

Hampshire Rare Plant Register

**Rare, Scarce and Threatened
Vascular Plants of Hampshire**

Martin Rand and Tony Mundell

2011

COMPOSITION

Narrative text: © Martin Rand and Tony Mundell.

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PICTURE CREDITS

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Plate 1	1, Martin Rand; 2, Gareth Knass; 3, Tony Mundell
Plate 2	1, Joel Miller; 2, Martin Rand; 3-4, Tony Mundell
Plate 3	1, John Norton; 2-3, 5-6, Tony Mundell; 4, Martin Rand
Plate 4	1, 3, Tony Mundell; 2, Martin Rand
Plate 5	1-2, Tony Mundell; 3, Martin Rand
Plate 6	1, Tony Mundell; 2, 5, Martin Rand; 3, 6, John Norton; 4, Gareth Knass
Plate 7	1, Paul Drane; 2, Martin Rand; 3-4, Tony Mundell
Plate 8	1, 3, Tony Mundell; 2, Martin Rand; 4, John Norton
Plate 9	1, 4, Tony Mundell; 2, Martin Rand; 3, John Norton
Plate 10	1-2, 5-6, Tony Mundell; 3-4, Martin Rand
Plate 11	1, John Norton; 2, Martin Rand; 3, Debbie Allan
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Plate 15	1-4, Tony Mundell
Plate 16	1-2, 5, Tony Mundell; 3-4, 6, Martin Rand

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Introduction

This book is part of a long-term, nationwide project sponsored and promoted by the Botanical Society of the British Isles (BSBI) in association with various local and national partners. The BSBI is the leading scientific society in Britain & Ireland for the study of plant distribution and taxonomy. It brings together professional and amateur botanists, and has links to many conservation bodies.

The eventual aim of the project is to provide a detailed inventory of the sites of Britain's rare, scarce and threatened plants, county by county, for the whole of the British Isles. This will enable researchers, land managers and conservationists to know precisely where they grow. This is something that has all too often not been apparent or generally known, resulting in plant populations suffering loss or damage that might have been avoided.

Rare Plant Registers now exist for many areas. Amongst Hampshire's neighbours, registers for Dorset (Edwards & Pearman (2004)), Wiltshire (Pilkington (2007)), Berkshire (Crawley (2005)) and Sussex (Briggs & SBRC (2001)) have already been published; and that for Surrey is in preparation.

Hampshire is notable in the diversity and extent of semi-natural lowland habitats represented in the county, and in the New Forest there remains a unique survival of once widespread land management practices now lost elsewhere. Therefore the county is outstanding for the range of nationally rare and threatened plants and for the size of many populations. Also, sponsoring partners (Hampshire Biodiversity Information Centre and the Hampshire and Isle of Wight Wildlife Trust) require information not only on the nationally and locally rare species covered by the BSBI criteria, but also on plants infrequent and declining in the county. This document therefore has the potential to be huge, and a great deal of work remains to collate all the information available, even without further field survey.

However, work has now reached the stage where we can document the rarer species in full to the extent of our current knowledge, and provide summary information for many of the others. This book is being published in order to provide a timely resource to those interested in Hampshire's flora, and to stimulate and encourage work for future editions. Later sections describe how we plan to expand this document in the future with additions and updates published on the Internet.

The main aim of this book is to prevent the further loss of plant diversity in Hampshire, by making those responsible for it aware of what they have, and just where they have it. Of course there will be many botanists and plant-lovers who use this book to seek out plants for study or simply for enjoyment. We remind you all of the moral and legal obligations not to diminish what you study, and would expect any conscientious botanist to follow the BSBI's code of conduct, available on request or from their web site at www.bsbi.org.uk/Code_of_Conduct.pdf.

Also, many of the sites given are on private land, and their listing here implies no right of public access. Fortunately many of the best parts of Hampshire's countryside (including much of the New Forest) have statutory or permissive access. In all other cases it is incumbent on you to seek permission before going onto private land away from rights of way. Losing the sympathy of landowners and land managers can ultimately be as damaging to a rare plant as collecting it indiscriminately. It is the authors' experience that by talking to 'the locals' you will usually get a receptive hearing, and often learn quite a lot.

If you would like to contribute to the recording of Hampshire's notable plants, please visit the Web site <http://hantsplants.org.uk> where you will find advice on how to submit records and a great deal of useful material on botany in Hampshire.

Sources and Acknowledgements

A work such as this is indebted to a large number of botanists over a long period of time, as can be seen by the list of recorders and determiners in Appendix E. Our thanks go to all of them. If we pick out a few of these for comment here, we hope it will in no way detract from the contribution of the many others who go unmentioned.

It would not have been possible to produce the Register at all without the baseline provided by the work for Brewis, Bowman and Rose (1996), referred to hereafter as the 1996 *Flora*.

Behind the summarisations of the printed material lie volumes of handwritten information. For South Hampshire, for instance, records for all the less common species are laid out in meticulous detail on foolscap sheets prepared by Paul Bowman, completely filling nine large lever-arch files. Fortunately all this material has been preserved.

Pete Selby, our predecessor as recorder in South Hampshire, undertook much of the organisational work for the recording for Preston, Pearman and Dines (2002), referred to hereafter as *Atlas 2000*, including the computerisation of a staggering number of records. He also oversaw the preparation of detailed record sheets of populations of rare plants, contributed by many people. Our task would have been much more onerous without the foundations that he laid before his untimely death. Other outstanding contributions to the computerisation of records came from Mike Wildish in the north-west of the county, who organised the recording for *Atlas 2000* in North Hampshire, and John Norton and Debbie Allan for a wealth of records in and around Gosport.

For the information from Francis Rose's notebooks we are indebted not only to Francis but also to Sussex Wildlife Trust for their work in computerising his notebooks. Anyone who has seen Francis' handwriting will know that this was no light task. We have felt the need here to comment on the validity of a number of the records that have found their way onto public information sources such as the NBN Gateway. This should in no way be taken as a criticism of Sussex Wildlife Trust, but highlights the need for public organisations to get their information checked by knowledgeable local recorders before publishing it.

We have tried to cover critical taxa as fully as we can, although at this stage space is restricted and in many cases knowledge is limited. David Allen has provided us with a summary of the status of rare Brambles (*Rubus*) in the county, and it is largely due to him that this is one of the best known and best understood critical groups of the county. We hope to be able to do it justice in later Internet updates.

As well as the individual recorders, many groups and organisations have generously made their archive of records available to us. They include the Hampshire Biodiversity Information Centre, with survey data from the administrative county; Hampshire County Council Arts and Museums Service; Hampshire and Isle of Wight Wildlife Trust; Bournemouth Natural Science Society; Southampton Natural History Society; the New Forest Study Group; and Plantlife International.

The lion's share of the remaining data entry work fell to Debbie Allan. Not only did she undertake a huge amount of work with outstanding precision, but her botanical skills enabled her to provide a great deal of valuable critical input.

Several people have reviewed the content, and it is due to their efforts that this document is no worse than it is. Of course it is entirely the responsibility of the authors that it is no better, and additions, amendments, critical comments and suggestions for improvement will be welcomed. As mentioned elsewhere in the text, updates and corrections will be published progressively on a Web site. For their extensive and meticulous comments we would like to single out Ted Pratt, Eric Clement, and in the north-east of the county, Chris Hall. Opinions expressed in the introductory sections of this work are those of the authors, and not necessarily of any sponsoring or supporting organisation or individual.

Finally we would like to thank our funders. For the data entry work, funding came from English Nature (now Natural England), the Environment Agency, Hampshire and Isle of Wight Wildlife Trust, Hampshire Biodiversity Information Centre and a number of its partners (Basingstoke & Deane Borough Council; East Hampshire District Council; New Forest District Council; Southampton City Council; Southern Water). For contributions to the setup costs of publication, we thank the Botanical Society of the British Isles, Hampshire Biodiversity Information Centre, Hampshire and Isle of Wight Wildlife Trust and the South Downs National Park Authority.

Geographic Coverage

The area covered by this Register comprises the Watsonian vice-counties of South and North Hampshire (vice-counties 11 and 12 respectively), together with additional areas that lie within the modern administrative county of Hampshire.

The vice-county system was established by the botanist Hewett Cottrell Watson in the 1850s, as a basis for recording the distribution of plants and other organisms in Britain. It sought to reduce inequalities in area arising from the use of county boundaries, while retaining these familiar political boundaries where possible. Over much of the country this resulted in larger counties being divided into two or more units, as in Hampshire. For full details of the vice-county system, see Dandy (1969).

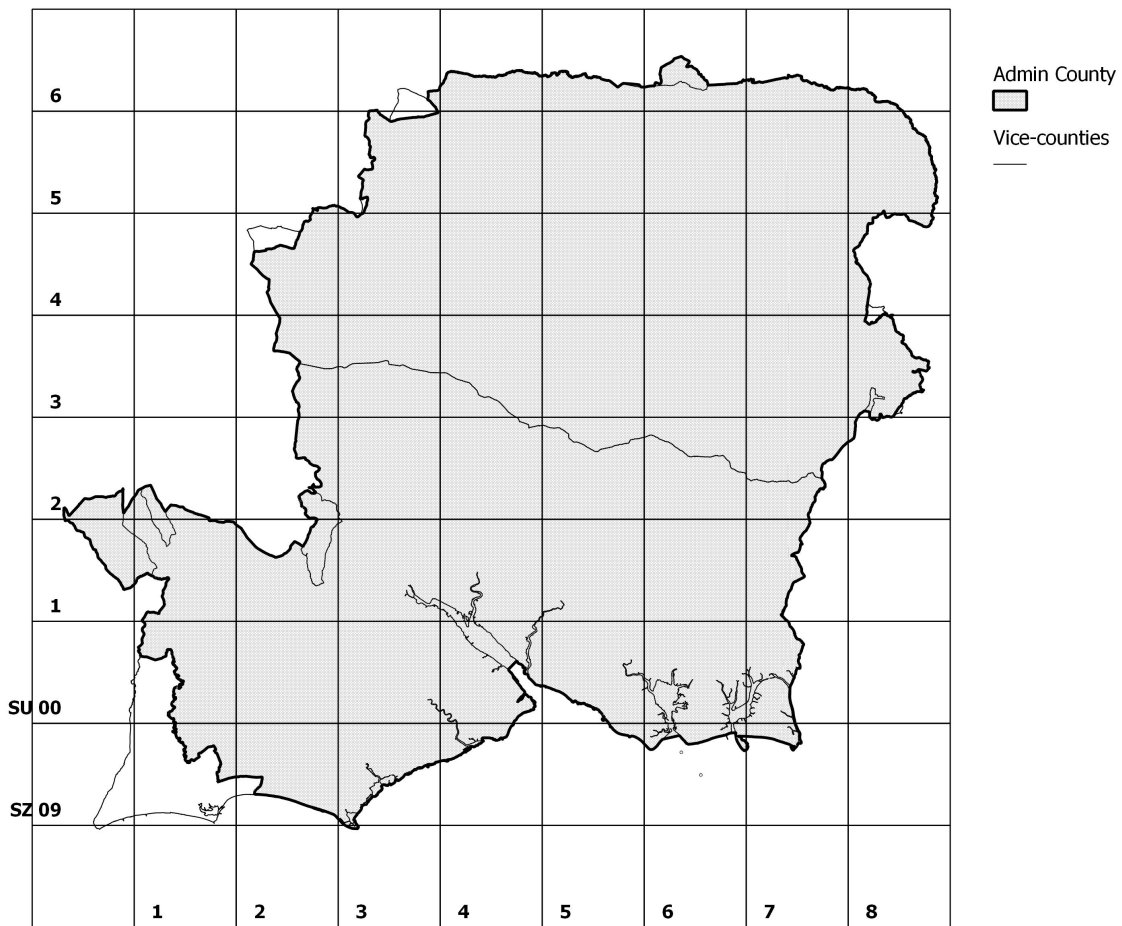
As the vice-counties then became fixed, and were not affected by later political boundary changes, they had the further advantage of providing a stable reference point for record archives and county natural history accounts, even though the detailed distribution of organisms is now usually mapped at a much finer scale based on the Ordnance Survey National Grid. But bodies interested in ecology, conservation and planning, inasmuch as they are funded at a local level, usually work to modern administrative boundaries. Hence this account deals with the total area encompassed by both boundary sets. This results in a number of additions with respect to one or other system. The most important are:

1. Bournemouth and Christchurch, which are outside modern Hampshire but within vice-county 11, are included. They were excluded from the Dorset Plant Register, precisely on the basis that they would be treated here.
2. An area around Martin and Damerham that is in modern administrative Hampshire but in vice-county 8 (South Wiltshire) is included. It is also covered in the Wiltshire Rare Plant Register.
3. An area around Bramshaw and Plaitford on the New Forest fringes that is in modern administrative Hampshire but in vice-county 8 (South Wiltshire), is included. It is also covered in the Wiltshire Rare Plant Register.
4. An area around Tidworth that is in modern administrative Wiltshire but within vice-county 12.
5. An area around Combe that is in modern administrative Berkshire but within vice-county 12.
6. An area around Mortimer that is in modern administrative Hampshire but in vice-county 22 (Berkshire).
7. An area at Dockenfield that is in modern administrative Surrey but within vice-county 12.
8. An area around Bramshott that is in modern administrative Hampshire but in vice-county 13 (West Sussex).

For full details of boundary adjustments on the Hampshire borders, see the 1996 *Flora*. We exclude one area at Ensbury near Bournemouth that the *Flora* authors include (area C, see p. 81 of that work). This has never been in vice-county 11 and is not in modern administrative Hampshire, although it formed part of the administrative county from 1931 to 1974.

Although the geographical treatments of the border areas may seem inconsistent, they follow a tradition laid down by modern published accounts of the flora in each of the counties.

The terms 'South Hampshire' or 'S Hants' in the text are used to denote vice-county 11 and those parts of the administrative county that are outside vice-county 11 but contingent with it. 'North Hampshire' and 'N Hants' are applied similarly to vice-county 12.



The vice-county boundaries shown on this map are, to our knowledge, the most accurate available, and should be taken as authoritative in the case of discrepancies with distribution maps later in the text.

Scope and Coverage of Species Accounts

Plant Groups

The Register currently covers vascular plants: that is, flowering plants, conifers, ferns, fern relatives and lycophytes (clubmosses). The national distribution of these plants was most recently charted in *Atlas 2000*. The BSBI also takes an interest in the large algae known as charophytes, and these will be covered in a future Internet update, but at present there is insufficient data marshalled to present a true picture.

Other algae, bryophytes (mosses, liverworts and hornworts) and lichens are not covered. A recent account of the bryophytes of South Hampshire can be found in Stern (2010).

Native Status

The plant taxa featured most heavily in the Register are *natives* (that is, plants that arrived in Britain independent of human agency, largely in prehistoric times) and *archaeophytes* (plants whose arrival was almost certainly dependent on man, but which became naturalised before 1500AD). A small group of *neophytes* (arriving with the aid of man since 1500AD) that have become naturalised and have persisted for a long period, so that they have in effect become valued 'heritage' plants, are also included. Plants that are casual (disappearing after a few years or relying on constant reintroduction to persist) are not included except to draw a distinction between local populations of this kind and native populations elsewhere in Britain.

Plants that are native or archaeophyte elsewhere in the British Isles, but occur in Hampshire only as non-natives, are featured in the Register. We consider it important that their status and occurrence is documented, to avoid future confusion about their natural range and habitat preferences.

Hybrids

Some hybrids are included, where these are persistent and of interest to conservation, and appear to qualify in their own right under the criteria for inclusion. However hybrids in general are under-recorded, so their rarity may be over-stated. We hope that their inclusion here will prompt further investigation.

Critical Taxa

Critical taxa (those that present particular problems of identification, usually because of their breeding behaviour) have been included, with the exception of *Rubus* (Brambles) which are simply listed; we hope to add details of these to a later Internet update. Since they are usually the domain of a small number of experts, most of whom are not resident in the area, under-recording and long gaps in recording episodes are the norm for critical groups of plants. Thus their rarity is also likely to be over-stated, and there are likely to be gaps in the coverage of species.

Level of Site Detail

Those species that qualify as Locally Rare (1 to 3 recent sites in a vice-county) or Locally Scarce (4 to 10 recent sites in a vice-county) have had their occurrence fully catalogued. This means that all sites that can be localised to a 1km square or better are noted, with the dates of first and last record at the site; and for those 'recent' sites, with records from 1987 or later, the most recent record (up to and including 2010) from each 6-figure (100m) grid reference is listed. For some species, especially the more critical or less conspicuous, we have included multiple records from the same 100-metre square where a reasonably reliable GPS reading at higher precision is available. Later revisions of the Register on the Web will include conservation designations of sites. Records after 2010 will also be posted as updates on the Web.

Other nationally rare, threatened or notable plants have been provided with distribution maps, usually accompanied by brief notes on their occurrence.

Other species on the Register currently have summary coverage or are listed in an Appendix pending treatment in future Internet updates.

Species believed to be extinct in Hampshire are relegated to an Appendix with summary coverage.

Species of dubious occurrence in Hampshire are relegated to an Appendix with summary coverage.

Through future updates, it is the authors' intention gradually to raise all taxa to the level of coverage currently given to the rarest. We see this as particularly valuable for the nationally significant taxa that have wide distribution or large populations in Hampshire, since these present some of the best opportunities for conservation in a national context. Since this will hugely increase the bulk of the document, this additional information is likely to be available only in electronic form.

Issues with Grid References

There is an issue with showing records to 100-metre accuracy that date from before the general use of GPS and satellite imaging systems; many were manually measured or even estimated from a map, and in open country good landmarks that can be used as points of reference may be lacking. Even some made with the benefit of GPS are questionable. On many occasions in these accounts we have had strong reason to think that records at different 6-figure references refer to the same small population. However unless we have been able to verify these directly with the author, we have let them stand, considering it more important to present the full record with its innate inaccuracies rather than run the risk of falsifying it by arbitrary omissions based on personal judgement after the event. This is clearly open to the criticism that it may give a falsely optimistic impression of the past or present extent of a particular population. However there are cases where the apparently incorrect location has led people to re-find plants in positions where they have not been seen for some while, because the spot was not exactly the 'common knowledge' site that everyone visited.

In addition, records from Hampshire Biodiversity Information Centre (HBIC) and the Hampshire and Isle of Wight Wildlife Trust are often given grid references that represent the centroid of the site or site compartment, rather than the actual location of the population. Where this is blatantly the case, and better localised information for a site is available, we have not used these records. In some cases these records represent the best localised information available, or are very plausible in their own right; they are then included, often with a comment about the grid reference.

Historical Coverage

This issue of the document concentrates on records made from 1987 to 2010. The date of 1987 is significant in several ways.

- It encompasses the recent major episodes of systematic recording in the county: namely, the final concerted efforts for the 1996 *Flora*; the recording for the BSBI *Atlas 2000* project; and the recording for both phases of the BSBI *Local Change* project.
- It matches the more recent age classes used for mapping the British flora at a national scale in the *Atlas 2000* project, and the online BSBI *Maps Scheme* which has accumulated records since 2000, allowing comparisons to be made between local and national status.
- It is recent enough in most cases to give an accurate impression of the situation on the ground. Where this is not the case, through recent changes in status (usually a decline), this is noted in the species account.

To enhance the research value of the Register, we intend to include more historical records and information in future Internet updates.

Maps distinguish records that are:

- **Historical** – before 1957
- **Modern** – 1957-1986
- **Recent** – 1987 onwards

Criteria for Inclusion

For this first issue of the Register, taxa are included on the basis of **National Criteria** and **Local Rare Plant Register Criteria**. Future updates on the Internet will deal with **Other Local Criteria**. Some taxa with the designation **Alien of Interest** have also been deferred.

National Criteria

The national criteria for inclusion in the Register are based on three broad categories. Any taxon satisfying national criteria is given at least a summary account, regardless of its rarity in Hampshire.

- **Threat Status.** This is derived using criteria developed by the International Union for the Conservation of Nature (IUCN), as applied in the Vascular Plant *Red Data List*, Cheffings & Farrell (2005) and updated on the JNCC web site (at <http://jncc.defra.gov.uk/page-3354>) up to November 2009. A complete account of the criteria, and how they have been applied to Britain, can be found there. Here we merely list the threat categories in decreasing order of severity.
 - **Extinct**
 - **Extinct in the wild** (i.e. all recent records are reintroductions)
 - **Critically endangered**
 - **Endangered**
 - **Vulnerable**
 - **Near threatened**

There are several additional categories where a national assessment has not been made. These are rolled together as **Unlisted** in the Species Accounts, as are subspecies and hybrids that are omitted from the list.

- **Data Deficient**
- **Waiting List** (uncertainties over status or distribution)
- **Parking List** (now excluded because of taxonomic or neophyte status)

Species listed as 'Least Concern' have no threat designation.

- **Rarity Status**
 - **Rare** – shown in 15 or fewer 10km squares (hectads) in Great Britain from 1987 onwards in *Atlas 2000* or, in the case of some critical species not mapped there, in Perring and Sell (1968).
 - **Scarce** – shown in 16-100 hectads in Great Britain from 1987 onwards in *Atlas 2000* or, in the case of some critical species not mapped there, in Perring and Sell (1968).
- **Legislative Status and Special UK Responsibility**
 - **Endemic** – taxa confined to the British Isles in the wild
 - **Internationally listed**
 - **Legally protected**

Further detail on the categories of internationally listed and legally protected species is given in Appendix G.

Local Rare Plant Register Criteria

- **Rare** – recorded in not more than 3 sites in a vice-county from 1987 onwards
- **Scarce** – recorded in 4-10 sites in a vice-county from 1987 onwards
- **Alien of Interest** – a **Rare** introduced plant of long persistence, with special scientific or cultural associations within the area

Other Local Criteria (for future updates)

Taxa that have not been given detailed treatment in the current issue of the Register (because they qualify **only** under these criteria) are listed at Appendix C.

- **Infrequent** – occurring in not more than 22 2km squares (tetrads) in a vice-county. At a county level this translates to not more than 42 tetrads for the two vice-counties 11 and 12 combined, or for the administrative county.
- **Declining** – appearing in 50% or fewer tetrads in the vice-county or county in the latter of two 10-year recording periods, when compared with the former.
- **Hants responsibility** – taxa for which the county holds more than 10% of the UK population.
- **HBAP species** – listed in the Hampshire Biodiversity Action Plan.

Additions to the Register, and amendments and updates to its current contents, will be published on the Internet at <http://hantsplants.org.uk> under the heading 'Hampshire Rare Plant Register'. We shall try to achieve at least an annual update. Readers will already find there several electronic resources including the complete schedule of Hampshire Notables, and checklists of taxa for taking into the field.

An Overview of Hampshire Rare Plants: Habitats, Status and Distribution

Hampshire has a very wide range of the lowland habitats found in Britain. This, together with its position on the warm south coast, on a climatic transition between the wetter south-west and the drier south-east, and the remarkable survival of the New Forest, accounts for the number of nationally rare plants that occur here. Sadly, as in many other parts of the lowlands, destructive or intensive land use has led to the decline of many species that were once widespread. Although the situation may not be as bad here as in some counties, many species appear on the register simply because they have been reduced to a very small number of sites.

The 1996 *Flora* has an excellent account of Hampshire's habitats, and lists many of the best and most characteristic sites. We do not intend to repeat this here. It would be a valuable exercise to categorise Hampshire's rarities by National Vegetation Classification (NVC), but that would be the subject of another book. Those interested in the National Vegetation Classification should refer to Rodwell (1991-2000). Here we offer some broad and sometimes arbitrary groupings, mainly chosen on the basis that they are often likely to occur as single management units on rare plant sites. We summarise these below in tables in an attempt to quantify the numbers of rare and scarce plants from each broad habitat.

Broad Habitats

Woodland

Hampshire has a wide range of the woodland types to be found in lowland Britain, on soils from highly calcareous rendzinas to heavy gleys and acid podsols. We have not attempted to separate these out for the current summary. Most of the woodland communities described in the NVC are represented here, but some rarities of wet woodland (W1 and W2 Willow carr, W5 Alder carr) appear under 'Heath and Mire' or 'Fresh Water and Marsh'.

Grassland and Scrub

Plants of scrub divide between woodland marginal species and those of grassland margins, but in looking at the rarer species the authors have taken the view that more occur in grassland/scrub vegetation than in woodland/scrub, and so are better placed here. Amongst the NVC communities rarities of W21 Hawthorn scrub, W23 and W24 Bramble scrub tend to gravitate here. Those of W22 Blackthorn scrub (such as they are) go to Woodland; and of W25 Bracken / Bramble scrub to Woodland, to here, or to Heath and Mire.

Heath and Mire

'Heath' includes dry and humid heath. 'Mire' includes wetlands on a peaty substrate. Because Hampshire mires are essentially groundwater-fed (soligenous) and because much of the underlying geology is not strongly acid, it is often difficult to draw hard and fast distinctions between 'fen' and 'bog', and many sites are complex mosaics of different environmental conditions and plant communities. They are therefore lumped together here. All of the NVC heathland communities occurring in the area come under here. With the mire communities the situation is a little less clear-cut, since the NVC includes some wetlands on mineral or very shallowly peaty soils. In general the position is unambiguous up to community M21 Sphagnum valley mire, and for communities M22 Fen-meadow onwards, attribution of rarities here or to Fresh Water and Marsh are rather more arbitrary. Some plants of swamps and tall-herb fens (NVC 'S' communities) will appear under this heading, but most are listed under Fresh Water and Marsh.

Fresh Water and Marsh

We have included all fresh watercourses and water bodies here, together with marsh communities on mineral soils and damp riverbank communities, but excluding saline marsh. This covers most of the occurring NVC communities under the Aquatic ('A') and Swamp/Tall-herb Fen ('S') communities. It also embraces a few plants of wet woodland.

Coastal Habitats

This category includes all habitats under the influence of the sea or of saline groundwater near the coast; this includes some coastal grazing land, as well as soft cliffs, shingle, dunes, saltmarsh and brackish tall

fen, and marine habitats. It embraces NVC Marine and Saltmarsh ('SM') and Shingle, Strandline and Sand-dune ('SD') communities. While Hampshire has no hard cliffs, certain soft-cliff communities approach those (particularly MC5 Thrift cliff turf, MC8 Red Fescue/Thrift cliff grassland) described for hard cliffs, particularly where there is a shingly overburden. Community MC1, the Rock Samphire rock-crevice community, presents a particularly interesting case, since it occurs in Hampshire only in artificial habitats on sea defences and buildings abutting directly on the shore. There are no species of this community in the current issue, but those given later treatment will be included here rather than under Man-made Habitats.

Arable and Open Ground and Man-made Habitats

As well as arable fields this includes waste and disturbed ground with a low overall plant cover, barish ground in quarries, and the built environment. All the NVC communities of Open Habitats ('OV') are covered here, though some species of inundation habitats and ephemeral ponds will appear in Fresh Water and Marsh.

Summary

These totals include only those taxa treated in the main body of the Register, not those listed in Appendices. There are several taxa that are attributed to more than one broad habitat and so contribute to these figures more than once.

IUCN Threat Status

National Status	Number of taxa in Rare Plant Register					
	Woodland	Grassland & Scrub	Heath & Mire	Fresh Water & Marsh	Coastal	Arable, Open & Man-made
Extinct	0	0	0	0	0	0
Extinct in wild	0	0	0	0	0	1
Critically endangered	1	2	1	0	0	3
Endangered	2	11	3	2	2	16
Vulnerable	6	19	10	11	8	25
TOTAL THREATENED	9	32	14	13	10	45
Near Threatened	6	16	13	5	5	13
Unlisted	14	31	14	14	17	25
TOTAL OTHER	20	47	27	19	22	38

National Rarity

National Rarity	Number of taxa in Rare Plant Register					
	Woodland	Grassland & Scrub	Heath & Mire	Fresh Water & Marsh	Coastal	Arable, Open & Man-made
Endemic	1	3	1	2	0	3
Nationally Rare	7	15	16	11	11	19
Nationally Scarce	22	43	20	22	51	61
TOTAL RARE / SCARCE / ENDEMIC	30	61	37	35	62	83

Local Rarity

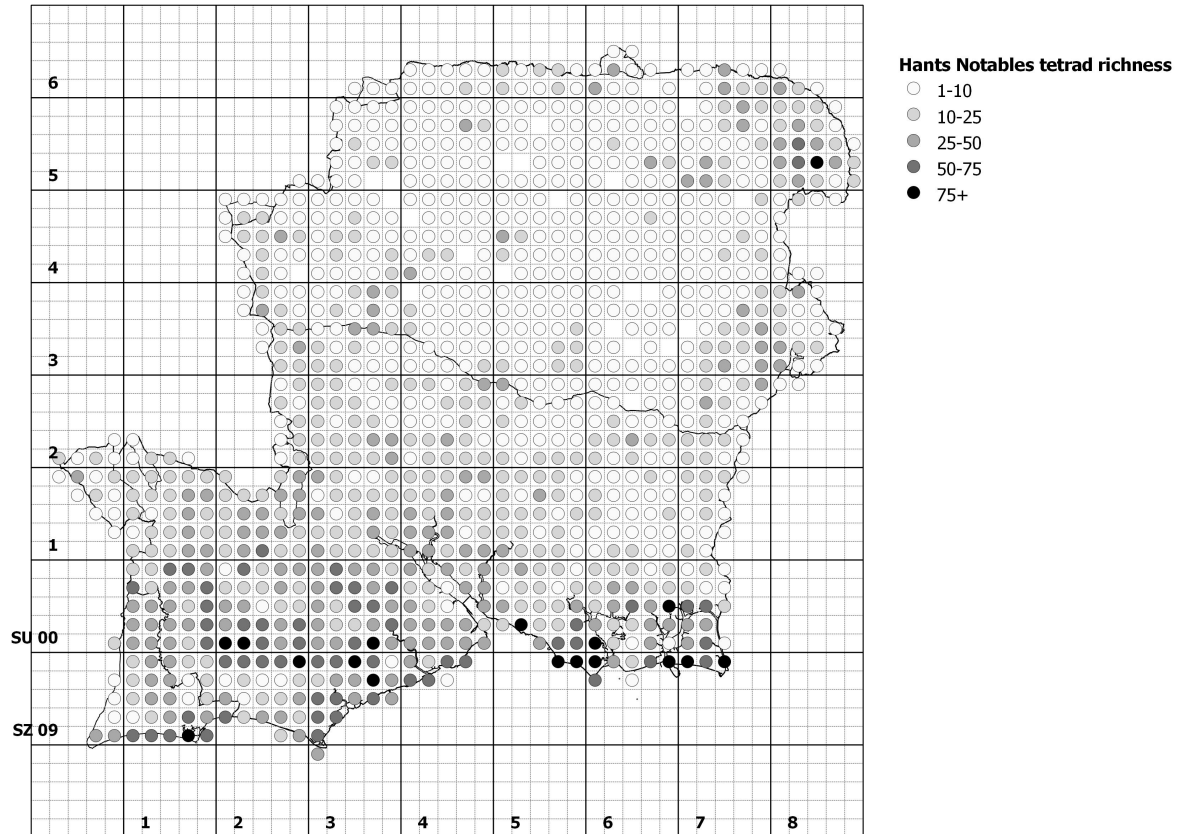
Local Status	Number of taxa in Rare Plant Register					
	Woodland	Grassland & Scrub	Heath & Mire	Fresh Water & Marsh	Coastal	Arable, Open & Man-made
S Hants Extinct/Rare	7	16	5	5	0	13
S Hants Rare	18	26	20	27	24	42
S Hants Scarce	13	18	13	18	23	28
S Hants Infrequent	7	19	8	9	18	21
S Hants Not Ranked	5	22	26	8	14	20
S Hants TOTAL	50	101	72	67	79	124
N Hants Extinct/Rare	4	15	4	4	4	19
N Hants Rare	22	43	27	20	14	46
N Hants Scarce	11	22	19	20	3	26
N Hants Infrequent	5	6	5	7	0	15
N Hants Not Ranked	5	6	4	0	0	7
N Hants TOTAL	47	92	59	51	21	113

International / National Designations

Statutory Designations	Number of taxa in Rare Plant Register					
	Woodland	Grassland & Scrub	Heath & Mire	Fresh Water & Marsh	Coastal	Arable, Open & Man-made
WCA Schedule 8	1	6	4	4	3	12
UK BAP Priority	6	27	10	7	7	21
EC CITES	1	3	1	0	1	3
EU Habitats & Species Directive	0	1	1	1	0	0
NERC S41	6	25	12	6	7	19
Bern Convention	0	1	1	1	1	0

Species Richness

The following map shows the comparative richness of tetrads (2km x 2km squares) for all Hampshire Notables, including those listed in the Appendices. Clearly the New Forest, coastal regions and north-east heathlands are outstanding, with the Hampshire Hangers and localised areas on the Chalk having lesser concentrations.



The Future for Hampshire's Rare Plants

Threats

Plants may be born rare, or they may have rareness thrust upon them. Among the natural reasons for rarity are a reproductive behaviour that limits the spread of a plant from the region where it evolved or fortuitously colonised, and a strict ecological requirement that limits the places where it can grow or thrive in competition with other species. A plant of maritime sand dunes will always be rare in Hampshire, at least on a historical timescale.

Some naturally rare plants show remarkable tenacity. A small population may cling to some restricted patch of beach or grassland, its numbers hardly changing as it is observed by botanists over the centuries. Yet rarity always carries its own risk; a natural or man-made catastrophe can easily extinguish a whole population, with no hope of renewal from nearby.

A further group of plants comprises those that are rare in the county because they are on the edge of their geographical range. They can be particularly vulnerable to change, because they are likely to be at the limits of their tolerance for some environmental factor such as climate, and as a result more critical in their other requirements. The Purple Milk-vetch *Astragalus danicus* appears doomed in Hampshire, despite having a strong population in neighbouring Wiltshire and many others farther north in Britain. On a less dramatic scale, the Dwarf Sedge *Carex humilis* has a strong core population on or near Martin Down National Nature Reserve, but on many of its other, fragmented sites it has gone or been much diminished. On the Continent it appears able to hold its own in a broader spectrum of calcareous grassland vegetation than here.

But here we are more concerned about the environmental and man-made factors that have caused formerly more common plants to decline. We must also consider the plants that man enabled through his activities to become common for a short while, and which he is now helping back to rarity through change or cessation of those activities. Many of these are **archaeophytes**, plants that arrived on the back of prehistoric agriculture and are now victims of seed cleaning, herbicides and more intensive cultivation. They include many of our most endangered species, such as Pheasant's-eye *Adonis annua* and Ground-pine *Ajuga chamaepitys*.

Loss of Ground

A significant part of Hampshire is urban and populous, and industrial and residential development continues with little remission. Nowhere is this truer than in the coastal areas, where the development of housing, industry, marinas and hard sea defences meets the inexorable force of sea level rise. On an undefended natural coastline, opportunities exist for plants to migrate up estuaries and shorelines as sea levels rise. Such opportunities are extremely limited over much of the county's coast. Consequently, plants of low-lying coastal habitats are particularly at risk. Some of the rarer species of Glasswort *Salicornia* of the upper saltmarsh have relatively few refuges where they can survive free of tidal inundations and scouring. The grasses Bulbous Foxtail *Alopecurus bulbosus* and Annual Beard-grass *Polypogon monspeliensis* have had coastal sites destroyed, and are also vulnerable to the loss of coastal grazing marsh.

Habitat Alteration and Degradation

There is no doubt that this is the most significant threat to Hampshire's wild plants, and it affects the abundance of many familiar and once widespread plants as well as the rarities. Unfortunately, while it is generally recognised by naturalists and has been the subject of campaigns such as Plantlife's *England's Green Unpleasant Land*, it does not enjoy the same level of understanding among the wider public. There are several reasons for this. Firstly, many of the people who travel out into the countryside go for the general enjoyment and relaxation it brings, and do not have an eye turned on the detail. To them, a vivid green landscape, monotonous though it may look to the trained observer, may have as much value, or even suggest greater ecological health, than one that looks rough and scruffy and is brown a lot of the year. Contributing to this perception is the way that nearly all of us now travel about the country, watching a blurred view speed by as we make for some rural hotspot.

Also, it is hard to regret what one has never known. If we have grown up with the experience that certain species are confined to two or three isolated fields, then this becomes our norm: even if we read that

those same species were once in half the parishes of Hampshire, the emotional resonance is not what we would get from having known that ourselves. For us, these organisms will always seem like museum pieces with no place in the wider world. Unfortunately, because so much has been lost since the middle of the 20th century, it is a small and diminishing band of people who have that first-hand experience. Then the constituency of those defending the interests of rare and declining plants risks being reduced to a band of specialists, professionals and curiosity-seekers.

Next, many people have an innate conservatism in their view of the countryside; but this is often not informed by the historical sense mentioned above. As a result, this view comes down to an opinion that what is on the ground now is the right, and in some sense the most natural, aspect of the land. In some cases, of course, this may be correct: but it is an arbitrary standpoint at best. Nowhere does this manifest itself more than when it comes to the removal of trees, whatever the reason for the trees being there. It is still not hard to find letters to the local press characterising heathland restoration projects in the New Forest and the Thames Basin heaths as a terrible desecration of our 'natural' heritage, those woodlands having been planted on the original heathland perhaps some 40 years ago using intensively farmed introduced tree species with limited associated wildlife.

Finally, as a nation we may love the variety and beauty of plants, and those of us fortunate enough to have gardens express it abundantly. However not everyone makes the discrimination between variety and biodiversity, and the habits of the garden sometimes make their way over the fence. We have tried not to overplay the role of invasive non-native plants in the decline of Hampshire's natural heritage, since it is not one of the most important factors and it is often more a symptom of other phenomena than a cause. Still, it is not good practice deliberately to introduce garden plants into the wild, either to dispose of them or to beautify the countryside. This is especially true for aquatic habitats, where the urge to put out garden plants appears strongest; sadly the risks of serious damage and disruption to existing plant communities are also the greatest. Nationally and locally the evidence grows that many non-native plants, which may spread rapidly under their own steam at an individual site, are largely reliant on repeated human action to get them into new locations.

Decline of flora in the Basingstoke Canal: a case study

The varying fortunes of aquatic plants in the Basingstoke Canal give a good illustration of how plants respond to management changes.

When opened in 1794 the Basingstoke Canal stretched from a wharf in Basingstoke to the Wey Navigation at Byfleet in Surrey. About half of the canal is within Hampshire where it comprises a single long pound with just one lock, Ash Lock, near to the Surrey border. In contrast the Surrey length has 28 locks. The canal was never a commercial success. By the mid 20th century some parts in Surrey had become derelict, the end going into Basingstoke had been built over and parts of the channel between Basingstoke and Greywell had been reclaimed as farmland. In the early 1960s there were calls for the canal's restoration, spearheaded by the Surrey and Hampshire Canal Society (hereafter referred to as the Canal Society) that had been formed in 1966. The aquatic flora of the canal had been attracting botanists since the late 1800s. By the mid 1960s there was an increasing realisation that the canal held a remarkable assemblage of aquatic plants that rivalled any other waterway in southern Britain.

The former diversity of uncommon species was partly a result of the gradient in acidity of the water. The canal's main water source is a number of springs that well up within the Greywell Tunnel from a chalk aquifer. As this alkaline water slowly flows eastwards it traverses acidic heathland in the Aldershot area. Here several small streams enter, complementing the water supply. Measurements of pH taken in May 1978 (Mundell 1981) just prior to the dredging of the Fleet to Aldershot section, gave 7.3 near Norris Bridge dropping to 6.3 just east of Rushmoor Flash, mainly as a result of very acidic water of pH=4.6 entering the canal at Claycart. This section between Fleet and Aldershot was recognised as being especially rich, both botanically and for its dragonflies.

By 1975 Hampshire County Council and Surrey County Council had both purchased their respective lengths of the canal, and the decision was made to restore most of it for recreational uses including cruisers. The Greywell Tunnel, blocked by several roof collapses in 1932, has not been restored for navigation, mainly because of the huge number of bats that it supports. A length of some 500m immediately east of the tunnel has also been spared from full dredging, partly to provide hunting habitat

for the bats. However a central channel was dredged here in an attempt to enhance the flow of water from the springs.

A water-borne steam-powered dredger was used by the Canal Society to dredge the Odiham to Fleet section from 1976-1990 but it was agreed that the richest botanical area between Pondtail and Aldershot would be drained and then dry-dredged in 1978/79. This allowed naturalists to rescue plants just prior to the dredging and transplant them into the three main Flashes, namely Eelmoor Flash, Claycart Flash and Rushmoor Flash. In the 19th century the Flashes had been very extensive ponds acting as reservoirs to buffer the canal's water supply problems. However although Eelmoor Flash still held water in 1975, the other two had essentially reverted to secondary woodland. Independently from the Canal Society, the Hampshire and Isle of Wight Wildlife Trust raised funds for excavating a small part of the former flashes at Claycart and Rushmoor, leaving a narrow connection into the main canal channel, but shallow enough to exclude boats. The plan was to transplant at least some of the rarer plants into these three flashes, and the hope was that if the main canal water became turbid due to the propellers of recreational boats then the flashes might retain clear water. During the period that the Fleet to Aldershot section was drained a very short length at Eelmoor Flash was dammed-off to retain water in order to conserve the dragonfly larvae and act as a source to re-establish many forms of aquatic life.

Prior to the start of the dredging the canal's water was clear, except in the Aldershot area where it would temporarily turn a cloudy yellow following heavy rain due to sandy silt carried by several feeder streams. Sadly the canal water is no longer clear and, apart from a section immediately east of the Greywell Tunnel fed with crystal-clear water by the springs, most of the canal water is now permanently opaque. Consequently most, possibly all, of the rarer plants are now lost, in spite of the canal being an SSSI. Of course clear water is absolutely essential for an abundance of submerged aquatic plants and only the most resilient species are tolerant of poor light penetration. Marginal emergent plants like Flowering Rush *Butomus umbellatus* and Tubular Water-dropwort *Oenanthe fistulosa* require shallow water habitat, much of which was lost during dredging to provide the depth required by cruisers. Marginal plants that survived dredging or which recolonised were left exposed to the damaging erosion of boat wash and trampling by anglers.

The cause of the cloudy water is not clear. It could be related to the inability of extremely fine particles stirred up by propellers to settle out before the next boat passes. However, relatively few powered craft use the canal. Hire craft are available from Odiham and the Canal Society operate a trip boat that runs much of the year on the Hampshire section, but because of water shortages it is usual for a lock gate in Surrey to be kept permanently closed in summer. Another possible cause of the opaque water is bottom-feeding fish like Carp and Bream that stir up the mud. Certainly large numbers of these have been introduced by anglers in the past but the Basingstoke Canal Authority that now manages the canal does not permit re-stocking with these two species. Another possibility is eutrophication of the water by run-off of fertilisers from adjacent fields or surface water within more built-up areas. Other factors such as increased shading and leaf-fall from canal-side trees and changes in water chemistry may be relevant. It is likely that many factors have contributed to varying degrees on different parts of the canal. Certainly the cloudiness varies with location and time of year. Whatever the cause, the results have been a slow lingering death for most of the canal's rarities.

Following the 1978/79 dredging process in the richest Fleet to Aldershot area the channel was refilled and there was over a decade of minimal disturbance while restoration work was completed on other parts of the canal. The canal was officially opened for navigation with a ceremony in May 1991. Prior to that, following the repair of Ash Lock in 1981, locking of water started and the extra flow must have raised the pH of the water in the Aldershot section.

The dredging process itself claimed huge numbers of submerged plants, but also those requiring the shallow water or marginal habitats that were removed. Some, like Red Pondweed *Potamogeton alpinus*, thrived for a period following the dredging when the water was still clear, building up huge populations from the exposed seed bank. Eventually though the water became progressively more opaque and these species declined.

Without reading the text carefully, it would be easy to misinterpret the full species accounts as they contain numerous relatively recent records of the canal's rarer plants. However the canal has been relatively well-studied botanically and in most cases the last record given for any species in the main canal channel (as opposed to the Flashes) is likely to be an approximation to its local extinction. A very

brief summary of those 'last reported' dates for some of the canal's special plants recorded in the main channel is given below. For fuller details of most of these, see the main species accounts.

Bladderwort *Utricularia australis*

Numbers peaked in the early 1990s sometimes forming large patches, but it then declined as the water became more opaque and disturbed. It survived in the main channel in a few places at least until 2000 and still survives at Eelmoor Flash and Rushmoor Flash. Occasional plants may still be present hanging on amongst the emergent bank-side vegetation possibly after floating out from the flashes.

Fan-leaved Water-crowfoot *Ranunculus circinatus*

This was never plentiful in the canal but there are a few records in the main channel from 1984 to 1990. It was recorded at Rushmoor Flash and Pondtail Flash in 1992 and was last noted at Claycart Flash in 1997. It could not be found in the main channel during a survey in 2009.

Flowering Rush *Butomus umbellatus*

Prior to the dredging this was plentiful in several places from Aldershot to Fleet but the last few survivors were noted close to the Surrey border in 2005. It may survive there and could be hanging on without flowering elsewhere, but it has certainly gone from most of the canal.

Frogbit *Hydrocharis morsus-ranae*

Prior to the dredging there are records for 18 of the 27 one-kilometre squares that the canal passes through from Greywell to the Surrey border. As detached plants of Frogbit readily float in the slow current it seems likely that at times it was scattered along all 27 squares. It then suffered a dramatic population crash. The last plants were noted in 1992 at Rushmoor Flash and the main channel at Pondtail.

Lesser Water-plantain *Baldellia ranunculoides*

This was last recorded beside the main canal channel in 1997. All former canal-side sites were searched unsuccessfully in 2011. It persists at Eelmoor Flash where it was first recorded following turf-stripping that created suitable habitat and exposed seeds.

Red Pondweed *Potamogeton alpinus*

In 1984-86 many submerged species were frequent to abundant. This species initially thrived following the dredging process. In the 1980s it formed colonies across much of the channel width but in the 1990s plants were usually in relatively shallower water near the bank, where light penetration reached the canal bed. It was recorded in 15 one-kilometre squares during a survey in 1997. It then crashed as the water became more opaque and the last couple of plants were noted in 2005. A survey in 2009 found no plants.

Tubular Water-dropwort *Oenanthe fistulosa*

Prior to the initial dredging there were scattered sites in the Fleet to Aldershot section but the dredging in 1978/79 removed most of its shallow margin habitat. It was last reported beside the main canal in 2000. A few were found in a small flash between Rushmoor Flash and Claycart Flash at Claycart Hill in 2003 and a few more in Eelmoor Flash in 2004.

Water Soldier *Stratiotes aloides*

Up until 1978 this was the dominant plant in several places between Fleet and Aldershot, completely choking the canal channel for long stretches. In 1990 many plants were noted escaping from the canal into the Gelvert Stream via an overflow weir but they failed to colonise Fleet Pond less than a mile down the stream. It survived in the canal at least until 1997 but no plants could be found during a 2002 canal survey, and it must now be locally extinct at least in the Hampshire section of the canal.

Water-violet *Hottonia palustris*

There are precisely located records for the canal from 1959 and immediately prior to the dredging it was really abundant especially in the Pondtail area where huge patches covered the full width of the then shallow silted-up canal. The removal of its shallow water habitat caused the population to crash and it now appears lost from the main channel. A few plants still persist where it was transplanted at Eelmoor Flash and Rushmoor Flash, and some plants were found in shallow water at Claycart Hill Flash in 2004.

Apart from those relative rarities of course populations of the formerly abundant common species like Broad-leaved Pondweed *Potamogeton natans* and Mare's-tail *Hippuris vulgaris* have also plummeted. Sadly one of the commonest aquatic plants in the canal now is the highly invasive alien Carolina Water-shield *Cabomba caroliniana* and three of the Flashes have been invaded with the equally unwelcome New

Zealand Pigmyweed *Crassula helmsii*. Furthermore another extremely undesirable alien plant, Floating Pennywort *Hydrocotyle ranunculoides* was noted in 2010 spanning the full width of the canal at Up Nately. This is west of the Greywell Tunnel so hopefully the tunnel blockage will prevent it from spreading to most of the canal.

The fate of this canal reflects that of virtually every other botanically rich canal system in Britain, and probably presages the fate of the last relatively unimpaired one (the Montgomery Canal) over the next few years.

The cessation of traditional management has had a huge effect on many habitats. Much of Hampshire's woodland has had management in the past for timber and (via coppicing) for small wood, or else as grazed 'wood-pasture'. Every form of management has created long and short cycles that periodically open up the tree canopy, providing opportunities for the smaller plants to flower and set seed or to recolonise. Wood-pasture is still a major feature of the New Forest but is a very rare feature now in the rest of the county. We are fortunate that coppicing has survived as a commercial enterprise as well as a conservation practice in a number of fine Hampshire woodlands, but these are still the minority. Elsewhere, even where the native or traditional tree composition of the wood has been retained, the traditional structure has been lost for the time being and the canopy has closed. Characteristic plants of the woodland, both common and rare, have declined or disappeared. Many woods are now retained purely as game cover and breeding sites. While it is possible to create a glading and ride management regime that remains favourable to woodland plants, and there are some good examples in the county, this is not taken on board by many estate managers and gamekeepers. The darkening of the woods has contributed to the decline of formerly more widespread species such as Bastard Balm *Melittis melissophyllum*, Green Hellebore *Helleborus viridis* and Fly Orchid *Ophrys insectifera*.

Traditional grazing regimes have also succumbed elsewhere. For instance, on the chalklands the fragmentation and reduction in area of the once extensive sheep walks make it uneconomic to ferry stock to the remaining small areas. Their short turf is replaced by taller grasses and eventually by scrub. Some remnants have been planted up with trees. Species such as Frog Orchid *Coeloglossum viride*, Bastard Toadflax *Thesium humifusum* and Large-flowered Eyebright *Euphrasia pseudokernerii* suffer as a result. Outside the New Forest, traditional grazing lands on heath and acid grassland have often suffered a similar fate, although concerted attempts are now being made to restore an extensive grazing regime in areas such as the Thames Basin heaths.

The chalk valleys of Hampshire once held an almost continuous mosaic of fens and pastures grazed in common interspersed with the water-meadows of private landowners. While isolated elements of this system survive, there are no working water-meadow systems other than a few conservation demonstrations, and much former species-rich grassland has either been agriculturally modified or gone to willow and alder carr. Among the losers are species such as Flat-Sedge *Blysmus compressus*, Marsh Hellebore *Epipactis palustris* and Marsh Fragrant-orchid *Gymnadenia densiflora*.

Habitat modification and management changes are often barely separable from the cessation of management, and are of equal or greater importance. In woodland, the conversion of large tracts of our ancient broad-leaved woodland to monocultural plantations of softwoods or Beech, either directly by the Forestry Commission or with their advocacy and support, has had a baleful effect on our woodland heritage across the county and is a factor contributing to the decline of woodland populations of species such as Greater Butterfly-orchid *Platanthera chlorantha* and Narrow-leaved Lungwort *Pulmonaria longifolia*.

All types of grassland have undergone huge changes in management regime; the ploughing and resowing of permanent pasture, the almost total abandonment of traditional hay-meadow management in favour of haylage and silage, the draining of wetland grassland and the use of artificial fertilisers have had effects as dramatic in Hampshire as in all of Britain. Of the species-rich pastures that did survive, many are now going out of agricultural use and being bought up for recreational horse-keeping, often with permanent stocking levels that are highly detrimental to the wildlife on them.

Arable plants have been in almost continual decline since the 19th century up to the present day. Better seed cleaning techniques started the process, and reduced a number of our more spectacular cornfield weeds from what was admittedly pest status to a minor appearance usually at the margins of the crop. Use of herbicides, and a change to autumn rather than spring sowing, have reduced populations still

further. While Hampshire retains a remarkable diversity of arable plant species including such celebrated plants as Pheasant's-eye *Adonis annua* and Ground-pine *Ajuga chamaepitys*, many are now reduced to tiny sporadic populations at a few sites and are at risk of local extinction. Crop changes, the heavy use of artificial fertilisers, and the planting of 'game strips' have introduced a new suite of widespread weeds. Many of these are grasses, or plants such as Amaranths with small green flowers, and do not have the same public appeal or resonance as a field of Poppies or Cornflowers.

An unfortunate side-effect of farming conservation initiatives has been the planting up of huge numbers of arable margins with grass strips. While this may benefit other wildlife and afford better protection to hedgerows, it ensures that herbicides can reach all parts of the tilled ground, further reducing the territory where arable plants can survive. Some of the best surviving populations are now to be found on allotment gardens where cultivation is less regimented and herbicide use is usually low. The widespread replanting of 'wild flower mixes', often including species that were not part of the original flora, have confused the picture of these plants' distribution and may suggest that they are commoner than they really are, especially as they are often planted in sites where they will not persist on their own and are not given any appropriate management.

Deliberate and Incidental Destruction of Species

Few species have been deliberately extirpated from Hampshire, but plant collectors notoriously had a hand in greatly reducing the populations of one, the Summer Lady's-tresses *Spiranthes aestivalis*. However the death blow was probably delivered not by rapacity, but by the draining and alteration of the few New Forest mires where it survived as a British native. It is still a depressing experience to look at nineteenth-century herbarium sheets needlessly filled with duplicate specimens of this orchid, pulled up roots and all.

In general, incidental destruction of species is much the commoner cause of loss. Drainage schemes on the New Forest have also greatly reduced populations of rarities such as the Intermediate Bladderwort *Utricularia intermedia*, Bog Sedge *Carex limosa* and Flat-sedge *Blysmus compressus*, while the widening of the A31 trunk road brought the small but ecologically very interesting population of Angular Solomon's-seal *Polygonatum odoratum* to the point where it is no longer viable, comprising just two or three non-flowering stems. Relocation trials for this species all failed, as they so often do for many species, but several local botanists including the present writer have managed to preserve stock in their gardens.

One of the most unfortunate episodes of its kind was the development of a marina on the 'type locality' of several species of Glasswort *Salicornia* on Hayling Island. Glassworts are a difficult group with what could be politely described as limited popular appeal, whose taxonomy is still subject to investigation and revision; several species were given their first description from this site, and the preservation of such a type locality helps later generations of researchers understand what the original authors were referring to. This is especially important in a genus such as this where preservation of herbarium material is awkward and of limited use. One of the species has proved very elusive elsewhere in the county.

Deleterious Environmental Change

Climate change is often postulated as the greatest threat to our native flora, but it is very difficult to make the direct evidential links that could lead us to predict the fortunes of any one rare species. Better examples come from more widespread plants such as Beech, where the effects of drought years have revealed themselves on sizeable stands. Perhaps one of the stronger cases to be made is that 'warmer and wetter' will be bad for a range of Orchid species, since they favour a more continental climate with colder winters, rapidly warming springs and dry summers. Man Orchid *Orchis anthropophora* and Musk Orchid *Herminium monorchis* might both be examples in Hampshire, but their fate is also linked to straightforward habitat degradation and destruction.

A much more evident pervasive threat is diffuse pollution, particularly from nitrogen and phosphorus. The former occurs as airborne pollution as well as runoff in the form of nitrates from agricultural land. The latter occurs as phosphates from agricultural, aquacultural and sewage sources. Many aquatic species formerly characteristic of the county favour a mesotrophic (moderately nutrient-enriched) environment, limpid water and limited sediment build-up. Nutrient run-off and discharge, and increased turbidity, are the likely factors in the startling decrease in species such as the Opposite-leaved Pondweed *Groenlandia densa* even in the spring waters that it favours.

On land, the same pollutants favour the growth of a relatively small spectrum of rank 'weedy' species at the expense of the plants of shorter, more open, nutrient-poor communities. Many hedgebanks and verges in agricultural countryside, even given appropriate cutting regimes, now seem unable to sustain the rarities for which they were once a refuge, unless they border woodland or unimproved land. Even tall species like Cat-mint *Nepeta cataria*, itself tolerant of fairly high levels of nitrogen but requiring a rather open sward, seems to have declined in the face of competition from the ranker species in the marginal arable environments where it was found. It may now be undergoing something of a reprieve with funding available for arable marginal conservation strips.

Opportunities and Possibilities

Site Management

Plants are remarkably good at responding to a favourable change in management. There is certainly scope for reviving the fortunes of many of our rarer plants with sympathetic habitat management. The numerous ways of implementing this are well understood by managers of nature reserves, and organisations such as the Hampshire and Isle of Wight Wildlife Trust and Plantlife are gradually spreading this knowledge with advice to private landowners.

Many of our woodlands in private ownership suffer from lack of positive management, leading to a much depleted ground flora due to the lack of light. The days of widespread coppicing are long gone but it is possible that in the future some woods may be harvested in rotation either because timber prices rise, or to provide bio-fuel for power stations. Thinning woods to encourage the growth of fewer, but larger, trees would be beneficial to dwindling colonies of species like Wild Liquorice *Astragalus glycyphyllos*, Narrow-leaved Bitter-cress *Cardamine impatiens*, White Helleborine *Cephalanthera damasonium*, Wood Horsetail *Equisetum sylvaticum*, Green Hellebore *Helleborus viridis* and Fly Orchid *Ophrys insectifera*.

There is still a widespread misconception amongst much of the public that cutting down any tree is undesirable, and many would be happy to see trees planted in bogs or on unimproved meadows. Fortunately a more enlightened view is becoming evident with some landowners. The formation of a network of local conservation groups within the Ministry of Defence, starting in the 1970s has certainly had an enormously positive effect. In the north-east of the county large areas of heathland have been cleared of invading Scots Pine and Birch, and an extensive programme of grazing, implemented by the Hampshire and Isle of Wight Wildlife Trust, has been introduced on the army training areas. The restoration of grazing as a management tool has become widespread in the last couple of decades, especially on nature reserves. A careful balancing act is required to optimise grazing level and timing appropriate for the particular fauna and flora at individual sites.

Seeds (or spores) of scarce plants can be buried in the underground seed-bank for many decades and then germinate and thrive when brought to the surface, refreshing the seed-bank. This can be achieved by lightly scraping off the top few inches of dominant vegetation, such as *Molinia* on wet heathland. Such scrapes mimic the poaching effect of trampling animals. When approaching local extinction in North Hampshire, Pale Butterwort *Pinguicula lusitanica* was revived in this way and is now thriving, albeit in a single area. Also in North Hampshire several colonies of Marsh Clubmoss *Lycopodiella inundata* have been substantially increased by providing adjacent shallow scrapes of exposed bare peat. It has been remarkable how quickly these have been colonised, usually first by Oblong-leaved Sundew *Drosera intermedia* and Bog Pimpernel *Anagallis tenella*, but soon after by the *Lycopodiella*.

Soil disturbance is an essential requirement for most of the rare annual plants of arable habitats, whose seed needs bare warm soil to germinate. Species like Pheasant's-eye *Adonis annua*, Shepherd's-needle *Scandix pecten-veneris*, Red Hemp-nettle *Galeopsis angustifolia*, Spreading Hedge-parsley *Torilis arvensis* and Red-tipped Cudweed *Filago lutescens* cannot germinate amongst grass and are dependent on annual soil tillage. The few remaining plants have a precarious existence on arable field edges where most of their ancestors have been eliminated with herbicides.

Site Protection and Designation

Delving behind some of the records in this book will soon reveal that the mere provision of legal protection for a species or site will do little to guarantee good fortune for a rare plant. Relatively few plants nowadays fall victim to collectors, although wild orchids seem to remain an exception. Even here,

and taking into account that protection of species from collecting is really unpoliceable, we consider that for most species, the risks of their whereabouts not being fully known to land managers outweigh the risks from collection.

Legal site protection does offer straightforward protection from outright habitat destruction, although even this has occasionally failed in the past, and the ploughing of a large part of Baddesley Common became a cause célèbre and test case for the Wildlife and Countryside Act in the early 1980s. However national designation of a Site of Special Scientific Interest (SSSI) does put an onus on the landowner to maintain the site in favourable condition. This duty is imposed in respect of the features for which the SSSI was cited, which may not include all the individual rarities which occur there. Even supposing an ideal monitoring regime and effective enforcement, legislation in itself does not achieve favourable outcomes for specific rarities.

What site designation can do is to direct attention and resources to important refuges. In general, rare plants will thrive if the broader nature of their habitat and its dynamics is understood, and the will and resources are available to apply that knowledge. Even then, the smaller sites are often at the mercy of a more or less benign regime in the surrounding landscape. On the other hand, intensive 'gardening' often has undesirable side-effects, and attempts at translocation and reintroduction have very limited success, as this book attests in several cases.

Wider Environmental Stewardship

One of the major shifts in conservation practice of recent years has been a movement of funding into the countryside at large to support more wildlife-friendly measures. The biggest benefits this is likely to yield will be among more abundant and widespread species, and hopefully it will prevent them from ever appearing in a Rare Plant Register. But even where the measures are not directly aimed at conserving rarities, we can hope for some benefits to flow. The greater emphasis on Higher Level Stewardship payments will revive practices that should benefit all wildlife, such as traditional woodland and grassland management. While the rarities themselves may struggle to re-establish themselves in the wider world, or be incapable of that by their very nature, the protection provided by a surrounding landscape under sympathetic management may make all the difference to their long-term chances. Protection of many wetland plants is dependent on the health of the water system at some distance from where they grow.

Government funding for more wildlife-tolerant farming is being matched by the advocacy of 'living landscapes' by most of the non-governmental conservation bodies. Since they are often landowners and land managers on a significant scale, they are well placed to talk to other landowners in practical terms. In the current economic situation, and with the radical reviews of government involvement in the countryside that are now going on, there is much uncertainty about the eventual success of these initiatives, but there are still grounds for some cautious optimism.

Beneficial Environmental Change

As with the threats presented by climate change, it is quite hard to pin down cause and effect in relation to any individual rare species. Evidence from the spread of more recent arrivals, which do not generally feature in this book, is more convincing. However one of the more spectacular spreads in recent years is that of the Musk Stork's-bill *Erodium moschatum*, which in South Hampshire has gone from being a rare coastal species to a widespread coloniser of open mown and rough grassland. Although it deserves research, it is difficult to think of factors other than temperature that would have enabled this.

Sea Knotgrass *Polygonum maritimum* is perhaps another example, although its sites remain very limited in number. Considered for declaration as extinct in the county, it has re-established reasonably large populations on two classic sites, and smaller numbers have succeeded in appearing along other stretches of coast. Milder winters may play a part, as may the uncovering of seed banks by winter storms. Certainly the run of two severe winters has taken a toll on the newly revived colonies.

Dissemination of Knowledge

Making the whereabouts of scarce native plants more accessible is likely to engender more interest in our floral heritage. Hopefully this book will encourage further discoveries of scarce plants in Hampshire, together with their formal recording. Too often, known plant sites are revisited but the results are not passed on because the finder thinks that the plant's presence is well known. There is always a need to update records as the flora of any area is liable to change.

Hampshire has a wealth of areas with open public access, and a splendid network of public footpaths, but inevitably there are many areas of private land that are not readily accessible. Despite the long history of botanical recording in the county it therefore seems likely that many sites for rare plants are unknown because they have never been visited by a botanist. The plants listed in this publication are inevitably heavily weighted towards areas with easy access such as the New Forest, nature reserves, rights of way and some of the military training areas. Requests to private landowners for access are usually responded to favourably, and if an unusual plant is found many owners are proud to be looking after their own special plants.

There is a tendency to seek for scarce plants at well-known sites and this publication will assist that. However, targeted systematic searches of readily accessible areas in every single 10km square or tetrad (an area 2km x 2km) are likely to reveal more surprises. There has been little systematic plant recording in Hampshire since the efforts for *Atlas 2000*, but members of the Botanical Society of the British Isles have recently started on a new systematic national survey covering the years 2010 to 2020. This will lead to the publication of another national set of distribution maps, replacing *Atlas 2000* and no doubt revealing many new discoveries in Hampshire and elsewhere.

As new sites for scarce or rare native plants are found it is intended to update the account given here by publishing amendments and updates on the Internet at <http://hantsplants.org.uk> under the heading 'Hampshire Rare Plant Register'. As noted previously, these updates will also include accounts for the additional species, listed in Appendix C, that only qualify under the 'Other Local Criteria' detailed in the 'Criteria for Inclusion' section above.

Presentation of Species Accounts

This section illustrates how the account for each species is presented.

***Orchis anthropophora* (L.) All.**

Man Orchid
c. 1850-2001

Each account begins with the **scientific name**, **naming authority** and **vernacular name**. Scientific names follow Stace (2010), or Kent (1992, 1997-2000) where a name is absent from Stace, or Sell & Murrell (1996, 2006, 2009) for certain critical taxa not covered in either. Since the name changes in Stace (2010) will not yet be familiar to all, we have included a concordance of old and new scientific names in Appendix H. Intergeneric hybrids (with names prefixed by 'x') are listed under nothogeneric name order in the accounts; for example, x *Dactyloдения* appears in the 'D's.

Vernacular names are taken from Stace (2010), or from Sell & Murrell (1996, 2006, 2009) for certain critical taxa without such names in Stace. Subspecies have been given an additional prefix word to the species vernacular name where they do not have their own name. Hybrids are named as 'Hybrid' followed by the combination of vernacular names of the parents, unless a vernacular name is available for the hybrid itself.

There follows the **range of years** over which the plant has been recorded in Hampshire. These dates are taken from the range of records held on computer by the authors, supplemented by information from the 1996 *Flora* and its source material; or occasionally from other sources such as earlier floras, notebooks and herbarium sheets. There is no doubt that further research in primary sources could extend the date range backwards in some cases, and future Internet updates will reflect any new discoveries.

National Status: Endangered, Scarce, Native **UK BAP Priority Species**

The **national status** lists IUCN threat status for Britain, followed by rarity status for Britain. Where a plant is shown as 'Data Deficient', 'Waiting List' or 'Parking List' in Cheffings & Farrell (2005) it is shown as 'Unlisted'. Plants with the IUCN category 'Least Concern' in the same work are given no national status. Where a plant occurs in more than 100 hectads from 1987 onwards in *Atlas 2000*, it is listed as 'Not Scarce'. This is followed by tags for any international or national **legal designations**, which are expanded in Appendix G. The **native status** for Britain is shown; sometimes a plant occurs in the wild as both a native and an introduction, and in this case the listing indicates all known or suspected status designations.

S Hants: Rare or Scarce

Native

The remainder of the listing is broken down to South and North Hampshire. The local **rarity status** is given (see p. 7 for the full listing of rarity criteria): where it is uncertain at present how many sites remain, alternatives may be listed as illustrated above. Taxa occurring in more than 22 tetrads in one half of the county, or in more than 42 tetrads over the whole county, are listed as **Not Ranked**. The **native status** (to the best of our knowledge) within that part of the county is shown.

This is followed by a brief note on the historical and present distribution and populations in the area. In future updates on the Internet this will be replaced by a fuller species account, detailing the recording history, distribution, ecology, conservation status and national significance of the county's populations. References to literature are given in the conventional form and detailed at Appendix F, with the exception that for brevity and readability, Brewis, Bowman and Rose (1996) is often shortened to "the 1996 *Flora*", and Preston, Pearman & Dines (2002) to "*Atlas 2000*".

Where a plant is locally Rare or Scarce (i.e. it has 10 sites or fewer with *recent* records), a list of *all* localised sites is given. Detailed records for a site then follow.

Martin Down	SU0518	1982-1994
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The account catalogues the recorded sites, which are mostly organised by 1km square boundaries. In some cases where this would lead to parts of the same population being arbitrarily split off, a site is considered to run across 1km boundaries and each 1km square is then listed for the site. For some linear sites especially, such as shorelines or waterways, where there is no significant natural gap in the population, the site definition may be stretched through more than two 1km squares. On the other hand, places in the same 1km square that are widely separated by an environmental barrier (such as places on opposite sides of an estuary) are treated as separate. **Site names** have been given by the authors.

The **date range** is that for which there are records that can with reasonable certainty be allocated to at least 1km precision to the site. There are many other records, especially historical ones, in which it might be inferred that they refer to the same place, but these are excluded unless the evidence is solid. Records that cannot be assigned to a particular 1km grid square are either excluded from this account, or given brief mention in the accompanying text. Future updates on the Internet are likely to include many more notes on significant historical records.

Martin Down	SU053188	22-May-93	MNJ
Martin Down	SU054189	29-May-94	RPB Either side of path
Martin Down	SU055189	1988	PET & FR 'several, 1988' [RPB, 1986, draft 1996 Flora]

The most recent record for 1987 onwards from each recorded 100-metre grid reference within the site is then listed. If there are only pre-1987 records then in general detailed records are omitted. However in some cases (where they may suggest a decline or increase, where fluctuations in numbers are revealing, or where different records carry useful extra information) earlier records may also be included.

The **site name** against the individual record is the recorder's, with the exception of erroneous or misleading names where the authors have on occasion substituted another name. This is followed by the 100m **grid reference**. In a few cases of specially sensitive species or sites, the detailed grid reference is withheld.

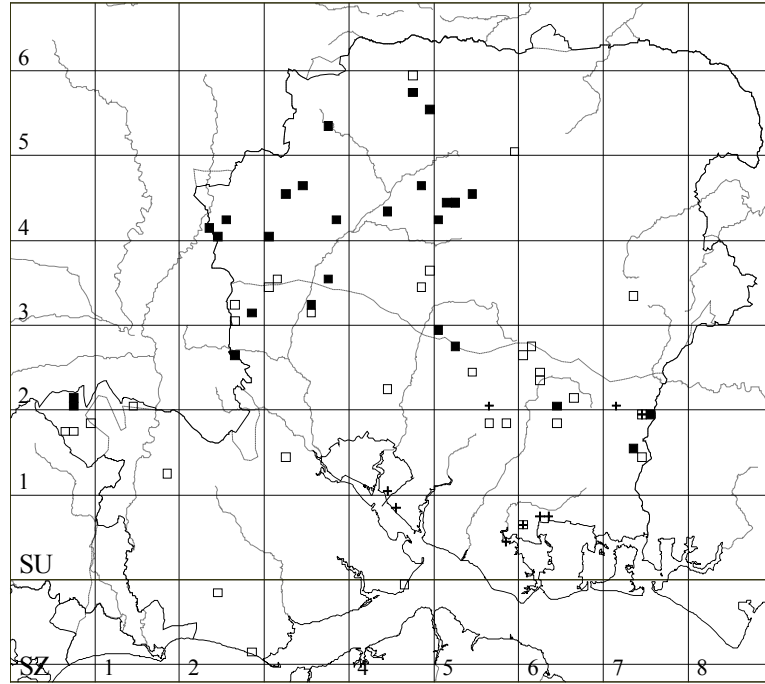
The **date** of the record is shown, as precisely as possible.

The **recorder's initials** are shown. Where a recorder is listed in the 1996 *Flora*, the same initials have been retained. The full list of recorders against their initials is at Appendix E: List of Recorders.

Finally the recorder's comments are given, with some editing. In some cases, compiler's comments have also been added in square brackets.

Other information held on database is not always shown in these accounts. This includes names of determiners, existence and location of voucher specimens, and references to source documents. Researchers with an interest in these details should apply to the Hampshire Biodiversity Information Centre or the BSBI vice-county recorders.

Where a plant is not scarce in either or both parts of the county, records are summarised on distribution maps. These maps show only records that are localised to a 1km square or better, and may therefore show a sparser distribution than the tetrad maps in the 1996 *Flora*. It should not be automatically assumed that this represents a decline in the species.



Distribution information is displayed on a 1km grid basis.

- 1km squares with **Recent** records (1987 onwards)
- 1km squares with **Modern** records (1957-1986)
- + 1km squares with **Historical** records (prior to 1957)

Historical records with a 2km x 2km grid square ('tetrad') reference are often given passing mention. These have a letter appended to the 10km x 10km (hectad) reference; for example 'SU21G'. Letters are allocated thus within the hectad, so that, for instance, 'SU21S' would denote 'the 2km square with its south-west corner at the 1km grid reference SU2614'.

	E	J	P	U	Z
8000					
	D	I	N	T	Y
6000					
	C	H	M	S	X
4000					
	B	G	L	R	W
2000					
	A	F	K	Q	V
0					
	0	2000	4000	6000	8000

Species Accounts

Aconitum napellus L.

Monk's-hood
1834-2010

National Status: Unlisted, Scarce, Doubtfully Native

S Hants: Scarce

Neophyte or ?Native

Not all sites have been checked for correct identification. It is just conceivable, though unlikely given the present populations and situation, that in the river valley sites (Romsey and Durley) it is a native relic.

Whitsbury Castle	SU1219	1976		
Romsey SW	SU3420	1975		
Romsey SW	SU3519	1975		
Tadburn Lake, Romsey	SU3621, SU3721	1988-1997		
Tadburn Lake, Romsey	SU369215	11-Apr-88	PAB	By stream.
Romsey	SU371217	08-Apr-97	RMV	Tadburn Lake. N bank of stream. Rare, 1 plant, several stems.
Hursley	SU4224	2001-2009		
A3090, Hursley	SU426243	01-Jun-09	MR	Well-established patch of about 2m x 1m, first noted 2001 and apparently increased since then. Hb MR.
Hursley	SU427244	27-Jun-01	MH	A31 roadside just S of Hursley past junction with B3043 20 flower spikes 6ft from road.
Durley Mill	SU5215	1983-2007		
River Hamble, Durley Mill	SU524151	20-Apr-07	MR	Single small patch between path and garden hedge.
Durley Mill	SU525152	23-Jun-96	PAB & SNHS	By diverted footpath near stream. Rare, c.6 plants.
Preshaw	SU5629, SU5630	1968-2003		
Preshaw	SU567229	15-Jun-68	RPB	Corner of wooded track[?] opposite cottage.
Preshaw	SU567230	03-Jul-03	MR	Still extant in extreme NE corner of wood.

N Hants: Scarce

Neophyte or ?Native

Most, if not all, records are of garden escapes, though naturalised in a few places. Also recorded at Doles Wood SU35Q in 1941 as "apparently wild".

Fyfield Lane, Fyfield	SU3047	2009		
Fyfield Lane, Fyfield	SU302471	18-May-09	MHod	A large 1m clump of flowering stems in a grassy verge opposite houses. Probably a garden escape. Photos det. ARGM.
Tangley	SU3352	2002		
Tangley, Fox Plantation	SU336524	20-Apr-02	ARGM & WGH	With garden discards, Convallaria and Crocosmia at road junction SU3363 5242. Specimen matches the native subsp. but clearly an introduced garden discard here.
Wherwell	SU3940	2010		
Wherwell, Church Lane	SU391409	04-Jun-10	GCo	At SU3916 4091, not quite on the river bank but close by under a wall, photos confirmed ARGM.
Bransbury	SU4142	1965-2010		
Bransbury Common, N part	SU414423	09-May-10	ARGM & HFG	Large clump at SU4140 4234 by river bank.
Barton Stacey	SU4238	1961-1969		
Sydmonton	SU4858	1911		

Ecchinswell	SU4959, SU5059	1982-2001		
Ecchinswell	SU499594	24-May-01	ARGM & WGH	Beside stream at SU4996 5941.
Ecchinswell village	SU500593	27-May-01	BGo & JGo	49 flower stems on W side of stream.
Plastow Green, Headley	SU5261	1982-2001		
Plastow Green,	SU529614	24-May-01	ARGM & WGH	Beside stream at SU5298 6148.
Headley	SU529615	27-May-01	BGo	c. 14 flowering stems on left bank of stream, just W of road bridge, under Alnus.
Bartley Heath	SU7252	2010		
Bartley Heath, south part	SU729526	21-Apr-10	ARGM	The native subsp. but clearly a garden discard here at SU7294 5265 as growing with <i>Narcissus poeticus</i> and <i>Lamium galeobdolon</i> subsp. <i>argentatum</i> .
Fleet Pond	SU8154	1985		
Yateley Common	SU8359	2002		
Yateley (Common) / Minley	SU835592	20-May-02	JAN & DRA	Not far N of the road, SU83519 59206.
Eelmoor	SU8452	1975-1990		
Basingstoke Canal, Eelmoor	SU844528	1990	ARGM	A garden escape close to the south bank of the canal, where first found by TD c.1975. Last seen 1990, may have been lost due to scrub growth.
Eelmoor Hill	SU845527	1983	ARGM	A garden escape beside the road where first found by TD in c.1975 (plus another site nearby). [Originally recorded with an inaccurate map ref of SU846528 – ARGM] Destroyed by road works a few years later.

***Adiantum capillus-veneris* L.**

Maidenhair Fern

1972-2006

National Status: Scarce, Native

S Hants: Rare

Neophyte

Only as an introduction in a few artificial (and ecclesiastical) habitats, where it seems currently to persist and thrive.

Awbridge	SU3223	1988-2006		
All Saints Church, Upper Ratley	SU323234	19-Mar-06	BGo & JGo	Still in quantity by steps into basement.
All Saints Church, Awbridge	SU324234	31-Jul-00	BGo	
Winchester	SU4829	1995		
Winchester Cathedral Close	SU483293	01-Jul-95	RMV	
Curdridge	SU5213	1990-2004		
St Peter's Church, Curdridge	SU528138	25-Nov-04	MR	In well of steps to crypt on N side. Abundant and with several young plants.

N Hants: Rare

Neophyte

Only known on two walls.

Alton	SU7139	2000		
Alton	SU718394	2000	FJR	Single plant on wall in High Street, west of the museum where the pavement on north side of the road is raised above road.
Aldershot	SU8650	1999-2005		
Aldershot	SU869505	2005	FJR	Abundant on railway bridge in Aldershot, SU8691 5055, first seen 1999.

**National Status: Endangered, Scarce, Archaeophyte
NERC S41
UK BAP Priority Species****S Hants: Rare**

Archaeophyte

At Damerham it was noted as "Common in Damerham area" in the 1950s by the Hampshire Field Club. In 1991 only one (unlocalised) plant was found there. It was also recorded at Owslebury (SU52) in 1834.

Knoll Farm, Damerham	SU0917, SU1017	1950-1991			
Knoll Farm, Damerham	SU092176	15-Aug-86	JO	SU092176 – SU094178. Strip on edge of wheat crop. Rare. Total of 15 scattered plants.	
Knoll Farm, Damerham	SU094178	15-Aug-86	JO	See above.	
Knoll Fm, Damerham	SU095175	1989	JO		
Knoll Farm, Damerham	SU100175	01-Apr-87	JO	Wheat Field. Seedlings only seen.	
North Charford Down Farm, Breamore	SU1520, SU1620	1991			
North Charford Down Farm, Breamore	SU158204	1991	CS	One plant on arable field edge.	
North Charford Down Fm	SU160204	1991	CS	Edge of arable field, one plant. Confirmed JO.	
Broughton Down Farm	SU2934	1972-1981			
Nine Mile Water Farm, Broughton	SU3034	1968			

N Hants : Scarce

Archaeophyte

Much declined due to agricultural methods, and probably only hanging on now at two sites. Some sites with only pre-1987 records are detailed to encourage further search.

Harewood Forest	SU3842	1934-1987			
Augurs Hill Copse, Harewood Forest	SU382428	1987	DMA	Augurs Hill Copse. 2 plants in rape.	
Longparish	SU4343, SU4443	1962-2006			
Southside Farm, Longparish	SU438435	1970	DM		
Southside Farm Longparish	SU440435	1987	MRe		
Southside Farm, Longparish	SU440436	12-Jul-88	AJB	HBIC record.	
Southside Farm, Longparish	SU441435	2004	PJW	One plant.	
N of Lodge Farm, Longparish	SU443436	07-Jul-62	RPB	Barley field margin on chalk.	
Longparish, S of Vale Farm	SU449437	31-May-06	GCE	200+ flowering on fallow/set-aside approx SU449437 (private land).	
Upper Norton Farm	SU4842	1991			
Upper Norton Farm, Bullington Cross	SU480426	1991	SF		
Laverstoke, S of	SU4847	1986			
Weston Colley, S of	SU4938	1955-1957			
Bazeley Copse, Micheldever	SU5037	1965			
Bazeley Copse, Micheldever	SU505370	1965	ARL	c.1965. Borough Down Farm. One or two in a field corner and suffering from spray. Shown to AB.	
Abra Barrow, Laverstoke	SU5047	1957			

Overton, S of	SU5147, SU5148	1938-2004		
White Hill nr. Overton	SU5147	1938	PMH	[Nominal grid ref. – only locality recorded] White Hill, nr. Overton. Specimen in BM.
White Hill, Overton	SU515477	20-Jul-04	PJW	Several plants in field margin recently planted with trees, last seen here 15 years ago.
Overton, S of	SU5148	1986	GC	
Fob Down, Alresford	SU5732, SU5733	1932-2010		
New Alresford	SU573322	1974	GHF	
Fob Down, Alresford	SU573330	09-Jul-09	ABI	In field corner at SU5739 3304, 15 plants, some of them flowering. ABI also reported one in flower in December 2008 and another in January 2009. All the plants were beheaded in April 2009 with new seedlings appearing on 30 Jun 2009.
Fob Down, Alresford	SU573330	04-Jul-10	EHac	15 plants on chalky field border at SU5739 3304 (photos conf. ARGM) but it appears that the flowers have been cut off recently. Also seen last year when the flowers were much larger.
Fob Down, Alresford	SU574330	24-Jun-10	BLa	23 plants at SU57405 33047 at edge of arable field by spinney, a few in flower but most nipped off by rabbits.
Fob Down, NW of New Alresford	SU575332	1977	KC	
Brown Candover	SU5740	1965		
Woodmancott, E of	SU5742	1960		
East Oakley	SU5749	1965		
Battledown, Basingstoke	SU5949, SU5950	1984-2000		
Battledown Farm, nr East Oakley	SU593497	1984	RJH	Battledown Farm, Basingstoke. Result of an experiment in not spraying headlands.
Battledown, Basingstoke	SU598503	05-Sep-00	PHR & SR	Approx. grid reference. One plant, in an arable field.
Preston Candover, E of	SU6241	1944		
Lower Wield, W of	SU6340	1968		

x *Agropogon lutosus* (Poir.) P. Fourn.

Perennial Beard-grass
1641-2009

National Status: Unlisted, Scarce, Native

S Hants: Scarce

Native

A hybrid that appears to arise in new sites from time to time. The first British record was from near Southsea Castle (SZ69). Also formerly recorded in the Hamble / Warsash area (SU40Y), Gosport (SZ59 or SU50), and near Portchester (?SU60).

Dibden Bay	SU4009	1988-2000		
Dibden Reclaimed Land	SU4009	1997	NAS	
Dibden Bay	SU4109	1993	RPB	
Dibden Bay (part)	SU410097	01-Sep-00	Anon	HBIC record.
Dibden Bay	SU412097	17-Jul-88	RPB	Wet slope flushed by brackish seepage channel behind estuary wall. Abundant over a band 27m in extent amongst <i>Agrostis stolonifera</i> .
Hythe Marina	SU4208	1995-1997		
Marina Mound Hythe	SU420086	1997	NAS	
The Marina Mound	SU421086	31-Jul-95	HCC	HBIC record. Rare, SU4210 0865.
Hythe Marina Village	SU422086	05-Jul-95	ILR	Open and bare wet ground near gazebo. Hb.RPB conf. RPB 12.7.95.

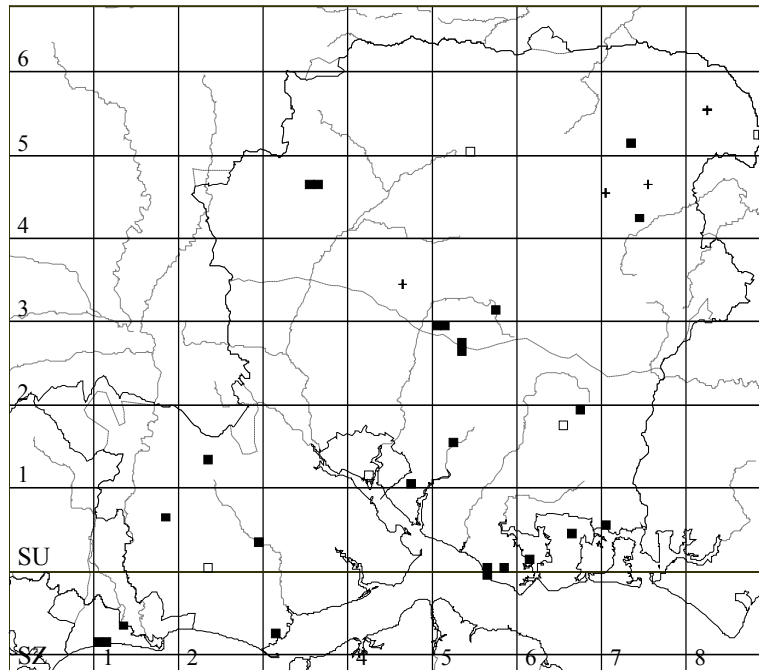
Calshot	SU4701, SU4801	1977-1987		
Calshot, Tom Tiddler's Ground	SU479018	1987	RPB	
Tom Tiddler's Ground	SU480017	01-Jan-87	ITE	HBIC record.
Calshot Reclamation Area	SU481019	18-Aug-87	RPB, AJG & JGM	c.SU481019. Along ± bare path in brackish reclaimed land. VR c.3 plants.
Chark, Gosport	SU5700	2009		
Cherque Way	SU574002	22-Aug-09	JAN, EJC & DRA	One small clump in damp seepage on edge of former Sandhill gravel works, with both parents.
Farlington Marshes	SU6804	1931-2001		
Farlington Marshes	SU685043	01-May-94	NAS	HBIC record.
Farlington Marshes	SU686046	18-Aug-01	PJSe	Hb PJSe Abundant within a winter wet area.

N Hants: Not Recorded

***Agrostemma githago* L.**

**Corn-cockle
1766-2010**

National Status: Unlisted, Extinct in Wild, Archaeophyte



S Hants: Extinct (except as casual)

Archaeophyte

Only now as a reintroduction in 'wild flower mixes', when it is usually not persistent.

N Hants: Scarce

Archaeophyte

Introduced at some sites. Thought to have arisen from long-buried seed at Magdalen Hill Down in c.1998, but despite some earlier encouragement by re-sowing its seed, it seems unlikely to persist there much longer.

Andover	SU3546	2010		
Andover	SU356466	05-Jul-10	MFW	Casual at SU3562 4661 on disturbed ground close to roundabout, where someone has evidently sown a seed mixture.
Andover	SU365461	14-Sep-10	MHod	Abundant from SU3654 4615 to SU3661 4619 and evidently sown together with Chrysanthemum segetum and Centaurea cyanus on large area recently covered in topsoil.

South Wonston, S of SU4634 1950

Magdalen Hill Down	SU5029, SU5129	1998-2006		
Magdalen Hill Down	SU508291	14-Jul-06	MR, LFo & ARGM	One taller plant at SU5081 2919, flowers going over, shown to ARGM.
Magdalen Hill Down	SU509292	14-Jul-06	MR, LFo & ARGM	Four plants at SU5097 2920 plus two very small plants at SU5096 2922 with flowers over. This is the native form that seems to have narrower leaves than the 'garden form' sold in seed mixtures.
Magdalen Hill Down	SU508291	23-Jun-06	EJC & MR	4 plants in laid chippings and suspected of being introduced, but not a hortical form.
Magdalen Hill Down – West	SU509292	23-Jun-06	EJC & MR	5 plants in angle between main E-W path and loop path to N at SU5096 2921.
Magdalen Hill Down Extension	SU510291	02-Aug-02	PAB	
Magdalen Hill Down Extension	SU5129	19-Jun-00	BGo & JG	Fairly frequent in top NW Corner of Reserve, on disturbed ground.
Magdalen Hill Down	SU513291	11-Jul-00	PAB	360 plants.
New Alresford, E of A31, E of New Alresford	SU5731 SU570315	1987		
		25-Jun-87	RPB	c.150 plants in c.10 groups, on bare chalky soil of new roundabout. Associated spp. include ...arable weed spp... chalk grassland sp... It is probable that seed of <i>Agrostemma</i> had lain dormant on the site of a former cornfield. AB states that seed was deliberately sown at this site.
Deane	SU5450	1958		
Humbly Grove	SU7045	1942		
North Warnborough	SU7351	1996		
North Warnborough	SU731513	31-Mar-96	CRH	22 plants on dumped soil near Laurel Close, evidently introduced.
Froyle area	SU7442	2009		
Froyle area, Round Wood	SU7442	18-Aug-09	SC	One plant SU7490 4257. Probably of garden origin. On permissive field edge path (divided by hedge from track running westwards from West End Farm) mulched with composted waste from recycling centre located by Round Wood.
Long Sutton, SE of	SU7546	1934-1947		
Ancell's Farm, Fleet	SU8255	1943		
Aldershot	SU8852	1985		

***Ajuga chamaepitys* (L.) Schreb.**

Ground-pine
1760-2010

National Status: Endangered, Rare, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8

S Hants: Extinct

Native

Longwood Warren **SU5325** **1770**

Galley Down, Bishops Waltham **SU5719** **1957**

W of Farlington Redoubt **SU6806** **1930-?1945**

N Hants : Rare

Native

Many old records at tetrad level, but much decreased and now approaching extinction under current land management, though the introduction of the Higher Level Stewardship scheme may save it at a few sites if the management is suitably tailored.

Augurs Hill Copse, S of		SU3842	1969-2000	
Augurs Hill Copse, Harewood Forest	SU383426	1992	MFW	Single plant at field margin alongside footpath.
Augurs Hill Copse, Harewood Forest	SU383427	1992	MFW	Along field margin under Augurs Hill Copse.
Nr Augurs Hill Copse	SU383428	1999	BGo	SU3834 4282. Five flowering plants in area 350m x 1m. 1m wide strip at edge of arable field protected from spraying in recent years.
Augurs Hill Copse, Harewood Forest	SU384428	1974	IM	
Augurs Hill Copse	SU385427	Aug-69	MMcK	On high ground near edge of Harewood Forest, SNHS visit, Aug 1969, det. RPB. Very near a different site at SU384428 first recorded by RPB in 1969.
Field Nr Augur's Hill Copse	SU385428	10-Aug-00	JRM	0 in 2000, 8 in 99, 1 in 98, 8 in 97 and 12 in 96.
S of Augurs Hill Copse	SU385428	20-Aug-00	ARGM	5 plants.
Augurs Hill Copse, S of Andover	SU386427	1985	PJW et al	
Sutton Scotney, NE of		SU4539	1943	
Freefolk Wood, field margin		SU4944, SU5043	1981-2010	
Freefolk Wood, Micheldever	SU4944	1991	WMK	Edge of cornfield, Freefolk, Micheldever.
Field Nr Freefolk Wood, Micheldever	SU503438	31-Jul-01	JRM	12 plants. Field about to go into arable stewardship and no herbicide was applied this year.
Freefolk Wood, S of	SU503439	19-Jul-10	GKn	In a c.50m stretch along northern field margin. 43 counted but count was not comprehensive (I know Plantlife recorded 77 individuals a month or so later).
Field near Freefolk Wood, north end, Upper Cranbourne Farm	SU504438	21-Jul-09	JRM	46 plants spread along nearly whole length of headland. Headland well-cultivated spring 2009. [Counts here by JRM: 12 in 2001, 4 in 2002, 7 in 2003, 25 in 2004, 2 in 2005, none in 2006-2008].
Freefolk Wood SE of	SU504439	24-Jul-10	ARGM & ReNHS	30 plants at SU5040 4392.
Freefolk Beech Break	SU505436	1997	Pla	HBIC record.
Micheldever Station, E of		SU5042	1972	
Roundwood Estate		SU5043	2009	
Roundwood Estate	SU508438	Aug-2009	PJW	Two plants in game cover crop.
Bramdown Copse		SU5247	1956	

***Alchemilla filicaulis* Buser subsp. *vestita* M. E. Bradshaw Hairy Lady's-mantle
1597-2006**

National Status : Not Scarce, Native

S Hants : Extinct or Rare

Native

Also recorded in recent years in Godshill area (SU11S), and historically in West Wellow / Copythorne area (SU21Z), Ditcham Woods, and West Hurn near Bournemouth (SZ19I).

Stoke Park Woods SU4719 1979

N Hants: Rare

Native

Lost from several old sites and apparently only surviving now at Cowdown Copse.

Cowdown Copse SU5850, SU5851 1958-2006

Cowdown Copse, East Oakley SU583509 01-Jun-06 ARGM & AM-Br 15 plants in grassy ride at SU5836 5098 (in addition to the 8 at track junction nearby).

East Oakley, Cowdown Copse SU583510 01-Jun-06 ARGM & AM-Br 8 plants at track junction at SU5837 5100.

Well's Copse SU5850 1985

Hound Green, SW of	SU7258	1965		
Hound Green Hound Green, Mattingley	SU7359 SU730591	1972-2000 29-May-00	ARGM & AM-Br	At SU7304 5912, 3 plants, 1 flowering, in 30cm x 30cm area. 18m NW from junction, then 6m into field from road, at the edge of the brambles, in marshy corner of unimproved acid/neutral grassland. Other sites at SU722585 and SU739583 searched without success [Not refound at SU730591 by ARGM on 7 Aug 2008.]
Mattingley Clappers Bridge	SU7358	1965		
Milking Hanger, near	SU7434	1920-1970		
Coombe Wood, Selborne	SU7534	1961		

***Allium ampeloprasum* L. Wild Leek**
1991-2007

National Status: Scarce, Archaeophyte

S Hants: Rare

Neophyte

Apparently a recent arrival.

Mayfield Park Mayfield Park – Jurd’s Lake Valley	SU4410 SU444104	2007 11-May-07	PAB	Actually on top of bank above gardens.
Old Turnpike, Fareham Old Turnpike, Fareham	SU5706 SU578068	2003 19-Jun-03	EJC & DRA	Seen in two places, one adjacent to garden hedge.
Green Lane, Clanfield Green Lane, Clanfield	SU7016 SU708167	1991 03-Aug-91	RBa	Det EJC 9/91 as <i>Allium babingtonii</i> Borrer var <i>babingtonii</i> . Hb RPB, BSBI News 60:35. 14 plants.

N Hants: Not Recorded

***Allium oleraceum* L. Field Garlic**
1828-1985

National Status: Vulnerable, Not Scarce, Native

S Hants: Rare

?Native

Possibly native in the past at a single site at Dean Hill (SU22T), but the only recent record, at Stubbington (SU5703), was an error for the introduced *Allium paniculatum* agg.

N Hants: Probably Extinct

Native and Neophyte

The former sites on grassy arable field borders, and regarded as native, have all been lost. It was searched for unsuccessfully at the Micheldever Station site by ARGM, EJC & WGH on 27 Mar 2004, and again by ARGM on 22 Jul 2005 (this was at SU517433, not in SU5043 as given in the 1996 *Flora*). A record for Abbots Ann published in the 1996 *Flora* is known to have been an error for *Allium carinatum*.

Clanville, Andover	SU3249	1969-1975		
Bottomstead Farm, East Woodhay	SU3961	1870		
New Barn Farm, Laverstoke	SU4845	1967		

Micheldever Station SU5143 1984-1985
Basingstoke, Norn Hill SU6453 1940

***Allium schoenoprasum* L.**

**Chives
1994-2007**

National Status: Scarce, Native

S Hants: Scarce

Neophyte

Only as a relic of cultivation.

Hengistbury Head Hengistbury Head	SZ1890 SZ1890	2007 30-Jun-07	DWo & MWO	
Paulsgrove Southampton Road, Paulsgrove	SU6305 SU6305	1994 16-May-94	RBa	Relic on disused allotments.
IBM North Harbour IBM North Harbour	SU6404 SU6404	1990 1990	IBM North Harbour WG	
Portsdown Portsdown Cmpt 9	SU6506 SU658064	2004 15-Apr-04	JGood	30 plants.
Crookhorn Crookhorn Golf course west	SU6706 SU675065	2004 08-Apr-04	JGood	100 plants.

N Hants: Not Recorded

***Alopecurus bulbosus* Gouan**

**Bulbous Foxtail
1845-2010**

National Status: Scarce, Native

S Hants: Scarce

Native

Also recorded at Stokes Bay, Gosport until 1947 when lost to development. At risk from sea level rise. Some sites with only pre-1987 records are detailed to encourage further search.

Wick Meads Wick Meads	SZ1591, SZ1691, SZ1692 SZ159919	1991-2007 19-May-07	MR & HFG	Scattered from SZ1595 9193 southwards through damp brackish pasture.
Solent Meads, Wick Wick Meads	SZ160919 SZ160922	01-Jul-91 01-Jul-91	RMW RMW	Brackish wet meadows. Locally very abundant.
Stanpit Marsh Stanpit Marsh, South Marsh	SZ1691 SZ169917	1978-1986 1986	RPB	Stanpit Marshes. South Marsh, brackish marsh grassland. Conf. PJOT.
Stanpit Marsh	SZ1790	1984		
Keyhaven Keyhaven	SZ3091 SZ305915	1980-2003 27-May-02	BGo & JGo	Just N of fence north of lane to car park.
Baskets Meadow, Keyhaven	SZ305916	13-Oct-03	ILR	At SZ3056 9160.
The Furlongs, Totton Lower Test NR	SU3613 SU367136	1955-1999 16-May-99	GTh	

Testwood Lower Test NR	SU3614 SU3614	1953-2010 29-Jun-10	NM
Needs Ore Rough by Warren Farm	SZ4097 SZ409974	1989 14-Aug-89	NAS
Farlington Marshes Farlington Marshes	SU6804 SU685043	1994 01-May-94	NAS
West Lane, Hayling Island	SU7000	1935	

N Hants: Not Recorded

***Alopecurus x plettkei* Mattf. Hybrid Marsh x Bulbous Foxtail
1978-2007**

National Status: Scarce, Native

S Hants: Scarce

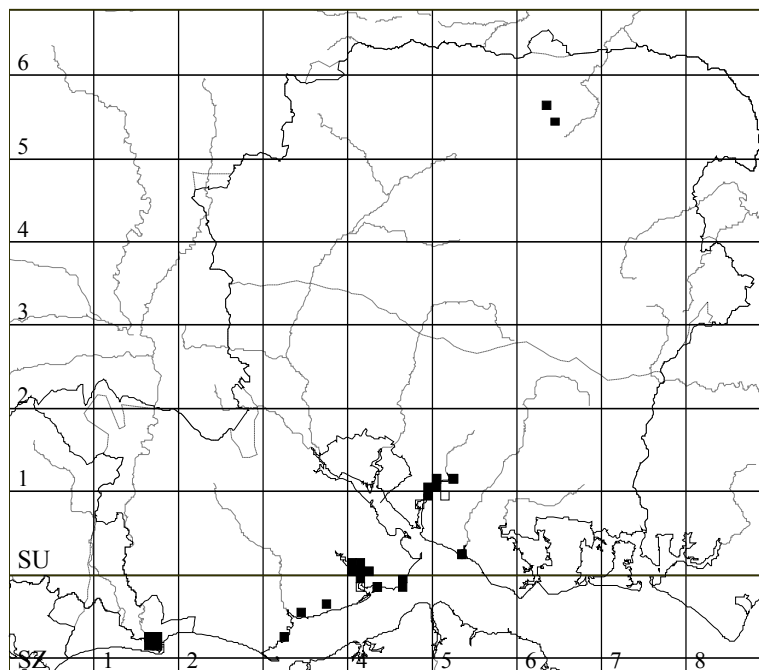
Native

It has been suggested that the hybrid is ousting the parent species *A. bulbosus* in Hampshire, but more research would be needed to establish this.

Wick Meads	SZ1591, SZ1592, SZ1691, SZ1692	2007		
Wick Meads	SZ158922	01-Jul-91	RMW	SZ158922 – 160922. Brackish wet meadows on S side of tidal river. Locally very abundant.
Wick Meads	SZ159919	19-May-07	MR & HFG	At SZ1597 9192. Rare.
Solent Meads, Wick Wick Meads	SZ160919 SZ160922	01-Jul-91 01-Jul-91	RMW RMW	See above.
Stanpit Marsh	SZ1691	1985-1991		
Stanpit Marsh, South Marsh	SZ169917	1985	RMW	Stanpit Marsh, South Marsh. Conf. PJOT 1986.
Stanpit Marsh	SZ169918	17-Mar-89	RMW	
Keyhaven	SZ3091	1999		
Keyhaven	SZ304916	16-Jun-99	MEY	Det RMW.
Lower Test	SU3613	1999		
Lower Test NR	SU367136	1999	CC	
Lower Test	SU3614	1978-1996		
Lower Test NR	SU3614	01-Jul-96	NAS	
Lower Test NR, Testwood	SU363144	20-Jun-78	RPB	[c.SU362143 – 363145 indicated. DRA]. <i>A. bulbosus</i> form. Brackish pasture subject to tidal flooding on Springs. Regularly grazed by cattle. 1 st VC Record Watsonia 16:198
Lower Test NR, Nursling	SU368145	19-Jun-78	RPB	[Grid ref. from map on <i>A. bulbosus</i> form. 5 patches indicated, SU368147 – c.368-9 145. DRA] Brackish pasture subject to tidal flooding on springs. Periodic grazing by cattle. 1 st VC Record Watsonia 16:198
River Test, Lower Test NR, Nursling	SU368146	19-Jun-78	RPB	See above.
Lower Test NR	SU368147	19-Jun-78	RPB	See above.

N Hants: Not Recorded

National Status: Scarce, Native



S Hants: Infrequent

Native

Banks of estuaries and creeks in brackish coastal situations. Generally intolerant of grazing although surviving on the pony- and cattle-grazed Stanpit Marsh.

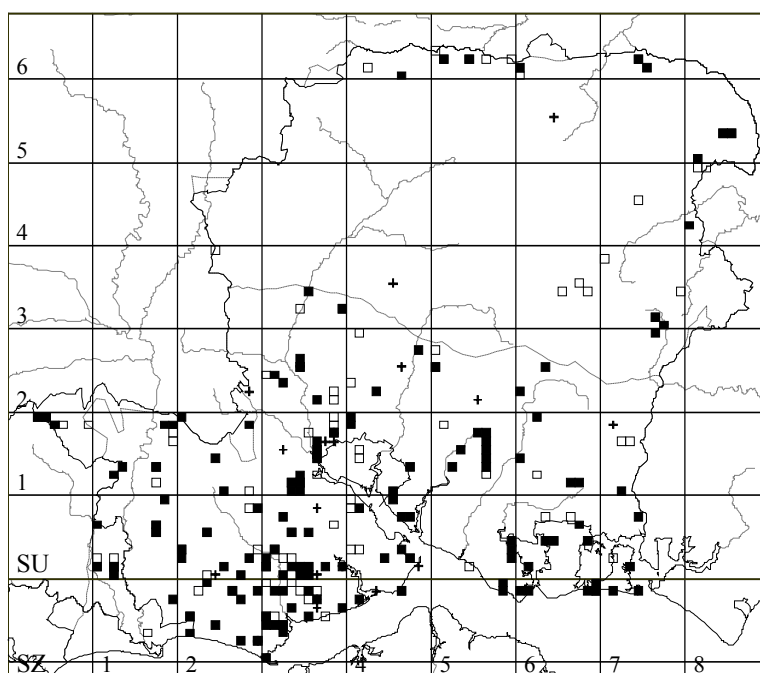
N Hants: Rare

Neophyte

Whilst native in VC11, its natural saline habitat of upper tidal marshes does not occur in VC12 and there it has been artificially introduced.

The Vyne The Vyne, NE of Sherborne St John	SU6356 SU635567	2001 09-Aug-01	PJSe	A single self-sown plant, SU6350 5679, on opposite side of a path from a colony originally planted in 1995 beside the lake.
Chineham Chineham Business Park	SU6454 SU649546	2007 Jul-07	ACI	Many hundreds of flowering plants and seedlings in a wet hollow on the edge of the Business Park at SU6494 5466 (later found to have been sown here as wildflower seed).

National Status: Near Threatened, Not Scarce, Native
EC CITES



S Hants: Not Ranked

Native

Still widespread although declining. There are just a handful of sites with populations in four figures.

N Hants: Infrequent

Native

The map demonstrates the serious decline in this species as its habitat has progressively been destroyed. It requires grassland on relatively poor soils that give a short turf, and it cannot tolerate fertilisers. The surviving sites tend to be airfields, churchyards or disused gravel-pits left to recolonise naturally.

Antennaria dioica (L.) Gaertn.

Mountain Everlasting
1883-2008

National Status: Not Scarce, Native

S Hants: Rare

Native

Also recorded between 1913 and 1939 on downland near Beauworth (SU5525 or SU5526) that may be in either VC11 or VC12. Despite the discrepancy in grid references, only one patch is known.

Martin Down	SU0518	2000-2008		
Martin Down	SU052187	07-Jun-08	MR & HFG	12 flowering spikes at SU0528 1878.
Martin Down	SU054188	03-Jun-04	WBS	1 flowering spike, 2 non-flowering plants. EN warden Linda Smith is aware of site.

N Hants: Extinct

Native

Only recorded at Swarraton 'a considerable patch', in 1883.

National Status: Endangered, Not Scarce, Archaeophyte**S Hants: Scarce, Declining**

Archaeophyte

Now reduced more or less to the status of a casual. There are further records from the mid 19th century until the 1960s near Christchurch and across a swathe of country from Romsey to Fareham. Recent recording is complicated by the occurrence of the similar introduced species *Anthemis austriaca*, which is a constituent of 'wild flower' seed mixes.

Tidpit Common Down	SU0717	1986		
Bokerley Dyke, Rockbourne	SU1018	1999		
Bokerley Dyke East	SU100184	20-May-99	ILR	
Holdenhurst	SZ1395	2005		
Holdenhurst STW etc	SZ1395	Jul-05	RMW & JDCr	
Ellingham Cross	SU1408	1988		
Ellingham Cross, A338	SU147082	15-May-88	RPB	Disturbed soil in W verge, N of crossroads. Hb RPB 88/136/1. 1 much-branched flowering plant.
Nether Wallop	SU2834	1966		
North Houghton	SU3335	1968		
Halterworth, Romsey	SU3721	1966		
Bursledon	SU4710	2000		
Windover Roundabout, Bursledon	SU479109	15-Jun-00	PJSe	
Boorley Green	SU5014	1998		
Boorley Green	SU5014	1998	PS	
Durley	SU5116			
Durley	SU5116	1997	PS	
Blackdown, Upham	SU5322	1950		
Longwood Warren	SU5326	1952		
Beauworth	SU5624	1968		
Galley Down, Dundridge	SU5719	1998		
Galley Down	SU5719	1998	PS	
Lomer	SU5824	1999		
Warnford Plantation Lomer	SU588240	16-Oct-99	PJSe	
Lower Greville Copse, Hambledon	SU6617	1959		

N Hants : Scarce

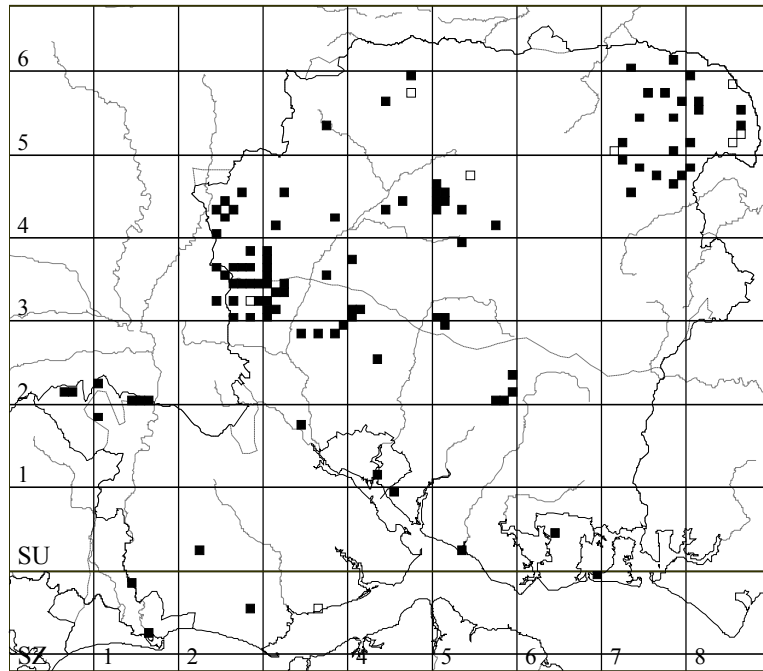
Archaeophyte

Like many other arable wild-flowers it now rarely persists for more than a year or two at any site. As in VC11, the recent introduction of *A. austriaca* in seed mixes has complicated recording and some plants initially recorded as *A. arvensis* have proved to be the impostor.

Quarley Down Farm	SU2441	1968		
Pillhill Brook, Abbotts Ann	SU3244	1963		
Chilbolton, E of	SU4039	1969		

Longparish, SE of	SU4343, SU4443	1969-2000		
Nr. Southside Farm, Longparish	SU438437	12-Jul-69	RPB	Cornfield on chalk, along track. Local, in fair quantity.
NW of Lodge Farm, Barton Stacey	SU440437	12-Jul-69	RPB	Cornfield along track. Local, in small quantity.
Longparish, Southside Farm	SU4443	06-Jul-00	BGo & JGo	Fairly frequent in conservation plots and along edge of cultivated field.
Worthy Down, Winchester	SU4535	1986		
Whitchurch, S of	SU4644	1968-1986		
Hunton Down Farm, Bullington	SU4941	1969		
Magdalen Hill, North Down	SU5029	2005		
Magdalen Hill, North Down	SU506292	16-Aug-05	ARGM	One plant at SU5066 2922.
Magdalen Hill, North Down	SU507293	16-Aug-05	ARGM	Specimen a small piece from a large plant at SU5072 2935. Another plant seen nearby at SU5066 2922.
SW of White Hill, Overton	SU5047	1969		
Near Swarraton	SU5736	1953		
Woodmancott, SE of	SU5742	1969		
Tichborne Down	SU5831	1988		
Tichborne Down	SU585310	04-Sep-88	ARGM	Hb.AB Specimen Bi2003.24.700. Arable field edge, 1 plant on bridleway.
Old Alresford	SU5833	1988		
Old Alresford	SU585337	09-Sep-88	ARGM	Hb.AB Specimen Bi2003.24.701, on farm track.
Steep	SU7325	1999		
Steep	SU7325	05-Sep-99	AHP	
Long Sutton	SU7345	1990		
Long Sutton, Vinney Plantation	SU737454	08-Jul-90	CRH	Field margin on south side of Vinney Plantation with plentiful Kickxia spp.
Long Sutton	SU7448	1990		
nr Stapely Down Farm, Long Sutton	SU743481	08-Jul-90	CRH	Several plants on field margins on both sides of lane. Specimen sent to AB, subsequently conf. FR.
Hawley	SU8558	1962		

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Not Ranked

Although a declining species, large populations still appear with some constancy on parts of the arable chalklands.

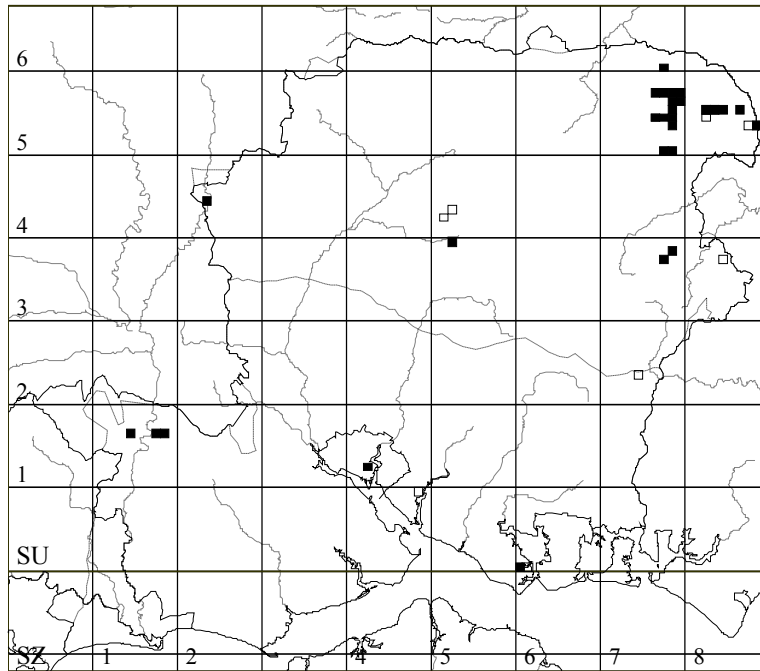
Archaeophyte

N Hants: Not Ranked

On arable field edges and on waste ground, usually on chalky or sometimes sandy soils.

Archaeophyte

National Status: Near Threatened, Not Scarce, Archaeophyte



S Hants: Scarce

Archaeophyte

Impersistent in South Hampshire.

Lower Burgate, Fordingbridge	SU1416	1987			
Lower Burgate, Fordingbridge	SU145162	16-Jul-87	JO		20-30 plants, at least, over 20m. Border between sown hay crop and field of peas, with other grasses. Hb. RPB. Watsonia 17 : 198.
Godshill	SU1716, SU1816	1989			
Godshill Inclosure, Woodgreen	SU176160	14-Jul-89	JO		E edge, on disturbed soil over new water main. Widespread, frequent.
Godshill Inclosure, Woodgreen	SU179164	14-Jul-89	JO		See above.
Godshill Inclosure, Woodgreen	SU180164	14-Jul-89	JO		See above.
Godshill	SU1816	1989			
Godshill Inclosure NE, Woodgreen	SU184169	14-Jul-89	JO		E edge, on disturbed soil over new water main. Widespread, frequent.
Bursledon	SU4809	1963			
Forton, Gosport	SU6000	2004			
Forton Recreation ground	SU603007	11-Jul-04	JAN & DRA		SU60310073, one plant, 2 stems, disturbed area (spotted by JAN).
Gosport	SU6100	1963			
Petersfield	SU7423	1983			

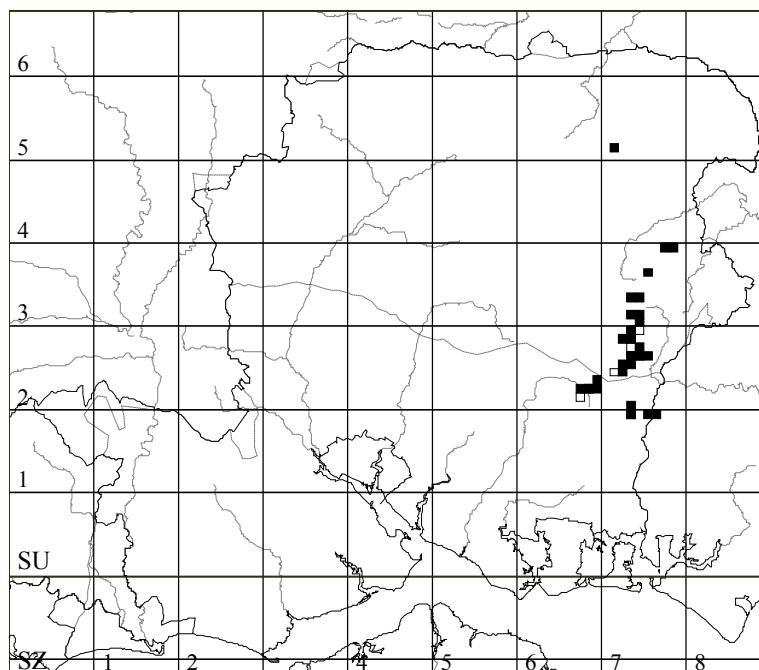
N Hants: Infrequent

Archaeophyte

Tends to prefer dry sandy arable fields, especially around Hartley Wintney, where it can be abundant and persistent.

***Arum italicum* Mill. subsp. *neglectum* (F. Towns.) Prime Greater Lords-and-ladies**
1909-2009

National Status: Near Threatened, Scarce, Native



S Hants: Scarce

Native

Native records in South Hampshire are confined to the South Downs. The introduced subsp. *italicum* occurs widely as a garden escape or throwout.

Duncoombe Wood, East Meon	SU6721	1974-2001		
Duncoombe Wood	SU673212	23-Nov-01	NJ	26 plants.
East Meon	SU6722, SU6822	1998-2001		
East Meon	SU679222	23-Nov-01	NJ	Churchyard.
East Meon Churchyard	SU679223	23-Nov-01	NJ	
East Meon Churchyard	SU680222	23-Nov-01	NJ	
East Meon Churchyard	SU680223	23-Nov-01	NJ	
Vineyard Hole, East Meon	SU6822	1974-2001		
Vineyard Hole, East Meon	SU686224	23-Nov-01	NJ	98 plants, N side of road to E of Hole.
Rookham Copse	SU6922, SU6923	1974-1998		
Rookham Copse, East Meon	SU696229	11-Dec-98	GJ & NJ	
Rookham Copse	SU695230	07-Dec-74	RPB	Foot of moist slopes along new ride. Locally frequent.
Rookham Copse, Langrish	SU696232	07-Dec-74	RPB	Foot of moist slopes along new ride. Locally frequent.
Rookham Copse, East Meon	SU696233	11-Dec-98	GJ & NJ	
Buriton area	SU7220, SU7320	1990-2001		
The Hendry	SU729202	23-Nov-01	NJ	40 S of track.
The Hendry	SU730203	23-Nov-01	NJ	100+ N of track.
Queen Elizabeth Country Park	SU733204	21-Aug-98	FR	Locally frequent.

Fagg's Farm, Buriton Fagg's Farm	SU7319 SU731194	1988-1998 12-Apr-98	JRWH	One small clump standing out with larger, paler leaves having pale veins and wrinkled surface. Leaves only 17cm. Spathes half eaten by deer. Not found 1991 (NJ)
Appleton's Copse, Buriton Appleton's Copse, Buriton	SU7319 SU736198 SU737198	1988-2001 14-Nov-01 14-Nov-01	NJ NJ	
The Miscombe The Miscombe	SU7519 SU7519	2005 23-Jan-05	MR	Scattered but with a concentration towards the foot of the scarp hanger at SU755197.

N Hants: Infrequent

Native

A botanical feature of the Wealden Edge hangers on the chalk, usually towards the foot of escarpments on loamy consolidated screes or in the valley bottoms. The hybrid *A. italicum x maculatum* was recorded by AB in 1964 at the road junction outside Ashford Lodge, SU746266.

Astragalus danicus Retz.

Purple Milk-vetch
1940-2004

National Status: Endangered, Not Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Not Recorded

N Hants: Rare or Extinct

Native

Possibly now extinct in Hampshire though conservation action is planned to erect a rabbit-proof fence at the Shipton Bellinger site. One extant site formerly regarded as in VC12 has been shown recently to be just 7m into VC8 at SU2175 4639. Remarkably plentiful only 2km west of there within VC8.

Dunch Hill Dunch Hill	SU2048 SU209485	1970-1988 1988	RPB	Just 30m NE of a mature beech at a cross rides, and just on the north side of the golf course fence. 6 strong flowering plants in a 2m x 1m plot. [Searched for but not re-found since].
Near Tidworth Golf Course, VC12	SU2148	1980		
Shipton Bellinger Perham Ranges, small grassland patch W of Shipton Plantation	SU2345, SU2445 SU239458	1970-2004 08-Jun-04	JRM	Refind of population originally found by RPB. 9 at SU 2391 4584, 20 at 2390 4584. Small non-flowering plants grazed by rabbits. [Searched for unsuccessfully in 2006, 2007 and 2008.]
Shipton Bellinger beechwood	SU239459	10-Jun-00	BGo & JGo	Rabbit-nibbled plants on bare chalky slope just W of wood. [Probably refers to site above.]
Danebury Down	SU3337	1940-1976		
Ashley Warren Down	SU4856	1981		

Astragalus glycyphyllos L.**Wild Licquorice****1873-2006****National Status: Not Scarce, Native****S Hants: Extinct**

Native

It has been searched for in the vicinity of the old (destroyed) Crookhorn site without success.

Southwick	SU6207	1963		
Crookhorn	SU6806, SU6807	1954-1963		

N Hants : Rare

Native

Searched for unsuccessfully by ARGM in July 2005 at its former sites at Lythe Hill and Monk Wood, and now apparently only surviving at one site.

Worthy Down	SU4735	1967-2006		
Worthy Down	SU478354	19-May-06	ARGM	1 at SU4789 3547 not yet flowering, all flowers over by 14 July 2006,
Worthy Down	SU479351	19-May-06	ARGM	7 plants in this 100m square, 1 at SU4798 3513, 5 at SU4799 3512, and 1 at SU4798 3512. Not yet flowering, but all flowers over by return visit on 14 Jul 2006.
King's Worthy	SU479352	16-Aug-01	PAB	One plant at disused railway, known site.
Worthy Down	SU479354	19-May-06	ARGM	3 at SU4790 3543. All flowers over by 14 July 2006.
South Wonston	SU479355	1967	RP	On old railway spoil-heaps. Conf. AB.
Lythe Hill	SU7224	1963		
Monk Wood	SU7439	1887-1964		

Atriplex longipes Drejer**Long-stalked Orache****1996-2007****National Status: Scarce, Native****S Hants: Rare**

Native

In a search of the recorded sites and their environs on both sides of the Beaulieu River in 2007, MR and BGo were able to find only a single plant that did not appear to be the hybrid (see below).

Keeping Copse	SU4000	1996-2007		
Buckler's Hard:	SU404008	22-Aug-07	MR & BGo	Single plant seen in Bolboschoenus / Elytrigia at back of marsh on woodland edge. Developing fruit with green, deltoid, smooth, untoothed bracts and pedicels about as long as bracts.
Keeping Copse,	SU405008	1996	PS & EJC	1 st VC Record.
Beaulieu				
Sims Wood	SU4001	1997		
Sims Wood	SU4001	01-Sep-97	RPB	Simms Wood, by Beaulieu River Conf JRA 9/11/98 2 nd VC Record Hb RPB.

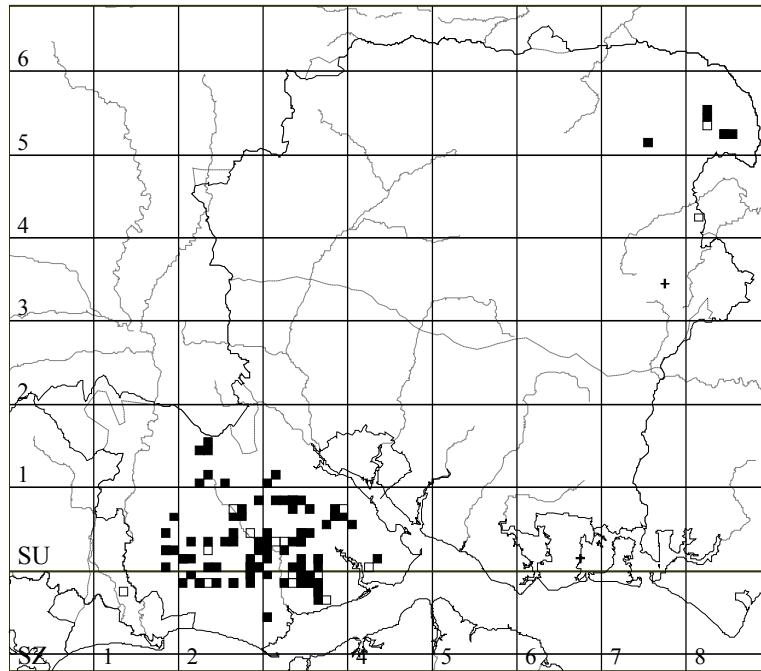
N Hants: Not Recorded**Atriplex x gustafssoniana Tascher.****Hybrid Long-stalked x Spear-leaved Orache****1996-2009****National Status: Unlisted, Scarce, Native****S Hants: Scarce**

Native

Much more frequent than the parent *Atriplex longipes* and perhaps in the process of replacing it. On the other hand, EJC has suggested that this and the usually recognised *A. longipes* might in fact all be the species, with the latter one extreme of variation within it.

Little Haven Little Haven	SZ1891 SZ183917	1997 03-Sep-97	RPB	Conf JRA 9/11/98.
Milford on Sea Rook Cliff, Milford on Sea	SZ2891 SZ282916	1996 01-Sep-96	MWR	This record predates the 1 st VC record by RPB in 1997, but specimen not returned until 2000.
Pitts Deep Tanners Lane, Pitts Deep	SZ3695 SZ368954	1997 13-Sep-97	RPB	Conf JRA 9/11/98.
Eling Totton Flyover	SU3612 SU362123	1997 05-Sep-97	RPB	Bartley Water Eling Conf JRA 9/11/98.
Keeping Copse Nr Keeping Copse Buckler's Hard: Keeping Copse Keeping Copse, Beaulieu	SU4000, SU4001 SU4000 SU404008 SU405008	1997-2007 31-Aug-97 22-Aug-07 22-Aug-07	RPB MR & BGo MR & BGo	Conf JRA 9/11/98 Hb RPB 1 st VC Record. At and around SU4045 0084, back of trees. Locally frequent. At and around SU4050 0083, back of marsh amongst Bolboschoenus etc. Quite frequent and quite variable, mostly with short pedicels.
Beaulieu River Keeping Copse	SU402010	22-Aug-07	MR & BGo	Around SU4024 0103 and SU4021 0105, variable (often on same plant) but with conspicuously large, more or less untoothed bracts, not mealy, and short pedicels. Locally frequent.
Badnam Creek, Bursledon Badnam Creek, Bursledon Badnam Creek	SU4808 SU482085 SU482086	2009 10-Sep-09 10-Sep-09	MR, EJC & GCo MR, EJC & GCo	In band along wooded back edge of marsh, E side of creek. In intermittent band along tree line at back of marsh, E side of creek and on Lincegrove side of promontory.
Frater, Gosport Gosport (Frater) Armament Depot	SU5903 SU598037	2004 12-Sep-04	JAN, DRA & EJC	Locally frequent in damp brackish area (part of linear gully).

N Hants: Not Recorded

National Status: Near Threatened, Not Scarce, Native**S Hants: Not Ranked**

Native

Widespread on the New Forest, rarely recorded off it and then not in over 70 years.

N Hants: Rare

Native

Declining, and lost from some sites, but survives for many years in the seed-bank. It has responded well to positive management at Fleet Pond and Eelmoor Flash, where the vegetation has been scraped off. Searched for unsuccessfully at Lodge Pond, ARGM 15 Aug 2005, where the water quality has deteriorated.

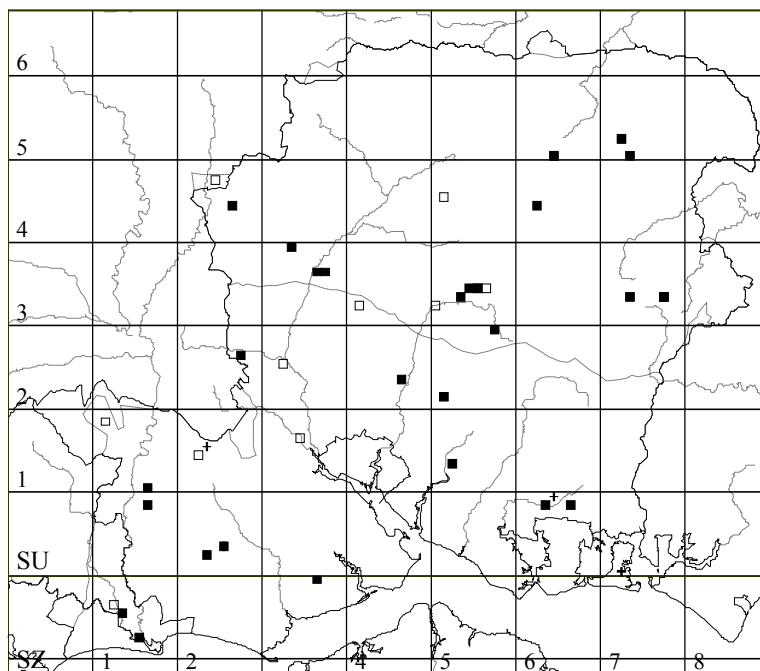
Dogmersfield Lake	SU7551	1987		
Dogmersfield Lake, Dogmersfield	SU758518	1987	CRH	On west shore, 3 plants in flower.
Oakhanger Pond	SU7734	1930		
Fleet Pond	SU8255, SU8254	1989-2010		
Fleet Pond	SU823551	15-Jun-10	CRH	On the eastern marshes where vegetation was stripped off in autumn 2008. Eight plants at SU8234 5514. Only a brief visit so probably more here.
Fleet Pond	SU824549	19-Jun-08	CRH	Coldstream Marsh, 13 plants in flower in shallow water where turf has been scraped, SU8249 5493 (8), SU8247 5494 (3), SU8248 5492 (2). Increased to 47 plants on 5 Jul 2008 as water fell.
Fleet Pond	SU824550	15-Jun-10	CRH	On the eastern marshes where vegetation was stripped off in autumn 2008. Five plants at SU8245 5509 and 32 plants at SU8244 5509.
Fleet Pond	SU824551	15-Jun-10	CRH	On the eastern marshes where vegetation was stripped off in autumn 2008. Eight plants at SU8243 5510.
Basingstoke Canal, Pondtail	SU8253	1974		

Basingstoke Canal, Eelmoor to Puckridge		SU8452, SU8552	1973-2010		
Basingstoke Canal, Eelmoor	SU840529	22-Aug-90	CRH	One plant by towpath to W of Eelmoor Flash.	
Eelmoor Flash	SU842527	30-Jul-10	ARGM & FJR	Several at SU8425 5280 and SU8422 5276 on the new scrape made late in 2009.	
Eelmoor Flash	SU842528	20-Aug-10	ARGM	Counted 65 young plants, with a few already up to flowering size, at SU8425 5281 in area scraped with a JCB last autumn. There are probably more small seedlings as I did not have time for a thorough search. [In 2011 it became clear that, although <i>Baldellia</i> was present, many of the '65 young plants' noted in 2010 were actually seedlings of <i>Alisma plantago-aquatica</i> - ARGM].	
Eelmoor Flash	SU843528	21-Jun-05	CRH	17 plants, margin of Eelmoor Flash, SU8426 5281 & SU8422 5275, more localised this year perhaps because water level is lower.	
Basingstoke Canal, Puckridge	SU845528	19-Aug-90	CRH	One small plant on non-towpath side in Puckridge Flash.	
Basingstoke Canal, Puckridge	SU845528	23-Aug-90	CRH	One in flower plus immature on towpath side.	
Basingstoke Canal, Puckridge	SU846528	23-Aug-90	CRH	Five plants, growing with <i>Littorella</i> and <i>Eleocharis acicularis</i> .	
Basingstoke Canal, Puckridge	SU847528	23-Aug-90	CRH	Three plants.	
Basingstoke Canal, Puckridge	SU847529	17-Aug-89	CRH	Eight plants in two groups of four in shallow water.	
Basingstoke Canal, Puckridge	SU848529	04-Sep-97	CRH	Two plants in same place as 1996.	
Basingstoke Canal, Puckridge	SU851527	11-Sep-90	CRH	One plant on towpath side near Claycart Flash.	
Alice Holt, Lodge Pond		SU8142	1958-1976		

***Berberis vulgaris* L.**

Barberry
1789-2010

National Status: Not Scarce, Native or Archaeophyte



S Hants: Infrequent

Native or Archaeophyte

Some records may be native relics but this would be hard to demonstrate in any particular case.

N Hants: Infrequent

Native or Archaeophyte

A hedgerow shrub and a co-host for wheat rust, *Puccinia graminis*, so many bushes have been destroyed in the past. Possibly sometimes bird-sown from gardens, where it is often grown. Up until 2010 this species qualified as Scarce in VC12, having ten sites with records after 1986 (mostly single bushes and one of those not seen after 1987). In 2010 another site was found (plus a further one amongst houses that was probably planted) so that the species now only qualifies as Infrequent. Consequently detailed records are not given, but as this is such a marginal case we prefer to retain the map rather than relegate Barberry to Appendix C.

Blasmus compressus* (L.) Panz. ex Link*Flat-sedge
1780-2010**

National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Rare

Native

There are also historic records from several spots in the Itchen Valley, where it should be searched for; and at Rudley Mill, Soberton, where the site is lost through habitat degradation.

Breamore Ponds	SU1571	1962		
Howen Bottom	SU2214, SU2315	1964-2008		
Howen Bottom, Fritham	SU229149	16-Jul-89	RPB	Iron-rich basic flush and sphagnum bog, locally very plentiful.
Howen Bottom, Fritham	SU230150	23-Jun-08	MR	c. 150 flowering spikes at SU2300 1503 – SU2300 – 1504. c. 50 flowering spikes at SU2302 1507 – SU2302 1507. Odd flowering spikes at SU2306 1507, SU2307 1508 and SU2308 1508.
Roke Farm	SU3131	2000		
Roke Fm Water Meadow	SU319318	28-Jul-00	ILR	Abundant in small flushes N side of stream.
Houghton	SU3331	1966		
Bishops Waltham Moors	SU5616	1986		

N Hants : Scarce

Native

Requires very short grassy vegetation in calcareous fens or in basic flushes, nowadays a rare habitat. Lost from many sites, but responds well to sympathetic management as at North Warnborough.

Mullenspond, Thrupton	SU2945	1965-2006		
Mullenspond, Thrupton	SU295457	22-May-65	RPB	Specimen Bi 1999.155.2927 in Hb.RPB, annotated 'Marshy meadow, Thrupton, Hants, N' [Grid ref. and site name from version of record in VC12 Card Index.] [ARGM searched unsuccessfully for it on 25 Jun 2009 but did find <i>Eleocharis uniglumis</i>].
Mullen's Pond	SU296458	14-Jun-06	ILR	HBIC record. At SU2960 4585.
Chilbolton Common	SU3840, SU3940	1958-2008		
Cilbolton Common	SU387402	31-Jul-85	IM	HBIC record.
Chilbolton Common	SU388400	21-Jun-08	MR & GCE	At SU3889 4000 and SU3888 4001.
Chilbolton Common	SU389400	21-Jun-08	MR & GCE	In short to medium turf at SU3894 4009 and from SU3893 4005 to SU3893 4002, also SU3891 4008.
Chilbolton Bottom, Andover	SU389401	1964	SNHS	
Chilbolton Common	SU390400	25-May-02	BGo & JGo	In meadow beside River Test.
Bransbury Common	SU4141	1986		

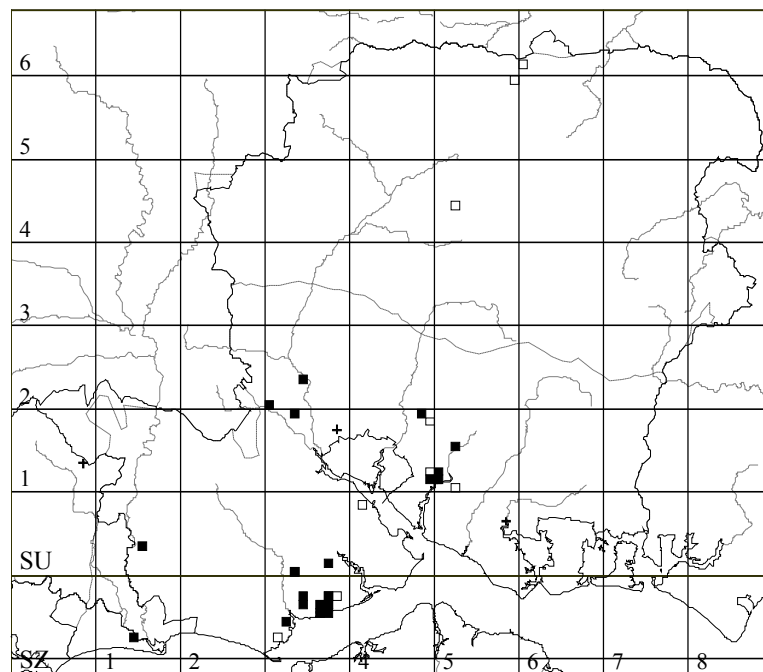
Lower Farm Meadow	SU4244	1986		
Lower Mills Meadow	SU4344	1986		
Longparish	SU4444	1966-1987		
East Aston Common	SU444449	18-Aug-87	ENa	HBIC record.
Aston Common,	SU446447	09-Jul-86	FR	Frequent in shorter turf.
Longparish				
R. Test, NE of	SU446449	27-May-66	RPB	Boggy grass near river bank. Locally in fair quantity.
Longparish				
Itchenstoke, E of	SU5632	1986-1994		
Itchen Stoke Mill	SU5532	10-Jul-86	WF, DCle & FR	2x2m in hollow; very local in short turf.
Meadows				
Itchenstoke, E of	SU567325	1994	JRow	Wet meadow where River Candover meets River Itchen. Hb.AB.
New Alresford	SU5731	1964-1997		
New Alresford, W of	SU574317	01-Jul-97	ARGM & DBr	SU574½317, small fen between two branches of stream.
Nr Titchborne Park,	SU576316	28-May-67	RPB	N of Titchborne, near New Alresford. Fen in rough pasture. Local in fair quantity.
New Alresford				
Basing Marshes	SU6552, SU6653, SU6654	1941-1963		
Mapledurwell Fen	SU6752	1970-1992		
Mapledurwell Fen	SU677523	1992	AJPB & ARGM	[Not refound ARGM 5 Jun 2008].
Mapledurwell Fen,	SU678523	14-Oct-70	FR	In calcareous marsh.
Hatch				
Andwell Marshes	SU6852	1963		
North Warnborough	SU7251, SU7252, SU7351, SU7352	1960-2010		
King John's Meadow,	SU724516	1995	AJPB	In fen on S side of River Whitewater. [Not refound 2008 ARGM.]
North Warnborough				
North Warnborough	SU7252	10-Aug-00	BGo & JGo	
Ford of River	SU728519	16-Jun-60	AWW	Specimen Bi1986.1.1279 in Hb.AWW, labelled with site name and map ref by AWW himself so clearly beside the ford, and not at the extant site (in 2008) 100m to 400m further east. [Not refound by ford in 2008 by ARGM.]
Whitewater, North				
Warnborough				
Warnborough Green	SU728519	15-Jun-10	MBer	Dozens on trodden grassy path at SU72896 51963. [Clearly different from the site above. Within GPS accuracy, same spot as next record]
Warnborough Green	SU729519	02-Jun-08	ARGM	1,500 spikes in patch only 4m x 2m at SU7290 5196. Total of 4,500 spikes estimated for whole of the south meadow.
Warnborough Green,	SU730519	02-Jun-08	ARGM	1,000 spikes estimated within this 100m square at SU7303 5199, 7304 5199 and 7305 5199. . [Refound MBer 15 Jun 2010 but record less detailed]
Odiham				
Warnborough Green	SU730520	02-Jun-08	ARGM	1,000 spikes estimated within this 100m square at SU7304 5200, 7305 5200, 7305 5201, 7306 5202 and 7307 5202. . [Refound MBer 15 Jun 2010 but record less detailed]
Warnborough Green,	SU731520	02-Jun-08	ARGM	1,000 spikes estimated within this 100m square at SU7312 5203, 7313 5203, 7313 5204, 7313 5205, 7314 5205 and 7311 5204. . [Refound MBer 15 Jun 2010 but record less detailed]
North Warnborough				

Brassica oleracea L.**Wild Cabbage**
1978-2005**National Status: Scarce, Native and Non-native****S Hants: Rare**

Neophyte

Recorded occasionally as a presumed introduction, although it may have arrived on new dunes at Hengistbury Head by natural means. Also recorded from Buckland (SZ39D) and Lymington (SZ39H). Blatant agricultural relics have been excluded.

Hengistbury Head New Dunes, Hengistbury Head	SU1790 SZ178904	1993 12-Jun-93	FAW	Site as: Hengistbury Head. 'One large much-branched plant with many seed heads', comm. FAW 8.10.93. In trough between two sand dune near long groyne, on new dunes. Source: Hb. FAW. Expert: HJMB.
Rook Cliff, Milford on Sea Rook Cliff, Milford on Sea	SZ2791 SZ277917	1988 1988	RPB	Gravelly bank below top of Rook Cliff. Several large plants, origin uncertain.
Romsey area Romsey Area	SU3620 SU3620	1997 30-Jun-97	RMV	
Portsdown, Paulsgrove	SU6306, SU6406	1977-1984		

N Hants: Not Recorded**Briza minor L.****Lesser Quaking-grass**
1835-2010**National Status: Scarce, Archaeophyte****S Hants: Infrequent**

Archaeophyte

Persistent in a few areas (most notably Sowley), where numbers can fluctuate enormously from year to year.

N Hants: Rare or Extinct

Archaeophyte

Has occurred in the past as a cornfield weed on sandy soils, or once on the disturbed bare chalk of Micheldever Spoil Heaps, but has failed to persist long anywhere and is now probably extinct in VC12.

Micheldever Spoil Heaps	SU5244	1978	
Pamber Green, W of	SU5959	1962-1974	
Tadley	SU6061	1979	

***Bromus hordeaceus* L. subsp. *ferronii* (Mabille) P.M.Sm. Least Soft-brome
1895-2007**

National Status: Scarce, Native**S Hants: Scarce**

Native

Some of the material from SE Hampshire seems atypical particularly in having glabrous lemmas, and the taxon deserves critical review in Hampshire.

Southbourne Belle Vue Rd. etc.	SZ1491 SZ1491	2007 31-May-07	RMW	
Hordle Cliff Hordle Cliff Hordle Cliff	SZ2692 SZ261923 SZ2692	1975-2004 1975 24-May-04	CDD BGo & JGo	Cliff Top. 1 st VC Record, Hb AB Det AM. Along cliff top.
Needs Ore Point	SZ4297	1978		
Browdown Ranges South Browdown (Ranges) S Browdown Ranges SSSI	SZ5798, SZ5799 SZ576990 SZ578989	2002-2007 19-May-04 26-May-07	JAN & DRA MR, JAN & DRA	SZ5760999044. Rare here, but locally frequent, and far more frequent to east of here. Present on the rough grassy mound and the remaining bit of short turf just behind the high- tide/shore line on the 'edge' of the site.
Gilkicker Point Gilkicker Point	SZ6097 SZ604976	2007 02-Jun-07	BSBI	To be confirmed.. Specimen Hb MR.
Gunner Point, Hayling Gunner Point, Hayling Island Sinah Common	SZ6999 SZ692990 SZ694993	1978-1988 04-Jun-88 01-Jun-78	RPB FR	Stabilised sand dune turf. Hb RPB Det PJOT.
South Hayling	SZ7098	1976		
Sandy Point, Hayling	SZ7498, SZ7598	1980		
Black Point, Hayling Hayling Island Sailing Club	SZ7599 SZ750990	2000 06-Jun-00	RMW	

N Hants: Not Recorded

***Bromus hordeaceus* L. subsp. *thominei* (Hardouin) Braun-Blanq. Sand Soft-brome
1975-2004**

National Status: Scarce, Native**S Hants: Scarce**

Native

A critical taxon which may have been confused with the hybrid *B. x pseudothominei* (itself a disputable taxon) at times. Hampshire records deserve critical review; a record from Browdown (SZ5798) has been

omitted here as it may refer to a glabrous form of either subsp. *hordeaceus* or subsp. *ferronii*. The Lower Test record (SU3415) also seems surprising.

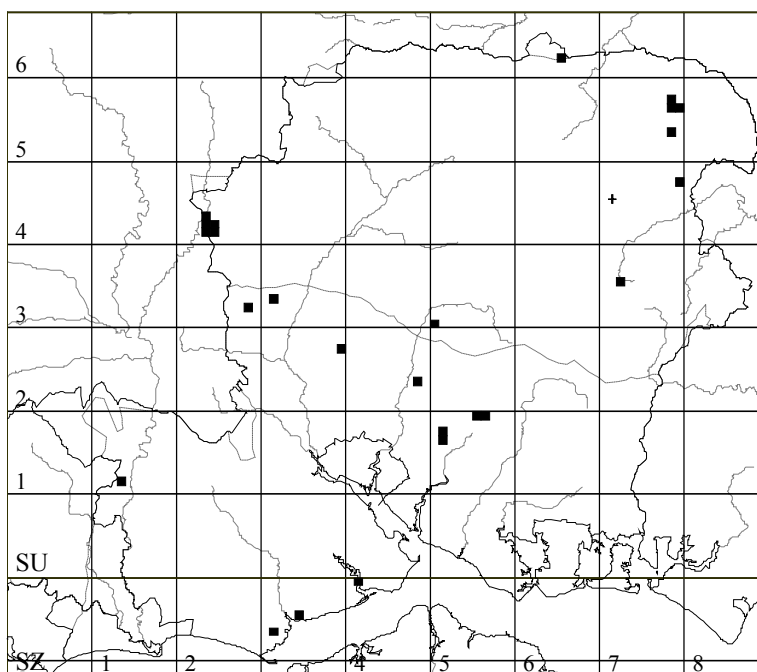
Becton Bunny Side of Becton Bunny Beckton Bunny	SZ2592 SZ254925 SZ2592	1989-1998 16-Jul-98 1989	VS RPB	Conf RPB. Cliff top, Hb RPB Det PJOT.
Hordle Cliff Hordle Cliff	SZ2791 SZ2791	1993 1993	RPB	Hb RPB.
Lower Test, Nursling	SU3415	1975		
Stansore Point	SZ4698	1986		
Sinah Common, Hayling	SZ6999	1977-1978		
South Hayling Beachland, Hayling Island	SZ7098 SZ708989	2004 05-Jun-04	BGO & JGO	On heap of sand.
Westfield, Hayling Westfield Beach	SZ7198 SZ717988	1993-1997 13-May-97	ILR	
Eastoke, Hayling	SZ7398, SZ7498	1977		

N Hants: Not Recorded

***Bromus secalinus* L.**

Rye Brome
1837-2010

National Status: Vulnerable, Scarce, Archaeophyte



S Hants: Infrequent

After a disappearance for nearly 60 years, there are signs of some revival of fortune in the last decade.

Archaeophyte

N Hants: Scarce

A cornfield weed, in general much decreased since the 19th century, but doing particularly well at one site, where the farmer, Henry Edmunds, uses non-intensive farming methods.

Archaeophyte

Cholderton Estate	SU2341, SU2342, SU2343, SU2441, SU2442	2002-2006		
Cholderton Estate, field west of Quarley Down Farm	SU236416	24-Jul-02	JRM	c.500 plants spread all over field of oats as a grain contaminant.
Cholderton Estate, field spanning VC8/12 border, nr Home Farm	SU232427	24-Jul-02	JRM	c.500 spread all over field of oats as a grain contaminant.
Cholderton Estate, field 400m north of Home Farm	SU235433	30-Jun-03	JRM	c.100 plants spread amongst hay crop.
Cholderton Estate, field near Eight Acre Copse	SU247414	24-Jul-02	JRM	c.500 plants spread all over field of oats as a grain contaminant.
Cholderton, Quarley Down Farm, Fields E	SU242417	25-Jul-06	JRM	Many thousands throughout fields amongst oats, occurs amongst the farmer's self-saved seeds.
Field in Cholderton Park, 500m NW of lodge, Cholderton Estate	SU244425	28-Jul-04	JRM	
Easton	SU5030	2008		
Easton	SU508305	13-Jul-08	GFa	About a dozen plants in the corner of a wheat field close to the road, viewed from a gap in the hedgerow.
Silchester	SU6562	2010		
Silchester	SU652624	19-Jul-10	ARGM & WGH	Locally abundant in corn crop at SU6524 6249.
Silchester	SU653624	19-Jul-10	ARGM & WGH	Locally abundant in corn crop at SU6530 6247.
South Warnborough	SU7145	1942		
Upper Farringdon, E of	SU7235	2007		
Norton Farm, Upper Farringdon, E of	SU721357	06-Jul-07	ARGM	Hb. ARGM confirmed TAC 16 Aug 2007. Locally plentiful, c.100 plants, at SU7219 3572 on arable field margin.
Dogmersfield	SU7853	1998-2001		
Dogmersfield	SU787534	15-Sep-01	BGo & JGo	One fruiting plant plus a few others along path at edge of field, SU7872 5349.
Elvetham	SU7856, SU7857, SU7956	2001		
Elvetham Estate	SU782572	01-Jul-01	ILR	On farm trackway at SU7829 5729.
Elvetham Farm, Hartfordbridge	SU783573	15-Sep-01	BGo & JGo	Occasional along side of track.
Elvetham Estate	SU789563	01-Jul-01	ILR	At Old Rectory at SU7894 5636.
Word Hill Farm, Elvetham	SU792569	01-Jul-01	ILR	Arable field margins at SU7920 5695.
Crondall, S of	SU7947	2009		
Crondall, S of	SU795476	16-Jul-09	ARGM, WGH et al	A few plants at crop edge at SU7959 4762, though the <i>Bromus commutatus</i> found nearby earlier had been mown off.

***Bupleurum tenuissimum* L.**

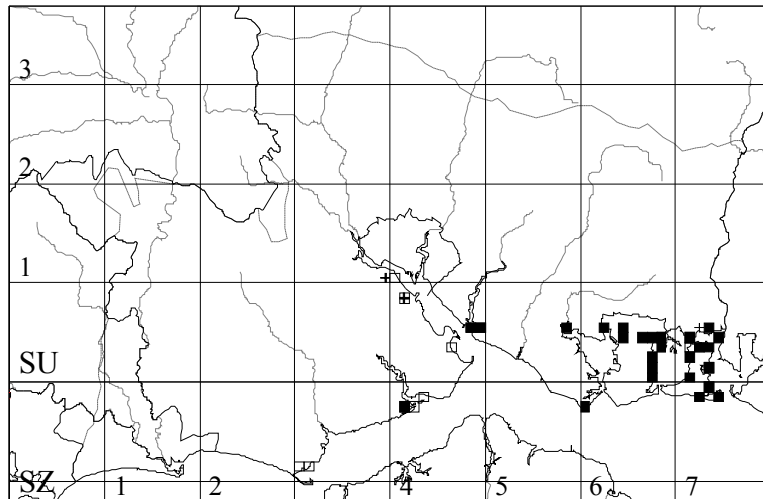
Slender Hare's-ear
1836-2010

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Infrequent

Native

A number of the older sites are known to have been lost to industrial or leisure development or sea defence work. In others (such as Ashlett Creek) it is worth searching for, being so easily overlooked.

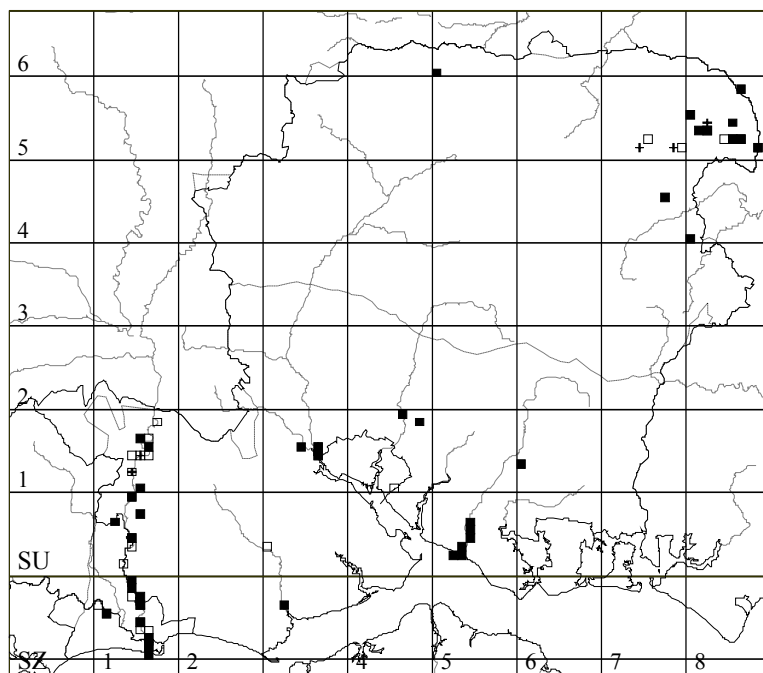


N Hants: Not Recorded

***Butomus umbellatus* L.**

**Flowering-rush
1837-2010**

National Status: Not Scarce, Native and Introduced



S Hants: Infrequent

Native and Introduced

Apparently showing some decline in its stronghold in the Avon Valley, but has not been the object of a targeted search.

N Hants: Scarce

Native and Introduced

Formerly quite plentiful along parts of the Basingstoke Canal, especially the Fleet to Aldershot section. Just prior to the dredging of that section in 1979 (done with all the water drained off), many hundreds of *Butomus umbellatus* plants, completely filling a dumper truck, were transplanted to Eelmoor Flash by ARGM & WHW *et al*, but they all died within a year or two. Only a few plants elsewhere survived the dredging. Some sites with only pre-1987 records are detailed to encourage further search.

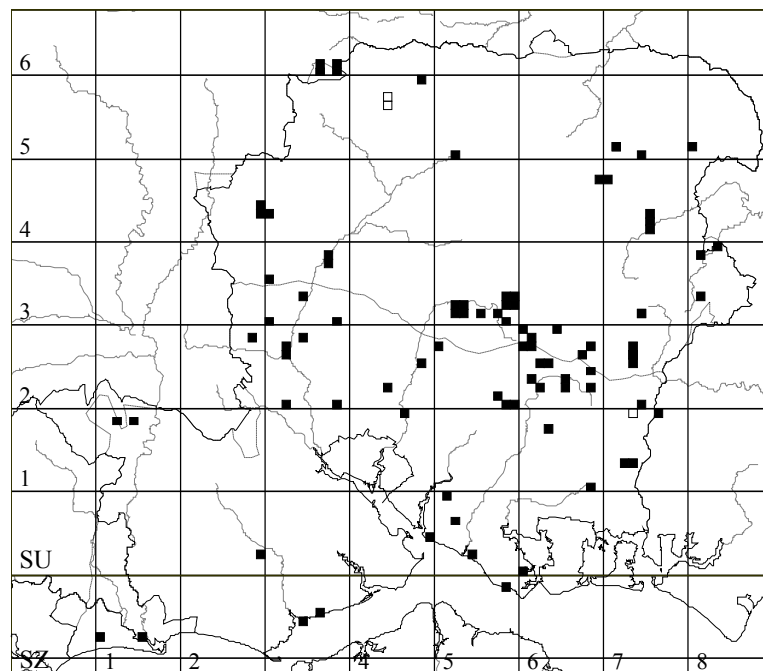
Ecchinswell Pond	SU5060	2003-2010		
Ecchinswell Pond	SU502606	11-Jul-10	PM	In large areas at edges village pond, presumably originally planted.
Ecchinswell Pond	SU503606	26-Jul-03	SPr	At SU5030 6068, but presumably planted.
Canal near Odiham	SU7451, SU7552	1954-1959		
Wilks Water, Odiham	SU7552	1961		
Isnage Farm, Froyle	SU7745	2009		
Isnage Farm, Froyle	SU771454	13-Aug-09		Planted at lower pond at SU7718 4548. Pond was dug in 2007.
Canal, Coxmoor to Crookham	SU7851, SU7951	1934-1977		
Alice Holt	SU8040	2005		
Alice Holt Forest, Goose Green/Straits Inclosure	SU803404	10-Jul-05	ARGM	1 in ditch amongst much <i>Scirpus sylvaticus</i> , SU8036 4043, land owner says the ditch was cleared out 18 months ago and nothing was planted (so presumably from buried seed).
Elvetham Heath	SU8055	2010		
Evetham Heath, Turners Pond	SU801554	24-Jul-10	ARGM	Several flowering clumps at SU8018 5541, presumably planted.
Fleet Pond, E end of	SU8254	1940-1956		
Canal near Fleet	SU8153, SU8253	1974-1996		
Canal near Fleet	SU8153, SU8253	1973-1996		
Basingstoke Canal, Fleet	SU816536	18-Jul-96	CRH	One non-flowering plant reappeared on 18 July 1996 (where not refound on 17 Aug 1992 following dredging the previous winter). Not refound on 26 Sep 1997.
Basingstoke Canal, Pondtail	SU822537	21-Aug-90	CRH	One plant W of Pondtail Bridge.
Basingstoke Canal, Pondtail	SU824537	11-Jun-87	MEP	One mature plant plus seedlings, to the east of Pondtail Bridge, found by MEP (of NCC) and then shown to CRH by AJB. Not refound CRH 23 Sep 1988.
Basingstoke Canal, Pondtail	SU825537	1977	ARGM	A few.
Basingstoke Canal, Pondtail	SU826536	1977	ARGM	One clump.
Eelmoor Flash	SU8452	1979		
Basingstoke Canal, Eelmoor	SU843528	1979	ARGM	Hundreds of plants were transplanted to Eelmoor Flash just prior to the dredging of the Fleet to Aldershot section, but they did not survive long.
Canal near Aldershot	SU8552, SU8652	1959-1997		
Basingstoke Canal, Puckridge	SU850528	23-Sep-88	CRH	One plant NW of Claycart Flash.
Claycart Flash	SU852527	19-Aug-90	CRH	Originally transplanted here from elsewhere on canal by ARGM and surviving.
Basingstoke Canal, Aldershot	SU855524	25-Aug-59	AWW	HB.AWW specimen in HCMS.
Basingstoke Canal, Rushmoor	SU856522	1977	ARGM	Large clumps.

Basingstoke Canal, Aldershot	SU860522	1977	ARGM	W of Wharf Bridge.
Basingstoke Canal, Aldershot	SU861522	04-Sep-97	CRH	Clump W of Wharf Bridge.
Basingstoke Canal, Aldershot	SU861523	1979	ARGM	Destroyed during dredging in 1979, but still hanging on elsewhere in the canal in a few spots.
Basingstoke Canal, Aldershot	SU862523	1977	ARGM	W of Wharf Bridge.
Basingstoke Canal, Aldershot	SU865523	27-Jul-95	CRH	Clump now reduced in vigour, not flowering. Not refound CRH 1 Oct 1996 or 4 Sep 1997.
Hawley Meadows	SU8658	2010		
Hawley Meadows	SU860589	13-Jul-10	CRH	Four stems in flower at SU8609 5892 on bank of River Blackwater near junction with Cove Brook. Not far from the car park.
Cove	SU8854	2007		
Cove	SU855548	24-Jul-07	CRH	Clump in Marrowbrook at SU8554 5486, growing with native species, but houses nearby.
Canal, Ash Embankment	SU8851	1966-2005		
Basingstoke Canal, Ash Embankment	SU881517	23-Aug-86	CRH	Clump on towpath side.
Basingstoke Canal, Ash Embankment	SU881516	23-Aug-92	CRH	Large clump NW of railway bridge.
Basingstoke Canal, Ash Embankment	SU882515	12-Aug-05	CRH	1m clump, at SU 8820 5155 and a smaller one at SU8821 5154.
Basingstoke Canal, Ash Embankment	SU883514	23-Aug-92	CRH	A large clump.
Basingstoke Canal, Ash Embankment	SU884514	23-Aug-92	CRH	A large clump.

***Buxus sempervirens* L.**

Box
c. 900 – 2010

National Status: Rare (as native), Native and Introduced



S Hants: Not Ranked

Introduced

There is little evidence that any extant South Hampshire sites are native, although Rackham (1986) points out that Box is mentioned as a boundary tree in an Anglo-Saxon charter for East Meon.

N Hants: Rare (as native), Not Ranked

Native and Introduced

It is difficult to assess whether its sites are native as it has often been planted in woods as game cover. However, FR in the 1996 *Flora*, considered the bushes to be native on the almost inaccessibly steep scarp of Noar Hill Hanger SU749317, where it is still extant. He also wrote that a bush on the steep slope of Ashford Hanger SU735266, may be native.

Calamagrostis canescens* (F.H.Wigg.) Roth*Purple Small-reed
1859-2010****National Status: Not Scarce, Native****S Hants: Scarce**

Native

Its stronghold remains the Alver Valley area of Gosport. Although undoubtedly lost from a few stations, it is worth searching for in other sites as it is easily overlooked.

Week Common	SZ1399	1978		
Holmsley	SU2300	1930		
East Wellow / Ower	SU3018	1999		
East Wellow SE & Ower	SU3018	22-Jun-99	RMV	
White Moor, Matley Heath	SU3208	1963		
Rowbarrow	SU3504	1957-1970		
Sowley Brooms	SZ3696	1977-1985		
Chark Common	SU5701	1970-1976		
Alver Valley N	SU5700, SU5701, SU5801	2002-2009		
Halls Alders	SU575012	30-Apr-06	JAN & DRA	Locally frequent.
Alver Valley NW	SU576009	29-May-06	JAN	At edge of Carex riparia fen. Locally frequent.
Wild Grounds SSSI, NW	SU578011	31-May-09	JAN, DRA, EJC et al.	e.g. SU5782 0119, north of boardwalk at 'River View'. Dominant in 20 x 6m patch, & much more between old Alnus glutinosa trees.
Wild Grounds SSSI, N	SU578012	17-Oct-02	EJC & DRA	SU57850119 to SU57880125, dominant understorey vegetation from the most N'ly boardwalk for about 100m + N of it.
The Wildgrounds Woodland	SU580010	14-Feb-79	APNH	
Gomer Fen	SZ5899	1963-2010		
Gomer Pond Marshes, Gosport	SZ581993	25-Aug-84	RPB	Fen along pond / drain.
North Browndown S fen	SZ581994	20-Jun-00	JAN & DRA	SZ58149945 fen, near Cladium.
North Browndown S fen	SZ581994	30-May-02	JAN & DRA	S of the stream, with Phalaris arundinacea.
Browndown Common fen / Gomer Pond	SZ582994	16-Jul-10	DRA, JAN & EJC	SZ 5821 9945, fen, ?Frequent in the fen.
Browndown North	SZ583996	01-Aug-97	MJS	With C. epigejos.
Browndown N of A3333	SZ585995	31-Jul-99	EJC & PSe	Abundant in fen area – leaves only.
Gomer Marshes, Gosport	SZ585996	01-Apr-84	RPB	Levelled ground E side of river, very locally frequent.
Alver Valley S	SU5800	2000-2002		
West of the River	SU580003	03-Oct-02	EJC & DRA	Large patch, edge of pond, by trees, edge of reed bed, frequent (NE part of West of the River)
Carter's Copse S	SU586000	19-Apr-00	JAN & DRA	Appears abundant, but is in inaccessibly wet spot, fen, S side, N of the Car Park. C. canescens conf. as present by EJC on site in (2002?).

N Hants: Extinct

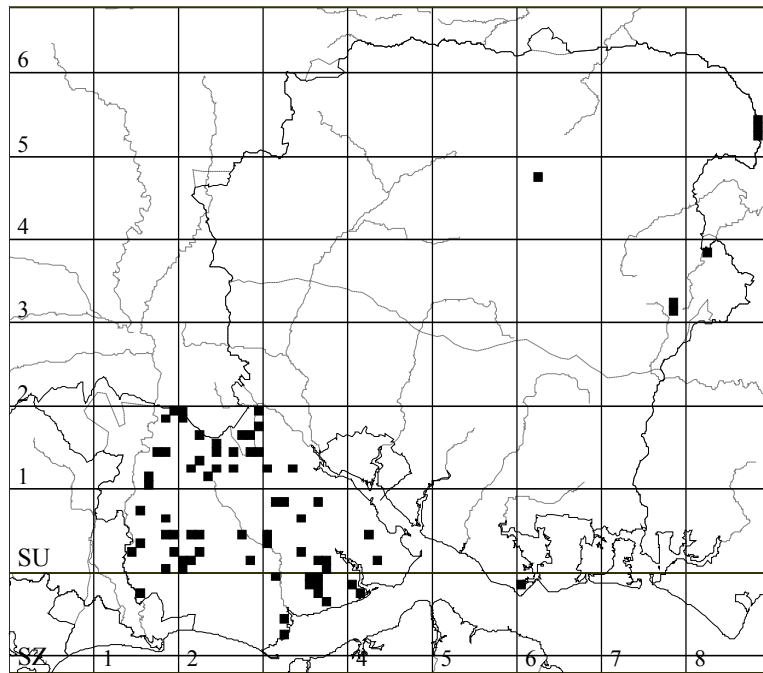
Native

Townsend (1883) gives three records from 1859 to 1861. These are: near Basing (SU65R), near Waterend (SU65W) and near Beaurepaire (SU65J). It has not been recorded since but could possibly survive in suitable marshes.

Callitriche brutia Petagna subsp. brutia

**Pedunculate Water-starwort
1886-2010**

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Widespread in the New Forest and possibly overlooked in other areas. It may not always be well distinguished from subsp. *hamulata* and its status deserves further review.

N Hants: Scarce

Native

In VC12 there are more records for what is here called subsp. *hamulata* than for subsp. *brutia*, but due to the considerable difficulty of segregating them, the sites need re-visiting. All the records were made prior to the availability of BSBI Handbook No.11, Lansdown (2008), to guide determinations. In that book these two taxa are treated as merely varieties of *C. brutia*.

Farleigh Wallop Broadmere Pond, Farleigh Wallop	SU6247 SU620474	1999 28-May-99	ARGM & DBr	
Woolmer Pond Woolmer Pond and heath to East Woolmer Pond	SU7831, SU7832 SU7831	1994 21-Aug-94	FR	
	SU788320	1994	FR	Dried bed of recently dredged pond.
Wishanger Wishanger	SU8238 SU820387	2003 14-Jun-03	ARGM	Gravel margin of R. Wey. Hb.ARGM det. RVHL 25 Oct 2004 as <i>C. brutia</i> s.l. and probably <i>C. brutia</i> var. <i>brutia</i> .

River Blackwater	SU8852, SU8853, SU8854	1987		
River Blackwater	SU8852	1987	JES	Abundant in River Blackwater, from Government Road, Ash Vale [SU885522] to Ramilles Park [SU886532] and occasionally beyond, to North Camp 8854 [885540]. Det. ACL tentative (no fruit). [Grid refs. inferred.]
River Blackwater	SU8853	1987	JES	See above.
River Blackwater	SU8854	1987	JES	See above.

***Campanula patula* L. Spreading Bellflower**
1664-1997

National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Extinct

Native and Introduced

John Goodyer's record from before 1664 at Petersfield is presumed native, and records from Woodgreen in the 1830s (SU11) and Wellow in the 1930s are probably so. It appears to have persisted at Petersfield until well into the 19th century, as there is an undated specimen collected by the Rev. G. E. Smith in the Aberystwyth University herbarium. Other records are casuals and there has been confusion with the introduced *Campanula rapunculus* in the county. The record at Peartree Green, Southampton was an undoubted introduction and it could not be refound there in 2008.

Pinns Farm, West Wellow	SU2920	1931	
Peartree Green, Southampton	SU4311	1997	
Peartree Green	SU437119	1997	PS

N Hants : Extinct

Native

Unlocalised records for Woolmer Forest, where it was certainly native, go back to Gilbert White in c.1780-1790. All the sites listed below are near Woolmer, as is an unlocalised one at Headley (near Bordon) in 1929.

Liss	SU7726, SU7727	1879-1982
Standford	SU8134	1979
Bramshott	SU8432, SU8433	1829-1847

***Campanula rapunculus* L. Rampion Bellflower**
1843-2010

National Status: Endangered, Rare, Archaeophyte
UK BAP Priority Species

S Hants: Rare

Probable Archaeophyte

There is a scattering of records from the south of the county from the mid nineteenth century onwards. Some earlier records are cast in doubt because of confusion with *Campanula patula*.

Avon, Sopley	SZ1497, SZ1597, SZ1498, SZ1598	1953-2010		
B3347 north of Sopley	SZ148982	29-Jul-78	RPB	Around and on banks on E, also W side road. Very local, c.50 plants.
Court Fm Avon	SZ149979	15-Jul-87	RPB & JO	B3347, E road verge. Very locally frequent, plentiful.
Nr B3347, Avon	SZ149980	31-Jul-10	EAP & DL	N of Sopley on the E side of the B3347 – we found 32 plants, 12 of them flowering, after having been mown – from SZ14949801 to 15019792, i.e. 90m N-S. The verge is mostly grass with only a little Bracken. The mowing is important – if it was not done the plants would be swamped. There are probably many more plants which we did not notice because they had been mown.
Avon, Sopley	SZ150979	31-Jul-10	EAP & DL	See above.
B3347 Court Fm Avon	SZ151978	1981	ARGM	W roadside, S of junction.
Court Farm, Avon	SZ151979	1981	ARGM	N hedgebank of minor road.
Nursling	SU3515, SU3516	1918-2010		
Nursling Gravel Pit	SU355159	07-Jul-81	RPB	Disturbed bare ground close to electricity pylon along SW track. VL c.12 plants in small patch.
Nursling	SU355160	1965	PHB	By track between R. Test & wood, small group on edge of wood.
Nursling Gravel pit	SU356160	08-Sep-80	RPB	Inside fence by willows along W track of old pit. Rare, 1 plant.
Nursling Gravel Pit	SU357162	01-Jul-53	RPB	Verges of track along NW border of old gravel pit. Local, fair quantity.
Nursling Gravel Pit	SU358162	Jul-68	RPB	'SU358162, etc.' Note on back of 01 Jul 1953 record card : '...Phenomenal increase in shallow pit and gravel banks outside N. hedge – 1,500 plants estimated July 1968 – prior to M27 construction. Since then rapid decrease. None seen 1976.'
Nursling Gravel Pit	SU358162	06-Jul-79	RPB	11.7.71 – 6.7.79 Bare gravelly soil at gap inside N hedge. L ... 10 plants 1979.
Nursling	SU359162	19-Jul-10	PM	9 plants. On both sides of Test Way.
Nursling	SU3516	25-Jul-99	GTh	
Test Lane, Nursling	SU3614	1979		

N Hants: Not Recorded

***Cardamine bulbifera* (L.) Crantz**

**Coralroot
1879-2010**

National Status: Scarce, Native and Introduced

S Hants: Rare

Neophyte

Only as an undoubted introduction. The Hilliers Arboretum population is also the garden form *ptarmicifolia*.

Hillier Arboretum	SU3723	1999-2002		
Hilliers Arboretum	SU378238	31-Mar-02	BGo & JGo	On bank in Arboretum near water gardens. Frequent.
Hillier Arboretum	SU379237	07-Apr-99	RMV	Specimen also in Hillier Herbarium.
Lords Wood	SU4017	2010		
Lords Wood, Southampton	SU403171	Apr-10	PAB & GMan	forma <i>ptarmicifolia</i> , in the centre of Lords Wood – in an old bomb crater well away from any garden, SU 40331715.

N Hants: Rare

Probable Neophyte

Both recent VC12 sites are the garden form *ptarmicifolia*. The native form *bulbifera* probably still occurs just 1km beyond the VC12 border in West Sussex at Hill Brow SU801262, where shown to ARGM by FR. A record for a "small copse near Preston Candover" in 1879 may have been the native form, though the 1996 *Flora* judges this as unlikely as it is geographically isolated from the plant's accepted native range.

Headbourne Worthy	SU4831	1984-2008		
School Lane, Headbourne Worthy	SU483319	1984	CPG	Road verge opposite grange. c.20 plants.
Headbourne Worthy	SU486319	16-Apr-08	ARGM	Reported by AMC on 31 Mar 2008. Abundant along verge of School Lane for over 100m. A specimen collected by ARGM on 16 Apr 2008, is the alien continental form, forma ptarmicifolia.
Headbourne Worthy	SU487319	1999	MFW	Side of lane towards Headbourne Worthy, well established.
West Liss	SU7728	2004-2005		
West Liss	SU779282	16-Apr-05	ESea	Single spike of forma ptarmicifolia on top of river bank c.10m downstream of bridge. [Different bridge and site from ARGM's record.]
West Liss	SU779286	21-Apr-05	ARGM	var. ptarmicifolia still at original site, SU77952860, where found by FR in 2004, near the footbridge, but 6 spikes hidden behind 2 recently installed reserve signs. 15m W of the bridge.

***Cardamine impatiens* L.**

Narrow-leaved Bitter-cress 1937-2006

National Status: Near Threatened, Scarce, Native

S Hants: Not Recorded

Records from Gosport and Hayling in the early 20th century have been discounted on grounds of implausibility and the lack of any voucher specimen.

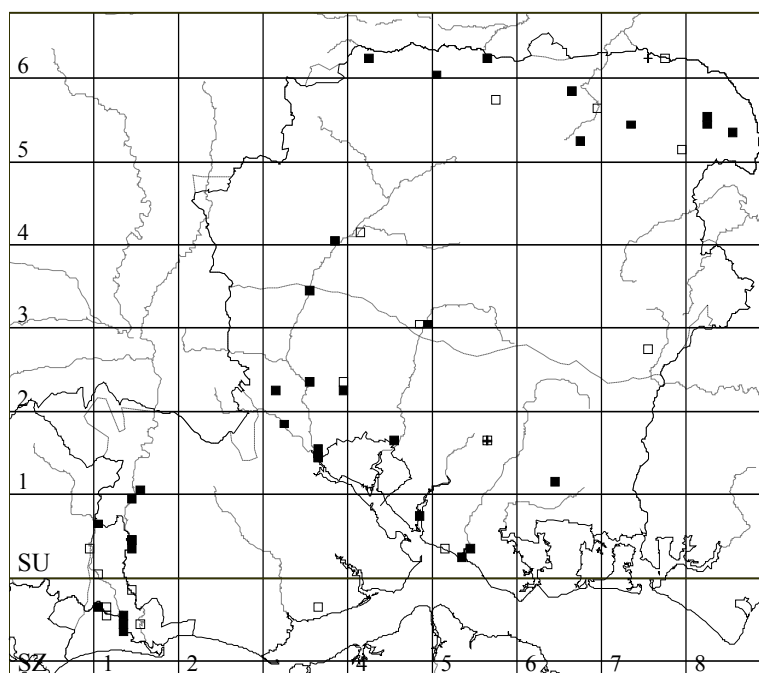
N Hants: Rare

Native

It is known to persist for many years in the seed-bank and then reappear following coppicing or woodland thinning. The site near Selborne was searched unsuccessfully by AB & FR in 1971 and by JAN and DRA on 17 May 2006.

Step Hanger, Langrish	SU7124	2006		
Step Hanger, Langrish	SU716241	08-May-06	JMil	8 plants at SU7163 2410 in open ancient woodland on very steep slope. [Searched for unsuccessfully ARGM 15 May 2010. Slope now overgrown with <i>Urtica dioica</i> due to fertiliser run-off from fields above.]
Milking Hanger, Selborne	SU7435	1937		
Catham Copse	SU7842	1938-1998		
Catham Copse	SU783423	1974	AB	
Catham Copse, Binsted	SU785423	1998	JRow	In recently thinned coppice. Hb.AB.

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Scattered in marshy pastures, carr and riversides mostly in the lower parts of river valleys.

N Hants: Infrequent

Native

A few thinly scattered sites in marshes and wet meadows. Possibly under-recorded, and may still be present at some sites where not recorded since 1987; for one, 1937 records are detailed to encourage further search. Several extra sites have been added from HBIC records, tipping the status from Scarce to Infrequent, but full records are included to encourage further search.

Chilbolton Common	SU3840	2006			
Chilbolton Common	SU389400	12-Jul-06	MR	Single tuft alongside drainage ditch at SU38974005.	
Bransbury Common	SU4141	1978			
Woolton Hill	SU4262	1999			
Woolton Hill	SU426620	14-Sep-99	ILR	HBIC record. In rank fen.	
Winnall Moors	SU4830, SU4930	1982-2001			
Winnall Moors	SU4830	06-Jun-82	AB	Hb.AB Specimen Bi2003.24.1167, in water meadow.	
Winnall Moors, north	SU490309	2001	ILR	HBIC record.	
Ecchinswell	SU5060	2003			
Ecchinswell- marshy grassland	SU509607	08-Jul-03	SPr	At SU5099 6074, det. DAP 4 Apr 2004, Hb.ARGM.	
Ashford Hill Meadows	SU5662	2001			
Ashford Hill Meadows, west	SU560620	28-Jun-01	ILR	HBIC record.	
Ewhurst Park	SU5757	1957			
Bramley	SU6658	1989			
Bramley Training Area	SU662584	15-May-89	CRH	Quite frequent in sedge beds north of Beau Brook, c.SU662584.	

Mapledurwell Fen Mapledurwell Fen, Mapledurwell	SU6752 SU677523	2006 30-Jun-06	NM	
Summerstead Farm Marsh	SU6956	1984		
Wheatham Farm	SU7527	1985		
Bassett's Mead, Hook Bassett's Mead, Hook	SU7354 SU737547	2009 12-Jul-09	ARGM	Large patches at SU7379 5471.
Bramshill River Blackwater west of Eversley	SU7562 SU7562	1937 1937	PMH & ECW	Specimens in BM and RNG. [CRH comments that the published wording and herbarium sheets all agree that the site was a wet meadow beside the River Blackwater, variously 'west of Eversley' or at 'Bramshill', which indicates SU7562].
Eversley Bridge	SU7762	1986		
Fleet Pond Fleet Pond	SU8254, SU8255 SU822548	2002 21-May-02	CRH	Marsh at south end near Kenilworth Road, specimen conf. ACJ June 2002. [Overgrown by scrub by 2007 – CRH.]
Fleet Pond	SU824550	23-May-02	CRH	On the eastern marshes at c.SU824550. [Not refound 2008 due to overgrazing here in 2007 – CRH]
Farnborough Airfield Farnborough Airfield	SU8553 SU850531	1993-2005 31-Aug-05	JMil	Still present in drain at SU8505 5310 near track, where recorded by CRH in 1993.

Carex diandra Schrank

Lesser Tussock-sedge **1844-2007**

National Status: Near Threatened, Not Scarce, Native

S Hants: Probably extinct

Native

The last documented records are from 1929. There is a record held on the Hampshire Biodiversity Information Centre database for Pitts Deep in 1986 which is suspected of being a transcription error, since there is no mention of such a significant find by Paul Bowman in the source material for the 1996 *Flora*.

N Hants: Rare

Native

Recent records are confined to three areas in botanically-rich wet fens. It might be argued that King John's Meadow is a separate site as it is physically separated from the main part of Greywell Fen by a road, but they both share the same fen habitat adjacent to the River Whitewater.

Stockbridge, North Fen Stockbridge North Fen	SU3535 SU3535	1985-2002 20-Jun-02	BGo & JGo	Locally common in wetter areas.
Stockbridge North Fen	SU358355	1986	FR	
Bransbury Common Bransbury Common (central)	SU4141, SU4242 SU416418	1970-1996 1996	NAS	HBIC record. [Presumably a site centre grid ref – ARGM]
Bransbury Common	SU418419	1970	RPB	Rough fen pasture. Local, in fair plenty.
Bransbury Common	SU4242	19-Jul-88	EAP, FR & PB	Locally frequent.
Easton, W of	SU5032	1935		

Greywell	SU7151, SU7150, SU7250, SU7251	1971-2007		
Greywell	SU7151	16-Jul-91	FR	A fen plant there.
Greywell Fen	SU718508	12-Jul-00	FR	In fen to S.
Greywell Fen	SU718507	1986	FR	HBIC record.
Greywell Moors Reserve	SU719508	24-Jun-01	AJPB	New plants in newly cut area.
Greywell Moors HWT reserve	SU719509	10-Jun-07	ARGM & HFG	Several plants in a small area at SU7198 5091, shown to HFG by AJPB.
Greywell Moors HWT reserve: monitoring plot A	SU720509	2000	SCo & PRD	At SU7201 5096.
Greywell Fen SSSI	SU720510	11-Jul-04	BGo & JGo	In wet fen, SU7200 5100.
Greywell Moors HWT reserve	SU720511	10-Jun-99	AJPB	Plants appearing in new areas in the reserve. First record in recent years.
King John's Meadow, North Warnborough	SU724516	12-Jun-99	AJPB	One small clump.

Carex dioica L. Dioecious Sedge 1860-2010

National Status: Not Scarce, Native

S Hants: Not Recorded

Native

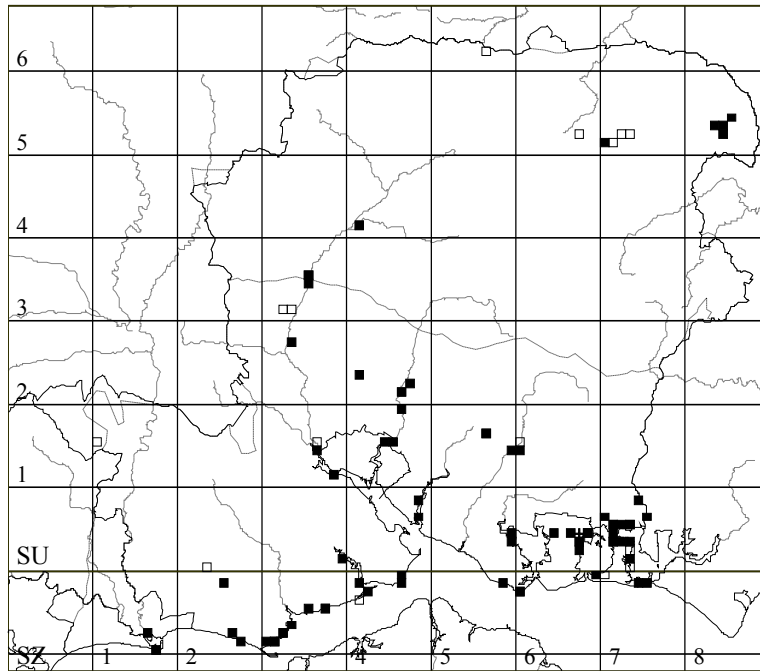
N Hants: Rare

Native

Requires very short vegetation in calcareous fens, sadly now a very rare habitat.

Bransbury Common	SU4141, SU4242	1978-2010		
Bransbury Common	SU415417	16-May-04	HFG	10-20 spikes at SU4158 4170.
Bransbury Common	SU416417	09-May-10	ARGM & HFG	Single male spike at SU4160 4173 and single female spike at SU4160 4174.
Bransbury Common (central)	SU416418	20-Jun-03	ILR	HBIC record. [Presumably a site centre grid ref – ARGM]
Bransbury Common	SU4242	19-Jul-88	PB, FR & EAP	In fen.
Mapledurwell Fen	SU6752	1971-2009		
Mapledurwell Nature Reserve	SU6752	25-May-98	FR	
Mapledurwell Fen	SU677523	Jun-09	ILR	Photos of a female plant det. MR.
Conford Moor	SU8133, SU8232	1955- ?2000		
Conford Moor – West	SU8133	26-Jun-00	FR	[From FR's notebooks, possibly genuine, but suspected to be a transcription error. ARGM searched the only tiny remnant of short vegetation at SU818332½ on 2/8/98 (which had Valeriana dioica) – ARGM]
Conford Moor – East	SU823328	1957	FR	'On south side of River Hollywater, present until c.1957 when site drained.' Communicated to ARGM in a letter from FR dated 16/8/98.

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Frequent in damp coastal grassland and scattered in grasslands bordering the chalk valley streams.

N Hants: Scarce

Native

Very thinly scattered, but occurs in both calcareous fen-meadows and in more acidic unimproved grassland. Apparently lost from many of the older additional sites shown only at tetrad level in the 1996 *Flora*.

Stockbridge, North Fen	SU3535	1986-2002		
Stockbridge North Fen	SU3535	09-May-02	BGo & JGo	Locally abundant, especially in damp meadow areas.
Bransbury Common	SU4141	1984-2004		
Bransbury Common	SU4141	16-May-04	HFG	
Bransbury Common (central)	SU416418	1986	FR	HBIC record. [Presumably a site centre grid ref – ARGM]
Ashford Hill Meadows	SU5662	1983		
Mapledurwell Fen	SU6752	1982		
Greywell	SU7051, SU7151	1977-1996		
Greywell area	SU7051	1996	MT	
Greywell	SU718510	1977	GHF	
North Warnborough Green	SU7252	1982-1983		

Eelmoor Marsh		SU8353, SU8453	1994-2010		
Eelmoor Marsh, Leyland Track (south)	SU837533	29-May-08	CRH	c.20 tufts on verge of track SU8370 5333. Also three tufts at SU8371 5335, 24 May 2008.	
Eelmoor Marsh, Albion Track (west)	SU838533	23-Jun-07	CRH	Small patch near junction with Eelmoor Marsh Track.	
Eelmoor Marsh, Albion Track	SU839533	23-Jun-01	CRH	Small group of 15 tufts.	
Eelmoor Marsh (south)	SU840529	08-Jun-01	CRH	One small tuft in short turf near the corral, c.SU840529½. Searched for on several occasions since but it has not reappeared.	
Eelmoor Marsh, Leyland Track	SU840535	24-May-08	CRH	Along c.8m of verges, very locally frequent, SU8403 5358 / SU8405 5359.	
Eelmoor Marsh	SU841530	18-Jun-10	CRH	A small patch at SU8413 5307 on Commer Track verge, airfield side.	
Eelmoor Marsh, Albion Track (east)	SU841533	23-Jun-07	CRH	Very locally abundant for c.40m at SU841½533, currently the best site on Albion Track.	
Eelmoor Marsh, Leyland Track	SU841536	24-May-08	CRH	Extends along c.16m of verges, very locally frequent, SU8413 5365 / SU8412 5364.	
Eelmoor Marsh, Leyland / Foden Track junction	SU841536	21-Jun-08	CRH	One tuft on the junction triangle, SU8417 5366 (outside grazing enclosure).	
Eelmoor, Vixen Track	SU842532	24-Jun-04	CRH	Small patch on north edge of Vixen Track, SU8422 5320. Site now [2008] overgrown.	
Eelmoor, Whirlwind Heath	SU844534	20-May-08	CRH	Two tufts beside a gorse thicket, SU8449 5349.	
Eelmoor Marsh	SU845534	09-Jun-10	CRH	A patch c.80cm x 70cm at SU8453 5341, not seen here before.	
Eelmoor Marsh	SU847535	20-Jun-07	CRH	Well established at Laffan Meadow part of Eelmoor with c.7m x 2m patch at SU8473 5354.	
Ively, Farnborough		SU8554	2008		
Ively Meadow	SU850544	28-Jun-08	CRH	One large tuft near Liz's Lakes, SU8500 5441.	

Carex divisa Huds.

Divided Sedge 1850-2010

National Status: Vulnerable, Scarce, Native

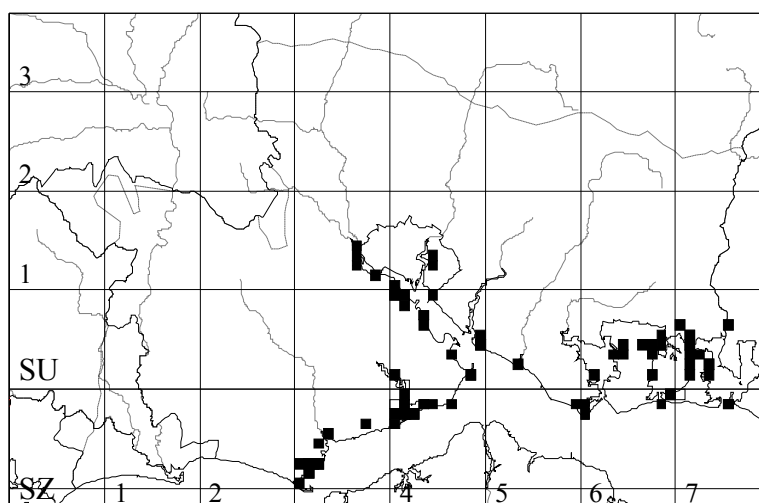
NERC S41

UK BAP Priority Species

S Hants: Not Ranked

Native

It is probable that the coastal grasslands of South Hampshire hold a significant part of the British population. Some Hampshire populations are large and extensive.



N Hants: Not Recorded

National Status: Not Scarce, Native

S Hants: Scarce

Native

The South Baddesley area and the Itchen Valley are the headquarters for this sedge in South Hampshire, and there are several other unlocalised records from the latter in the early 20th century. It was also recorded from Rudley Mill in the south-east of the county at that time.

Pylewell	SZ3596	1986-2000		
Plummers Water, Pylewell Park	SZ356961	12-Jun-86	NAS & HCC	SZ356961-2, valley alderwood on neutral-alkaline soil. HCC Habitat Assessment Team.
Plummers Water Pylewell Park	SZ356962	12-Jun-86	NAS & HCC	SZ356961-2, valley alderwood on neutral-alkaline soil. HCC Habitat Assessment Team.
Wood, South Baddesley	SZ356964	24-Jun-00	MWR	By stream in wood S of road. 3 plants.
Pylewell Lake	SZ3695	1986-1997		
Pitt's Deep	SZ360953	25-Mar-97	MEY	Pylewell Lake conf RMW.
Pylewell Lake, Lymington	SZ360955	16-Jun-86	NAS & HCC	SZ360955 etc. Wooded garden on fringe of lake. Large population.
Lake Covert	SZ361955	16-Jun-86	NAS & HCC	
Sowley Brooms	SZ3696	1987-2003		
Sowley Copse East	SZ366968	24-Jun-03	ILR	
Sowley Brooms	SZ367964	28-May-99	MEY	
Sowley Brooms, East End	SZ367966	29-Mar-93	RMV	Summary: Wet hollows in woodland – acuta crossed out & elata noted. Det. RPB 24.11.1993. Alt. 10m. 2 hollows just E of footpath. Many leaves in each, flint hollow wet mud, no clear water, no inflorescence. 2 nd hollow, standing water, wet mud, few inflorescences.
Sowley Brooms, Nr Sowley Pond	SZ367967	20-Jun-87	RPB	Wet scrub at edge of marshy ride Det AOC & RWD Hb RPB c10 tussocks.
Sowley Brooms	SZ367967	23-Jun-99	MEY	
Ravensbeck Marsh	SZ368966	24-Jun-03	ILR	
Sowley Pond area	SZ3796, SZ3797	1991-2003		
Ravensbeck Bush	SZ370967	17-Jun-03	ILR	
Pond Copse Belt	SZ372966	24-Jun-03	ILR	
Ravensbeck Heath	SZ373969	17-Jun-03	ILR	
Sowley Pond	SZ375967	1991	AEB & DW	Wooded marshy N shore.
Lower Beckheath Inclosure	SZ375970	18-Jun-03	ILR	
Staplewood Copse	SU3709	2009		
Staplewood Copse Pond	SU370092	28-Apr-09	ILR	Staplewood Copse Pond south. Carex elata locally frequent on the southern edge of the pond (although obviously declining as there are several lifeless tussocks present) SU37030921.
Mopley Pond	SU4501	1969-1988		
Mopley Pond Fawley	SU455016	13-Jul-88		Silted mud on E margin along path. Several tussocks.
Shawford	SU4725	2002		
Shawford	SU475253	27-Jun-02	MR	Single tussock on E side of Itchen Navigation.
St Cross	SU4727	1934-2002		
R Itchen, St Cross	SU476275	06-Apr-02	PJSe	River bank E of outer wall of St Cross.
Ridding Meads	SU4728, SU4828	1977-2002		
Winchester College Playing Fields	SU479282	03-Apr-02	BGo	Two flowering tussocks adjacent to the bridge to Winchester College playing field.
Ridding Meads	SU480284	12-May-02	MR	17 tussocks centred on this GR.
St Cross	SU481284	06-Apr-02	PJSe	2 small tussocks.
By Riding Meads, Winchester	SU481285	21-May-77	RPB	'RWD. RPB. Streamside. Very local, scattered tussocks'. [RWD saw it here (previously?) – DRA]

N Hants: Rare

Native

Our recent records are from HBIC. Sedges tend to be under-recorded in VC12 and much of its potential riverside meadow habitat is difficult to access. It persists at Winnall Moors, but the 1996 *Flora* states that the site near the River Itchen a little west of Easton has been destroyed.

Winnall Moors	SU4829, SU4830, SU4930, SU4931	1982-2010		
Hyde Meadows	SU4829	1982	AB	
Winnall Moors	SU4830	06-Jun-82	AB	Hb.AB Specimen Bi2003.24.1178, conf. FR.
Winnall Meadows	SU487308	15-Jun-94	ILR	HBIC record.
Winnall Meadows, west	SU488309	04-Jul-06	ILR	HBIC record. At SU4888 3096.
Winnall Moors, Winchester	SU4930	28-Sep-10	BGo	Characteristic small tussocks widespread around fishing lakes
Winnall Moors, north	SU490309	2001	ILR	HBIC record.
Winnall Meadows	SU490313	04-Jul-06	ILR	HBIC record.
Winnall Meadows	SU492314	03-Jul-06	ILR	HBIC record.
Easton / Martyr Worthy	SU4932, SU5032	1935-1939		

Carex elongata L.**Elongated Sedge
1897-2007****National Status: Scarce, Native****S Hants: Rare**

Native

Curiously restricted to the catchment of the Moors River in modern Dorset, where it remains abundant in some sites.

St Leonards S	SZ1099, SU1000	1985-2007		
St Leonard's S NR	SU103008	02-Jun-85	RMW	Alder/Willow Carr Hb RMW Det AOC.
Hurn Forest, St Leonards Peat South	SU104008	10-Jul-07	NAS	Population extends from SU1032 0099, to SU1050 0072 and to SU1048 0083, with a scatter of plants east to SU1055 0081. Abundant in about 1.4ha of Carr.
Hurn Forest, mire south of St Leonards Peat South	SU106006	06-Jul-07	NAS	Population extends from SU1056 0056, SU1062 0067 & SU1062 0055. Abundant to dominant over 0.48h of Carr.
Hurn Forest, Fir Grove Copse	SZ107999	06-Jul-07	NAS	In long established bog woodland between SZ1076 9996 to SZ1074 9993. 13 plants, 2 fertile.
St Leonards N NR	SU1001	1985-1986		
Troublefield	SZ1297	2005		
Troublefield NR	SZ124977	20-Aug-05	MR, JPol & BGo	
Fillybrook, Hurn	SZ1298	1985-2007		
Hurn Airport	SZ124983	19-Jul-99	BGO & JGO	Beside road to Hurn Airport, as it crosses ditches, nearly over. Rare.
Moors River, Hurn Forest	SZ125985	1985	RMW	Willow Carr Nr Fillybrook.
Hurn Forest, Fillybrook	SZ125986	11-Jul-07	NAS	Population extends from SZ1256 9867, SZ1262 9862 to SZ1258 1257. Abundant over 0.36ha of Carr.
Hurn Forest, Floodplain SW of Fillybrook	SZ126984	28-Jun-07	NAS	Secondary Carr which has invaded fen. Only flowers in open areas of fen. From SZ1263 9840 to SZ1263 9854 & SZ1254 9856. Frequent to abundant in 0.8ha of carr.
Moors River NR, Hurn Forest	SZ127984	08-Jun-87	RMW & RWD	(Note on card for SZ126984, 1985, RMW.)

N Hants: Rare

Native and Introduced

There are records for Back Cutting Wood (now Lakeside Park LNR) that straddled the Hants/Surrey border, going back to W H Beeby in 1888, who deposited specimens in many herbaria, but it is not certain which side of the border they refer to. It was found very close to the Hampshire/Surrey border, but just in VC12, in 1990. The site was destroyed in 1994 when the new A331 Blackwater Valley Road was

constructed, and an aqueduct was also made to take the Basingstoke Canal over the new road. However, in 1993 a tuft was removed, and divided into plantlets kept in cultivation. Six were planted just 300m away in Surrey but seven others were later planted back in Hampshire on 20 May 1997, 2km further north beside re-landscaped lakes east of North Camp. A record marked on a recording card for 'June 1980 & May 1981' at West Minley Farm is thought to be an error.

North Camp, E of Ramillies Lakes, E of North Camp	SU8853 SU884531	1997-2004 01-Jun-04	CRH	c.SU8845 5315. Introduction by Blackwater Valley Countryside Partnership in 1997 in carr west side of Ramillies Lakes, established and increasing, now nine tufts in 12 metres.
Lakes off Hollybush Lane, E of North Camp	SU885533	20-May-97	CRH	Introduced by SBai & TA. 7 plantlets grown on from clump rescued from Lakeside Park. Original site destroyed by A331 Blackwater Valley Road. [Grid ref determined more accurately in 2004 as SU8845 5315].
Ash Embankment Back Cutting Wood (formerly), Aldershot	SU8851 SU886514	1990 1990	CRH	Back Cutting Wood (site of), Ash Embankment, R. Blackwater SU8865 5146. On tussock. Swampy area under willows, beside R. Blackwater, last reported 1902 on the Surrey side. Back Cutting Wood was in both counties.

Carex humilis Leyss.

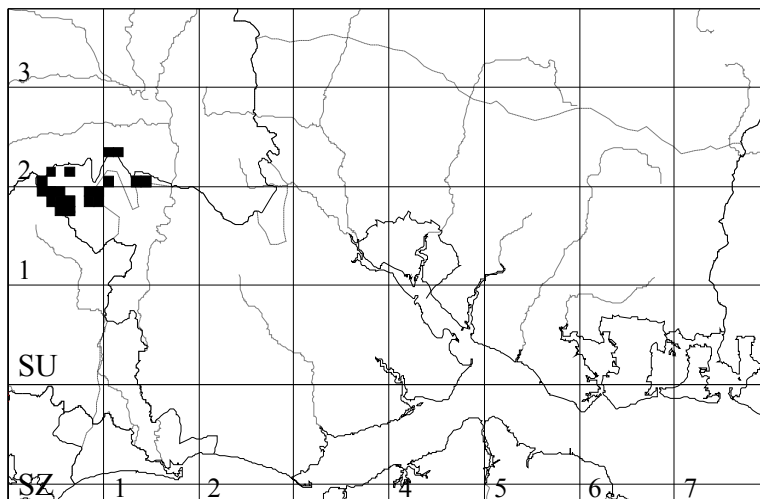
Dwarf Sedge
1879-2009

National Status: Scarce, Native

S Hants: Infrequent

Native

Confined to the chalklands in the far west between Vernditch and Breamore, where there are large populations on Martin Down NNR and Windmill Hill SSSI, and a scattering of small vulnerable populations elsewhere, mostly on ancient earthworks and tracksides.



N Hants: Not Recorded

Carex lasiocarpa Ehrh.

Slender Sedge
1865-2009

National Status: Not Scarce, Native

S Hants: Rare

Native

Confined to a small area in the south-west of the New Forest. The Holmsley Station site needs revisiting, and the most recent detailed record is therefore listed.

Common Moor, Burley	SU2004	1960-2007		
Common Moor, Burley	SU205045	1987	RPB	Extensive and sub-dominant over bog W. of stream, 205045, 206045.
Common Moor, Burley	SU206045	1987	RPB	Extensive and sub-dominant over bog W. of stream, 205045, 206045.
Burley Common Moor	SU206046	23-Aug-07	NAS	Abundant to dominant over about 1 ha in base enriched runnels in bog.
Holmsley Station area	SU2300	1961-1963		
SW of Holmsley Station	SU230006	02-Sep-61	RPB	Bog surrounding scrub locally plentiful in well defined zone.
Wilverley Bog	SZ2499, SU2400	1899-2009		
Wilverley Bog	SZ244999	01-Sep-07	NAS	Carex lasiocarpa abundant in reed from SZ24563 99933 ±5m to SZ24533 99937 ±5m and SZ24580 99964 ±5m.
Wilverley Bog	SZ245999	31-May-06	MR	Scattered through reed swamp around SZ2456 9992.
Wilverley Bog	SU245000	17-Jul-09	BGo & NM	Still frequent along margin of wet reedbed.
Wilverley Bog	SZ246997	22-Jul-01	BGo & JGo	Amongst Phragmites with Carex hostiana. Local and sterile in adjacent wet areas of bog.
Wilverley Bog W	SZ248997	30-Jul-61	RPB	c.SZ248997. Bog / reedswamp. Locally plentiful.
Wilverley	SU2400	01-Jul-97	NMR	Abundant in Wilverley Bog.
Wilverley Bog	SU2400	16-Jun-08	MBer	At edge of Phragmites bed.

N Hants: Not Recorded

Carex lepidocarpa Tausch

Long-stalked Yellow-sedge 1904-2010

National Status: Not Scarce, Native

S Hants: Scarce

Native

A plant chiefly of chalk valley spring-line fens, occasionally on other calcareous mires. A number of modern records in other habitats require following up, and earlier records from Holmsley (SU20) and Bishopstoke (SU42) are unconfirmed. An old record from Rudley Mill near Soberton (SU61G) is vouched for and correct. Some sites with only pre-1987 records are detailed to encourage further search.

Knoll Farm, Damerham	SU0917	1986-1996		
Allen River, Knoll Farm, Damerham	SU093173	06-Aug-91	RPB & JO	SU093173 etc. Springs and flushes in marshy meadow. Locally very plentiful. Det. FR.
Knoll Farm Meadows North	SU093174	07-Aug-96	ILR	
Sagles Spring, Rockbourne	SU1216	1979-1986		
Sagles Spring, Rockbourne	SU1216	20-Jul-84	RPB	
Rockbourne, S of	SU123167	14-Jul-79	RPB	Fen drain bank. Det. ACJ.
Sagles Spring Meadow 4	SU127166	16-Oct-86	HCC	HBIC record. Occasional.
Horsebridge	SU3431	2006		
Horsebridge Water Meadow Central	SU347314	29-Jun-06	ILR	HBIC record. Rare.
Stockbridge Common Marsh	SU3534	1991-2008		
Stockbridge Common Marsh	SU353340	29-Aug-91	EN	HBIC record.
Stockbridge Common Marsh	SU354341	21-Jun-06	ILR	At SU3540 3416.
Stockbridge Common Marsh	SU354341	06-Jun-08	MR & RCR	Patch in damp depression at SU3540 3419.
Applemore	SU4006	1988		
Flush By Applemore	SU403068	13-Jul-88	NAS	At SU40300680.

School

Whitefield Rough area	SZ4499, SU4400	1985-1988		
Field between Dark Water/Whitefield Rough	SU446005	21-Jul-88	NAS	
Dark Water/Whitefield Rough: South Field	SZ449999	20-Jul-88	NAS	
Mopley	SU4501	1988		
Above Deans Bridge	SU456014	20-Oct-88	NAS	
The Moors, Bishops Waltham	SU5616	1962-2001		
The Moors, Bishop's Waltham	SU561168	28-Jun-62	AWW	Hb AWW specimen Bi1986.1.1320. 'found on the moors, Bishops Waltham, Hampshire... authority (confirmed) Wallace, E C'.
The Moors, Bishop's Waltham	SU561168	1984	JRow	
The Moors SSSI	SU561169	13-Sep-89	NAS	
The Moors, Bishop's Waltham	SU5616	30-Jun-01	PJSe	
Goldsmiths Copse, Southwick	SU6210	1990		
Goldsmith's Copse, Southwick	SU624104	23-Jul-90	EAP	Dried up ditch E side of track going down hill. Det ACJ Hb RPB.
Lye Heath	SU6408	1985		

N Hants: Scarce

Native

In botanically-rich fen-meadows, where it can be very locally plentiful. North Hampshire is well-endowed with such rich fens, though no doubt some were lost in the past when converted to water-cress beds.

Stockbridge, North Fen	SU3535	1985-2002		
Stockbridge North Fen	SU3535	28-May-02	BGo & JGo	Widespread and common in wetter areas
Stockbridge North Fen	SU358355	1986	FR	As 'Stockbridge Marsh' on VC12 Index card.
Stockbridge Fen	SU359354	19-Apr-91	ENa	HBIC record.
Anton Lakes	SU3647	1991-2007		
nr Anton Lake NR, Andover	SU360470	1991	MFW	In brook by footbridge, Andover.
Anton Lake NR, Andover	SU360471	1991	JRow	'Abundant on the tufa encrusted gravel bed of the former cress beds at Anton lakes. Biggest population I have ever seen, (AJB also agrees) possibly nationally important' – JRow.
Anton Lakes	SU360470	16-Aug-07	ILR	HBIC record. Former cress-bed.
Anton Lakes LNR	SU361468	1991	MFW	Old watercress beds.
Chilbolton Common	SU3839, SU3940	1968-1985		
Bransbury Common	SU4141, SU4242	1978-2004		
Bransbury Common	SU414415	16-May-04	BGo & JGo	
Bransbury Common (central)	SU416418	01-Nov-96	NAS	HBIC record. [Presumably a site centre grid ref – ARGM]
Bransbury Common – Fen South of River	SU4242	25-Jul-78	FR	
Tichborne Springs	SU5731	1975-1994		
Tichborne Springs	SU5731	26-Jul-94	PR & FR	
Tichborne Common	SU575316	16-Jun-75	FR	
Tichborne Common	SU576316	24-May-94	MFI	HBIC record.
Cheriton	SU5829	1994		
Cheriton	SU581293	25-May-94	MFI	HBIC record. Fen meadow.

Mapledurwell Fen Mapledurwell Nature Reserve	SU6752 SU6752	1998 25-May-98	FR	
Andwell Andwell Up Nateley, Odiham	SU6852 SU6852 SU688522	1960-1992 27-Jun-92 1960	FR et al DEB	Rare in fen. c.1960's.
Greywell	SU7151, SU7150, SU7250, SU7251	1960-2010		
Greywell	SU7151	25-May-98	FR	
Greywell Fen	SU718507	1984	ENa	HBIC record.
Greywell Fen	SU718508	12-Jul-00	FR	In fen to S.
Greywell Moors	SU720509	10-Jun-07	ARGM & HFG	Remarkably plentiful.
Greywell Moors	SU720510	19-Jul-10	ARGM	Some at SU7203 5109.
Greywell Moors	SU721512	10-Jun-07	ARGM & HFG	A few in part of fen closest to road.
King John's Meadow, North Warnborough	SU724516	08-Jun-08	ARGM	Hb. ARGM. At SU7243 5160.
Long Fen Meadow	SU725516	07-Aug-95	ILR	HBIC record.
Warnborough Green	SU7352	1983		
Bassett's Mead, Hook	SU7354	2009		
Bassett's Mead, Hook	SU738546	12-Jul-09	ARGM	Two plants at SU7380 5469 on south edge of ditch and 1m from edge of reed bed, where first found by ILR on 9 Jul 2009.
Hillside Farm, Odiham	SU7550	1988		
Hillside Farm, Odiham	SU750508	1988	CRH	
Fleet Pond	SU8255	1976		

Carex limosa L.

Bog Sedge
1867-2009

National Status: Not Scarce, Native

S Hants: Scarce

Native

Only ever recorded in the New Forest and now apparently confined to the south-west. A site in the Denny bog complex (SU30), first recorded in 1888, was destroyed by drainage operations in the late 1960s.

Bagnum Bog	SU1802	1980-2007		
Bagnum Bog	SU181023	27-Aug-07	NAS	SU18173 02340 ±4m abundant in small pool.
Bagnum Bog	SU181023	27-Aug-07	NAS	SU18175 02361 ±4m abundant in small pool.
Bagnum Bog	SU182023	06-Aug-06	NAS	Patch at SU18293 02397.
Bagnum Bog	SU182023	27-Aug-07	NAS	SU18245 02337 ±5m to SU18201 02365 ±4m, frequent in swampy pools.
Bagnum Bog	SU182024	27-Aug-07	NAS	SU18295 02428 ±6m to SU18273 02421 ±5m, abundant in swampy pools in flow line.
Bagnum Bog	SU183024	06-Aug-06	NAS	Very large population in pool in seepage line just below natural nick point between SU18360 02411 and SU18382 02331.
Bagnum Bog	SU183025	06-Aug-06	NAS	Small patches at SU18344 02528 and SU18300 02536 in swampy area at edge of reed dominated area.
Holmsley Bog	SU2201	2004-2008		
Holmsley	SU224012	29-Jul-08	MBer	Dozens of plants around bog pools at SU22467 01279, extending SE for c.10-20m.
Nr Holmsley	SU225012	2004	NAS	SU22548 01206 ±6m to SU225543 01208 ±6m.

Wilverley Bog		SZ2499, SU2400		1997-2009	
Wilverley Bog	SZ245997	18-Jun-98	VS		
Wilverley Bog	SZ246998	31-May-06	MR	Scattered in standing water of bog around SZ2466 9988.	
Wilverley Bog W	SZ248997	17-Jul-09	BGo & NM		
Wilverley Bog	SZ248998	13-Aug-01	BGo	Wet muddy bog c 300m W of Wooton Bridge CP and directly opposite first round clump of gorse.	
Wilverley Bog	SU243000	01-Sep-07	NAS	SU24385 00034 ±8m Carex limosa frequent in pool.	
Hincheslea Bog		SU2700, SU2800		1973-2007	
Hincheslea Bog	SU279006	25-Aug-07	NAS	Covering meters in bog pool at SU27907 00631 ±6m.	
Hincheslea Bog	SU279007	25-Aug-07	NAS	From pool by bridge westwards about 100m from SU28016 00751 ±4m to SU27926 00725 ±4m.	
Hincheslea Bog	SU280007	25-Aug-07	NAS	From pool by bridge westwards about 100m from SU28016 00751 ±4m to SU27926 00725 ±4m.	
Hincheslea Bog	SU281008	25-Aug-07	NAS	Abundant in pools from SU28157 00791 ±6m to 28195 00812 ±5m, part of much larger meta-population covering about 1 ha of very swampy bog.	
Hincheslea Bog	SU282008	25-Aug-07	NAS	Abundant in pools from SU28256 00833 ±4m to SU28292 00851 ±4m, part of much larger meta-population covering about 1 ha of very swampy bog.	

N Hants: Not Recorded

Carex montana L.

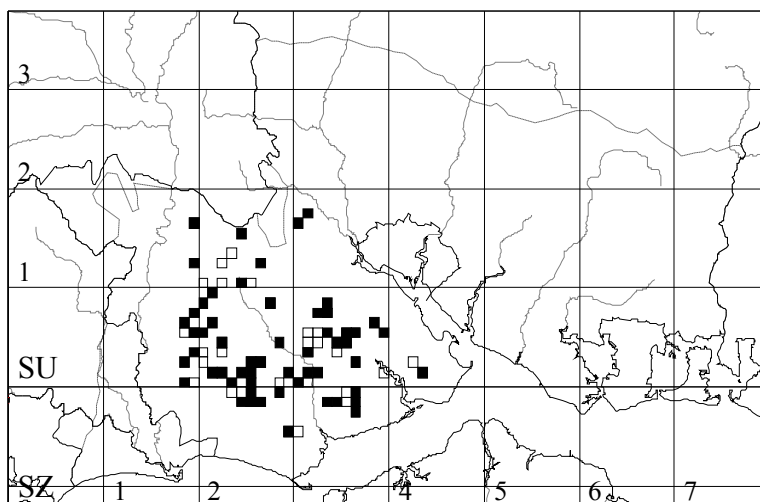
Soft-leaved Sedge
1876-2010

National Status: Scarce, Native

S Hants: Not Ranked

Native

Confined to the New Forest where it can be abundant on the richer bracken / grass heath communities on brown-earth soils. The map suggests a significant decline but probably reflects some recent under-recording.



N Hants: Not Recorded

National Status: Not Scarce, Native**S Hants: Rare**

Native

On stony shores of lakes and ponds subject to fluctuating water levels, and artificial habitats resembling them. A number of records made early in the year in atypical habitat have been excluded here pending further determination.

Burley Moor	SU2104	1913-1961		
Beaulieu Airfield	SU3401	1987		
Beaulieu Airfield	SU347014	1987	RPB et al	Gravelly bed of old hard standing.
Crockford Bridge	SZ3598	1986		
Hatchet Pond	SU3601	1929-2007		
Hatchet Ponds	SU3601	30-Jun-07	DWo & MWO	
Hatchet Pond	SU364012	30-Jul-95	RPB	SW shore on fine gravelly soil. Vert locally frequent.
Hatchet Pond	SU365012	09-Sep-66	RPB	As <i>C. serotina</i> . Moist gravelly shore. Local, in small quantity.
Hatchet Pond	SU367013	14-Jul-83	RPB & JO	Moist patchy, short turf on S margin. Locally plentiful.
Hatchet Pond small (E)	SU368013	07-Sep-00	JAN, DRA & EJC	
Hatchet Pond	SU368014	Jul-01	PJSe	Exact date uncertain.
Hatchet Pond	SU368015	04-Aug-97	RPB	Short turf on stony NE shore of pond. Very locally frequent.
Hatchet Pond	SU368017	01-Jul-89	RMW	
Bagshott Moor Hatchet Pond	SU369016	20-Jul-99	MEY	Conf EJC.
New Forest (Hatchetts Pond)	SU369017	02-Aug-91	GHF	As <i>C. serotina</i> var <i>serotina</i> .
Browdown Ranges	SZ5899	2000		
Browdown Ranges, NE	SZ584990	14-Sep-00	EJC & DRA	

N Hants: Rare

Native

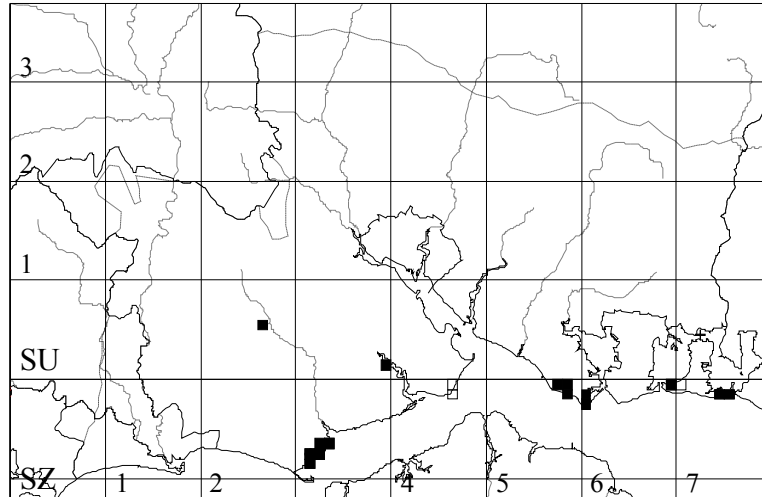
Seems to require sandy margins of waterbodies subject to occasional inundation. An uncountable number of plants arose from the seed bank following a scrape made the previous year at Eelmoor Flash.

Fleet Pond, N margin	SU8155	1882		
Fleet Pond, S margin	SU8254	1898-1970		
Bourley Bottom	SU8250	1978-1992		
Bourley Bottom	SU828504	1978	ARGM	At SU828½504 on reservoir margin, det. FR.
Bourley Bottom	SU828505	1985	ARGM	Many seedlings, during temporary lake drainage.
Bourley Bottom	SU829504	1992	CRH	Abundant on E edge of main reservoir when water-level was low.
Bourley, Aldershot	SU829505	07-Sep-87	CRH	Abundant along west shore, several hundreds.
Eelmoor Flash	SU8452	2005-2010		
Eelmoor Flash	SU842527	30-Jul-10	ARGM & FJR	Abundant at SU8423 5277 on the new scrape made late in 2009.
Eelmoor Flash	SU842528	30-Jul-10	ARGM & FJR	Abundant at SU8425 5281 on the new scrape made late in 2009.
Eelmoor Flash	SU843528	21-Jun-05	CRH	SU8426 5281, east margin on water margin where inundated in winter. Conf. ACJ.

Carex punctata Gaudin**Dotted Sedge**
1878-2010**National Status: Scarce, Native****S Hants: Infrequent**

Native

A species of open damp shingly or sandy coastal grassland, its one inland site is on a road verge in the New Forest where it was perhaps imported.

**N Hants: Not Recorded****Carex x alsatica Zahn****Hybrid Yellow-sedge**
1952-1992**National Status: Vulnerable, Rare, Native****S Hants: Not Recorded****N Hants: Rare or Extinct**

Native

An extraordinary plant for southern England, indicating that one of its parents, *Carex flava*, once existed there. A single plant was recorded for a period of 40 years but sadly it is no longer present (though some *C. flava* genes persist in the remaining introgressed population). Although more than one grid reference is given, this is because the hybrid grew very close to the junction of four 1km squares.

Blackstock (2007) studied specimens taken recently from the Greywell Moors site and found that they were morphologically indistinguishable from *C. viridula* subsp. *brachyrrhyncha*. However, his allozyme studies showed the signature of introgression with *C. flava*.

Andrew Branson knew the hybrid plant for many years and suggested (*pers. comm.* 2010) that it appeared to be a plant of the transition between wood/scrub and open mire communities. In the 1980's before HWT started any major work on the reserve, the plant was in such a transition habitat, but following clearance of the alder carr in the early 1990's the area became grazed open fen. He questioned whether this management might have favoured the *C. viridula* subsp. *brachyrrhyncha* genes in the remaining plants, and whether allowing scrub re-growth would allow the *C. flava* genes to become evident in the morphology of the remaining plants.

Greywell	SU7150, SU7251	1952-1992		
Greywell Fen SSSI	SU7150	1979	FR	Specimen Bi2003.24.1174 in Hb.AB.
Greywell Fen SSSI	SU720510	1980	FR	As 'Carex x pieperana P. Junge (<i>C. flava</i> x <i>C. lepidocarpa</i> Tausch subsp. <i>lepidocarpa</i>). Conf. AOC 1982. Greywell, in grazed fen, among <i>C. lepidocarpa</i> .'
Greywell Moors	SU7251	1992	HFG	One large tuft.

Carex x boeninghausiana Weihe**Hybrid Tussock x Remote Sedge****1868-1998****National Status: Unlisted, Scarce, Native****S Hants: Rare**

Native

May be overlooked, as it is one of the commoner hybrids and the parents often occur together.

St Leonards	SU1000	1986-1998		
St Leonard's S Reserve	SU103008	1998	RMW	St Leonard's Peat South NR, St Leonards. Marsh ? north side of river. 2 plants plants with both parents and <i>C. elongata</i> and <i>C. vesicaria</i> c 15 yds to left of entrance to alder carr, at sharp turn north of east/west ride, just inside carr. No specimen.
St Leonard's S NR	SU104008	1986	AJB & RWD	

Matley	SU3307	1968		
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N Hants : Rare

Native

Probably under-recorded as its parents, *C. paniculata* and *C. remota*, are both common and widespread.

Hartley Wintney, E of Purdies Farm	SU7658	1935		
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Winchfield Hurst, S of	SU7753	1963		
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Sheepmoor, nr Fleet	SU8055	1998		
Sheepmoor, nr. Fleet	SU807559	1998	CRH	Stream-bank in wet birch/alder carr. <i>C. remota</i> plentiful, <i>C. paniculata</i> 3 tussocks.

Carex x ducellieri Beauverd**Hybrid Lesser Pond x Bladder Sedge****1986-2002****National Status: Vulnerable, Rare, Native****S Hants: Rare**

Native

The only British record.

Ebblake Bog	SU1006	1986-2002		
Ebblake, Ringwood Forest	SU105068	29-Jun-86	RPB	As <i>C. vesicaria</i> x <i>acutiformis</i> . c.SU105068. Acid wet carr. Hb BM Det AOC & RWD 1 st British Record, Watsonia 17:196. Comm. RPB – At least one tussock, with... <i>C. vesicaria</i> , other parent... not located in area...'. SU1056 0688. Carr woodland. No: >100. Ht: 100cm. Vigour: good. In area 5 x 0.5m. Wet. Both sides of ditch, water flow rate high. (Herb RMW 745). With sketch & associated spp. list.
Ebblake Bog	SU105068	15-Jun-02	RMW et al	

N Hants: Not Recorded**Carex x fulva** Gooden.**Hybrid (Tawny) Sedge****1890-2009****National Status: Unlisted, Not Scarce, Native**This name historically encompasses three nothotaxa, though Stace (2010) applies it only to the second of these: *C. hostiana* x *demissa* and *C. hostiana* x *lepidocarpa*, both of which have been recorded in Hampshire; and *C. hostiana* x *oederi*, which has not been recorded but which could conceivably occur on the New Forest or in NE Hampshire. A number of records have been given under the general hybrid name only.**S Hants: Rare**

Native

The only taxon recorded is *C. hostiana* x *demissa*. It deserves to be searched for on the New Forest and elsewhere, as this is probably the commonest of sedge hybrids and the parents are widespread there. A

herbarium specimen from Sway, collected by Linton in 1890, under the name '*Carex hostiana* var. *sterilis*', also appears to be this.

Warwick Slade Warwick Slade	SU2606 SU269067	2009 18-Jul-09	MR & RCR	3 plants in shallow ditch across heath at SU2696 0676, with both parents. Conf. PS, Hb MR.
Bignell Wood, Cadnam A31 Picket Hill to Cadnam	SU2813 SU285131	1966-1995 01-Jun-95	Anon	Very local, fairly plentiful.

N Hants : Scarce

Native

The taxa of the *C. viridula* group involved as a parent in this hybrid is difficult to determine morphologically, but in the case of Conford and Eelmoor Marsh, only *C. demissa* is present. The fens at Tichborne and Greywell are more calcareous with both *C. lepidocarpa* and *C. demissa*, so hybrids there could have either parent.

Tichborne Tichborne Tichborne Common	SU5731 SU575316 SU575316	1975-1996 1978 04-Jul-96	FR FR	As ' <i>C. x fulva</i> (<i>C. hostiana</i> x <i>lepidocarpa</i>)'.
Greywell	SU7150, SU7151, SU7250, SU7251	1937-2007		
Greywell Fen SSSI	SU7150	1992	AB	Specimen Bi2003.24.1175 in Hb.AB.
Greywell – North	SU7151	28-Jun-83	FR	
Greywell Fen	SU718508	12-Jul-00	FR	In fen to S.
Greywell Moors	SU720509	10-Jun-07	ARGM & HFG	Several plants in a small area at SU7201 5096, shown to HFG by AJPB.
Greywell Fen SSSI	SU720510	11-Jul-04	BGo & JGo	In wet fen, SU7200 5100. Hants Flora Group Meeting.
King John's Meadow, North Warnborough	SU724516	11-06-01	AJPB & CC	A few plants.
Conford	SU8232	1937-1994		
Conford area	SU8232	1938	ECW	Specimen in Hb.RNG. [Another of his specimens from here in 1937 was det. as ' <i>C. hostiana</i> x <i>demissa</i> ']
Conford area	SU8232	1994	FR	
Eelmoor Marsh	SU8352	2002		
Eelmoor Marsh SSSI	SU839529	10-Jun-02	CRH	Growing with both parents at SU8395 5295 (and the herbarium sheet also has pure <i>C. hostiana</i> for comparison). Specimen det. AJC, July 2002, as <i>C. hostiana</i> x <i>C. viridula</i> ssp. <i>oedocarpa</i> .

Carex x involuta (Bab.) Syme

Hybrid Bottle x Bladder Sedge 1985-1987

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

Elsewhere in southern England, currently known only in Dorset. A pre-1987 record is included to encourage further search.

Moors River, Hurn Forest Moors River, Hurn Forest	SZ1199 SZ118994	1987 23-Jul-87	RMW	Marsh grassland on open carr on N side of river valley. Det RWD 29.7.1987. Specimen seen RPB.
Moors River, Fillybrook Moors River, Fillybrook, Hurn Forest	SZ1298 SZ124985	1985 Jul-85	RMW	As <i>Carex x involuta</i> (cf). Comm. RPB – "specimen seen".

N Hants: Not Recorded

Carum verticillatum* (L.) W.D.J. Koch*Whorled Caraway
1966-1983****National Status: Not Scarce, Native****S Hants: Rare**

Native

The Long Aldermoor site has been searched in intervening years by several people and not refound. The site has become overshadowed, but there are moves to restore it to good condition. MR and MJS searched both sites in 2006 without success. Sites are detailed to encourage further search.

Boundway Hill Boundway Hill	SZ2698 SZ262988	1976 1976	FR	Heath bordering bog and fen, Leaves only seen. Comm. RPB: Not refound 1985.
Long Aldermoor Long Aldermoor, Minstead	SU2709 SU272096	1966-1983 1983	AB	Small patch in marshy acid grassland. Still prospering.

N Hants: Not Recorded***Centaurea calcitrapa* L.****Red Star-thistle
1842-1984**

National Status: Critically Endangered, Rare, Archaeophyte
NERC S41
UK BAP Priority Species

S Hants: Probably Extinct

Archaeophyte

There are records up to 1919 for the Peel Common / Chark Common area (SU50R); up to 1934 for Portsdown (SU60M and SU60N); and in 1915 for Alverstoke, Gosport (?SZ69E).

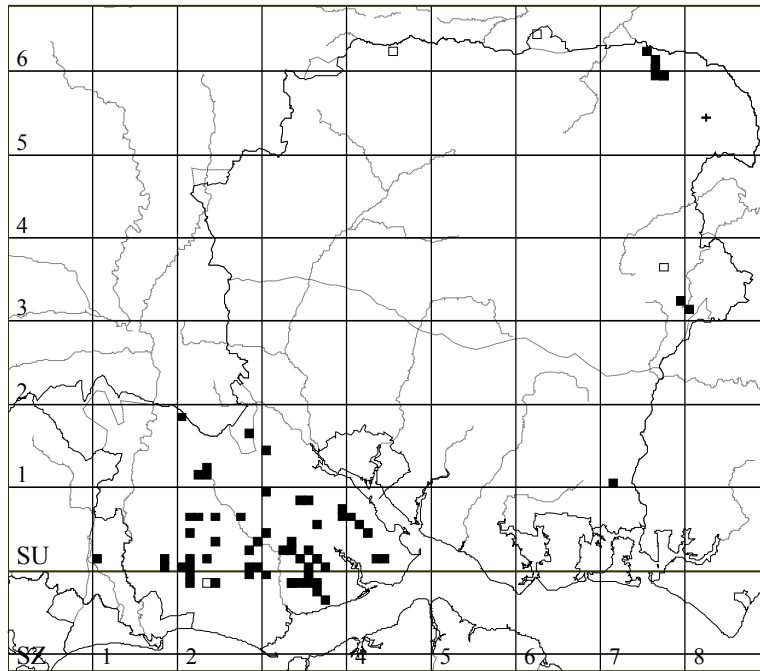
Tipner	SU6303	1940
Browdown	SZ5898	1984

N Hants: Extinct

Archaeophyte

The only record, which is undated but given in 'Rayner's Supplement' (Rayner, 1929), was by CP at Darnell's Meadow. This would be in, or close to, Odiham, where she recorded until her death in 1894. A specimen is referred to in Hb. Druce (now at Oxford). This species would not be native in VC12.

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

Widespread on the New Forest and rare in the Avon Valley; on damp heathland. Formerly also recorded at Shedfield and Hayling.

N Hants: Scarce

Native

Confined to a few spots on heathland, but can be locally plentiful. Found amongst very short vegetation in seasonally damp areas, typically in rutted or trampled tracks.

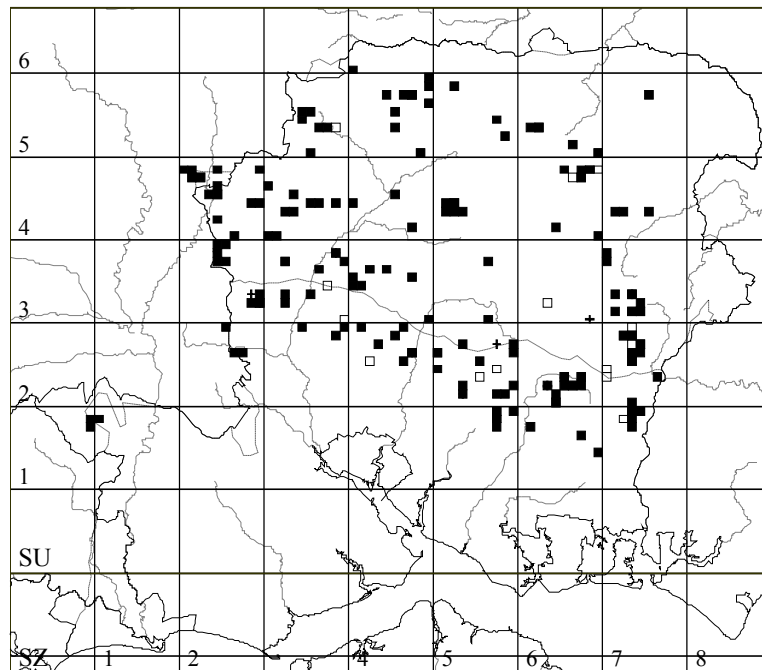
Great Pen Wood SU4562 1968

Burnt Common, Mortimer West End SU6424 1966

Heath Warren SU7659, SU7660, SU7759 1983-2010

Cudbury, Heath Warren	SU761606	14-Jul-10	CRH	47 plants at SU7616 6064 by minor path just north of Cudbury Pond.
Cudbury, Heath Warren	SU761607	23-Jul-97	CRH	21 plants on path close to the ponds.
Heath Warren, Eversley	SU762604	02-Sep-00	ARGM & CRH	At SU7628 6045, c.10 over 0.5m x 0.5m, W side of track in short damp turf.
Cudbury, Heath Warren	SU762605	14-Jul-10	CRH	Six plants on seasonally damp place at SU7623 6057 on Welsh Drive. Also c.180 plants along c.7m at SU7624 6055 on Welsh Drive by Cudbury barrow.
Heath Warren	SU764601	14-Jul-10	CRH	Nine plants where ground rutted, on ride margin SU7647 6017, south of Cudbury.
Heath Warren, S of Cudbury barrow	SU764602	22-Jul-02	CRH	6 plants on E side of long ride leading S from Cudbury barrow.
Heath Warren, S of Cudbury	SU764604	02-Sep-00	CRH	Mostly gone over, but 12 plants confirmed.
Heath Warren, S of Cudbury	SU765602	23-Jul-97	CRH	194 plants on margin of main track.
Heath Warren S	SU765601	22-Jul-02	CRH	26 plants.
Birch Bottom / Hulford's Bottom	SU767594	22-Jul-97	CRH	210 plants on minor track leading down to Birch Bottom.
Birch Bottom / Hulford's Bottom	SU768591	22-Jul-96	CRH	c.40 plants on minor track in Birch Bottom.
Birch Bottom / Hulford's Bottom	SU769590	23-Jul-97	CRH	750+ plants in three groups on minor track in Birch Bottom.
Eversley Common	SU776594	17-Jul-10	CRH	85 plants at SU7768 5946 along south margin of Sir Richard's Ride.

Eversley Common	SU777594	19-Oct-09	CRH	Reappeared on south margin of Sir Richard's Ride apparently as a result of some track maintenance exposing the former heathland surface. 25 plants along c.8m at SU7770 5943 and one plant at SU7777 5941.
Sir Richard's Ride, Eversley Upper Common	SU778594	12-Aug-87	CRH	59 plants. Site later destroyed by track resurfacing in 1992 when Eversley Quarry was expanded. CRH checked again in Jul 1997, none found and flora now ruderal.
Bramshill Common	SU7661	1997-2010		
Bramshill Common	SU760616	14-Jul-10	CRH	5 plants on minor path at SU7605 6164 and 26 plants at SU7606 6169 in damp spots, east margin.
Bramshill Common	SU760617	14-Jul-10	CRH	3 plants at SU7607 6175 on minor path in damp spots, east margin.
Bramshill Common	SU760618	14-Jul-10	CRH	12 plants on minor path at SU7607 6180 and 21 plants at SU7608 6182 in damp spots, east margin.
Bramshill Common	SU761615	30-Jul-97	CRH	60 plants beside bridleway to south of pylon, plus 25 to north of pylon at SU7616 6157.
Bramshill Common	SU761617	24-Jul-00	CRH	c.650 plants for c.18m in seasonally damp depressions.
Shortheath Pond	SU7736	1975		
Woolmer Forest	SU7932	1991- ?1992		
Woolmer Forest	SU790326	02-Oct-91	CRH	[However, CRH later doubted his record and wondered if the shrivelled-up plants had only been <i>A. arvensis</i> . He was informed in 1992 that <i>A. minima</i> had been confirmed there, but it is not known by whom – ARGM].
Longmoor	SU8031	2003-2007		
Longmoor, airstrip.	SU808314	16-Jul-07	ARGM	Locally abundant at SU8089 3140, carpeting the ground, mixed with <i>Radiola linoides</i> .
MOD Longmoor	SU809314	28-Jun-03	ARGM & BGo & JGo	Hundreds of thousands of plants – totally dominant over 5m x 1m patch at SU8090 3141.
Fleet Pond, SE end	SU8254	1938		

Cephalanthera damasonium* (Mill.) Druce*White Helleborine****1799-2010****National Status: Vulnerable, Not Scarce, Native****NERC S41****UK BAP Priority Species****S Hants: Not Ranked**

Native

In woods and shelter belts on the chalk, sometimes appearing in surprisingly urban situations.

N Hants: Not Ranked

Native

In beech woods or amongst scrub on chalk downland.

Cephalanthera longifolia* (L.) Fritsch*Narrow-leaved Helleborine****1850-2010****National Status: Vulnerable, Scarce, Native****NERC S41****UK BAP Priority Species****S Hants: Scarce**

Native

There are also records in the early 20th century from the Stockbridge and Otterbourne areas. South Hampshire is believed to contain the largest individual populations of this species in Britain (at Chappetts Copse).

Galley Down, Bishops Waltham	SU5718, SU5719	1975-1990	
Galley Down	SU573190	30-Aug-79	APNH
Galley Down	SU576187	1990	AJB
Galley Down	SU576188	1990	AJB
Hazel Holt, Corhampton	SU5819	1974	
Pinks Hill, Warnford	SU6123	1850	

Lower Peake Farm, Warnford	SU6322	1882-2010			
Wood, North Peake Farm	SU633225	27-May-10	NJ		4 plants.
Lower Peake Farm area	SU634225	11-Jun-72	RPB		1952 to 1972. Now much reduced owing to clearance of privet scrub... 37 spikes seen at SE corner at edge of wood and on bank close to road. Lane to Lower Peake Farm, off Old Winchester Hill Lane, Warnford.
Warnford, Peake Fm	SU634225	21-May-98	GJ & NJ		
Bullshead Copse	SU6421	1959-1990			
Bullshead Copse	SU643220	1990	PS		[Not refound in 2009.]
Chappetts Copse, West Meon	SU6522, SU6523	1955-2009			
Chappetts Copse SW	SU653230	28-May-09	HWT		
Chappett's Copse, West Meon	SU653231	05-Sep-03	MG		On road verge, SU6532 2310.
Chappetts Copse HWT reserve: compartment 6a	SU653232	28-May-09	HWT		
Chappetts Copse	SU653233	28-May-09	HWT		
Chappett's Copse, West Meon	SU653234	28-May-09	HWT		
Chappett's Copse S	SU654229	28-May-09	HWT		
Chappetts Copse	SU654230	28-May-09	HWT		
Chappetts Copse HWT, West Meon	SU654231	22-May-08	CRFH		
Chappett's Copse, West Meon	SU654232	28-May-09	HWT		
Chappetts Copse	SU654233	28-May-09	HWT		
Chappett's Copse, West Meon	SU654234	23-May-91	GHF		Site as 'Hen Wood'.
Hen Wood, East Meon	SU6522, SU6622	1975-2010			
Chappetts Copse	SU655225	17-Jun-08	NM		15 Just inside entrance to the reserve gone to seed, one or two dead flowers hanging on.
East Meon	SU655226	01-Jun-74	ARGM		
Hen Wood, East Meon	SU655228	1999	AN & AK		East Meon, Hen Wood. 10 spikes (2 flowering) in 1999.
Edge of Hen Wood	SU656229	28-May-10	NJ		10 plants.
Hen Wood, East Meon	SU657229	30-May-98	GJ & NJ		Just in from small wood in field.
Hen Wood, East Meon	SU660223	06-Sep-78	APNH		
Henwood, West Meon	SU660225	19-May-90	JRow		
Riplington Hanger, East Meon	SU6622, SU6623	1938-1995			
Halnaker Lane (north)	SU666229	31-May-95	FR		
Mascombe Bottom, East Meon	SU6722, SU6723	1930-2010			
Masoombe Bottom	SU675229	05-May-09	JCha		13 plants distributed between SU6758 2299 and SU6754 2305.
Masoombe Bottom	SU675230	27-May-10	NJ		8 flowering, 1 non flowering.
N of East Meon	SU676230	17-May-98	PAB		2 spikes.
Near Bereleigh House, East Meon	SU677229	1960	MB		
Drayton, East Meon	SU6723	1955-2010			
Drayton	SU673237	27-May-10	NJ		4 flowering 2 non flowering, SU6733 2372.
Nr Bereleigh House, East Meon	SU674238	2008	CRFH		2 spikes.
Coulters Dean, Buriton	SU7418, SU7419	1995-2009			
Coulters Dean	SU747190	1995	HWT		
Coulters Dean	SU747192	21-May-09	JAb & MGr		1 plant counted out in the open at SU7475 1922.
Coulter's Dean, Buriton	SU748195	23-Jun-99	DMit & MMit		Single plant on the fringe of a mature beech tree inside the fence line which separates the footpath from the downland.

N Hants: Scarce

Native

In beech woods or scrub on the chalk. Much more restricted in range than *C. damasonium*, with concentrations in the Wealden Edge Hangers and on the Herriard Estate. An anomalous site was found in 1973 in a small ditch under mixed pines and oaks at Longmoor, Woolmer Forest, but it did not persist.

Herriard Estate	SU6547, SU6647, SU6747, SU6748	1940-2009		
Hen Wood	SU654476	1983	WGH	In beech wood.
Hen Wood, Herriard	SU6647	01-Jul-76	FR	11 plants – E side of wood.
Hen Wood	SU665474	1981	FR	HBIC record.
Herriard Estate	SU670476	02-Jun-09	PRS & WGH	Ten plants beside track at c.SU6705 4760.
Herriard Estate	SU671477	21-May-03	ARGM, GJ & NJ	At SU6711 4772; 7 flowering, 20 not flowering, 5 seedlings. At SU6715 4776 ; 1 flowering.
Hummocks Clump	SU671477	23-May-07	JMil	HBIC record. At SU6717 4774.
Herriard	SU671476	14-Jun-77	FR	2 in flower – rest over.
Herriard Estate	SU672478	21-May-03	ARGM, GJ & NJ	At SU6720 4784; 1 flowering, beneath large beech. At SU6722 4780; 11 flowering, 1 not flowering.
Herriard Estate	SU672477	1988	PB	
Hen Wood, Herriard	SU673481	20-May-99	AJPB	SU673481 (& thereabouts).
Herriard Estate	SU673480	21-May-03	ARGM, GJ & NJ	At SU6738 4800; 1 flowering.
Hen Wood, Tunworth	SU674479	20-May-99	AJPB	16 plants in flower, 3 non-flowering.
Herriard Estate	SU675478	21-May-03	ARGM, GJ & NJ	At SU6754 4782; 1 flowering.
Herriard Estate	SU675477	02-Jul-99	ARGM	8 plants under beech beside track in wood growing with <i>Neottia nidus-avis</i> on Tunworth to Weston Corbett track.
Langrish	SU7024	1969-1983		
The Warren area	SU7228, SU7328	1941-2009		
The Warren, Hawkley	SU728284	1984	FR	
The Warren	SU729283	1990	DBa	
The Warren, Hawkley	SU730283	28-May-09	ARGM	Single non-flowering plant in wire cage at SU7302 2836, 8m SE of gate into fenced inclosure.
Hawkley Warren	SU730284	02-Jul-08	NM	
Oakshott, The Warren	SU730285	24-Apr-05	DBa	1 plant on The Warren trackside, SU730285, 5 plants with 4 flowering off track.
The Warren, Hawkley	SU731285	15-May-93	MNJ	Single plant.
The Warren, Hawkley	SU732285	1973	MS-W	
The Warren – above cottage	SU734287	18-Aug-78	FR	2 inflorescences – above path.
The Warren	SU734288	1993	DBa	11 plants, 1 flowered. [DBa reported none at this spot each year 1994-1999]
The Warren, Hawkley	SU7328	1996	AB	
Happersnapper Hanger	SU734285	1960	RPB	c.SU734285. Happersnapper Hanger, Oakshott. In light shade among scrub in beech/ash wood. Very local in fair quantity.
Hangers near Stoner Hill	SU7325, SU7326	1882-2010		
Ridge Hanger	SU731258	28-May-09	ARGM	One in flower at SU7316 2582 near path junction.
Stoner Hill, nr. Steep	SU731261	1953	RPB	Stoner Hill nr. Steep. Steep beech road bank under beech. Very local small patch.
Ridge Hanger	SU732257	1971	FR	HBIC record. 30 plants at SU7327 2578.
Stoner Hill	SU732258	28-May-09	ARGM	Six small non-flowering plants at SU7325 2580, this year not in wire cages as before.
Lutcombe Bottom	SU732264	17-Oct-78	APNH	HBIC record.
Old Stoner, Stoner Hill	SU733258	11-Jul-08	MR	7 in wire cages, SU7330 2580.
Stoner Hill	SU734257	1999	DBa	One plant.
Stoner Hill	SU735257	1953	MB	
Ashford Lodge	SU735258	09-Jun-10	NJ	12 plants at SU7352 2585.
Ashford Hanger, Wealden Edge Hanger	SU735259	24-Apr-05	DBa	25 plants with 18 flowering, Ashford Lodge garden.
Ashford Hanger, Stoner Hill	SU736266	07-Jul-77	JK	

Oakshott area	SU7327	1970-2005		
Oakshott Hanger	SU736274	01-Jun-77	FR	HBIC record.
Oakshott Hanger	SU736275	1982	FR	1970 – 82. c.100 spikes.
Oakshott Hanger	SU736277	1999	DBa	Juniper House. 28 plants, 7 flowered, no capsules.
Oakshott, Juniper House	SU737275	24-Apr-05	DBa	10 plants with 7 flowering.
Shoulder of Mutton area	SU7426	1987-2005		
Shoulder of Mutton Hill	SU738267	2004	FR	Mentioned by FR to ARGM on 21/4/05, 'a huge colony'.
Shoulder of Mutton Hill	SU740268	1996	FR	24 plants.
Little Shoulder of Mutton Hill	SU740269	1999	DBa	
Little Shoulder of Mutton	SU741267	09-Jul-97	JRow	HBIC record.
Little Shoulder of Mutton, Wealden Edge Hangers	SU742267	24-Apr-05	DBa	241 plants with 160 flowering.
Little Shoulder of Mutton, Wealdon Edge Hangers	SU742269	10-Jun-99	DBa	74 plants, 64 flowering, 76 seed capsules.
Wheatham Hill & Down Hanger area	SU7427	1900-2010		
Jacks Meadow	SU742271	1999	DBa	
Ashford Hangers	SU743270	19-May-10	JCre	Under beech and yew at SU7430 2705, on steep slope just below a path. Photo confirmed ARGM.
Middle path, Wealden Edge Hangers	SU743271	24-Apr-05	DBa	10 plants with none flowering.
Down Hanger, Wealden Edge Hangers	SU744273	24-Apr-05	DBa	4 plants with none flowering.
Down Hanger	SU744274	1996	DBa	1 plant non-flowering. W side of track under old beech. [DBa reported no plants at this spot for each year 1997-1999.]
Longmoor	SU7931	1973		

***Cephalanthera rubra* (L.) Rich.**

Red Helleborine
1926-2007

National Status: Critically Endangered, Rare, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8

S Hants: Not Recorded

Native

N Hants: Rare

Native

The flowering history of the colony in the hangers has been studied by DBa and is summarised in the selection of records below. It has appeared at several different spots, spread over several hundred metres. The 1926 record is included here in full for interest.

Upper Test Catchment	SU34	1926		
Upper Test Catchment	SU34	1926	EMW	[This record in Rayner's 1929 supplement to the Flora of Hampshire gives the site as 'Sub-district V1.(1)', the Upper Test Catchment.]

Hampshire Hangers SU72J		1986-2007			
Hampshire Hangers	SU72J	Aug-86	KT & JRWH	DBa	One plant in flower and at least nine non-flowering plants in steep beechwood, facing NW, 4 plants, 2 flowered.
Hampshire Hangers	SU72J	1987	DBa		2 plants, 1 flowered, 1 capsule produced.
Hampshire Hangers	SU72J	04-Jul-89	FR		One still in flower; 2 nd flower bitten off.
Hampshire Hangers	SU72J	1990	DBa		1 plant, did not flower.
Hampshire Hangers	SU72J	1991	DBa		4 plants, 1 flowered.
Hampshire Hangers	SU72J	1992	DBa		6 plants, none flowered.
Hampshire Hangers	SU72J	1993	DBa		4 plants: 2 plants flowered & produced 1 capsule each.
Hampshire Hangers	SU72J	20-Jun-93	FR		4 plants ; 3 inflorescences.
Hampshire Hangers	SU72J	1994	DBa		3 plants, none flowered.
Hampshire Hangers	SU72J	1995	DBa		4 plants, 3 flowered, 2 of which produced a total of 4 capsules between them.
Hampshire Hangers	SU72J	24-Jun-95	FR		One huge spike in bud, c.14 florets + 1 blind plant.
Hampshire Hangers	SU72J	09-Jul-95	CRH		One large spike with 13 florets, plus four non-flowering plants nearby.
Hampshire Hangers	SU72J	1996	DBa		2 plants, both flowered.
Hampshire Hangers	SU72J	1997	DBa		3 plants, 3 flowered, but 1 damaged.
Hampshire Hangers	SU72J	1998	DBa		3 plants, 3 flowered, of which 2 produced a total of 5 capsules between them.
Hampshire Hangers	SU72J	1999	DBa		2 plants, 1 flowered, 1 capsule.
Hampshire Hangers	SU72J	15-Jun-99	BGo & JGo		One plant with 7 flower buds, caged on steep W-facing slope.
Hampshire Hangers	SU72J	30-Jun-00	DBa & FR		One fine inflorescence with 9 florets (but broken above and hanging).
Hampshire Hangers	SU72J	10-Jul-05	ARGM		Several metal cages present. Two contained <i>Platanthera chlorantha</i> but most are empty. Two small sickly plants found in a cage and two small plants nearby are probably <i>C. longifolia</i> though it is difficult to be certain. They are definitely not <i>C. damasonium</i> .
Hampshire Hangers	SU72J	09-Jul-07	ARGM & FJR		Two very sickly tiny plants inside separate cage, but no flowers. [ARGM returned on 26 June 2008 but none found at all, and the cages had been removed.]
Hampshire Hangers	SU72J	21-Jun-07	JGood		Photo sent to ARGM in 2009 of a caged plant found in 2007 with two fairly advanced buds.

***Cephalanthera x schulzei* E.G. Camus, Bergon & A. Camus**
Hybrid White x Narrow-leaved Helleborine
1955-2009

National Status: Unlisted, Rare, Native

S Hants: Rare

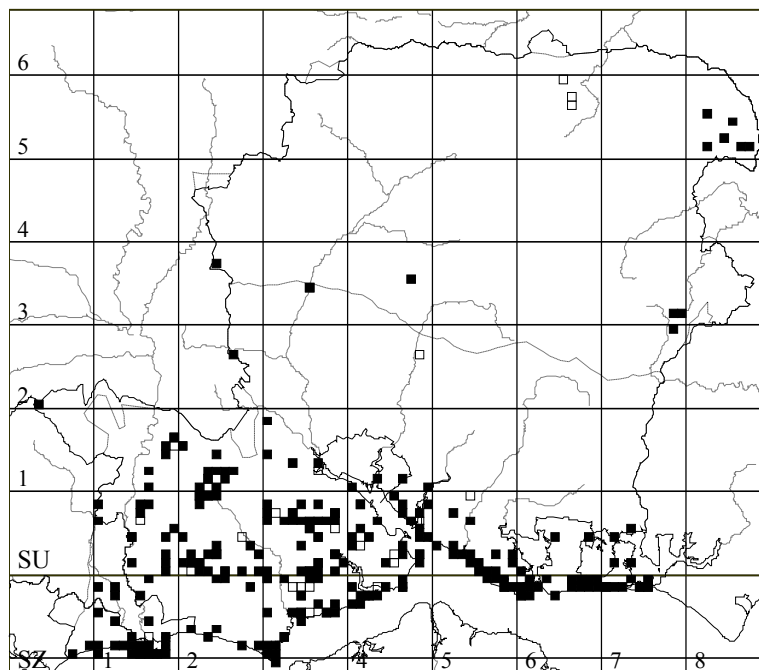
Native

All British records are currently from Hampshire and West Sussex, where the parents most frequently occur together.

Chappetts Copse, West Meon SU6522, SU6523		1955-2009			
Chappett's Copse, West Meon	SU654231	28-May-09	ARGM		Photograph of a single plant that I think is the hybrid at SU6540 2318, amongst much <i>C. longifolia</i> .
Chappett's Copse, West Meon	SU654232	27-May-01	CRFH		Single plant, damaged by slugs, but still flowering. Leaf shape very distinctive. Also marking on seed pod not distinct and with no rotation.
East Meon	SU655226	01-Jun-74	CRFH		
Drayton, East Meon	SU6723	1973			
Queen Elizabeth Forest, Buriton	SU7319	1983			

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Widespread in short open turf and other open habitats on both the coast and the New Forest grasslands. Elsewhere, usually a suspected introduction with material for railways, roads, car parks etc.

N Hants: Scarce

Native

Seems to prefer well-drained sparse turf or bare areas, often on sandy soils. Well known to prefer coastal areas, but its relative scarcity in VC12 compared to VC11 could also be influenced to some extent by under-recording.

Porton Down Porton Down. Isle of Wight Hill	SU2437 SU248375	2008 15-Jun-08	ARGM	Several plants at edge of tarmac turning circle at SU2489 3755. They have entirely green uppermost bracts with no scarious margin. Sepals have a narrow scarious margin. Pedicels much longer than sepals and erect.
Worthy Down Worthy Down, disused railway	SU4735 SU479351	2006 19-May-06	ARGM	Disused railway line at Worthy Down, on open area of compacted broken tarmac, gravel and disturbed soil adjacent to MOD fence.
Bramley	SU6656, SU6657	1980		
Longmoor	SU7829, SU7831, SU7931	1995-2008		
Longmoor	SU7829	10-Jul-08	MR	
Longmoor Road, verge	SU7831	07-May-96	FR	
Woolmer Road, nr A3	SU790313	1996	FR	Both sides of Woolmer Road.
Fleet Pond area Fleet Pond	SU8255 SU823553	1993-2006 21-May-06	ARGM	Hb.ARGM, locally plentiful at SU8236 5537 in short turf near the railway on dry heath at Fleet Pond, where CRH reported it on 17 May 2006.
Fleet Pond / Minley	SU827554	14-Jun-02	JAN & DRA	In clearing.

Bourley Bourley Road, Tweseldown	SU8251 SU824517	2000-2009 21-Apr-09	CRH	For c.75m on road verge SU8242 5172 to SU8248 5167, often mixed with other Cerastium species and Cochlearia danica.
Bourley Road, Tweseldown	SU823518	21-Apr-09	CRH	Plentiful on road verge at SU8233 5183.
Eelmoor Hill A323 Fleet Road, Eelmoor Hill	SU8452 SU841528	1997-1999 11-Apr-99	CRH	c.SU841528, c.25 plants.
Farnborough Farnborough	SU8554 SU857546	2005-2009 22-Apr-09	CRH	On road verge of Elles Road at SU8571 5462, mixed with other Cerastium species.
Aldershot Montgomery Lines area, Aldershot	SU8651, SU8751 SU8651	1991-1996 19-Apr-96	CRH	Allison's Road, on central reservation and verges and now spread along c.1km of the road SU8751/8651.
Montgomery Lines, Aldershot	SU870517	1991	ARGM & CRH	Common along road-verge through Aldershot military town, SU 870 517½.
Aldershot	SU8751	19-Apr-96	CRH	Allison's Road, on central reservation and verges and now spread along c.1km of the road SU8751/8651.

***Cerastium pumilum* Curtis**

Dwarf Mouse-ear 1951-2005

National Status: Near Threatened, Scarce, Native

S Hants: Extinct

Native

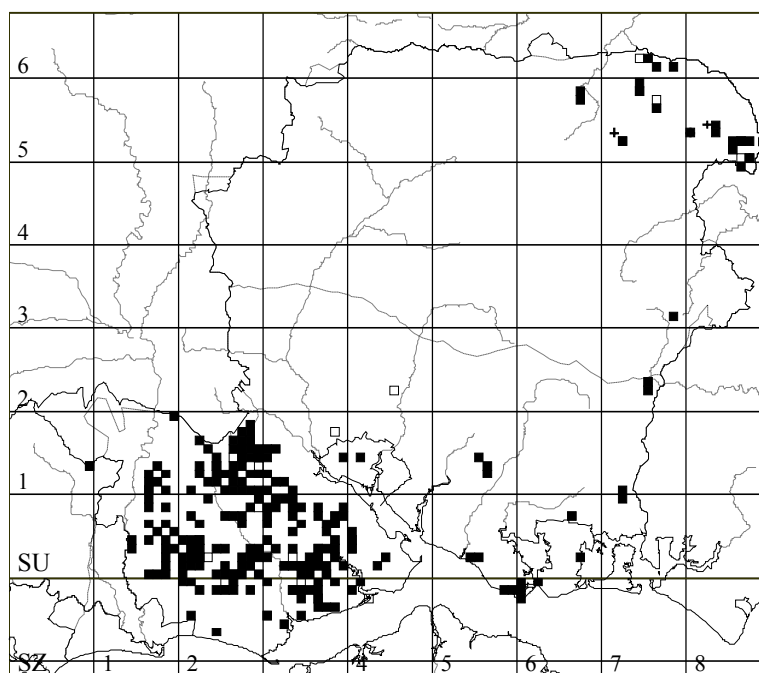
Found once, in 1951 by AWW at Paulsgrove (SU6306), where it could not be refound in 1984.

N Hants: Rare

Native

Only found on bare chalk.

Porton Down Porton Down Porton Down	SU2437 SU238381 SU246375	2004-2005 2005 29-May-04	PJW HFG	On VC8/12 border at Tower Hill. 20 plants in middle of track at SU2469 3757.
Beacon Hill	SU4557	1960		
Morn Hill, Winchester Morn Hill, Winchester	SU5129 SU518292	2003 05-May-03	PAB	On bare chalky soil SE of Intech buildings.
Micheldever Spoil Heaps Micheldever Spoil Heaps HWT reserve Micheldever Spoil Heaps HWT reserve Micheldever Station, N of A303, Micheldever Spoils Reserve Popham Beacons, nr Micheldever	SU5144, SU5244 SU519444 SU520444 SU520445 SU524442	1957-2005 16-Jun-91 1994 08-Jun-05 1965	HFG EAP MEdw & ARGM ECW & RAB	[Grid ref. deduced from annotated map, 2 locations marked, both within SU519444.] Found in 2 places. 5+ plants on partly-bare ground in car park, SU5206 4451, near to Cerastium semidecandrum, Teucrium botrys & Catapodium rigidum.

Chamaemelum nobile* (L.) All.*Chamomile
1766-2010****National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species****S Hants: Not Ranked**

Widespread and abundant on the New Forest, occasional in coastal winter-wet acid grassland, rare and often impermanent elsewhere.

N Hants: Infrequent

Confined to short grazed or mown turf on acid soils and a feature of many playing fields in NE Hants.

Chenopodium bonus-henricus* L.*Good-King-Henry
1799-2010****National Status: Vulnerable, Not Scarce, Archaeophyte****S Hants: Scarce**

Archaeophyte

As elsewhere in the country, this species appears to be in severe decline, perhaps where relics of former cultivation disappear. Also previously recorded in the South Gorley area (SU11Q), Hamble / Warsash area (SU40Y), Shawford area (SU42S), Twyford Down (SU42Y), Fareham, and Gosport (SU50).

Avon, Sopley Avon, Sopley	SZ1597 SZ150979	1990 23-Jun-90	GHF	As 'SU150979, Avon, Hampshire'. [Assume SZ is intended – DRA].
Hordle Ashley & Hordle	SZ2694 SZ261947	1998 14-Aug-98	VS	Lower Ashley Road, Hordle.
Lockerley Green	SU2926	1964		
Horsebridge Mill	SU3430	1959		
Skidmore Farm, Lee	SU3518	1949-1950		

Stockbridge Common Marsh	SU3534	1964-2007		
Stockbridge Common	SU356345	28-May-02	BGo & JGo	Fifteen clumps counted near gateway on to the Common.
Stockbridge Common	SU356346	29-May-07	MR & GCo	30-40 plants, disturbed NE corner of common, SU3569 3468.
Stoneham Lane, Eastleigh	SU4417	1968-1969		
Townhill Park, Southampton	SU4515	1968		
Fishers Pond	SU4820	1999		
Colden Common	SU4820	02-Sep-99	ABa, LMar & MHa	
Colden Common	SU4822	1968		
Rowlands Castle	SU7311	1959		
Holdenhurst	SZ1395	2005		
Holdenhurst STW etc	SZ1395	Jul-05	RMW & JCre	

N Hants: Scarce

Archaeophyte

In addition to the sites listed below, there are many more old records only given at tetrad level. This demonstrates its rapid decline, and it is unusual for it to persist very long at any given site.

Appleshaw	SU3047	1952		
Clanville area	SU3149	1991		
Clanville area, Appleshaw	SU3149	1991	MFW	Soper's Bottom, on dumped farm-waste.
Chilbolton Common	SU3940	1969-1989		
Chilbolton Common	SU391401	1969	AJB	
Chilbolton Common	SU391401	1989	AJB	6 plants.
Stoke	SU4051	1967		
Bransbury Common	SU4142	1965		
Egbury	SU4352	1969		
Bradley Wood, Whitchurch	SU4552	1978		
Aldersbrook, Headley	SU5063	2010		
Aldersbrook, Headley	SU507630	25-Jul-10	ARGM & HFG	Abundant at SU5071 6301 as a weed in a garden, presumably originally planted.
Kingsclere Churchyard	SU5258	1896		
Woodmancott, Dummer	SU5642	1969		
Abbotstone	SU5634	1965		
Preston Candover	SU6041	1962-1966		
Bradley	SU6341	1999		
Bradley	SU634417	27-Aug-99	ARGM & DBr	Single plant on road verge at junction.
Old Basing	SU6652	1963-1965		
Silchester, nr Church	SU6462	1954		
Farnfield Farm, Privett	SU6827	2007		
Farnfield Farm, Privett	SU684272	31-Jul-07	PAB	

Priory Farm, Selborne	SU7534	1986
Lord Mayor Treloar College	SU7542	1952
Binstead	SU7740	1959

***Chenopodium glaucum* L.**

**Oak-leaved Goosefoot
1921-2010**

National Status: Vulnerable, Scarce, Archaeophyte or Native

S Hants: Scarce

Archaeophyte or Native

Apart from the coastal sites, now largely as an impermanent recent introduction. Also recorded in the past in the New Forest area, the Redbridge area (SU31R), Romsey area (SU32), and Eastleigh (SU41).

Milford-on-Sea	SZ2891	1971		
Keyhaven Marshes	SZ3091, SZ3191	2009-2010		
Keyhaven Marshes	SZ309917	11-Sep-10	HFG	7 plants amongst plentiful <i>C. rubrum</i> beside drinking trough.
Keyhaven Marsh	SZ314917	12-Sep-09	MR, MWR & GCo	Many hundreds of plants in large salt pan at back of pond behind sea defences, c. SZ3141 9178.
Keyhaven Marsh	SZ314918	11-Sep-10	HFG	Large patch scattered over c. 10m x 8m, probably several hundred, SZ3140 9180, edge of saline lagoon behind sea-wall.
Sowley Pond	SZ3796	1921-1937		
Hilliers Arboretum, Ampfield	SU3723	1995		
Hilliers Arboretum	SU379237	02-Sep-95	EJC	Nr Jermyns House. Hilliers Arboretum herbarium.
Dibden Bay	SU4109	2000		
Dibden Bay (part)	SU410097	01-Sep-00	HCC	
West End	SU4614	2009		
September Close, West End	SU465142	19-Aug-09	PAB	On a kerb-side.
Whiteley	SU5209, SU5309	2003-2004		
East of Gull Coppice Whiteley	SU525098	05-Aug-04	PAB	
Tesco CP, Whiteley	SU531099	19-Jun-03	PJSe & KPi	Single plant with other <i>Chenopodiums</i> . Very much the same as specimens from Gosport obtained last year.
Seafield Park	SU5401	2008		
Seafield Park – Compartment 5	SU548018	11-Aug-08	PAB	In flowerbeds around car park.
Elmore, Lee-on-the-Solent	SZ5799	2002		
Elmore	SZ570996	29-Aug-02	DRA, EJC & NMR	Disturbed soil by new causeway, opposite South Place. Frequent.
Portsmouth Road, Browdown	SZ572996	30-Aug-02	EJC & PJSe	Several plants found and colour difference between upper and lower surfaces very distinctive.
Hardway, Gosport	SU6101	2003		
Britannia Way / Orion Avenue, Hardway	SU613013	21-Aug-03	PJSe, EJC & DRA	Rough ground S of Orion Ave.
Port Solent	SU6305	1993		
Landfill site Port Solent	SU6305	30-Jul-93	RBa	

N Hants: Rare

Archaeophyte

A casual of disturbed soil or roadsides. Also recorded (but not with 1km precision) on the dried bed of Fleet Pond in 1941 (which was drained during the war to confuse German pilots).

Winnall, roundabout Winnall	SU4930 SU496304	2005-2010 11-Sep-10	ARGM	At least 20 plants at SU4968 3041 on the south part of the M3 junction 9 roundabout.
M3 / A34 interchange, Winnall	SU497304	16-Aug-05	ARGM	Five plants growing in pavement on southern part of the roundabout at SU4970 3041, found earlier by MR.
Itchen Stoke	SU5532	1968		
Eelmoor, Laffan's Plain area	SU8452, SU8453	1932-1953		
Aldershot, A325	SU8652	1973		
Farnborough Farnborough	SU8655 SU866552	1990 1990	CRH	Road verge – 10 plants.

Chenopodium hybridum* L.*Maple-leaved Goosefoot
1876-2010****National Status: Not Scarce, Archaeophyte****S Hants: Scarce**

Archaeophyte

Recorded widely elsewhere in the past but nearly always as an impersistent plant of waste ground.

Southbourne Southbourne etc	SZ1391 SZ1391	2006 18-Aug-06	RMW	
Woodgreen	SU1701	1983		
Highcliffe Lyme Crescent, Highcliffe	SZ2093 SZ208935	2007 23-Oct-07	DL	Disturbed ground.
Nursling Gravel Pit	SU3515	1964-1966		
Hiltingbury Hiltingbury	SU4421 SU444219	2005 31-Aug-05	BGo & ARGM	A bird-seed alien in a garden, shown to ARGM by BGo.
Ridding Meads, Winchester By Ridding Meads, Winchester	SU4828 SU481285	1970-1999 1970	AB	Winchester, waste ground by the river. Hb. AB.
Winchester College Art School, Ridding Meads	SU481285	1979	AB	Garden weed.
Winchester	SU483288	30-Jul-99	ABa, LMar & MHa	Rubbish dump Nr New Hall College. Conf EJC.
Durley Durley	SU5116 SU519163	1997 01-Jun-97	PS	Manured farmyard. Scattered plants on farmyard and roadside bank Hb. RPB. Rare, 8 plants.

N Hants: Rare

Archaeophyte

There are other old records that are less localised, but it does not persist and has become a casualty of improved farming methods. Recently also found in a large area of disturbed soil at Thruxton.

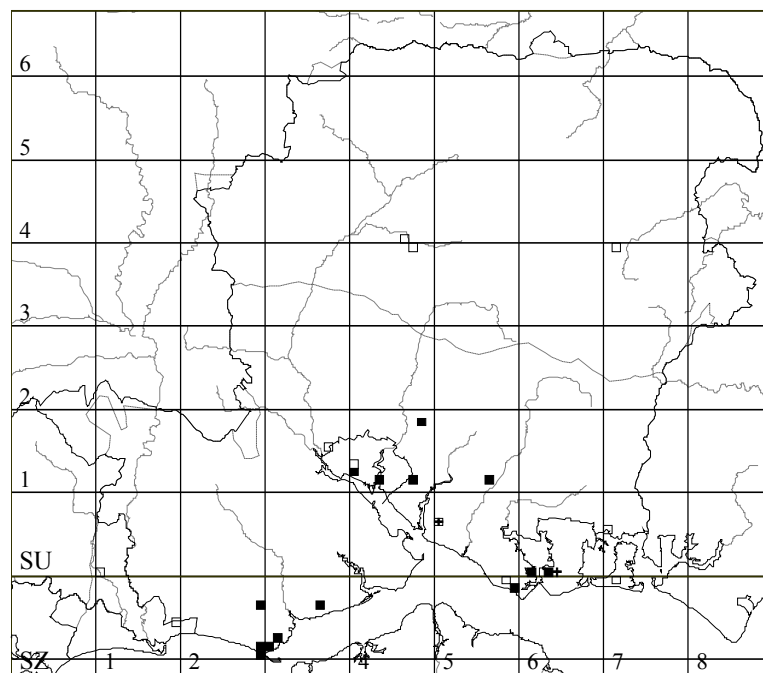
Quarley Hill Quarley Hill, S of Quarley	SU2743 SU270432	2009 19-Sep-09	GFa	Scattered at SU2702 4327 on the footpath along the southern headland of a newly-tilled field, SW of the village. Voucher specimen collected JRM on 29 Sep 2009.
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Thrupton Race Circuit, S of	SU2745	2009-2010		
Thrupton Race Circuit, S of	SU276450	17-Oct-09	ARGM, EJC & MHod	Numerous scattered plants, e.g. at SU2765 4503 and SU2769 4505. On waste ground subject to much disturbance and urban/building waste dumping.
Thrupton Race Circuit, S of	SU277450	03-Oct-09	ARGM, EJC & MHod	Numerous scattered plants, e.g. SU2770 4505, SU2771 4505. On waste ground subject to much disturbance and urban/building waste dumping.
Thrupton Race Circuit, S of	SU277450	10-Oct-10	ARGM & HFG	At SU2754 4503.
Thrupton Race Circuit, S of	SU277451	03-Oct-09	ARGM, EJC & MHod	Numerous scattered plants, e.g. SU2779 4510, SU2777 4510. On waste ground subject to much disturbance and urban/building waste dumping.
Over Wallop	SU2838	1982		
Nether Wallop	SU3036	1984		
Winnall Down Farm	SU5029	1984		

***Chenopodium murale* L.**

Nettle-leaved Goosefoot **1848-2005**

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Infrequent

Occasional and never persistent in one spot on manure heaps, arable and waste ground.

Archaeophyte

N Hants: Rare or Extinct

Has also occurred in the past on several farms only located to tetrad level, and as a shoddy weed at Blackmoor Fruit Farm SU73R in 1964.

Archaeophyte

Egypt, Sutton Scotney	SU4640	1984
Old House, Wonston	SU4739	1969
Alton, Amery Farm	SU7139	1977

Chenopodium vulvaria L.**Stinking Goosefoot****1844-2001****National Status: Endangered, Scarce, Archaeophyte****NERC S41****UK BAP Priority Species****WCA Schedule 8****S Hants: Rare**

Archaeophyte and Neophyte

Recorded from coastal districts and as a casual inland during the 19th and early 20th century. The last record in a semi-natural habitat was at Hayling Island (SU70) in 1920. More recent records are all casual occurrences. There is a doubtful record from Hilliers Arboretum (SU3723) in 1987.

Rockbourne area SU1216 1967

Alverstoke, Gosport SZ6099 2001
 Alverstoke SZ602989 05-Aug-01 PJSe Appeared in garden of 54 Anglesey Rd.

N Hants: Not Recorded**Chrysosplenium alternifolium L.****Alternate-leaved Golden-saxifrage****1650-2010****National Status: Not Scarce, Native****S Hants: Rare**

Native

On base-rich spring lines now confined to the Bargate Beds; the Crampmoor site on Eocene strata is known to have been destroyed by 1981. A number of dubious records from other parts of the county have been withheld.

Crampmoor, Romsey SU3822, SU3922 1960-1980

Sheet SU7624 1959-2010
 Sheet SU760242 11-Apr-05 ARGM Main site for it in this wood, with 85 flower spikes, in ditches leading from a spring. Very close to adjoining gardens, opposite sharp loop in river, SU7607 2428.

Sheet SU761243 27-Apr-10 EJC & GHo A few plants in the copse on boggy ground near the Rother, SU7613 2433.

Sheet SU761244 11-Apr-05 ARGM Two patches 10m apart, both c.9m from W bank of river on minor grassy track, totalling 16 flower spikes.

Sheet SU762243 1998 FR
 Sheet Mill Alders SU763240 12-Aug-93 JRow HBIC record. Occasional.

Whitrow Moor SU7723 1983-1994
 R Rother SU770235 12-Feb-83 RPB Penns Place Nr Petersfield Swampy Alder Carr (RPB Species List).

Whitrow Moor SU7723 1994 AB

N Hants: Scarce

Native

Invariably found growing with *Chrysosplenium oppositifolium* yet far more exacting in its requirements, and confined to spring lines in carr where the water presumably contains the minerals it demands. Its stronghold is in springs feeding the River Rother from just within VC11 northwards via Adhurst St Mary to Stodham.

Lutcombe Bottom SU7326 1919-2005
 Lutcombe Bottom SU732264 17-Oct-78 APNH HBIC record.
 Lutcombe Bottom SU734264 04-May-05 DBa Only 2 plants, population declining.
 Lutcombe Stream SU734265 1999 DBa

Ashford Hanger	SU7326, SU7426	1997-2000			
Ashford Hill & Berryfield Hanger	SU735265	05-Mar-97	JRow	HBIC record.	
Ashford Hanger, E of Berryfield Hanger	SU740267	26-Mar-00	FR	Very local on island. [Grid ref. looks inaccurate – ARGM]	
Adhurst, close to River Rother	SU7624, SU7625	1976-2005			
Adhurst St Mary	SU760252	11-Apr-05	ARGM	29 flower spikes. One of four separate nearby colonies found near E bank of River Rother.	
Adhurst St Mary	SU761248	11-Apr-05	ARGM	Two flower spikes. One of four separate nearby colonies found near E bank of River Rother.	
Adhurst St Mary	SU761249	11-Apr-05	ARGM	21 flower spikes. One of four separate nearby colonies found near E bank of River Rother.	
Adhurst St Mary	SU761250	11-Apr-05	ARGM	3 flower spikes. One of four separate nearby colonies found near E bank of River Rother.	
Stodham	SU7625, SU7626, SU7725, SU7726	1976-2005			
Stodham	SU768259	30-Mar-05	ARGM	Two patches of 100+ spikes each, at SU7683 2590 and 80 spikes at SU7688 2594.	
Stodham	SU769259	30-Mar-05	ARGM	Scattered colonies totalling hundreds of plants in woodland on N side of river amongst much C. oppositifolium. 10 spikes at SU7690 2593.	
Stodham	SU769260	30-Mar-05	ARGM	Hundreds of plants on north side of river with c.500 spikes at SU7693 2600.	
R Rother, Stodham Park	SU769261	1998	FR		
Tankerdale Lane, Stodham	SU770260	20-Mar-00	FR	Abundant in wood and by road to Brown House.	
Stodham Lane	SU7725	01-Apr-01	FR	Very rare this year only one in flower at far end.	
Liss	SU7728	2001			
Rotherhurst, St. Mary's Road, Liss	SU777281	01-Apr-01	FR	Now established but not in flower this year. [At that time this was FR's house, so possibly he introduced it there – ARGM]	
Linchborough to Conford area	SU8133, SU8134	1960-2008			
Linchborough, E of Hollywater Pond	SU812334	30-Mar-05	WHW & ARGM	4 spikes at SU8120 3345 (amongst C. oppositifolium).	
Linchborough, E of Hollywater Pond	SU812335	30-Mar-05	WHW & ARGM	2 flower spikes at SU8128 3352 and 3 at 8125 3351 amongst much C. oppositifolium. No doubt it also extends much further to E towards the pond.	
Linchborough, E of Hollywater Pond	SU813335	30-Mar-05	WHW & ARGM	3 flower spikes at SU8131 3354 amongst much C. oppositifolium on S side of stream.	
Linchborough, E of Hollywater Pond	SU813336	30-Mar-05	WHW & ARGM	15 flower spikes on SE bank of stream within 5m of bridge, amongst C. oppositifolium.	
Linchborough Wood	SU813336	07-Apr-08	NM		
Passfield	SU8134	25-Jun-96	FR	Wood S of Whitehill Road, by bridge.	
Holly Water stream	SU817333	30-Mar-05	WHW & ARGM	5 flower spikes at SU8178 3331 a few metres E of bridleway.	
Headley Park	SU8138	1960-1994			
Headley Park	SU8138	1994	FR	Branch of River Wey.	
Holly Water stream	SU8232, SU8233	1960-1994			
Holly Water stream	SU8232	1994	FR	Branch of River Wey.	
Holly Water stream	SU8233	1994	FR	Branch of River Wey.	
Conford Moor	SU821334	27-May-87	HCC	HBIC record.	
Griggs Green Copse	SU826324	26-Oct-89	JRow	HBIC record. VC13 but Hampshire.	
Arford	SU8237	1960-1994			
Arford	SU8237	1994	FR	Branch of River Wey.	
Wishanger	SU8238	1990-2003			
Wishanger	SU827387	06-Jul-03	ARGM	A small patch at SU8272 3877 in small muddy side ditch parallel to fenceline within 10m of major springhead.	
Mellow Farm	SU827388	22-May-90	JRow	HBIC record.	

***Cicendia filiformis* (L.) Delarbre**

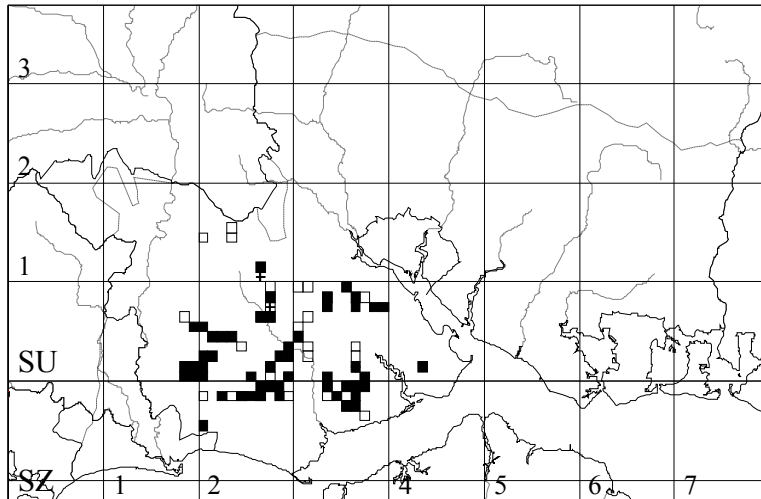
Yellow Centaury
1789-2009

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Not Ranked

Native

Confined to the New Forest. The high proportion of pre-1987 records on the map should not automatically be taken as a decline, as a systematic search of old sites has not been conducted recently.

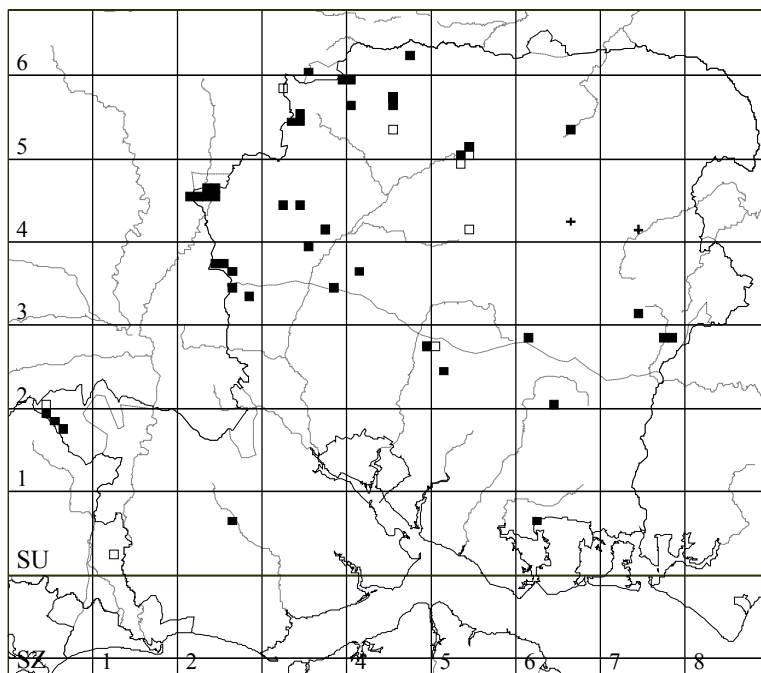


N Hants: Not Recorded

***Cirsium eriophorum* (L.) Scop.**

Woolly Thistle
1617-2009

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Surprisingly local in S Hants; numbers can evidently fluctuate considerably but the only place with a strong population at present appears to be Martin Down (SU01). Retained in this issue of the Register as it is borderline Scarce.

N Hants: Not Ranked

Native

The sites are well scattered across VC12, usually on surviving areas of chalk grassland, with the main concentrations near the Wiltshire border around Shipton Bellinger and at Porton Down.

Cirsium x boulayi* E. G. Camus*Hybrid Stemless x Creeping Thistle
1897-2002****National Status: Unlisted, Rare, Native****S Hants: Not Recorded****N Hants: Rare**

Native

Cirsium acaule often has quite tall stems (*C. acaule* forma *caulescens*) and initially the specimen collected in 2002 was tentatively assigned to that taxon, but luckily it was retained and expertly determined as this hybrid in 2007. In a private communication to ARGM on 7 Mar 2007, KJW stated that there have been very few confirmed British records of this hybrid, but one of them was for Sutton Common, North Hampshire in 1897, with a specimen in OXF. This probably refers to the Sutton Common in SU7345, but possibly refers to Sutton Down in SU43N.

Porton Down	SU2439	2002			
Porton Down	SU248393	27-Jul-02	ARGM	On corner of track at SU2484 3932. Specimen det. KJW on 7 Mar 2007.	

Cirsium x forsteri* (Sm.) Loudon*Hybrid Meadow x Marsh Thistle
1866-1996****National Status: Unlisted, Scarce, Native****S Hants: Extinct**

Native

Last recorded in 1929, but it seems improbable that it does not occur on the Forest where its parents are both widespread, and it should be looked for.

N Hants: Rare

Native

Although we only have two records localised to 1km precision, there are tetrad-level records for SU35M, SU66F, SU75K, SU76R, SU83G, SU85E, SU85H and SU85S.

Castle Bottom	SU8059	1996			
Castle Bottom	SU802594	19-Jul-96	CRH	1 plant at Castle Bottom.	
Fleet Pond	SU8254	1984-1987			
Fleet Pond	SU825548	1987	CRH	1984-87. SU8250 5487. [Not seen again after 1987].	
Fleet Pond LNR	SU825549	1986	ARGM & CRH	First found by CRH in 1984, det. FR, 3 plants still present in 1986.	

Cladium mariscus* (L.) Pohl*Great Fen-sedge
1835-2010****National Status: Not Scarce, Native****S Hants: Rare or Scarce**

Native and Introduced

Probably a native fen relic in most of the sites given below, although an introduction at Lower Pennington.

Lower Pennington Nr Iley Lane, Lower Pennington	SZ3193 SZ313933	2009 18-Jul-09	DL	SE side of lake N of tip near Iley Lane.
Sowley Pond	SZ3796, SZ3797 SZ375967	1849-2003 1990	DCW	Wooded promontory on N shore, 2 clumps c.10 x 3m, 3 x 3m.
Lower Beckheath Inclosure	SZ375970	18-Jun-03	ILR	
Sowley Pond	SZ376967	27-Jul-99	MEY	2 clumps seen from pond.
Sowley Pond area	SZ3796	1849	WAB	E. side of Sowley Pond.
Bishops Waltham Millpond	SU5516	1960		
Browdown N, Gosport	SZ5899	1835-2010		
North Browdown S fen	SZ581994	20-Jun-00	JAN & DRA	SZ5814 9944 Near the stream, seems to be doing very well.
Browdown Common fen / Gomer Pond	SZ582994	16-Jul-10	DRA, JAN & EJC	Frequent.
North Browdown fen (Gomer Pond)	SZ583994	30-May-02	JAN & DRA	Frequent (-very locally dominant), below Salix cinerea.
Browdown North	SZ583996	01-Aug-97	MJS	Abundant.
Browdown N of A3333	SZ585995	31-Jul-99	EJC & PJSe	Several plants in fen area with Phragmites.
Gilkicker, Gosport	SZ6097	1986-2007		
Gilkicker Point	SZ604976	02-Jun-07	BSBI	SZ6048 9763. One large clump in wet depression.
Gilkicker	SZ605975	02-Jun-98	DRA	
Gilkicker	SZ605976	16-May-97	MJS	Det EJC.
Gilkicker Point	SZ606976	06-Jul-99	BGo & JGo	In wet area inland from shingle & near Fort Gilkicker.
Fort Gilkicker	SZ607978	22-Jul-00	EJC & PJSe	SZ60770 97801, 1 plant.
Rudley Mill	SU6212	1920-1945		

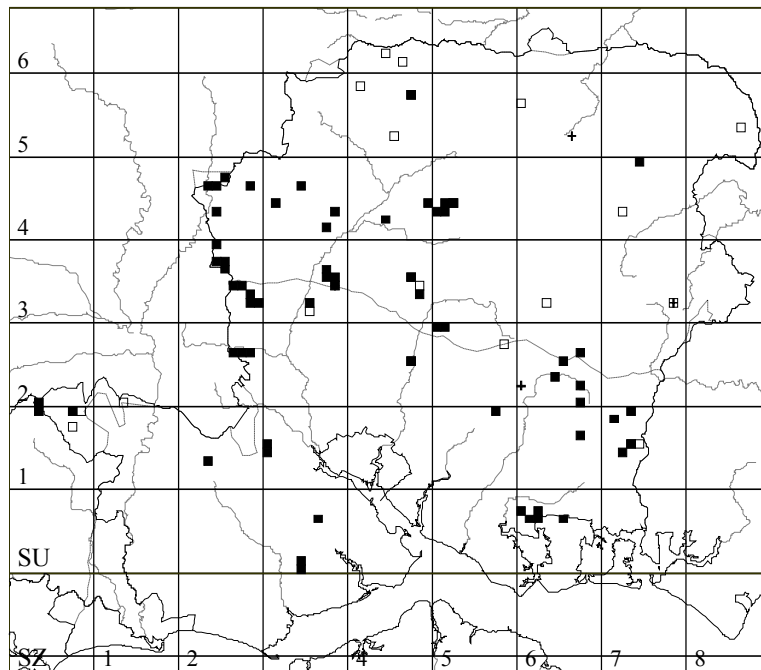
N Hants: Rare

Native

Probably planted at the Liphook site, but ECW recorded it at Greywell Fen in 1936, where it would have been native, but later became shaded out. The only record for Greywell Fen localised to at least a 1km square (from HBIC) gives it as SU718507, recorded by FR in 1975.

Greywell Fen	SU7150	1975		
Liphook, Foley Estate	SU8030	1998		
Liphook, Foley Estate	SU830306	10-May-98	ARGM	Abundant around large pond. Well established but surely planted originally.

National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species



S Hants: Infrequent

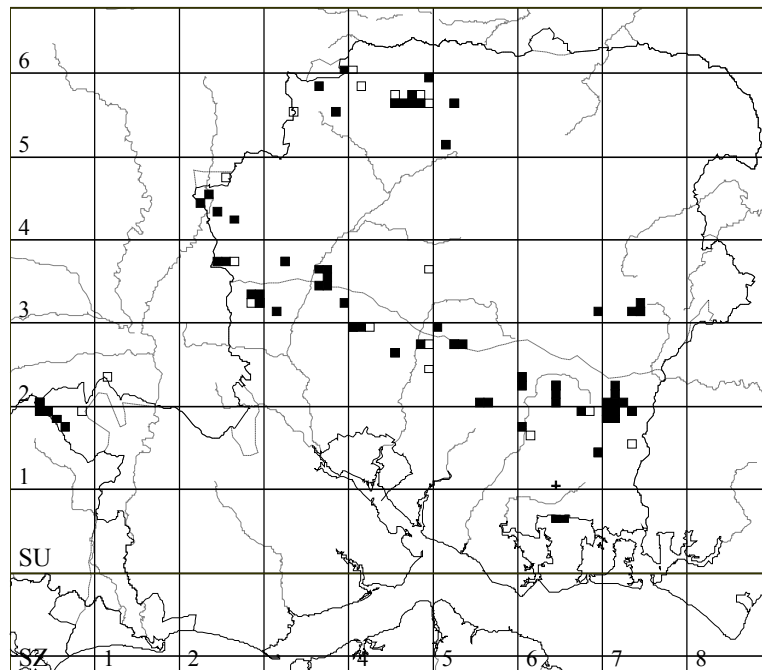
Native

Scattered but still widespread and occasionally abundant on the chalk; no longer recorded as an arable plant, usually occurring in disturbed sites and trackways on downland. Like many other calcicoles it has found its way onto old aerodromes on the New Forest where concrete and mortar have been used.

N Hants: Not Ranked

Native

Scattered mainly across the western chalk, and preferring bare chalk patches or the disturbed edges of tracks. More rarely it has occurred on dry sandy soils. It has been lost from many sites and is declining.

Coeloglossum viride (L.) Hartm.**Frog Orchid**
1799-2010**National Status: Vulnerable, Not Scarce, Native**
NERC S41
UK BAP Priority Species**S Hants: Infrequent**

Native

Rarely recorded in large numbers in recent years; while stable populations survive on the larger downland reserves, it declines in smaller sites where there is a lack of grazing.

N Hants: Infrequent

Native

Numbers can fluctuate remarkably from year to year. At Noar Hill on 16 July 2005 a record total of 301 flower spikes were counted during an intensive search, with 162 of them on one small steep bank. Yet in 2006 only 83 could be found for the whole of Noar Hill. It is however a very inconspicuous plant that can easily be missed unless a systematic search is made. It can flower at widely different times from year to year. At Noar Hill it was noted in bud on 30 May 2005, yet on 18 Sep 2010 eight flower spikes were found there, all looking fresh. There is even a record as late as 6 Nov 1985, but not explicitly stating whether it was in flower.

Colchicum autumnale L.**Meadow Saffron**
1823-2005**National Status: Near Threatened, Not Scarce, Native****S Hants: Rare or Extinct**

Native and Introduced

Also recorded at Shedfield (SU51) in the past.

Boulsbury Wood **SU0715** **1976**

Home Covert, Nursling **SU3716** **1953**

N Hants : Scarce

Native and Introduced

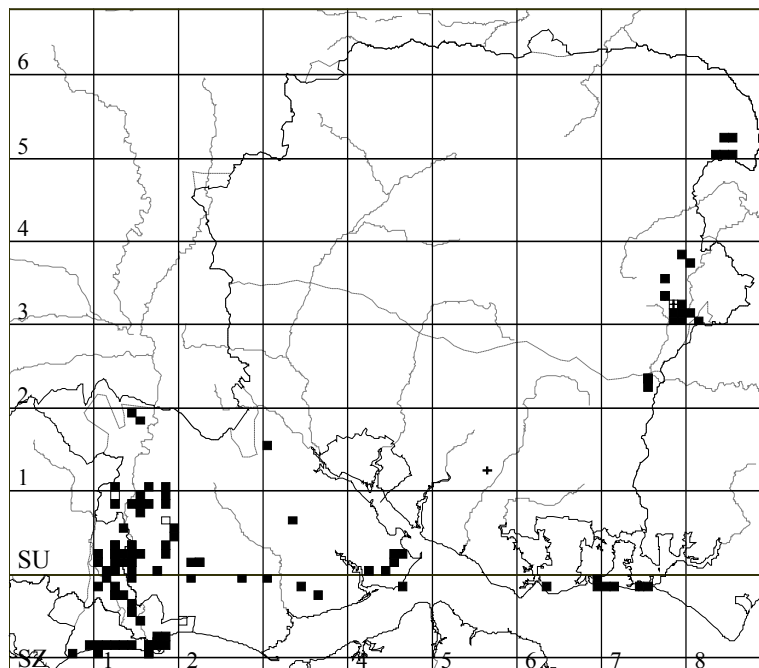
The plants at Norris Bridge and Silchester Common were of garden origin and those at Longstock Park probably so. The others are all native sites which are confined to a region close to the border with Wiltshire, where it grows in grassy rides of copses on loamy soils overlying the chalk.

Hillfield Copse Hillfield Copse, Lambourne's Hill	SU2950 SU291505	1991 04-Jul-91	ILR	Appleshaw, near Lambourne's Hill... several dozen plants. Still coppiced, quite frequent.
Appleshaw area	SU2949, SU3048	1952-1991		
Cunney's Down Copse, Appleshaw	SU298499	1991	ILR	Appleshaw, near Lambourne's Hill... c.40 plants in pylon ride SU298499, Cunney's Down Copse.
Appleshaw	SU300488	17-May-52	RPB	c.SU300488. Appleshaw, opposite church. Rides of large coppice woodland. Local in rather small quantity.
Thornycombe Wood	SU3355	2007		
Thornycombe Wood	SU335558	10-May-07	ILR	HBIC record.
Boats Copse, Vernham Dean	SU3356	1980-2007		
Boats Copse, Vernham Dean	SU335561	2004	WGH	On edge of wood.
Boats Copse	SU335563	27-Apr-07	ILR	HBIC record.
Conholt & Rushmore Downs	SU3354	1981-2005		
Hampshire Gate, E of	SU336545	1981	GDF	In rough grass (mown in late summer), and up a ride into the wood on the valley floor of a pheasant-oriented estate.
Conholt & Rushmore Downs	SU338547	13-Jun-05	NAS	A colony at SU33800 54767 between Conholt Park & Rushmore Downs, extends 33m from GPS reading along a ride and a smaller colony on the original edge of Oakdown Copse.
Longstock Park	SU3638	1960		
Bilgrove Copse	SU3649	1967-1979		
Silchester Common	SU6262	2001-2004		
Silchester Common	SU621624	Aug-01	WGH	
Silchester Common	SU621625	08-Sep-04	ARGM & WGH	At SU6211 6253.
Norris Bridge area	SU8353	1978		

Crassula tillaea Lest.-Garl.

Mossy Stonecrop
1848-2010

National Status: Scarce, Native



S Hants: Not Ranked

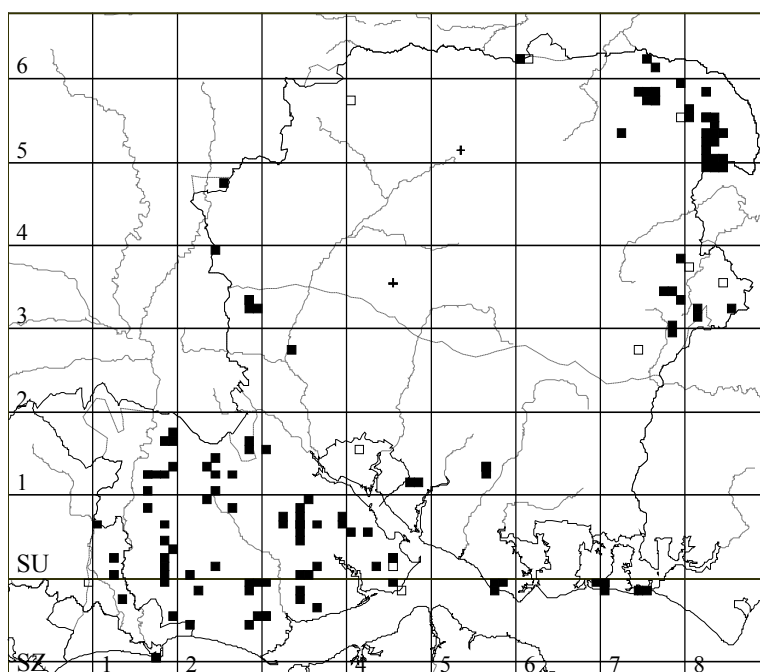
Native

Frequent in the western New Forest and on coastal sands, and apparently spreading west of the Avon. Rare elsewhere.

N Hants: Infrequent

Native

Virtually confined to areas of bare acidic sand, but increasing rapidly on the MOD training areas around Longmoor, Bordon and Aldershot, as it is spread on the tyres of military vehicles and favours the bare areas that they create.

Cuscuta epithymum* (L.) L.*Dodder
1835-2010****National Status: Vulnerable, Not Scarce, Native****S Hants: Not Ranked**

Native

Chiefly parasitising Heather species (*Ericaceae*) and various species in the Pea family (*Fabaceae*). More rarely noted on Bedstraws (*Galium*) and Wood Sage (*Teucrium scorodonia*). A number of other species have been listed as associates, but it is not clear whether they were parasitised.

N Hants: Not Ranked

Native

It prefers to parasitise very young heather, either the re-growth following a heath fire or after heather has been mown. On heathland, apart from *Calluna* and *Erica*, Dwarf Gorse (*Ulex minor*) is a common host, but there are also records of it penetrating the tissues of Wood Sage (*Teucrium scorodonia*) and Common Bird's-foot Trefoil (*Lotus corniculatus*). Much scarcer on chalk grassland, where it is found scrambling across many species, but nothing more specific than 'Clover' or 'Bedstraw' has been noted as a host on chalk soils in the VC12 records up until our cut-off date of 2010 for this book. However, during the BSBI Threatened Plants Project in 2011 it was recorded at a single chalk downland site with its haustoria penetrating 23 different species.

Cuscuta europaea L.**Greater Dodder
?1778-1998****National Status: Scarce, Native****S Hants: Extinct or Not Recorded**

There is a dubious record from Netley, 1865. A record reportedly from Sandy Point, Hayling by Francis Rose in 1980 is likely to be a transcription error.

N Hants: Rare or Extinct

Native and Introduced

In recent years this has been searched for unsuccessfully at Ashford Hill meadows, and evidently it did not persist. In 2007 ARGM quizzed WGH (who knew Ron Ward well) about the earlier record at Ron Ward's Meadow (a HWT Reserve). It transpired that WGH had also seen it growing on nettles there himself, but he knew that Ron had scattered seed there that had been collected in Gloucestershire.

Ashford Hill Meadows	SU5662	1988		
Ashford Hill Woods and Meadows SSSI	SU561621	1988	PB	On nettles, on bank of stream.
Ron Ward's Meadow, Tadley	SU6060	1983		

Cynodon dactylon (L.) Pers.**Bermuda-grass
1924-2009****National Status: Unlisted, Scarce, Native and Introduced
EC CITES Annexe B****S Hants: Scarce**

Introduced

Assumed always to be an introduction, although it is persistent and of wide occurrence in the Bournemouth area. The record from the M3 / M27 interchange must be considered doubtful in the absence of a voucher, through possible confusion with *Digitaria* species.

West Chines, Bournemouth	SZ0790	1950-2007		
Middle Chine, Bournemouth	SZ077903	1993	RMW & BE	Comm. DAP.
Alum Chine etc	SZ0790	03-Jul-06	RMW	SZ 0794 9035, 0766 9035, either side of path in Middle Chine 0787 9045 large area of tall grass on E of path in Durley Chine.
Alum Chine etc	SZ0790	02-May-07	RMW	
Bournemouth Centre	SZ0890	1953-2006		
N of Bath Road, Bournemouth	SZ088908	1991	AJB	
Bournemouth Centre etc	SZ0890	03-Jul-06	RMW	SZ 0800 9055, small clumps in the lawn.
East Cliff, Bournemouth	SZ0990 SZ0991	1987-2000		
East Cliff, Bournemouth	SZ092908	1987	GDF & WFS	SZ092908, etc. Cliff-top roadside over cliff side of fence. Very local, several yards extent. Also farther E ?
nr Russell Cotes Road	SZ093908	1993	RMW & BE	'E of Russell Cotes Museum'. Comm. DAP.
Bournemouth, East Cliff	SZ096909	26-Oct-00	BGo & JGo	One extensive patch on cliff-top.
Bournemouth	SZ098908	14-Oct-00	PJSe	By shelter on cliff top.
Bournemouth	SZ099910	14-Oct-00	PJSe	By shelter on cliff top. Well established.
Boscombe	SZ1191	1989		
East Cliff, Bournemouth	SZ1191	11-Aug-89	WFS	c.SZ1191. WFS Field Meeting. Source : WFS Magazine, Spring 1990.

Eling Tide Mill Eling Tide Mill	SU3612 SU365124	1925-2003 02-Oct-03	BGo & JGo	Still thriving on roadside on bridge, SU36541249.
Eling Tide Mill, Eling	SU365125	25-Dec-93	RPB	'Visit by RPB 25.12.93 dead stems still visible at very edge of road.' (On back of 1965, SU365125, record card.)
M3/M27, Stoneham M3/M27	SU4316 SU4316	2005 09-Sep-05	CC	Scattered along central reservation, biggest patches 10m x 2m.
Milton Common Milton Common	SU6701 SU674012	2000-2009 25-Oct-09	RJ	

N Hants: Rare

Neophyte

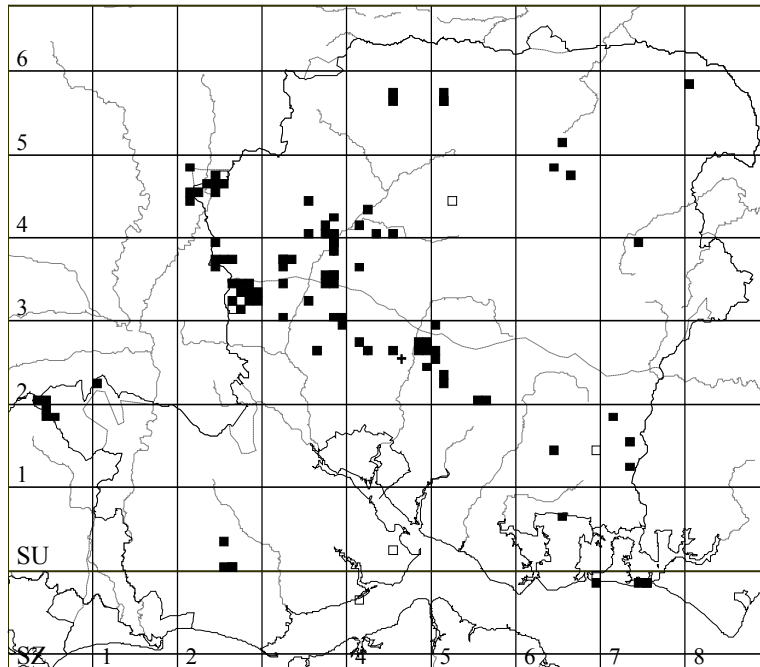
There is only one localised VC12 record and even that has some doubt attached to it.

A3 near Petersfield A3 near Petersfield	SU7324 SU736241	2007 04-Oct-07	PS	In central reservation of A3 scattered patches from SU736241 to SU742247. Driving past, PS was not absolutely certain that it was not <i>Digitaria sanguinea</i> . ARGM used binoculars from the footbridge on 14 Oct 2007 and could see the plants and, although not certain, favoured the <i>Cynodon</i> .
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***Cynoglossum officinale* L.**

Hound's-tongue
1766-2010

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

A plant of disturbed chalklands, where it appears to be holding its own quite well, and rarely of coastal sands.

N Hants: Not Ranked

Native

In dry chalk grassland, especially in the disturbed soil around rabbit burrows. In VC12 it is now mainly concentrated in the western part of the central chalk. It shows signs of decrease as there are more widespread old records at tetrad level that are not mapped here.

Cynosurus echinatus L.**Rough Dog's-tail
1916-2010****National Status: Unlisted, Scarce, Neophyte****S Hants: Rare**

Neophyte

Like several other grass species generally considered non-native, a well-established denizen of the Bournemouth coast. There are records from the Southampton area (SU41) and Chandlers Ford (SU42) in the first half of the 20th century.

East Cliffs, Bournemouth		SZ0990, SZ0991, SZ1091	1989-2007	
Bournemouth, East Cliff	SZ096909	03-Jul-01	BGo & JGo	Frequent.
North side of Overcliff Drive, Bournemouth	SZ098910	26-May-07	PAB	
South side of Overcliff Drive, Bournemouth	SZ099910	26-May-07	PAB	On sandy grassland on Manor Road side of Overcliff Drive.
Overcliff Drive opposite Manor Road, Bournemouth	SZ102910	26-May-07	PAB	Abundant.
Boscombe		SZ1191	2002-2010	
Boscombe	SZ113912	27-Jun-10	MR & GCo	
Honeycombe Chine	SZ114912	30-Sep-02	DRA	Very locally frequent, dead, small patch at top of chine, with several plants, each with 6-12 fruiting stems. Conf. EJC.
Boscombe Cliffs	SZ118912	27-Jun-10	MR & GCo	
Hurst Castle		SZ3189	1995-1998	
Hurst Castle	SZ317897	19-Jun-95	GDF	Outer bank of dry moat at main entrance to castle (on E side). Plants all dried up and seeding...in a great mass... 8 paces long and fewer numbers about to the castle entrance itself. (Miss M.E. Young has known about it for 'a few years' exact date not known - GDF 29.06.95.)
Hurst Castle	SZ317897	22-Jun-95	RPB	Abundant over 7m.
Nr Hurst Castle	SZ318898	27-Jun-98	Mike Rowe	Several plants, side of moat (S facing) on N side of Hurst Castle.
Hayling Island S		SZ6998	1952	
Sinah Common, Hayling		SZ6999	1950-1960	
Eastoke, Hayling		SZ7498	1922-1950	

N Hants: Rare

Neophyte

Only recorded from a single site, where first found by PJS in 2000.

Fleet Service Station, M3		SU7955	2000-2001	
Fleet Service Station M3	SU798559	08-Jul-01	ARGM	On grass verges beneath pines in coach park SU7985 5595 and SU7990 5595.
Fleet Service Station M3	SU799559	08-Jul-01	ARGM	On grass verges beneath pines in coach park SU7990 5595 and SU7985 5595.

National Status: Vulnerable, Rare, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8

S Hants: Rare

Native

South Hampshire holds the largest populations of this species in Britain, but numbers can fluctuate enormously from year to year. For this reason we have taken the unusual step of including a succession of records with illustrative population counts for a number of the 100m squares

Haskells Pond, Kingston North Common	SU1402	1989-2006		
Haskells Pond	SU146026	18-Aug-95	RPB	18(&13)-Aug-1995. Semi-shaded NW margin of shallow pond, on thin soft mud layer over gravel, pond surrounded by wet carr woodland. 61 plants over c.20 x 20m.
Haskells Pond	SU146026	20-Aug-06	NAS & AMC	On NW bank about a bay where pond graded into poor-fen, 10 plants on liquid peat nearer pond than bog, SU14653 02640.
Kingston North Common	SU1403, SU1503	1934-2009		
Kingston North Common	SU146032	20-Aug-06	NAS & AMC	On S side of NE pond, SU14616 03209, ground grazed after coppicing, one plant.
Kingston North Common	SU149030	1997	Pla	
Kingston North Common	SU149031	1987	SJE	(Source : 1994 RDB listing.)
Kingston North Common	SU150031	26-Sep-83	AJB et al.	Abundant along margins of gravelly track which is flooded in winter. Some plants also down middle of the track. c.10,000 plants (probably more).
Kingston North Common	SU150031	02-Sep-89	AJB	1000's of plants N of track c.10-20 S of track, where shallow pond mostly infilled with rubble. W & S margins and S side of track. Map.
Kingston North Common	SU150031	13-Aug-95	RPB	Population: Probably <1000. Open or sparsely vegetated mud on SW, and N margins of drying-out pond. [See form for map, assoc. spp., etc.]
Kingston North Common	SU150031	06-Sep-97	CC	3 plants on edge of track c.100 plants on west bank, most of the c.f. zone now occupied by Myriophyllum aquaticum. See form for map & details.
Kingston North Common	SU150031	20-Aug-06	NAS & AMC	Small pond pair on E side split by track. Margin of northern pond on W and SW (trackside) sides, thousands of plants just above water line, stretching from SU15026 03193 to SU15013 03144. Smaller S pond: dominant over moist base, SU15017 03103, thousands of plants.
Kingston North Common	SU150031	03-Sep-09	CC	Haskells pond edges are now fully overgrown with the former cleared Alnus fully coppice regenerated, as indeed much birch across the site. No Cyperus seen in a 10 minute look at the former productive arm of the pond... The Three Elms pond was more productive. About 100+ fair size plants of C.f in the smaller 'south' arm of the pond, about 50 little plants on the causeway and then about 60 plants where the causeway borders the pond. Parrots feather is dominant across most of this site. The stock no longer seem to have an effect in trampling it.
Kingston North Common	SU150032	26-Sep-83	AJB et al.	'At a small ford by houses on Kingston Common. A pond there overflows the track in winter and C.f. was growing thickly right up to the gravel of the track. See also Rare Plant record form.
Kingston North Common	SU151033	20-Aug-06	NAS & AMC	W end of large NE pond, hundreds of plants, SU15109 03340 to SU15101 03329.
Blashford	SU1407	1893		

Breamore Marsh	SU1517, SU1518	1934-2009		
Breamore Marsh, Breamore	SU154179	18-Jul-76	RPB	(Site 1) SU154179 frequent, (& SU154180 same form, entered as sep record). Wet mud in dried up ponds on green.
Breamore Marsh, Breamore	SU154180	18-Jul-76	RPB	(Site 2) SU154180 occasional (& SU154179 same form, entered as sep record). Wet mud in dried up ponds on green. [See form: map, assoc. spp., etc.]
Breamore Marsh	SU154181	08-Sep-09	MBer	c. 30 plants, W side of pond, SU15484 18188. 1 plant S side of pond, SU1549 1818
Breamore Marsh 5	SU155179	18-Jul-96	RPB	
Breamore Marsh	SU155180	25-Oct-03	MR	110 plants.
Breamore Marsh	SU155180	08-Sep-09	MBer	At least 1000 plants on exposed mud of poind and channel, particularly densest at SU15523 18030
Breamore Marsh	SU155180	05-Sep-10	CC	c. 800 plants in channel.
Breamore Marsh	SU155181	18-Jul-96	RPB	
Breamore Common pond	SU156176	20-Jul-99	BGo & JGo	Several small plants on mud at W side of pond, amongst lush vegetation.
Breamore Common pond	SU156176	18-Oct-04	ARGM, PB & WGH	Only two small plants found at SU1568 1767. Area getting overgrown with very little water.
Breamore Marsh S pond	SU156176	05-Sep-10	CC	c. 1500 plants at SU1567 1764; 30 plants at SU1569 1767; c. 1200 plants at SU1569 1764.
Breamore Marsh	SU156180	27-Aug-95	RPB	Drying mud of pond bed. Very locally frequent.
Breamore Marsh	SU156180	23-Sep-01	ARGM	Several on muddy margins of ponds at SU1561 1808 and SU1566 1806.
Breamore Marsh	SU156180	08-Sep-09	MBer	Thousands of flowering/fruiting plants on exposed muddy bed of pond, SU15643 18073 but much swamped by watercress
Breamore Marsh	SU156180	05-Sep-10	CC	c. 2500 in pond area.
Breamore Marsh 2	SU156181	17-Aug-95	CC	600 plants.
Breamore Marsh 2	SU156181	10-Sep-96	CC	510 plants.
Breamore Marsh 2	SU156181	26-Aug-97	CC	80 plants.
Breamore Marsh 2	SU156181	30-Aug-98	CC	450 plants.
Breamore Marsh 2	SU156181	27-Aug-99	CC & AF	5000 plants.
Breamore Marsh 2	SU156181	31-Aug-00	CC & AF	50 plants.
Breamore Marsh 2	SU156181	22-Aug-01	CC	3050 plants.
Breamore Marsh 2	SU156181	22-Aug-02	CC	17 plants.
Breamore Marsh 3	SU157177	22-Aug-02	CC	210 plants.
Breamore Marsh	SU157181	05-Sep-10	CC	18 plants at SU1572 1817; c. 720 plants at SU1573 1815; 5 at SU1573 1813; c. 2150 at SU1570 1811 (and into SU156181).
Breamore Marsh	SU158176	10-Sep-96	JO	
Breamore Marsh 4	SU158182	22-Aug-02	CC	62 plants.

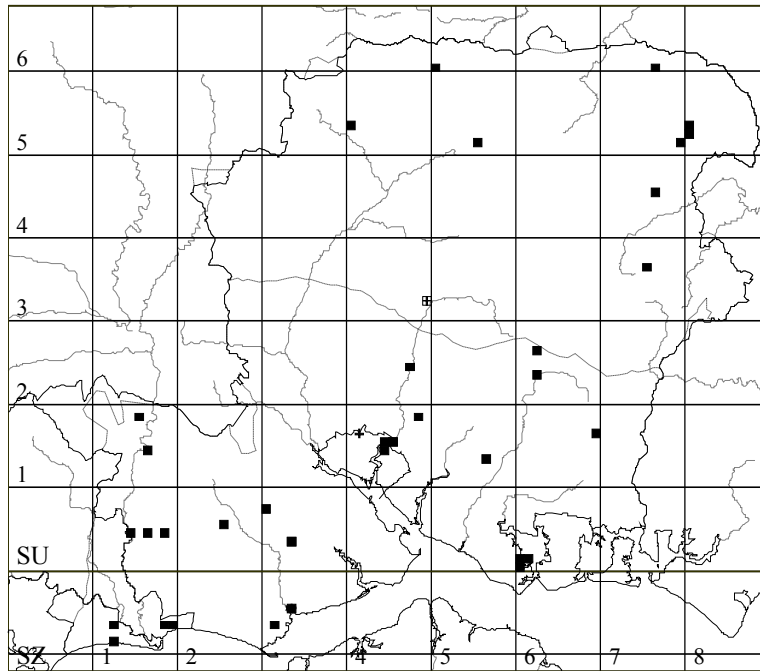
N Hants : Rare

Neophyte

Unlike VC11, this is not a native species in VC12.

Longstock Park Nursery	SU3638	2006		
Longstock Park Nursery	SU367388	24-Aug-06	PAB	As a weed in the nursery, det. EJC Oct 2006.

National Status: Near Threatened, Scarce, Native and Neophyte



S Hants: Infrequent

Neophyte and Possible Native

Introduced as a pond ornamental. However a coastal site near Lymington appears similar to one on the opposite side of the Solent in the Isle of Wight, where it is accepted as native.

N Hants : Scarce

Neophyte

Not native in VC12. It is occasionally planted in ponds and is capable of persisting by vegetative spread.

Stoke, N of North of Stoke	SU4053 SU409531	2008 17-Aug-08	PBi	Probably planted in pond at SU4092 5303.
Kings Worthy	SU4932	1927-1965		
Ecchinswell Ecchinswell	SU5060 SU502606	2003 30-Aug-03	ARGM, SPR & SC	In ditch at SU5027 6063 close to newly-built houses.
Dean Down Farm Dean Down Farm	SU5551 SU555511	2004 11-Nov-04	ARGM	In farm pond, but obviously planted.
nr West Worldham New Buildings Lane, nr West Worldham	SU7536 SU750366	1994 16-Nov-94	FR	
Isnage Farm, Froyle Isnage Farm, Froyle	SU7645 SU769453	2009 13-Aug-09	ARGM & SC	Planted at southern pond at SU7692 4530. Pond was dug in 2007.
Isnage Farm, Froyle	SU769455	13-Aug-09	ARGM & SC	Planted at upper pond at SU7697 4552. Pond was dug in 2007.
Bramshill, South Bramshill, South	SU7660 SU765605	1997 23-Jul-97	CRH	Obviously planted.
Basingstoke Canal, Fleet to Crookham Basingstoke Canal	SU7951, SU8053 SU793517	1987-2005 26-Aug-05	CRH	Large clump, offside bank near Chequers Bridge c.SU793517, near gardens, 26 Sep 1977, still there 26 Aug 2005.
Basingstoke Canal	SU803533	13-Sep-87	CRH	Planted on non-towpath side by gardens near the Fox and Hounds.
Basingstoke Canal, S of Crookham	SU804529	21-Aug-92	CRH	Two clumps deliberately planted by canal near Coxheath c.SU804529, first noted 23 Aug 1991, still there on 21 Aug 1992.

x *Dactylodenia evansii* (E.G. Camus) Peitz
Hybrid Heath Fragrant-orchid x Heath Spotted-orchid
1951-1992

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

In all cases, as mentioned in the 1996 *Flora*, these are doubtless hybrids with *Gymnadenia borealis*.

Howen Bottom, Fritham	SU2415	1985			
Ashurst Walk	SU3607	1963			
Dibden Bottom	SU3806	1951-1985			
Boundway Hill	SZ2698	1971-1992			
Boundway Hill, Sway	SZ261988	26-Jun-71	RPB	[ID ?] As <i>G. conopsea</i> x <i>D. fuchsii</i> or <i>maculata</i> ssp. <i>ericetorum</i> . N. of Boundway Hill. Wet grass mounds in fen area on heath. Rare, odd spike. Source : F.R.	
Boundway Hill, Sway	SZ2698	1992	RPB		

N Hants: Not Recorded

x *Dactylodenia heinzliana* (Reichardt) Garay & H.R.Sweet
Hybrid Chalk Fragrant-orchid x Common Spotted-orchid
1917-2009

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

In dry chalk grassland and also in calcareous spring flushes, where at least at Rudley Mill plants were hybrids with *Gymnadenia densiflora* and not properly included under this name (but illegitimately named x *Dactylogymnadenia cookei* at the time).

Sagles Spring, Rockbourne	SU1216	1979			
Telegraph Hill, Winchester	SU5228	?1917- 1987			
Telegraph Hill	SU525283	17-Jun-87	MNJ		
Beacon Hill, Warnford	SU6022	1981-1990			
Beacon Hill, Warnford	SU608227	21-Jun-81	ARGM	Single plant photographed here.	
Rudley Mill	SU6212	1931			

N Hants: Rare

Native

On unfertilised, dry chalk grassland. This habitat indicates that the subspecies of *G. conopsea* involved for all the VC12 records was subsp. *conopsea* which is plentiful at these sites.

Danebury Hill	SU3237	2006			
Danebury Hill	SU3237	17-Jul-06	GLO	[Information from GLO in a letter to ARGM dated 1 March 2009]	
Combe, Walbury Hill	SU3661	2007-2008			
Combe, Walbury Hill	SU369619	26-Jun-08	ARGM & PBi	4 flower spikes from same clump of basal leaves, still at SU3698 6199, where found by MHod 5 Jul 2007.	

Noar Hill, Selborne		SU7331, SU7431	1979-2009	
Noar Hill, Selborne	SU738319	Jul-79	ARGM	Single plant photographed at SU7388 3193.
Noar Hill, Selborne	SU739319	13-Jun-09	NJ & RWe	One plant at SU73970 31924. Confirmed ARGM on 22 Jun 2009.
Noar Hill, Selborne	SU742319	1996	SP	In 2007 SP told ARGM that he had seen this hybrid at Noar Hill in 1982, 1994 and 1996. One was at SU7421 3191 on the bank of the Switchback Pit.
Noar Hill, Selborne	SU744318	1994	SP	In 2007 SP told ARGM that he had seen this hybrid at Noar Hill in 1982, 1994 and 1996. One was at c.SU744318 in Top Pit.
Noar Hill, Selborne	SU745318	1982	SP	In 2007 SP told ARGM that he had seen this hybrid at Noar Hill in 1982, 1994 and 1996. One was at SU7453 3182 in East Pit.

x *Dactyloдения ettingeriana* M. J. Clarke & L. Lewis
Hybrid Marsh Fragrant-orchid x Southern Marsh-orchid
1931-2009

National Status: Unlisted, Rare, Native

S Hants: Extinct

Native

Recorded in 1931 in a marshy meadow near Southwick (SU60) by P M Hall and supported by a specimen originally determined as *Habenaria gymnadenia* x *Orchis praetermissa*. In this habitat the parentage is likely to be *Gymnadenia densiflora* x *Dactylorhiza praetermissa*. A suitable candidate site, in the valley south of the destroyed Southwick Common or Walton Heath, still exists in SU6109 / SU6209 and is rich in orchid taxa; it might repay further close examination.

N Hants: Rare

Native

Only reported from a single site. The habitat here is damp meadow/fen with much *Epipactis palustris*, and the only species of *Gymnadenia* present is *G. densiflora*. The 2009 record was communicated to ARGM following the formal publication of the hybrid's name in 2011. Prior to that the only records were for 1981 and 1982 and it was thought lost. Evidently it was able to re-occur as both parents are still plentiful there.

Greywell Pumping Station **SU7251** **1981-2009**

Greywell Pumping Station	SU722513	Jul-09	RL	Richard (Bill) Lowe was 99% sure of his identification as he had also seen this hybrid when it had first been found there in 1981.
Greywell Pumping Station Land	SU7251	09-Jul-82	BTa	BTa's field diary states 'One plant in early flower accompanied by an abundance of <i>Gymnadenia conopsea densiflora</i> in full flower, and also an abundance of <i>Dactylorhiza praetermissa</i> mostly in seed'. This information with a pair of photographs of the hybrid was sent to ARGM in Aug 2009.

x *Dactyloglossum mixtum* (Asch. & Graebn.) Rauschert
Hybrid Frog x Common Spotted-orchid
1917-2009

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Rare in chalk downland. A record from 1917 at Cheesefoot Head was most likely in SU5228.

Longwood Warren **SU5227** **1981**

Beacon Hill, Warnford **SU6022** **2009**

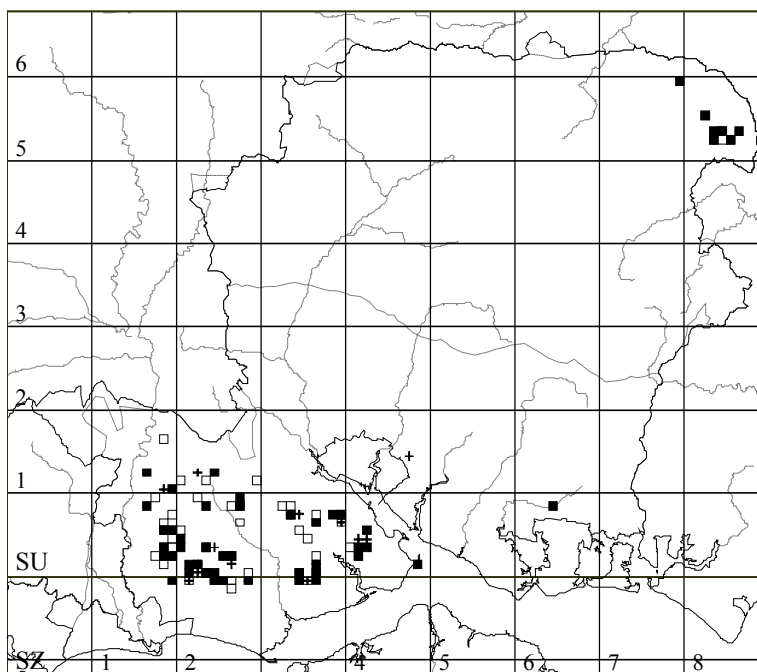
Beacon Hill, Warnford	SU608225	09-Jun-09	NJ	<i>Dactylorhiza</i> x <i>mixtum</i> , SU6084 2251.
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N Hants: Rare

Native

In unfertilised chalk downland. Individual plants only appear to flower for two or three years.

Porton Down Porton Down. Isle of Wight Hill	SU2437 SU248375	2004 04-Jul-04	AMcK	Det. FR from photographs.
Ladle Hill Ladle Hill	SU4756 SU477568	1999-2003 2000	WGH & SCI	Two plants at c.SU477568.
Ladle Hill, W side	SU478568	06-Jul-03	WGH	NW side of Ladle Hill c.SU478568, two plants.
Noar Hill, Selborne	SU7331, SU7431	1968-2001		
Noar Hill, Selborne	SU739319	1999	SP	The exact location for this plant at SU7396 3192 was given to ARGM in 2007 by SP, who saw it there in 1999 and 2000.
Noar Hill, Selborne	SU740319	22-Jul-78	ARGM	Single plant photographed at SU7408 3192.
Noar Hill HWT Reserve	SU744318	24-Jun-01	ARGM	Single plant photographed at SU7444 3188 (following information from SP).

Dactylorhiza incarnata* (L.) Soó subsp. *pulchella* (Druce) Soó*Bog Early Marsh-orchid
1898-2009****National Status: Not Scarce, Native****S Hants: Not Ranked**

Native

Widespread on the New Forest, where the apparent decline shown on the map is probably in large part due to recent under-recording.

N Hants : Scarce

Native

Confined to a few very wet acid boggy areas in the NE of the vice-county.

Castle Bottom Castle Bottom	SU7959 SU798594	1998-2005 10-Jun-05	CRH	21 spikes at southern end of mire at SU7984 5944 to SU7987 5945, A more careful search on 11 June by CRH & ARGM located 39 plants.
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Ancells Farm Reserve	SU8255	1983-2009		
Ancells Meadows	SU823557	1983	ARGM	Part of site destroyed by housing but some plants moved into adjacent colony in next field in SU824558.
Ancells Farm Reserve	SU824558	04-Jun-09	ARGM	One at SU82442 55822 and another at SU82442 55817, but decreasing as being out-competed by Bog Myrtle.
Eelmoor Marsh	SU8352, SU8353, SU8453	1938-2009		
Eelmoor Marsh	SU839529	28-May-09	CRH	99 spikes plus three grazed off so at least 102 flowered at the main population, SU8393 5297 / SU8394 5298 / SU8394 5296. Also five spikes in wet mire at SU8393 5296 near ditch and one spike at SU8393 5295.
Eelmoor Marsh, Farnborough	SU839530	29-May-07	CRH	Three in bud in ditches at c.SU8392 5304 to west of main colony.
Eelmoor Marsh	SU839531	02-Jun-05	CRH	1 spikes in ditch where Molinia mown last winter, SU8391 5312. Winter mowing in combination with year-round light grazing is reviving this population.
Eelmoor Marsh	SU839531	20-May-09	CRH	Two spikes in the ditch at SU8390 5311.
Eelmoor Marsh	SU840530	12-Jun-09	CRH	This was the best site in 2005 but numbers decreased steeply in 2006 with none in 2007. The area was then mown in winter to create a shorter sward. One spike appeared at SU8404 5303 on 28 May 2009 but with the stem eaten through by a slug. Two new spikes 3m apart on 12 June 2009.
Farnborough Airfield	SU8453	1979		
Army Golf Course, Watts Common	SU8552, SU8653	1982-1987		
Army Golf Course, Watts Common	SU859529	1982	ARGM	A few on eighth fairway and in nearby ditch in 1981 & 1982, only one spike refound CRH c.1987.
Watts Common	SU860530	1987	CRH	1 spike.

***Dactylorhiza purpurella* (T. & T.A. Stephenson) Soó** **Northern Marsh-orchid**
1955-1999

National Status: Not Scarce, Native

S Hants: Rare or Extinct

Native or Introduced

Only ever known at the one site, where the pure species was being progressively reduced by hybridisation even before the site was partially destroyed by building of the M27 and subsequently neglected. The entire population including hybrids is now very small.

Moorgreen, West End	SU4714, SU4814	1955-1999		
Moorgreen, Southampton	SU478147	10-Jul-65	BGo	In marshy field, with other <i>Dactylorhiza</i> spp. Habitat destroyed by construction of M27, and remaining plants mostly hybrids. Shown to BGo by his mother, Mrs Joan Goater on that date. One spike of pure species last recorded 1986 (AB et al.)
Moorgreen, West End	SU478148	15-Jun-64	RPB	SU478148 [&/or] SU479148. Marsh pasture N of small stream. c.20 spikes of pure strain.
Moorgreen, West End	SU479147	04-Jul-73	RPB et al.	On 16.6.1966 card: '4.7.1973. Transplant 3 flg and 1 sterile plant away from path of M27 motorway to site N. of stream SU4790 1471. S.R. Davey, A. Roseweir, and RPB'.
Moorgreen, West End	SU479148	16-Jun-66	RPB	SU478148 [&/or] SU479148. Marsh pasture N of small stream. c.30 spikes of pure strain.
Moorgreen, West End	SU479148	1982	RPB	'In 1982 &/83, with M27 under advanced construction, RPB found one pure spike, and some hybrids. Only 50 orchids all told. Water-table prob. lowered. SW corner of field sliced off.'
Moor Green	SU479149	28-Jun-71	FR, BJC et al	Several hybrids seen.

Moorlands Farm	SU482145	20-Jun-99	FR	1 plant.
Meadows, NE of M27 nr. Dowd's Farm,	SU484147	29-Jun-65	RPB	Marsh pasture. 29.6.1965. 3 pure strain orchids after laying of gas pipeline – RPB. '1961. West End (E), A.W. Westrup. 485145'. 'In 1975, RPB found only hybrids.'
Moorgreen, West End Moorgreen Meadows	SU485145	1961	AWW	
Moorgreen Meadows	SU485147	26-May-99	PS & PJSe	Conf FR.

N Hants: Not Recorded

***Dactylorhiza traunsteinerioides* (Pugsley) R.M. Bateman & Denholm** **Narrow-leaved Marsh-orchid** **1937-2008**

National Status: Scarce, Native

S Hants: Rare

Native

A further two sites near the Solent coast of the New Forest await confirmation. There are strong arguments, reviewed in Bateman (2011), for considering all southern English populations of this plant as forms of *D. praetermissa* rather than *D. traunsteinerioides* as understood from northern Britain.

Gatewood Farm, Exbury SU4300 1996

Gatewood Fm Exbury	SU432009	26-Sep-96	RFG	Small sloping paddock in damp area at bottom of slope on W side. Two plants in flower. Expert: RPB 26.9.1996.
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Chale Wood, Exbury SU4400 1984-2001

Chale Wood, Exbury	SU4400	19-Jun-01	BGo & JGo	At least 2 of var <i>bowmanii</i> on damp, E-facing slope with other <i>Dactylorhiza</i> spp. <i>D. traunsteineri</i> var <i>bowmanii</i> . 27 spikes more/less homogeneous in form and markings. det. FR 1991, conf. RMBa 1986. Colour slides. (var nov. described in <i>Watsonia</i> 20: 263-73. See also 1996 <i>Flora</i> , p.303) [Detailed notes, var. dates on card.]
Exbury	SU440005	30-Jun-84	RPB	

N Hants: Rare

Native

Much decreased and now close to extinction in the vice-county.

Wonston SU4739, SU4839 1981

Mapledurwell Fen SU6752 1971-2008

Mapledurwell Fen HWT reserve	SU677523	21-May-08	ARGM	Only a single plant in full flower at SU6777 5231. Thirty years ago there were more but most hybridised out by crossing with <i>D. praetermissa</i> . Apart from morphological characters, the earlier flowering time helps to distinguish it from <i>D. praetermissa</i> .
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Mapledurwell Fen, Mapledurwell	SU678522	20-May-08	NM	
Old Basing	SU678523	10-Jun-95	ARGM	Streams of River Lyde.
Mapledurwell Fen NR	SU679522	1992	FR & NAS	

Greywell Moors SU7251 1937-1985

Daphne mezereum L.**Mezereon
1752-2010****National Status: Vulnerable, Scarce, Native****S Hants: Extinct**

Native

There are a few old records from the area between Romsey and the Meon valley. The last record from a probable native site was in 1948. Full details of the most recent site are included to encourage further search.

Standon Standon, Winchester	SU4227 SU424273	1980 1980	SS	[VC12 plant folder has 424274] Space inside a big roadside hedge, probably bird-sown. Deep shade. One fine plant. E side of road. PB suggests planted.
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N Hants: Scarce

Native

The 1996 *Flora* states "A small colony is still near Selborne" but does not give details. Perhaps this refers to the Newton Valence site, but AB's card index has the statement for this site "disappeared 1988". The former sites at Butter Wood SU710½517 (marked on a detailed map dated 1943) and Old Down Wood, Ropley, were searched in 2009, but others would be worth checking including those not localised to 1km precision (e.g. Gundleton in SU63G).

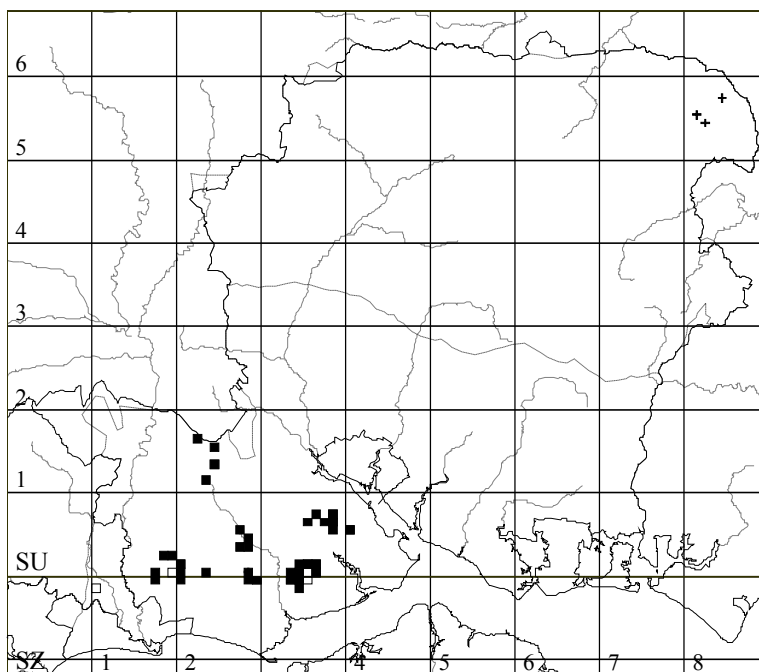
St Mary Bourne, Derrydown Copse	SU4249	1866		
Alresford nr. Sun Lane, Alresford	SU5932 SU591324	1997 01-Apr-97	AAB	Birdsown under wire separating public footpath from railway property.
Bishop's Sutton, Old Park Wood	SU6130	1850		
Barnetts Wood	SU6333	1888		
Ropley, Old Down Wood	SU6533, SU6633	1850-1960		
Winslade, Poor Hill Hen Wood / Poor Hill nr A339, Winslade	SU6547 SU654475	2003-2005 25-Mar-05	DRA, JAN & EJC	On S-facing bank W of road, total of 3? suckering plants SU654475 & SU655475.
Winslade, Herriard Estate	SU655475	27-Mar-04	ARGM, WGH & EJC	2 main flowering clumps 1-2m apart, SU6550 4753, suckering to give impression of several bushes, plus another small plant 6m away.
Old Basing, Peat Moor Old Basing, Peat Moor	SU6552 SU658527	1994 28-Jul-94	BHe	Following correspondence with BHe in Sep 2009, his survey results and a detailed map prepared for the Environment Agency were obtained. He recorded 'one small patch of D. mezereum in alder carr', which is shown on his map at c.SU6583 5272.
Basing, Mill Field Wood Basing, Mill Field Wood	SU6653 SU664533	2009 29-Apr-09	ARGM, NM & JA	One large plant at SU6645 5335, c.1.2m tall, with some branches damaged by deer. No indication of earlier flowers.
Butter Wood, Greywell	SU7151	1943-1946		
Newton Valence	SU7133	1959-1979		
Greywell Moors Greywell Moors	SU7150 SU718508	1986-2010 11-Mar-10	BGo & JGo	Five small plants in the area, one of which had flowered
Greywell Moors	SU718508	29-Mar-09	ARGM & OBG	One in flower and six not flowering at SU71882 50891, in wood c.5m from riverside fence-line, plus one in flower at SU71882 50888.
Greywell Moors	SU718509	29-Mar-09	ARGM & OBG	One in flower and one not flowering at SU71880 50907, in wood c.4m from riverside fence-line. All plants small and looking unhealthy. Ground

Greywell Moors	SU719508	29-Mar-09	ARGM & OBG	completely saturated. One small plant with flowers going over at SU71915088, midway between two yew trees. None seem to have grown significantly in size over the time since 1988 that I have known them here.
Greywell Moors HWT reserve	SU719509	19-Feb-00	AJPB	9 plants found.
Selborne Hanger	SU7433	1778		

***Deschampsia setacea* (Huds.) Hack.**

Bog Hair-grass
1869-2009

National Status: Scarce, Native



S Hants: Infrequent

Native

Confined to the New Forest where it occurs chiefly in winter-wet, summer-droughted barish ground on the acid grasslands. It may be under-recorded, as it is hard to distinguish from *Agrostis curtisii* when grazing stock have eaten off the flowering culms, and the habitat differences may not be all that obvious at the end of the summer.

N Hants: Extinct

Native

The 19th century records at Fleet Pond are well documented and supported by herbarium specimens. **BM** has specimens collected by Watson (1869), Hill (1871), Beeby (1881) and Groves (1892). There are also specimens in **OXF**, **BIRM** and, no doubt, elsewhere.

Fleet Pond	SU8155, SU8254	1869-1938
Hawley Common	SU8457 or SU8357	1883

Descurainia sophia* (L.) Webb ex Prantl*Flixweed
1922-1991****National Status: Not Scarce, Archaeophyte****S Hants: Rare**

Archaeophyte

There are also old records for Lockerley, the Farley Mount area (SU42E), Portsmouth / Wymering area (SU60M) and Hayling Island (SZ79E).

South Stoneham House **SU4415** **1922**

IBM North Harbour **SU6404** **1974**

Eastern Road, Portsea **SU6703** **1991**

Eastern Road sea wall SU675031 28-Jul-91 DPJS SU6755 0310. Land side of sea wall just S of club house. Rank vegetation of disturbed ground by sea wall. Growing with abundant *Sisymbrium officinale*. (Photocopy of specimen and BRC 5-71 card)

Langstone **SU7104** **1991**
Opposite Ship Inn SU718047 07-Jun-91 RAB & GHF

c.SU718047. Newly made bank of soil by saltmarsh creek, W of road. Colour transparency (seen RPB) R. few plants. VC12 index card notes: 'new bank sown with rye-grass.'

N Hants: Rare or Extinct

Archaeophyte

This is a casual plant of disturbed soils, so it does not persist and will only reappear in VC12 if seed somehow arrives inadvertently.

Danebury **SU3236** **1975**

Hazeley Heath **SU7657** **1939**

Fleet Dump **SU8253** **1960**

Dianthus armeria* L.*Deptford Pink
1799-2009**

National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8

S Hants: Rare

Native

Also recorded at Breamore (SU11P) in 1840 and 1933, Milton (SZ29) in 1800, Braishfield (SU32) in 1896 and Hambledon (SU61) in 1799. It had apparently gone from Sinah Common by 1981, overgrown by rank herbage.

Avon Forest Park, St Leonards **SU1201** **1986-2009**

Nr Grange Estate, St Leonards SU123017 12-Jul-97 RPB One five-stemmed small plant bearing one flower along narrow path through bracken 5m E of new gate in fence.

S Avon Heath CP SU124017 16-Aug-09 MR, BGo & GCo 34 flowering spikes in 4 patches, S side of grassy track going E from former gateway, SU1240 0175, SU1240 0176.

Avon Forest Park SU125018 17-Jul-86 FAW Sandy acid grassl, S slope, horse-grazed till summer '85. 14 plants, c.1 sq m. Some tops mown off – later flowered again... (Watsonia 17: 185).

Matchams SU125019 1998 GDF 4 plants in Anthoxanthum grassland.
Matchams SU126019 1998 GDF 3 plants at edge of bare ground virtually pure *Filago minima*.

Portchester **SU6004** **1881-1934**

Portchester **SU6205** **1930**

Hayling Ferry	SZ6899	1928	
Sinah Common, Hayling	SZ6999	1956-1978	

N Hants: Rare or Extinct

Native or Neophyte

The record for Woolmer Forest at Whitehill given in the 1996 *Flora* was an error as the herbarium specimen is actually *Dianthus deltoides*. Probably formerly a native but now only a neophyte.

Over Wallop	SU2838	1961-1966	
Wildhern	SU3550	1861	
Morn Hill	SU5129	2002	
Morn Hill	SU518292	11-Jul-02	PAB

***Dianthus deltoides* L.**

**Maiden Pink
1880-2004**

National Status: Near Threatened, Scarce, Native

S Hants: Rare

Probable Neophyte

Also noted from the Ringwood area (SU10) in 1880, New Milton and Hinton Admiral (SZ29) in the 1940s, and the Chidden area (SU61) in 1929. It could not be refound in the Avon Heath site in 2009.

Avon Heath	SU1201, SU1202	1983-1998	
Avon Heath	SU120021	1998	GDF Six plants seen, on either side of path close to shed west of track. Avon Valley Park. [Not refound 2009.]
Avon Heath	SU1201	1990	FAW Avon Forest Park.
Avon Heath	SU121019	1986	RPB Avon Forest Park, St Leonards, dry grass heath under bracken, a dense patch 8m x 7m, Hb RPB. Det Miss S.S. Hooper, Kew. [Not refound 2009.]
Barton-on-Sea	SZ2492	2001-2004	
Barton-on-Sea	SZ243928	18-Aug-04	BGo & JGo Three clumps on bank behind shallow ditch at rear of beach hut No.95, one with fruiting heads, SZ24369281.
Stoke Common, Hayling	SU7103	2002	
Stoke Common, Hayling Island	SU7103	05-Jun-02	ETa Grid ref not given.

N Hants: Rare

Native or Neophyte

Possibly native at Woolmer Forest but probably only a garden-escape at the Aldershot site. The specimen in Hb.AB collected on a grassy track at Woolmer Forest in 1984 was originally misidentified as *Dianthus armeria* and published as that. The specimen was redetermined by ARGM in 2007 and it later transpired that PJW had visited the site in 1998 hoping to find *D. armeria* but found *D. deltoides* instead. Although strictly beyond our 2010 'cut-off' date for records, a plant was found in grassland that had formerly been arable, at Old Down, Basingstoke SU5961 4872 by Shaila Lambert on 7 Jun 2011. This is close to the former site at Pardown. There is also an old record for tetrad SU46R.

Pardown, Oakley	SU5749	1914	
Woolmer Forest, Whitehill	SU7933	1984-1998	
Woolmer Forest, Whitehill	SU793339	1998	PJW Initially reported incorrectly as <i>D. armeria</i> (1996 <i>Flora</i> and <i>Watsonia</i> 15:393). The site consists of a rabbit-grazed track adjacent to an old railway line on the edge of Woolmer Forest, with encroaching <i>Ulex europaeus</i> , <i>Rubus fruticosus</i> and <i>Pinus sylvestris</i> . [Not refound ARGM 2008].

Aldershot opp. Birchett Road, Aldershot	SU8650 SU862505	1998 1998	TD	Opposite Birchett Road car park at the entrance to the office building amongst <i>Sisymbrium</i> and <i>Chenopodium</i> . Upwards of 20 florets. Gone by July 2000.
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***Dianthus plumarius* L.**

Pink
1856-2008

National Status: Unlisted, Scarce, Neophyte

S Hants: Rare

Neophyte

Long established and celebrated as a wall denizen.

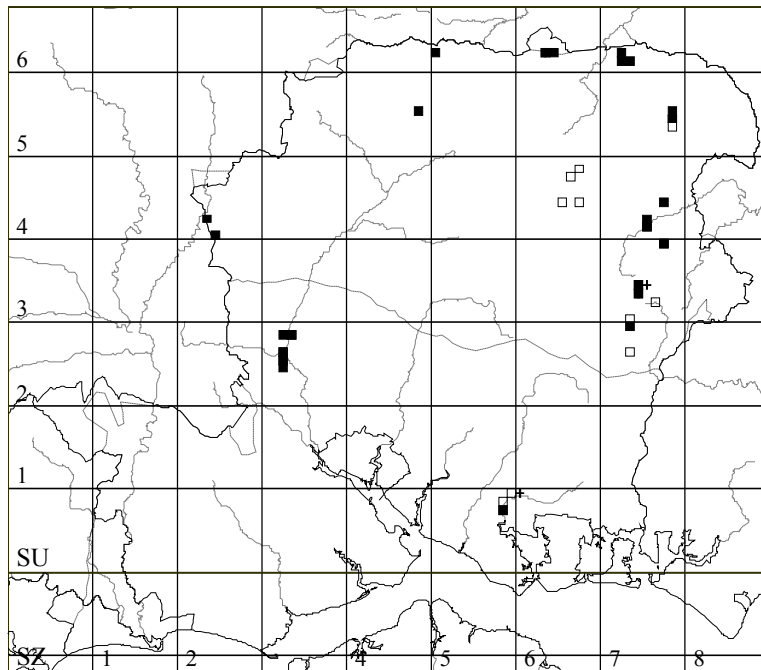
Beaulieu Abbey Beaulieu Abbey	SU3802 SU386025	1856-2008 01-Jul-99	BGo & JGo	
Beaulieu Abbey Church	SU387025	06-Jul-99	FR	
Beaulieu Estate	SU388026	16-Jun-08	BGo & JGo	Occasional on old walls of Beaulieu Abbey

N Hants: Not Recorded

***Dipsacus pilosus* L.**

Small Teasel
1766-2010

National Status: Not Scarce, Native



S Hants: Scarce

Native

Also recorded in the Hengistbury / Wick area (SZ19) in 1950-1955 and at Fontley, Fareham between 1889 and 1921. Curiously localised to two areas in South Hampshire in both of which it has been known over a long period. Records made by HBIC elsewhere in the county are awaiting review. Some sites with only pre-1987 records are detailed to encourage further search.

Kimbridge Kimbridge Area	SU3224 SU3224	1997 10-Aug-97	RMV
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Bitterne Grove, Mottisfont	SU3225, SU3226	1849-2005			
Bitterne Grove and River Dun, Mottisfont	SU320260	06-Aug-83	RPB	SW border of wood, clearing and S. bank of river. Locally plentiful.	
Bitterne Grove and River Dun, Mottisfont	SU321260	06-Aug-83	RPB	SW border of wood, clearing and S. bank of river. Locally plentiful.	
River Dun, Mottisfont	SU322259	06-Aug-83	RPB	SU322259 – 323259. Bitterne Grove, R. Dun, Mottisfont. S. border of wood, in adjacent ride and N riverbank. Locally abundant.	
Dunbridge	SU323259	05-Sep-99	BGo & JGo	A few large plants along N bank of R Dun.	
Bitterne Grove, Mottisfont	SU324260	19-Apr-05	ILR	Rough southern edge of Bitterne Grove alongside the fishing track by the River Dun.	
Oakley Copse, Mottisfont	SU3328	1922-2005			
Mottisfont	SU331281	12-Apr-05	ILR	Old site in gateway on the south-western corner of Oakley Copse. 4 plants.	
Oakley Copse, Mottisfont	SU333283	20-Aug-83	RPB	Edge of felled oak/ash/hazel coppice. Very local. 6 large plants.	
SE of Oakley Copse, Mottisfont	SU334282	12-Jun-97	RMV & RPB	E border of copse laong side track ditch. Rare, large stand over c.5m.	
Horsebridge	SU3430	1917			
Wallingford River, North Fareham	SU5807	1844-1997			
Fareham (N) area	SU5807	28-Jul-57	AWW	Bi1986.1.1018. 'found by the River Wallington, North Fareham Farm, Fareham, Hampshire... Dandy 497/2'.	
Wallington, Fareham	SU585071	15-Aug-97	MJS & DWa		
Wallingford River, Boarhunt	SU5807, SU5808	1978-1983			
Wallington River, nr. Boarhunt	SU585079	21-Aug-83	RPB	Wooded river bank in rank herbage. Rare, c.1 plant.	
Wallington River, nr. Boarhunt	SU586078	21-Aug-83	RPB	E river bank, S. of road bridge in rank herb. Rare, 1 plant	
Wallington River, nr. Boarhunt	SU586085	21-Aug-83	RPB	Wooded river, S. bank in rank herbage. Local, c.5 plants.	
Wallington River, nr. Boarhunt	SU587085	21-Aug-83	RPB	Wooded river, S. bank in rank herbage. Local, dense stand 1yd extent.	
Bere Farm, Boarhunt	SU5808, SU5909	1850-1983			
Wallington River, nr. Boarhunt	SU589089	21-Aug-83	RPB	Wooded river, N bank in rank herbage. Local, small stand.	
Wallington River, nr. Boarhunt	SU591090	21-Aug-83	RPB	Wooded river, N. bank in rank herbage. Local, dense stand c.5yds.	

N Hants: Infrequent

Native

Thinly scattered sites, particularly in the east, but can be plentiful where it does occur.

***Draba muralis* L.**

Wall Whitlow-grass **1923-2005**

National Status: Scarce, Native and Neophyte

S Hants: Rare

Neophyte

Introduced, but noted in 1960 as "surviving for over 40 years in Hillier's Nursery, Winchester". We have assumed that this refers to the former nursery site in Romsey Road, Winchester; that at St Cross (a centre for growing alpiners) would not have had a 40-year history, nor the nurseries at Chandlers Ford, nor the extant site at Ampfield.

Hillier Gardens, Ampfield	SU3823	2005			
Hillier Arboretum	SU380237	03-Apr-05	PAB	In the walls of the alpine garden east of Jermyn's House, Ampfield. 12 plants.	

Hillier Nurseries, Winchester	SU4629	1920s- ?1963		
Posbrook, Titchfield Titchfield: Garstons Close	SU5305 SU536057	1996-1997 1997	RFG	c.SU536057. 17 Garstons Close. On sandy soil and rubble exposed when strip of lawn removed in garden. 'In spring 1996 a large number (c.50)... RFG'. 'Seeded in 1997, but in fewer numbers. It is debatable if they persist now. RFG 17.2.98'.
Soberton Soberton	SU6117 SU6117	1992 1992	RAB	
N Hants: Rare				Neophyte
Only a garden escape in VC12.				
Longstock Park	SU3638	1937		
Ashford Chace Ashford Chace	SU7426 SU740264	1988 1988	JF	Hb.AB Specimen Bi2003.24.188, on an old wall.

***Drosera anglica* Huds.**

**Great Sundew
1789-2010**

National Status: Near Threatened, Not Scarce, Native

S Hants: Scarce

Native

Apart from the first record by Canon Garnier for the Forest of Bere in the SE of the county, where it is already noted as extinct, it has only ever been known from valley bogs in the SW of the New Forest. The Town Common record must be regarded as dubious, although there is a 19th century record from Ramsdown nearby which also seems unlikely. A 1997 record for 'Cranesmoor area' (SU1802) may refer to the Vales Moor site, as Cranemoor was searched by NAS in 2007 without success.

Town Common, Christchurch Town Common Christchurch	SZ1496 SZ144960	1981-1987 1987	LW	[Date: 'as record above' assumed – DRA] 'Town Common Hurn. Wet heath at base of slope, c.5 small pl. 144960. LW!' [Not found by NAS 2007. The GR falls on a dry heath ridge with little wet ground with 50m. The wider area has areas of ordinary Wet Heath and a flooded hollow. There is nothing resembling the sort of very wet swampy mire habitat expected of <i>Drosera anglica</i> . This record is exceptionally dubious.]
Vales Moor, Burley Vales Moor, Burley	SU1903 SU192039	1961-2002 23-Jul-61	MBA	Standing water in sphagnous bog nr. road bridge. V. local, in fair quantity. Coll/Det. Mrs. M. Banks.
Vales Moor, Burley Vales Moor, Burley	SU193039 SU193039	21-Sep-02 21-Sep-02	RMV AJB	On tussock in bog, SU1930 0394.
White Moor Bottom, Burley White Moor Bottom, Burley	SU2004, SU2104 SU209047	1987-2007 01-Aug-87	RPB	Valley bog. R. c.10 plants. [Not found NAS 2007. Searched into SU20 04 for the P Bowman 1987 record but the <i>Drosera</i> and its habitat stopped short of the gridline, I question whether this pre GPS record is worth maintaining?]
White Moor Bottom White Moor Bottom	SU210047 SU210047	23-Aug-07 23-Aug-07	NAS NAS	2 plants in swampy M21a, SU2104 0478. 10+ plants in swampy M21a quaking bog north of pond with <i>Sphagnum papillosum</i> , with <i>Eleocharis multicaulis</i> , <i>Phragmites australis</i> , <i>Eriophorum angustifolium</i> , <i>Carex panicea</i> , <i>Utricularia minor</i> and <i>Pedicularis palustris</i> , at SU21059 04781 ±5m.

Stony Moors, Holmsley	SZ2199	1983-2010		
Stony Moors, Burley	SZ213995	31-Jul-10	EAP & DL	One plant at SZ21369958.
Stony Moors, Plain Heath	SZ215995	17-Jul-76	RPB	Headon Beds. Bog and fen nr stream. Rare, 20 plants.
Stony Moors, Burley	SZ215996	31-Jul-10	EAP & DL	Many from SZ2152 9961 to SZ2160 9965.
Stony Moors, Burley	SZ216996	31-Jul-10	EAP & DL	See above.
Stony Moors, Burley	SZ218991	21-Jul-96	VS	
Holmsley Ridge area	SU2100	1956-2004		
Holmsley Ridge.	SU215006	14-Jun-87	RPB	
W of Cardinal Hat, Holmsley	SU216005	31-Jul-04	MR & SBa	Valley bog at SU2169 0059.
W of Cardinal Hat, Holmsley	SU217005	29-Jul-04	MEY	
Holmsley Bog	SU2201	1884-2008		
Holmsley Bog	SU224012	04-Aug-56	RPB	Standing water in sphagnous bog among Phragmites. V. local in fair quantity.
Holmsley	SU223014	29-Jul-08	MBer	Many plants in bog pools from SU22305 01451 south-eastwards, apparently the dominant Drosera in wettest parts of this mire.
Wilverley Bog	SZ2499, SU2400	1899-2009		
Wilverley Bog	SZ246998	1969	FR	Avon Water bog, Wilverley Walk. (N of Wootton Coppice Incl.) [As note on Eriophorum gracile tetrad map.]
Wilverley Bog	SZ247997	13-May-99	BGo & JGo	Frequent.
Wilverley Bog	SZ248997	01-Sep-07	NAS	SZ24850 99781 ±5m about 15 Drosera anglica plants in similar seepage with in Rhynchospora alba – Sphagnum auriculatum community with Phragmites australis, Potamogeton polygonifolius Eleocharis multicaulis and Campyllum stellatum.
Wilverley Bog	SZ248997	01-Sep-07	NAS	SZ24884 99769 ±5m 6 Drosera anglica plants in Rhynchospora alba – Sphagnum auriculatum community with Phragmites australis, Potamogeton polygonifolius and Eleocharis multicaulis.
Wilverley Bog W	SZ248997	17-Jul-09	BGo & NM	
Wilverley Bog	SU2400	05-Aug-97	NMR	Only a few plants in wetter flushes. [Not found NAS 2007. Drosera anglica searched for in SU2400, not found.]
Hincheslea Bog	SU2700, SU2800	1899-2007		
Hincheslea Bog	SU277005	25-Aug-07	NAS	100+ plants at SU27756 00594 ±5m (presumably the same site as AJB's 1986 record with abundant Utricularia minor).
Hincheslea Bog	SU278006	25-Aug-07	NAS	One plant in bog pool at SU27855 00602 ±7m.
Hincheslea Bog	SU279006	25-Aug-07	NAS	Colony in bog pools from SU27965 00669 ±7m, through SU27975 00668 ±5m to SU28011 00710 ±5m, west of bridge, with Eleocharis multicaulis, Phragmites australis, Potamogeton polygonifolius, Rhynchospora alba and Utricularia minor
Hincheslea Bog	SU279007	25-Aug-07	NAS	Occasional Bog Pools SU27926 00725 ±4m.
Hinchelsea Bog	SU280007	30-Jun-72	RPB	Sphagnous bog fringing reedswamp SW of bridge. Rare 15-20 plants.
Hinchelsea Bog	SU280007	13-Aug-00	VS & NFSG	BAP ref. 4244. Headon Beds/Barton Sands. Edge of Phalaris dominated bog. 50 scattered over 4 x 1.5m. Map [indicates Easting. c.279] With Carex limosa. Associated spp. list made.
Hincheslea Bog	SU280007	25-Aug-07	NAS	Colony in bog pools from SU27965 00669 ±7m, through SU27975 00668 ±5m to SU28011 00710 ±5m west of bridge.
Hincheslea Bog	SU280007	25-Aug-07	NAS	Three plants east of bridge at SU8079 00735 ±5m.

N Hants: Not Recorded

Drosera x obovata Mert. & W.D.J. Koch **Hybrid Round-leaved x Great Sundew****1931-2005****National Status: Vulnerable, Rare, Native****S Hants: Rare**

Native

In fair quantity at Vales Moor but apparently always rare elsewhere. Some pre-1987 records are detailed to encourage further search.

Vales Moor	SU1903	1961-2005		
Vales Moor, Burley	SU193039	21-Sep-02	RMV	On tussock in bog, N of road, SU1930 0394.
Vales Moor, Burley	SU193039	21-Jul-05	AEB	
Holmsley Bog	SU2201	1931		
Hincheslea Bog	SU2700	1986		
Hincheslea Bog	SU278006	1986	AJB	150m to E of track S of Hinchelsea House 1 plant with abundant <i>D. anglica</i> .

N Hants: Not Recorded**Dryopteris cambrensis** (Fraser-Jenk.) Beitel & W.R. Buck. **Narrow Male-fern****1995-2010****National Status: Unlisted, Not Scarce, Native****S Hants: Scarce**

Native

The critical group of Scaly Male-ferns seems to present as many difficulties in Hampshire as elsewhere, and there is a question mark over most of the sites here. Many of the populations are associated with forestry plantations, and so may have come in with forestry operations. The populations at Busketts Lawn Inclosure, Stoke Park Woods and Crowdhill Copse could not be refound by MR and MSt in 2008, although at the first and last sites there was an interesting range of plants including *D. affinis* subsp. *paleaceolobata*. The Crowdhill Copse site has become heavily overgrown by Bramble and Bracken in the last few years. Plants in Upper Barn Copse collected by MR and MSt in 2008 were determined as "either *cambrensis* or morphotype *paleaceolobata*" by Anthony Pigott (pers. comm.)

North Oakley Inclosure	SU2308	2003		
N Oakley Inclosure (N)	SU235080	12-Mar-03	MR	12 plants on W bank of Bratley Water. Needs independent determination from fresher material, especially as these had overwintered.
Highland Water Inclosure	SU2508	2010		
Highland Water	SU253087	07-Aug-10	HFG	Bank of Highland Water, conf. KTr.
Busketts Lawn Inclosure	SU3110	2002		
Busketts Lawn Inclosure	SU313104	23-Jun-02	RMV	Near stream, near footbridge. First for SU20.
Crab Wood, Sparsholt	SU4329, SU4330	2009		
Crab Wood, Sparsholt	SU436295	05-Dec-09	MSt	SU 4369 2958. Det KTr.
Crab Wood, Sparsholt	SU438300	05-Dec-09	MSt	SU 4384 3006. Det KTr.
Botany Bay, Southampton	SU4510	1997		
Botany Bay	SU451109	16-Aug-97	PJSe	In light woodland. One large plant.
Stoke Park Woods, Bishopstoke	SU4719	1997		
Stoke Park Woods W	SU478197	25-Oct-97	PJSe	Several large plants close to a determined specimen.

Crowdhill Copse, Fair Oak	SU4819	1995-2003		
Crowdhill Copse	SU487198	24-Nov-95	PJSe	Beside Main ride in wood 1 st VC Record Hb RPB Det H Corley 1996.
Crowdhill Copse	SU487198	24-Feb-03	MR	3 plants on bank on S side of main ride, spread over a distance of c. 30m centred on SU4870 1981.
Upper Barn Copse, Fair Oak	SU4820	2003		
Upper Barn Copse	SU484201	24-Feb-03	MR	5 plants close to ride from SE corner through centre of wood, located at SU48532004, SU48452012, SU48442012. Matching plants in Crowdhill Copse but could do with independent determination.

N Hants: Not Recorded

***Dryopteris x complexa* Fraser-Jenk. Hybrid Male-fern x Scaly Male-fern**
1989-?2008

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

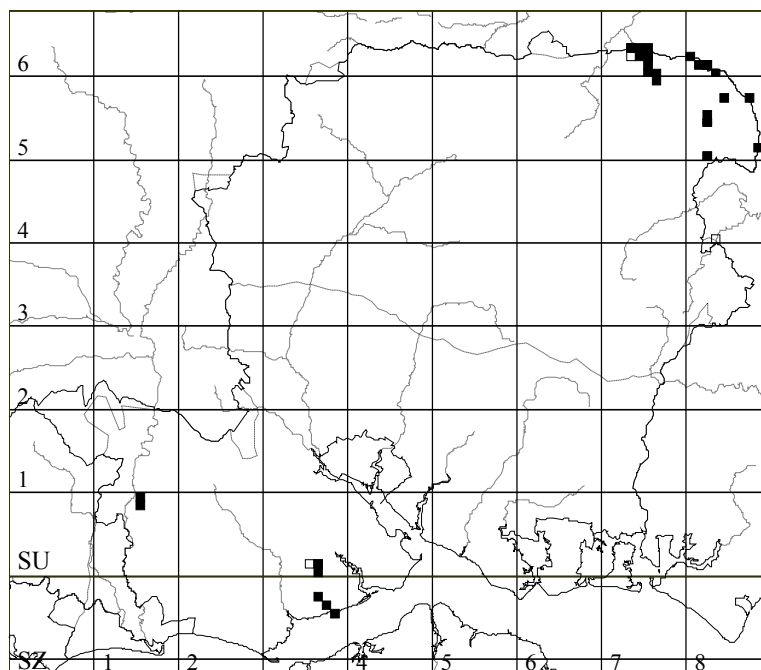
There are further putative records from Busetts Lawn Inclosure (SU3110, in 2008) and Stoke Common (SU4720, in 2006) that await determination from spring material.

Spearywell Wood, Mottisfont	SU3127	1989		
Spearywell Wood, Mottisfont	SU314278	25-Jan-89	RMV	Mixed plantation. Hb RMV Det CF-J 16/2/89 1 st VC Record Watsonia 18:419.

N Hants: Not Recorded

***Elatine hexandra* (Lapierre) DC. Six-stamened Waterwort**
1873-2010

National Status: Not Scarce, Native



S Hants: Scarce

Native

There are also records from Mottisfont (SU32) in 1898 and North Hayling (SU70) in 1921.

Ellingham	SU1407, SU1408	1987-1988		
Ellingham Lake, Ellingham	SU149074	26-Jul-87	RPB	Dominant, bed of drained gravel pit. Decreased 1988; lake refilled. SU149074 – SU148080 etc.
Ellingham Lake, Ellingham	SU148080	26-Jul-87	RPB	Dominant, bed of drained gravel pit. Decreased 1988; lake refilled. SU149074 – SU148080 etc.
Ibsley Water	SU1508, SU1509	1998-2009		
Blashford Lakes: Ibsley Water	SU154086	26-Aug-09	HFG	SU1540 0867, free-floating at east shore near Goosander Hide (seen rooted further along shore at SU1544 063 by JAN & CC). Hb DRA.
Ibsley Area	SU154091	1998	GDF	Ibsley Water.
Hatchet Moor	SU3501	1966		
East End Pond	SZ3697	2001		
East End Pond	SZ366976	11-Aug-01	WGH	c. 100 plants.
Bagshot Moor	SU3600	1989-1999		
Bagshot Moor, Hatchet Bagshot Moor	SU367002 SU367003	24-May-99 23-Jun-97	MEY MEY	
Hatchet Pond	SU3601	1936-2006		
Hatchet Pond	SU364012	08-Aug-02	BGo & JGo	Scattered in very shallow water near shore, SU3648 0129.
Hatchet Pond	SU367011	Sep-06	RFG	
Hatchet Pond	SU367016	31-Dec-96	RFG	
Hatchet Pond	SU368016	30-Jun-93	MEY	
New Forest: Hatchet Pond (SSSI)	SU368017	23-Jun-90	GHF	
Sowley Pond	SZ3796	1924-1999		
Sowley Pond	SZ377966	23-Jun-99	MEY	
Colgrims	SZ3895	2004		
Colgrims	SZ380959	24-Aug-04	AEB	At the outlet from Sowley Pond onto the saltmarsh.

N Hants: Infrequent

Native

On the edges of nutrient-poor ponds or gravel pits on the acid soils in the NE of the county. Plants normally submerged are sometimes revealed during drought or temporary draining of reservoirs.

Eleocharis parvula* (Roem. & Schult.) Link ex Bluff, Nees & Schauer*Dwarf Spike-rush
1835-2009**

National Status: Rare, Native
WCA Schedule 8

S Hants: Rare

Native

The first British record was at Lymington (SZ39H) in 1835, on a site now built over. There are nineteenth-century records that make it clear that it was not only at Stanpit but also in Mundeford Harbour (SZ19V?) and at Friar's Cliff (SZ1992 or SZ2092). Records computerised from Francis Rose's notebooks for Stony Moors, Holmsley (SZ2199) and Acres Down (SU2708) have been discounted as transcription errors for *Eleocharis quinqueflora* (= *E. pauciflora*).

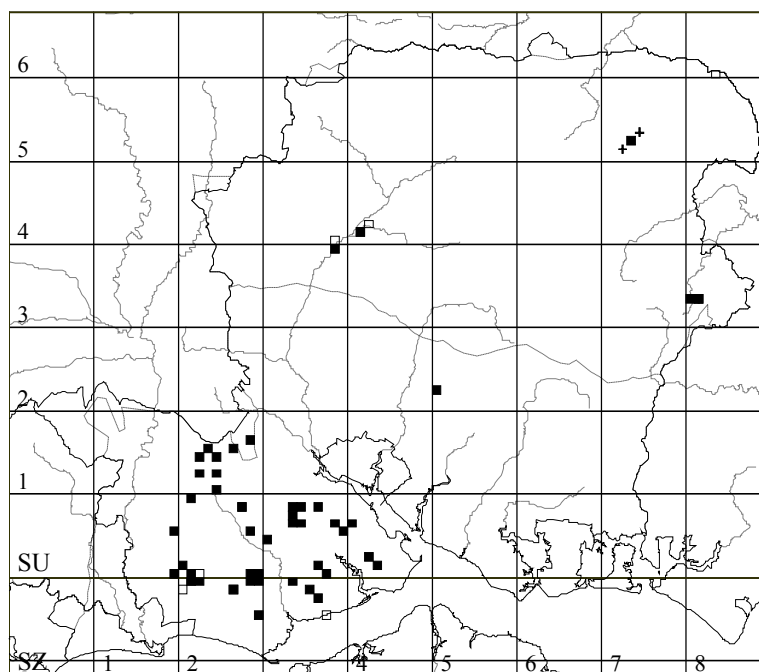
Stanpit Marsh	SZ1692	1879-2006		
Stanpit Marsh	SZ166920	05-Aug-76	RPB	Stanpit Marsh. Small saltmarsh mud pan and sides of muddy tidal creek. Rare, fairly plentiful.
Stanpit Marsh	SZ166921	03-Aug-06	RMW	5 flowering plants in about 100 in 1 sq m at SZ16647 92127.

Beaulieu Mill Pond	SU3802	1955-2009		
Beaulieu tidal pond	SU384023	11-Aug-05	AMSte	Lots of small plants, SU3846 0239.
Beaulieu Mill Pond	SU384024	22-Aug-07	MR & BGo	Flowering exceptionally prolifically at N end of population.
Beaulieu Mill Pond	SU384024	21-Jul-09	MBe	Forming quite dense patches of c. 0.2m sq extent on submerged mud W side of pond, main patches at SY38445 02469, SU38456 02448, SU38436 02491. Overwhelmingly vegetative with v. few fl stems.
Beaulieu Mill Pond	SU384025	23-Sep-04	DRA, EJC et al.	(N)W corner of pond, near B3056.
Beaulieu Village	SU385022	19-Jul-03	PJSe	Abundant on waters edge.
Beaulieu	SU386022	1976	MR	S. & W. shores of mill pond, Beaulieu.
Beaulieu	SU387023	02-Jul-01	BGo	Flowering along S margin of mill pond.

N Hants: Not Recorded

***Eleocharis quinqueflora* (Hartmann) O. Schwarz** **Few-flowered Spike-rush**
1850-2010

National Status: Not Scarce, Native



S Hants: Not Ranked

Well-distributed generally in short turf of the more base-rich flushes of the New Forest.

Native

N Hants : Scarce

There are also old records not localised to 1km squares at Fleet Pond and Longparish Marsh.

Native

Chilbolton Common **SU3839, SU3840** **1985-1999**

Chilbolton Common	SU387402	31-Jul-85	IM	HBIC record.
Chilbolton Common	SU388399	1999	MFW	

Bransbury Common **SU4141, SU4242** **1984-1996**

Bransbury Common (central)	SU416418	01-Nov-96	NAS	HBIC record. [Presumably a site centre grid ref – ARGM]
Bransbury Common	SU4242	09-Jul-86	FR	

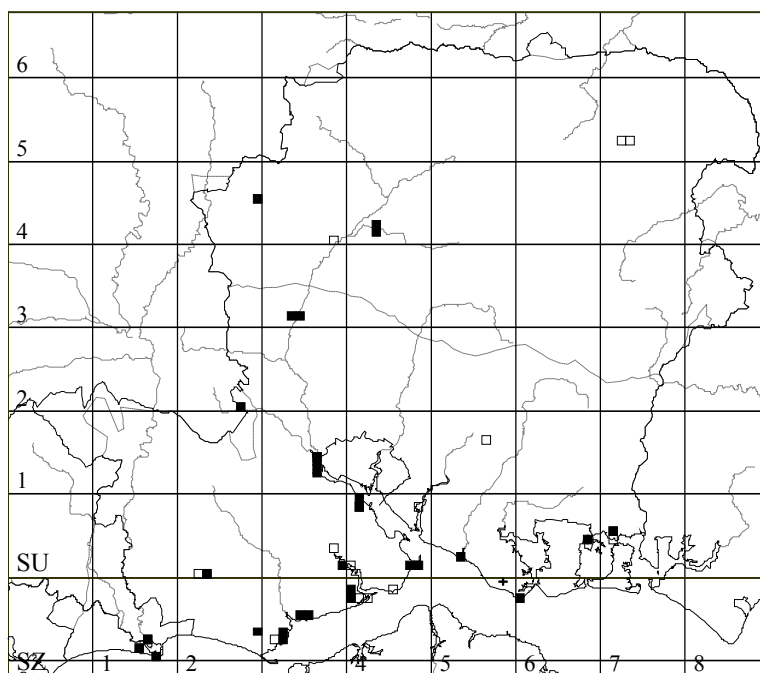
Silchester Heath, springs **SU6262** **1875**

North Warnborough North Warnborough	SU7251 SU7251	1941-1994 29-06-41	ECW	Specimen Bi 1998.11.225 in Hb.PMH, recorded as 'Scirpus pauciflorus, North Warnborough Marsh'. [Grid ref. from version of record in VC12 Card Index – ARGM].
Warnborough Green, North Warnborough	SU731521	1994	AJPB	c.1994, a few plants in a scrape created beside the Mill Car Park on North Warnborough Green (south). This scrape was created after silt was mistakenly pumped onto the reserve from the R. Whitewater. Specimen conf. FR.
Poland Mill meadows, Odiham	SU7453	1898		
Hollywater Green Hollywater Green	SU8033 SU808337	1992 24-Jun-92	CRH	Hb.AB Specimen Bi2003.24.1238, at SU808337½. [The specimen is a single immature spike. Someone (handwriting not recognised) has annotated it 'Eleocharis, possibly quinqueflora' – ARGM]
Conford Moor Conford Moor, West Fen	SU8133 SU8133	1937-1990 1990	FR	'In NW fen until c.1990' (Now gone). Communicated to ARGM in a letter dated 16/08/1998.
Conford Moor	SU818333	1988	FR	In wet hollow at NW end of fen.
Darby Green	SU8360	1961		

***Eleocharis uniglumis* (Link) Schult.**

Slender Spike-rush
1862-2009

National Status: Not Scarce, Native



S Hants: Infrequent

In mineral-rich damp turf and marshes, mostly near the coast.

Native

N Hants: Rare

In base-rich fens, probably still present at Chilbolton and North Warnborough Green though not recorded there recently.

Native

Mullenspond, Thruxton	SU2945	2006-2009		
Mullenspond, Thruxton	SU296457	25-Jun-09	ARGM & MHod	Scattered at SU2952 4578 in a patch of shorter vegetation in a marshy meadow, and confusingly mixed in an abundance of dwarf forms of <i>Eleocharis palustris</i> . Specimens clearly have a floret in the second glume, and one glume nearly encircles the spikelet base. Note that this is where RPB recorded <i>Blysmus compressus</i> on 22 May 1965, but we could not re-find that.
Mullen's Pond	SU296458	14-Jun-06	ILR	HBIC record. At SU2960 4585.
Chilbolton area	SU3840	1979-1984		
MOD Barton Stacey	SU4341, SU4342	2007		
MOD Barton Stacey	SU4341	27-Jun-07	JRM	
MOD Barton Stacey	SU4342	27-Jun-07	JRM	
North Warnborough Green	SU7252, SU7352	1982-1983		

***Elytrigia x acuta* (DC.) Tzvelev** **Hybrid Sea x Sand Couch**
1921-1978

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

There are also 1920s records from the Christchurch area (SZ19).

Thorns Beach, East End **SZ3895** **1965**

Fort Cumberland, Eastney **SZ6898** **1978**

N Hants: Not Recorded

***Elytrigia x laxa* (Fr.) Kerguélen** **Hybrid Common x Sea Couch**
1951-2007

National Status: Unlisted, Scarce, Native

S Hants: Scarce

Native

Probably overlooked. There is a record from Farlington Marshes (SU60X) in 1951, and also some as yet unconfirmed records from road salting routes.

Eling **SU3612** **1986**

Sims Wood, Beaulieu **SU4001** **1996**

Sims Wood, Beaulieu SU407011 1996 RPB Det TAC.

Dibden Bay **SU4208** **1996**

W of Hythe Marina SU420088 1996 RPB Det TAC.

Hook with Warsash **SU4804** **2007**

Hook with Warsash SU488049 27-Jun-07 MR & HFG Behind shingle beach by tamarisk scrub at SU4884 0494. Anthers + pollen checked microscopically.

Hill Head **SU5401** **2004**

Salterns Park SU549018 05-Jul-04 MG HBIC record. Locally frequent.

Gosport **SZ6199** **2001**

Gosport town S SZ613995 15-Jul-01 DRA Creeping (patch-forming), lvs glaucous, Hairless, v. rough above, Conf. EJC. (Site was filled & surfaced to create (Asda) car park c.2004 – DRA.)

Northney **SU7204** **2005**
 Northney Marina SU725042 30-Oct-05 EJC & MR Spikelets retained some undehisced anthers with empty pollen grains.

N Hants: Not Recorded

***Epipactis leptochila* (Godfery) Godfery** **Narrow-lipped Helleborine**
1954-1994

National Status: Unlisted, Scarce, Native

S Hants: Rare **Native**
 Although all records for the Merdon station predate the age band for recent records, details are reproduced here to encourage further search.

Hedgemoor Copse, West Tytherley	SU2631	1956-1993		
Hedgemoor Copse, West Tytherley	SU261312	28-Jun-87	VW	As 'E. leptochila. Under mature beech in mixed coppice/scrub near edge of wood. Colour transparency RPB. Expert RPB 21.7.87'. Comm. 'Only extant locality RPB' 'Population total of 15 spikes, nearly all in plot 5x5m.' – noted on back of photocopy of card.
Hedgemoor Copse, West Tytherley	SU261312 SU261315	1993 28-Jul-56	MNJ ARo	'c.SU261315. Beechwood on chalk. VL. 40-50 scattered plants. RPB! None seen 1966'. (Conservation: 15.5.66 Beechwood habitat partially felled. No plants located 28.7.66) [See card 8.8.1954, SU424266]. (Watsonia 1962 (1956))
Hedgemoor Copse, West Tytherley	SU262313	1989	FR	2 pl. under beeches by road. 2 pl. further into wood.
Merdon, Hursley	SU4226	1954-1974		
Merdon, Hursley	SU423267	08-Aug-54	ARo	SU423267, etc. Beechwood, N of road. Very locally plentiful, lost – due to replanting.
Merdon, Hursley	SU424266	1973	ARo	Note on back of 8.8.1954 card: 'S. of road revival noted – 13 plants (3 in fl.) seen – probably due to falling of many beeches attacked by woodworm, allowing more light into wood.'
N of Hursley	SU42I	1974	RPB	As 'E. leptochila (Godfery) Godfery. Merdon Hursley'. Additional comment: 'Both found by A. Roseweir, verified by D.P. Young, in company with V. Summerhayes & RPB. Not refound in 2630 for many years, but though very reduced in 4226, a few plants still survive (1974). RPB.'

N Hants : Rare **Native**
 In spite of the different map references, there is probably only a single site at Headley, as MNJ refers to refinding it where recently recorded by a member of the "County Ecology Team of HCC". HBIC holds records for a few other sites but these need confirmation. The most plausible of these at Mattingley is included for interest, though strictly it does not qualify as a recent (i.e. post-1986) record.

Headley	SU5062, SU5063	1990-1994		
Headley, near	SU5063	Jul-94	MNJ	6 plants together with a dozen E. helleborine and a single E. phyllanthos in a damp flushed sallow, alder, birch and hazel wood. [This area searched unsuccessfully by ARGM on 30 Jul 2009. Only Epipactis found were three E. helleborine beside track at SU5079 6247.]
Aldersbrook, near Headley	SU508627	13-Jun-90	JRow	[The map ref. of SU5080 6275 might be a centroid for the site then being surveyed by HCC, as many other species were given this location on that day, including E. phyllanthos and E. purpurata – ARGM] [Area searched unsuccessfully by ARGM on 30 Jul 2009.]

Eight Acre Copse, Mattingley	SU7158	1979			
Eight Acre Copse, Mattingley	SU717582	31-Jul-79	APNH	Although he could not refind it here in 1994, MNJ accepted this record in his book on the orchids of Hampshire. [Area searched unsuccessfully by ARGM on 30 Jul 2009, but wood is now very overgrown and dark.]	
Selborne Hanger	SU7333	1934			

***Epipactis palustris* (L.) Crantz**

Marsh Helleborine 1633-2010

**National Status: Not Scarce, Native
EC CITES**

S Hants: Rare

Native

There are old records for the Fordingbridge area, "abundantly" (1862), "common in Test valley N of Mottisfont", Otterbourne (this may be the same locality as that recorded N of Highbridge by MR in 1982), and Warnford. There are other unconfirmed records for the lower Itchen valley below Highbridge and it deserves to be searched for over the whole stretch. While the 1996 *Flora* notes "more frequent in Hants than in any other English county except Norfolk", the story in South Hampshire is a sorry one of decline.

Sagles Spring, Rockbourne	SU1216	1977-1987			
Sagles Spring, Rockbourne	SU126166	20-Jul-84	RPB	Open fen and fen pasture 200+ 1977, 2 fl spikes 1984.	
Sagles Spring, Rockbourne	SU126167	16-Jul-77	RPB	Locally plentiful c.200+ flg sp.	
Sagle Springs	SU126168	18-Jul-87	MNJ		
Stony Moors, Holmsley	SZ2199	1956-1982			
Marlborough Deep, Wootton	SZ2298	1956-1960			
Lower Ashley	SZ2594	1928			
Boundway Hill, Sway	SZ2598, SZ2698	1967-2010			
Boundway Hill, Sway	SZ257985	29-Jun-07	WGH		
Boundway Hill	SZ261987	15-Jul-10	MFa	25 at edge of boggy area/scrub. SZ 2616 9876	
Boundway Hill, Sway	SZ261988	Aug-07	SCu	At SZ2613 9882	
Sway and Mead End	SZ262986	23-Jul-96	VS	Boundway Hill	
Nr Avon Water	SZ262987	26-Jun-71	RPB	Count of 550+ aerial leaf shoot and spikes of which c.200 were flowering spikes (as note on back of 1970 record)	
Boundway Hill, Sway					
Brook Chalk Pit	SU3327	1973-1981			
King's Somborne	SU3531	1940			
Sowley Pond area	SZ3796	?1850-1873			
Flexford, Chandlers Ford	SU4221	1953-?1974			
Highbridge	SU4621	1982			
Bishops Waltham Moors	SU5616	1967-2000			
The Moors, Bishop's Waltham	SU561169	10-Aug-84	RPB	Fen Meadow E of carr, 16 flowering spikes.	
The Moors L1 / K	SU5616	12-Jul-00	JAN & DRA		
Rudley Mill	SU6212	1931			
Lye Heath, Southwick	SU6408	1967-1985			

Purbrook SU6608 1957-1967

Petersfield SU7421 1633

Native

N Hants : Scarce

Unlike other helleborines, it requires full sun in fens on basic soils, or wet heathland where flushed by somewhat calcareous ground water. Although it shows a general decline, this is not so marked as in VC11, and it is still thriving at several sites. It was recently refound at Warnborough Green Meadows which has a history of older records at tetrad level.

Stockbridge North Fen SU3535 1985-2002

Stockbridge North Fen SU3535 14-Jul-02 BGo & JGo Two small colonies seen.

Stockbridge Fen SU359354 19-Apr-91 ENa HBIC record.

Bransbury Common SU4141, SU4242 1978-1988

Bransbury Common (central) SU416418 1986 FR HBIC record. [Presumably a site centre grid ref – ARGM]

Bransbury Common SU4242 19-Jul-88 PB, FR & EAP 3 inflorescences in fen.

Longparish SU4444 1967

Kingsclere SU5458 1992

Sandford Springs golf-course, Kingsclere SU542588 1992 PB 12 flower spikes.

Titchborne Springs SU5731 1965-1996

Titchborne Common SU575316 16-Jun-75 FR

Titchborne Springs, New Alresford SU576317 1996 FR

Alresford, Spring Gardens SU5731 1949

Marnel Dell SU6354 1835-1960

Mapledurwell Fen SU6752, SU6852 1970-2009

Mapledurwell Fen HWT reserve SU677523 11-Jun-09 ARGM Many leaves at SU6779 5232.

Mapledurwell Fen SU677522 1975 FR HBIC record.

Mapledurwell Fen, Mapledurwell SU678522 08-Jul-08 NM

Mapledurwell Fen, Hatch SU678523 05-Jul-82 FR In calcareous marsh.

Mapledurwell – East SU6852 04-Jul-92 NAS, FR & KS var. ochroleuca and var. palustris – locally abundant.

Greywell SU7151, SU7251 1971-2010

Greywell SU7151 24-Jun-97 FR Only 3 – all in bud.

Greywell Fen SU718507 1984 ENa HBIC record.

Greywell Moors SU720509 01-Jul-81 AJPB A single flowering spike in a new location (different to the species-rich fen site close to the river footbridge or the pumping station site). A few plants have flowered in this area since – depending on grazing and weather.

Greywell Moors SU720510 19-Jul-10 ARGM A few at SU7203 5109.

Greywell Pumping Station SU722513 07-Aug-95 ILR HBIC record. At SU7222 5135.

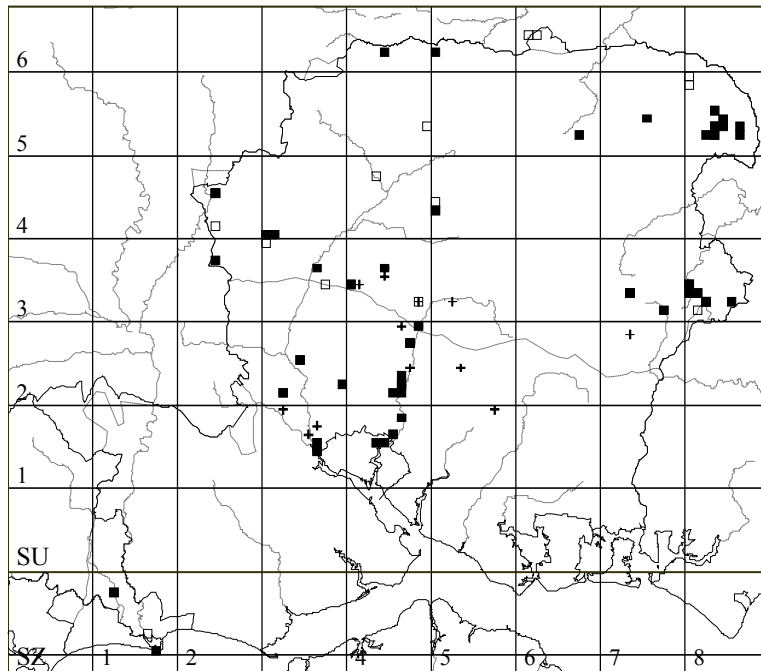
Greywell Pumping Station SU722514 19-Jul-10 ARGM Several hundred spikes at SU7224 5141, a few hundred more at SU7225 5142, and another 50 at SU7226 5142, in all cases about a quarter of them are the white-flowered form. In the next field, 50 spikes at SU7229 5144 including some white ones.

Greywell SU723514 19-Jul-10 ARGM A patch in the field beyond the Pumping Station at SU7232 5145, including one spike of the white-flowered form

King John's Meadow SU723515 1990 AJPB c.1990, there is a scatter of plants in most summers here.

Greywell	SU724515	19-Jul-10	ARGM	A patch with 30 spikes in the field beyond the Pumping Station at SU7241 5159, scattered over several metres.
Long Fen Meadow	SU725516	26-Jun-83	ENa	HBIC record.
Oakshott, N of N of Oakshott	SU7228 SU729282	1996 1996	AB	
Warnborough Green Meadows	SU7251, SU7352	1982-2008		
North Warnborough Greens – W part	SU7251	19-Jul-82	FR	To south.
Warnborough Green	SU730520	28-Jun-83	FR	HBIC record.
Warnborough Green Meadows	SU731520	21-Jun-08	RC & ML	2 flower spikes close together, amongst the display of Southern Marsh Orchids.
Cranmer Bottom, Woolmer Forest	SU7932	1980		
Longmoor Camp airstrip	SU8031	1970-1980		
Conford Moor	SU8133, SU8233	1956-1998		
Conford	SU818332	02-Aug-98	ARGM	SU818332½, one rather sickly plant found. Extreme W end of Conford Fen. In tiny area of much shorter vegetation.
Conford Moor	SU818333	23-Jul-74	FR	SE end.
Conford Moor	SU819332	13-Jul-90	FR	36 inflorescences.
Conford Moor	SU819333	1998	FR	Only 2 seen, formerly in quantity.
Conford	SU821329	08-Aug-70	RPB	Fen bordering alder carr along stream, 20 plants.
Conford Moor	SU821334	18-Jun-87	HCC	HBIC record.
Conford Moor – East	SU822331	1989	FR	'Gone from there now'. Communicated to ARGM in a letter from FR dated 16/8/98.
Eelmoor Marsh	SU8352	1975-2009		
Eelmoor Marsh	SU839529	01-Jul-09	CRH	Total of 302 spikes in the main site, c.6m x 4m at SU8394 5295 mostly within an enclosure to prevent grazing April to November. Also 15 flower spikes and two grazed off in a secondary area c.220cm x 220cm at SU8393 5296.

National Status: Scarce, Native
EC CITES



S Hants: Infrequent

Native

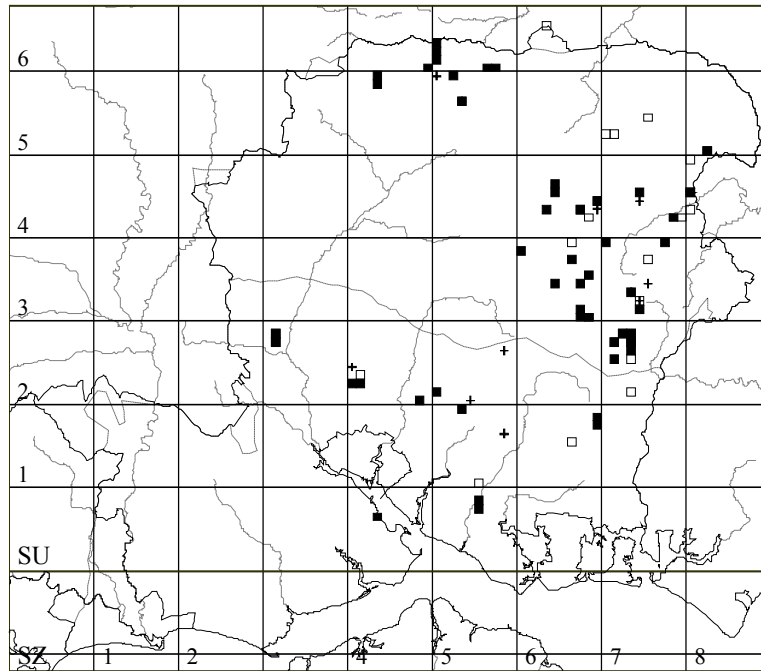
The varieties are not distinguished here. The majority of records for var. *degenera* are from the Itchen Valley. Many records determined to variety from elsewhere are var. *vectensis*. For further details see the 1996 *Flora*.

N Hants: Not Ranked

Native

It seems indifferent to soil pH and is found in a wide range of different shady habitats, often on humus-poor sandy substrates. It is widely distributed in VC12 but usually with only a few plants at each site. It has been lost from many sites but could be overlooked in others.

National Status: Not Scarce, Native



S Hants: Scarce

Native

There are records from near Twyford (SU42) in 1989, Fishers Pond (SU42V) in 1990, and the Horndean area (SU71) in the early 20th century. A number of the older records have been checked and not refound; the Upham site has been destroyed. It appears to be very palatable to deer and some populations are suffering as a result.

Plaitford Wood	SU2821	1986		
Spearywell, Mottisfont	SU3127	1964-1987		
Spearywell Mottisfont	SU314274	08-Aug-64	RPB	Mossy wooded bank of old pits in lane, 12 spikes RPB 1964 9 spikes MNJ 1984.
Mottisfont	SU314274	25-Aug-87	MNJ	
Bunnyhill Copse, Mottisfont	SU3128	1968-2009		
Spearywell, Mottisfont	SU316283	15-Aug-02	MR	On W bank of lane. 9 spikes,
Bunnyhill Copse, Mottisfont	SU316286	25-Jul-08	MR	W side of B3084 at SU3169 2864. Both spikes in bud but all leaves bitten off almost to base,
Spearywell Mottisfont	SU317285	1968-1982	GDF	Shady woodland roadbank W side 3 spikes 11 spikes 1979 & 9 spikes 1982,
Spearywell Mottisfont	SU317285	08-Aug-09	MR	5 flowering spikes, one eaten off, on W bank of lane opposite Back Lane,
Road verge 134, B3084	SU317286	17-Jul-03	ILR	
Pound Lane, Ampfield	SU4022	1990-2001		
Pound Lane, Ampfield	SU400221	19-Nov-90	RPB	Steep W roadbank under oak canopy N of Rlwy Bridge. 8 plants, 4 plants in fruit 19/11/90, following record earlier in season by PS. [No plants found here in 2001 or 2008 – MR.]
Pound Lane, Ampfield	SU400221	11-Aug-01	MR	1 depauperate flowering spike and 1 non-flowering spike on E side of lane just S of railway bridge (on steep bank). This is on other side of lane and bridge from previous records.
Ampfield Wood	SU4024	1936		
Trodds Copse, Ampfield	SU4122	1987		
Trodds Copse	SU417223	24-Aug-87	HCC	

Long Copse, Ampfield	SU4123	1985		
Langdown, Hythe Langdown, Hythe	SU4306 SU431062	2004-2005 30-Aug-05	PAB	Two plants on shady grass verge outside a garden at Hart Hill, Hythe. First found in 2004 by Mr and Mrs Rackham.
Pound Copse, Marwell Pound Copse	SU5021 SU509215	2002 24-Jul-02	CRH	Two spikes.
Slappinrail Copse, Upham Slappinrail Copse	SU5319 SU530199	2003 19-May-03	JMill	HBIC record. Occasional
Grasted Copse, Upham	SU5420	1954		
Funtley, Fareham	SU5507, SU5508	1998-2008		
Funtley	SU553080	05-Aug-97	PAB	29 spikes. Disused railway bank.
Deviation Line	SU554077	10-Jun-08	JMill	HBIC record. Rare.
Funtley, Fareham	SU554079	25-Sep-88	DPJS	Wooded banks of disused railway N of M27, 64 spikes.
Old Railway Embankment, Funtly	SU554079	13-Aug-10	NJ	4 plants
Old Railway Embankment, Funtly	SU554080	13-Aug-10	NJ	5 plants, 11 flower spikes
Old Railway Embankment, Funtly	SU554081	13-Aug-10	NJ	20 plants, 44 flower spikes
Hookhouse Coppice	SU555080	09-Aug-04	MG	
Hookhouse Coppice	SU555081	04-Aug-02	JAN, DRA & NMR	Funtley railway, E side. 3 spikes.
Tapnage	SU5510	1979		
Admiral's Copse, Swanmore	SU5816	1950		
Shorley Copse, Beauworth	SU5826	1937		
The Hangers, Hambledon	SU6615	1978		
Lowton's Copse, Clanfield	SU6917	2003		
Lowton's Copse	SU698179	26-May-03	JMill	HBIC record. Frequent.
Blagden Copse, Clanfield	SU6918	2003		
Blagden Copse	SU696184	26-May-03	JMill	HBIC record. Rare.
Bolinge Hill, Buriton	SU7321	1984		

N Hants : Not Ranked

Native

Most sites are concentrated in the east of the county, including the hangers. It is typically found in beechwoods on the chalk, often in deep shade with little competing ground flora, but there are roadside verge sites where it does tolerate some competition. Occasionally it occurs in shady deciduous woodland on more neutral soils, such as the London Clay in the north of the county.

***Equisetum hyemale* L.**

Rough Horsetail
1887-2007

National Status: Not Scarce, Native

S Hants: Rare

Native and Introduced

Transplants from Lordswood were made into two areas in the New Forest in the 1960s: Linwood (SU10Z) and Minstead (SU20U). These appear to have persisted for a number of years, then failed. The original

population survives among the housing estates. Also recorded in the ?1950s from the Otterbourne area (SU42). The Gosport site is an introduction.

Lords Wood, Southampton	SU3915	1887-2007		
Tanner's Brook, Lord's Wood	SU396159	1887	GMAH	Spec. in OXF ex Hb. Canon Vaughan. (Specimen sheet is labelled "Lords Wood, Swaythling, S. Hants, G.M.A. Hewett, Herb. Canan Vaughan", "Brownie May 18 1887, (see photocopy of specimen) H.E. Fox". 'There is no Lord's Wood at Swaythling, so it must refer to the only known extant site. RPB.'
Aldermoor	SU397157	21-Jun-01	BGo & JGo	Abundant in a very small area, first seen by BGo in 1965.
Lordswood, Southampton	SU397159	19-Mar-53	RPB	Tanner's Brook, Lord's Wood. Hazel coppice with alder on silted bank of stream. V. locally abundant. See notes re. development & colony transplantation [transpl. on 5.11.66 to Long Aldermoor Res. and to Appleslade (Miss Haines)].
Aldermoor Copse	SU397159	04-May-07	PAB	Still plentiful.
Leesland, Gosport	SU6000	2002		
Leesland N	SU607000	26-Jul-02	JAN & DRA	Conservation Area 'pond', with cones.

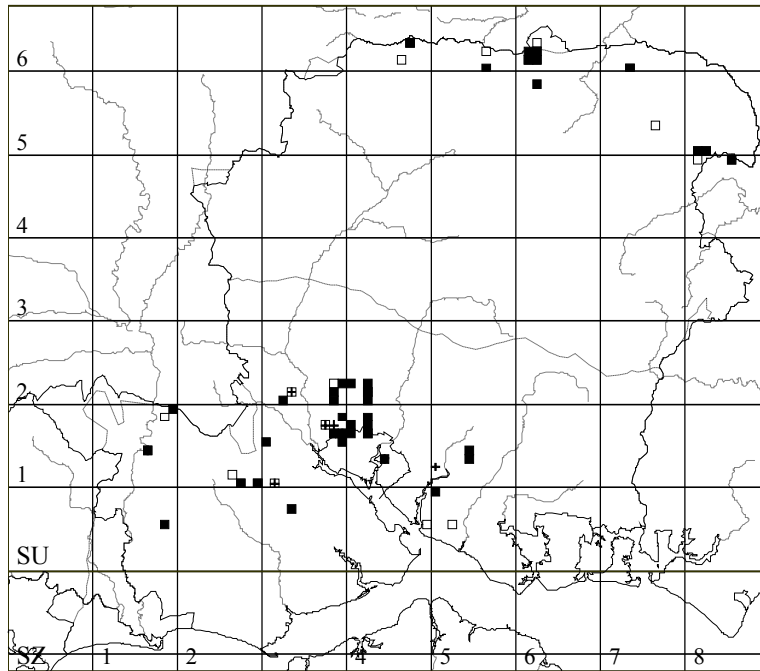
N Hants: Rare

Native

Only a single site is known, very close to the border with Surrey. Here it seems to be suffering from too much shade.

Dippenhall	SU8045	1980-2008		
Dippenhall, Fishponds Copse	SU807452	23-Aug-08	FJR	A rather sparse population. The northern end at SU80723 45279 and extending sporadically down the little stream on its banks and on adjacent bare damp calcareous clay under <i>Corylus</i> for about 30m, but with few aggregations of more than a couple of stems.
Fishponds Copse	SU807454	05/04/90	ILR	HBIC record.

National Status: Not Scarce, Native



S Hants: Infrequent

Native

A concentration of records on the tertiary to the N of Southampton, with scattered sites on the New Forest and elsewhere. It is tolerant of shading and persists in currently unmanaged woodland.

N Hants: Scarce

Native

The site at Rowhill Copse, Aldershot was on both banks of the Hants/Surrey border stream when found in 1978, but it declined and was recorded only on the Surrey side in 1990. The most recent search in 2008 failed to refind plants on either side of the stream. It has a stronghold in parts of Pamber Forest and Silchester Common.

Tot Hill, W of Burghclere	SU4661	1982		
Newtown Common	SU4763	1960-1999		
Newtown Grange	SU473631	22-Oct-90	JRow	HBIC record.
Newtown	SU473633	1960	CL	By the brook below Newtown common. Plentiful. (Now overgrown (1982) VF).
Newtown Common	SU474633	Apr-99	PBi	
Wheat Hold	SU5660	2003		
Wheat Hold	SU561607	12-Aug-03	MG	HBIC record. By minor road.
Redlands Copse, Ashford Hill	SU5662	1979		
Pamber Forest	SU6161, SU6261	1963-2009		
Pamber Forest	SU611613	31-Oct-09	ARGM & WGH	Huge patch with many hundreds of plants in boggy woods where known to WGH since 1950's. Colony extends 50m x 50m on edge of Pamber Forest Reserve and continues another 30m west into private land. Colony includes parts of 100m squares SU610613, SU610614, SU611613 and SU611614.
Pamber Forest, HWT reserve	SU613613	25-Oct-09	ARGM	Plentiful beside main ride SU6138 6131 to SU6136 6135.
Pamber Forest HWT reserve	SU613614	16-Oct-05	ARGM & WGH	c.200 stems beside the 'Straight Ride' at SU6134 6142.
Pamber Forest and Silchester Common SSSI	SU613617	1973	JHe	Pamber Forest, just inside the gate on main path N-S.

Beggars Bridge Copse	SU614613	01-Jun-01	ILR	HBIC record.
Heath Copse	SU614616	17-May-01	ILR	HBIC record. At SU6143 6163.
Heath Copse	SU617617	02-Aug-79	PHC	HBIC record. At SU6176 6170.
Pamber Heath	SU619615	22-Jun-63	HJMB	
Upper Inhams Copse	SU623616	22-Apr-99	ILR	HBIC record.
Silchester Common	SU6162, SU6261, SU6262	1975-2009		
Silchester Common (SSSI)	SU619622	16-Oct-05	ARGM & WGH	Over 300 spikes counted extending along base of steep slope beside track, SU6200 6216 to SU6192 6226.
Silchester Common	SU620618	1983	CRH	SU6200 6180.
Silchester Common	SU621621	10-Jun-79	ARGM	
Silchester Common	SU623622	14-Jun-09	ARGM & WGH	97 fronds under scrub in bog fed by springs, SU6232 6223 to SU6229 6222.
Blackwater Copse	SU6258	1991		
Blackwater Copse, nr Salters Heath	SU620580	07-May-91	ILR	Several hundred – Large patch spread throughout the Alder stand in the south of Blackwater Copse – Probably making it into 3 different tetrads.
Great Danmoor Copse	SU7360	1985-1991		
Danmoor Copse	SU736602	28-Jun-91	CRH	Hundreds in flushed areas, widespread and too numerous to count.
Great Danmoor Copse, Heckfield	SU736603	1985	CRH	Abundant.
Danmoor Copse, Holdshot	SU736604	20-May-85	CRH	400+ in wet woodland and flushed slopes.
Withy Bed Copse	SU7653	1979		
Skains Copse, Ewshot	SU8149, SU8150	1984-2007		
Skains Copse, Ewshot	SU813499	04-May-84	CRH	At least 350 plants from SU813499 to SU814500.
Skains Copse, Ewshot	SU813500	15-Jun-98	CRH	254 stems at corner of copse where two minor streams meet, c.SU8138 5002 / 8134 5002, some invasion by holly.
Woodlands, Ewshot	SU813500	03-Sep-07	JMill	In marshy grassland at SU8137 5000 adjacent to Combe Wood.
Beacon Hill, Ewshot	SU8250	1960-2008		
Beacon Hill, Ewshot	SU823504	28-Jul-08	ARGM	18 weak spikes in ditch at SU8239 5046, about 4m downhill from path, but no longer any surviving beside the path. Decreasing due to growth of Tsuga plantation.
Beacon Hill, NE of Ewshot	SU823505	1986	ARGM	At three sites close together, in SU823505, SU824504 and SU824505.
Rowhill Copse, Aldershot	SU8549	1978-1986		

***Equisetum variegatum* Schleich. ex F. Weber & D. Mohr** **Variegated Horsetail**
1961-1976

National Status: Scarce, Native

S Hants: Rare or Extinct

Native

A record from the computerisation of Francis Rose's notebooks at Stoney Cross (SU2511) has been discounted as a probable transcription error pending further investigation, as no other mention of this significant find was made in local or national journals. The Hoe Lane population did not survive the infilling of the pit in which it grew, despite attempts to relocate it to the bank above. The Otterbourne record is another transplant from the Hoe Lane site, which also failed to survive.

Hoe Lane, Rownhams **SU3819** **1961-1976**

Chandler's Ford / Otterbourne area **SU4522** **1962**

N Hants: Not Recorded

***Equisetum x bowmanii* C.N. Page**

**Hybrid Wood x Great Horsetail
1986-2006**

National Status: Vulnerable, Rare, Native

S Hants: Rare

Native

This hybrid was first described from the Minstead site and until very recently was known from close to the A337 between Lyndhurst and Cadnam but nowhere else in the world. In 2007 it was also discovered at a site in Scotland.

Minstead Road area, SU2910		1999-2006			
Minstead					
Furzy Lawn	SU296103	08-Jun-99	BGo & JGo		
Minstead Road, Minstead	SU296105	10-Jul-86	RPB		Near A337, Minstead Road, Minstead: Roadbanks and adjacent short turf, on wet clay. Hb. Edinburgh ([holo]type). First record for world. (Watsonia 17: 273-7).
Minstead Road, Minstead	SU296105	16-Oct-04	MR		Frequent under Bracken and Bramble over c. 30m on S side of road, W of junction with A337, at SU29671053 +-11m
Minstead	SU296105	17-Oct-06	BGO, JGo & MR		Locally frequent in scrub on S side of road, rare and localised on N side of road.
Brockis Hill, Bartley SU2911		1989-2004			
Brockis Hill	SU2911	1989	AJB		[Approx grid ref. – only locality noted] Along W. roadside of A337, south of Cadnam Cricket Ground, and at Brock's Hill.
Road verge ns44, A337	SU296112	05-Jun-98	JRow		
A337, Brockis Hill	SU296113	16-Oct-04	MR		W verge of road over c. 40m at SU2967 1136 +-12m
A337 Brockis Hill, Bartley	SU296116	05-Jun-98	JRow		HBIC record. Rare, SU29651168
	SU297114	1993	PS		'Also recorded at 297114 P.D. Stanley 1993' [Back of SU296116, RPB,19/8/1989, record card]
Shave Wood area, Bartley SU2912		1989-2006			
Shave Wood	SU294124	10-Jun-01	PJSe		Abundant beside road and along stream in wood. Neither parent close by.
Shave Wood, Bartley	SU294125	1989	AJB		SU295123 – 294125. A337 Shave Wood, Bartley, W roadside on bank, in ditch and verge, also just inside wood. Hb. RPB. Dominant over 255m extent. Average width of extent c.5m.
Frenches Bushes, Bartley	SU295120	21-Aug-89	RPB		E verge and bank 170m S of crossroads.
Road verge ns44, A337	SU295121	05-Jun-98	JRow		
Shave Wood, Bartley	SU295123	1989	AJB		SU295123 – 294125. A337 Shave Wood, Bartley, W roadside on bank, in ditch and verge, also just inside wood. Hb. RPB. Dominant over 255m extent. Average width of extent c.5m.
A337 E of Shave Wood	SU295124	16-Oct-04	MR		Abundant over c. 150m on W side of road from SU2953 1241 to SU2950 1258 +-14m
A337 E of Shave Wood	SU295125	16-Oct-04	MR		Abundant over c. 150m on W side of road from SU2953 1241 to SU2950 1258 +-14m
Shave Wood, Bartley	SU296122	1993	PS		'Also recorded at 296122 P.D. Stanley 1993' [Back of SU295120, RPB, 21.8.1989 record card]
French's Bushes	SU296124	1993	PS		'Also recorded at 296124 P.D. Stanley 1993' [Back of SU296116, A. Byfield, 1989 record card.]

N Hants: Not Recorded

Equisetum x dycei C.N. Page**Hybrid Water x Marsh Horsetail
2009-2010****National Status: Scarce, Native****S Hants: Not Recorded**

Native

N Hants: Rare

Native

It is likely that this hybrid is under-recorded as both parents are relatively common and often grow in close proximity. Morphologically it is very similar to *E. x litorale*, so it could easily be mistaken for that.

Eelmoor Flash	SU8452	2009-2010			
Eelmoor Flash	SU842527	20-Aug-10	ARGM	Specimen in Hb.ARGM, from colony at SU8423 5279. First found by FJR (and conf. P Adcock) on 25 Jul 2009. <i>E. x litorale</i> as well as <i>E. palustre</i> and <i>E. fluviatile</i> are all also present.	

Equisetum x font-queri Rothm.**Hybrid Marsh x Great Horsetail
1991-2001****National Status: Unlisted, Scarce**

Native

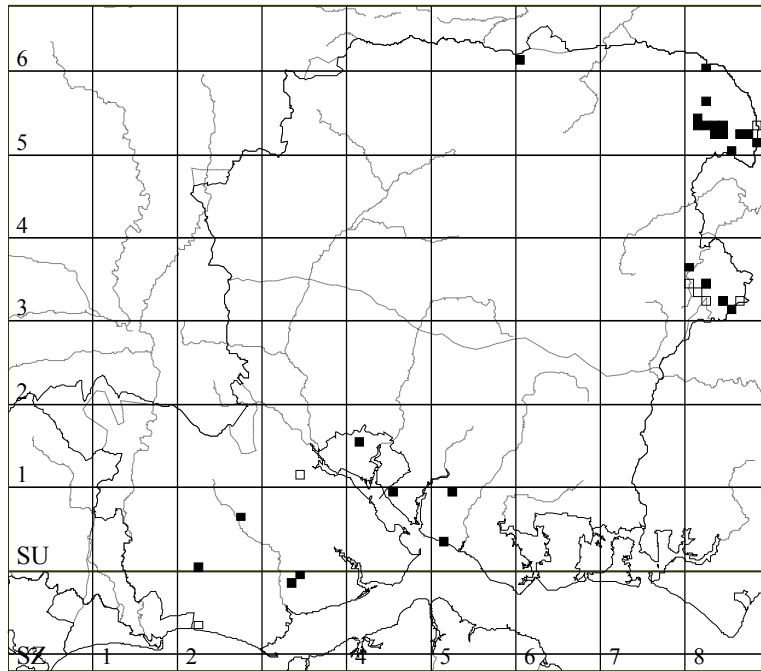
S Hants: Rare, Native

The Kings Hat Inclosure population was not refound in 2006 by a Hampshire Flora Group survey party which included the original finder.

South Baddesley	SZ3496,	1991-2001			
	SZ3596				
South Baddesley	SZ347966	13-Jun-93	RPB		
South Baddesley	SZ348966	10-Jun-01	PJSe	Hb PJSe	
South Baddesley	SZ349966	03-Jun-01	PJSe		
South Baddesley	SZ350966	05-Aug-91	MWR	SZ349966 – 350966. Roadside. Colony extends over 100m of roadside. Hb E, Hb RPB, Watsonia Vol 19, p.279. Expert : C.N. Page 27.6.1992.	
Norley	SZ350966	22-Oct-96	MEY	South Baddesley Church. Roadside ditch.	
New Forest S. Baddesley	SZ351966	Jun-01	PBi		
Kings Hat Inclosure, Denny Lodge	SU3905	1999			
King's Hat Inclosure	SU398055	18-Sep-99	NAS	2 nd VC Record	

N Hants: Not Recorded

National Status: Unlisted, Not Scarce, Native

**S Hants: Scarce**

Native

Also recorded from Crockford Bridge (SZ39P), Lordswood (SU31Y) and Brambridge (SU42Q) in the 1950s and 1960s, and the Sandy Down / Boldre area (SZ39E) in 1970. The Gull Coppice population could not be refound in 2003-4 by the Local Change survey team; the area has been heavily developed and, although the wood survives, drainage has been altered and the site has dried out.

Chewton Bunny	SZ2293	1984		
Holmsley Inclosure	SU2200	1987-1992		
Holmsley Inclosure	SU2200	1992	RPB	
Holmsley Inclosure	SU221003	25-Jul-87	RPB	Wet wooded bank above W side of ride. L. abund.
Warwick Slade	SU2706	1988		
A35 Warwick Slade	SU271065	30-Jul-88	RPB	N verge. VL extensive patch.
Bull Hill	SZ3398	2001		
Jordan's Lane, Bull Hill	SZ337980	19-Jun-01	MWR	Subject to confirmation by C Page.
Crockford Bottom		2006-2008		
Crockford Bridge	SZ349990	May-08	BPS	'From Crockford Bridge walk NW beside the stream for about 200 meters (estimate from memory again); the small colony grows in and on the banks of the stream just about where it emerges from some bushes into more open ground. Again, this seems to be increasing – 2 years ago there were just 3 or 4 stems; this year there were probably more like 20. Both parents occur around the pools in that area, along with the Pilularia which is one of the main attractions.' (RG)
Fletchwood Meadows, Ashurst	SU3411	1986		
Bassett, Southampton	SU4115	1998		
Bassett	SU414152	1998	PS	
Tickleford Gully, Weston	SU4509	1988-1994		
Tickleford Gully, Weston	SU457099	1994	PS	Damp road verge.

Brownwich Farm, Titchfield	SU5103	1988			
Brownwich Fm	SU517034	25-May-88	RPB		Brownwich, Titchfield. Marshy reed bed behind shore.
Gull Coppice, Whiteley	SU5209	1987			
Near Gull Coppice, Whiteley	SU527091	10-Jun-87	RPB		Near Gull Coppice, Wickham. Damp rank grassy glade between woodland. Locally frequent.

N Hants: Infrequent

Native

Locally quite plentiful in the extreme NE, especially beside the Basingstoke Canal in several places from Fleet to the border with Surrey.

***Equisetum x rothmaleri* C.N. Page**

**Hybrid Field x Marsh Horsetail
2010**

National Status: Scarce, Native

S Hants: Rare

Native

Given the wide distribution of the two parents and their not infrequent proximity, likely to occur elsewhere.

Hoad's Hill, Wickham	SU5710	2010			
Hoad's Hill	SU573108	11-Aug-10	MR, EJC & GCo		Dominant – frequent over an area of about 70m x 20m, SU573108, SU574108. Conf. Dr C N Page 13/8/2010. 1 st VC record.
Wickham Parish Meadow	SU574108	11-Aug-10	MR, EJC & GCo		See above.

N Hants: Not Recorded

***Erica ciliaris* L.**

**Dorset Heath
1950s-2009**

National Status: Rare, Native

S Hants: Scarce

Doubtfully Native

The status of this species in South Hampshire is contentious. One population (that at Sluflters Pond) is certainly planted. It seems unlikely that most are **deliberately** introduced, unless by someone with a very subtle intention to mislead; plants are mostly in small numbers in 'good' habitat, and some are in quite out-of-the-way places. If they are not planted, then there is a question whether they are relicts of an ancient native population or relatively recent arrivals. The author favours the latter hypothesis but acknowledges that there is then the problem of how plants have dispersed to their current locations.

Sluflters Pond area	SU2209, SU2210	1950-2009			
Sluflters Pond, New Forest	SU221095	28-Oct-03	BGo & JGo		On SW corner of island.
Sluflters Pond	SU222095	01-Aug-09	SCu		A few plants at the southern end of the island in the pond, SU2222 0956.
Sluflters Pond, Bratley Plain	SU222096	15-Oct-03	MR		On island in Sluflter's Pond. 25 plants.
Ocknell Plain, W of Sluflters Inclosure	SU223103	1950	JEL		SU223103 ? 1950s-60? Ocknell Plain W of Sluflters Inclosure. Hb.JEL RNG ? Planted? [See notes on back of card.]

Scrape Bottom, Holmsley	SU2301	1987-1999		
Scrape Bottom	SU234016	28-Aug-99	VS	
Scrape Bottom, Holmsley	SU235016	13-Sep-87	LW	Scrape Bottom, Wilverley. Wet heath in bottom of shallow valley W of track towards pond. One small plant among other ericaceous species. Hb.RPB.
Scrape Bottom, Holmsley	SU235016	24-Feb-88	RPB	Still intact, situated 40m W from NW-S path along narrow cattle path, on N side, patch measures 74 x 40cms.
Clayhill Bottom, Burley	SU2302	1994-1997		
Clayhill Bottom, Burley	SU232022	20-Aug-95	RPB	Southern patch 47 x 34 x 25 cms high. Northern patch 40 x 22 cms. Extensive notes on card.
Clay Hill Bottom, E. side	SU233023	21-Aug-97	FR	1 clump seen + 3 infls. only.
Matley Wood area	SU3307	1987-1999		
South east of Matley Wood	SU3307	24-Sep-87	RPB, FR	one fine patch on hummock c. 1m.sq.
Matley Wood	SU333075	15-Nov-86	NAS	SU33320752. Matley Wood. Wet heath at base of small valley draining south at S edge of wood. HCC Habitat Assessment Team. Single mature plant. Hb. RPB.
Matley Wood	SU333075	28-May-97	NAS	S of Matley Wood. Appears native in wet heath. This site and the possible origins of this patch are discussed in the 1996 Flora.
Denny Inclosure & Matley	SU336075	25-May-99	MEY	
Fernycrofts area	SU3605	2006		
East of Fernycrofts	SU369057	26-Sep-06	RPR	In wet / humid heath away from paths. 1 plant.

N Hants: Not Recorded

Erica vagans L.

Cornish Heath
c. 1900-2009

National Status: Rare, Native

S Hants: Rare

Neophyte

Recorded several times in the Bournemouth / Christchurch coastal strip in the late 19th and early 20th centuries. There is also an unlocalised record for South Hampshire (possibly Sopley Common) in 1993.

Friars Cliff, Mundeford

SZ1992	1991		
Friars Cliff, Mundeford	SZ194926	1991	PS 1991? Behind beach huts (on cliff?). Single patch.

N Hants: Rare

Neophyte

When the radio research station (known as Cove Radio Station, and consisting of many huge aerials) was moved to a new site on the Eelmoor Marsh SSSI in 1990, the much-disturbed area was 'restored' to heathland using thousands of rooted heather cuttings, supposedly taken from local wild stock. Soon after, ARGM noted several double-flowered forms of *Calluna* and had suspected that some plants had come from nursery stock. This 2009 record rather proves it!

Shapley Heath, Winchfield

SU7554	c.1902		
Eelmoor	SU8353	2009	
Eelmoor, former radio research station	SU838535	14-Sep-09	CRH A large and well-established shrub at SU8387 5359 amongst <i>Calluna</i> on the former radio station site. Presumably introduced in 1990 from a horticultural source when the site was landscaped.

Eriophorum gracile W.D.J. Koch ex Roth**Slender Cottongrass
1882-2009****National Status: Near Threatened, Rare, Native
WCA Schedule 8****S Hants: Rare**

Native

Also recorded at Shappen Bottom (SU2101 or SU2102) in 1885.

Week Common	SZ1399	?1900- ?1956		
Stony Moors area	SZ2199	1969		
Thorney Hill area	SU2100	1967-1969		
Holmsley Bog C Nr Holmsley	SU2201 SU225012	2004 2004	NAS	12 flowering stems recorded between SU22548 01206 and SU22553 01208.
Holmsley Bog E		?1893 – 1968		
Wilverley Bog		1967-1969		
Widden Bottom	SZ2899, SU2999	1987-2009		
Widden Bottom	SZ288992	12-Jun-04	NAS	Population 5: at SZ28858 99272 +- 5m. Just upstream of main marl flush in a runnel in transition from swampy M10 on peat to swampy M24c. Associated species: Menyanthes, Campylium stellatum, Eleocharis multicaulis, E. quinqueflora, Phragmites, Carex paniculata, Potamogeton polygonifolius.
Widden Bottom	SZ288992	24-Jun-09	MR, MBe & GCo	This is close to, but not the same as, NAS's Population 5 from 2004. Location SZ28842 99272 +- 4m, two wizened spikes with all fruits gone, determination rather uncertain as no bristles visible on pedicels.
Widden Bottom	SZ289993	08-Jul-87	RPB	W side of valley bog. 40 Fruiting stems in 6 x 3m extent, situated 25m SW of small Island of Salix cinerea/Frangula alnus growing mainly around bases or on mounds of Molinia/Myrica in area of more or less bare miry mud. Site lies on W side of small low bush of Salix. From revisit in 2004, NAS locates this site at SZ28944 99302.
Widden Bottom	SZ289993	12-Jun-04	NAS	Population 2 at SZ 28993 99354 +- 5m. 38 fruiting heads upstream of Population 1 and downstream of the big Sallow clump, in a complex of species rich Molinia hummocks (M24c) with M29 runnels between. Similar to population 1 but Menyanthes more abundant and Pedicularis palustris present. E. gracile grows in the runnels and on lower edges of tussocks.
Widden Bottom	SZ289993	12-Jun-04	NAS	Population 3: at SZ28951 99300 +- 4m. In open M29 mire upstream of the large Sallow clump. Outlier of population 4. [MR, MBe & GCo could not refind these in 2009. He recorded 2 fruiting spikes.]
Widden Bottom	SZ289993	12-Jun-04	NAS	Population 4: at SZ 28944 99302 +- 4 m (Paul Bowman's original site). In M29 mire at the edge with a Molinia / runnel complex, upstream of the large Sallow clump.
Widden Bottom	SZ289993	24-Jun-09	MR, MBe & GCo	SZ2894 9930. This is NAS's Population 4 from 2004. 18 spikes. Vegetation remains as he described.
Widden Bottom	SZ289993	24-Jun-09	MR, MBe & GCo	SZ2899 9935. This is NAS's Population 2 from 2004. Communities and position of E. gracile within them remain as he described. 54 spikes.

Widden Bottom	SZ290994	12-Jun-04	NAS	Population 1 at SZ29026 99400 +-4m, a fairly short distance upstream of the repaired erosion point and downstream of the big Sallow clump. 26 fruiting heads of <i>E. gracile</i> in a Potamogeton polygonifolius – Hypericum elodes runnel with Eleogiton fluitans, Menyanthes, Anagallis tenella, Cirsium dissectum and Eleocharis multicaulis (M29 transition mire). Site swampy but on firm shallow peat.
Widden Bottom	SZ290993	24-Jun-09	MR, MBe & GCo	SZ2902 9939. This is NAS's Population 1 from 2004 with communities as he described. More or less contiguous patches of 37 and 61 flowering spikes.
Widden Bottom, Sway	SZ292993	02-Aug-91	GHF	
Fort Bog, Matley	SU3308	1882-2004		
Ashurst Area	SU333084	11-Jun-99	MEY	Fort Bog, Matley Fort Bog.
Fort Bog, Matley	SU334082	19-Jun-94	NAS	c. 1000-1500 plants Species Recovery Plan 1994.
Fort Bog, Matley Heath	SU334083	19-Jun-94	HWi, AJPB & NAS	SU334082 – 334083, 1000 –1500 plants. [quantity split arbitrarily] Growing on a sphagnum bog.
Fort Bog, Matley	SU334084	13-Jun-04	NAS	334 flowering or fruiting spikes over an area from (S) SU33403 08254 +-8m to (N) SU33438 08512 +-6m. See report for full details of stands.

N Hants: Extinct

Native

There is an old record for North Warnborough Marsh, c.SU7352, in 1899, and also for "marshes of the [River] Whitewater, Greywell" in 1938. The latter site probably refers to Greywell Moors where it was known for many years until the last record in 1967 by MPY in two spots, SU720511 and SU718508.

***Eriophorum latifolium* Hoppe**

Broad-leaved Cottongrass **1837-2007**

National Status: Not Scarce, Native

S Hants: Scarce

Native

There are records for Ridley Bottom (SU10 / SU20) in 1885, and from between Otterbourne and Bishopstoke (probably SU4621) in 1874, where suitable habitat remains. A Hampshire Flora Group survey party in 2005 was unable to relocate the 1997 record at Linford (SU1907). There is an unlocalised 1999 record from the Canterton area (SU21R). There are also unconfirmed records from Bishops Waltham Moors (SU5616) in 2000, and a record transcribed from a communication to Francis Rose, at Westfield, Hayling (SZ7198) in 1996 which must surely be an error, as there is no suitable habitat for any *Eriophorum* species at the site given.

Akercombe Bottom	SU1907	1997		
Akercombe Bottom, Handy Cross Plain	SU198074	Jun-1997	GDF	Basic flush in branch valley below hillside. Rare, 1 plant c. SU198074.
Stony Moors, Holmsley	SZ2199	1954-2007		
Stony Moors, Holmsley	SZ2199	25-Jul-83	FR	Locally abundant.
Stony Moors, S Holmsley	SZ213995	20-Jul-63	AWW	Fen peat on calcareous clay along stream. Locally plentiful. Hb AWW. SU213995 etc.
Stony Moors, Holmsley	SZ213996	15-Jul-07	NAS & HFG	1 plant in fruit SZ 21326 99649.
Stony Moors, Holmsley	SZ213998	21-Jun-98	VS	
Stony Moors	SZ215996	1954	FR	
Stony Moors, S Holmsley	SZ216996	06-Aug-56	RPB	
Maggie Green, Holmsley	SU2100	1992		
Thorney Hill	SU210008	28-Jun-92	ARGM	

S of Holmsley Ridge	SU2100	1956-2004		
Below Holmsley Ridge	SU2100	08-Jul-99	MEY	
Little Holmsley	SU211007	29-Jul-87	RPB	Central zone of flushed valley bog. Very plentiful over c. 300m. (SU211007 – SU213006). See above.
Little Holmsley	SU213006	29-Jul-87	RPB	
Holmsley	SU213007	02-Jun-04	MR & BSBI	Scattered through N side of main valley bog at SU21320073. About 10 plants.
Little Holmsley	SU214006	04-Aug-56	RPB	Fen peat on calcareous clay. Locally plentiful.
Lucas Castle	SU2410	1955-1998		
Between Fritham Cross and Highland Water	SU243105	18-Jun-1984	RPB	Basic flush in spur bog W of stream. Very local, c. 13 plants.
Bog W of Highland Water	SU244105	1971	FR	
Lucas Castle	SU243106	27-May-98	GDF & MEY	
Boundway Hill	SZ2698	1971-2000		
Boundway Hill – Elkhams Grave	SZ2698	02-Jul-00	ERos & FR	Locally frequent.
S of Avon Water	SZ261987	1971	RPB	
N of Boundway Hill	SZ262987	25-Jun-97	RPB	Fen at spring on heath. 1 fruiting plant (c. 20 in 1971.)
Widden Bottom	SZ2899	1972-1988		
Widden Bottom, Sway	SZ287991	15-Jun-1988	RPB	Basic flush. Very local, c. 12 plants.
Widden Bottom, Sway	SZ288993	c. 1980	AEB	[n.d., but pre 1986]. Comment: 'with <i>Platanthera bifolia</i> & <i>Eriophorum latifolium</i> ', letter re. <i>Gymnadenia borealis</i> , 28-Jan-1986 from AEB to FR.
Upper Pennington Common	SZ2995	1976-1992		
Upper Pennington Common	SZ298954	17-Jun-86	HCC	
Upper Pennington Common	SZ299953	04-Jul-92	RPB	Wet clay flush on heath W of road. 1 fruiting plant.
East Beaulieu Heath	SU4102, SU4202	1962-1998		
East Beaulieu Heath	SU419025	08-Jul-62	RPB	Swamp along stream on Headon Beds. Locally fairly plentiful, c. 30 plants.
East Beaulieu Heath	SU420025	01-Jun-90	RPB	Bare clay mire, E side of and above stream. Rare, 4 small plants.
Holbury	SU420026	22-May-98	ERB & CR	4 spikes.

N Hants: Rare

Native

Formerly known at several sites but now lost from at least two of them. The fate of the Griggs Green plants was documented by AB who wrote "Once here in a wet hole on the VC12/VC13 border, but somebody dug it all out in order to plant a notice about a bridle path".

Stockbridge, North Fen		1986-2002		
Stockbridge North Fen	SU3535	20-Jun-02	BGo & JGo	One plant found in wet area, examined microscopically (herbarium).
Longparish Meadow	SU4344	1983		
North Warnborough Greens – W part, and Greywell Moors area	SU7150, SU7251	1936-1983		
Conford Moors	SU8133, SU8233	1974-1990		
Conford Moor	SU819332	13-Jul-90	FR	1 inflorescence – by pit.
Conford Moor – East	SU821332	1990	FR	'Was present to c.1990 (rare), but locally common in 1970's'. Communicated to ARGM in a letter from FR dated 16/8/98.
Conford Moor	SU821334	31-Jul-82	FR	HBIC record.
Griggs Green	SU8231, SU8232	1970-1980		

National Status: Not Scarce, Native**S Hants: Rare**

Native

Also known from Hayling (SZ69) in the early 20th century. It was re-found, at Blashford, by GDF and MEY in 1996. Its mode of arrival (or re-appearance?) is unknown, and it deserves to be searched for elsewhere in the Avon valley and nearby coast.

Blashford Lakes		SU1507, SU1508	1996-2009	
Blashford Lakes	SU1507	06-May-07	MR, MEY & GC	Area recorded: short acid turf / lichen heath N of Ivy Lake (including fenced 'dune' area and some damper ground on S margin).
Blashford Lakes NR	SU151080	11-Nov-08	MR & RCR	W of pumping station. Locally frequent.
Blashford Lakes	SU151081	07-Jun-09	HFG	e.g. SU1518 0811, N of Ellingham Drove. No petals on flowers.
Blashford Lakes	SU152081	31-Mar-06	MR	More than 250 rosettes counted going E from sandy mound around water access trap at SU15190812, and on heath alongside gravel track going S at SU15220811.
N of Ellingham Drove, Ellingham	SU153082	07-Jul-04	NAS	
Blashford Lakes	SU154080	06-Aug-01	ILR	Still present in reasonable quantity nearer the waterworks access track.
Blashford Lakes	SU154084	04-Jun-09	BGo & JGo	Plentiful along path, all fruiting.
Nr Ibsley Water	SU154085	26-Aug-09	HFG	
Mockbeggar Silt Pond	SU155087	18-Jul-07	ILR	
Neacroft Meadows, Highcliffe		SZ2093	1998	
Neacroft Meadows	SZ201937	21-Aug-98	VS	2 nd VC Record post 1933.
Burley Street		SU2004	2010	
Green N of Burley Street	SU201044	25-Aug-10	MR & EJC	3 patches at edge of Forest lawn bordering gravel drive to house, SU2018 0445. Perhaps brought in with gravel or on vehicle.

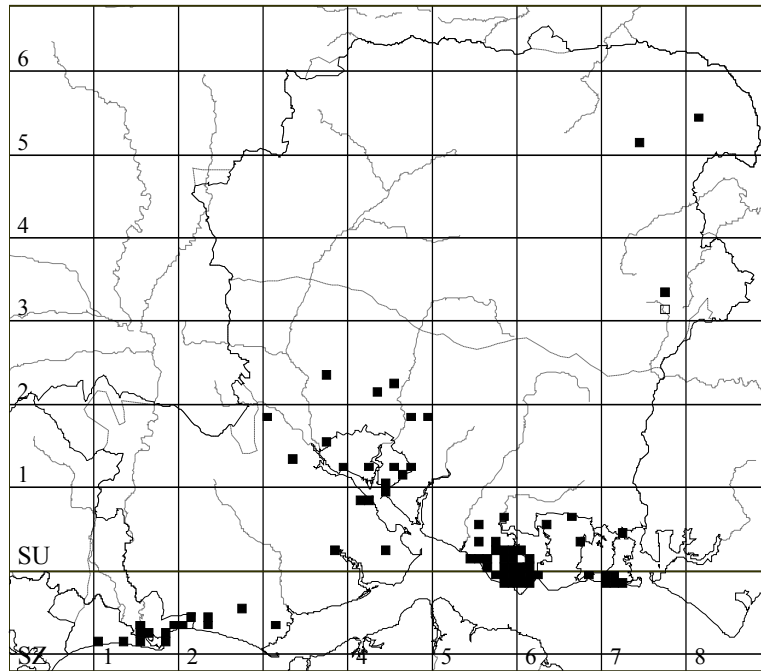
N Hants: Rare

Neophyte

Rayner (1929) gives a record by Miss F Davidson in 1922 at Headley (SU83), but this was omitted from the 1996 *Flora* (possibly an error was suspected as it is unusual to find this so far from the coast). However in April 2010 ACle found a colony in the south part of Bartley Heath. It may possibly have arrived in gravel used in the car-parking area, or on car tyres via the M3, as the site is very close to M3 Junction 5, which has halophytes like *Spergularia marina*, *Puccinellia distans* and *Cochlearia danica*.

Bartley Heath, S part		SU7252	2010	
Bartley Heath, south part	SU729526	20-Apr-10	ARGM	Specimen in Hb.ARGM. Confirmed where ACle found it a few days ago. Hundreds of plants in a patch of very short turf extending 25m x 4m beside the HWT Reserve sign from SU7297 5267 to SU7295 5265. Also a few outlier plants in the car-parking area with 5 at SU7298 5264 near a telegraph pole and another 4 at SU7298 5266.

National Status: Not Scarce, Native



S Hants: Not Ranked

Since the 1996 *Flora*, where a mere 4 records are cited other than as a casual alien, it has been found widely in the warmer, sandier coastal areas and seems also to have undergone a remarkable extension of range. It occurs in a variety of open and disturbed habitats including sandy open coastal grassland, road banks and roadside waste places, and horticultural fields. Exceptionally robust plants from cultivated and waste ground at Ampfield and Eastleigh have the characteristic glands on the apical pits of fruit, but some plants have uncharacteristically dissected leaves, and may perhaps be referable to a distinct taxon.

Native and probable Neophyte

N Hants: Rare

The extension in range in VC11 is also reflected in VC12, but here it is surely not native.

Neophyte

Odiham Odiham	SU7451 SU744512	2008 05-May-08	ARGM & SBat	Hb.ARGM At SU7442 5120, several plants along pavement edge and more in the adjacent grassy strip beside Farnham Road, Odiham.
Blackmoor Benhams Fruit Farm, Blackmoor Blackmoor Fruit Farm, Blackmoor	SU7731, SU7733 SU7731 SU779335	1969-1997 11-Oct-69 1997	BGo & JGo AB	Wool adventive amongst raspberries and young apple trees. Base of heap of foreign peat-mix. Also on derelict land nearby.
Fleet Fleet	SU8154 SU8154	1995 05-Dec-95	CRH	1 large sprawling plant on disturbed ground at Avondale Road entrance to Fleet Pond NR, no doubt a casual of garden origin here. Still in flower, distinctly scented leaves, mericarps with sessile glands confirmed with hand lens.

National Status: Unlisted, Not Scarce, Neophyte or Possible Native**S Hants: Scarce**

Neophyte

Also recorded from Petersfield (SU72) in 1872, From the Ebblake area (SU10D) in 1999, Bleak Hill (SU11F) in 2000, and Botley churchyard (SU51B) in 1871. It appears, at least from modern records, to be no more than an outcast or casual in the area. Some sites with only pre-1987 records are detailed to encourage further search.

Avon Common Avon Common Hurn	SZ1298 SZ128983	1983 19-Jul-83		No recorder noted. Sandy soil under bracken on heath by gate. Very local. Garden escape, c.12 plants.
Avon Common, Hurn	SZ128984	1983	RPB	
Ashley Heath The Belt, Ashley Heath	SU1206 SU128062	2009 05-May-09	GLO	
Iford Swan Meadow	SZ1493 SZ145933	1998 14-May-98	FAW	
Moortown B3347 Moortown Ringwood area	SU1503 SU154033 SU154034	2003-2010 30-Jul-03 13-Apr-10	PAB EAP	By layby on east side of road. c. 100 plants. A little further N than the map ref given previously – but obviously the same site – along field edge 3m E as well as by lay-by.
Mudeford Mudeford Spit	SZ1891 SZ1891	1998 01-Dec-98	RMW	
Athelstan Road, Southampton Athelstan Road Allotments, Southampton	SU4412 SU443127	2003 29-Jun-03	PAB	
Yew Hill, Compton	SU4526	1966		
Paulsgrove Southampton Road, Paulsgrove	SU6305 SU6305	1993 28-Aug-93	RBa	Relic on disused allotments.
West Town, Hayling Island	SZ7199 SZ7199	1999 14-Aug-99	EJC & PJSe	

N Hants: Rare

Neophyte and Possible Native

It might have been native near Hannington, where it was formerly abundant in a clearing in Warren Bottom Copse. In his book's preface Rayner (1929) refers to "...that great colony at Hannington, where for some years past it has appeared in a series of broad patches, stretching for something like a mile and a half towards Ibworth." However, he assessed it as not native and probably the result of importation with larch seedlings. Its main site was ploughed and lost, but it was reported as surviving on the field edge at SU559548 in 1971 and was still there in 1980. The scattered sites at Porton Down may be a relic from the garden of the 'Old Lodge' building that was demolished in 1920, but PJW points out that the sites are several hundred metres from the old garden, and he assesses them as possibly native.

Isle of Wight Hill, Porton Down	SU2437	1966-2008		
Porton Down	SU244371	2007	PJW	Abundant with Galium pumilum and Salvia pratensis. I have always felt these to be more or less native here in a very similar habitat to their Salisbury Plain sites, and several hundred metres from the old garden. G. pumilum is, after all, an undisputed native here.
Isle of Wight Hill, Nether Wallop	SU245366	29-Jun-69	RAT	c.SU245366. Beech plantation/scrub. Very local patch. Introduced.
Porton Down	SU245370	15-Jun-08	ARGM	Locally plentiful at SU2456 3709 etc. (near site of former house).
Porton Down	SU245371	2005	PJW	At SU2457 3710.
Porton Range, Isle of Wight Hill	SU246370	1999	DG	There was a garden in Old Lodge Wood, which may be the source of the plants.
Porton Down	SU246371	15-Jun-08	ARGM	Locally plentiful at SU2462 3713, 2461 3711 etc. (near site of former house).
Porton Down, Isle of Wight Hill	SU246372	1988	GDF	
Isle of Wight Hill	SU249373	30-Jun-69	RB	Hb.RPB Specimen 996, beech plantation.
Avington	SU5329	1956		
Hannington	SU5554	1923-1980		
Alton	SU6940	1955		
Fleet, Miles Hill	SU8352	1986		
Wishanger	SU8338	2003		
Wishanger	SU837387	12-Jul-03	ARGM & PV	Near gate of house – escaping.

***Euphorbia esula* L.**

Leafy Spurge 1927-1990

National Status: Unlisted, Scarce, Neophyte

S Hants: Extinct

There are records for Bournemouth and Christchurch in the 1920s.

Neophyte

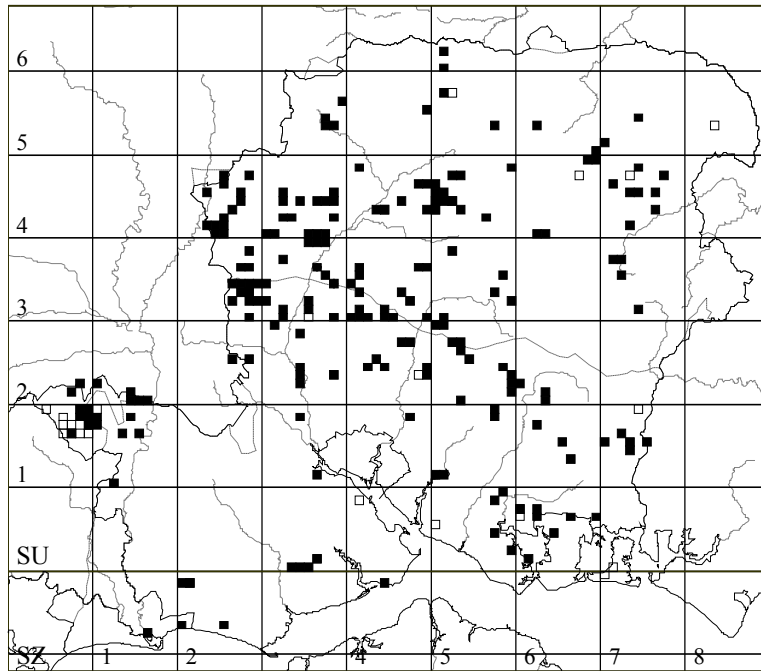
N Hants: Rare

The site at Broxhead Common was destroyed by fire c.1980.

Neophyte

Chilbolton Down	SU4136	1990		
Chilbolton Down	SU414367	04-Aug-90	RMV	Hb.AB Specimen Bi2003.24.959, patch of about 40 stems, east side of track.
Broxhead Common	SU8037	1960-1975		

National Status: Near Threatened, Not Scarce, Archaeophyte or Possible Native



S Hants: Not Ranked

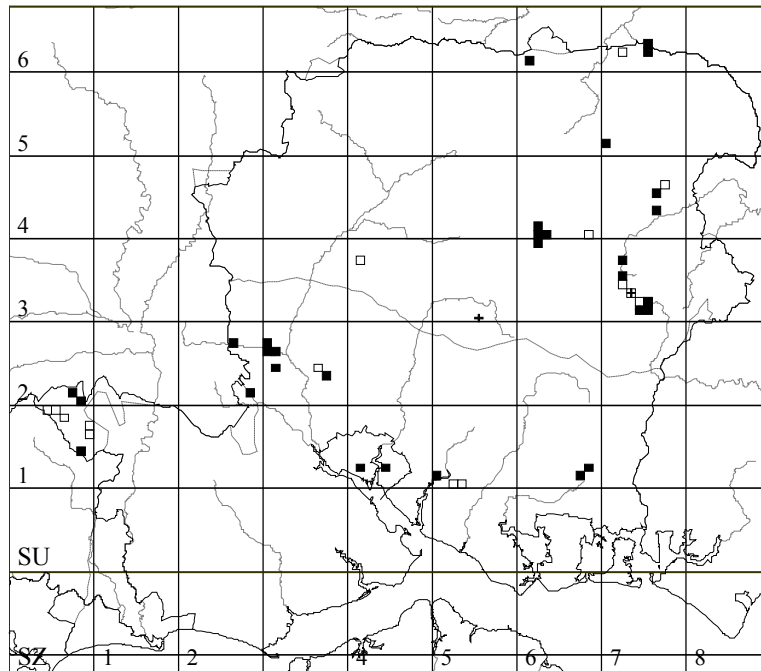
Archaeophyte or Possible Native

It remains widespread in chalk arable, where it is often unpredictable from year to year, and in other disturbed open places on the chalk including downland sheep tracks. Scattered elsewhere.

N Hants: Not Ranked

Archaeophyte

By comparing our map with that in the 1996 *Flora*, it is clear that it has dramatically declined. That reference also suggests that it is often the last arable wildflower species to succumb to herbicide sprays - this highlights the plight of the others! However, it is still widely scattered on chalky arable field edges, sometimes in large numbers.

Euphorbia platyphyllos* L.*Broad-leaved Spurge**
1765-2010**National Status: Not Scarce, Archaeophyte**
EC CITES**S Hants: Infrequent**

Archaeophyte

It remains faithful to a few areas, mostly on marly clay but sometimes on lighter soils, where it can occasionally come up in large numbers when ground is left fallow (as for instance at Mottisfont in 2004). Recorded by John Stuart Mill in a cornfield near Beaulieu in 1832 during his tour through Hampshire and the Isle of Wight.

N Hants: Infrequent

Archaeophyte

This is a typical arable wildflower whose seed evidently can survive buried for many years, but will only germinate when brought to the surface by ploughing. It persists in the seed bank in particular areas and can then sporadically reappear if not destroyed by herbicide. It has a particularly long history in the Selborne/Empshott area, with many records ranging from 1770 to 2007, including recent ones referring to hundreds of plants.

Euphorbia portlandica* L.*Portland Spurge**
1848-2005**National Status: Not Scarce, Native****S Hants: Rare**

Native

The only known persistent site is now at Stanswood Bay, but the record at Hengistbury deserves following up. A record at Fareham (SU5805) was in error for the non-native *E. pinea*.

Hengistbury Head Hengistbury Head	SZ1891 SZ183912	2001 11-Sep-01	RSC	
Stanswood Bay	SZ4799, SU4700	1984-2005		
Cadland Beach	SZ471999	20-Jun-05	MR & BGo	Population details see record for SU471000. SW-most extent at SZ4711 9997.
Cadland Beach Stanswood Bay	SU471000	20-Jun-05	MR & BGo	Back of small steep shingle beach. NE-most extent at SU4714 0001. 85 plants in all (254 recorded in 1990s).
Calshot Spit	SU4802	1871		

Stokes Bay	SZ5898	1848
Hayling Island	SZ79	1920

N Hants: Not Recorded

***Euphorbia stricta* L. Upright Spurge**
1987-2003

National Status: Rare, Native and Neophyte
EC CITES

S Hants: Rare Neophyte
Sometimes cultivated as a garden plant, it has also been seen at the Hillier Arboretum (SU32R).

Leigh Road, Eastleigh	SU4319	2003		
Eastleigh, small field by M27	SU438194	17-Aug-03	PJSe	Several plants, though elusive when specimen collected. Next years plants were found so seed presumably viable.

N Hants: Not Recorded

***Euphrasia arctica* Lange ex Rostrup. subsp. *borealis* (F. Towns.) Yeo**
Northern Eyebright
1872-2009

National Status: Unlisted, Not Scarce, Native

S Hants: Rare Native
Also recorded from Winkton (SZ19S) in 1872, Holmsley (SU20) in 1951 and near Soberton (SU61C) in 1938. It deserves to be searched for again in all three sites listed below. The hybrid with *E. nemorosa* was recorded at Stockbridge.

Damerham	SU1015	1977		
Stockbridge Common Marsh	SU3534	1989	RPB	Det AJS.
Common Marsh, Stockbridge	SU3534	1989	RPB	Det AJS.
Hookheath	SU6408	1985		
Hookheath Farm, Southwick	SU647086	28-Jul-85	RPB	BRC 3-70, photocopy: Rec./Hb. No. 85/209/1. c.SU647086. Fen meadow. Det. AJS 1987.

N Hants: Rare Native
The hybrid with *E. nemorosa* was also recorded at Bransbury Common, with a specimen confirmed by AJS.

Bransbury Common	SU4141	1988		
Bransbury Common	SU413414	19-Jul-88	RPB	Hb.RPB Specimen 2229, damp alluvial grassland, conf. AJS 1989.
Bransbury Common	SU414415	19-Jul-88	RPB, FR & EAP	Hb.RPB Specimen 2228, fen meadows, conf. AJS 1989.
Bransbury Common	SU4242	19-Jul-88	EAP, PB & FR	
Winnall Moors	SU4830, SU4931	1984-2009		
Winnall Moors	SU488310	17-Jun-2009	ARGM	Locally plentiful throughout this excellent meadow, e.g. at SU4887 3103.
Winnall Moors	SU489307	17-Jun-2009	MR & ARGM	One single plant at SU4893 3079.

Winnall Moors	SU489308	17-Jun-2009	ARGM	Locally plentiful throughout this excellent meadow, e.g. at SU4890 3086.
Winnall Moors	SU489309	17-Jun-2009	ARGM	Locally plentiful throughout this excellent meadow.
Winnall Moors	SU489310	17-Jun-2009	ARGM	Locally plentiful throughout this excellent meadow, e.g. at SU4890 3100 and SU4897 3105.
Winnall Moors	SU490306	17-Jun-2009	MR & ARGM	A few at SU4909 3069.
Winnall Moors	SU490309	17-Jun-2009	MR & ARGM	Abundant with thousands in a botanically rich meadow centered on SU4905 3094. A few of them probably hybrids with <i>E. nemorosa</i> at SU4905 3094.
Winnall Moors	SU491308	17-Jun-2009	MR & ARGM	Scattered over an 18m patch from SU4911 3086 to SU4909 3086, also at SU4917 3083 and SU4911 3089.
Winnall Moors	SU491309	17-Jun-2009	MR & ARGM	Possibly hybridised with <i>E. nemorosa</i> at SU4915 3096 and SU4916 3097.
Winnall Moors Nature Reserve	SU492313	02-Jul-08	MR & ARGM	Voucher specimen in Hb.ARGM. Thousands of plants dotted across most of this small meadow at SU4924 3140, SU4921 3137, SU4919 3131 etc.

***Euphrasia confusa* Pugsley**

Confused Eyebright 1920s-2009

National Status: Unlisted, Not Scarce, Native

S Hants: Scarce

Native

Although diligent searching could no doubt turn up more sites, this species is not easy to find in an apparently unhybridised state in the area; there are records of hybrids with *E. micrantha* from the New Forest, and with *E. nemorosa* from various sites in the New Forest and from Dean Hill (SU2626).

Avon Heath, St Leonards	SU1201	2009		
Avon Heath Country Park, St Leonards	SU125019	16-Aug-09	MR, BGo & GCo	Few plants very characteristic, most appearing to be <i>E. nemorosa</i> x <i>confusa</i> .
Marlborough Deep	SZ2298	1970		
Holmsley Station	SU2300	1966-1971		
Stoney Cross W	SU2312	1991		
Ocknell Plain	SU237122	1991 1993	RPB	'Stoney Cross old airfield 237122'.
Stoney Cross E	SU2412			
Stoney Cross	SU245125	25-Jul-93	RPB	c.SU245125. Short turf on old airfield. VL small colonies.
Yewtree Bottom	SU2500	1990		
Yewtree Bottom	SU2500	1990	RPB	
Long Slade Bottom	SU2701	1991		
Long Slade Bottom	SU273012	1991	RPB	c.SU273012.
Pennington Common	SZ3095	1990		
Pennington Common	SZ3095	1990	RPB	
Furzy Brow, Pig Bush	SU3504	1987		
Furzy Brow nr. Pig Bush	SU358049	29-Aug-87	RPB	BRC 3-70 photocopy: Rec. No.87/241/2. 29/7/1987. Grass heath. Det, AJS 1989.
Beaulieu Areodrome	SU3500	1990		
Beaulieu Airfield Tetrad	SU359007	23-Jun-90	RPB, GHF et al.	
Hatchet Pond	SU3601	1964		

Portsmouth Technology Park	SU6306	2006		
Portsmouth Technology Park	SU639068	14-Jun-06	MR & BSBI	20 rather depauperate plants but stems flexuous, slender, branching from near base, capsule as long as teeth, lower bracts rather narrow, with basal teeth forwardly directed.

N Hants : Rare

Native

It is probably under-recorded. There is a record for the hybrid with *E. nemorosa* at Noar Hill in 2006; specimen determined by AJS, and MR noted this hybrid there on 5 Sep 2010.

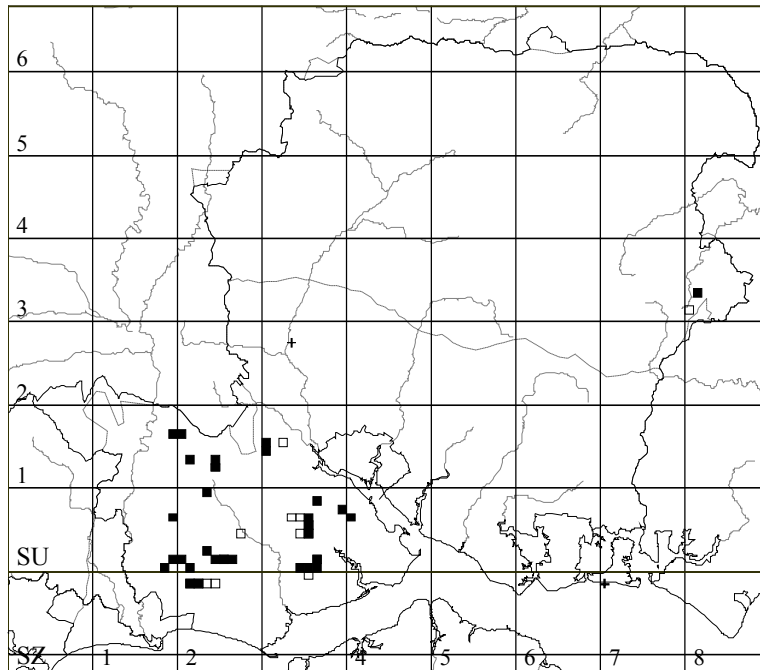
Isle of Wight Hill	SU2437	2005		
Isle of Wight Hill	SU245371	11-Sep-05	MR	Local in short turf in chalk grassland. Specimen det. AJS.

Mapledurwell Fen	SU6752	1971		
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***Euphrasia micrantha* Rchb.**

Slender Eyebright
1875-2010

National Status: Unlisted, Not Scarce, Native



S Hants: Infrequent

Native

Somewhat easier to find in an apparently unhybridised state on the New Forest than *E. confusa*, where it tends to occur in mosaics of ericaceous and grass heaths. Hybrids with *E. nemorosa* seem to occur particularly on roadsides and formerly disturbed sites, and also form a huge population on imported gravel and made ground extending from Ashlett Creek (SU4603) to east of Fawley Power Station (SU4702), where no convincing pure *E. micrantha* has as yet been found.

N Hants: Rare

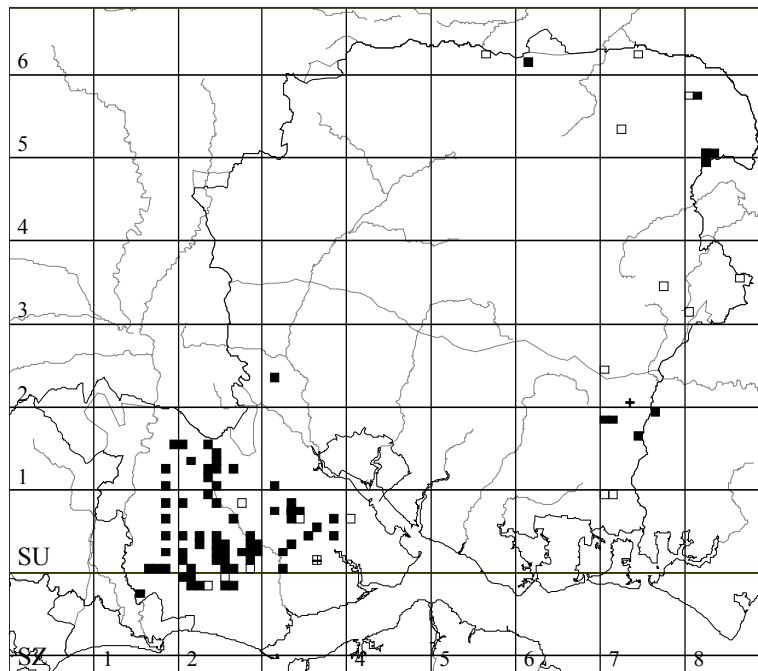
Native

There is also an old 1875 unlocalised record for "near Fleet Pond". Specimens from Eelmoor Marsh in 2005, and from Blackbushe in 1988, were determined by AJS as the hybrid with *E. nemorosa*. The latter was given as "very close to *E. micrantha*". Because so few people in VC12 tackle the separation of *Euphrasia* species it seems likely that this species is elsewhere on the NE heathlands, but overlooked.

Longmoor, old airstrip	SU8031	1979		
Woolmer, Linchborough		2010		
Woolmer, Linchborough	SU813334	02-Sep-10	ARGM	A colony at SU8139 3343 on the SW side of the open grassy site for <i>Arabis glabra</i> .

***Euphrasia officinalis* L. subsp. *anglica* (Pugsley) Silverside** **English Eyebright**
1883-2010

National Status: Endangered, Not Scarce, Endemic
NERC S41
UK BAP Priority Species



S Hants: Not Ranked

Native

Widespread in grasslands on the New Forest and scarce on the chalklands; its local status fortunately goes counter to the national trend. Being one of the more easily recognised *Euphrasia* species in the area, it is more frequently recorded than most. There are a few expertly determined records for its hybrids with *E. confusa*, *E. micrantha* and *E. nemorosa*, all from the Forest.

N Hants: Scarce

Native

The paucity of post-1987 records is almost certainly due to the reluctance of many people to try to identify Eyebrights, though this one is distinctive enough with its glandular hairs. It probably still persists at several of the listed sites with no recent records, and may well be overlooked on heathland elsewhere.

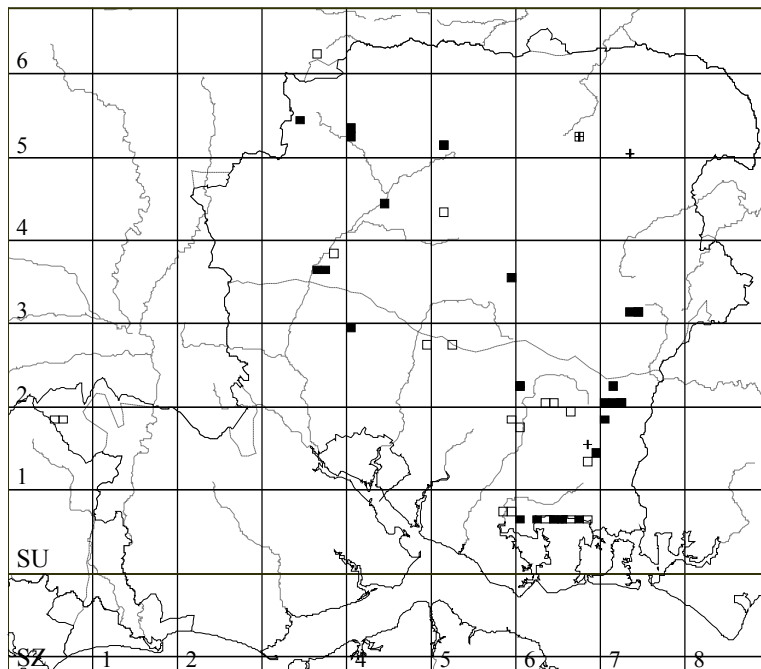
Ashford Hill Meadows	SU5662	1983-1985		
Pamber Pasture	SU6161	1994-2009		
Pamber Pasture	SU615619	c.1994	WGH	On 14 Jun 2009 WGH showed this to ARGM at SU6163 6196, but WGH said that in c.1994 he also saw it nearby at c.SU6159 6193.
Pamber Pasture	SU616619	14-Jun-09	ARGM &WGH	50 small plants counted in short grass at SU6163 6196, where shown to ARGM by WGH. Bill also knew it nearby at c.SU6159 6193 in c.1994 but we could not re-find it there.
Bartley Heath, Hook	SU7253	1967		

Halls Farm, Bramshill	SU7462	1983		
Blackmoor golf links	SU7734	1974		
Longmoor, old airstrip	SU8031	1979		
Yateley Heath Wood	SU8057, SU8157	1980-1995		
Yateley Heath Wood	SU8057	1980	AB	Abundant in a ride of Yateley Heath Wood.
Yateley Heath Wood	SU810577	18-Sep-95	CRH	Seven plants at SU8108 5772 on grassy ride near Penny Hill.
Bourley	SU8249, SU8250	1976-1991		
nr Bourley Reservoir, Ewshot	SU824497	1991	GHF	
Bourley	SU828499	27-Jul-92	CRH	46 plants counted in short turf beside drainage channel near the top reservoir.
Bourley Reservoirs	SU828500	1990	ARGM	
Aldershot, Caesar's Camp	SU8350	1996		
Aldershot, Caesar's Camp	SU836503	10-Aug-96	CRH	82 plants by water channel on north side of Caesar's Camp.
Ludshott Common	SU8635	1970		

Euphrasia pseudokernerii Pugsley

Chalk Eyebright
1842-2010

National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species



S Hants: Infrequent

Native

A component of much of the best-maintained chalk grassland, and deserves to be searched for in such sites where it has not been recorded for a while. Portsdown remains a significant stronghold. Hybrids with *E. nemorosa* have been recorded in the past from Martin Down, Fawley Down near Winchester, and with imported chalk at Stoke Common, North Hayling.

N Hants : Scarce

Native

This species is usually confined to short turf on chalk downland. Plants from Mapledurwell Fen, collected by FR in 1976, were determined by PFY as *E. pseudokernerii* Pugsley forma *elongata* Pugsley.

Rushmore Down Rushmore Down	SU3454 SU348544	2010 12-Sep-10	ARGM	Specimen collected from very large flowered plants at SU3481 5446 keys to this.
Leckford Leckford, Juniper Bank	SU3636, SU3736 SU3636	1997-2010 11-Sep-97	BGo & JGo	Frequent, and in excellent flower.
Leckford Estate	SU3736	1998	BGo & JGo	Frequent on Juniper Bank.
Atners Hill, Leckford	SU365367	26-Sep-10	ARGM	In herb-rich grassland at SU3657 3671. Scanned specimens confirmed by MR.
Inkpen Hill, Combe	SU3662	1974		
Chilbolton, West Down	SU3838	1972		
Hurstbourne Tarrant	SU4052, SU4053	2010		
Hurstbourne Tarrant	SU400528	12-Sep-10	ARGM	At SU4002 5280 with <i>E. nemorosa</i> nearby for comparison.
Hurstbourne Tarrant	SU400530	12-Sep-10	ARGM	At SU4002 5305 and SU4005 5309 growing near <i>E. nemorosa</i> for comparison.
Longparish, E of Longparish, E of	SU4444 SU448448	2005 08-Jul-05	ARGM et al.	Two plants at SU4484 4480.
Overton, N of Overton, N of	SU5151 SU512517	1975-1990 1990	FR	N of Overton.
Micheldever	SU5143	1978		
Old Alresford, N of Old Alresford, N of	SU5935 SU591357	1997 01-Jul-97	ARGM & DBr	Patch of chalk grassland on roadside. Very large 8mm corollas, bract teeth aristate.
Mapledurwell Fen, Hatch	SU6752	1951-1976		
Odiham, above chalk pit	SU7350	1929		
Noar Hill Noar Hill	SU7331, SU7431 SU739319	1978-2010 05-Sep-10	MR & HFG	Pointed out by MR at SU73941 31943 and SU73970 31948.
Noar Hill	SU740319	05-Sep-10	MR & HFG	Pointed out by MR at SU74009 31933. It is probably in many other places at Noar Hill.

Euphrasia tetraquetra* (Bréb.) Arrond.*Western Eyebright
1896-2005****National Status: Unlisted, Not Scarce, Native****S Hants: Scarce**

Native

Recorded in the Hengistbury Head area (SZ19) in 1896, the vicinity of Marlborough Deep (SZ29J) in 1940, at Barton-on-Sea in 1951 and at Hayling (SZ69). Also reported but apparently unconfirmed at Martin Down / Tidpit Common Down (SU01P) in 1965. A record transcribed from Francis Rose's notebooks for

Butser Hill (?SU7120) seems improbable. The hybrid with *E. nemorosa* has been recorded at Hordle Cliff (SZ2692), Stansore Point (SZ4698), Cadland (SZ4699) and at Sinah Common, Hayling (SZ6999). Other putative hybrids have been observed in the SW of the county. All the following records have had expert confirmation except for those at Cadland, which appear to form one end of a spectrum from 'typical' *E. nemorosa* to 'typical' *E. tetraquetra* mixed over a stretch of more than 1km behind the beach (and taking in the site of the confirmed hybrid). Segregation of these two species in our area is difficult; plants of *E. nemorosa* in grazed or exposed positions can assume the habit of *E. tetraquetra*.

Stoney Cross Ocknell Plain	SU2312 SU237121	1991 1991	RPB	'near Ocknell Pond, Stoney Cross old airfield c.SU237121'.
Hordle Cliff Hordle Cliff	SZ2692 SZ2692	1990 1990	RPB	Hb RPB Det AJS.
Studland Common, Milford Studland Common	SZ2792 SZ277922	1989 04-Jul-89	NAS	
Cadland Cadland shore	SZ4699 SZ466991	2005 20-Jun-05	MR & BGo	At SZ4663 9916.
Cadland shore	SZ467992	20-Jun-05	MR & BGo	With <i>E. nemorosa</i> and putative hybrids, at SZ4670 9929.
Below Cadland House	SZ468996	20-Jun-05	MR & BGo	Turf behind shingle beach with <i>E. nemorosa</i> and probable hybrids, SZ4682 9960.

N Hants: Not Recorded

Fallopia dumetorum (L.) Holub

Copse Bindweed **1849-2010**

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Scarce

Native

Mostly confined to the Avon Valley and western fringes of the New Forest, where it occurs irregularly and in varying quantity from year to year. There are old records from Christchurch (SZ19), Gorley (SU11Q), and East Wellow (SU32A). There is also a record from the beach at Cadland (SZ49) that must be regarded as dubious.

Whitsbury area	SU1318	1956-1978		
Fryern Court, Fordingbridge N of Fryern Court, Fordingbridge	SU1416 SU143166	2001-2009 2003	GDF	E side of lane directly under power cables. Also seen in 2002 (E side of lane), 2001 (W side of lane).
N of Fryern Court, Fordingbridge	SU143167	20-Sep-09	MR & EJC	3 plants, E side of lane under electricity transmission line.
Ripley Ripley	SZ1598 SZ159985	2003 16-Aug-03	BGo & JGo	Growing on newly made earth bank, scrambling amongst other vegetation, SZ15909858.
Blashford Blashford Lakes	SU1507 SU1507	1960-2001 1976	ESH	[Grid ref. inferred] As. <i>Polygonum dumetorum</i> . 'by Boating Lake in Ivy Lane between Blashford and Rockford. 14.06 [tetrad]'.
Blashford, Sailing Club	SU154074	28-Sep-01	BGo & JGo	One large plant climbing amongst <i>Prunus spinosa</i> in hedge directly opposite entrance to Sailing Club.
Blashford, N of Ringwood	SU154075	1971	ESH	[SU]157076 & 154075. N. of Ringwood. On hedge in a small lane, & along the hedge of a garden. This plant was present in great quantity, but is now much reduced. Reported there for a long time.

Ivy Lane, Blashford	SU155075	1986	JO	Ivy Lane, Blashford. Hedge by path outside yachting lake. Very locally frequent..
Road verge 5, U120 Rockford Blashford	SU156076 SU157076	11-Sep-96 1960	KL AWW	
Stuckton	SU1613	1960-1970		
Godshill	SU1614, SU1714	1960-2010		
Sandy Balls, Godshill	SU166143	21-Aug-10	EAP & DL	SU1660 1432 to SU1661 1432 – a few low plants in the Bracken.
Nr Godshill, Fordingbridge Godshill	SU169141 SU1714	1970 1976	MPY & ESH ESH	[c.1970] North bank of lane. Now crowded out with brambles (1976). [Date from 1996 Flora] As. <i>Polygonum dumetorum</i> . [Grid ref. inferred] '2 spots in squares just south of Godshill'.
Woodgreen	SU1717	2002		
Appletree Cottage, Woodgreen	SU176175	12-Sep-02	JO	"Another good season in John's Garden." John Ounsted, 2002, Letter to PJS in 2002 File.
Plaitford	SU2720	1984		
Walton Heath	SU6110	1986		

N Hants : Rare

Native

There is an old 1864 unlocalised record for Aldershot, but otherwise it is only known at one site, where it is now close to extinction. There are large numbers of *Fallopia convolvulus* var. *subalatum* (Lej. & Cuourtois) D. H. Kent nearby on an adjacent field edge, a few of which have spread to the *F. dumetorum* site. This is unfortunate as it is a much more robust plant than the type and can have fruits nearly as winged as *F. dumetorum*, possibly leading to confusion. See the Plant Crib, Rich & Jermy (1998), for distinguishing characters.

Heckfield	SU7360	1957-2007		
Laundry Lane, Heckfield School Fm Heckfield	SU730603 SU730606	28-Jul-07 10-Sep-00	FJR ARGM	One plant at SU7304 6030 on west side of lane amongst bracken. At SU7302 6067. Roadside hedgerow with soil of almost pure sand, much disturbed by rabbits... Now declined to a single small plant (area of 0.2 x 0.2m)... on the E side of the road... large numbers of <i>F. convolvulus</i> var <i>subalatum</i> nearby...
Laundry Lane, Heckfield	SU730607	1992	PB & WGH	Heckfield. West side of lane, on sandy bank where disturbed by rabbits. 20+ plants.

***Festuca arenaria* Osbeck**

Rush-leaved Fescue 1890-2009

National Status: Scarce, Native

S Hants: Scarce

Native

Largely confined to sandy coast in the SW. The Hayling record (by FR) is of interest, as it was unremarked in the 1996 *Flora*. It should be searched for there.

Alum Chine area	SZ0790	1900-2007		
Alum Chine etc	SZ0790	02-May-07	RMW	
Boscombe	SZ1291	1992-2004		
Boscombe	SZ125913	27-Jun-92	RPB	Cliff top sand dune in <i>Ammophila</i> . Hb RPB Det CAS.
Boscombe overcliff etc	SZ1291	Jun-04	RMW	
Hengistbury Head	SZ1790, SZ1890, SZ1891	1990-2007		
Hengistbury Head	SZ177906	20-Jun-00	RMW	Hb PJSe.
Hengistbury Head E	SZ179905	16-Jul-02	BGo & JGo	Amongst sand dunes near eastern end, occasional, SZ1797 9050.
Hengistbury Head	SZ180915	24-Jul-92	RPB	Sand/shingle dunes with <i>Ammophila</i> . Hb RPB Det CAS 2/2/93.

Hengistbury Head	SZ1890	30-Jun-07	DWo & MWO	
Hengistbury Head	SZ1891	1992	RPB	conf. CAS. In Marram dunes, Hengistbury.
Mudford Spit	SZ1891, SZ1892	?1912- 2009		
Mudford Spit	SZ1891	27-Feb-07	RMW	
Mudford, Gundimore Beach	SZ187920	15-Apr-09	RMW	SZ1872 9202.
Barton-on-Sea	SZ2392	1957		
Hayling Island	SZ7098	1979		

N Hants: Not Recorded

***Festuca rubra* L. subsp. *litoralis* (G. Mey.) Auquier** **Saltmarsh Red Fescue** 1995-2010

National Status: Scarce, Native

S Hants: Scarce

Native

Back of saltmarshes and transitional zones of saltmarsh to shingle or sand. The current paucity of records almost certainly indicates under-recording; it was not given in the 1996 *Flora*, and will likely prove to be no scarcer than Infrequent.

Stanpit Marsh	SZ1692	1995		
Stanpit Marsh	SZ167922	09-Jul-95	HJMB & FAW	Nr N Scrubs.
Hengistbury Head area	SZ1891	2002-2007		
North of Little Haven	SZ183918	05-Jun-02	PAB	
Hengistbury Head	SZ1891	30-Jun-07	DWo & MWO	
Sowley	SZ3799	2008		
Sowley	SZ379961	01-Jun-08	MR & HFG	
Exbury	SZ4199	2009		
Exbury Gardens: Daffodil Meadow to shore	SZ417999	04-Jul-09	HFG	Locally frequent at back of saltmarsh.
Hook with Warsash	SU4804	2007		
Hook, Warsash	SU489048	27-Jun-07	MR & HFG	SU4890 0485, shingle shore. Dense tufted plant, glaucous, spikelets 9-11mm.
Sarisbury	SU4807	2006		
N of Bunny Meadows, Sarisbury	SU489075	18-Jun-06	MR & JAN	Back of saltmarsh.
Lower Swanwick	SU4908	2006-2010		
Lower Swanwick	SU4908	08-Jun-10	MR	
Nr Brooklands Farm, Lower Swanwick	SU493087	07-Jun-06	MR	Occasional, upper part of saltmarsh.
Gosport Park	SZ6199	2002		
Gosport Park E / Stoke Lake E	SZ612990	26-Sep-02	EJC & DRA	Higher ground along the back of the shore, locally abundant ? (could be more than noted, time ran out).
Northney, Hayling	SU7203	1988		
Northney Upper Saltmarsh	SU728039	17-May-88	HCC	

N Hants: Not Recorded

x *Festulpia hubbardii* Stace & R. Cotton**Hybrid Red x Dune Fescue
1986-1998****National Status: Unlisted, Scarce, Native****S Hants: Rare**

Native

At a single coastal site.

**Gunner Point,
Hayling SZ6999 1986-1998**

Gunner Point, Hayling Island SZ690991 01-Jul-98 EAP Hayling Island, Gunner Point Det EJC.

Gunner Point, Hayling Island SZ690992 Jul-86 WFS c.SZ690992. Sand dune near golf course fence, near Sedum acre. (Note on back of card : 'Also occurs at 690991 – 691990, always occurs where vegetation meets open shingle found by EJC, date ?')

N Hants: Not Recorded***Filago arvensis* L.****Field Cudweed
1986****National Status: Unlisted, Rare, Neophyte****S Hants: Rare**

Neophyte

Of casual occurrence only. Full site details are given to encourage further search.

**Kingston North
Common SU1403 1986**

Kingston N Common, Ringwood SU145031 1986 JO 2 cards (slight discrepancies). Neglected weedy arable field, NE edge. Expert : F. Rose – (also F. Rose, J.R. Press). 'Note: Lateral branches are long and arching. c.5 plants only.' Hb RPB.

N Hants: Not Recorded***Filago lutescens* Jord.****Red-tipped Cudweed
1844-2010****National Status: Endangered, Scarce, Native****NERC S41****UK BAP Priority Species****WCA Schedule 8****S Hants: Extinct**

Native

Formerly recorded in the Bournemouth and Christchurch areas (SZ19), Ringwood area (SU10), and between Bishops Waltham and Shedfield (SU51). The last records were from Hengistbury Head, Hurn and Pokesdown in 1922-27.

N Hants: Rare

Native

There are several other old records in the Farnborough, Aldershot and Winchfield areas dating from 1849 to 1965 that cannot be localised to 1km squares. The roadside site at Broomhurst Farm is only kept going somewhat artificially by conservation volunteers who disturb the soil in winter. Detailed counts at this site undertaken by CRH since 1988 fluctuate, but typically show a few hundred plants, peaking at an estimated 2,250 in 2004.

**Potbridge nr.
Winchfield SU7453 1885**

Broomhurst Farm, roadside	SU8156	1980-2010			
Fleet	SU812563	25-Jul-10	GKn	40 estimated, possibly a few more. Along c.30m x 5m of road verge at junction between B3013 and entrance to Broomhurst Farm Cattery.	
Fleet, N of	SU815560	05-Oct-87	PS	(Approx grid ref.) 8 plants on road verge near Fleet Mill, where soil disturbed for new lamp standard. Seeds collected for sowing at Broomhurst (the main site).	
Broomhurst Farm itself	SU8156	2007			
Broomhurst Farm, Fleet	SU810563	07-Aug-07	ARGM	110 plants at SU8107 5633 on west-facing steep sandy bank beneath oaks at field edge and 28 at SU81062 56307 on steep north-facing grassy embankment beneath a small birch.	
Broomhurst Farm, Fleet	SU811563	07-Aug-07	ARGM	250 from SU81095 56308 to SU81122 56315 on steep excavated gravel bank and at maize crop edge on south side of concrete farm road, opposite a layby.	
Wishanger	SU83J	2003-2007			
Wishanger	SU83J	2007	PJW	Precise location withheld at request of land owner.	

***Filago pyramidata* L.**

Broad-leaved Cudweed 1850-1997

National Status: Endangered, Scarce, Native or Archaeophyte
NERC S41
UK BAP Priority Species
WCA Schedule 8

S Hants: Rare

Native or Archaeophyte

Given that this is most typically a plant of calcareous and very light sandy soils, some of the past records here seem surprising.

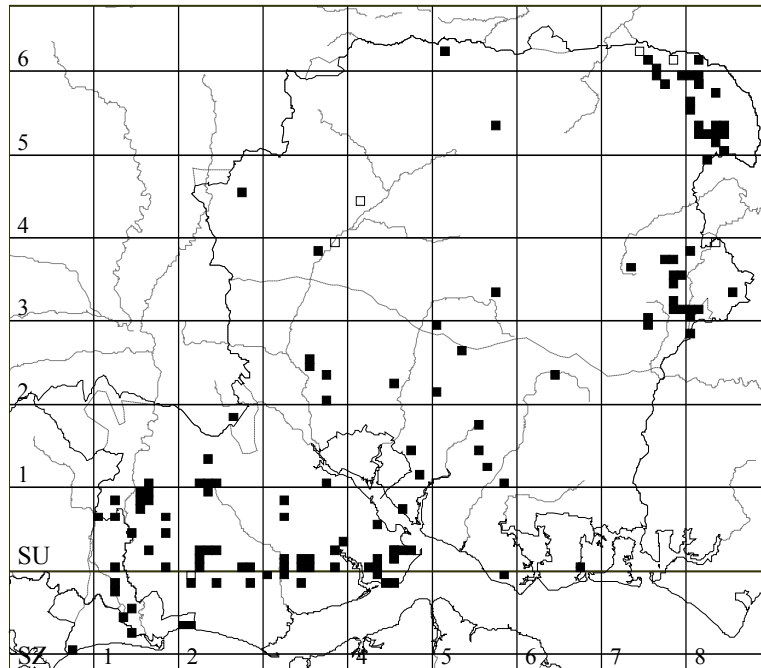
Ashley Heath	SU1204	1965			
Sherfield English	SU2822	1929			
Beaulieu Heath	SZ3599	1960			
Sowley Pond area	SZ3796	1876			
Fawley	SU4503	1877			
Sandy Acres, Shedfield	SU5514	1996-1997			
Sandy Acres, Shedfield	SU553144	08-Aug-97	JRow	plants (c.100) in an area c.5m diameter with Sheeps Sorrel, Early Hair Grass... veg'n cover c.50%. 10m to SW 3 plants grew with some <i>Filago</i> minima...	
Sandy Acres, Shedfield	SU553145	Aug-96	PS & EJC	SU553(1/2)145. Guides camp site. Two-thirds way along a NW facing bank with betw. 200 & 300 mostly small plants over a limited area.	
Bishops Waltham	SU5517	1995			
Bishop's Waltham Palace	SU551173	1995	PS	<i>F. pyramidata</i> ? Limestone chippings in grounds of palace ruins. Comments & compiler : One plant only, site shown to warden with request to leave unweeded, but plant cleared away mechanically. No Specimen seen by RPB.	

N Hants: Extinct

Native or Archaeophyte

There are also old records that cannot be localised to 1km squares at Silchester, Upper Clatford near Andover, and fields north of Itchen Abbas. The site at Chilbolton was on chalk tipped in a disused gravel pit, but it was eventually levelled and became overgrown.

West Down, Chilbolton **SU3839** **1974**

National Status: Near Threatened, Not Scarce, Native**S Hants: Not Ranked**

Native

Disturbed sandy ground, widespread in the New Forest, scattered elsewhere inland and on the coast. Occasionally on arable and bare places on the chalk.

N Hants: Not Ranked

Native

Its preferred habitat is bare places on dry sandy soils. It can be locally plentiful on acid soils, especially beside sandy heathland tracks, but there are also a few records on the central chalk.

Frankenia laevis L.**Sea-heath
1621-2003****National Status: Near Threatened, Scarce, Native****S Hants: Rare**

Native

Recorded from Bursledon (SU40) and Hayling (?SZ69) in 1621 by John Goodyer (the first British records). Also recorded from the Southampton area (SU41) in 1838 and in Portsmouth (SU60) in 1908, where the site was destroyed by reclamation.

Tournerbury, Hayling	SZ7299, SZ7399	1984-1985		
Gutner, Hayling	SU7301	2000-2003		
Gutner Saltmarsh	SU734016	20-May-03	FR	W side of marsh on shingle ridge at top of the shoreline. Not doing very well. SU7342 0168.
Gutner Peninsula	SU734017	20-May-03	ILR	87 paces S from wire fence running down to the creek, to landward of narrow ridge above the shore line. New Hants locality, teste PJSe.
Gutner Peninsula, Hayling Island	SU735015	17-Oct-00	BGo & JGo	
Black Point, Hayling	SZ7498, SZ7598	?1930-2002		
Black Point W	SZ749989	13-Jun-00	EJC & DRA	[Not found] Looked for where previously seen by EJC.
Black Point, Hayling Island	SZ750987	04-Jun-02	JAN, EJC & DRA	On the shore among Atriplex portula, almost covered by it, one small patch c.30x20cm, SZ75048 98752 (GPS).

N Hants: Not Recorded

***Fritillaria meleagris* L.**

**Fritillary
1823-2010**

National Status: Unlisted, Scarce, Native and Neophyte

S Hants: Scarce

Neophyte

Also noted from the Mottisfont area (SU32I) and Bishops Waltham area (SU51T) in the 19th century. In either of these sites, where it is described as occurring in “meadowland” or “a moist meadow”, there is the tantalizing possibility that it was native or long-established.

Damerham Ashridge Copse, Damerham	SU1014 SU102147	2007 24-Apr-07	DHu	50 rather large specimens in an open grassy glade.
Burley Beacon Beacon Cottage Meadow	SU2002 SU202025	1989 24-May-89	NAS	
West Wellow	SU2919	1985		
Chilworth Chilworth	SU4018 SU4018	1988-1995 1995	RPB	‘It is also known to have been introduced in several localities, among them Chilworth churchyard’.
Lakeside, Eastleigh Lakeside Park, Eastleigh – Central	SU4417 SU447177	2007 06-Apr-07	BWe	One plant amongst natural vegetation
Bishopstoke The Mount, Bishopstoke	SU4619 SU465199	2010 05-Apr-10	DHub	3 plants among daffodils
Exton Manor farm, Exton	SU6121 SU615211	2009 19-Apr-09	DHub	20 planted on verge or garden escape
West Meon West Meon	SU6423 SU644239	2005 06-May-05	JMill	10+ plants in a flood meadow along the public footpath just W of the railway embankment and near the stream

N Hants: Scarce

Native and Neophyte

Unlocalised records for Stratfield Saye go back to 1823 and a record in 1850 states “In all the woods around Stratfield Saye, but in more abundance in the Park”. North of the park, and west of Standfordend Bridge, the Fritillaries are really abundant but most are across the border in VC22. Care is required to trace the VC12/22 border here, which is not obvious as the course of the stream has changed since the border was defined.

Chilbolton Common Chilbolton Common	SU3839 SU389399	2009 12-Apr-09	GCE	At least ten flowering plants on southern edge of Chilbolton Common, presumably planted. Six at SU38889 39970 (including a white one), three at SU38909 39974 and one at SU38904 39976.
Ron Ward’s Meadow, Tadley Ron Ward’s Meadow HWT reserve	SU6060 SU601606	2003 17-Apr-03	MCH	A few isolated flowers towards the south-east corner of the field. [Probably planted here originally – ARGM]
Stratfield Saye Nr Stanfordend Bridge, Stratfield Saye	SU7062, SU7063 SU705629	1953-2009 1972	RPB	Stanford End, Strathfieldsaye. Rich alluvial meadow nearest road. Rare. c.20 plants (6 in flower).

Stratfield Saye, near Standfordend Bridge	SU705630	21-Apr-09	ARGM	Only one noted at SU70534 63058 in the field that is wholly in Hampshire (but met MSh a few days later who had found 5 there, though the flower heads had been eaten off making them hard to find). Vast numbers in the adjacent Berkshire fields.
Stanford End, North Hampshire	SU706629	Apr-02	RC & ML	Date approx.: 'this year in mid April we caught them nicely coming out'.
Stanford End, Mill Meadow	SU706630	1987	ENa	HBIC record.
Stanford End, N. of Stratfield Saye	SU707630	08-Apr-97	FR	c.300 in VC12, but 50-100,000 in VC22.
Birch Grove, Hook	SU7254	2003		
Birch Grove, Hook	SU726546	10-Apr-03	ARGM	c.10 flowers clearly planted at SU7262 5463 with literally thousands of planted daffodil cultivars.

***Fumaria capreolata* L. subsp. *babingtonii* (Pugsley) P.D. Sell**

**White Ramping-fumitory
1899-2006**

National Status: Not Scarce, Endemic

S Hants: Rare or Scarce

Native

Most records have been made without reference to the subspecies, so there is an assumption that they refer to this subspecies – perhaps unwarranted, since it appears to be a casual adventive in our area. There is a specimen in **K** from the Ringwood area (SU10) in 1937. Otherwise only the New Milton record is vouched for. One tentative record of subsp. *capreolata* from Millbrook (SU3813) in 1995 was determined by MGD as *F. muralis* subsp. *boraei*, and another from Brockhampton, Havant (SU7005) in 2004 was determined by MR as the same.

Townsend, Holdenhurst	SZ1294	2006		
Townsend etc	SZ1294	16-Jun-06	RMW	
New Milton	SZ2394	1989		
Southern Lane, New Milton	SZ238942	14-May-89	JLeR	Edge of E pavement in road verge, Watsonia 18:420 det MGD 29/11/89 1 st record since 1937 Hb RPB. Flowers very small, probably due to unsuitable situation.
Stokes Bay, Gosport	SZ5998	2000		
Stokes Bay Road (tennis courts)	SZ594986	30-Apr-00	DRA	Cream with red tips, bank at back of the gardens. [Needs confirmation.]
Leesland, Gosport	SU6000	2002		
Leesland Rec N	SU606000	04-May-02	DRA	Rare, Leesland Park N, fence nr Lavinia Rd entrance, N side.

N Hants: Not Recorded

***Fumaria parviflora* Lam.**

**Fine-leaved Fumitory
1842-2010**

National Status: Vulnerable, Scarce, Archaeophyte

S Hants: Scarce

Archaeophyte

The area from the Tytherleys to Broughton (SU23) is the clear stronghold for this species in South Hampshire, and here it tends to appear intermittently in any one site.

West Tytherley	SU2631	2010		
West Tytherley	SU260319	05-Jul-10	ILR	3 plants with abundant <i>Fumaria officinalis</i> in chalky arable margin adjacent to the western edge of Upper Hedgemoor Copse, West Tytherley.

Buckholt W Buckholt	SU2733 SU270330	1987 16-Sep-87	JO & VAW	Stubble field. Very local, >50 plants over 600m.
Buckholt	SU272333	05-Sep-87	RMV	W edge of arable field. Rare, 11 plants
Buckholt C	SU2732, SU2832	1990-2006		
Buckholt Buckholt Farm, Broughton	SU279324 SU280325	1990 25-Jul-06	RMV MR & BGo	c.SU279324, cornfield. In maize and particularly fallow strip at W edge of arable, eg SU2809 3254. Over 100 plants, continuing on N edge of field where not counted.
Buckholt E Buckholt Broughton Down.	SU2832 SU287323 SU287324	1987-2000 04-Jun-00 05-Aug-87	MR RPB	3 plants. SU287324 – 288328. Barley field border W of track. Locally frequent – abundant.
Broughton Down HWT reserve	SU288328	1987	RPB	SU287324 – 288328, edges of barley field, frequent.
Broughton Down	SU289328	02-Jul-87	RPB	Corner of barley field. VL 40+ plants over 10m.
Broughton Down Near Cold Harbour, Buckholt	SU2932 SU294324	1965-2009 23-Jun-09	MR, PBi & GCo	Locally frequent, S edge of arable field, eg SU2945 3249.
Ampfield Ganger Farm PYO, Romsey	SU3723 SU375232	2006 23-Jul-06	BGo & JGo	Locally abundant in crops, especially peas and cauliflowers.
Fair Oak Fair Oak, Blackberry Drive	SU4818 SU487185	2001 17-Oct-01	BGo & JGo	Locally frequent in peripheral areas, conf. PJSe.
Portsdown Portsdown Hill W (Skew)	SU6106 SU618068	1999 22-Jun-99	JAN, DRA & EJC	Field E of Skew Rd.

N Hants : Scarce

Archaeophyte

On a few arable field edges, sparsely scattered mainly across the central chalk belt.

Thruxton Field Nr Thruxton Fm, Thruxton Cholderton Estate, field north of Cholderton Hill	SU2443 SU245432 SU245434	1999 30-Jun-99 30-Jun-99	JRM JRM	
Quarley Field at west end of Cholderton Lane, Quarley Field off Cholderton Road, Quarley Quarley Hill, W of	SU2542 SU250423 SU252424 SU254424	1996-2006 30-Jul-01 30-Jul-01 28-Jul-04	JRM JRM JRM	In fallow strip at NE end of field. Field entrance area. 4 plants on NW edge of arable field, SU252423 to SU254424. Previously found in next field.
Field west of Quarley Hill	SU252423	25-Jul-06	JRM	4 plants along NW margin of field, where previously recorded.
Little Park, Abbots Ann Little Park, Abbots Ann	SU3244 SU323449	1996 Sep-96	JRM	2 plants in field off Monxton Road.
Andover Down	SU3945	1962		
Chilbolton Down	SU4236	1977		
Longparish area Southside Hill N Longparish SE of Southside Farm, Longparish Longparish, Southside Farm	SU4343, SU4443 SU435437 SU440436 SU441435 SU4443	1984-1999 1984 31-Jul-89 31-Jul-86 19-Jun-99	GC PJW PHC & AJB BGo & JGo	HBIC record. 1 plant. Winter wheat field. In one of the conservation plots.
South Wonston area	SU4537, SU4735	1967-1977		

Freefolk Wood, S of Freefolk Wood, S of	SU4843 SU487437	1995 1995	MFW	Margin of arable field along footpath near Freefolk Wood.
Upper Cranbourne Farm Upper Cranbourne Farm	SU4942 SU492427	2001 31-Jul-01	JRM	In field east of track leading NE from A303.
Roundwood Estate Roundwood Estate	SU5043, SU5044 SU507443	1993-2010 16-Jun-10	GKn	One plant shown to me by PJW & KSt on arable edge at c.SU5079 4434. (Photo confirmed ARGM).
Roundwood Estate	SU507445	1993	PJW	Two plants with <i>Ajuga chamaepitys</i> .
Roundwood Estate	SU508438	Aug-2009	PJW	
Easton Field at S end of Long Walk, Easton	SU5130 SU511300	2003-2006 14-Jul-06	MR & ARGM	Hb.ARGM, over 150 plants counted along headland strip SU5112 3004 to at least SU5120 3009, shown to ARGM by MR.
Morn Hill Morn Hill, No Mans Land	SU5129 SU517291	2001 12-Jun-01	PAB	Three plants on dumped soil.
Alresford area	SU5632, SU5831	1935-1977		
Yateley Yateley	SU8160 SU816608	2004 31-Jul-04	ARGM	As a weed on planted verge in alleyway at SU8160 6080, Hb.ARGM Originally recorded as <i>F. vaillantii</i> but re-det. RJM Sep 2006.

***Fumaria reuteri* Boiss.**

Martin's Ramping-fumitory 2010

**National Status: Unlisted, Rare, Archaeophyte or Neophyte
WCA Schedule 8**

S Hants: Rare

Archaeophyte or Neophyte

Found well-established by GKn on one site in 2010, in an area once intensively used for commercial horticulture. Full site details are currently withheld.

Fareham SU501 2010

***Fumaria vaillantii* Loisel.**

Few-flowered Fumitory 1840s-2009

National Status: Vulnerable, Scarce, Archaeophyte

S Hants: Rare

Archaeophyte

This may well count as South Hampshire's rarest plant, as it has only ever been seen on the one occasion. It has been searched for since in the same spot by MR and BGo without success.

Buckholt SU2832 2004
Buckholt Farm, SU280325 19-Sep-04 RMV A few plants at west edge of a maize field at SU2809 3257. Voucher Hb MR.

N Hants: Scarce, Declining

Archaeophyte

Confined to very few spots on bare, chalky, arable field edges, and clearly declining.

Leckford SU3836 1998
Leckford stubble field SU385365 22-Aug-98 BGo & JGo Edge of oilseed rape field, conf. FR.

Stockbridge Down NE of Stockbridge Down	SU3735 SU377354	2000 19-Aug-00	ARGM & BGo	One flowering plant on SW margin of wheat field at SU3778 3543, specimen conf. FR.
Chilbolton Down	SU4137	1955		
Upper Norton Farm Upper Norton Farm, bridleway NE of	SU4837 SU485437	2002 20-Jul-02	ARGM	Specimen piece from single plant on S side of track at SU4858 4373 at edge of corn crop.
South Wonston, E of	SU4936	1977		
Warren Farm, Micheldever Station	SU5042	1976-1978		
Roundwood Estate	SU5044, SU5144	1986-2009		
Roundwood Estate	SU507445	1993	PJW	
Roundwood Farm, nr Micheldever Station	SU512446	1986	GC	
Roundwood Estate	SU513448	Aug-2009	PJW	One plant.
Bramdown Copse, near	SU5247	2008		
Field west of Bramdown Copse	SU525473	01-Aug-08	JRM	Along north edge of field, near hedge.
nr. Ash Warren House, Quidhampton	SU5351	1958		
Upper Wootton, S of	SU5753	1998		
Upper Wootton, S of	SU5753	1998	PHR	Cornfield N & adjacent to Inkpen Way, E of Hook Lane, S of Upper Wootton. [Map ref. inferred – ARGM]
Fob Down Farm	SU5632, SU5733	1976		
Herriard Park	SU6747, SU6847	1976		

***Gagea lutea* (L.) Ker Gawl.**

Yellow Star-of-Bethlehem

1884-2009

National Status: Not Scarce, Native

S Hants: Rare

Native

There is a record from Beaulieu (?SU30) in 1908 for which a voucher was claimed in Hb Druce, but no specimen was found in the Oxford herbarium.

Moot Lane, Hale **SU1719** **1935**

Rye Hill Copse **SU1819** **1987-2006**

Rye Hill Copse SU180197 25-Mar-06 BLA In corner of wood at SU1801 1975. Nice patch of leaves and 3 plants forming flower buds.

Rye Hill Copse SU180198 01-Mar-99 JO Both patches have several plants .

N Hants: Rare

Native

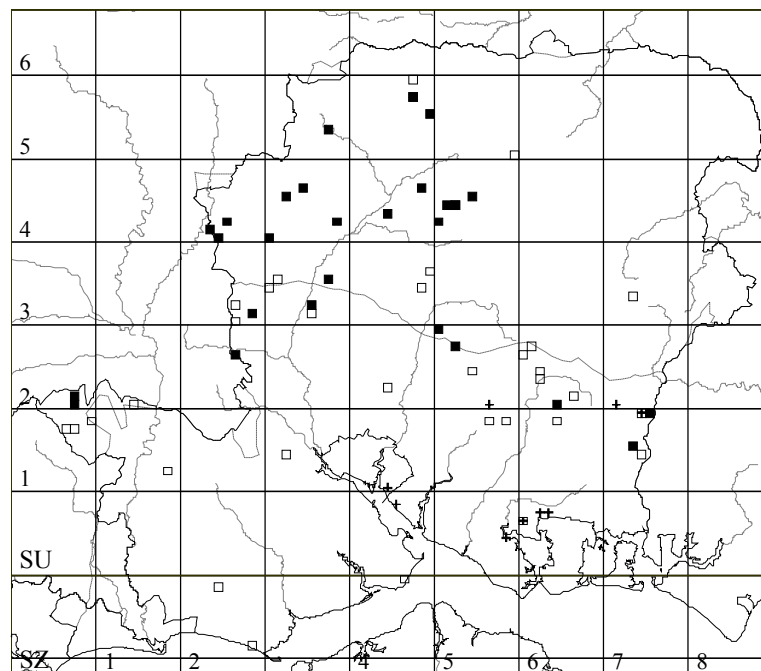
The site at Berrydown Copse was coniferised after the 1971 record. It was searched unsuccessfully by ARGM, EJC & WGH on 27 Mar 2004.

Inhams Copse, Axford	SU6143, SU6243	1884-2009			
Inham's Copse, Moundsmere, Axford	SU616432	28-Mar-77	AB	SU616432 etc. Hazel coppice with oak standards. Leaves very locally plentiful, up to eight flowering.	
Inham's Copse, Moundsmere, Axford	SU617433	07-Apr-09	BGo & JGo	Eight flowering inflorescences in fenced area plus several non-flowering clumps.	
Inhams Copse	SU620433	21-May-85	NAS	HBIC record.	
Inhams Copse, Axford	SU621431	07-Apr-09	BGo & JGo	One flowering inflorescence in fenced area plus several non-flowering clumps.	
Inham's Copse, Axford	SU624434	1960	AB	'AB 1960+'.	
Inham's Copse, Moundsmere, Axford	SU625435	1930	EHW	Grid ref. changed from 617433 to 625435. [Inhams Copse searched Apr 1974 by JEL & BWh but not found.	
Berrydown Copse, Axford	SU6244	1971			

***Galeopsis angustifolia* Ehrh. ex Hoffm.**

Red Hemp-nettle
1844-2010

National Status: Critically Endangered, Scarce, Archaeophyte
NERC S41
UK BAP Priority Species



S Hants: Scarce, Declining

Archaeophyte

Mainly but not exclusively on chalk, with some records on coastal shingle and some on imported ballast. The first county record in 1844 was indeed on ballast over the Bedenham tunnel at Fareham (SU50X), where it was searched for in 2000 by PJSe but not refound. It is in severe decline in arable habitats. There are also old records from the Hyde area (SU11W), Copyford area (SU31H), Tatchbury (SU31H), at Netley and Woolston (SU40), Otterbourne (SU42L), Hill Head (SU50G), Dundridge (SU51U), Droxford (SU51Z), Baybridge (SU52M), Stephens Castle Down (SU52Q), Hoe Cross (SU61H), and Bramdean (SU62D). Some sites with only pre-1987 records are detailed to encourage further search.

Tidpit Common Down **SU0617** **1986**

South Allenford, Damerham **SU0701** **1986**

Talks Farm, East Martin	SU0720, SU0721	1990		
Talks Farm, East Martin	SU074214	29-Jul-90	JO	
Talks Farm, East Martin	SU075207	22-Jul-90	JO	Barley field. Comments : ... (Only 2 plants, 5m apart).
Knoll Down, Damerham	SU0918	1966		
Breamore Down	SU1420	1960-1977		
Wootton	SZ2498	1965		
Dean Hill	SU2626	2004-2007		
Dean Hill railway lines	SU263263	09-Sep-04	JMill	
Dean Hill Park	SU268263	08-Sep-07	HFG	Along MOD railway lines, one patch of 20+ plants. Sidings ballast at SU2681 2632.
Norman Court	SU2630	1966		
Buckholt Farm, East Tytherley	SU2632	1964		
Milford-on-Sea	SZ2891	1965		
Buckholt Farm	SU2831	1987		
Buckholt Farm (E of), Buckholt	SU288318	28-Aug-87	RMV	N edge of arable field.
Buckholt Farm, East Tytherley	SU289318	28-Aug-87	RMV	North edge of arable field east of Buckholt Farm, Buckholt.
Nine Mile Water Farm	SU3034	1981		
Yew Hill, Kings Somborne	SU3531, SU3532	1977-1987		
Yew Hill, King's Somborne	SU350319	18-Jul-86	RPB	c.SU350319. Bare chalk at old chalk workings. Rare.
Yew Hill, King's Somborne	SU351320	31-Jul-87	RDP	Yew Hill (Kings Somborne). [Grid reference is apparently the centre of the site.]
Yew Hill	SU352321	1987	ENa	
Stanswood Bay	SZ4699	1986		
Stanswood Bay	SZ468995	15-Aug-86	RPB	Bare shingle amongst bramble at back of beach, 10 plants.
Cheesefoot Head	SU5227	1999		
Cheesefoot Head	SU527277	10-Jul-99	PJS	Flax field on chalk, 1 plant near field N edge, S of road.
Longwood	SU5424	1965		
Dean	SU5618	1957-1959		
Fort Nelson	SU6006	1847-1986		
Fort Southwick, Ports Down	SU6207	1956		
Warnford	SU6223	1960		
West Meon	SU6224	1977		
Ports Down	SU6307	1847-1953		
Teglease Farm	SU6418	1957		
Old Winchester Hill	SU6420	1987-2010		
Old Winchester Hill	SU6420	26-Jul-01	BGo & JGo	100 in set-aside to S of Reserve.
Old Winchester Hill	SU642204	21-Jul-10	MR & NMR	13 plants, centred on SU6429 2045.
Old Winchester Hill	SU643204	21-Jul-10	MR & NMR	c. 400 plants, flowering and non-flowering, from SU6430 2046 to SU6431 2049. Found by NMR 17-Jul-10.
Old Wincheser Hill	SU643205	21-Jul-10	MR & NMR	c. 100 plants at SU6432 2050.
Henwood Down	SU6621	1958		

Butser Hill	SU7120	1952			
Chalton Down Chalton Down	SU7301 SU736153	1997 13-Jul-97	JRWH		One small plant perhaps 20cm high in the south-east corner of an arable field, SU73601 534.
Heberdens, Finchdean	SU7414	1959			
Coulters Dean, Buriton Coulters Dean Farm, Buriton Buriton	SU7419, SU7519 SU747195 SU750197	1844-1989 23-Aug-59 12-Sep-89	AWW EAP		Specimen at Hants. County Council Museum Service in Hb AWW, No. Bi1986.1.945. E. of Buriton. Arable field below downs.

N Hants: Infrequent, Declining

Archaeophyte

Its sites are thinly scattered in chalky arable fields, or on bare disturbed chalk. In common with many other annual plants of arable habitats, it is declining as it requires unsprayed field edges with bare tilled soil. It is palatable to rabbits so it is most often found in stubble a little away from field edges, or else on headlands where rabbits are absent.

***Galeopsis speciosa* Mill.**

**Large-flowered Hemp-nettle
?1929-1981**

National Status: Vulnerable, Not Scarce, Archaeophyte

S Hants: Extinct

Archaeophyte

Formerly recorded from Hamble (SU40U), Chilworth (SU41E), Bishopstoke (SU41U) and Shawford (SU42S) between the 1920s and 1964.

N Hants: Probably Extinct

Archaeophyte

Apart from the patch of plants that arose in a new border at the rear of Winchester Station, there is an old and unlocalised record at Highclere.

Winchester Station SU4729 1978-1981

***Galium constrictum* Chaub.**

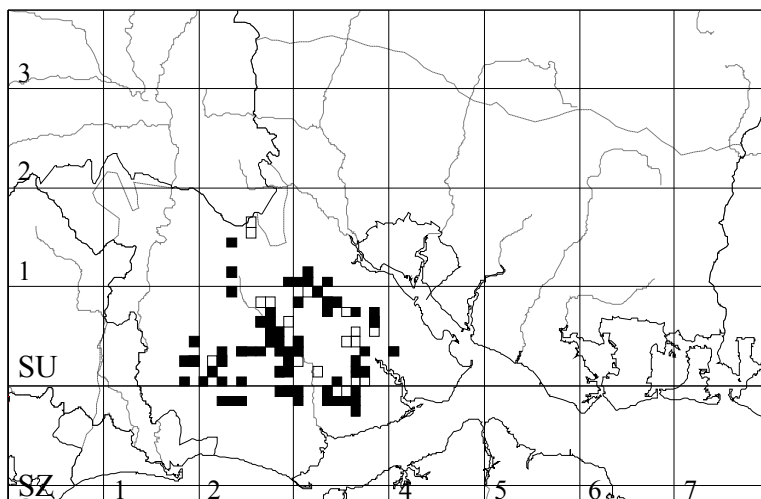
**Slender Marsh-bedstraw
1924-2009**

National Status: Rare, Native

S Hants: Not Ranked

Native

Widespread in open habitats or close-grazed turf in all manner of water margins and damp situations on the New Forest. The late discovery of this plant in Britain, and the remarkable increase in the number of recorded sites in the Forest since 1970, might raise questions over its native status, but recorders' lack of familiarity with it is probably a factor, and it can also be argued that it has benefited from climatic changes. At some sites it appears to have been overrun by the invasive aquatic *Crassula helmsii*.



N Hants: Not Recorded

***Galium parisiense* L.**

**Wall Bedstraw
1935-2009**

National Status: Vulnerable, Scarce, Native and Introduced

S Hants: Rare

Neophyte

There are no old-established sites that suggest this is a native in South Hampshire.

Fort Rowner, Gosport	SU5900, SU5901	2005		
Fort Rowner moat (HMS Sultan), Gosport	SU593009	08-Jun-05	DRA, EJC, JAN & MR	SU5934 0098. 20+ plants over 5m length, car park area along kerbside adjacent to Fort Rowner moat.
Fort Rowner and moat (HMS Sultan), Gosport	SU593010	08-Jun-05	DRA, EJC, JAN & MR	SU5936 0100. See above.
Farlington Marshes	SU6805	2007-2008		
Solent Way, Bedhampton	SU688051	04-Jun-08	NM	Several patches on the ground close to the A27, where the path turns south towards the east edge of Farlington Marsh.
Farlington Marshes HWT reserve	SU688053	27-Aug-07	GFa	Some small patches of <i>Galium parisiense</i> (Wall Bedstraw) just outside of the north-east entrance to Farlington Marshes Nature Reserve. Most of the plants were fruiting but still quite fresh and readily identifiable. All plants growing on slightly scuffed, short grassland below a stand of Teasel just north of the raised bank ca 15 metres from reserve entrance. Voucher Hb MR.

N Hants: Scarce

Native and/or Neophyte

The sites at Old Basing and at Micheldever Spoil Heaps may perhaps be native, but it seems to have been introduced with imported soil at the other sites.

Atners Hill	SU3636	1997		
Atners Hill	SU365368	10-Aug-97	JAN & PJSe	A small quarry E of road. Single plant... in August the fruit was collected by JAN: examined and conf. as this species by RPB.
Micheldever Spoil Heaps	SU5144, SU5244	1956-2009		
Micheldever Spoil Heaps	SU519444	24-Jun-09	EAP & DL	At least ten plants at c.SU5197 4444 on top of the raised heap, 10m-14m SSW of the electricity post, where seen in 1996.
Micheldever Spoil Heaps	SU520442	1991	CC	Micheldever Scrubs, result of clearance by HWT.
Micheldever Spoil Heaps	SU520443	7-Jul-05	ILR	HBIC record.

Micheldever Spoil Heaps HWT reserve	SU520444	1991	AJB	About 50 plants.
Micheldever Spoil Heaps	SU520445	04-Jul-99	CC, ARGM & HFG	Numerous with c.50 plants but very localised.
Old Basing	SU6652	1935-2009		
Old Basing, wall	SU662528	27-Aug-00	BGo & JGo	
Old Basing	SU661527	20-May-00	ARGM	60 plants on wall opposite Basing House. Still in bud and mainly on the south-facing side of the wall at SU6614 5276, with a few on the north-facing side at SU6616 5277.
Old Basing	SU662527	10-Apr-09	NM	Numerous small plants on ancient brick wall on north side of road.
Eelmoor Marsh	SU8353	2007-2009		
Eelmoor, Tyte Track	SU837537	13-Jun-09	CRH	Extending along c.90m of the verges of Tyte Track SU8379 5370 to SU8388 5364, 16 patches, plants often dense and uncountable.
Eelmoor, Tyte Track	SU838536	13-Jun-09	CRH	Extending along c.90m of the verges of Tyte Track SU8379 5370 to SU8388 5364, 16 patches, plants often dense and uncountable.
Eelmoor, Tyte Track	SU838537	13-Jun-09	CRH	Very localised on SSSI verge at SU8380 5370.
Cody Technology Park	SU8453	2008-2009		
Cody Technology Park, Farnborough	SU844539	13-Jun-09	CRH	On 3m of bank by Buccaneer Way at SU8447 5393, more localised than in 2008 (most topped by grass cutting and many already dead due to drought).
Farnborough	SU8852	1981		

***Galium pumilum* Murray**

Slender Bedstraw 1966-2007

**National Status: Endangered, Rare, Native
NERC S41
UK BAP Priority Species**

S Hants: Rare or Extinct

Native

There is also an unvouched record for the Highcliffe area (SZ29B) in 1967, which is surprising and was omitted from the 1996 *Flora*.

Yew Hill, Oliver's Battery **SU4426** **1966-1975**

N Hants : Rare

Native

Usually on ant hills, within short turf on chalk grassland.

Isle of Wight Hill, Porton Down **SU2437** **1991-2007**

Porton Down SU244371 2007 PJW Numerous plants in same area as *Salvia pratensis* and *Euphorbia cyparissias*.

Isle of Wight Hill SU245373 1991 PJW
Porton Down SU245371 29-May-04 ARGM & HFG On ant hills, one SU2464 3714, dozens at SU2458 3710, Hb.ARGM.

Porton Down SU246371 11-Sep-05 HFG Two plants on ant hills at SU2460 3713.

Ladle Hill **SU4756** **1987-1988**

Ladle Hill SU4756 15-Jul-88 FR & PS Bitten off.
Ladle Hill SU478568 30-Jun-87 FR Hb.AB Specimen Bi2003.24.627.

Galium x pomeranicum Retz.**Hybrid Lady's x Hedge Bedstraw****1882-2010****National Status: Unlisted, Scarce, Native****S Hants: Scarce**

Native

Also recorded in the past at Ampfield (SU32).

Needs Ore Needs Ore	SZ4297 SZ422974	1996 24-Jun-96	RMV	W of cottage.
Ashlett Green Ashlett Green, Fawley	SU4603 SU468032	2008 07-Sep-08	MR & WBS	Three flowering spikes at SU4683 0323.
Old Winchester Hill Old Winchester Hill	SU6420 SU642205	2010 21-Jul-10	MR & NMR	One or two plants on N side of hill fort at SU6425 2056
Sinah Common, Hayling Sinah Common Golf Course, Hayling, Island	SZ6898, SZ6998, SZ6999 SZ6898	1982-1997 17-Jul-97	EAP	
Sinah Golf Course	SZ691996	1982	EAP	On 5 th fairway, and in area between 4 th and 6 th .
Sinah Common Golf Course, Hayling Island	SZ697991	1982	EAP	On 5 th fairway, and in area between 4 th and 6 th .
Sinah Common Golf Course & Beach	SZ698989	1982	EAP	On 5 th fairway, and in area between 4 th and 6 th .
Eastoke	SZ7598	1980		

N Hants: Scarce

Native

Possibly it is overlooked as its parents are frequently found together on chalky soils. In addition it was recorded from 1940 until 1957 on wasteland at Norn Hill, Basingstoke SU65L, since built over.

Pilot Hill Pilot Hill	SU3959 SU399594	2009 10-Jul-09	MFW & DMG	Two obvious plants at SU3997 5940 growing amongst <i>G. verum</i> , stood out with their more vigorous growth and very pale yellow flowers. Some other plants nearby with colour nearer to normal <i>G. verum</i> might be backcrosses. <i>G. mollugo</i> is very common nearby.
Beacon Hill, Burghclere Beacon Hill, Burghclere	SU4557 SU459573	2001 06-Jul-01	RC & ML	'Lemon yellow coloured Bedstraw at the base of a hawthorn bush, close to the perimeter fence at the top of the hill where it changes direction to follow the contour'. (Conf. ARGM 14/7/01 at SU4594 5731).
Ladle Hill Ladle Hill	SU4756 SU478567	2009 12-Jul-09	ARGM & HWT	One found by MSh at SU4789 5674, another by MWa at SU4788 5674 and another by PBi at SU4787 5674.
The Warren, nr. Hannington The Warren, near Hannington	SU5156 SU516567	2007 29-Jul-07	HFG, MR & ARGM	At SU5162 5672 on an ant hill.
Noar Hill Noar Hill HWT reserve Noar Hill / High Common	SU7431 SU741318 SU742318	1971-2007 1992 25-Jul-07	SP ARGM et al.	Very rare. One plant. Single plant on an ant-hill at SU74254 31879.

Gastridium ventricosum (Gouan) Schinz & Thell.**Nit-grass
1836-2005****National Status: Scarce, Native****S Hants: Scarce**

Native

Formerly widespread in the now largely urbanised area around Christchurch, it has a remaining headquarters in the Pylewell / Sowley area where it appears intermittently when conditions are favourable but seems to have fared badly in recent years. There is some confusion in the records as to who saw it there, and where, in the years around 1980. Also formerly recorded in the Hengistbury Head area (SZ19Q), from Christchurch to Barton (SZ19 / SZ29), Beaulieu (SU30W), Exbury (SU40F), Gosport (SZ69) where it was first recorded in 1836 and still extant in 1998, and Hayling (SZ79E).

Ringwood	SU1504, SU1604	1950-1957		
Barton-on-Sea	SZ2492, SZ2493	1957		
Tanners Lane, East End	SZ3695	1874-2001		
Tanner's Lane, East End	SZ362952	27-Jul-85	RAF & PJW	SZ362952 – 364952 – 363956. Large wheat field borders W of road. Widespread, plentiful.
Pylewell Shore, Tanner's Lane	SZ363953	1985	RAF & PJW	Arable, in small arable waste plot, along shore.
Tanner's Lane, East End	SZ363955	1985	RAF & PJW	Extant over large area.
Tanner's Lane, East End	SZ363956	27-Jul-85	RAF & PJW	SZ362952 – 364952 – 363956. Large wheat field borders W of road. Widespread, plentiful.
Tanners Lane, East End	SZ363957	27-Jul-85	RAF & PJW	Barley field. With ass. spp. list – incl. Briza minor, Agrostis spp., etc.
Tanners Lane, Pylewell	SZ364952	08-Aug-01	BGo & JGo	Frequent in cultivated field adjacent to the sea coast.
Tanners Lane, Sowley (East End)	SZ364958	1980	PJOT	Barnyard, in short grass near door of barn.
Tanner's Lane, East End	SZ364959	1946	JEL & LWF	Edge of field. Gravel pit filled in.
Tanner's Lane, East End	SZ365953	1980	PJOT	Small waste arable plot behind shore. Hb PJOT.
Sowley and Pitts Deep	SZ3696, SZ3795, SZ3796	1980-2005		
Sowley	SZ367964	25-Jul-05	MWR	Three plants at edge of harvested grain field, by footpath, just S of Sowley Brooms, two of them at SZ3679 9640.
Sowley Lane, Sowley	SZ368961	12-Jul-94	RPB	Wheat field N border. Locally frequent over c.210m.
Pitts Deep Lane, Sowley	SZ370960	1981	PJOT & AEB	Nr. Pitts Deep. Marginal furrows of headland and into wheat. V. few 1981.
Sowley Lane	SZ370961	12-Jul-94	RPB	Wheat field N border. Locally frequent over c.210m.
Sowley Lane, Sowley	SZ371962	1980	PJOT & AEB	SW of Sowley Pond... 40/371.962*. July/Aug...[1980-81]. Summary: mish-mash signed: PJO Trist. Form quotes S. Davey 1980 record, and notes that Trist recorded in that field in 1980, and, recorded v. few <i>Gastridium</i> there in 1981.. (*GR is queried & has 370960/1 pencilled in) With sketch, owner notes, etc.
Sowley Lane, Sowley	SZ371962	Aug-80	SRD	Nr Pitt's Deep. Marginal furrows of headland and into wheat. Locally plentiful. Zone 3ft wide, scat and c.15-20 pl per sq ft.
Pitts Deep	SZ372957	05-Jul-98	MEY	
Sowley Farm (SW of), Sowley Estate, East End	SZ372961	1981	PJOT	Headlands of winter wheat, in open crop, either side of managed hedge. L. plentiful 'Also PJOT 1981', noted on 1980 record.
Sowley	SZ373964	1980	AEB	Cornfield margins.
Sowley Farm, Sowley	SZ374963	1993	EAP	Corner of field.
Beck Farm, Sowley	SZ3897	1980		
Forton, Gosport	SU6100	1998		
Forton Road, Fuel Depot	SU613002	13-Aug-98	EJC & DRA	N side of the road, tree base, near the fuel depot.

Mumby Road, Gosport	SZ6299	1998		
Mumby Road	SZ622999	13-Aug-98	EJC & DRA	

N Hants: Not Recorded

***Gaudinia fragilis* (L.) P. Beauv. French Oat-grass**

1987-2010

National Status: Scarce, Native

Native

S Hants: Scarce

Native

Now often considered a native in southern England, and widely recorded in semi-natural grassland, but apparently adventive at a number of the sites below.

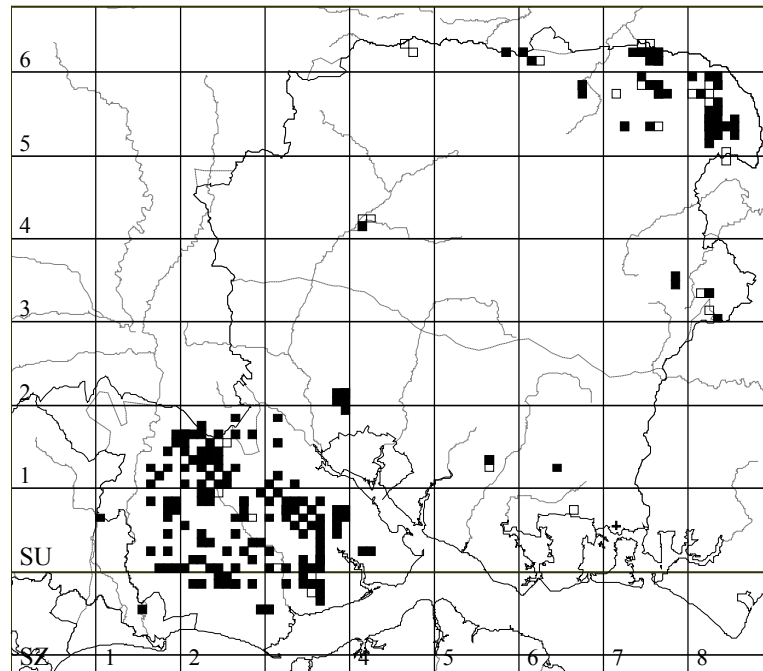
Fulliford	SU3409	1999		
Fulliford Area	SU344093	15-Jul-99	MEY	1 plant on railway bridge Det GDF.
Hounslow, Eling	SU3511	1997		
Hounslow, Eling	SU353117	02-Jul-97	JRow	Horse pasture in closed sward on clay 2 nd VC Record Conf RPB Hb RPB 20+ plants.
Marchwood	SU3809	2002-2010		
A326 Marchwood	SU380098	22-Jun-09	JAN & DRA	Occasional, north verge.
Road verge ns63, A326	SU381097	01-Jun-02	ILR	
Staplewood Lane To Twiggs Lane (north)				
Twiggs Lane, N of A326	SU382097	27-May-10	JAN & DRA	SU3825 0976, field W of lane
Thornhill	SU4612	2007		
Thornhill Plantation	SU467128	2007	JMill	A few plants on grassy bank, SU4677 1280.
West End	SU4714	1998		
Moorgreen Road, West End	SU475148	01-Jun-98	PS	Grassland Hb RPB Conf EJC.
Curdridge	SU5213	1993-1998		
Curdridge	SU527138	30-May-93	JRow	Watsonia 20:300 1 st VC Record for 30 yrs Hb HCMS Det FR <5 plants.
Botley Railway Station	SU527139	1998	PS	Curdridge, Nr Church Abundant at top edge of field.
Claylands, Bishops Waltham	SU5418	1998-2007		
Claylands, Bishops Waltham	SU5418	06-Aug-98	JAN & PS	A few? small tussocks discovered by PS at top of path up hill from lower meadow, on R, in small patch of grassland next to scrub. Exact GR not known. Note correct date of record is 6-8-98, not 7-8-98.
Claylands, Bishops Waltham	SU547181	23-May-07	MR & GCo	Single flowering culm, panicle just opening, at foot of restabilised clay 'cliff'. c. 20 plants seen here later in the season.
Claylands, Bishops Waltham	SU547182	01-Jul-98	PS	Grassland within old claypits with JAN, Hb RPB.
Elmore, Lee-on-the- Solent	SZ5699	2002-2007		
Lee-on-the-solent Beach	SU563003	28-Sep-03	JAN	HBIC record. Rare.
Lee-on-the-Solent E / Elmore boatyard E	SZ567996	27-Mar-03	EJC & DRA	SZ56799966 (GPS), Shore by Elmore boat yard, one perennating, (and one seedling?).
Lee-on-the-Solent / Elmore	SZ568996	02-Jun-07	MR, JAN, DRA & BSBI	SZ5680 9964, one plant, nearly in flower, on shingle shore south of the boatyard.
Southwick	SU6310	2000		
S of Wiggs Wood Southwick	SU634104	30-Jul-00	JRow	Field Hb PJSe <5 plants.

N Hants: Not Recorded

***Genista anglica* L.**

**Petty Whin
1840-2010**

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

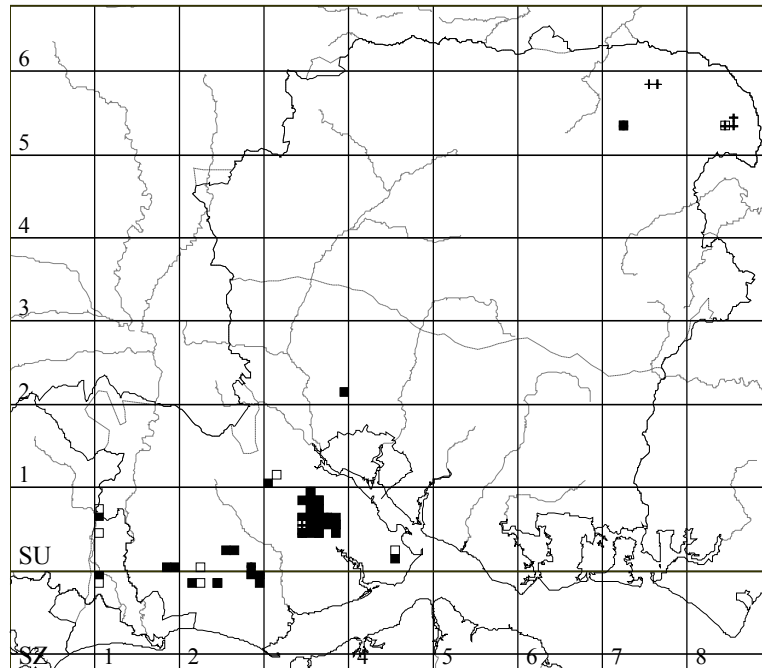
Widespread and in places plentiful in the New Forest; otherwise it survives only in a few Avon Valley sites and Baddesley Common.

N Hants: Not Ranked

Native

On moist heathland, especially in the area around Fleet and Farnborough. Most colonies only consist of a few plants, and it has decreased in some sites due to lack of grazing or heath fires. It is surprisingly difficult to spot when not in flower, so some plants could still persist at locations where there are no recent records.

National Status: Scarce, Native



S Hants: Infrequent

Native

Widespread and in places fairly abundant on the eastern heaths of the New Forest, scattered and mostly in no more than double figures elsewhere in the Forest. Censuses in a rolling selection of sites are carried out each year by the New Forest Study Group. Outside the Forest, only seen recently on East Parley Common, where a single plant was last seen in 1991, and Baddesley Common, a total of four plants in two spots. MR has searched for it without success at Baddesley in a number of recent years.

N Hants: Rare

Native

There are unlocalised records for Hook Common from 1863, where it was recorded as “abundant” by ARGM in 1973, but it declined due to scrub growth, and is probably now extinct there. It remains to be seen if the grazing recently started can revive it. Certainly grazing at Bartley Heath has led to remarkable increases in its abundance, though it varies from year to year. A few white flowered plants occur most years at Bartley Heath.

	SU7253	1933-1998		
Hook Common	SU720533	11-Sep-76	ARGM	
Hook Common	SU721532	10-Sep-77	ARGM	
Hook Common	SU722533	03-Sep-98	CRH	One plant (two flowering stems) near the pylon amongst dense, rank Molinia. This heathland was burned in 1991 which cleared off much of the litter and helped a temporary revival but, by 1998, the sward was very dense again.
Hook Common, Hook	SU722534	1987	ARGM	A few plants.
Hook Common, Hook	SU724532	1978	SBC	One flowering plant, amongst birch (overgrown 1988).
	SU7253	1975-2010		
Bartley Heath				
Bartley Heath, Hook	SU727533	25-Aug-07	PAV & HWT	Total of 1,236 plants counted at Bartley Heath, mainly in 728534 and 729534 but also some in 727533, 727534, 727535, 728533 and 728535.
Bartley Heath, Hook	SU727534	31-Aug-08	PAV & HWT	Survey mainly of peripheral locations. In this 100m square at SU7279 5349, SU7276 5345, SU7275 5346.
Bartley Heath, Hook	SU727535	25-Aug-07	PAV & HWT	Total of 1,236 plants counted at Bartley Heath, mainly in 728534 and 729534 but also some in 727533, 727534, 727535, 728533 and 728535.
Bartley Heath, Hook	SU728533	31-Aug-08	PAV & HWT	Single outliers at SU7275 5355 and 7277 5354. Survey mainly of peripheral locations. In this 100m square at SU7289 5337, SU7283 5338, SU7281 5339, SU7280 5338, SU7282 5339, SU7285 5338, SU7280 5331, SU7286 5336,

Bartley Heath, Hook	SU728534	31-Aug-08	PAV & HWT	SU7286 5337. Survey mainly of peripheral locations. In this 100m square at SU7282 5341.
Bartley Heath, Hook	SU728535	31-Aug-08	PAV & HWT	Survey mainly of peripheral locations. In this 100m square at SU7287 5352, SU7286 5352.
Bartley Heath, Hook	SU729534	31-Aug-08	PAV & HWT	Survey mainly of peripheral locations. In this 100m square at SU7292 5343, SU7294 5346.
Bartley Heath, Hook	SU729535	31-Aug-08	PAV & HWT	Survey mainly of peripheral locations. In this 100m square at SU7293 5350, SU7290 5353, SU7290 5351.
Bartley Heath, Hook	SU7253	29-Aug-10	PAV & HWT	Systematic total count of all plants in flower at the site by 13 volunteers gave 654 plants. Plants were present in hectares SU 727 533, 728 533, 727 534, 728 534, 729 534, 728 535 & 729 535, with concentrations around 7279 5332, 7279 5347, 7285 5342, 7293 5343, 7287 5351, 7290 5351 & 7292 5351.
Hazeley Heath	SU7558	1936-1948		
Farnborough Common (now an Airfield)	SU8453, SU8553	1894-1960		

***Gentianella anglica* (Pugsley) E.F. Warb.**

**Early Gentian
1929-2009**

**National Status: Unlisted, Scarce, Endemic
Bern Convention
EU Habitats and Species Directive
NERC S41
UK BAP Priority Species
WCA Schedule 8**

S Hants: Scarce

Native

In its South Hampshire sites it relies on man-made disturbance for its perpetuation, and declines when disturbance ceases. Annual fluctuations in numbers are indicated here from the succession of records from Ashley Hole, where a population is established on imported chalk on a bombing range in the middle of a New Forest heath. Also recorded from the Cheesefoot Head area (SU52), which may be in either S or N Hants, in the mid 20th century.

Martin Down W Martin Down, Hampshire	SU0319 SU036199	1988-2008 07-Jun-08	MR & HFG	7 at SU0360 1999. 13 at SU0360 1998. 47 at SU0361 1997. 1 at SU0361 1998.
Vernditch Chase	SU0320	1982		
Martin Down C Martin Down, Hampshire Martin Down	SU0319, SU0419 SU039196 SU040196 SU041195	1964-2009 24-May-09 30-May-09 07-Jun-08	MR HFG MR & HFG	At SU03999 19687. 2 at SU0405 1960. Disturbed CG2 grassland behind rifle butts. 9 at SU0410 1959. 4 at SU0413 1956.
Martin Down E Martin Down, Bokerley Ditch Martin Down Martin Down	SU0518 SU0518 SU058184 SU059184	2002-2009 23-May-02 30-May-09 30-May-09	BGo & JGo HFG HFG	One patch near the Butts, in short calcareous turf. 470: 11 at SU0586 1845, 22 at SU0587 1844, 246 at SU0587 1845, 52 at SU0588 1844, 106 at SU0588 1845, 1 at SU0588 1846, 32 at SU0589 1844. 65 : 64 at SU0590 1844, 1 at SU0591 1844.

Ashley Hole	SU2015	1986-2009		
Ashley Hole	SU202152	03-Jun-06	MR	C. 200 plants (est), mostly very small, centred on SU2021 1524. Only 4 showing just a single flower.
Ashley Hole	SU202152	31-May-09	SCu	400 plants, Ashley Walk SU 20223 15264.
Ashley Walk	SU202154	10-Jun-94	RPB	2789 flg plants. NW of Ashley Hole, Ashley Walk. Remains of chalk surface of old bomb range target. (108/5/5).
Ashley Walk	SU202154	23-Jun-95	RPB	R, 9 plants only. NW of Ashley Hole, Ashley Walk. Remains of chalk surface of old bomb range target. (108/5/5).
Ashley Walk	SU202154	1997	RPB	420+ plants. NW of Ashley Hole, Ashley Walk. Remains of chalk surface of old bomb range target. (108/5/5).
Leaden Hall	SU202154	29-May-00	BSBI	Count of 882 plants. Many small seedlings all on chalk cross.
Beacon Hill, Warnford	SU6023	1980		
Portsmouth, Paulsgrove	SU6206, SU6306	1975-2009		
Portsmouth Cmpt 2	SU628067	14-Jun-06	RJ	4 plants.
Portsmouth, Paulsgrove	SU630066	08-Jun-06	RJ	2 plants S of path running NE-SW from gate at top of Paulsgrove Pit, above recent scrub clearance, at SU6304 0665. Seen by MR and others 14 th June 2006.
Portsmouth Hill	SU630067	02-Jun-07	JGood	1 plant. To find it start from the top North West corner of the Paulsgrove chalk pit from where a couple of paths slope down the down to the west. Take the top one and the flower was on the right of the path on a patch of short grass where the path bends and becomes steeper. [Nominal GR.] Confirmed by MR on 3/6/09 as population of c. 100 plants, not 10 as in email.
Portsmouth, Paulsgrove	SU632066	12-May-09	RJ & JGood	
Portsmouth Technology Park	SU6406	2005-2006		
Portsmouth Technology Park	SU640068	14-Jun-06	MR et al.	65 plants in total.
Portsmouth Technology Park	SU641068	14-Jun-06	MR et al.	c.SU6413 0681. Grassland immediately to N of building. c.25 blue-flowered, & 40 white-flowered plants. [Plus one as ?G. amarella]

N Hants: Rare

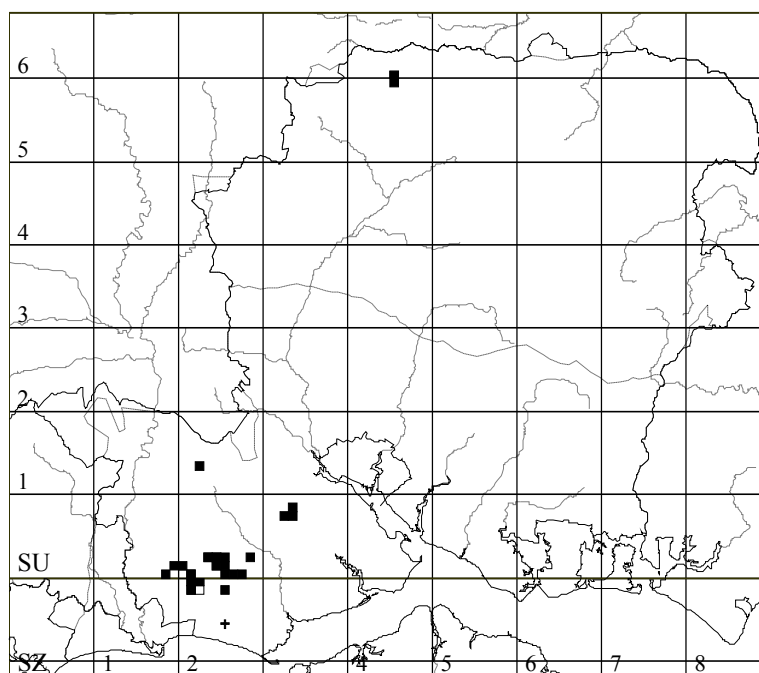
Native

Plant counts at Noar Hill were 127 in 1971, 340 in 1972, and 154 in 1978, but sadly it is now on the verge of extinction, presumably due to the lack of suitable small bare chalk patches amongst very short turf.

West Down, Chilbolton	SU3838	1967		
Noar Hill	SU7431	1970-2009		
Noar Hill HWT reserve	SU741318	1999	SP	Scarce and decreasing.
Noar Hill	SU741319	26-May-09	ARGM	Two plants at SU74192 31954, close to area that I raked free of moss last winter.
Selborne S of, Noar Hill	SU742318	10-Jun-05	GB	At SU7421 3187 on bank between Lower Centre Pit and Upper Centre Pit. (Not re-found here by ARGM in Jun 2006. Since the 1970s it has desperately declined in numbers at Noar Hill as it prefers patches of nearly bare chalk).
Selborne S of, Noar Hill	SU742318	Jun-07	Tja	On 13 Jun 2007, ARGM had a report that Tja had recently re-found one plant at 'Lower Middle Pit' which ARGM interprets to be at roughly SU7422 3188.
Noar Hill, Selborne	SU742319	09-Jul-72	RPB	Bare chalk on steep banks in old chalk workings. Very local, in fair quantity.

Gentianella campestris* (L.) Börner*Field Gentian**

c. 1870-2009

National Status: Vulnerable, Not Scarce, Native**NERC S41****UK BAP Priority Species****S Hants: Infrequent**

Native

Somewhat localised but widespread in close-grazed grassland in the New Forest, where surprisingly it was not recorded before the 1930s. A scatter of earlier sites on the southern fringes of the Forest have now been lost to habitat destruction. With one metapopulation extending across 2km x 1km and estimated to be well into five figures, and several other populations in four figures, the Forest probably now forms the main stronghold in southern Britain for this declining species. Annual numbers fluctuate, and it is favoured by cool moist summers.

N Hants: Rare

Native

The only extant site is in particularly herb-rich grassland with an unusual mixture of species, some of them associated with acidic soils and others with more calcareous conditions. There are also unlocalised old records for Alresford, East Woodhay, Kingsworthy and Tedworth (Tidworth).

Highclere ParkNewbury SE of,
Highclere Park**SU4560**

SU455600

1986-2004

21-Sep-04

PB, EJC,
WGH &
ARGMHundreds of flowers, SU4553 6003, SU4555 6002,
SU4555 6000, SU4555 5998, SU4552 6001,
SU4551 6002, SU4551 6005, most dense at 4552
6001.***Gentianella germanica* (Willd.) Börner****Chiltern Gentian**

1873-2010

National Status: Vulnerable, Scarce, Native**S Hants: Rare**

Native

Unknown in South Hampshire until its remarkable discovery on Martin Down (VC8) in 2006, representing a southward extension of its range in Britain.

Martin Down	SU0518, SU0618	2006-2010		
Martin Down	SU052188	19-Sep-09	LSm & SJP	Near central scrub SU05277 18843
Martin Down	SU055183	19-Sep-09	LSm & SJP	11 plants, base of Hanham Hill near grass track: SU 05523 18366
Martin Down	SU057188	19-Sep-09	LSm & SJP	13 plants, trackside (first) group near Downs Farm: SU 05786 18892
Martin Down	SU057189	24-Aug-06	DNe & MNe	11 plants beside track at SU0579 1890, shown to ARGM by MNe & DNe who found them on 24 Aug 2006. A single floret already dangling on its broken stem was collected as a voucher. Identity confirmed by TCGR from detailed measurements made on 8 of the plants.
Martin Down	SU057189	01-Sep-09	LSm	1 plant in middle of track between 5e and 5c at SU05790 18924
Martin Down	SU057189	15-Sep-10	EAP & DL	2 plants.
Martin Down	SU060181	27-Aug-07	DNe, MNe & ARGM	9 plants, cpt 4b, 45 paces past post D1, top of Hanham Hill, SU06084 18199
Martin Down	SU060182	29-Aug-09	LSm	cpt 2d group between posts A8 & A9, 3m north of track, 4m SW of buckthorn at SU06085 18201

N Hants: Rare

Native

Formerly at several spots, extending for at least 5km, along the disused railway line north of Litchfield, but its habitat became progressively scrubbed over. Plants there are now confined to one impressive colony where the A34 road cuts through the old railway. However, many of the thousands of plants remaining are the hybrid *G. x pamplinii* or have introgressed, Rich & McVeigh (2005). Hybridization and introgression with *G. amarella* are clearly one cause of loss. It has been lost from several other sites due to scrub encroachment or chalk grassland 'improvement', and is now very close to extinction at Ashmansworth.

Ashmansworth area	SU3957, SU4057, SU4158	1955-2004		
SE of Facombe	SU397572	02-Sep-58	FP	[Not refound by AMcV 4 Sep 2001, improved grassland, with much management for game birds in evidence.]
Ashmansworth, Privet Copse	SU407575	06-Sep-69	RPB	'Open chalk scrub by footpath, 3 flowering plants'. [Definitely gone when ARGM searched on 24 Aug 2004.area of very overgrown scrub towards SW tip of Privet Copse....]
Ashmansworth	SU413580	25-Aug-04	ARGM	Det. TCGR Sep 2004 (from detailed measurements plus one corolla specimen). Two at SU4138 5801 and two at SU4138 5803 with 30 introgressed <i>G. amarella</i> & <i>G. x pamplinii</i> , but gone from the former site at SU407575. (see also Watsonia 25, p.356).
Nr Privet Copse, Ashmansworth	SU414580	12-Sep-82	RPB	Rough count/estimate of 700+ plants majority in flower.
Privet Copse, Ashmansworth	SU414581	19-Aug-87	NCC	E of Privet Copse.
Ashmansworth, NW of	SU4157	03-Oct-72	FR & ECW	In chalk grassland.
Ashmansworth	SU4158	12-Aug-80	FR	

Worthy Down SU4535 1940

Litchfield, N of, disused railway SU4654, SU4655, SU4757, SU4759 1964-2002

Litchfield, N of	SU463548	20-Aug-78	RPB	Litchfield, near A34. Steep chalk cutting bank of railway. Only 15 flowering plants seen. [Not refound in SU4654 by AMcV & JEC 21 Aug 1999, as 'this population now appears to be entirely comprised of <i>G. amarella</i> or <i>G. x pamplinii</i> .'
Litchfield, beside A34	SU463552	23-Jul-00	ARGM	Hundreds of plants, still in tight bud, extending from SU4631 5532 to SU4631 5524.
Litchfield, beside A34	SU463553	Aug-02	PBi	At SU4631 5535. c.500 plants. Voucher specimen sent to ARGM.
Litchfield, A34	SU463555	01-Sep-02	BGo & JGo	Plants just coming into flower.

Litchfield, N of	SU463557	1982	FR	A34 road-verge (where disused railway incorporated).
Old Burghclere	SU470578	31-Jul-87	MSi	HBIC record. Disused railway line.
Old Burghclere, N of	SU474590	16-Sep-78	KC	In profusion. From Old Burghclere walk N along the railway line for about $\frac{3}{4}$ - 1 mile. It grows on the left side on a grassy bank beside the line. [Neither <i>G. germanica</i> or <i>G. x pamplinii</i> refound here by AMcV & JEC on 21 Aug 1999, 'chalk grassland is still present along the railway cutting - scrub encroachment is a major issue.']
Watership chalk pit, nr Ecchinswell	SU4858	1873-1937		
Nothing Hill, nr Ecchinswell	SU5059	1935		

***Gentianella x pamplinii* (Druce) E.F. Warb. Hybrid Chiltern x Autumn Gentian 1875-2009**

National Status: Unlisted, Rare, Native

S Hants: Rare

Found subsequent to the discovery of *G. germanica* in 2006.

Martin Down	SU0518	2009		
Martin Down	SU055183	19-Sep-09	LSm & SJP	Base of Hanham Hill near grass track: SU 0552318366, 1 (?) + 2 by track
Martin Down	SU057188	19-Sep-09	LSm & SJP	2 plants, trackside (first) group near Downs Farm: SU 05786 18892

N Hants: Rare

Native

On chalk grassland or in chalk pits. Several records have been included for Ashmansworth SU4158 as they were evidently in different spots.

Walbury Hill, Combe (VC12, Berks)	SU3761	1875		
Ashmansworth area	SU3956, SU4157, SU4158	1914-2004		
Facombe, SE of	SU399568	22-Aug-99	AMcV & JEC	Relict chalk grassland on E facing slope, c.40 <i>Gentianella</i> present, introgressed population with both <i>G. amarella</i> & <i>G. x pamplinii</i> present.
Ashmansworth	SU413580	25-Aug-04	ARGM	30 plants of introgressed <i>G. amarella</i> & <i>G. x pamplinii</i> , plus 2 <i>G. germanica</i> at SU4138 5803 (and 2 more <i>G. germanica</i> at SU4138 5801). Hb.ARGM, specimens det. TCGR Sep 2004.
Ashmansworth	SU4157	1956	NP	Shrubby ground at edge of plough. Specimen in ABD.
Ashmansworth to East Woodhay	SU4158	04-Oct-55	NP	Specimen in ABD. 'In a deep grazed field and on side of road on chalk'.
Ashmansworth	SU4158	04-Oct-55	NP	On 'steep slopes of quarry', specimen in ABD. [Source quotes SU4158, but possibly SU4258 as that once had 5 chalk quarries - ARGM]
Woodhay	SU4158	04-Oct-55	NP	Specimen in ABD. 'lower down hedge bank on side of lane'. [There are clearly specimens from more than one location on that day - ARGM].
Litchfield, N of, disused railway	SU4654, SU4655	1980-1999		
Great Litchfield Down, disused railway	SU4654	1980	RPB	
Great Litchfield Down, disused railway	SU4654	21-Aug-99	AMcV & JEC	
New A34 verge, N of Litchfield	SU4655	21-Aug-99	AMcV & JEC	
Watership chalk pit, nr Ecchinswell	SU4858	1895		

Nothing Hill, nr
Ecchinswell SU5059 1896-1897

**Geranium purpureum Vill. subsp. forsteri (Wilmott) H.G. Baker Little-Robin
1829-2009**

National Status: Unlisted, Rare, Native

S Hants: Scarce

Native

This plant remains rare but locally plentiful on many stretches of Hampshire's coastal shingle, showing some declines where human pressure is greatest. Numbers may fluctuate according to season, as shown by the succession of records for Browndown. All records given can be accepted with high confidence to have been correctly distinguished from *G. robertianum* subsp. *maritimum*, which also occurs on the Hampshire coast. Separation of subsp. *forsteri* from subsp. *purpureum* in situations away from the immediate shoreline is problematic; but there are no verified records for the latter in the county. There are other modern records from farther east on Hayling Island some of which will probably fit with the current subspecies, but they have not been determined to subspecies.

Hurst Spit	SZ3189, SZ3190	c. 1860- 2009		
Hurst Castle	SZ316903	22-May-71	RPB	SZ316903, 317900 etc. Shingle spit and nr cottages. Locally plentiful, 1,200 plants.
Hurst Castle North	SZ317900	22-May-71	RPB	See above.
Hurst Castle	SZ317901	09-May-09	CC	The plant was in a c5m wide band due north of the landlocked jetty. It was growing at the very top of the storm beach. It maybe only gave a <5% vegetation cover in what was otherwise coarse shingle. There were some 'perennial' plants but mostly small soft specimens. It was already in flower with a few in fruit. I intended to estimate the population but held back given Little ringed Plovers were displaying. The 'zone' for Little Robin could be seen extending to at least the old yacht racing hut, which is in the order of 300m+. The 'bare' shingle beyond the hut could well support more but that is not visible. From the stretch I walked I found an average of 12 plants for each metre of beach frontage. A conservative estimate of a population would be low to medium thousands of plants.
Hurst Castle	SZ318899	12-May-84	RPB	Amongst dumped stone blocks near lighthouse small groups.
Hurst Castle Spit (N)	SZ318900	26-Aug-97	MEY	
Hurst Castle	SZ319898	25-Jun-94	RPB	
Needs Ore	SZ4196	1978		
Lepe and Stansore	SZ4698, SZ4699	c. 1870- 2005		
Lepe Foreshore	SZ464987	1972	SRD	Stansore Point, Lepe. Shingle nr bushes.
Country Park				
Stansore Point	SZ465987	1976	MR	Shingle E of Stansore Pt. 3 plants.
Lepe Coast	SZ467993	03-Jul-97	ERB & CR	At Cadland Boundary on shingle Many plants.
Cadland shore	SZ467994	20-Jun-05	MR & BGo	
Stanswood Bay	SZ468995	20-Jun-05	MR & BGo	Back of shingle beach, SZ4683 9957 etc.
Cadland	SU4700	1966-2005		
Cadland Beach	SU471000	20-Jun-05	MR & BGo	At SU4714 0001.
Stanswood Bay				
Calshot Spit	SU4801, SU4802	1871-1997		
Calshot, Beach	SU485016	23-May-85	RPB	Shingle behind and around beach huts. VL lge patch over 4m.
Calshot Spit	SU4802	1990	HFG	
Calshot Spit	SU487023	12-Jul-85	RPB	Marine shingle beach above MHW, mobile & stable. L. plent. over 400m in 6 plots, min. of c.770 plants. With notes & associated spp. list.

Calshot Spit	SU488020	12-Jul-85	RPB	See above.
Calshott	SU488022	12-Jul-85	RPB	See above.
Calshot Spit	SU488023	12-Jul-85	RPB	See above.
E end of Calshot Spit	SU489021	02-Oct-97	ERB & CR	
Calshot Spit	SU489024	12-Jul-85	RPB	
Browdown S	SZ5799, SZ5898, SZ5899	1829-2008		
Browdown South South Browdown (Ranges)	SZ577992 SZ581989	01-Aug-97 29-Jun-02	MJS JAN & DRA	4000+ plants. 162 plants, SZ5811298958 – SZ58099895 – SZ58119985, both sides of the concrete strip on the landing area, W of Browdown Battery, not previously seen or recorded this (west) side of the Battery.
South Browdown (Ranges)	SZ581989	04-Oct-05	EJC & DRA	12 seen here, probably many more.
Browdown SSSI	SZ581990	10-May-08	JAN & DRA	SZ5815 9904 (12), SZ5817 9905 (1) & SZ5816 9905 (1). On loose disturbed v. sparsely veget'd shingle, just as it should be to survive here! (These are outliers from a larger colony around the concrete blocks on the Landing Area).
Browdown SSSI, ranges	SZ583988	12-Jun-00	DRA, CRFH et al.	In a limited area, c.100x40m, 16,942 individual plants counted.
Browdown SSSI, ranges	SZ583988	19-May-04	JAN & DRA	SZ5836198881, Locally frequent on shingle. [Not found 2008.]
Browdown Ranges SSSI, SE	SZ584988	02-Jun-07	BSBI	Locally frequent, c.SZ5843 9887. fl & fr. ok. [Not found 2008.]
Browdown Ranges SSSI, E	SZ584989	04-Oct-05	EJC & DRA	Several seen here
Browdown Ranges SSSI, SE	SZ585988	02-Jun-07	BSBI	e.g. SZ5854 9883, 1 seen here, c.50m west of the eastern entrance, very few this far east of the main colony. [Not found 2008.]
Browdown South	SZ585989	31-May-58	AWW & EFW	Browdown, Gosport. Shingle beach. Hb. AWW.
Sinah Common, Hayling	SZ6998, SZ6999, SZ7098, SZ7099	1982-2008		
Hayling Island	SZ692989	04-Jun-88	RPB	Semi-stabilised shingle in shallow trough, etc. Widespread, abundant over 400 x 20m.
Gunner Point, Sinah Common	SZ692990	03-Jul-00	ILR	
Gunner Point, Hayling Island	SZ693989	10-Jul-82	RPB	Shingle beach. Locally plentiful.
Gunner Point, Hayling Island	SZ695988	1986	AB & EN	c.SZ695988. Hayling Island (Gunner Point) on the shingle amongst sea-kale.
Gunner Point, Hayling, Island	SZ695989	17-May-97	EAP	
Gunner Point, Hayling Island	SZ696989	04-Jun-88	RPB	Semi-stabilised shingle in shallow trough etc. 400 plants over 20m.
Hayling Island	SZ697989	02-Jul-08	MBer	A few plants flowering and fruiting on shingle beach to the S of the golf course at SZ69727 98941.
Sinah Common Golf Course, Hayling Island	SZ696991	17-Jul-97	EAP	5 th hole, wartime building.
Sinah Common, Hayling Island	SZ698993	07-May-01	AHP	
Sinah Common, Hayling Island	SZ699991	1980	EAP	S shore of gravel pit 3 plants.
Sinah Common Golf Course, Hayling Island	SZ699994	17-Jul-97	EAP	In wartime building S of road.
Gun Site Car Park Sinah Common, Hayling Island	SZ700994 SZ701991	01-Jul-98 1981	FR	On concrete rubble to N of golf course small quantity.
Sinah Common, Hayling Island	SZ702992	21-Jun-58	AWW	Bushes by golf club house. Source : Hb AWW.
Sinah Common, Hayling Island	SZ702992	1976	AB	On shingle by gravel pit lagoon. Locally plentiful.

Langstone Harbour islands		SU6902, SU6903, SU7003	1966-1997		
South Binness Island, Langstone Harbour	SU698030	Apr-88	CJT	c.155 plants SU698030. Source: South Binness map, 'Ger... forsteri... three visits 26 th April – 25 th May 1988'.	
South Binness Island, Langstone Harbour	SU698031	Apr-88	CJT	c.95 plants SU698031. Source: South Binness map, 'Ger... forsteri... three visits 26 th April – 25 th May 1988'.	
South Binness Island, Langstone Harbour	SU699029	1991	APo	South Binness Total = 89 plants. [In 2 (100m) grid ref's, calculated by DRA] Source: map, 'Distribution of Ger... forsteri) in 1991'.	
South Binness Island, Langstone Harbour	SU699030	1991	APo	Shingle Beach 1 plant.	
South Binness Island, Langstone Harbour	SU700029	Apr-88	CJT	c.160 plants SU700029. Source: South Binness map, 'Ger... forsteri... three visits 26 th April – 25 th May 1988'.	
South Binness Island, Langstone Hbr	SU700030	1992	APo	Total 2700 plants [S. Binness Is. shown]. Source: map, 'Map 5, Distribution of Little Robin (Ger... forsteri) in 1992'.	
South Binness Island, Langstone Harbour	SU700031	1992	APo	See above.	
Long Island, Langstone Harbour	SU703037	26-May-97	Anon	Long Island, 2200 plants on 26 May. Source: map, 'Distribution of Geran... forsteri at Langstone Harbour RSPB Reserve – 1997'.	
Long Island, Langstone Harbour	SU703038	26-May-97	Anon	See above.	
Long Island, Langstone Harbour	SU703039	26-May-97	Anon	See above.	

N Hants: Not Recorded

***Geranium robertianum* L. subsp. *maritimum* (Bab.) H.G. Baker**

**Seaside Herb-robert
1968-2005**

National Status: Unlisted, Scarce, Native

S Hants: Rare

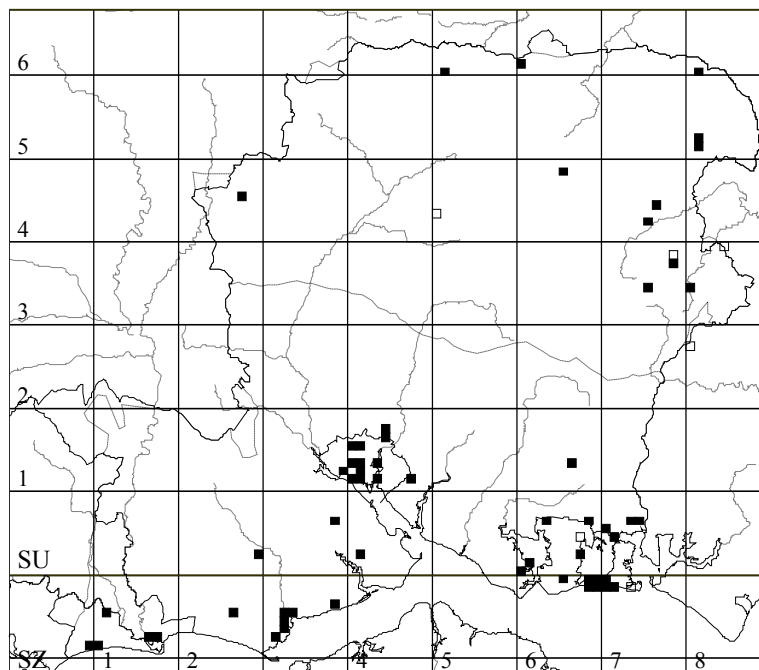
Native

Possibly more widespread than the records indicate, as there are many records of the species from coastal habitat. Two inland records have been discounted.

Cadland	SZ4699	1958-2005		
Stanswood Bay	SZ468995	20-Jun-05	MR & BGo	Back of shingle beach, SZ4684 9957 and elsewhere.

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Recorded in the 1996 *Flora* as "Rare", and "many of the records are probably casuals", but it is now recorded in many more places than were logged in the preparation of that work, and in some of these it is persisting over several years; so a real increase and extension of range may be inferred. In this respect it is behaving like *Erodium moschatum*, perhaps in response to climate change.

N Hants: Scarce

Native

Increasing on road verges or waste ground, usually on dry sandy or chalky soils.

Thruxton Thruxton Race Circuit, S of	SU2745 SU279452	2010 10-Oct-10		At SU2793 4525, several plants.
Field nr. Freefolk Wood, Micheldever	SU5043	1986		
Ecchinswell Ecchinswell, behind Cottismore Nursery	SU5160 SU514601	2004 08-Sep-04	ARGM, SPr, RWi	Single plant at SU5145 6018.
Tadley Tadley	SU6061 SU605618	2008 14-Jun-08	ARGM, WGH	On roadside verge of West Street at SU6054 6182.
Upper Froyle West End Farm, Upper Froyle	SU7542 SU753425	2008 31-May-08	SC	At SU7534 4259, 12 tall robust plants in 7 yard stretch of rank vegetation between public track (known as Colthouse Lane locally) and farm buildings. Including one plant on opposite bank.
West End Farm, Upper Froyle	SU753426	31-May-08	SC	3 at SU7534 4260 on part soil-covered concrete apron in front of farm building next to public track, growing with Small flowered Crane's-bill. Photo confirmed ARGM.
Lower Froyle Lower Froyle	SU7644 SU760442	2009 12-Jun-09	SC	Small patch amongst rank vegetation on roadside near Hadwick's Corner.
Selborne Selborne	SU7534 SU755345	2007 26-May-07	NCa	Small patch on track by Priory Farm.

Kingsley	SU7837, SU7838	1975-2006		
Kingsley, road site	SU780378	23-May-06	ARGM	Locally plentiful beside the road at Kingsley, SU7803 3780.
Kingsley	SU784383	1975	AB	Old railway by stream.
Deadwater Valley	SU8034	2006		
Deadwater Valley LNR, Whitehill	SU8034	13-Jun-06	NM	
Church Crookham	SU8151	2005-2010		
Church Crookham	SU811521	17-May-10	ARGM	A single plant on roadside verge of Chesilton Crescent.
Church Crookham	SU812519	22-Oct-10	ARGM	Still present on roadside at SU8128 5193.
Church Crookham	SU813517	22-Oct-10	ARGM	Still present on roadside at SU8139 5173.
Church Crookham	SU813519	24-Mar-05	ARGM	5 plants on pavement verge beside Aldershot Road
Yateley	SU8160	2004		
Yateley	SU818608	31-Jul-04	ARGM	On graves in churchyard at SU8180 6085.
Frensham Pond Hotel, (just in Hants)	SU8439	1959-1963		

***Gladiolus illyricus* W.D.J. Koch**

**Wild Gladiolus
1856-2010**

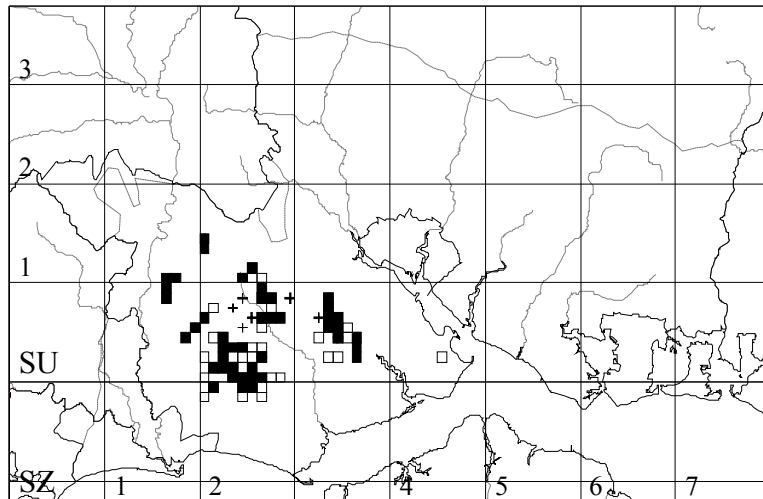
**National Status: Unlisted, Rare, Native
WCA Schedule 8**

S Hants: Not Ranked

Native

Perhaps the most emblematic plant of the New Forest (despite its first British record being in the Isle of Wight). There has been controversy about its native status since its first discovery. One can at least say that it is a fascinating and treasured component of the semi-natural Forest vegetation; and that it is very difficult to envisage an intrinsic dispersal mechanism or commoning practice that would allow its rapid spread to a large number of sites in the past two centuries.

Until 1950 the number of sites from which it was known appears to have been no more than 9 (at least on the published record). Efforts during the 1950s and 1960s to investigate its status and distribution, carried out by an NCC team and a handful of dedicated individuals, raised this total to around 60. In more recent years it appears to be faring badly at many of these sites and to have disappeared from some. Some possible reasons for this are discussed in the 1996 *Flora*, Tubbs (1986) and Stokes in Wigginton (1996). The New Forest Study Group has carried out a rolling census of a few sites each year in recent years. If taken uncritically their records could present an over-optimistic picture of population sizes; most observers have counted flowering spikes or upstanding mature plants around flowering time, whereas the NFSG has surveyed earlier in the year, before the bracken is up, and included small plants from offset corms in its counts. It is unlikely that many of these survive to maturity in undisturbed habitat, and the observation of Jonathan Stokes and of MR is that at best 1% to 3% of the total count gives rise to flowering plants. The extinct commoning practice of cutting bracken for animal litter may have helped, not only by preventing the build-up of litter on site, but by providing a degree of habitat disturbance that was favourable to the diffusion and development of the offsets which is not replicated by recent management practices, including those undertaken for conservation ends.

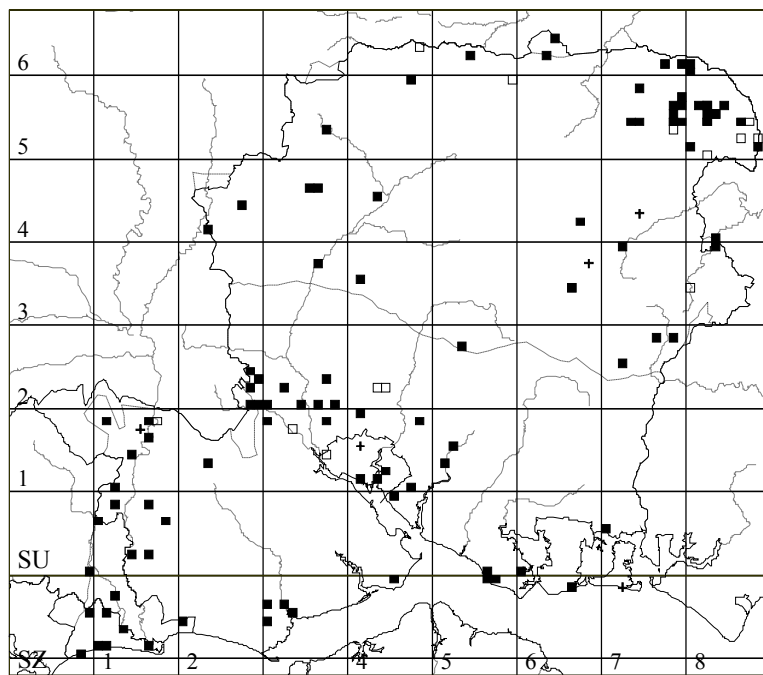


N Hants: Not Recorded

***Glebionis segetum* (L.) Fourr.**

**Corn Marigold
1766-2010**

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Not Ranked

Archaeophyte and Planted

Its distribution as a formerly frequent cornfield weed on the lighter sandy soils is now totally confused by its widespread planting as a constituent of 'wild flower mixes', where it is usually not persistent.

N Hants: Not Ranked

Archaeophyte and Planted

Comparison of our map with the tetrad-level map in the 1996 *Flora* shows that it was formerly much more plentiful on the acidic sandy soils along the northern border with Berkshire and along the eastern border with Surrey. Sadly it has declined rapidly and its native distribution is now corrupted by artificial introductions.

**National Status: Unlisted, Scarce, Native and Alien
WCA Schedule 8****S Hants: Rare**

Alien

No longer deserving the denotation 'Extinct' given in the 1996 *Flora*, but still a casual only. Its Schedule 8 status under the Wildlife and Countryside Act is based on the supposedly native status of a few populations in East Anglia, all but one of which is now lost. However it has been removed from the most recent Red Data List, Cheffings and Farrell (2005), on the basis that its status is highly dubious and that it behaves as a very successful colonising weed in many parts of the world. It is certainly a weedy casual in South Hampshire, and attempts to 'protect' it when it appeared on a building site in Whiteley will have seemed faintly ludicrous to Continental botanists.

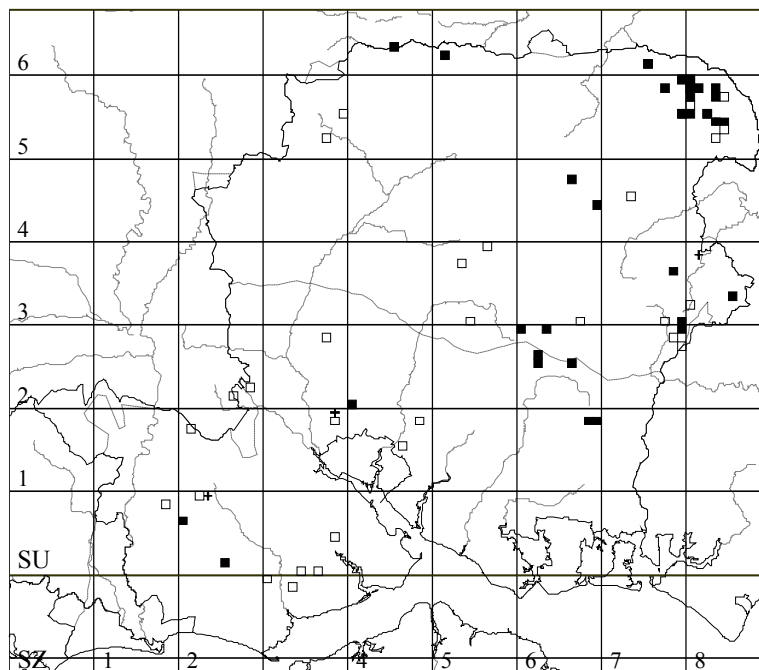
19th century records are from 1846 and 1848 at a site that was placed by Townsend near Fareham, probably in SU50, although the notes for the 1996 *Flora* attribute it to SU20Y; and a record in 1886 from Hayling.

Bournemouth Lower Gardens, Bournemouth	SZ0890 SZ088909	2005 23-Aug-05	FJR	In a few places in shaded flowerbeds often with <i>Urtica urens</i> at c. SZ0880 9096. 10-15 plants in total in a stretch of 70 or so metres.
Ampfield Brentry Container Unit, Ampfield	SU3823 SU382231	2001 29-Apr-01	PAB	Hb PJSe.
Whiteley Gull Coppice area, Whiteley	SU5208 SU526089	2003 19-Aug-03	MR & PJSe	Conf. EJC on 21/8/03.
Whiteley	SU525089	03-Sep-03	BGo & JGo	On disturbed ground, SU5256 0890.

N Hants : Extinct

The only record is for Hurstbourne Tarrant recorded by C B Clarke. Townsend (1883) treated it as an excluded species but accepted the record in his second edition, Townsend (1904). It was originally noted, but with a query, in C B Clarke's 1866 *List of flowering plants of Andover*, only one plant having been found.

National Status: Endangered, Not Scarce, Native



S Hants: Scarce, Declining

Native

Even allowing for the small numbers and sporadic occurrences often recorded, not to mention the possibility of its being overlooked, this is a species that seems to be quietly and mysteriously melting away in recent decades. There are also old records for the Linwood area (SU10Z), Stoney Cross area (SU21K), Beaulieu Heath (SU30K), S of Ashley (SU32Z), the Itchen Valley near Eastleigh (SU41T), Creech Woods area (SU61K), Hyden Wood area (SU61Z); and there are several other tetrads recorded without detail in the 1996 *Flora*.

Ridley Wood area	SU2006	1970-1989		
Ridley Wood	SU200060	05-Sep-70	RPB	W edge. Among heather along track. Locally plentiful.
Little Wood, W of Ridley Wood	SU201066	19-Jul-89	RPB	In turf amongst low Calluna and bracken. Very local, small groups over 1m.
Turf Hill, Nr Godshill	SU2117	1985		
Slufters Pond, Bratley Plain	SU2209	1981		
Mogshade Hill, Bolderwood	SU2309	1951		
Wilverley Plain	SU2501	1988		
Wilverley Plain	SU254014	03-Sep-88	CB	Re seeded lawn.
Melchet Park	SU2621	1966		
Sherfield English	SU2822	1966		
Setley	SZ3099	1986		
Nr Pilley Bailey, Boldre	SZ3398	1976		
Parnholt Wood	SU3728	1968		
North Gate, Beaulieu	SU3804	1965		

Hoe, Rownhams	SU3819	1953-1964		
Great Covert, North Baddesley	SU4020	1999		
Great Covert / Hogtrough Wood	SU409201	22-Mar-99	JRow	
Dummer's Copse, West End	SU4615	1968		
Fair Oak	SU4818	1962		
Brockwood Copse	SU6225	1997-1999		
Around Brockwood Copse, West Meon	SU6225	30-Jul-99	GJ & NJ	
Brockwood Copse, Warnford	SU625256	21-Aug-97	PAB	Very local. c.100 plants.
Brockwood Park	SU6226	2010		
Brockwood Park	SU624263	24-Jul-10	PQ	10 plants, edge of south lawn of Brockwood Park School.
Red Wood, East Meon	SU6625	1989		
Red Wood	SU663255	31-Aug-89	ILR	
Hyden Wood	SU6918	1990-1998		
Hyden Wood East	SU690185	12-Nov-98	JRow	

N Hants : Not Ranked

Native

Mainly associated with areas of quite sparse vegetation on dry heathland, or on well-drained bare woodland rides. Our map demonstrates a significant decline, which is even more evident when compared with the tetrad-level map in the 1996 *Flora*. However, it just fails to qualify as Infrequent, having 23 tetrads with records 1987 onwards.

Groenlandia densa (L.) Fourr.

Opposite-leaved Pondweed
1621-2010

National Status: Vulnerable, Not Scarce, Native

S Hants: Scarce, Declining

Native

Until quite recently this was a species considered so frequent that it was not worth recording detailed locations for it, hence the paucity of site records compared with the tetrads shown on the map in the 1996 *Flora*. While aquatics are notoriously under-recorded by botanists at large, there can be little doubt that this decline is real. MR has seen it vanish from specific sites on the Itchen, and Environment Agency researchers have turned up little on its other former stronghold, the Meon, although they did re-find it in the site where John Goodyer made the first British record. There are records for SU00V (1945-1976), SZ19L (1950), SZ19R (1980), SZ19X (1950), SU10A (1976), SU10C (1977), SU33F (1962), SU33M (1889), SU41N (1991), SU42R (1957-c. 1984), SU42T (1954), SU42Z (1945), SU50N (1845), SU51W (1957), SU52 (1874), SU60X (1990), SU61C (1957), SU61D (1957), SU61E(1952), SU62A (1938-1957), SU62G (1957), and many less well localised earlier records.

Timsbury	SU3523	1963-1975		
Mansbridge	SU4515	1975		
S of Bishopstoke	SU4617	1978		
Bishopstoke	SU4619	1975-1998		
Bishopstoke	SU465195	03-Jul-96	PJSe	Scotter Road Bridge. [Not refound 2009.]
Riverside, Bishopstoke	SU468191	20-Jul-98	PJSe	Below bridge Scotter Rd. [Not refound 2009.]
Brambridge, Itchen Navigation	SU4621	1921-c. 1984		
Brambridge, gravel pits	SU4721	1960		

Twyford Moors area	SU4723	1962-1978		
St Cross, Itchen Navigation	SU4827	1970		
Winchester, River Itchen and Itchen Navigation	SU4828	1945-2009		
Itchen Navigation Nr Tun Bridge	SU483280	17-Jun-09	MR	Rare, W side of canal, SU4837 2809.
R. Itchen Navigation, N of Tun Bridge	SU483281	17-Jun-09	MR	Occasional, W side of canal, SU4837 2810, SU4837 2811, SU4839 2818, SU4839 2819.
Itchen Navigation, Wharf Hill	SU485286	17-Jun-09	MR	3 plants, W side of canal, SU4855 2869.
Itchen Navigation, Winchester	SU4829	1988		
Itchen Navigation, Winchester	SU486290	15-Jul-88	RPB	c.SU486290. Itchen Navigation, The Close. Ponded stream. VL. few plants.
Titchfield Haven	SU5302, SU5303	1844-1988		
Titchfield Haven	SU531028	19-Apr-58	SNHS	Meon, Titchfield Haven. Pools in old gravel pit.
Titchfield Haven	SU532028	22-Jul-88	RPB	SU532028 – 533028. Stream in water meadow. Very local, sparse. [Not refound 2009.]
Titchfield Haven	SU533028	22-Jul-88	RPB	See above
Titchfield Haven	SU535031	1975	RPB	c.SU535031. Stream. [Not refound 2009.]
Titchfield	SU5405	1956		
Droxford	SU6018	1621-2010		
River Meon, Droxford	SU609182	30-Jun-10	NMR	One large patch in river Meon just as one crosses the footbridge over the River Meon to the south of Droxford church. Flowering/fruitletting nicely.
Bedhampton	SU7006	1956-1990		
Mill Stream	SU706061	30-Jun-90	RPB	
Bedhampton	SU706062	30-Jun-90	RPB	Mill stream, Bedhampton. Stream at outfall. Very locally plentiful.

N Hants: Scarce

Native

Formerly much more widespread in rivers, streams, lakes and canals, and requiring clear unpolluted water. The paucity of recent records from the sites listed here is evidence of a continuing decline. In fact there are many additional former sites, where it has not been refound, that are not shown here because they cannot be localised to 1km level.

River Itchen, Kingsworthy	SU4932	1979		
River Dever, Micheldever	SU5139	1977		
River Itchen, Chilland	SU5232	2003		
Chilland	SU522325	11-Oct-03	MR	
Abbotstone	SU5634	1978		
River Itchen, Cheriton Mill	SU5729	1997		
Cheriton Mill	SU579296	03-May-97	VS & AIH	River Itchen.
Tichborne House moat	SU5730	1874-2009		
Tichborne House	SU5730	1874	RAP	In moat at Tichborne House.
Tichborne House moat	SU573304	17-Nov-09	BGoI	A single patch in the west end of the moat. The moat had recently been drained and re-lined – so possibly this is a seed bank relic.
River Loddon, Lance Levy	SU6957	1965		
River Lyde, Hatch	SU6852	1990-2009		
Hatch, near River Lyde	SU681525	10-Dec-09	AJPB	Occasional to dominant along about 25m of the stream amongst Juncus and Equisetum fluviatile.

King's Pond, Alton	SU7239	1889		
Lutcombe Pond	SU7326	1988-2005		
Lutcombe Pond	SU735264	21-Jun-05	JMill	Locally abundant in pond.
Ashford Hangers	SU735265	1988	DBa	Growing in Lutcombe Pond... after the County Council dredged some of it in 1988.
Lutcombe Pond, Ashford Chace	SU736264	1998	DBa	Lutcombe Pond, appeared after dredging.
Basingstoke Canal, North Warnborough	SU7351	1975		
River Whitewater, Hook	SU7354	1978		
Heckfield Place Lake	SU7361	1985		
Basingstoke Canal, Odiham	SU7451	1975		
Basingstoke Canal, Fleet	SU8153	1941		

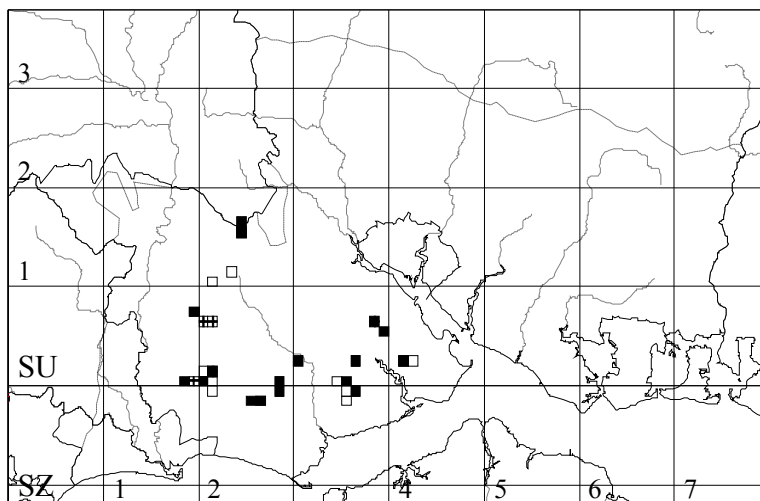
***Gymnadenia borealis* (Druce) R.M. Bateman, Pridgeon & M.W. Chase**
Heath Fragrant-orchid
1955-2010

National Status: Scarce, Native

S Hants: Infrequent

Native

Widely scattered on the New Forest in mires and flushes mostly, but not entirely, with high lime content, and so commonest on the Headon Beds.



N Hants: Not Recorded

***Gymnadenia densiflora* (Wahlenb.) E.G. Camus, Bergon & A. Camus**
Marsh Fragrant-orchid
1930-2010

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

A dwindling plant of valley fens, and occasionally drier grassland, on the chalk, largely on the spring line at its junction with the Reading Beds. There is also a record in the Southwick area (SU60) in 1930.

Martin Down Martin Down	SU0518 SU056186	2009 31-May-09	NJ & RWe	At SU05661868. 'Common fragrant orchid usually flowers in June and we saw plants in bud that appeared to be this species. Marsh fragrant orchid usually flowers in July but we found 2 plants in full flower that appeared to be this species. I photographed these 2 flower spikes and showed the pictures to Prof. Richard Bateman, he confirmed that indeed these were <i>Gymnadenia (conopsea) densiflora</i> . They were growing in a wet seep that had been pointed out to us by the warden.'
South End, Damerham	SU1015	1977		
Sagles Spring, Rockbourne nr. Sagles Spring, Rockbourne	SU1216 SU123166	1977-1987 16-Jul-77	RPB	c.SU123166-7. Fen meadow. Very local. few spikes.
Sagles Spring, Rockbourne	SU126167	16-Jul-77	RPB	See above
Sagle Springs	SU126168	18-Jul-87	MNJ	
Brook, Bossington	SU3328	1953-1962		
Bishops Waltham Moors Bishop's Waltham Moors	SU5616 SU561169	c. 1961-1992 22-Jun-92	FR	9 infls.
The Moors, Bishop's Waltham	SU561169	16-Jul-85	RPB, AOC, EAP & FR	Fen meadow. Very local. c.6 flower spikes.
The Moors, Bishop's Waltham	SU562168	12-Jul-61	AWW	Specimen Bi1986.1.1229 in Hb AWW. 'found in marsh by millpond, SE of Bishops Waltham, Hampshire...'
Rudley Mill, Soberton	SU6212	1954-1959		

N Hants : Scarce

Native

Older records refer to many hundreds of flower spikes at several sites, but the surviving populations are mostly very small and still decreasing.

Stockbridge, North Fen Stockbridge – North Fen	SU3535 SU3535	1985-1989 04-Jul-89	WGH & FR	12 plants.
Stockbridge North Fen	SU358355	1985	IM & FR	N of Stockbridge, in fen.
Bransbury Common	SU4141, SU4242	1979-2004		
Bransbury Common	SU413418	10-Jun-04	BGo & JGo	Several small colonies, including SU4138 4186.
Bransbury Common (central)	SU416418	1986	FR	HBIC record.
Bransbury Common	SU4242	19-Jul-88	EAP, FR & PB	c.30 flower spikes in NW fen, N of river.
Mapledurwell Fen Mapledurwell Fen	SU6752 SU677522	1970-2008 15-Jul-05	PSim	
Mapledurwell Fen	SU677523	08-Jul-08	MN	One at SU6778 5231.
Mapledurwell Fen, Hatch	SU678523	05-Jul-82	FR	In calcareous marsh.
Mapledurwell – East Mapledurwell – East	SU6852 SU6852	1992 04-Jul-92	NAS, KS & FR	10 plants.
Greywell Moors	SU7150	1961-1978		

Greywell Pumping Station	SU7251	1975-2010		
Greywell Pumping Station	SU722514	19-Jul-10	ARGM	29 flower spikes at SU7224 5141, 110 at SU7225 5142, 60 at SU7226 5142 and in next field 51 at SU7229 5144.
Greywell	SU723513	27-Jun-92	ARGM	
Greywell	SU723514	12-Jul-08	DC	About two dozen at Pumping Station and another 6 in the field beyond.
North Warnborough Greens	SU7251	1982		
Longmoor airstrip	SU8031	1964-1980		
Conford Moor	SU8133	1956-1991		
Conford Moor	SU8133	16-Jul-91	FR	1 spike.
Conford	SU818332	1956	RPB	Conford Fen. (Note added: 'still 1985')
Conford Moor	SU819332	21-Jul-56	RPB	Fen bordering alder carr along stream. Local in fair quantity.
Conford Moor	SU819333	23-Jul-74	FR	3 plants.
Holm Hill area, Griggs Green	SU8232	1974		

x *Gymnaglossum jacksonii* (Quirk) Rolfe **Hybrid Fragrant x Frog Orchid**
1911-2000

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Also formerly recorded from Shawford (SU42).

Farley Mount	SU4129	1991-2000		
Farley Mount Country Park	SU418298	21-Jun-00	GLO	
Farley Mount Country Park	SU419293	1991	FR	Comm FR Card from 1991 at 419293.

N Hants: Rare

Native

It occurs rarely where both parents grow on chalk grassland.

Noar Hill, Selborne	SU7431	1975-1994		
Noar Hill, Selborne	SU7431	1975	AB	One plant in late 1970's noted in a management plan appendix, compiled by MO. Recorder uncertain but MO advised ARGM that it was probably seen by AB. [Grid ref. inferred – ARGM].
Noar Hill	SU7431	1994	SP	Record for Noar Hill taken from C. viride sheet in AB's Plant Family Folders, det. FR. [Grid ref. inferred – ARGM].

x *Gymnanacamptis anacamptis* (F.H.Wilms) Asch. & Graebn. **Hybrid Pyramidal x Fragrant Orchid**
1969-1999

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Also recorded in Stace (1975) at Winchester, but the grid reference and even vice-county are unknown.

Beacon Hill, Warnford	SU6022	1999		
Beacon Hill NNR, Warnford	SU6022	23-Jun-99	FR	

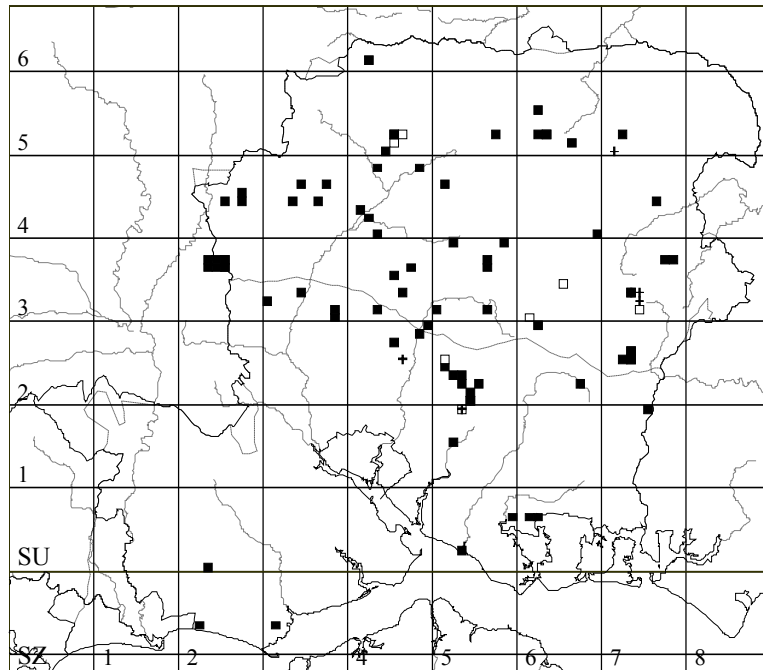
N Hants: Not Recorded

Although not definitely recorded in VC12, ARGM was sent photos of a very likely candidate, found at Noar Hill SU7402 3189 by RPe & MPe on 15 Jul 2008. By the time ARGM saw it, it was going over, and the plant did not flower in 2009 or 2010.

***Helleborus foetidus* L.**

Stinking Hellebore
1765-2010

National Status: Scarce, Native and Introduced



S Hants: Infrequent

Native and Introduced

It must generally be considered an escape from cultivation; however it is long-established in hanger woods, woodland margins and hedgebanks in several places around Upham (SU52), where it may be native.

N Hants: Not Ranked

Native and Introduced

Certainly native in the hanger woodlands in the east of Hampshire and in a few other woods on the central chalk, but many of the other sites are garden escapes.

***Helleborus viridis* L.**

Green Hellebore
1766-2010

National Status: Not Scarce, Native

Native

S Hants: Scarce

Native

Local, and largely on a narrow belt where Upper Chalk meets the Reading Beds. Also recorded in the 19th and early 20th centuries from Beckley, Hinton Admiral (SZ29), and near Morestead (SU52). It appears to be lost from its Otterbourne site and has certainly been destroyed at Corhampton.

Ashridge Copse, Damerham	SU1014	1989-2007		
Ashridge Copse Complex	SU100147	06-Jun-91	ILR	HBIC record. Rare
Ashridge Copse, Damerham	SU101144	26-May-89	DJD	S edge of copse under sycamore, oak, ash, beech. c. 20 plants over 4m.
Ashridge Copse, Damerham	SU101146	1989	DJD	E edge of ride. Transplanted in 2 plots by owner.
Ashridge Copse, Damerham	SU102147	24-Apr-07	DHu	20 in open oak woodland.
Whips Hill Copse, Rockbourne	SU1217	1995-2005		
Whips Hill Copse, Rockbourne	SU123176	15-Mar-05	DHu	3 patches within 30 metres of each other, 50 plants total, 10 sparsely in flower.
Whip's Hill Copse, Rockbourne	SU124176	1995	ILR	On N side of copse. 1 patch.
Whip's Hill Copse	SU125174	19-May-95	ILR	
Hale	SU1719	?1920s-1961		
Lockerley	SU2824	?1920s-2010		
Wooded former chalk pit N of Owls Lodge, Lockerley	SU289244	02-Apr-10	MR & RCR	
Lockerley Area	SU289245	08-Apr-98	RMV	Owls Nest 15 Stems.
Ashley	SU3830	2000		
Ashley Village	SU385309	22-Oct-00	LMar	
Poles Lane, Otterbourne	SU4524	1955-1999		
Silkstead	SU455240	22-Feb-99	BGo & JGo	2 plants in good flower, a few others in vegetative state – much decreased since 1940's.
Little Woodcote, Upham	SU5421	1965-2009		
Little Woodcote	SU548218	27-Mar-99	PJS	Large patches in woodland. Abundant.
Little Woodcote copse	SU549217	04-Jan-03	MR	Abundant.
Copse Nr Little Woodcote Upham	SU549218	08-Mar-09	GCo	200 + plants.
St Clairs Farm, Corhampton	SU5821	1958-1960		
Hall Place, West Meon	SU6423	1848		
Riplington, East Meon	SU6623	?1830s		
Tigwell, East Meon	SU6824	?1860-1999		
Nr Tigwell Farm, East Meon	SU681248	25-Mar-53	RPB.	Hazel coppice on chalk. Very locally plentiful.
Tigwell Copse, Lower Bordean	SU681249	01-Jun-99	GJ & NJ	N end of central ride.
Tigwell Copse, East Meon	SU682249	11-Apr-60	AWW	
The Miscombe, Ditcham Hanger	SU7519	1892-2009		
The Miscombe	SU756197	28-May-09	JMill	HBIC record. Rare.
The Miscombe	SU759195	23-Jan-05	MR	200-250 in an area c. 20m x 15m, W of N-S track to Sunwood Farm, SU7595 1958. In lower part of hanger and flanks of adjacent small pit..

N Hants : Scarce

Native

In deciduous woodland, especially hazel coppice, or on roadside banks that border on woods. The plants at Hale Copse demonstrate how it requires a certain degree of light to thrive. Sadly very few woods are now coppiced or regularly thinned as they used to be. However, the date ranges shown below demonstrate remarkable persistence in some locations. Extra records from HBIC have tipped this just over the limit for 'Scarce' species of ten sites with post-1986 records, but full records are still included.

Malshanger	SU5652, SU5752	1871-1995		
Malshanger	SU5652	1978	AB	
Malshanger Estate	SU5752	11-Mar-75	AB	Hb.AB Specimen Bi2003.24.23.
Wych Hazel Copse, Malshanger	SU573526	13-Jul-95	ILR	HBIC record. [This is evidently where it was recorded by RSH in 1871, given as "Wychhazel Copse, near Malshanger, Basingstoke" – ARGM].
Dick's Copse, Froxfield	SU6726	1990-2009		
Dick's Copse	SU673264	23-Mar-09	GCo	200+ plants.
Dick's Copse Froxfield	SU676265	24-May-90	JRow	
Well Copse & Binstead Hill Wood	SU6740, SU6840	1993-1997		
Well Copse	SU678402	21-Sep-93	JRow	HBIC record.
Binstead Hill Wood	SU682405	21-Sep-93	JRow	HBIC record.
Bentworth Lodge	SU6840	21-Apr-97	FR	Locally frequent.
Hale Copse, Selborne		1987-2007		
Hale Copse, Selborne	SU731320	09-May-07	ARGM	30 plants at SU7318 3203 and 100 more at SU7319 3198, but sadly only one or two had flowered as the copse is now too overgrown. (SP says it was a mass of flowers here around Feb 1987 when the wood was last felled)
Hale Copse	SU733321	16-Aug-89	ILR	HBIC record.
Selborne, N of Selborne, N of	SU7334 SU737347	1766-1998 Mar-98	SP	Single plant about 10ft up the bank of the steep narrow gully that was the old road to Alton in Gilbert White's time. [This is one of the sites referred to by Gilbert White who wrote 'In the stony lane towards Alton' and 'In the deep stony lane on the left hand, just before turning to Norton Farm [at SU738349] and at the...'.] [Not refound ARGM 18 Feb 2009. Much of the gully is very overgrown now].
Lutcombe Bottom	SU7326	1984-2005		
Ashford Hangers	SU735265	1990	DBa	[Early 1990s] 'Alongside the stream in Lutcombe in the early 90's. South-facing but under trees, growing on the upper greensand strata'.
Lutcombe Bottom, Steep	SU736265	1997	FR	
Lutcombe Bottom	SU737264	08-Aug-05	DBa	One plant flowering next to stream.
Empshott Green	SU7430, SU7431	1995-2008		
Empshott Green	SU740309	16-Feb-08	ARGM	Now 20 plants along top of roadside bank SU7404 3096 to SU7405 3097.
Empshott Green	SU741310	1995	DJHo	Near end of bridleway about 4 or 5 yards from road.
Selborne, Dorton	SU7434, SU7534	1766-2004		
Long Lythe, Dorton	SU746341	14-Feb-04	BLa	Middle Dorton, Selborne. 3 clumps only, in flower.
Dorton, Selborne	SU750343	04-Apr-90	FR	3 clumps. [This is one of the sites recorded by Gilbert White who wrote '...and at the top of Middle Dorton under the hedge.']
Wick Hill Hanger & Wick Wood	SU7534, SU7535, SU7635	1979-1988		
Wick Hill Hanger, Selborne	SU753349	1979	APNH	
Wick Hill Hanger	SU755355	12-Feb-88	FR	HBIC record.
Wick Wood	SU760353	04-Jun-86	IM	HBIC record.
Park Hanger	SU7536	1988		
Park Hanger	SU751363	1988	FR	HBIC record.
Payne's Peak Copse, SE of Odiham	SU7548	1960		

Squiresfield Hanger & Homefield Hanger	SU7632	1974-2008		
Homefield Hanger	SU760323	16-Jul-85	HCC	HBIC record.
Squiresfield Hanger, nr Bradshott Hall	SU761321	31-Jan-08	ARGM & WHW	17 plants noticed on the coppiced hazel roadside bank at SU7617 3213 but probably more present as some still pushing through the ground, whilst the first are flowering.
Bradshott Hall, Squiresfield Hanger	SU762321	25-Mar-00	FR	Locally abundant on deep turf on S side of lane, near Bradshott Hall.
Squiresfield Hangar, Selborne	SU762322	07-Apr-08	NM	
Stapely Copse, Odiham	SU7648	1900		

***Herminium monorchis* (L.) R. Br.**

Musk Orchid
1836-2010

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Rare

Native

There are old records from Hursley (SU42) and Wheely Down, Warnford (SU62B). 19th century records from the Twyford Down area are from the **foot** of St Catherine's Hill, near the canal. It could not be refound at Droxford, where the habitat has degraded, in recent years, and appears to have declined at all sites.

Broughton Down	SU2932	2000		
Broughton Down East	SU293327	27-Sep-00	NAS	HBIC record. Occasional
Twyford Down	SU4827, SU4927	1889-2009		
Twyford Down	SU488275	10-Jul-72	DWG	Short turf on chalk down banks 'Dongas' of old pits. Rare, 23 spikes. RPB!
Twyford Down	SU490275	23-Jun-92	RPB	Chalk turf on S face of steep bank by path. 4 seen.
Dongas, Twyford Down	SU490276	11-Jul-02	GJ & NJ	Sketch map provided. 50 at c. SU49092763. Not found 2006.
Twyford Down	SU490276	01-Jul-09	MR, NJ	9 plants near crest on W-facing slope of Donga. 1 fl spike at SU49096 27634, 4 fl spikes, 2 fr spikes and 1 bitten off at SU49094 27637, 1 fl spike at SU49094 27638. 6 plants reported by NJ at SU4909 2764 on 22-Jun-2009.
Dongas, Twyford Down	SU492275	1992	MNJ	
Mayhill Lane, Droxford	SU6017	1984-1987		
Mayhill Lane, Droxford	SU600177	05-Jul-85	RPB	Small area of chalk down N of little road. 8 flg, 7 leaf rosetts in c.1.5 sq m [Back of 1984, J Bacon record card].
Mayhill Down	SU602178	21-Jul-87	ENa	[Grid ref is site centroid.]
Oxenbourne Down	SU7118	1980-1983		
Head Down, Buriton	SU7319	1979-2001		
Buriton	SU736194	26-Jun-01	GJ & NJ	At SU7362 1948.
White Pit Head Down, Buriton	SU736195	1982	FR	c. early 80s VL up to 100 spikes. None in 1998.
Head Down, Buriton	SU737196	1979	MW	Rim of chalk pit. Rare, few plants.
Lime pit, Buriton	SU7320	1980-1983		

N Hants: Rare

Native

It requires pristine, unferilised chalk grassland with a very short sward height. It has been lost from most former sites by ploughing or due to scrub growth, but still thrives at Noar Hill where the number of flower spikes varies enormously from year to year. This must be one of the best remaining British sites for it. An amazing dense clump of 76 spikes in an area of only c.20cm x 15cm was found at SU7415 3190 on 12 July 2006, but with very few there in subsequent years.

Hampshire Gate, Conholt Down	SU3354, SU3454	1981		
Ladle Hill	SU4756	1932-1970		
Wallers Ash Tunnel	SU4936	1964		
Marnel Dell, Basingstoke	SU6354	1940-1955		
White Hill, nr Ellisfield	SU6347	1940-1944		
N of Langrish	SU7024	1850-1918		
Noar Hill	SU7331, SU7431, SU7432	1926-2010		
Noar Hill	SU739319	17-Jul-10	ARGM	26 at SU7399 3191, 33 at SU7398 3191, none at SU7398 3194. (On 12/7/2006 there were 258, 0, and 1 at these spots respectively).
Noar Hill, Selborne	SU7431	12-Jul-06	ARGM & SC et al	Remarkable total of 2,939 spikes counted [in only a fraction of its extent at Noar Hill]. Breakdowns for each 100m x 100m square are entered separately.
Noar Hill	SU740319	17-Jul-10	ARGM	9 at SU7406 3191, 2 at SU7400 3191, 19 at SU7407 3191, 1 at SU7402 3193, none at SU7408 3192. (On 12/7/2006 there were 643, 99, 0, 101, and 106 at these spots respectively).
Noar Hill, Selborne	SU740320	Sep-72	ARGM	
Noar Hill, Selborne	SU741318	11-Aug-07	SC	At SU7416 3188, 7417 3184.
Noar Hill	SU741319	17-Jul-10	ARGM	11 at SU7413 3198, 9 at SU7416 3190, 2 at SU7414 3191, 5 at SU7415 3191, 12 at SU7415 3190, 6 at 7412 3192 and 2 at SU7411 3192. (On 12/7/2006 there were 85, 117, 551, 0, 203, 140 and 101 at these spots respectively).
Noar Hill	SU741320	17-Jul-10	ARGM	17 spikes at SU7413 3203. (On 16/7/2005 there were 15 at this spot).
Selborne S of, Noar Hill	SU742318	28-Jul-07	SC	At SU7423 3188 in Upper Centre Pit.
Noar Hill	SU742319	17-Jul-10	ARGM	11 spikes at SU7427 3194 (where there were 92 on 12/7/2006).
Noar Hill	SU742320	1957	AWW	
Noar Hill HWT Reserve	SU743318	25-Jul-07	ARGM & SC et al	At SU7430 3187, 7431 3186, 7432 3186.
Noar Hill HWT Reserve	SU744318	25-Jul-07	ARGM & SC et al	7 plants at SU7443 3188.
Noar Hill, Selborne	SU745318	25-Jul-07	ARGM & SC et al	4 plants at SU7453 3182.
SE of Wheatham Hill	SU7526	1926		

***Herniaria glabra* L.**

Smooth Rupturewort 1746-1997

National Status: Rare, Native and Introduced

S Hants: Extinct

Probably Introduced

Known only from an 18th-century record from Portsmouth.

N Hants: Rare or Extinct

Introduced

This has only been found at one spot and apparently did not persist.

Riverside Walk, Liss	SU7728, SU7828	1997		
Riverside Walk N of Liss	SU7728	1997	FR	[In July 2002 the site was shown to ARGM by FR, which was actually in the field corner at SU779282, but it could not be refound].
Riverside Railway Walk, Liss	SU780283	1997	JOc et al	[On farmland just W of the] Riverside railway walk, on railway ballast. Specimen in Hb.AB.

Hieracium acuminatum complex**Tall Hawkweed****1945-2005****National Status: Unlisted, Not Scarce, Native**

The name *H. acuminatum* Jord. for this plant, which has been recorded widely in Hampshire, has now been applied strictly by Sell and Murrell to a native species of the Welsh borders. Many of our Hampshire plants will be referable to *H. argillaceum* Jord., and those in the County Herbarium (from six localities) have been redetermined as this; but *H. consociatum* Jord. ex Boreau, *H. aviicola* Jord. ex Boreau and possibly *H. nemophilum* Jord. ex Boreau may occur. Re-examination of plants in the field is desirable.

S Hants: Scarce

Uncertain

Also recorded in the Bournemouth area, at Bouldsbury Down (SU01T), SE of Rockbourne (SU11I), Stockbridge area (SU33M), and Shawford area (SU42S).

West Wellow Common	SU2818	1989		
West Wellow Common	SU283188	26-Jun-89	GHF	Site as Plaitford Common. (Ident. from RCS's key).
Horseshoe Wood, Broughton	SU2833	2003		
SE of Horseshoe Wood, Broughton	SU282332	05-Jul-03	RMV	Several plants, middle of woodland strip, SU2829 3322.
Water Copse Inclosure, Brockenhurst	SU2903	2004		
Water Copse Inclosure, New Forest	SU296036	30-Jun-04	VS	At SU2969 0367.
Slab Lane, West Wellow	SU2919	1999		
Slab Lane, West Wellow	SU290193	15-Jun-99	RMV	1 plant in roadside hedge.
Denny Bog	SU3505	1960-1963		
Twyford Down	SU4927	1992		
Dongas, Twyford Down	SU492275	23-Jun-92	RPB	[Seen] with RCS. Chalk grassland on steep banks by path.
Fort Nelson, Portsdown	SU6007	1986		
Fort Nelson, Ports Down	SU606070	28-Aug-86	RPB	[Recorder assumed]. As <i>H. strumosum</i> . Steep chalk banks outside fort walls. Rec No. 86/240/2. Leaves of <i>H. exotericum</i> ? mixed with it. Expert RCS 13.2.1991.

N Hants: Probably Scarce

Uncertain

The majority of plants previously recorded as *H. acuminatum* Jord. in VC12 are likely to really be *H. argillaceum* Jord. Only those records supported by herbarium specimens that have recently been redetermined as *H. argillaceum* are listed here, and for traceability full details are given irrespective of the record date. It is likely that this species is much more widespread than these records suggest (as only herbarium specimens are noted) and it may persist at some of these locations (e.g. there is a 1999 record for '*H. acuminatum* agg.' at Micheldever Spoil Heaps).

Pen Wood	SU4461	1976		
Pen Wood	SU441616	13-Jun-76	AB	Hb.AB Specimen Bi2003.24.903, on roadside. Initially det. as <i>H. cheriense</i> by PDS, but redet. as <i>H. argillaceum</i> by DJMcC, May 2010.
Micheldever Spoil Heaps	SU5244	1960-1978		
Micheldever Tunnels	SU5244	15-Jul-1960	VL	Hb.AB Specimen Bi2003.24.805, 'Micheldever Tunnels', on chalk, styles yellow. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Grid ref. on sheet of SU5239 inaccurate as well away from railway, presumably SU5244 intended - ARGM].
Popham Tunnel	SU520442	1978	AB	Hb.AB Specimens Bi2003.24.797 & 798, on spoil heaps, styles slightly discoloured. Det. as <i>H. argillaceum</i> by DJMcC May 2010.

Silchester Common Silchester Common	SU6262 SU6162	1969 27-Jun-69	AB	Hb.AB Specimens Bi2003.24.803 & 804, styles darkish. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Grid ref. omitted from specimens, so inferred – ARGM].
Silchester Common	SU6162	27-Jul-69	AB	Hb.AB Specimen Bi2003.24.904. [Grid ref. omitted, so inferred – ARGM]. Initially det. as <i>H. cheriense</i> by PDS & CW 1969, redet. as <i>H. argillaceum</i> by DJMcC May 2010.
Old Basing Old Basing	SU6552 SU659529	1963 14-Jul-63	AWW	Specimen Bi.1986.1.1743 in Hb.AWW, railway bank W of Old Basing. Det. as <i>H. argillaceum</i> by DJMcC, Mar 2010. [The grid ref. marked as SU659519 evidently should be SU659529 – ARGM].
East Tisted East Tisted	SU7031 SU7031	1965 Jun-65	AB	Specimen Bi.2003.24.796 in Hb.AB, railway cutting on chalk, styles yellow. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Grid ref. omitted from specimen, so inferred – ARGM].
Liss Forest Liss Forest	SU7829 SU7829	1997 17-Jun-97	AB	Hb.AB Specimen Bi2003.24.793, at Heather Cottage, Warren Road. Det. as <i>H. argillaceum</i> by DJMcC, May 2010.
Bordon Station Bordon Station	SU7836 SU783362	1972 28-Jun-72	AB, FR et al	Specimens 1972.438.1 & 2 in HCMS, amongst tall grasses at Bordon Station. Specimen det. as <i>H. argillaceum</i> by DJMcC, Mar 2010. [Grid ref. omitted from specimen, so inferred – ARGM].
Kingsley Kingsley	SU7838 SU7838	1967 07-Jul-67	AB	Hb.AB Specimen Bi2003.24.802, styles dark. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Grid ref. omitted from specimen, so inferred – ARGM].
Whitehill Whitehill Chase	SU7934 SU7934	1969 1969	AB	Hb.AB Specimen Bi.2003.24.795. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Another version of record adds 'by A325', grid ref. missing from specimen, so inferred – ARGM].
Liphook St George's Hospital, Liphook	SU8431 SU8431	1967 07-Jul-67	AB	Hb.AB Specimen Bi2003.24.801, styles dark. Det. as <i>H. argillaceum</i> by DJMcC, May 2010. [Grid ref. omitted from specimen, so inferred – ARGM].

***Hieracium calcaricola* (F. Hanb.) Roffey**

Toothed Hawkweed 1892-1998

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

Also recorded from the Hinton Admiral area (SZ29). A number of older records have been redetermined by DJMcC as *Hieracium trichocaulon*, and have consequently been omitted here.

N of Holmsley Station	SU2300	1967		
Clay Hill, Burley	SU2302	1974		
Bratley A31, Bratley	SU2309 SU233096	2003 06-Jul-03	MR	Central reservation, SU2337 0960 (further plants scattered SW from here). Det: DJMcC.

Highland Water Inclosure	SU2409	1987		
Highland Water Inclosure	SU242093	23-Jul-87	JO	Highland Water Inclosure. Ride through wood. Expert: RCS 13.2.1991. [Site name originally as Wootton Coppice Inclosure on record].
Warsash	SU5005	2006		
Warsash Church	SU500055	18-Jun-06	MR & JAN	E end of churchyard. Det: DJMcC.
Sinah Common, Hayling	SZ7099	1984		

N Hants: Rare

Native

There is an 1892 specimen in NMW, det. by DJMcC in Feb 2007, for Sutton Common, but it can only be localised at tetrad level. Four voucher specimens in Hb.AB originally determined as *H. calcaricola* by PDS or CW were all re-determined as *H. trichocaulon* by DJMcC in May 2010. These were from the Whitehill Military Railway, the Basingstoke Canal near Fleet, and Woolmer Road, Bordon. This must cast doubt on the remaining record that is not supported by a specimen.

Hogmoor Inclosure, Bordon	SU7934	1998		
Hogmoor Inclosure, Bordon	SU791344	1998	AB	On path.

Hieracium diaphanum Fr.

Dark-leaved Hawkweed 1927-2010

National Status: Unlisted, Rare, Probably Introduced

S Hants: Rare

Probably Introduced

These records need re-examination, and are best considered for the moment as '*H. diaphanum* agg', although herbarium specimens from the Broughton location have been redetermined by DJMcC as the generally upland *H. diaphanoides*.

Broughton Down	SU2833	1965-1975		
Brockenhurst	SU2902	2004		
Brockenhurst Village	SU296025	11-Jun-04	VS	

N Hants: Rare

Probably Introduced

As stated in the 1996 *Flora*, specimens in BM collected by ESM in 1898 as *H. surrejanum* from various sites around Fleet, including 'A mile or two south of Fleet village' were re-determined by DJMcC in 1990 as closest to *H. diaphanum* although they do not precisely correspond with that species as he understood it. There is still some doubt about the true identity of these plants. In 2010 DJMcC re-determined a 2008 specimen from the Caesar's Camp site as *H. argillaceum*, and a 1995 specimen from Church Road, Fleet initially as *H. severiceps* but then amended to *H. exotericum* agg. In 2011 ARG M sent several specimens to DJMcC from Church Road, Fleet, and from two locations at Caesar's Camp. DJMcC realised that specimens from all three spots were a good match for *H. mammidens* (that he had not been familiar with earlier). However one of the 2011 Church Road specimens matched *H. koehleri*, and another seemed to match *H. sylvularum*, so clearly that population is mixed. DJMcC also pointed out that Marshall's 1898 collection (his No. 2130) had been re-determined by PDS as partly *H. mammidens* and partly *H. anglorum*.

Fleet, Church Road	SU8054	1995		
Fleet, Church Road	SU807545	10-Jun-95	CRH	On sandy roadside bank by the church, c.75 in flower plus non-flowering rosettes and some mown. Also on opposite side from near church to near Lismoyne Hotel, c.90 in flower, SU807545 to SU808545. A specimen sent to AB was named as <i>H. diaphanum</i> . Three specimens were sent to RCS who confirmed one as <i>H. diaphanum</i> , but suspected at least one other taxon was involved, possibly <i>H. severiceps</i> .

Ewshot	SU8149	1960		
Caesar's Camp, nr. Aldershot	SU8350	1987-2010		
Caesar's Camp	SU837502	04-Sep-10	CRH	33 plants, including non-flowering rosettes, at SU8376 5025 on crumbling slope at NE corner of Caesars Camp.
Caesar's Camp, nr. Aldershot	SU837503	1995	CRH	60 plants.
Caesar's Camp, nr. Aldershot	SU838502	1987	CRH	On slopes at NE corner, 20 plants.

***Hieracium eboracense* Pugsley** **Northern Hawkweed**
1962-1998

National Status: Unlisted, Scarce, Endemic

S Hants: Rare

Native

Also recorded from Ganger Common, Romsey (SU32R). None of the records appear to be vouched for. Some sites with only pre-1987 records are detailed to encourage further search.

Upper Hamble	?SU4911	1987		
Upper Hamble Country Park	SU4911	1987	FR	(cf) SU4911 or 5010. .87-88. Upper Hamble CP (not collected)
Sinah Common, Hayling	SZ7099	1975		
Sinah Common, Hayling Island	SZ7099	1975	RPB	

N Hants : Rare

Native

Specimens from both the locations shown, and held in Hb.AB, were determined by PDS.

Whitehill	SU7934	1967		
Cooper's Bridge Farm, Bramshott	SU8333	1975-1998		
Cooper's Bridge Farm, Bramshott	SU837333	1998	AB	Roadside.

***Hieracium grandidens* Dahlst.** **Grand-toothed Hawkweed**
1976-2004

National Status: Unlisted, Scarce, Introduced

S Hants: Not Recorded

N Hants: Rare

Introduced

Specimens from all sites, held in Hb.AB, were originally determined by RCS. The one from Isle of Wight Hill was confirmed by DJMcC in 2010, though he preferred to lump the others within *H. exotericum* agg.

Isle of Wight Hill	SU2437	2004		
Isle of Wight Hill, Nether Wallop	SU247371	09-May-04	MR	Hb.ARGM, HFG meeting, det. RCS Sep 2004.
Ashmansworth, Coles Wood	SU4258	1975		
Basingstoke, Hen Wood	SU6646	1968		
Blackmoor	SU7632	1965		

Hieracium kentii P. D. Sell**Kent's Hawkweed**

1960-2009

National Status: Unlisted, Scarce

Endemic

S Hants: Not Recorded

N Hants : Rare

Perhaps Native

Specimens from all the pre-1977 locations, which are held in Hb.AB, were determined by DJMcC in May 2010. The one from East Woodhay was earlier determined as "an odd form of *H. grandidens*" and is listed under that species in the 1996 *Flora*. The grid reference for that specimen was given as SU4060 but may refer only to the tetrad SU46A.

East Woodhay	SU4060	1976		
Warren Bottom Copse	SU5454	1975		
Silchester Common	SU6262	1969		
The Warren, Hawkley	SU7228	2009		
The Warren, Hawkley	SU729283	28-May-09	ARGM	Specimen Bi.2009.11.135 in Hb.ARGM. Several plants at SU7297 2834 beside path.
Well	SU7646	1960		

Hieracium pollichiae Sch. Bip.**Roffey's Hawkweed**

1963-1970

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

There is a single record on a tetrad recording card (as *H. roffeyanum*) for the Waltham Chase / Curdridge area (SU51M) in 1970; the recorder is uncertain and there appears to be no voucher or independent determination.

N Hants : Rare

Native

Specimens for each site, held in Hb.AB, were initially determined by PDS (as *H. roffeyanum*), and by RCS respectively. The 1963 voucher specimen for Selborne Hanger was confirmed by DJMcC in 2010.

Selborne Hanger	SU7333	1963-1988		
Selborne Hanger	SU7333	1988	AB	Lane up Selborne Hanger, still there. [A version of the original 1963 record, also reported in <i>Watsonia</i> 10: 429, gave the grid ref. as SU734337 - ARGM].
Selborne Hanger	SU734337	1963	AB	Old rocky lane, leading up Selborne Hanger from Wood Lane. Specimen Bi.2003.24.818 in Hb.AB, det. DJMcC May 2010. [Specimen gives grid ref. as only SU7333, extra details from 'Plant Family Folders'].
Hawkley Hurst	SU7530	1969		

Hieracium rigens Jord.**Rigid Hawkweed**

1956-1987

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

There are several records for the Southampton area between 1956 and 1970, mostly expertly determined but none well localised; all but one is now built on. Since specimens in the County Herbarium from Shatterford (SU3505), collected and determined at the same time as the nearby Penny Moor site, have been redetermined by DJMcC as *H. sabaudum*, some doubt must also attach to the Penny Moor population.

Bishops Dyke area	SU3504	1987		
Penny Moor Passage	SU355048	29-Aug-87	RPB	'Penny Moor Passage, Bishop's Dyke. Foot of sandy dyke, by path. Expert: RCS 13.2.1991'.

N Hants: Probably Rare

Native

Specimens from both sites were initially determined by RCS. Vouchers held in Hb.AB for 1960, 1985 and 1986 at the Fleet site, in woods close to the railway, were all confirmed by DJMcC in May 2010.

Basing Forest	SU6455	1986		
Fleet Pond, near to	SU8255	1960-1986		

***Hieracium salticola* P.D. Sell & C. West**

Bluish-leaved Hawkweed
1963-?2006

National Status: Unlisted, Scarce, Native and Introduced

S Hants: Rare or Extinct

Doubtfully Native

Not refound on a recent cursory search, but should be looked for again.

Burton Common	SZ1995	1963		
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N Hants: Rare or Extinct

The single record from the disused railway track at East Tisted is supported by a specimen in Hb.AB that was determined by DJMcC in May 2010.

East Tisted	SU7031	1966		
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***Hieracium scotostictum* Hyl.**

Dappled Hawkweed
1922-2008

National Status: Unlisted, Scarce, Introduced

S Hants: Rare

Introduced

An exceptionally early-flowering species that may be more widespread.

Brangsgore	SZ1897	2007		
Brangsgore	SZ181977	2007	PMa	3 plants in gutter. Material and photographs seen by MR.

Hinton Admiral	SZ2094	1956-1991		
Hinton Admiral	SZ206948	1991	RPB	One plant on railway bridge wall.

Hillier Arboretum	SU3823	1999		
Hillier Arboretum	SU380237	07-Apr-99	RMV	On rock garden.

N Hants: Rare

Introduced

An alien species that Lousley (1976) suggested was probably introduced during the 1914-18 war. At Porton Down several similar *Hieracium* species grow in proximity, leading to possible confusion. A voucher specimen from there in Hb.AB for 2003 was confirmed as *H. scotostictum* by DJMcC in 2010. However, two 1979 specimens from nearby, held in Hb.AB, that were originally determined as *H. scotostictum* by FR, were re-determined as *H. spilophaeum* Jord. ex Boreau by DJMcC in 2010. A voucher specimen from the New Alresford site in 2004 was confirmed as *H. scotostictum* by DJMcC in 2010.

Isle of Wight Hill	SU2437	1969-2008		
Porton Down, Isle of Wight Hill	SU246372	27-Jul-02	BGo & JGo	Along low bank at edge of track.
Porton Down	SU247372	15-Jun-08	ARGM	On raised bank at SU2471 3723.
Porton Down	SU247373	1988	GDF	

North View, Winchester	SU4729	1985		
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Easton Lane, Winnall Easton Lane, Winnall	SU4929, SU4930 SU490299	2004-2008 07-May-04	MR	Estimated about 500 plants growing on the chalk rubble of gabians on the embanked N side of the road.
Winchester, Easton Lane	SU491300	03-Oct-08	DEA	Voucher in BM det. DJMcC. In two places on roadside. Comes into gardens as a nursery weed, but in these sites behaving as an ordinary ruderal.
Winchester, Easton Lane	SU493301	03-Oct-08	DEA	Voucher in BM det. DJMcC. In two places on roadside.
New Alresford New Alresford, Grange Road	SU5832 SU584322	2004 20-May-04	ARGM	On pavement at SU5842 3229.
New Alresford	SU586323	20-May-04	ARGM	Hb.ARGM, 14 plants in pavement cracks at Carpenters Close SU5860 3236 and Grange Road SU5842 3229.

***Hieracium sublepistoides* (Zahn) Druce**

Grey-bracted Hawkweed 1934-2004

National Status: Unlisted, Scarce, Introduced

S Hants: Rare

Introduced

Recorded from near Kings Somborne (SU33R) in 1986; also from S of Winchester in 1934 when determined by Pugsley (as *H. serratifrons* var *lepistoides*), however populations presumed to be from the same area in recent years do not appear to be this.

King's Somborne	SU3530	1982-1985		
Sleepers Hill, Winchester Sleepers Hill, Winchester	SU4628	1988	DEA	One plant on shady roadside Hb BM Det DJMcC.
Ports Down Crooked Walk Lane, Southwick	SU6207 SU623073	1957-1990 28-May-90	RPB	BRC 3-70 (copy). Rec No. 90/148/3. Near Crooked Walk Lane, Ports Down. Chalk grassland slope. Styles pale dingy olive. Expert: RCS 13.2.1991. Conf: DJMcC 2010.
Southwick	SU624073	13-May-57	AWW	Det: DJMcC.
Ports Down	SU6406	1977		

N Hants: Rare

Introduced

Like other *Hieracium* species this is clearly under-recorded in VC12. It may well persist in its former sites, and elsewhere. A specimen in Hb.AWW for 1961 at the Short Lythe, Selborne (originally determined by PDS & CW, 1963) was confirmed by DJMcC in 2010. However he relegated a voucher for the 2004 record at Isle of Wight Hill to *H. exotericum* agg. The other sites are not supported by specimens.

Isle of Wight Hill Isle of Wight Hill, Nether Wallop	SU2437 SU247371	2004 09-May-04	MR	Hb.ARGM, HFG meeting, det. RCS Sep 2004.
East Woodhay	SU4061	1982		
Worthy Down	SU4534	1969		
Stoner Hill	SU7326	1971		
The Warren, lane near	SU7328	1978-1979		
Short Lythe, Selborne	SU7433	1959-1961		

Sheephouse Copse, SU7545 1980
Well

Gravelly Wood, E of SU7746 1970
Well

***Himantoglossum hircinum* (L.) Spreng.**

Lizard Orchid
1884-1993

National Status: Near Threatened, Scarce, Native
UK BAP Priority Species
WCA Schedule 8

S Hants: Extinct

Native

Recorded in the 1920s and 1930s from Hill Farm, Morestead (SU42C), St Catherine's Hill, Winchester (SU42Y) and from near Exton (SU62), all singly or in small numbers and over no more than four years at any site.

N Hants: Rare or Extinct

Native

Full details of the history of this orchid in Hampshire (including records omitted here as they cannot be assigned to 1km squares) are given in the 1996 *Flora*. At most sites there was only a single plant that only persisted for a year or two. An exception was the site in a shallow chalk pit south of Shalden (now filled in) where there is evidence that it persisted for 30 years until the pit became overgrown.

Chilbolton Common SU3839 1993
Chilbolton Common SU386399 1993 JHT
Chilbolton Common SU387399 1993 MNJ

Old Burghclere Lime SU4753 1985-1986
Quarry

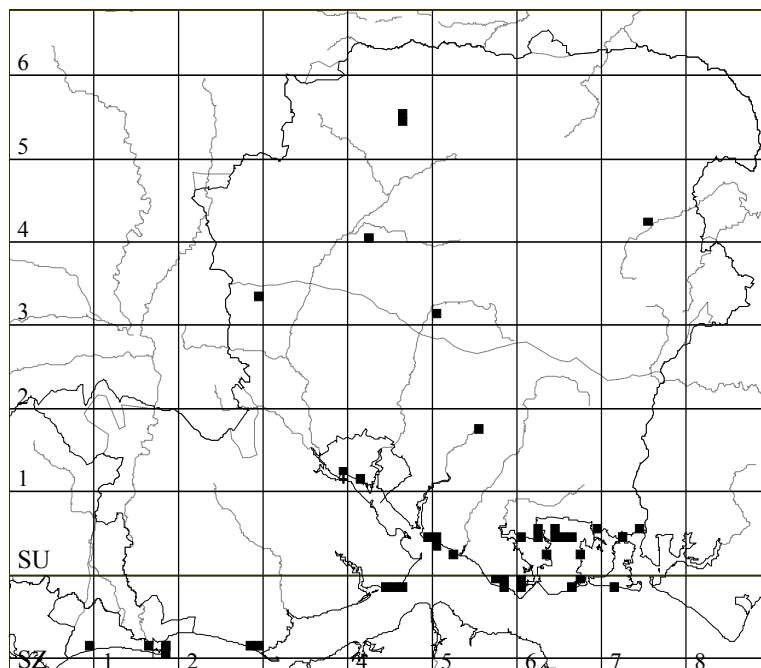
Ropley Dean, nr SU6331 1942
Ropley

Shalden area, Alton SU6941 1925-1955

***Hippophaë rhamnoides* L.**

Sea-buckthorn
1889-2010

National Status: Scarce, Native and Introduced



S Hants: Not Ranked

Neophyte

Frequent on sandy and gravelly substrates on the coast where it is planted or sometimes presumed bird-sown, and regenerates from seed. A rare garden escape inland. Curiously omitted from the 1996 *Flora*.

N Hants: Scarce

Neophyte

Occasionally planted as hedging and can self-seed.

Moodys Down Moodys Down	SU4240 SU428404	2007 06-Feb-07	GCE	Large quantity along field margin within Danger Area of MOD firing range.
Great Litchfield Great Litchfield	SU4654, SU4655 SU463549	2010 15-Sep-10	ARGM	A large male bush at SU4633 5497, E of A34, presumably planted.
Great Litchfield	SU463550	15-Sep-10	ARGM	A huge bush c.4m x 4m at SU4632 5501, E of A34, presumably planted. No berries so a male.
Easton S of Easton Lane, Easton	SU5031 SU508317	2003 26-Jun-03	RMV	Extending SU5088 3179 to SU5094 3180. Hedge across field. Continuous as thick mature hedge for c. 30m, continuing as scattered younger plants.
Upper Froyle Upper Froyle, near R. Wey	SU7542 SU758422	2009 5-Jun-09	ARGM & SC	Three bushes, but evidently planted, at SU7580 4224 beside the fish pond. The largest over 5m high.

Hordelymus europaeus* (L.) Jess. ex Harz*Wood Barley
1666-2005****National Status: Scarce, Native****S Hants: Rare**

Native

The first British record was from west of Petersfield in 1666. It was also noted in 1920 at Ditcham (SU71N); further searches in this area would be desirable. The Hockham population could not be refound in 2005; the site now appears very nitrogen-enriched. The Hursley site has not been revisited recently.

Pillinch Copse, Hursley	SU4026	1969-1974		
Hambledon Hanger Hambledon Hambledon	SU6514, SU6515 SU6514 SU656153	1980-2004 26-Aug-80 06-Aug-04	FR BGo & JGo	Locally abundant. The Hangers, one extensive patch in open woodland, becoming dominated by masses of young <i>Fraxinus</i> , SU65681535.
Little Hanger, W of Glidden Farm	SU657153	1980	APNH	W of Glidden Farm, Hambledon. Chalk wood half a mile W of farm, W of 2 lanes junction. VL abundant.
The Hangers, Hambledon	SU660157	1980	APNH & PHC	1978 – 1980.
Hen Wood, East Meon Hen Wood	SU6522 SU655224	2004-2005 10-Jul-05	HFG	1 clump edge of track, 15m from junction of tracks SU65531 22491.
Hen Wood, East Meon	SU657223	01-Sep-04	MR	11 clumps over an area of c. 3m x 1.5m, on bank to E of valley bottom ride, SU6575 2233. First found by JRow a few days earlier.
Hen Wood, East Meon	SU657223	06-Jul-05	MR & JPol	9 tussocks on bank on NE side of ride at SU6575 2232, becoming overgrown with Bramble etc.
Hen Wood, East Meon	SU657223	10-Jul-05	HFG	SU6574 2232, 7 small clumps/plants, on E bank of main N-S ride.
Hockham, East Meon	SU6720	1961		

N Hants : Extinct

Native

Not refound at any of the former sites listed by Townsend (1904) at Nettlebed, Hurstbourne Hanger, Chawton Park, or Ackender Wood near Alton. The most recent records are specimens in Haslemere Museum from near Bentley Station (presumably Alice Holt Forest) in 1946-1951.

**Old Alresford,
Nettlebed** **SU6035** **1850**

Hordeum marinum Huds.**Sea Barley
1835-2010**

**National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species**

S Hants: Scarce

Native

Noted by Bromfield in the mid 19th century near Lymington, Marchwood and Portchester, and also first recorded on Hayling at that time. Also recorded in the Hengistbury area (SZ19) in 1981, and at Keyhaven (SZ39A) and Lymington / Walhampton (SZ39H) in the 1940s and 1950s. It has been recorded in a number of new spots since the 1996 *Flora* but remains rare and has decreased or gone at several old sites. Farlington Marshes is its local stronghold.

**Oxey Marsh,
Lymington** **SZ3293** **1953**

Dibden Bay **SU4009,
SU4109** **1986-2000**

Dibden Reclaimed Land SU4009 1997 NAS

Dibden Bay (part) SU410097 01-Sep-00 Anon HBIC record.
Dibden Bay SU415092 17-Jul-88 RPB Amongst iron girders on dredged shingle 10m N of hillock. Rare, 6 tufts.

Dibden Bay SU415093 19-Jul-86 RPB Bare dry mud in shallow trench where dredging pipes rested. Rare, 15 plants over 1.8m.

Browdown Ranges **SZ5799,
SZ5899** **1997**

Browdown Ranges SZ577992 01-Aug-97 MJS Browdown south.
Browdown North SZ583996 01-Aug-97 MJS

Haslar Marina **SZ6196** **1997**

Haslar Marina SZ619996 22-Oct-97 MJS, EJC & DWa

Horsea **SU6404** **1993**

Tipner Lake, Horsea Island SU643040 30-Jul-93 DPJS, EJC & RBa Site as: 'Tipner Lake, Tipner'. Small salt marsh. Very local, good population.
Horsea Island Landfill Site SU642045 30-Aug-93 Anon HBIC record.

Eastney **SZ6798** **1999**

Eastney shore SZ674988 08-Jun-99 DRA, EJC & DPJS

Farlington Marshes **SU6704,
SU6803,
SU6804** **1953-2010**

Farlington Marshes SU679041 29-Jul-10 MR & GCo Top of sea-wall, c. 180 plants.

Farlington Marshes SU679042 29-Sep-02 JAN & DRA From SU6799504243 to SU6801704055, on the path behind the sea-wall, c.100m from entrance, frequent.

Farlington Marshes SU679042 21-Aug-05 JAN Still apparently plentiful along edge of grassland, next to coast path.

Farlington Marshes SU680037 29-Jul-10 MR & GCo Top of sea-wall, c. 170 plants.

Farlington Marshes SU680038 29-Jul-10 MR & GCo Top of sea-wall, c. 110 plants.

Farlington Marshes SU680039 29-Jul-10 MR & GCo Top of sea-wall, 2 plants.

Farlington Marshes	SU680040	29-Jul-10	MR & GCo	Top of sea-wall, c. 400 plants.
Farlington Marshes	SU680040	29-Sep-02	JAN & DRA	From SU67995 04243 to SU68017 04055, on the path behind the sea-wall, c.100m from entrance.
Farlington Marshes	SU680041	29-Jul-10	MR & GCo	Top of sea-wall, c. 75 plants.
Farlington Marshes	SU681037	29-Jul-10	MR & GCo	Top of sea-wall, c. 125 plants
Farlington Marshes	SU681039	18-Oct-87	RMV	Near western sea wall.
Farlington Marshes	SU682037	29-Jul-10	MR & GCo	Top of sea-wall, c. 100 plants.
Farlington Marshes	SU683036	29-Jul-10	MR & GCo	Top of sea-wall, c. 75 plants.
Farlington Marshes	SU683037	27-Jun-53	AWW	Specimen Bi1986.1.1498 'found on sea wall, Farlington Marshes, Portsmouth, Hampshire'. (GR as SU 683 067, assume 037 intended – DRA).
Farlington Marshes	SU686034	27-Aug-55	RPB	Bank and top of sea wall. Locally plentiful, quite frequent.
Farlington Marshes	SU685043	01-May-94	NAS	HBIC record.
Farlington Marshes	SU686046	Sep-93	BSBI	Disturbed muddy bare ground in pasture. Locally frequent.
Farlington Marshes	SU687047	18-Oct-87	RMV	At and near road junction on marsh.
Sinah Common, Hayling	SZ6999	1978		
West Town, Hayling	SZ7098	1998-2008		
West Town, Hayling Island	SZ708988	04-Jun-98	JRWH	
West Town Beach, Hayling Island	SZ7098	04-Aug-08	NM	
North Hayling	SU7302	1984		
Sandy Point, Hayling	SZ7498, SZ7598	1992-1998		
Sandy Point NR, Hayling Island	SZ7498	08-Aug-92	FR, PR & PRD	
Nr Lifeboat Station	SZ751984	04-Jun-98	JRWH	

N Hants: Not Recorded

Hottonia palustris L.

**Water-violet
1849-2010**

National Status: Not Scarce, Native and Introduced

S Hants: Scarce

Neophyte

Must be considered a recent arrival in S Hants; either its sites are artificial, or else it has only recently been found in well-known botanical locations.

Whitemoor Pond	SU2702	2002		
White Moor pond	SU277024	08-Jun-02	BGo & JGo	A few vegetative shoots.
Setley Pits	SZ3099	1956-2003		
Setley old marl pits	SZ304994	27-Jul-03	BSBI	
Setley Plain, Brockenhurst	SZ304995	10-Jun-56	RPB	Old gravel pits. Locally abundant, in two adjoining pools. (Conserv. notes on card back.) Hb. RPB Specimen 56/162/1.
Cobblers Corner, Setley	SZ304996	31-Oct-96	MEY	
Valley Park, Knightwood	SU4220	2008		
Balancing pond channel	SU421204	09-Oct-08	DHub	Abundant in drainage channel beneath footbridge.
Bursledon	SU4809	2006		
Bursledon Nature Reserve	SU487092	12-Sep-06	JMill	HBIC record. Rare. A deliberate introduction.

N Hants : Scarce

Native and Neophyte

Just prior to the dredging of the Basingstoke Canal *Hottonia palustris* was particularly abundant in the Fleet to Aldershot section. In 1978 at least hundreds of plants were estimated in each of the 1km squares SU8253, 8353, 8352, 8452 and 8552. Apart from Eelmoor Flash which was dammed, all water was drained during the dry-dredging of this section in 1978/9. At the same time, this and other species were transplanted into the newly dug flashes at Claycart and Rushmoor, but following the dredging the population in the canal itself crashed. There are also records for the Basingstoke Canal in the Odiham area prior to the 1978/9 dredging but it is not certain to which 1km square they refer. There is a long history of records for *Hottonia palustris* at Fleet Pond going back to those given by Townsend (1883). In 1984 the largest colony in shallow water in the woods adjacent to Brookly Stream was threatened by silt-dumping, so plants were rescued and transplanted to various places around the pond perimeter (where there were already some native sites). About ten patches were established a year later; the last died out during the drought summer of 1990, but most were smothered by reeds and other vegetation by then. However, when a ditch was cleared out at Fleet Pond in 2010 it reappeared from buried seed.

Ashford Hill Meadows	SU5662	1985-2009		
Ashford Hill Meadows	SU560622	17-Jun-08	ILR	HBIC record.
Ashford Hill Meadows	SU563621	22-Jun-01	ILR	HBIC record.
Ashford Hill Meadows	SU564620	02-Jun-09	ARGM & WGH	Rather hidden amongst Iris pseudacorus and Carex acutiformis at SU5643 6202, 2-3 metres from pond.
Fleet Pond	SU8154, SU8155, SU8254, SU8255	1932-2010		
Fleet Pond (W)	SU817550	04-Oct-86	CRH	SU8179 5503, introduced site. Rosettes: 600 on 4/10/1986.
Fleet Pond NW	SU817552	08-Jul-85	CRH	A native site. In the small 'flash'. c.150 rosettes but becoming smothered by other emergent species by October and not seen again.
Fleet Pond LNR	SU818547	18-Oct-86	CRH	None could be found on 4 Oct when the ditch carried no water. Two weeks later, and some days after the first rainfall of the month, four small plants were present.
Fleet Pond	SU818548	05-Oct-87	CRH	A native site. In the west ditch, a little N of Brookly Stream. c.350 rosettes.
Fleet Pond	SU818550	05-Oct-87	CRH	Introduced site at Wellington Road reedbed, now declined to 250 rosettes, not refound in 1988.
Fleet Pond S	SU820548	05-Oct-87	CRH	Introduced site at Kenilworth Marsh, now reduced to just seven feeble rosettes.
Fleet Pond	SU822547	08-Jul-85	CRH	SU8225 5476, introduced, 20 rosettes on 8/7/85, 4 on 6/10/85. 0 on 4/10/86.
Fleet Pond	SU822551	1976	JW	HBIC record.
Fleet Pond	SU822553	1988	ARGM	Surviving at this and several other sites around the pond where plants (rescued in 1984) were transplanted from one of the native sites being destroyed during the 1984 dredging of part of the pond.
Fleet Pond	SU823547	06-Oct-85	CRH	SU8233 5478, introduced site, 10 rosettes on 6/10/85, 0 on 4/10/86.
Fleet Pond SE	SU823549	04-Oct-86	CRH	SU8231 5490, introduced site, 220 rosettes on 4/10/86.
Fleet Pond NE	SU823551	04-Oct-86	CRH	SU8232 5514, introduced site below the dry heath, a huge patch established on the edge of the marsh, 9,000 rosettes.
Fleet Pond	SU823552	1984	ARGM	Native here in small quantity.
Fleet Pond	SU824550	06-Oct-85	CRH	SU8245 5509, introduced site, 20 rosettes on 24/4/85, 85 on 6/10/85. 0 on 4/10/86.
Fleet Pond	SU824551	24-Sep-89	CRH	Introduced site on East Marsh, c.250 rosettes with Phragmites encroaching. By 12 Jul 1990 two patches of c.50 rosettes each. Not seen again.
Fleet Pond	SU825549	22-Oct-10	CRH	Six rosettes in Coldstream Ditch at SU8254 5493 (which had been cleared by rangers early in 2010). This was one of the 1984 introduction sites, but it did not survive long at that time.

Foxlease		SU8256, SU8356		1968-2009	
Foxlease Meadows	SU821568	May-83	ARGM		
Foxlease Brook	SU822568	21-Jul-05	CRH	Large patches in several places and very locally dominant where brook not too shaded, e.g. SU8226 5687.	
Foxlease Meadows	SU822569	12-Aug-85	CRH	Plentiful along stream.	
Foxlease Brook	SU823569	21-Jul-05	CRH	Large patches in several places and very locally dominant where brook not too shaded, e.g. SU8233 5692, SU8236 5694.	
Foxlease Meadows	SU824569	19-Jun-98	CRH	Plentiful along Foxlease Brook c.SU825569½ to SU824½569½.	
Foxlease Meadows	SU825569	19-Jun-98	CRH	Plentiful along Foxlease Brook c.SU825569½ to SU824½569½.	
Foxlease Brook	SU826568	21-Jul-05	CRH	Large patches in several places and very locally dominant where brook not too shaded, e.g. SU8269 5689.	
Foxlease Meadows	SU826569	19-Jun-98	CRH	More or less continuous for 300m along Foxlease Brook c.SU829½568½ to SU826½569½.	
Foxlease Meadows	SU827567	27-May-97	CRH	More or less dominant along main ditch c.SU827569 to SU824½569½.	
Foxlease Meadows	SU828568	1978	ARGM		
Foxlease Meadows	SU829568	13-May-08	CRH	Small patch at SU8296 5684 in ditch on south side of the eastern mire.	
Foxlease Meadows	SU830565	04-Jun-09	ARGM	Plentiful all round pond, e.g. SU8305 5658 at south-west, SU8306 5658 at south-east and SU8306 5659 at east side.	
Foxlease Meadows	SU830566	04-Jun-09	ARGM	Plentiful all round the pond, e.g. SU8305 5661 at northern end.	
Basingstoke Canal, Pondtail to Miles Hill		SU8253, SU8353, SU8352		1976-1992	
Basingstoke Canal, Pondtail	SU823537	1983	ARGM	Some plants transplanted back here in 1979 (where it was abundant before the 1978/9 dredging) were seen at SU823½537 in 1983.	
Basingstoke Canal, W of Eelmoor	SU8352	1978	ARGM	At least hundreds of plants in this 1km square just prior to 1978/9 dredging.	
Basingstoke Canal, Miles Hill	SU836531	15-Aug-92	CRH	Sometimes temporarily established in a shallowly flooded offside bay here in small numbers. Two rosettes on 15 Aug 1992, but 30 there on 19 Aug 1990.	
Basingstoke Canal, Eelmoor to Claycart		SU8452, SU8552		1974-2009	
Eelmoor Flash	SU841528	28-Oct-09	CRH	Amongst Sparganium swamp, patches through c.5m x 4m area at SU8417 5283, but becoming choked by abundant to locally dominant <i>Crassula helmsii</i> . Also c.25 rosettes in Sparganium swamp at SU8418 5282.	
Eelmoor Flash, Basingstoke Canal	SU842527	25-Sep-08	CRH	Very locally at SU8424 5279 amongst <i>Glyceria</i> swamp on east side of flash.	
Eelmoor Flash	SU842528	15-Aug-92	CRH	In most pools on south margin of flash where scrub has been cleared back, often dominant in shallow water and covering wet mud. This was the location of most plants at this flash prior to clearance of the adjacent conifer plantation.	
Basingstoke Canal, Puckridge	SU846528	23-Sep-88	CRH	Canal margins of Puckridge Flash, 80 plants.	
Basingstoke Canal, Puckridge Hill	SU850529	16-May-76	ARGM		
Basingstoke Canal, Claycart Flash	SU851526	03-Aug-05	FJR	SU8518 5267, in dried up pool amongst enveloping mat of <i>Crassula helmsii</i> .	
Basingstoke Canal, Claycart Flash	SU851527	25-Aug-92	CRH	Several small groups in the bays, where margins not overhung by bramble, including in the small bay by the mouth of Claycart Stream and the west end, c.851527 / SU852526½. Not refound on 19 Sep 2008.	
Nr Claycart Hill, N of Rushmoor Arena	SU854524	05-Jul-04	CRH	SU85415249. 40+ rosettes in shallow water, E side of restored Claycart Hill Flash.	
Nr Claycart Hill, N of Rushmoor Arena	SU854525	10-Sep-03	CRH	c.180 plants at c.SU854525. Claycart Hill Flash, very localized, 2 patches of c.100 & c.80 rosettes.	
Claycart Hill Wood	SU855523	14-Aug-98	ILR	HBIC record.	

Basingstoke Canal, Rushmoor to Aldershot	SU8552, SU8652	1973-2008		
Rushmoor Flash	SU855522	04-Aug-08	CRH	Frequent patches in the open water of the flash at SU8556 5227.
Rushmoor Flash	SU855523	06-Aug-04	ILR	HBIC record. At SU8555 5230.
Basingstoke Canal, Rushmoor area	SU855525	1983	ARGM	
Rushmoor Flash	SU856522	28-Jun-04	CRH	Locally plentiful in open water of Rushmoor Flash, also very locally plentiful on mud.
Little Rushmoor Flash	SU858522	04-Sep-97	CRH	Much decreased since 1986, but still small patches on mud following scrub clearance in offside wet woodland (not the canal channel) beside the canal west of Wharf Bridge. Shaded out by 2004.
Basingstoke Canal, W of Wharf Bridge	SU860522	1978	ARGM	Colony here prior to 1978/9 dredging.
Lakeside Park	SU8851	2000-2004		
Lakeside Park	SU887515	19-Aug-00	CRH	c.SU887515, several patches, Lakeside Park, Hampshire part.
Lakeside Park (Hampshire)	SU887516	01-Jun-04	CRH	SU8873 5160. Very locally abundant with <i>Crassula helmsii</i> on pond margin in Hampshire part of Lakeside Park, south bay of central pond.
Fishing lakes, North Camp	SU8853	1980-1991		
North Camp Lake	SU885530	17-Oct-88	CRH	One small patch at south end.
Fishing lakes, North Camp	SU885535	12-Jul-91	CRH	Locally plentiful, seven colonies scattered around the lake in shallow bays.
Fishing lakes, North Camp	SU885536	22-Apr-86	CRH	Thriving on lake margins, about a dozen colonies, also free-floating plants.

***Hydrocharis morsus-ranae* L.**

Frogbit
1799-2009

National Status: Vulnerable, Not Scarce, Native and Introduced

S Hunts: Scarce

Native and Introduced

Considered native in the Avon Valley and possibly at Titchfield Haven (see detail below), but elsewhere an introduction, sometimes blatantly so.

Sopley	SZ1497, SZ1597	1799-2009		
Avon Valley, E of Hurn	SZ1497	28-Jul-62	RPB	Drain in water meadow. Very locally frequent, plentiful. (Not seen again 1988-91.)
Jockstrill Common, Sopley	SZ151972	27-Aug-86	HCC	GR as: 40/151 972/3. Open water in drain at edge of old water meadow.
Jockstrill Common, Sopley	SZ151973	26-Aug-09	MR & GCo	Locally abundant, W boundary ditch, SZ1518 9732. Associates of <i>Oenanthe fistulosa</i> .
Jockstrill Common, Sopley	SZ152971	29-Jul-95	RPB	Newly cut drain channel in wet grassland. Very local, dense 2.5 x 1.5m patch.
Jockstrill Common, Sopley	SZ153971	19-Aug-95	RPB	Newly cut drain channel in wet grassland. Very local, one isolated patch.
Goatspen Plain	SU2201	2000		
Goatspen Plain	SU227014	07-Jul-00	VS	
Sowley Pond	SZ3796	1953		
Millers Pond, Sholing	SU4510	1983		

Titchfield Haven	SU5302, SU5303, SU5403	1998-2005		
Titchfield Haven NNR	SU536026	08-Aug-05	DRA, JAN & EJC	Wet ditch, by bridge, frequent in patch of c.6 x 1m, & D. in patch c.2 x 1.5m.
Titchfield Haven NNR (E)	SU537027	11-Aug-98	JAN	First record for SU50. In ditch on eastern meadows. The warden (Barry Duffin) later reported it plentiful in several ditches/dykes on eastern part of reserve. Appears to have colonised naturally. May have been long overlooked or re-appeared following management.
Titchfield Haven NNR (E)	SU537027	08-Aug-05	DRA, JAN & EJC	SU53710272 & elsewhere. Wet ditch, frequent in patch of c.8 x 1m & 5 small clumps of c.40cm diam.
Lower Titchfield Haven (NNR)	SU537030	11-Aug-98	JAN	(Noted on back of map.)
Titchfield Haven NNR (E)	SU540032	08-Aug-05	JAN, DRA & EJC	SU5406 0325, patch c.1m x 0.5m in the dyke.
Langstone Harbour	SU6805	1990		
Langstone Harbour	SU686052	1990	GFa	Plants from Basingstoke Canal.

N Hants: Scarce

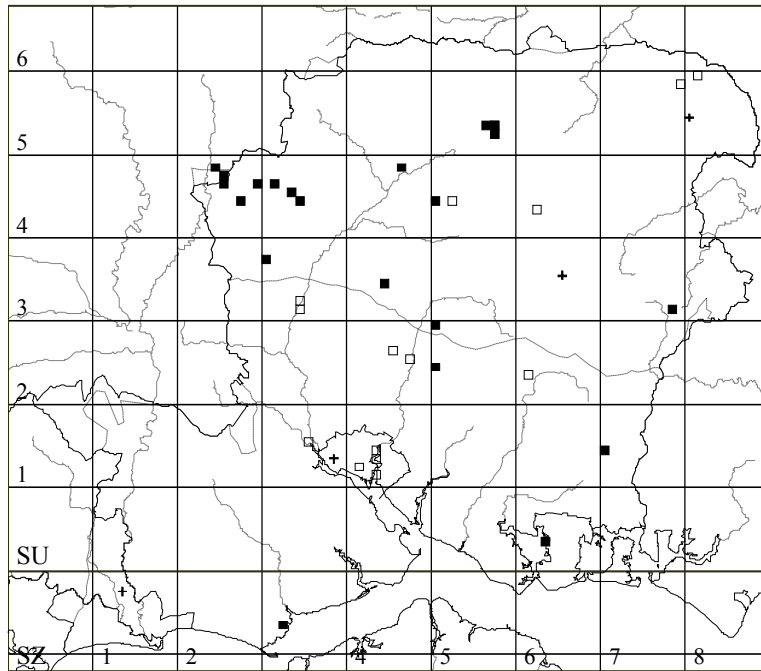
Native and Introduced

The records show that it was formerly abundant in almost every 1km square of the Basingstoke Canal but it underwent a dramatic population crash following the restoration of the canal for boating. It is also lost from Fleet Pond due to deterioration in the water quality. In 1976 the water was wonderfully clear but became opaque in the early 1980s.

Shortheath Pond	SU7736	2002-2007		
Shortheath Pond	SU775368	12-Aug-02	BGo & JGo	On W side of pond, in shallow water.
Shortheath Pond	SU775368	04-Sep-07	ILR	Single plant.
Kingsley Pond	SU7838	1962		
Fleet Pond	SU8154, SU8155, SU8254, SU8255	1984-1987		
Fleet Pond	SU8155	1984	CRH	Small numbers in several places around margins of Fleet Pond. (Last seen at Fleet Pond in 1987).
Fleet Pond	SU819548	24-Jun-87	CRH	Small numbers in a new channel (not flowing) dug in 1985 in marsh just south of Brookly Stream, with Lemna trisulca and Riccia fluitans.
Fleet Pond	SU8254	1985	ARGM	Between 10 and 100 plants estimated in this 1km square.
Fleet Pond	SU8255	1985	ARGM	Between 10 and 100 plants estimated in this 1km square.
Oakley Pond, Fleet	SU8154	1992-2004		
Oakley Pond, Fleet	SU815541	21-Sep-04	CRH	SU8152 5411, thriving and locally abundant. Introduced CRH 19 Jul 1992 when the pond was restored, using plants in cultivation that had originally been collected from the canal at Pondtail when it was plentiful there. Not refound Jun 2008, but its appearances are sporadic.
Velmead School, Fleet	SU8253	1992		
Velmead School, Fleet	SU820535	1992	CRH	School pond. Introduction from canal material.
Stroud's Pond, Yateley Common	SU8359	1985-1986		
Basingstoke Canal, Greywell to North Warnborough	SU7151, SU7251, SU7351	1966-1973		
Basingstoke Canal, Colt Hill to Broad Oak	SU7451, SU7552	1966-1973		

Basingstoke Canal, Crookham	SU7951, SU7952, SU8052	1978-1986			
Basingstoke Canal, Fleet	SU8053, SU8153	1977-1988			
Basingstoke Canal, Fleet	SU804530	18-Aug-86	CRH	Small numbers amongst towpath bank emergents.	
Basingstoke Canal, Fleet	SU804535	18-Aug-86	CRH	In small numbers at several locations between Fox and Hounds Pub and Reading Road, e.g. SU804534 and SU807535½. Not seen since in SU8053.	
Basingstoke Canal, Fleet	SU8153	1988	CRH	A good number of sites in 1986, especially Reading Road to Pondtail, but a massive decline noted in 1988.	
Basingstoke Canal, Fleet	SU816535	23-Sep-88	CRH	Persisting amongst <i>Glyceria maxima</i> at c.SU816535½, near Fairland Close. Not seen in SU8153 since.	
Basingstoke Canal, Pondtail to Miles Hill	SU8253, SU8353, SU8352	1966-1992			
Basingstoke Canal, Pondtail	SU821537	17-Aug-92	CRH	A single plant among emergents west of Pondtail Bridge. Not refound at Pondtail Flash. None refound 1993.	
Pondtail Flash	SU823537	24-Aug-91	CRH	Two plants on margin of flash. Not seen in canal channel at Pondtail.	
Basingstoke Canal, W of Eelmoor	SU8352	1985	ARGM	1 to 10 plants estimated in this 1km square.	
Basingstoke Canal, SE of Norris Bridge	SU833536	21-Aug-86	CRH	Scattered small groups in six places c.SU833536 to SU836532.	
Near Basingstoke Canal, Eelmoor	SU837530	21-Aug-86	CRH	On offside of canal in shallowly flooded wet woodland below Windy Gap.	
Basingstoke Canal, Eelmoor to Claycart	SU8452, SU8552	1978-1990			
Basingstoke Canal, Eelmoor	SU842528	21-Aug-86	CRH	Present in small numbers in canal margin opposite Eelmoor Flash, and on fringes of wet woodland at back of flash.	
Claycart Flash	SU851526	19-Aug-90	CRH	A single patch.	
Basingstoke Canal, Rushmoor to Aldershot	SU8552, SU8652	1977-1992			
Rushmoor Flash	SU856522	23-Aug-92	CRH	One plant on east margin of flash.	
Basingstoke Canal, Aldershot	SU8652	1977	HWT	West of Ash Lock through the military town, abundant.	
Basingstoke Canal, Aldershot to Ash Lock	SU8752, SU8851	1966-1986			

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Scarce

Archaeophyte

Mostly in arable and waste ground and rarely persistent more than a year or two, although formerly recorded on coastal shingle and once 'frequent' on chalk downland at Longwood Warren (SU52). Also formerly recorded in the Damerham / Rockbourne area (SU11D), Pennington / Lymington area (SZ39C), Romsey (SU32), Michelmersh area (SU32N), Kings Somborne (SU33), Hamble / Warsash area (SU40Y), Portsea Island (SU60K) and Brockhampton (SU70D).

Hurn Station, Hurn	SZ1397	1956		
Oxey Marsh, Lymington	SZ3293	1988-1989		
Oxey Marsh	SZ3293	01-Sep-89	MEY	Mound behind sea wall 1 flowering + 1 young plant.
Houghton	SU3431	1977		
Nursling Gravel Pit	SU3515	1980		
Millbrook, Southampton	SU3813	1950		
Southampton	SU4112	1972		
Southampton, Itchen Toll Bridge	SU4311	1978		
Bitterne Manor	SU4313	1960		
Portswood / Bitterne Park area	SU4314	1957		
Port Lane, Oliver's Battery	SU4526	1970		
Shawford	SU4725	1960-1964		

Owslebury	SU5024	2002-2007		
Owslebury	SU505243	23-May-02	BGo & JGo	In overgrown set-aside.
Downstead House, Owslebury	SU507248	03-Jun-07	PM	2 tall flo. plants in field margin with many flo. Italian Figwort on S. side of road at SU 5078 2435.
Downstead House, Owslebury	SU508243	25-May-02	PJSe	Four tall plants among thousands of Scrophularia scopolii in farm yard area.
Wheely Down	SU6123	1984		
Tipner	SU6303	2008		
Tipner Ranges	SU639035	Aug-08	IMu	
Catherington, Horndean	SU7014	1990		
Catherington Lith	SU702140	23-May-90	JOc	

N Hants: Infrequent

Archaeophyte

Found on disturbed or bare soil such as unsprayed arable ground. Most records are from the central chalk belt.

***Hypericum montanum* L.**

Pale St John's-wort
?1848-2002

National Status: Near Threatened, Not Scarce, Native

S Hants: Extinct

Native

There are confirmed records at Whitsbury Wood (SU11J) in 1960, refound by FR in 1973 and last recorded in 1978, and at Old Winchester Hill (SU62K) in 1951, where it should be sought again. Townsend also records an 1870 record by Groves at Kings Somborne (SU33). All other records are considered dubious in the absence of vouchers.

N Hants: Scarce

Native

Along a few wood borders or in coppiced woods, on chalky soil. It has been lost from some sites due to the lack of regular coppice management, leading to competing undergrowth and low light levels. Unless its former sites are coppiced it is only likely to survive along the woodland edge.

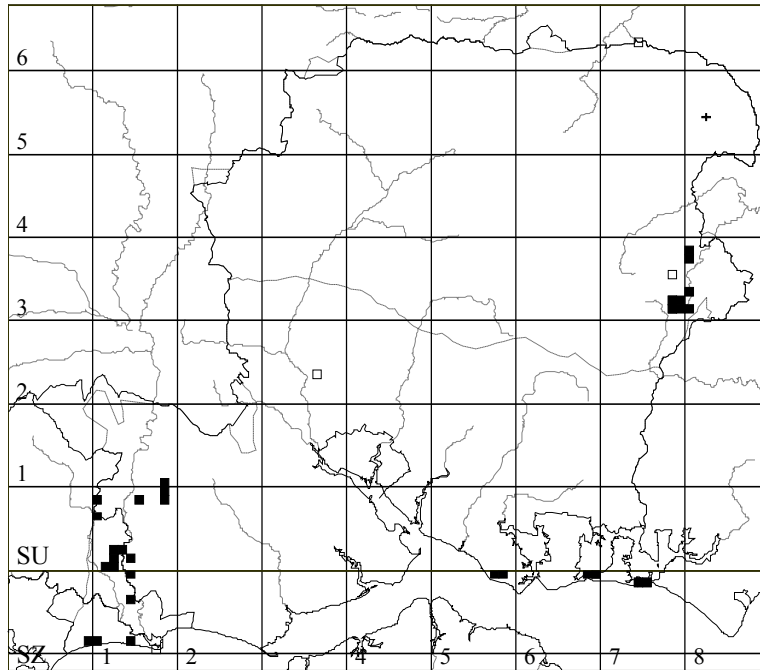
Brockley Warren	SU4136	1981		
Litchfield area	SU4553	1992		
Litchfield area	SU4553	1992	WMK	Road verge near Litchfield. [ARGM searched unsuccessfully for it on 31 Jul 2009].
Old Burghclere, disused railway	SU4758	1975		
Marnell Dell	SU6354	1959-1962		
Highnam Copse, Froyle	SU7445	1951-1995		
Highnam Copse	SU749451	25-Aug-95	CRH	One at edge of glade. [On a later search CRH was unable to refind it, and the unmanaged glade was closing]
Highnam Copse, Lower Froyle	SU749452	1951	CL	
Sheephouse Copse, Well	SU7545	1980		
Gravelly Wood, Well	SU7746	1970-2002		
Wood E of Well	SU774464	10-Sep-02	BGo & JGo	Along northern boundary of wood, SU7748 4645.
Gravelly Wood, Well	SU775464	26-Jul-98	ARGM	
Gavelly Wood, nr Well	SU776465	18-Sep-97	ARGM & DBr	SU776465 – SU775464. About 20 flower spikes over 270 yards scattered along woodland edge, SW of Montgomery's Farm.

Lee Wood, Crondall SU7847 1959-1997
 Lee Wood, Crondall SU787474 29-Jul-97 FR Hb.AB Specimen Bi2003.24.151, 4 plants in wood.
 [Full date from FR's notebooks]

***Hypochaeris glabra* L.**

Smooth Cat's-ear
1847-2010

National Status: Vulnerable, Not Scarce, Native



S Hants: Infrequent

Native

Restricted to the coast and Avon Valley catchment where it is characteristic of parched acid grasslands and open vegetation over sands and gravels. The source of the tetrad records in the Lymington / Keyhaven area in the 1996 *Flora* is not known, but it should be sought there. Several more sites have been found in the Avon Valley area in recent years.

N Hants: Scarce

Native

On dry, bare sandy places, mainly on the Lower Greensand heaths in the Woolmer Forest and Longmoor area. Apart from a record in 1938 for a sandy field at the east end of Fleet Pond (when it was found growing with *Arnoseris minima*, now nationally extinct) it is surprising that we have no records for it on the heathland around Fleet and Aldershot. It may be overlooked there.

Riseley Ford, Riseley SU7463 1957

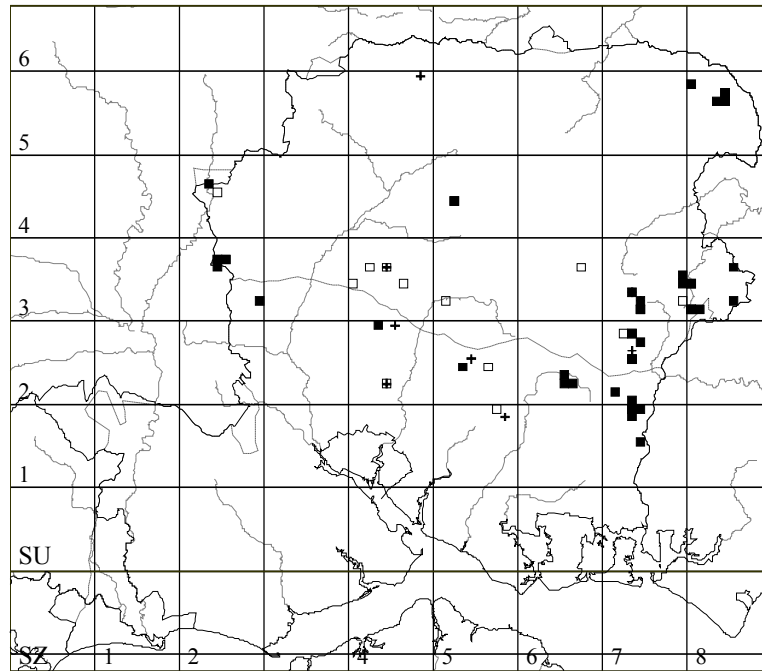
Blackmoor Park, Blackmoor SU7832 1964

Woolmer Road SU7831 1970-2007

Woolmer Link Road, Greatham SU784317 01-Jun-00 NAS Frequent with *Viola tricolor*. Parched acid grassland (NVC: U1c) developed on recently constructed road verge.
 Woolmer Road SU789313 12-Jul-07 JMil HBIC record. On triangular area above Woolmer Road.
 Woolmer Road, Greatham SU789314 1992 FR 'Sandy ground, in plenty, with *Hypoc. glab.* and *Teesdalia*' [Comment on *Vulpia cil. amb.* record (card)]
 Woolmer Road SU7831 06-Aug-93 FR et al

Hogmoor Road, W of SU7835 1968

Woolmer Pond area	SU7831, SU7832, SU7932	1964-2010		
Woolmer Pond and heath to East	SU7831	01-Sep-83	FR	Scrubby heath.
Woolmer Pond	SU788318	24-Sep-00	ARGM	c.20 plants on sandy bank at SU7885 3182, conf. EJC.
Woolmer, South of Kennels	SU7832	02-Jul-93	RW & FR	S of, and by permanent track.
Woolmer Forest: railway	SU787324	1964	AB	In cutting (since overgrown).
Woolmer Forest	SU788327	18-Jun-10	ARGM	One plant beside main track at SU7883 3275.
Woolmer Forest	SU789323	18-Jun-10	ARGM	Single plants at SU7895 3239 and SU7891 3237 in an area dominated by lichens. No doubt many more could be found with a proper search.
Woolmer Forest	SU789324	18-Jun-10	ARGM	33 plants in this 100m square, in an area dominated by lichens. 25 at SU7895 3244, 4 at SU7895 3246, 1 at SU7895 3244 and 3 at SU7895 3242.
Woolmer Forest	SU789328	1992	AB	1980-92. Near Woolmer railway, on disturbed soil.
N of Woolmer Pond	SU789324	21-Sep-03	MR et al	3 plants at SU7898 3241.
Cottage				
Cranmer Bottom	SU7932	24-Sep-00	BGo & JGo	On sides of sandy track NE of Woolmer Pond.
Longmoor Ranges	SU7931	1988-1992		
Woolmer Forest	SU797313	1992	FR	N of new A3.
Longmoor Ranges, Longmoor Camp	SU798313	1988	FR	Longmoor Camp, land N of, N of B2131.
Woolmer Forest, Round Hill	SU8033	1993		
Woolmer Forest, Round Hill	SU801336	1993	FR	On sandy hill.
NE of Longmoor Camp	SU8031	1988		
Woolmer, NE of Longmoor Camp	SU805317	21-May-88	FR	Locally abundant.
Broxhead Common, East	SU8037	2007		
Broxhead Common, East	SU806374	04-Jul-07	ILR	HBIC record.
Bordon Sand Pit, Sleaford	SU8038	1998-2004		
Bordon Sand Pit, Sleaford, nr Trottsford Farm	SU806384	28-Jul-04	ARGM	Very few plants at SU8067 3846 and SU8067 3841.
Trottsford Farm, Sleaford	SU807385	1998	FR	
Fleet Pond, E end of	SU8254	1938		

Hypopitys monotropa* Crantz*Yellow Bird's-nest
1620-2010****National Status: Endangered, Not Scarce, Native
NERC S41
UK BAP Priority Species****S Hants: Infrequent**

Native

Its decline appears to be continuing even since the 1996 *Flora*, for reasons that are not always apparent on the ground, but with a remaining stronghold on the South Downs. There are many historical records not well localised. The populations near Longwood House could not be refound in 2008.

N Hants: Infrequent, Declining

Native

Colonies either occur in leafmould beneath beech trees on the chalk, or beneath pines and *Salix* species on more acidic sandy soils. As noted by Jones (2008), studies by Leake et al (2004) have shown that *H. monotropa* grows in association with mycorrhizal fungi in the genus *Tricholoma*. Most VC12 sites checked have been subsp. *hypophegea*, though subsp. *monotropa* certainly does occur at one site. There seems to be no correlation between the subspecies and the two divergent habitats.

Iberis amara* L.*Wild Candytuft
1858-1997****National Status: Vulnerable, Scarce, Native and Introduced
NERC S41
UK BAP Priority Species****S Hants: Extinct**

Native

Formerly on ploughed downland at Meonstoke (SU61J). It has also been recorded in the early 20th century as an escape, between Brockenhurst and Beaulieu Road and on Hayling.

N Hants: Rare or Extinct

Native and Introduced

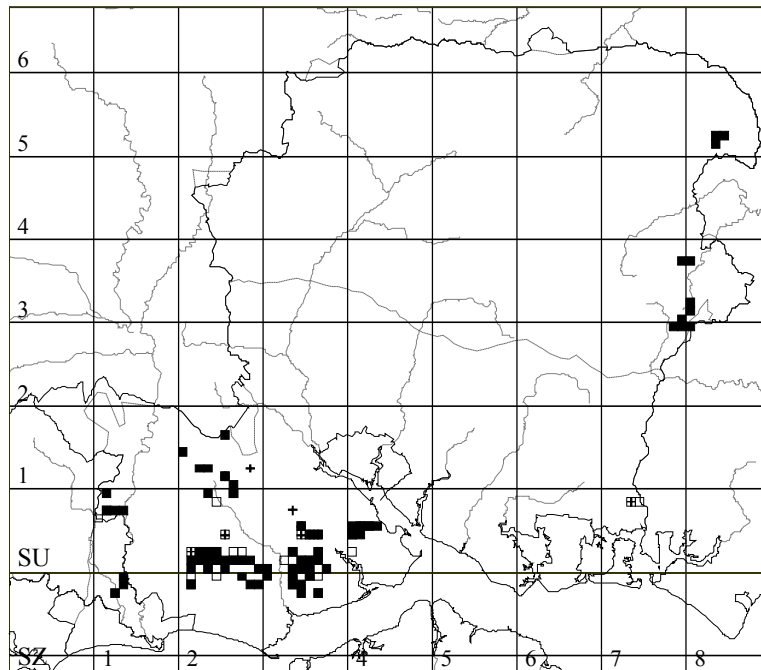
On disturbed bare chalk. It is (or was) certainly native at Porton Down where Pilkington (2007) notes a thriving colony nearby on the Wiltshire side of the border of "more than a thousand plants".

Porton Down	SU2437, SU2537	1988-97		
Porton Down, Isle of Wight Hill	SU242375	1997	PP	On bare chalk dug up by rabbits. [Searched for unsuccessfully by PP & ARGM on 5 Jul 2009].
Porton Down	SU253375	1997	PP	On bare chalk beside track at c.SU2530 3756. [Searched for unsuccessfully by PP & ARGM on 5 Jul 2009].
Beacon Hill, Old Burghclere	SU4557	1956		
Basingstoke, nr Woodgarston	SU6048	1858-1869		
Alton, nr Warren Farm	SU6940	1943		

***Illecebrum verticillatum* L.**

**Coral-necklace
1920-2010**

**National Status: Vulnerable, Rare, Native
NERC S41
UK BAP Priority Species**



S Hants: Not Ranked

Doubtfully Native

First recorded in S Hants at Titchfield Haven in 1920. Although considered native in the south-west peninsula, it is now thought most probably to be a recent introduction into our area. It was first recorded on the New Forest in 1925, has spread steadily ever since, and still appears to be spreading in heathland and forestry rides west of the Avon.

N Hants: Scarce

Doubtfully Native

On seasonally-wet acidic bare sand, where there is occasional disturbance. It was first recorded in VC12 by CRH in 2005, and has since spread explosively (especially beside puddles) on sandy tracks of MOD training areas that are used by military vehicles. It is no doubt spread on lorry tyres or tank tracks. So far, there are no records for the Slab Common area near Bordon, which is another large sandy area used by military vehicles.

Broxhead Common	SU7937, SU8037	2006-2009		
Broxhead Common	SU797374	24-Nov-06	ARGM	SU7975 3745. In much of the block of land, W of A325, riddled with wet sandy tracks used by army vehicles.
Broxhead Common	SU798375	24-Nov-06	ARGM	SU7981 3751. In much of the block of land W of A325.
Broxhead Common	SU798376	24-Nov-06	ARGM	SU7989 3762. In much of the block of land W of A325.
Broxhead Common	SU799372	24-Nov-06	ARGM	SU7999 3724. In much of the block of land W of A325.
Broxhead Common	SU799373	24-Nov-06	ARGM	SU7994 3734. In much of the block of land W of A325.
Broxhead Common	SU799376	24-Nov-06	ARGM	SU7991 3767 really dominant.
Broxhead Common	SU800370	04-Sep-07	ILR	On the central block of the common, east of the A325 and west of the B3004 in an ephemeral sandy pool in a track where it enters the wood at SU8002 3709.
Broxhead Common	SU800373	28-Sep-09	WHW & CWA	Colonies all along the track 20m west of the A325 from SU800373 to SU802377.
Broxhead Common	SU800376	24-Nov-06	ARGM	SU8007 3767 beneath power lines just W of A325.
Broxhead Common	SU801376	24-Nov-06	ARGM	SU8010 3763 just W of A325.
Broxhead Common	SU801378	24-Nov-06	ARGM	SU8017 3787 just W of A325.
Broxhead Common	SU802377	28-Sep-09	WHW & CWA	Colonies all along the track 20m west of the A325 from SU800373 to SU802377.
Longmoor	SU7829, SU7929, SU7930	2006-2010		
Longmoor, Liss Forest	SU785294	29-Jul-10	ARGM	c.12 plants in dried puddle on grassy track at SU7851 2946.
Longmoor	SU785296	30-Sep-06	PHR & JCh	c.12 immature plants, SU7853 2964, not in flower on silty sand.
Longmoor, Liss Forest	SU785295	05-Oct-10	ARGM	Locally abundant in puddles at SU7853 2959.
Longmoor, Liss Forest	SU786296	29-Jul-10	ARGM	c.12 plants in dried puddle on grassy track at SU7863 2962.
Longmoor	SU786297	29-Jul-10	ARGM	c.50 plants in dried puddle on grassy track at SU7861 2973.
Longmoor Inclosure	SU788298	28-Sep-06	MN	In tank tracks.
Longmoor	SU792297	30-Sep-06	PHR & JCh	c.50 strong plants, SU7924 2972, in flower on bare silty sand.
Longmoor Inclosure, disused railway	SU797302	03-Sep-06	WHW & CWA	Walking parallel NE of disused track, SU797302 to SU796300, found additional sites for this plant in many puddles and in bare sand.
Longmoor, nr tumulus	SU8029	2005-2006		
Longmoor	SU801299	30-Sep-06	ARGM	3,000 plants mainly at SU8016 2991 to SU8016 2991 also SU8017 2994 to SU8019 2992.
Longmoor	SU802299	03-Sep-06	WHW & CWA	Prospering well and more prolific at the known site by the tumulus.
Longmoor, N of A3	SU8031	2009		
Longmoor	SU800314	21-Sep-09	ILR	Plentiful in this 100m square from SU80048 31441 to SU80097 31454.
Longmoor	SU801314	21-Sep-09	ILR	Plentiful in this 100m square from SU80102 31465 to SU80106 31466.
Longmoor airstrip	SU8031	2007-2009		
Longmoor Camp airstrip	SU808313	23-Aug-09	ARGM	Now really abundant in one area, completely dominating about four square metres of dried puddle at SU8087 3138, and also at SU8089 3137 and in several other damp patches nearby.
Airstrip, Longmoor Camp	SU808314	23-Jul-08	MN	Dominant over a 4 square metre hollow at eastern end of disused runway.
Woolmer Forest	SU8032	2009		
Woolmer Forest	SU802320	22-Sep-09	ILR	At SU80290 32027.

Long Valley		SU8351, SU8352, SU8452	2005-2008		
Bourley & Long Valley SSSI	SU835518	05-Oct-07	ARGM	Confirmed at SU8353 5188, where recently reported by CCha. Plentiful in a patch 12m x 1m on bare sand where work by the army had been undertaken to control silt erosion.	
Bourley & Long Valley SSSI	SU835519	05-Oct-07	ARGM	A few plants at SU8355 5192 and SU8355 5196 in area where recently reported by CCha. A scattering of plants on wet bare sand where work by the army had been undertaken to control erosion.	
Aldershot Common, Long Valley, Silt trap/pond	SU836524	Aug-06	JMS	Patch 2m x 2m, SU8367 5249.	
Long Valley, Aldershot	SU838524	30-Jul-07	FJR	Doing well at this site.	
Long Valley	SU838525	02-Sep-05	ARGM	Thousands of plants SU8385 5250 to SU8430 5231, scattered over more than 500m.	
Long Valley, Aldershot	SU839524	01-Aug-08	CRH	Many hundreds SU8395 5245 / SU8401 5229 / SU8433 5233 on mud and seasonally damp sand where disturbance is occasional. Absent from heavily used tracks.	
Long Valley, Aldershot	SU840522	01-Aug-08	CRH	Many hundreds SU8395 5245 / SU8401 5229 / SU8433 5233 on mud and seasonally damp sand.	
Long Valley, east of	SU842522	01-Sep-05	CRH	On wet sandy tracks, SU8428 5225 to SU8411 5217 also SU8400 5227 to SU8387 5246. Though not continuous certainly several hundreds but area not searched systematically. (1 st record for VC12)	
Long Valley, Aldershot	SU843523	01-Aug-08	CRH	Many hundreds SU8395 5245 / SU8401 5229 / SU8433 5233 on mud and seasonally damp sand.	

***Impatiens noli-tangere* L.**

Touch-me-not Balsam 1912-1999

National Status: Scarce, Native

S Hants: Extinct except as casual

Probably Introduced

Known for 55 years at Matley Passage (SU3206 – SU3307) where it was last seen in 1986 after a decline of some 15 years. This was a convincing-looking natural habitat but well outside its main native range in Britain, the nearest native station being in the central Welsh borders. Otherwise it has only been reported (perhaps in error for *I. parviflora*) as a garden weed in Southampton, and in 1912 from “Outer Court, Winchester College” (with a voucher specimen) where presumably introduced.

N Hants: Probably Extinct

Introduced

The records for Stonor Hill are supported by a specimen in 1962 from the roadside at SU734264 in Hb.AWW (conf. ARGM), but a record for a wet wood at Conford SU822327 in 1982 was rejected by AB as “probably *I. parviflora*”. Both these areas should be searched again.

Stonor Hill, Steep SU7326 1960-1963

***Inula crithmoides* L.**

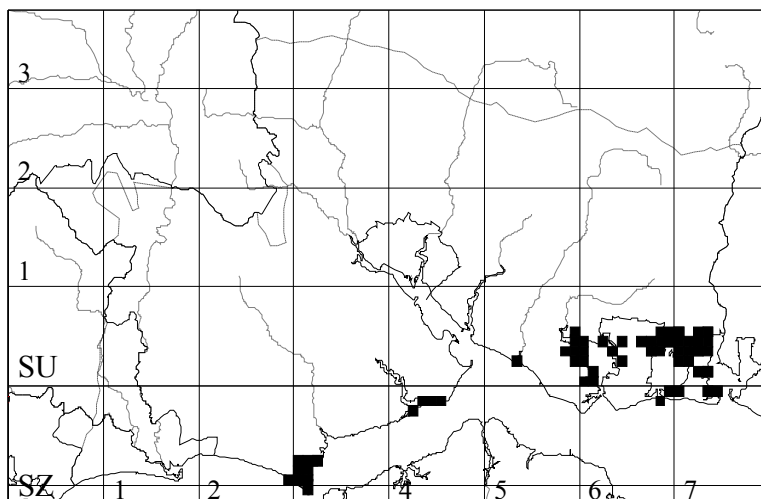
Golden Samphire 1670-2010

National Status: Scarce, Native

S Hants: Not Ranked

Native

Locally frequent and sometimes plentiful on the coast, where it occurs on consolidated shingle, upper saltmarsh and on man-made substrates such as sea defenses. In Old Portsmouth it has colonised house walls following a partial demolition.



N Hants: Not Recorded

***Isolepis cernua* (Vahl) Roem. & Schult.**

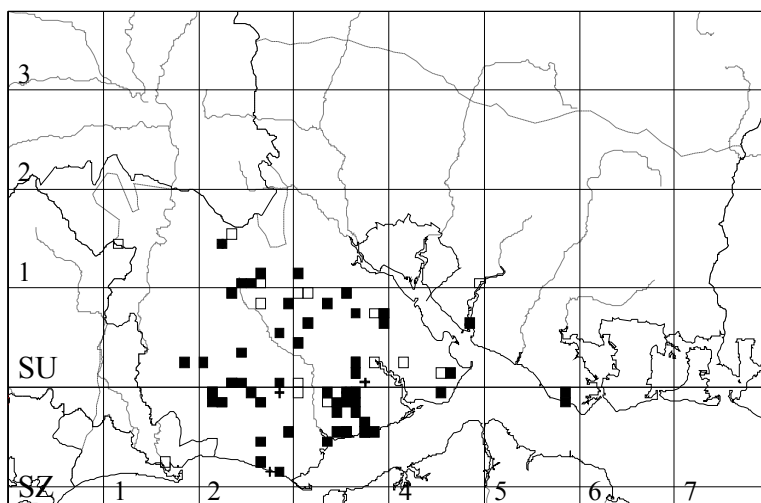
Slender Club-rush
1844-2008

National Status: Not Scarce, Native

S Hants: Not Ranked

Native

Widespread in the New Forest, particularly in flushes on base-rich clays; also in damp coastal grasslands.



N Hants: Rare or Not Recorded

Native

There is only one record for VC12 and it is strongly suspected of being a transcription error for *I. setacea* which is common in that area.

Wellington Country	SU7362	2002	
Park			
Wellington CP S lake edge	SU735629	25-Aug-02	PJSe

***Juncus acutus* L.**

Sharp Rush
?1846-2009

National Status: Scarce, Native

S Hants: Rare

Native

A number of modern reports have proven to be *J. maritimus* and without corroborating evidence, this may well be the case for the first (1846) record at Highgrove on Portsea, as there would have been no

suitable habitat in the locality given. The first firm localised record is from Sandy Point, Hayling in 1922, although it had previously been recorded from Hayling in 1886. The Sinah Common record has not been repeated and although plausible, is highly questionable; EAP, who was voluntary warden for Sinah (and never knew it there), and who introduced FR to the plant at Sandy Point in 1979, says that FR was much delighted to see it and gave no sign of knowing that the plant was elsewhere in Hayling or Hampshire. It has been given in full to encourage further search.

Sinah Common, Hayling	SZ6999	1976		
Sinah Common NR, Hayling Island	SZ690996	1976	SRD	Golf course. (Extreme SW corner of nature reserve). conf. FR? 3 plants.
Sandy Point, Hayling	SZ7498	1922-2009		
Sandy Point, Hayling	SZ748981	1983	PHC	Saltmarsh depression behind beach. <i>Watsonia</i> 16: 194. (8 plants according to 1996 Flora. 1 clump at SZ7488 9812 (& 7 clumps at SZ7492 9812).
Sandy Beach Estate	SZ748981	10-May-03	HFG	
Sandy Point NR, Hayling Island	SZ748982	17-Oct-00	BGo & JGo	One large tussock seen and felt.
Eastoke Point	SZ749980	04-Jun-02	JAN, DRA & EJC	W of SZ74910 98090, in reserve, clump 2m wide (inc. overhanging stems).
Sandy Point NR, Hayling Island	SZ749981	11-Aug-83	FR & MES	7 clumps at SZ7492 9812 (& 1 clump at SZ7488 9812). [Back of 1983, SZ748981, Colebourn record]
Sandy Beach Estate	SZ749981	23-Jul-97	JRWH	
Hayling Island, Sandy Point NR	SZ7498	07-Mar-05	BGo	Two large, fruiting clumps observed through binoculars from shore path.
Sandy Point	SZ750981	20-May-09	ILR	HBIC record. Rare. [GR is site centroid?]

N Hants: Not Recorded

***Juncus compressus* Jacq.**

Round-fruited Rush 1870-2010

National Status: Near Threatened, Not Scarce, Native

S Hants: Rare

Native

Also recorded in the 19th century from the Lymington district and Hayling; Townsend (1883) accepts the latter but does not mention the former, and points out that there was confusion of this species and *J. gerardii*. Also in 1982 from S of Winchester (SU42). A few more records from coastal habitats have been set aside in the absence of supporting evidence; certainly some recently gathered suspected *J. compressus* from coastal grazing marsh do not have the correct seed characters for this species. It has proved very susceptible to changes in management and water-levels, and all sites given below deserve to be revisited.

Ham Common, Sopley	SZ1498	?1950-1987		
Ham Common Sopley	SZ144986	12-Sep-87	RPB & AJB	Short damp grassland in flood plain near river [Avon]. Frequent in one smallish area. Hb. RPB. 87/255/1. <i>Watsonia</i> Vol.17 pp.194-5. (Also noted on VC11 RPB species sheet). Originally found by CC 1986.
R Avon, Christchurch	SZ1593	1983		
Winkton Common	SZ1595	1994		
River Avon: Winkton Common (pSSSI)	SZ157952	01-Jul-94	JRow	Nr. R. Avon. Gravelly dredgings in alluvial meadow. Specimen Hb. RPB. Comm. HWi 28.7.1994.
Wallop Brook, Broughton	SU3131, SU3132, SU3231	1928-1974		

N Hants : Rare

Native

Amongst short vegetation in wet fen, on base-rich soil.

Winnall Moors	SU4829, SU4930	1981-1982		
Micheldever	SU5039	1968		
Warnborough Green	SU7252, SU7351, SU7352	1941-2010		
North Warnborough	SU7252	10-Aug-00	BGo & JGo	
North Warnborough Green	SU729520	19-Jul-82	FR	
Warnborough Green	SU730519	1978	AB	
Warnborough Green	SU730520	15-Jun-10	MBer	Scattered plants in bud at SU73070 52018.
Warnborough Green, North Warnborough	SU731520	10-Jun-07	HFG	At SU7311 5205.
Warnborough Green, North Warnborough	SU731521	1990	AJPB	

***Juncus x diffusus* Hoppe** **Hybrid Hard x Soft Rush**
1847-2005

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

Likely to be commoner than the record suggests. There are old records for Knapp, Christchurch (SZ19L), Pylewell, Lymington (SZ39), near Otterbourne (SU42), and Hayling.

Holmsley	SU2300	1998		
Station Road, Holmsley	SU232007	1998	VS & AIH	Det. TAC.
Holidays Hill	SU2607	2005		
Holiday Hills Inclosure, New Forest	SU265072	15-May-05	VS & AIH	3 plants near bridge over ditch at SU 2658 0727.
Highland Water, New Forest	SU2706	2005		
Highland Water, New Forest	SU276063	22-Jun-05	VS & AIH	1 plant at SU2768 0636.

N Hants: Rare

Native

Probably under-recorded as both parents are common and are rarely examined closely. There is also an old record in Townsend (1883) for Bransbury marshes.

Hazeley Heath	SU7558	1991		
Hazeley Heath	SU753581	02-Sep-91	CRH	One tuft on the central plateau, with both parents nearby. Confirmed in-situ by FR.
Liss, disused railway	SU7726	1968		

***Juncus x kern-reichgeltii* Jansen & Wacht. ex Reichg.** **Hybrid Soft x Compact Rush**
1989-2010

National Status: Unlisted, Scarce, Native

S Hants: Rare

Very likely to be overlooked.

Havant Thicket	SU7110	2009		
Havant Thicket: Horsefoot Hill	SU711106	16-Jul-09	DRA, EJC, JAN & MR	Woodland ride.

N Hants: Scarce

Native

Almost certainly under-recorded. Both its parents are very common and often grow together, but rarely get the close examination required to recognise the hybrid.

Great Pen Wood	SU4462	2009		
Great Pen Wood	SU448622	15-Aug-09	ARGM	Hb.ARGM, voucher specimen from SU4486 6224.
Great Pen Wood	SU448624	15-Aug-09	ARGM	Hb.ARGM, voucher specimen from SU4488 6248.
Bramshill	SU7461	2010		
Bramshill Plantation	SU747617	26-Jun-10	ARGM & HFG	Specimen in Hb.ARGM. At woodland edge of minor track at SU7470 6174, found by JAN.
Heath Warren	SU7660	2010		
Heath Warren	SU760608	26-Jun-10	ARGM & HFG	Pointed out by JAN beside main track at SU7608 6080.
The Warren, SE of Oakhanger	SU7735	1989		
The Warren, SE of Oakhanger	SU7735	06-Aug-89	FR	
Beacon Hill, Ewshot	SU8249	2008		
Beacon Hill, Ewshot	SU820497	03-Aug-08	ARGM & HFG	Hb.ARGM. Pointed out by DRA beside track at SU8209 4974. Has the strongly ridged stems of Compact Rush but a branching inflorescence.
Church Crookham, Gelvert Bottom	SU8353	2009		
Church Crookham, Gelvert Bottom	SU830530	25-Jun-09	ARGM	One clump at SU8300 5306 beside gravel track, beside a clump of Phalaris arundinacea. Photos and voucher specimen taken.

***Juncus x surrejanus* Druce ex Stace & Lambinon**

Hybrid Jointed x Sharp-flowered Rush 1939-2010

National Status: Unlisted, Not Scarce, Native

S Hants: Rare or Extinct

Native

Also recorded in the 1960s from Stanpit (SZ19R) and Marchwood (SU31V). A proper survey is likely to show this as much under-recorded.

Millersford Bottom	SU1916	2010		
Millersford Bottom	SU192164	01-Sep-10	MR et al.	
Matley	SU3307	1939		

N Hants : Scarce

Native

Almost certainly under-recorded. It is probably scattered wherever its parents occur together on wet acidic heathland.

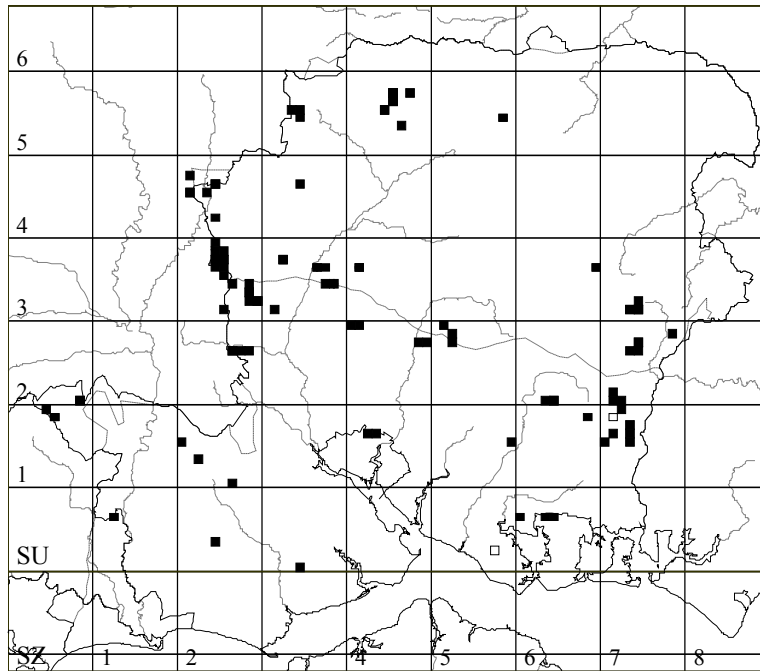
Moulsham Green, Yateley	SU8161	1989		
Moulsham Green, Yateley	SU811616	1989	CRH	Pond margins.
Ancell's Farm area	SU8256	1989		
Ancell's Farm, Fleet	SU822560	1989	CRH	Around pool.
Mallards Copse area	SU823567	1989	CRH	One tuft.
Crookham Common	SU8252	1989		
Crookham Common	SU824529	1989	CRH	Gelvert Bottom, several.
Norris Hill, East	SU8353	1989		
Norris Hill East	SU831532	1989	CRH	
Darby Green	SU8360	1989		
Darby Green	SU835604	1989	CRH	Darby Green Pond, one tuft.
Yateley Common	SU8359	1989		
Yateley Common (E)	SU838594	1989	CRH	Gravel-pit pond, 1 clump.
Hawley Lake	SU8457	1989		
Hawley Lake	SU841575	1989	CRH	Silt dump to S.

Hilland Lake, Aldershot SU8852
 Hilland Lake, near Aldershot SU881522 1989 CRH & AJB

Juniperus communis* L. subsp. *communis

Common Juniper
 1664-2010

National Status: Not Scarce, Native
NERC S41
UK BAP Priority Species



S Hants: Not Ranked, Declining

Native

Still widespread and frequent on the chalk, but with many populations senescent. Rare on New Forest heaths, and the subject of wholesale reintroduction on embankments of major roads on the chalk. A population at East Dean Sidings (SU2726) and another of planted stock on the A3 cutting at Butser Hill are exceptional in the area for exhibiting regeneration.

N Hants: Not Ranked

Native

Scattered sites on chalk grassland. It can be locally plentiful at a few places such as Porton Down, but many bushes are senescent and seedlings are rarely found. Exceptions were several very young plants at Noar Hill (SU7331) noted in 2009 & 2010, and two seedlings only 1cm high at Leckford on 20 Jun 2010 (which were gone by 26 Sep 2010, presumably eaten by rabbits). A project started at Porton Down in 2009 to propagate seeds and cuttings in order to re-vitalise the population.

***Lathyrus aphaca* L.**

Yellow Vetchling
 1848-2009

National Status: Vulnerable, Scarce, Doubtfully Native

S Hants: Scarce

Doubtfully Native

As will be seen from the listings, mostly an impersistent casual. However the striking concentration of records around Portsmouth, where it sometimes persists in rough grassland, suggests it may have a relic of a native distribution here. Formerly also recorded at Christchurch (SZ19), Milton (SZ29), Broughton (SU23/SU33), Swaythling (SU41), Winchester (SU42Z), Fort Elson, Gosport (SU50W), and West Meon (SU62).

Martin Down	SU0419	1984		
Hurn Station	SZ1397	1953		
Lymington	SZ3195	1960		
Warborne	SZ3296	1955		
Western Docks, Southampton	SU4012	1958-1965		
St Mary's, Southampton	SU4212	2002		
St Mary's Southampton	SU427121	05-Jul-02	PAB	
Peartree Avenue, Southampton	SU4412	1995-1996		
Peartree Avenue	SU447127	12-Jun-96	MJS	In grass around base of third lime tree from corner. Very rare, 1 plant.
Shawford	SU4724	1962		
St Cross, Winchester	SU4726	1953		
Horsea Island	SU6304	1962-1976		
Paulsgrove, Portsdown	SU6306	2006-2009		
Paulsgrove Pit	SU631066	03-Jun-09	MR	Frequent.
Portsdown Cmpt 3	SU636067	14-Jun-06	JGood	Occasional by the steep path into the chalk pit.
IBM North Harbour	SU6404, SU6405, SU6504	1986-1997		
IBM North Harbour	SU6404	1991	RBa	
IBM North Harbour	SU6405	1997	JRWH	In flower beds separating car park bays at E end. Locally abundant.
IBM North Harbour	SU651049	15-Jun-89	PAB	In tall grass amongst bushes in semi-shade. Very local, several plants.
Ports Creek, Hilsea	SU6504	1986-1988		
Ports Creek, Hilsea	SU658045	17-Jun-88	DPJS, JMC	SU6580 0452. 1 sm. plant. 1 fair sized bush. S. facing chalk bank of A27 (very herb rich). N. bank of creek (S. bank of A27). Extensive notes on (copy of) card.
Fort Widley, Portsdown	SU6606	1999		
Fort Widley Nature Trail	SU660065	17-Jun-99	JGood	
Eastney	SZ6799	1967		
Milton Common, Southsea	SU6700	1997-2007		
Milton	SU674006	01-Jun-97	IT	At least two colonies.
Milton Common	SU674007	02-Jun-05	JG	12 plants at SU67450070. Told of this a year or two ago. Found with Kathryn Jones help.
Milton Common	SU675006	11-Sep-07	JMill	Locally frequent by footpath in rough grassland, SU6750 0062.

N Hants: Rare

Doubtfully Native

On borders of cornfields or grassy places on the chalk. The 1996 *Flora* comments that "However, there are many old records, and in six places [for VC11 + VC12] these are from adjacent tetrads which suggest it is native." The VC12 example given there is; "Froyle, where CL, and later MRA, found it over the years in several places in four adjacent tetrads: 7442, 7446, 7642 and 7644; moreover, in 7642 it was plentiful as a cornfield weed, CL 1964, seen GHF 1980." Though they are pre-1987, the latest records at 100m precision in the Froyle area are given in full below to encourage searching. The Farnborough record was merely as a birdseed alien (and was in 1975, not 1973, as reported in some sources).

Longparish, about Fox Cottage **SU4146** **1866**

Beacon Hill, Old Burghclere	SU4557	1960-1961		
Magdalen Hill Down	SU5029	1983		
Upper Froyle, NE of	SU7543, SU7642	1964-1980		
Upper Froyle (NE of)	SU758434	1964	AB	Froyle, edge of cornfield (discovered in several places about Froyle by CL & MRA). 'SU 760 435 is near enough. NB. I have not been to see it since 1980... It does not flower until July'. Reply by GHF to AB, on letter from AB of June 13 1992. [Sketch indicates site NE of Upper Froyle]
Upper Froyle (NE of)	SU760435	1980	GHF	
Farnborough	SU8653	1975		

***Lathyrus japonicus* Willd.**

**Sea Pea
1953-2005**

National Status: Scarce, Native

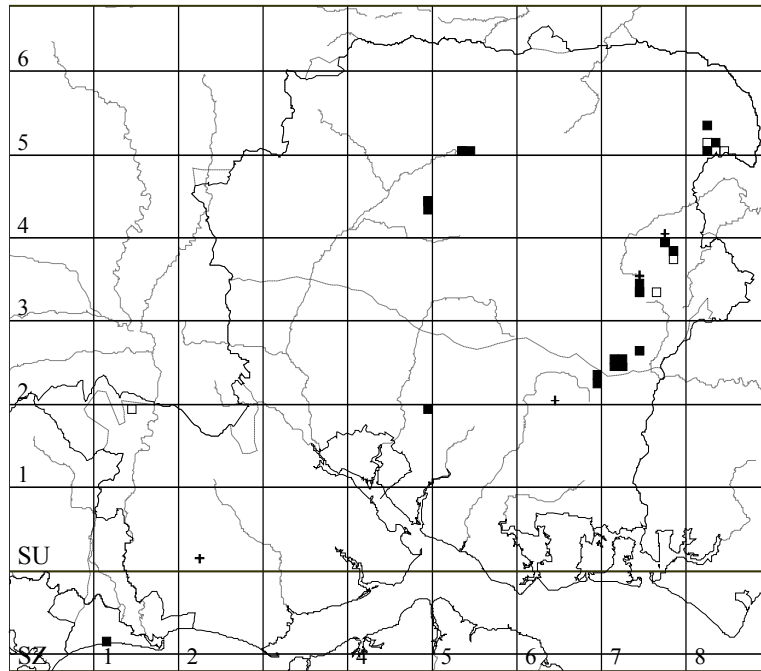
S Hants: Rare

Native

A remarkable discovery (or rather, pair of discoveries). Its fortunes are somewhat precarious, subject as it is to shifts in the spit configuration and to heavy public use. As indicated, it has been searched for without success at its first site. Pre-1987 records are detailed to encourage further search.

Hurst Beach	SZ3090	1953-1963		
Hurst Beach	SZ307900	1953	GH	c.SZ307900. Shingle beach. Source: Watsonia Vol II, pt.3, p.249. Recorded also by J. Hodgson 1963, comm. AB. [On card for G Halliday, c.SZ307900, 1953] [Not found 1973.]
Hurst Beach	SZ3090	1963	JHod	
Hurst Castle	SZ3189	1993-2005		
Hurst Spit	SZ319897	18-Jul-99	JAN & DRA	12-16 excellent, behind the Fort.
Hurst Castle Spit	SZ319898	01-Nov-93	GDF	Flat bare shingle spit. Two patches, each c.40-50cm across, consisting of several plants. Rooted in sand beneath 8-10cm of coarse angular shingle. A third patch ...composed of c.7 plants together was found. Assoc. spp: Sil uni, Bet vul mar, Sen vulg, Glau flav, Tripl mar, Son asp, Ger pur for. [See back of 1.1.1993, GDF record]
Hurst Castle Spit	SZ319898	06-Nov-93	RPB, GDF & MEY	
Hurst Castle Spit	SZ319898	Jun-05	GDF	At SZ3199 8985.

N Hants: Not Recorded

National Status: Not Scarce, Native**S Hants: Rare**

Native

Native on wood margins and hedgebanks on the chalk but doubtless a casual or introduction elsewhere, with a possibility of confusion with other species. Also formerly recorded on the railway bank at Holmsley (SU20F), N of Eastleigh (SU42), Boarhunt and Portsdown (SU60), at Exton (SU62F) and at Hayling. The first county record was also in the Meon Valley catchment (?SU62). Early records referring to Langrish and Bordean may relate to the Rookham Copse population.

Breamore Wood SU1419 1837-1977**Hall Lands, Fair Oak SU4919 2007**

Hall Lands SU4919 22-May-07 GCo Self sown plant from introduction.

Rookham Copse area SU6922, SU6923 1987-2007

Rookham Copse SU696228 17-Jun-07 GCo

Rookham Copse SU695230 03-Aug-88 HCC

Bereleigh Estate SU698235 05-Jul-87 DPJS & JMC SU6980 2350. Langrish Petersfield. Footpath at top of Sir Williams Hill. Hedge on W. side of footpath. Growing in hedge of large field (hedge not species rich).

Bereleigh Estate SU698235 26-Sep-99 GJ & NJ Top of Sir William's Hill.

N Hants: Infrequent

Native

In VC12 mainly found on woodland edges in the hangers between Petersfield and Binstead, but it also occurs in uncultivated grassy areas such as railway embankments.

Leersia oryzoides* (L.) Sw.*Cut-grass
1850-2006****National Status: Endangered, Rare, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8****S Hants: Rare**

Native and Reintroduced

This grass was formerly widespread and locally frequent in the catchment of the Lymington River in the New Forest. However by the 1950s it appeared to be restricted to a single small site on the Blackwater, where it had previously been recorded over a stretch of 1½ miles. It was taken into cultivation from here, and this material was then used in a planned and authorised translocation to the Ober Water, not a previously noted site but the one which now seemed to offer the best habitat conditions. It did not prosper and was feared lost by the late 1980s, but was rediscovered by GDF and MEY in 1997 on the translocation site.

Since then it has been seen in very small quantity on this site, and in even smaller quantity a little way downstream. It is difficult to know whether this is a spread, or a relic of a population already there but previously unobserved. Changes in riparian management and the effects of drainage would seem to be the main factor in its general downfall. A great deal of river valley 'wilding' is now going on but for the moment the Ober Water appears to remain its best chance. However it is a popular bite with New Forest grazing stock, cool moist summers do not favour seed set, the drainage regime at the site is not optimal, and it has so far not spread into the most suitable-looking terrain.

Also noted in the past for ?SU20R and ?SZ39E, and a number of other spots hard to localise.

Sopley	SZ1596	1867		
Black Water, nr Lyndhurst	SU2404, SU2504	1928-1955		
Ober Water, Markway	SU2503	1983-2006		
Ober Water Introduction Site	SU253038	08-Jun-03	NAS	There is one large clump in the channel and a few stems on the bank. Last year there were no visible flowers but splitting the stem produced fertile looking seed from a cleistogamous flower, which were cast into the flood to do their stuff. I mapped it on an air photo last year, comparing with this gives SU2532 0387.
Ober Water Introduction Site	SU254038	1997	GDF	
New Forest : Ober Water (SSSI)	SU255039	09-Sep-06	MR & RMW	Single clump on N bank just W of (now removed) bridge, SU2555 0393. Inflorescences still in sheaths.
Highland Water, Warwick Slade area	SU2606	1930-1950		
Boldre River, Brockenhurst	SZ3999, SU3000	1850-1893		

N Hants: Not Recorded***Legousia speculum-veneris* (L.) Chaix****Large Venus's Looking-glass
1916-2010****National Status: Unlisted, Rare, Neophyte or Possible Archaeophyte****S Hants: Not Recorded****N Hants: Rare**

Neophyte or Possible Archaeophyte

This attractive cornfield weed was originally found near Wootton St Lawrence in 1916 and has persisted in that area until the present. In some years the farmer has maintained a tilled headland strip without

herbicides to conserve it. It may possibly be a rare archaeophyte – in France ARGM has seen it abundant enough to colour whole fields blue.

Sutton Down Farm, SU4537 1977
nr South Wonston

Wootton St SU5753 1976-2010
Lawrence

Wootton St Lawrence, Hook Lane headland	SU571536	24-Jun-06	GCo	3 plants in unsown headland of parsley seed crop, Hook Lane, c.SU571536.
Wootton St Lawrence, W of	SU573539	24-Jul-10	AID	Seven flowering clumps or plants extending from c.SU57409 53926 to c.SU57351 53907.
Wootton St Lawrence, W of	SU574538	21-Jul-04	HWT	Scattered along field edge SU5748 5389 to SU5711 5365, most numerous at SU5740 5394.
Wootton St Lawrence, W of	SU574539	18-May-10	GCo	38 plants counted in very quick search.
Wootton St Lawrence, W of	SU575537	02-Aug-07	ARGM	One outlier at SU5756 5373, separate from main colony.
Wootton St Lawrence, W of	SU575538	02-Aug-07	ARGM	Single outlier plants at SU5753 5384, SU5754 5384 and SU5755 5382, on headland strip but away from main colony.

***Lepidium latifolium* L.**

**Dittander
1921-2003**

National Status: Scarce, Native and Introduced

S Hants: Rare

Probably Introduced

Usually considered native in neighbouring Sussex but doubtfully ever a native in Hampshire. Although it cannot be considered extinct as stated in the 1996 *Flora*, all recent records are of casual occurrences or ruderal habitats. Also formerly recorded in the Boscombe area (SZ19B), near Lymington (SZ39), and Bitterne (SU41). A doubtful record from Lords Hill is said to be supported by a herbarium specimen in HCMS but this has not been traced. Some sites with only pre-1987 records are detailed to encourage further search.

Stanpit Christchurch SZ1692 1995-1997

Stanpit Marsh	SZ167924	09-Jul-95	HJMB & FAW	
Stanpit	SZ169924	21-Jun-95	GA	SZ16(9) 92(4) check. Rank grass and brambles by stream. [Comments/ compiler: First record since c.1962. R.P. Bowman. In several patches along the Purewell Stream ditch just beyond the white poplars and before the horse field at the rear of the bare patch used on bonfire night. Also seen 1996, 1997.]

Southampton SU4215 1972

Southampton University	SU4215	1972	WP	Casual near Soton University.
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Twyford SU4723 1998-2003

Twyford Moors	SU478231	12-Jul-01	BGo & JGo	About six young plants on traffic island.
B3354/B335 Triangle	SU479236	06-Sep-03	MG	HBIC record. Locally frequent.

N Hants: Not Recorded

Leucojum aestivum* L. subsp. *aestivum

**Summer Snowflake
1930-2010**

National Status: Scarce, Native and Introduced

S Hants: Scarce

Native and Introduced

The species is widespread in South Hampshire as an introduction, and both subspecies (which require careful attention to detail to separate) are widely recorded as naturalisations, subsp. *pulchellum* being the

commoner, at least nowadays. There have been conflicting opinions as to whether subsp. *aestivum* should be considered a native in Hampshire, but the sites listed below are those where it carries the most weight of opinion in its favour of its being indigenous.

Wattons Ford area	SU1301	?1965-2007		
S of Wattonsford Common	SU133011	14-Feb-07	MR	About 120 clumps at SU1336 0112 over c. 20m.
River Avon, S of Wattons Ford Common	SU134010	14-May-95	RPB	SU133011 – 134010-1. Alder-willow carr W of river, foot of E-facing scarp. Very locally abundant & subdominant over c.55 x c.60m.
Avon Valley	SU134013	01-Apr-02	BGo & JGo	Very locally abundant in fen woodland.
Ashley, Ringwood	SU1404	1962-1968		
Wick Ferry, Christchurch	SZ1592	1960-2007		
R Stour, Wick Ferry	SZ155921	22-Apr-95	RPB	Small reed bed among willows W of ferry on river mud N of footbridge also W of footpath, c. 90 large & small clumps.
R Stour, Wick Ferry Wick Ferry etc	SZ156921 SZ1592	1960 07-Mar-07	JHL RMW	Back of small reed bed.
Lymington River, Rodlease	SZ3198, SZ3298, SZ3299	1986-1999		
Rodlease	SZ319989	05-May-99	MEY	
Lymington River, Rodlease Fm	SZ320990	23-Mar-93	RPB	Wet wood on NE bank amongst bushes on swamp. Very local, many large clumps over c.30m.
Rodlease Wood	SZ322987	05-May-98	MEY	
Badmiston Common	SU4502	1986-1999		
Badmiston Common	SU457023	11-Apr-99	FR & NAS	Old Woodland beside streamlet as ssp. <i>aestivum</i> .
Fishers Croft Copse	SU458022	23-Apr-95	RPB	Field Heath Oak Hazel Coppice along small gravelly stream c 90 plants in 15 clumps.
Titchfield Haven	SU5301	1962-2006		
R Meon Navigation	SU534031	15-Apr-06	PM	1 large patch with a few flo. fully open and several in bud on W. side of Navigation (seen from path at SU 5347 0312).
Wallington River, Southwick area	SU6109	1985-1999		
Wallington River, NW of Southwick	SU614091	28-Apr-94	RPB	Wallington River, NW of Southwick Marshy Alder & Willow bed on S bank 18 clumps.
Wallington River	SU615092	11-Apr-99	FR & NAS	Alder/Willow Carr beside river as ssp. <i>aestivum</i> .

N Hants: Rare

Native or Introduced

There are scattered records at species level but these all seem to be garden escapes and are probably all subsp. *pulchellum*. There is a colony of scattered plants of subsp. *aestivum* in damp woodland beside branches of the River Anton within SU358431 where it looks native. However it also occurs as scattered plants in another four adjacent 100m squares, much of which would be described as garden habitat. The implication is that it has spread from the woodland into the adjacent more 'gardened' area, or possibly vice-versa. The land-owner has not introduced it.

Catford Mills Clatford Mills	SU3543 SU357430	2009-2010 20-Apr-10	JRM & ARGM	Carefully det. as subsp. <i>aestivum</i> . A widespread colony with thinly scattered plants in parts of five 100m squares, most dense in marshy woods adjacent to streams in SU357431 where it looks native, but spreading into more 'gardened' adjacent habitat. In this 100m square a few scattered plants at SU3579 4300 and SU3579 4303.
Clatford Mills	SU357431	20-Apr-10	JRM & ARGM	Scattered clumps in this 100m square, mainly at SU3575 4310, 3575 4313, 3577 4310 (largest concentration), 3577 4313 and 3578 4312.
Clatford Mills	SU358429	20-Apr-10	JRM & ARGM	In this 100m square a few at SU3580 4299 and SU3586 4299 in a garden habitat.
Clatford Mills	SU358430	20-Apr-10	JRM & ARGM	In this 100m square a few at SU3587 4306 in a garden habitat.
Clatford Mills	SU358431	20-Apr-10	JRM & ARGM	Native-looking habitat in this 100m square with clumps at SU3580 4314 and SU3585 4311.

***Limonium humile* Mill.**

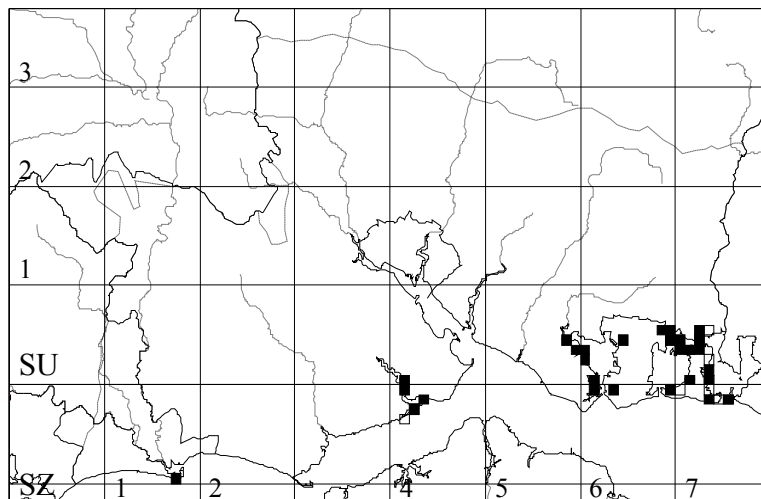
**Lax-flowered Sea-lavender
1842-2010**

National Status: Scarce, Native

S Hants: Infrequent

Native

Still in the areas where it was noted in the 1996 *Flora*. Although discounted there from Stanpit and Hengistbury, it has subsequently been recorded on saltmarsh at the back of Hengistbury Head.



N Hants: Not Recorded

***Limonium x neumanii* C.E. Salmon**

**Hybrid Common x Lax-flowered Sea-lavender
1929-1997**

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

In the 1996 *Flora* it was noted from only three sites, of which one (Wicor, SU60C) was destroyed and another (North Hayling) had no record since 1935. Now refound on the latter (perhaps at the same site) and found in one further site. It would be an easy plant to overlook, and may be elsewhere. There is a further record from Hythe, SU40 (with *L. humile*) in 1930; neither has ever been noted again in Southampton Water.

Needs Ore Needs Ore Point	SZ4297 SZ426976	1984-1991 11-Aug-84	RPB	Upper saltmarsh inside mouth of estuary. With both parents.
Needs Ore Needs Ore Point	SZ427977 SZ4297	1986 29-Aug-91	HJD FR	Estuarine saltmarsh.

Inchmery E of Inchmery Quay	SZ4498 SZ4498	1997 1997	RPB
Gutner, Hayling Hayling Island, saltmarsh to east – Gutner	SU7301 SU7301	?1935- 1995 06-Sep-95	FR

N Hants: Not Recorded

***Limosella aquatica* L.**

Mudwort
1867-2010

National Status: Scarce, Native

S Hants: Scarce

Native

Also recorded in the 19th century at Kingston (SU10), Blashford Green (SU10N) and Brockenhurst (SU30B), and in the Holmsley area (SU20) at the beginning of the 20th. Now largely confined to the Avon Valley where it occurs in scattered sites over a long stretch and is presumably bird-spread to new areas of standing water. MR and BGo have searched the Bramshaw Telegraph site on more than one occasion without success in the last few years.

Ham Common, Sopley R. Avon, Ham Common, Sopley	SZ1498 SZ145987	1986-1987 15-Jul-87	RPB & JO	Muddy flooded banks of river. Very local, 50+ plants.
Ellingham Lakes Ellingham Lakes, Ellingham Ellingham Lake	SU1407 SU148078 SU148080	1987-1988 13-Aug-88 1987	RPB RPB	Drained bed of flooded gravel pit. Very local, c.8 plants. Drained bed of flooded gravel pit, 50+ plants.
Wick Meads, Southbourne Wick Meads Wick, Southbourne Wick Meads	SZ1592, SZ1692 SZ158922 SZ159922 SZ160922	1991-2006 02-Aug-06 01-Jul-91 01-Jul-91	RMW RMW RMW	Wick Meads. c.SZ158922 – 160922. Wet slightly brackish meadows. Very local large colonies.
Mockbeggar Mockbeggar Ibsley Area Mockbeggar Silt Pond	SU1509 SU1509 SU154090 SU155087	1997-2007 Sep-97 1998 18-Jul-07	GDF & MEY GDF ILR	Ibsley Water. Shallow unshaded eastern shoreline. Very local, substantial population. Ibsley Water. HBIC record. Rare, SU1553 0871.
Breamore Marsh Breamore Marsh Breamore Marsh Breamore Marsh : pond Breamore Marsh	SU1517 SU1517 SU155181 SU156176 SU157177	1934-1991 1991 01-Jan-83 23-Aug-83 1981	CC FR RPB RPB	HBIC record. Muddy pond bed on SW side. Very local, few plants. Breamore pond.
Stanpit Marsh Stanpit Marsh	SZ1692, SZ1792 SZ164922	1971-2010 28-Jul-10	MBer	Hundreds of plants (mainly vegetative and fruiting but a few in bud) on mud of drying channel crossed by wooden catwalk at SZ16487 92209. Also hundreds of plants (mainly vegetative and fruiting) on poached mud at SZ16475 92205. Several plants in flower with many more vegetative rosettes, bare mud by stand of <i>Schoenoplectus tabernaemontani</i> at SZ16456 92212.
Stanpit Marsh Stanpit Marsh Stanpit Marsh	SZ166922 SZ167921 SZ170920	16-Jun-09 1988 1982	DL DAP WGH	Plentiful on one area of dried mud, Priory Marsh.

Bramshaw Telegraph	SU2216	1991-2000		
Bramshaw Telegraph, Hampshire (VC11)	SU227167	13-Aug-91	RPB	B3078. Dry bed of small shallow seasonal pond N of road. VL c.300 plants over 2.5 x 1.5m.
Bramshaw Telegraph	SU228166	28-Sep-00	NEw	Only 2 plants flowering, all heavily grazed.
Bramshaw Telegraph, impermanent pond opposite Hope Cottage	SU228167	23-Jun-00	BGo & JGo	Plants now in flower on dried-up bed of pond, occasional.

N Hants : Extinct

Native

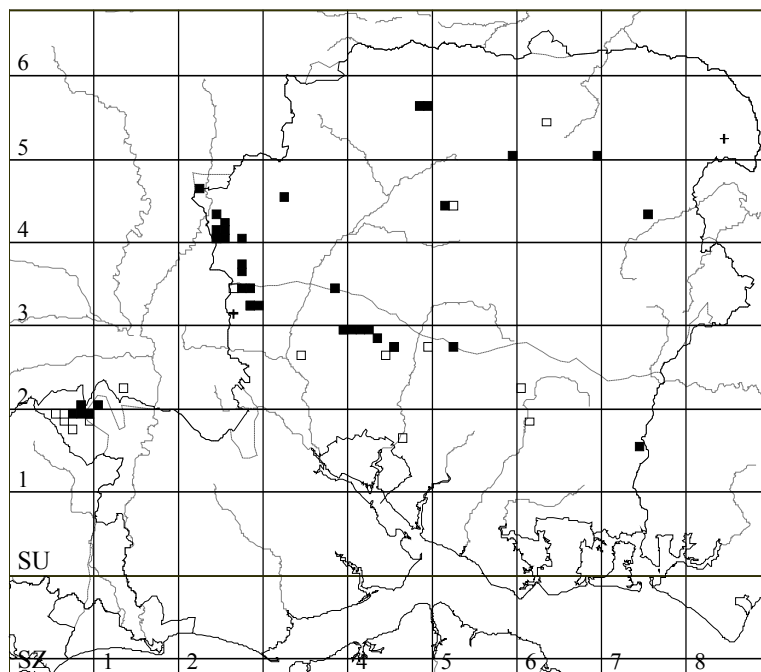
The records at Wash Water were on mud beside the River Enborne on both the Hants and Berks sides.

Wash Water	SU4563	1906-1935
Hook Common	SU7153 or SU7253	1942

***Lithospermum arvense* L.**

Field Gromwell
1836-2009

National Status: Endangered, Not Scarce, Archaeophyte



S Hants: Infrequent, Declining

Archaeophyte

Chiefly on the western chalk and to the west of Winchester. It can be sporadic in any site but has not been refound at all in several. One of the best and most constant populations, at Farley Mount (SU4029), has recently suffered as a result of planting up arable margins with grass 'conservation strips'.

N Hants: Infrequent

Archaeophyte

On a few field edges on the chalk, and concentrated mainly towards the Wiltshire border. In common with most arable weeds, it is sporadic in appearance.

Lithospermum purpureocaeruleum L.**Purple Gromwell**
1992-2009**National Status: Rare, Native and Introduced****S Hants: Rare**

Neophyte

As a garden escape or naturalisation only.

Sholing St Mary's Extra Cemetery, Sholing	SU4510 SU457109	2009 05-May-09	PAB	
Droxford Droxford	SU6118 SU612182	1992 1992	RBa	Verge of track. Two plants, destroyed next day by lorry damaging verge. Probable garden wanderer. Hb EJC Det EJC.
Hilsea Lines Hilsea Ramparts	SU6504 SU654043	1992 23-May-92	DPJS	SU6540 0431. Dry rocky bank on old 'maintained' fortifications. 1 large patch naturalised. Geum urbanum abundant here. Half-way up steps above ramp, 100yds S. of footbridge over A3. Hb RPB 1 st VC Record, Det EJC.

N Hants: Rare

Introduced

The only record is a garden escape.

Upton Grey Upton Grey	SU6948 SU696488	1999 16-May-99	ARGM	Escaping from garden alongside track.
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Lobelia urens L.**Heath Lobelia**
1903-2009**National Status: Vulnerable, Rare, Native****NERC S41****UK BAP Priority Species****S Hants: Rare**

Native

Given the history of this plant at Hinton Admiral it is hard to be totally convinced it is native here – were it not for the intriguing record on the nearby Burton Common where it has never been refound. MR searched there in 1970 and more recently without success. This is a species that appears along forestry tracks in north-central France, where it is presumed spread by forestry operations. A series of records has been included to show fluctuations in numbers. The original record, by J. Vorse and given in Rayner (1929), states: "In July 1903 or '04 a school-girl had a bunch of wild flowers. When asking her to name as many as she could, I was astonished to see she had a sprig of *Lobelia urens*. She showed me where it had grown. There were perhaps 5 or 6 plants in a little clump or patch, in an opening among the firs".

Burton Common	SZ1995	1958	AWW	
Cat Plantation, Hinton Admiral Hinton Admiral	SZ2094, SZ2095 SZ202950	1903-2009 29-Jul-00	BGo & JGo	Four flowering shoots along side of sandy field, and two more plus some rosettes within the Reserve.
Hinton Admiral	SZ205949	29-Jul-00	BGo & JGo	Habitat: Sandy field border beside track and track across Conservation area. Site 1 total : 4 over 2m sq. (3 stems in fl. +1 broken off). Site 2 total : 6 over 10m sq. (4+ rosettes, & 2 stems in fl.) With sketch map. [Map indicates sites at, c.207949 (SW of woodland) & c.205949 (SE of woodland) – DRA].
Hinton Hinton	SZ205950 SZ206949	14-Aug-77 07-Aug-65	ARGM RPB	SZ205½950. SZ206949 etc. Cat Plantation, Hinton. Very local, 150-175 plants.

Hinton	SZ206949	05-Aug-78	RPB	Cat Plantation, Hinton. Population fluctuates. Conifer plantation and pasture (part grazed). See form for details, map, etc. 43 plants.
Hinton	SZ206949	1985	Anon	SZ206949 etc. Cat Plantation, Hinton. 29 plants.
Hinton	SZ206949	1986	Anon	SZ206949 etc. Cat Plantation, Hinton. 264 plants.
Hinton	SZ206949	30-Jul-88	RPB	Dry grass heath with scrub and bracken 261 flowering (numbers given for earlier years: 0 in 1983, 60 in 1985, 265 in 1986, 285 in 1987).
Cranemoor Common, north side	SZ206949	15-Jul-07	DC	By gate leading into relict heathland SW of plantation.
Hinton	SZ206950	15-Jul-90	ARGM	Photos taken.
Hinton	SZ207949	02-Aug-91	GHF	
Cat Plantation, Hinton	SZ207950	04-Aug-56	RPB	SZ207950 etc. Rides and open places among bracken in pine plantation. Local, plentiful in young plantn and after fire. Later becoming shaded out.
Cat Plantation, Hinton	SZ207950	1977	GHF	About 20 stems.
Hinton Admiral	SZ207951	26-Jun-09	DL	30 plants in the NW corner of the field(mostly on a small bank) NE of the main site and c75 yards east of the metal gate that brings you on to the Ringwood Road.
Hinton Admiral	SZ208950	14-Jul-99	VS	
Hinton Admiral	SZ208951	15-Jul-07	CD	LHS of gate leading from road into arable field S of plantation.

N Hants: Not Recorded

***Lotus angustissimus* L.**

Slender Bird's-foot-trefoil 1828-2010

National Status: Near Threatened, Scarce, Native

S Hants: Scarce

Native

Recorded more widely on the south-east coast in the past; for instance, also noted at Stokes Bay, Gosport (SZ59) up until 1913, at Stubbington (SU50) in the 19th century, and on Hayling Island (record imputed to SU70 but more likely to be SZ79) in 1919-1922. It may well still be there. The large populations at Blashford either arrived with, or were able to exploit, the major restoration works that took place around the gravel workings. The Otterbourne Reservoir population, which was presumably introduced with gravel, has declined in recent years but may revive after major works on the site in 2008.

Shave's Green, Blashford	SU1407	1971		
Wick, Southbourne	SZ1592, SZ1692	1989-1998		
Wick, Bournemouth	SZ157920	30-Aug-89	TWa	Wick, Christchurch. By village pond at foot of small tree W of path. One plant. Hb.RMW. Expert: JRA.
Wick Pond	SZ158921	25-Aug-98	FAW	Previously found by DAP 1992.
Hengistbury Head	SZ1692	1990	RMW	
Blashford Lakes S	SU1507	1963-2009		
Spinnaker Lake, Blashford	SU155073	05-Jul-84	RPB	New slipway made 1983/84, where <i>L. angustissimus</i> & <i>L. subbiflorus</i> occur together, soil disturbed & cleared of veget'n. On 5.7.84 c.10 small plants of <i>L. ang.</i> were located & c.8 of <i>L. subb.</i> , - on back of <i>L. angust.</i> record card for RPB, 21.6.1981.
Spinnaker Lake, Blashford	SU155074	1984	AB & JO	Both species in plenty. [Assume grid ref. is 'as record above']
Ivy Lane, Blashford	SU155075	1963	FDR	Bare or sparsely vegetated gravelly soil on edge of gravel pit lake by path. 'Casual. Several plants on imported soil when paths were being made up'. Refound RPB 21.6.81 at 155073. Another record by ESH, 1971 at 145075 is apparently a separate site, although... & it is possible a grid ref. error crept in.
Spinnaker Lake, Blashford	SU155076	14-Jul-02	PS	Few plants to rear of sailing clubhouse, SU1555 0760.
Blashford Lake	SU156074	18-Jun-09	EAP	Sailing club dinghy park, SU1560 0740/1. 5m to 17m N of top of slipway, c. 50 plants.

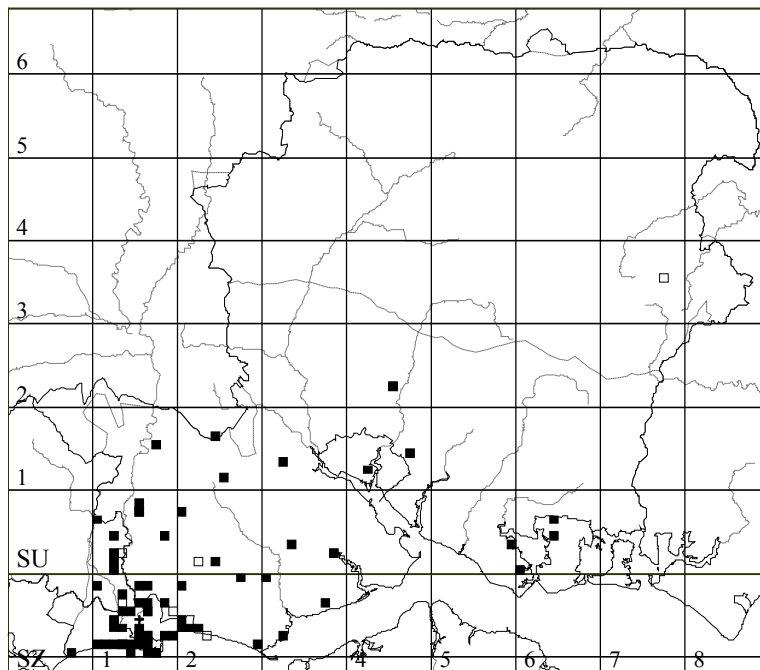
Blashford lakes W	SU1508	2001-2010		
Blashford Lakes nr pumping station	SU153079	07-Jun-09	HFG	Locally frequent e.g. SU1538 0798, SU1536 0799. Some senescent, some fl's, & fruit.
Blashford Lakes (west) NE of Ivy Lake	SU153081 SU154079	03-Jul-01 1996	ILR GDF & MEY	HBIC record. Rare, SU1530 0811.
Blashford Lakes NR	SU154080	20-Jun-10	PM	Many plants east of wire fence.
Blashford Lakes N	SU1508	2004		
N of Ellingham Drive, Ellingham	SU153082	07-Jul-04	NAS	
Otterbourne Reservoir	SU4522	2000-2001		
Otterbourne Reservoir	SU453225	27-Jun-00	PS, PJSe & BGo	Short grassland on turfed top of reservoir. 100+. With <i>L. subbiflorus</i> ... With sketch map & assoc. spp. list.
Otterbourne Hill	SU454224	08-Aug-01	BGo & JGo	
Titchfield Haven	SU5302	1986-1999		
Gravel Pit, Titchfield Haven	SU531028	12-Jun-99	DRA	
Titchfield Haven: Meon Marsh gravel pits	SU531029	12-Jun-99	JAN & DRA	Pods hairless, 1 or 2 flowers.
Titchfield Haven	SU532028	1990	RFG	'Recorded by RF Goodchild at 532028, 30+ plants in 1990', (noted back of card for Everett & Norton, SU531028, 09 Sep 1986)
Eastney	SZ6899	1994		
Frazer Battery, Eastney, Portsea Island	SZ680990	27-May-94	FR	

N Hants: Not Recorded

Lotus subbiflorus Lag.

Hairy Bird's-foot-trefoil 1645-2010

National Status: Scarce, Native



S Hants: Not Ranked

Native

It remains widespread and sometimes occurs in some abundance in the lower Avon valley and neighbouring coast, with a scattering of records inland and elsewhere.

N Hants: Rare or Extinct

Neophyte

Formerly on bare disturbed sand at SU778358, where searched for unsuccessfully by ARGM on 3 Jul 2007.

**The Warren, SU7735 1974-1979
Oakhanger**

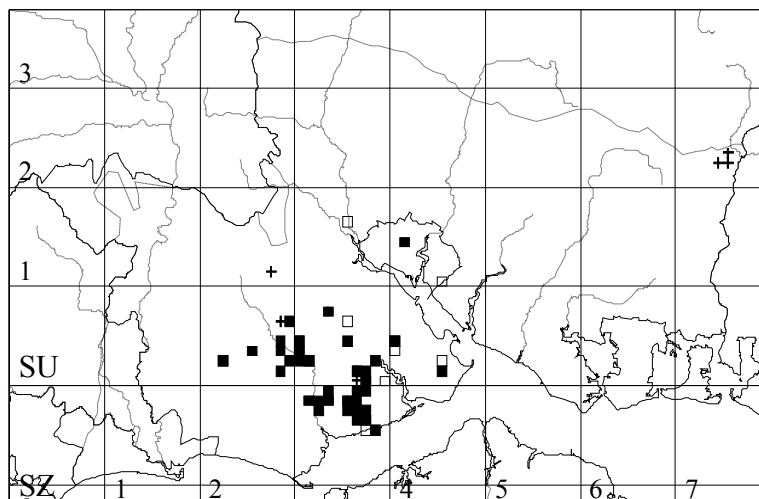
***Ludwigia palustris* (L.) Elliott**

**Hampshire-purslane
1645-2010**

National Status: Rare, Native**S Hants: Infrequent**

Native

Its historic site at Petersfield where it was first recorded for Britain by Goodyer had its last record in 1849. It remains widespread in the New Forest, suppressed by the spread of *Crassula helmsii* in some sites yet apparently competing with it in others. Sporadic records in the vicinity of Southampton are deliberate introductions or casual.

**N Hants: Not Recorded*****Luronium natans* (L.) Raf.**

**Floating Water-plantain
1985-2005**

National Status: Scarce, Native**Bern Convention****EU Habitats and Species Directive****NERC S41****UK BAP Priority Species****WCA Schedule 8****S Hants: Rare**

Native or Neophyte

Considered by the 1996 *Flora* as "probably a deliberate introduction", but it is not an obvious aquarist's plant and there remains a possibility that it arrived by natural means.

South Weirs, Brockenhurst	SU2801	1985-2005		
South Weirs, Brockenhurst	SU286018	07-Sep-05	DRA, JAN, EJC & MR	SU28660181, in 1m sq. : a patch c.20cm and a few odd plants, with <i>Apium inundatum</i> , and <i>Ludwigia palustris</i> – abundant, pond muddy, no surface water though.
South Weirs, Brockenhurst	SU287018	13-Sep-99	VS	Pond on road top of South Weirs Track Fairly plentiful.

N Hants: Not Recorded

***Luzula x borreri* Bromf. ex Bab. Hybrid Southern x Hairy Woodrush** 1928-2008

National Status: Unlisted, Scarce, Native

S Hants: Scarce

Native

Probably more widespread than the records suggest; it often seems possible to find a few plants where populations of the parents come together. Also recorded at Bouldsbury (SU01T), and at Misingford, Wickham (?SU51X); and there is an uncertain record from Fort Fareham (SU5704).

Ashridge Copse, Damerham	SU0914	1989		
Ashridge Copse, Damerham	SU097146	26-May-89	RPB	Damerham. W edge of wooded strip. Very local, few plants.
Bleak Hill, Harbridge	SU1210	1964-1967		
Whitsbury area	SU1317, SU1318	1956-2005		
Whitsbury Common, Whitsbury	SU133178	22-May-05	AEB	Bank of lane.
Whitsbury	SU133183	22-May-05	AEB	Bank of lane.
Masons Copse, Mottisfont	SU3126	2005		
Masons Copse, Spearywell, Mottisfont	SU313268	14-May-05	HFG	Single tuft at SE angle of woodbank where it meets track. Previously noted by ILR.
Back Lane, Mottisfont	SU3128	1997		
Back Lane, Mottisfont	SU318284	01-Jun-97	RMV	Mottisfont Back Lane One plant Roadside verge. Det CAS.
Nightingale Wood, Rownhams	SU3618	1962		
Stapleford Lane, Marchwood	SU3709	1964		
Dibden Manor, Dibden	SU4008	1966		
Breach Hill	SU5214	2008		
Blind Lane, Breach Hill	SU527147	25-Apr-08	MR & RCR	Two plants on N side of lane with <i>L. pilosa</i> and not far from <i>L. forsteri</i> .
Mayles Lane & Fiddlers Green	SU5610	1998		
Mayles Lane & Fiddlers Green	SU562103	09-May-98	PS	Mayles Lane, Wickham. In ditch. Conf. EJC.

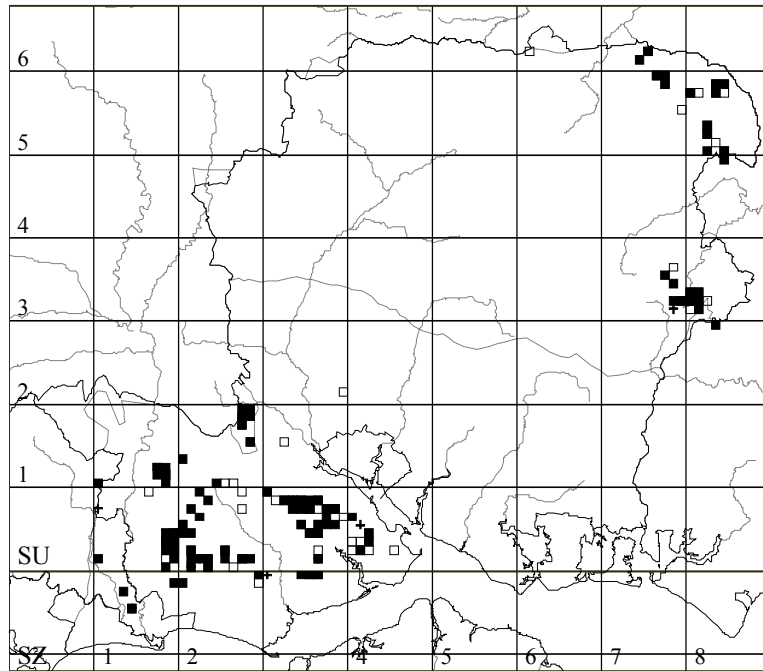
N Hants: Probably Rare

Native

Almost certainly under-recorded in VC12.

Gravelly Wood, E of Well	SU7746	1970		
Blackmoor	SU7832	1966		

**National Status: Endangered, Rare, Native
NERC S41
UK BAP Priority Species**



S Hants: Not Ranked

Native

It remains widespread on the New Forest but often in small populations, with only a few really sizeable stands. Away from the Forest and Avon valley heaths it was last seen in 1958 at Baddesley Common (SU3921); in the 19th century it was also recorded at Titchfield Common (SU50) and Shedfield Common (SU51R). It has been the subject of recent targeted surveys and has not been refound in a number of sites. In the New Forest it has shown little recent ability to recolonise from any distance into suitable-looking recreated bare peaty habitat. While it occupies several distinct niches there (creeping over very wet rafts of *Sphagnum*, along poached spring lines, on the faces of exposed peat around animal watering holes, and in other disturbed wet areas by tracks with a thin covering of peat over mineral soils and some lateral water movement), the last of these accounts for many small and perhaps declining populations; and it may have been favoured in the past by the discontinued commoning practice of turbary.

N Hants: Infrequent

Native

On acid soil in wet heathland. It cannot compete well with other vegetation and requires bare peaty areas that are occasionally flooded in winter. It has responded remarkably well to numerous turf-scrapes made beside existing colonies (or where not seen for some years). Nearly all of these scrapes, made to expose bare peat, became colonised with Marsh Clubmoss in only two or three years.

National Status: Not Scarce, Native
Bern Convention
EU Habitats and Species Directive

S Hants: Rare or Extinct

Native

Formerly this clubmoss seems to have been a localised but reasonably persistent plant on the northern New Forest. Also recorded in the 19th century from near Denny Wood (SU20) and from Stricknage Wood (SU21R). Latterly it has appeared in impermanent situations along forestry rides where it has lasted only a few years. Recent attempts to re-find it in its most recent station at Hen Wood have been unsuccessful.

SE of Newlands Plantation	SU1708	c.1910-1987		
Broomy Plain & Inclosure	SU2010, SU2011	c.1910-1958		
Near Sloden Inclosure	SU2012	c.1910		
Cadmans Pool	SU2212	1974-1975		
A333 Staple Cross	SU6109	1974-1990		
A333 Staple Cross	SU611098	10-Jun-90	RPB	A333 [later B2177], sandy road bank 35 yds from x roads invaded by birch 30 plants over 10 years.
Staple Cross, North Boarhunt	SU611099	1974	JCD	
Hen Wood, East Meon	SU6622	1978-1990		
Hen Wood E	SU661221	10-Jun-90	RCS	Hen Wood, East Meon. Rare, dead remains of plants.
Hen Wood, East Meon	SU662222	1978	JF	On bare clay-with-flints in pit along ride NE corner. Det AB Hb AB.
Havant Forest	SU7111	1975		

N Hants: Rare

Native

In 2003 the last surviving plant near Warren Heath was not healthy and since then the scrub cover increased, so it may finally have been lost. However, in this area during winter 2010/2011 Plantlife conducted major scrub-clearing, pond creation and heathland restoration operations through the creation of extensive scrapes, giving cause for optimism. This site is presumably close to Miss Kingsley's c.1870 site given as "Above old sand-pit on road from Eversley Vicarage to Bramshill Park", but she also recorded it at "Hartfordbridge Flats" which was probably a different site.

On 23 Jun 2009 a new site was found by CRH between Fleet and Aldershot. This area was cleared of established woodland in 2001 for the flight-path into Farnborough Airfield, so was quite heavily disturbed, evidently encouraging spore germination. Sadly some of the total of 28 small plants died soon after their discovery. This was initially thought to be due to drought conditions, but it was later concluded that it had probably been unintended damage from herbicide spray used to control scrub.

Chawton Park Wood	SU6736	1948-1974		
Warren Heath area	SU7659	1870-2003		
Pond W of Warren Heath	SU766597	22-Jul-02	CRH	Still persists at Heath Warren Pond, 1 plant with 4 branches, new growth apparent.
Pond W of Warren Heath	SU766597	24-May-03	CRH	1 plant still survives, just, found buried by fallen leaves. Most of the plant appeared dead or dying, but 1 vigorous green stem was 9cm long.
Heath Warren, Bramshill	SU767597	2002	CRH	Warren Heath. Still present, one plant.
Woolmer Forest	SU8033	1931		

Long Valley, NW of Long Valley, NW of	SU8352 SU832526	2009-2010 29-Jul-10	CRH	Three plants / small compact groups refound at the 2009 site at SU8326 5268. Much scrub clearance and flailing of gorse during winter, therefore the site is far more open and exposed now.
Long Valley, NW of	SU832527	28-Jul-09	ARGM	Within this 100m square, the one (very small plant) at SU83260 52701 is very sickly (i.e. yellowed). The three at SU83253 52701 are all very sickly. Of the three at SU83253 52704 two are already dead (i.e. brown), but one might survive.
Long Valley, NW of	SU8352	22-Aug-09	CRH	CRH returned and reported: 'Not time for a systematic search but I refound 22 plants, 17 alive and apparently healthy, two part dead but with a living branch and three dead.... which is worrying though not as desperate as FJR had indicated.... I concede the 'missing' six may be dead as well.'

***Lysimachia thyrsiflora* L.**

Tufted Loosestrife
1956-1996

National Status: Scarce, Native

S Hants: Rare

Neophyte

There is a puzzle connected with this plant, which is far from its native range in northern Britain. It was first noted in Burley Manor Pond (SU2103) in 1956; but the specimen deposited in Hampshire County Museum Service is not this, being pubescent as well as glandular and having the wrong leaf outline. A population was recorded at Rhinefield (SU2603) in 1984-1996 by Paul Bowman, whose botanical skills cannot be doubted. However there is no voucher in his herbarium at HCMS; and MR, EJC and others have failed to refind it despite a detailed description of the location. EJC comments that he has subsequently found there a taxon much resembling *L. thyrsiflora* when young, but clearly an unusual and undescribed variant of *L. vulgaris* (or a cryptic species), that is either a sterile triploid or self-sterile. This is presumably the plant that RPB encountered.

N Hants: Not Recorded

***Malva setigera* Schimp. & Spenn.**

Rough Marsh-mallow
1916-2009

National Status: Unlisted, Scarce, ?Native
WCA Schedule 8

S Hants: Rare

Casual

Also recorded in the Southampton Common and Swaythling areas (SU41) in the early 20th century, but with no indication that it was more than a casual then.

Harbridge SW of Bleak Hill	SU1310 SU134105	2000 01-Sep-00	GDF	
Hedgemoor Copse Hedgemoor Copse	SU2631 SU264316	1987 28-Jun-87	VW	'Disturbed ground by old chalk-pit in arable field, two or three plants. ('... There is little doubt it was introduced with other casuals'. [By 21/7/1987 - 'No trace of Althaea, pit filled in.' See also: notes on back of BRC 5-71 Card, VC11]
Plaitford A36, Plaitford	SU2819 SU281192	1990 24-Jun-90	MC-B	Outside 'Forest View'. N side of road, ... at end of x <i>C. leylandii</i> hedge outside garden. [Conf. RPB, 5-6/7/90 : 3 multi-stemmed plants in flower. RPB considers it an introduction, probably with imported soil.]
West Wellow & Plaitford	SU282193	11-Jul-90	RMV	Plaitford.

Shirley, Southampton SU3914 1966

N Hants : Rare

Doubtfully Native

The 1996 *Flora* regarded the site at Hannington Down as possibly native, and the same could be said of the site near Overton where in some years there have been over a hundred plants.

Morn Hill, Winchester SU5129 2002

Morn Hill SU518292 11-Jul-02 PAB

Overton area SU54 2001-2009

Overton area SU54 07-Aug-09 JRM Just two young plants seen. Precise site details withheld at request of farmer.

Itchen Stoke SU5532 1916

Hannington Down SU5554 1966-1976

***Marrubium vulgare* L.**

White Horehound 1768-2005

National Status: Scarce, Native and Introduced

S Hants: Rare

Neophyte

Reported by Townsend (1904) as cultivated near Wootton and Bashley to the south of the Forest and recorded in the early 20th century from Portsea and from south of Petersfield (SU72). Persistent at Hyde Common but now in very small quantity; otherwise a very rare casual.

Abbots Well, Hyde SU1712 1965-2005

Common
Hyde Common East SU174126 22-Jul-86 Anon HBIC record. Occasional.
Nr Ogdens, Hyde SU175122 1982 SHa & GHa Hyde Common. Rough grass area between rough track leading to Abbot's Well and row of cottages facing common.
Abbots Well SU177128 16-Jul-05 PRD Adjacent to an interpretation panel on the Abbots Well car park – now removed but a post left in place.

Southampton SU4312 2003

Princes Street Depot, Southampton SU433127 24-Sep-03 PAB One plant.

West Leigh SU7208 1997

West Leigh SU722087 13-Jun-97 JRWH One or two plants flowering (among much Creeping Yellow-cress apparently as weeds in a flower bed mainly devoted to shrubs opposite the coach park in Sir George Staunton Country Park carpark.

N Hants: Rare

Neophyte

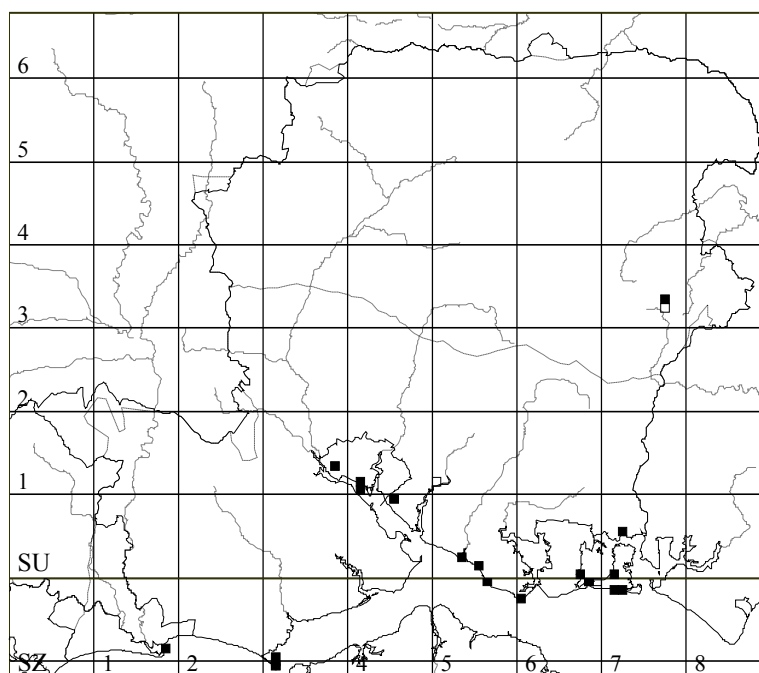
Rarely found on waste ground, field edges or road verges. The 1996 *Flora* refers to several sites in the Selborne area dating back to Gilbert White in 1768, and comments that it may have been cultivated in that area to produce cough mixtures.

Meon Hill SU3435 1997

Meon Hill SU3435 24-May-97 RMW & TDi et al [This record has been attributed to VC12 but most of Meon Hill is in VC11 – ARGM]

Wallers Ash, South Wonston SU4836 1990-1992

Wallers Ash, South Wonston SU489364 1992 MK Edge of cornfield, Wallers Ash.

Medicago polymorpha* L.*Toothed Medick
1851-2010****National Status: Scarce, Native and Introduced****S Hants: Infrequent**

Native

Also recorded at Hengistbury and Mudeford in the 1950s, where it should be searched for again; at Keyhaven (which may be the Hurst Spit locality); and from Fareham (SU50) in 1933. There is also a 2008 record from Warblington (SU7205) that needs confirmation. Sometimes occurring as a casual introduction.

N Hants: Rare

Probable Neophyte

There are also older tetrad-level records for Binstead, Crondall and Hartley Wintney, but it is not thought to be a native species in VC12.

Blackmoor area	SU7732, SU7733	1972-1998		
Blackmoor, SW of	SU7732	13-Oct-72	SRD	In raspberry crop manured with shoddy, Blackmoor Estate. HCMS specimen.
Blackmoor, Church Field	SU778334	1998	AB	Hb.AB Specimen Bi2003.24.401, 16 years after shoddy used.

Medicago sativa* L. subsp. *falcata* (L.) Arcang.*Sickle Medick
1874-2006****National Status: Scarce, Native and Introduced****S Hants: Rare**

Neophyte

Although sometimes considered native in East Anglia, a rare and sporadic introduction here.

Middle Chine, Bournemouth	SZ0790	1950- ?1966
Western Docks, Southampton	SU4111	1956
Bishopstoke	SU4619	1874

Portsdown, Cosham	SU6606	2003-2006		
Portsdown The George S of George Inn, Widley	SU667062 SU667063	21-Jun-06 27-Jun-04	JGood MR	Patch maybe a bit smaller than in recent years. On embankment of slip road onto northbound A3 S of B2177.
Portsdown Hill Road Slip, Cosham	SU667064	10-Jun-04	JRWH	'Also just starting to flower is the roadside Sickie Medick by the London Road'.

N Hants: Rare

Neophyte

There are only casual roadside records, where it may have been introduced with grass-seed mixtures.

Flexcombe, by A3	SU7626	2001		
Flexcome, by A3	SU768269	Jul-01	SP	Beside Liss turning off A3.
West Liss, N of	SU7729	2001		
West Liss, N of	SU773295	Jul-01	SP	Many plants on and near roundabout on A3.

Melampyrum arvense L.

Field Cow-wheat
1863-2008

National Status: Unlisted, Rare, Possibly Native
WCA Schedule 8

S Hants: Rare

Neophyte

An extremely rare casual until it was introduced onto a chalk embankment above the M27 at Portsdown, Portchester where it has persisted for over 10 years.

New Park, Brockenhurst	SU2904	?1863		
Nr Boyes Copse, Owslebury	SU5022	1927		
Skew Road, Ports Down	SU6106	1997-2008		
Skew Road / Nelson Lane, Ports Down	SU613066	22-Jun-99	JAN, DRA & EJC	Top of motorway.
Portsdown Hill W (Skew)	SU613067	06-Jun-05	EJC, AAB & GTDW	c.25 in 12-15ft length. Top of motorway embankment.
M27 verge	SU614066	17-Jun-05	JAN, DRA et al.	100+ stems in flo. or bud over 5 1/3 metres.
Lark Hill	SU614067	22-Jun-99	AHP	
Skew Road	SU615066	22-Jun-05	JGood	C. 150. some in the rough car-parking area this year.
A27 Lark Hill, Portchester	SU616066	Jun-08	DSav	50+ plants with in 6 to 8ft. of the fence where contractors have disturbed the area laying a cable duct, but no sign of plants outside the disturbed area.

N Hants: Extinct

Neophyte

There is a record in Rayner's Supplement (1929) for "Guestwood, Alton" by Austin Chadwick, specimen in Hb.Druce.

Melittis melissophyllum L.

Bastard Balm
1770-2010

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Scarce

Native

Best known to botanists from a few woods in the southern New Forest, it formerly had a wide but scattered distribution in the western half of South Hants, chiefly on the lower Tertiaries, and a few sites in the northern Forest. Townsend (1883) quotes recorders: "not unfrequent in woods and hedges about Tytherley and Mottisfont" (SU22 / SU32) and "plenty of this in a wood [West Wood] adjoining to Netley

abbey" (SU40P). Also recorded from the Whitsbury area (SU11J, SU12F) from 1837 to 1960, in Red Shoot Wood (SU10Z), at Melchet (?SU22P or SU22Q), near Pennington (?SU39C), in Parkhill Inclosure (SU30C or SU30H), and in Knightwood Copse, Chandlers Ford (SU42F). The record for "Sherborne English" in Rayner (1929) must refer to Sherfield English given the catchment area it is placed in.

From most sites it appears to have been lost quite recently, so that away from the southern Forest it can now only be found in modest numbers in a lane at Sherfield English, where it was also previously recorded in quantity in the adjoining Sack Copse. MR and others have repeatedly searched Ampfield Woods, until recently a remaining stronghold, without success in the last few years. While outright site destruction is occasionally the reason (e.g. Brokes Copse, Lockerley, partially destroyed 1965), shading in unmanaged or coniferised woodland is probably the main cause of its decline; hence there is the possibility of its reappearance if glading or coppicing were renewed.

Breamore Wood area	SU1319, SU1419	1939-1963		
Pinnick Wood	SU1907	1957-1971		
Holmsley Inclosure	SZ2299, SU2200	1970-2010		
Holmsley Inclosure, Wootton	SZ223998	1975	JE	Holmsley. Near Sanguisorba.
Holmsley Inclosure	SU221003	18-Jul-70	RPB	Wooded banks beside inclosure ride. V. local, few groups and scat. plants.
Holmsley Inclosure	SU221003	01-Jul-71	RPB	Wooded banks beside inclosure ride. "Groups of 24 and 7 stems beside ride and 16 plants along ditch banks adjacent", noted on card for 18.7.1970.
Holmsley Inclosure	SU221003	15-Jun-91	AEB	Bank S side of grass ride, in felled area. R. 1 flg plant.
Holmsley Inclosure	SU222001	Jun-87	AEB	
Holmsley Inclosure	SU222004	10-Jul-97	NMR	Woodland glade. Some healthy looking plants with a few small ones. May be increasing.
Holmsley Inclosure	SU222005	08-Jun-97	LBa & AJBa	
Holmsley Inclosure	SU223001	17-Jul-00	BGo & JGo	17 & 29 Jul 00. 20-30 plants mostly fruiting in area 10 x 2m. Mixed decid. woodland margin. Alt: 50m. Aspect: NW Slope: on bank. Subst: heavy loam. Assoc. sp. of interest – Sanguisorba officinalis L. With sketch map.
Holmsley Inclosure	SU223001	30-May-10	SCu	North side of stream through Inclosure, SU2232 0018.
Holmsley Inclosure	SU223002	25-Jul-87	RPB	Open conifer plantn N of stream. R. 2 plants.
Nr Cadman's Pool, Ocknell Plain	SU2212	1975		
Brownhill Inclosure / Wootton Coppice	SZ2399, SU2300	?1863-20010		
Wootton Coppice Inclosure	SZ231997	26-May-69	RMB	
Brownhill Inclosure, Wootton	SZ235999	1979	RPB	
Brownhill Inclosure	SZ236998	08-Jul-85	RPB	Bare clay bank W side of gravelled ride. Very local, 33 plants (7 flg).
Wootton Coppice Inclosure, Wootton	SZ238997	15-Jun-08	WGH	2 good spikes at SZ23882 99722 on bank of small stream just after cross-roads and wooden bridge
Wootton Coppice Inclosure, Wootton	SZ238997	06-Jun-10	MR & GCo	24 flowering and non-flowering stems at SZ2386 9973, 2387 9972. Flowering spikes browsed.
Brownhill Inclosure, Brown Hill	SZ238999	1977	RPB	nr Brown Hill. Bushy clay banks W side ride. Local. (30, 1977), (57 stems 1971)
Brownhill Inclosure, Wootton	SZ239995	25-Jun-77	RPB	SZ239995-6. Young pine/oak plantn. Very local, c.40 plants in 5 patches.
Brownhill Inclosure, Wootton	SZ239996	25-Jun-77	RPB	Gravel ride verge and ditch banks. Very local, c.80 plants.
Brownhill Inclosure	SZ239999	30-May-98	VS	

Brownhill Inclosure, Wootton	SU236001	05-Jul-71	RPB	SU236001 etc. nr. Brown Hill. Bushy ride banks. Local, 27 flg, 30 sterile.
Brownhill Inclosure, Burley	SU238001	28-Jun-00	MEY	Steep N-facing slope down from gravel ride in F.C.-managed oak/beechn woodl. Qty: 2 non-flg, 3 flg (Total 5) in area 1 x 4m. Alt: 14m. Aspect: N. Slope: slight [?]. Substr: Barton clay. With sketch/map & assoc. spp. list.
Brownhill Inclosure, Wootton	SU238002	06-Jun-94	PAB	SU238002 – SZ242999. Very local, 86 flg.
Wootton Coppice Inclosure	SZ2499	1863-2010		
Wootton Coppice Inclosure	SZ240996	15-Jun-08	WGH	In small ditch beside ride just after crossing deep ditch – both sides of ride but hidden in bracken, SZ24034 99660.
Wootton Coppice Inclosure	SZ240996	06-Jun-10	MR & GCo	8 flowering and non-flowering stems at SZ2402 9966, SZ2402 9965.
Wootton Coppice Inclosure	SZ240997	06-Jun-94	PAB	Very local, 17 flg plants.
Wootton	SZ241999	07-Jul-96	VS	
Wootton Coppice Inclosure	SZ242999	06-Jun-94	PAB	SU238002 – SZ242999. Very local, 86 flg plants.
Wootton Coppice Inclosure, Wootton	SZ243997	1977	RPB	
Ocknell Inclosure	SU2411	1950		
Sack Hill, Sherfield English	SU2821, SU2822	1992-2010		
Sack Hill, Sherfield English	SU282222	2003	JMill	In hedgerow, SU2821 2222.
Sack Hill, Sherfield English	SU283220	02-Jun-10	MR & GCo	80 flowering / non-flowering stems.
Sack Hill, Sherfield English	SU283221	21-May-00	MR	In hedge and ditch bank on W side of lane by Sack Hill Copse, over about 20m. 16 plants, 3 flowering.
Sack Copse, Sherfield English	SU285219	1992	JHow & ILR	c.SU285219 – 285220 etc. Oak standard with hazel coppice woodland. Very locally frequent 30+ plants.
Sack Copse	SU285220	05-Aug-03	JMill	HBIC record. Rare.
Brokes Copse, Lockerley	SU2824	1964		
Bakers and Highwood Copses, Brockenhurst	SU3101	1989-2005		
Bakers Copse, Roydon Woods	SU314016	1998	PAB	Comm. PAB strong population.
Highwood Copse, Brockenhurst	SU315014	17-May-05	AEB	140 plants.
Boldre: near Rodlease House	SZ3298	1955-1965		
Newlands Copse, Roydon	SU3201	1988-2005		
Newlands Copse	SU321010	1990	AEB	Coppiced deciduous wood, W of ride. Rare, 19 plants.
Newlands Copse	SU321011	06-Jun-10	MR & GCo	57 flowering and non-flowering stems at / near SU3219 0118.
Newlands Copse	SU321012	06-Jun-10	MR & GCo	169 flowering and non-flowering stems from SU3218 0120 to SU3215 0122 with an outlier at SU3214 0123.
Newlands Copse, Roydon Woods NR	SU322011	17-May-90	RPB	Coppiced wood along ditch bank and to S. Very local, 21 flg plants.
Newlands Copse, Brockenhurst	SU322012	22-May-05	AEB	On bank and ditch. 19 plants.
Newlands Copse	SU323010	06-Jun-10	MR & GCo	29 flowering and non-flowering stems at SU3237 0108, mostly browsed. 34 non-flowering stems at SU3237 0109 in shade. Around trunk and root-plate of fallen tree. Found by CC.
Newlands Copse, Brockenhurst	SU323013	22-May-05	AEB	On bank and ditch. 13 plants.
Newlands Copse	SU324010	01-Apr-01	JRow	HBIC record. Rare.
Newlands Copse, Brockenhurst	SU324011	22-May-05	AEB	12 plants.

Ampfield Wood	SU4024	1968			
Portland and Nevill's Copses, Ampfield	SU4123	1937-1988			
Portland Copse, Ampfield Wood	SU414238	09-Jul-88	RPB		Outer bank of shallow ditch on S edge of wood. Very local, 6 plants, 25 seedlings.
Knapp, Ratlake, Ampfield	SU415237	21-May-87	RMV		Nevill's Copse, Ratlake Bank of ditch between wood and meadow.

N Hants: Extinct

Native

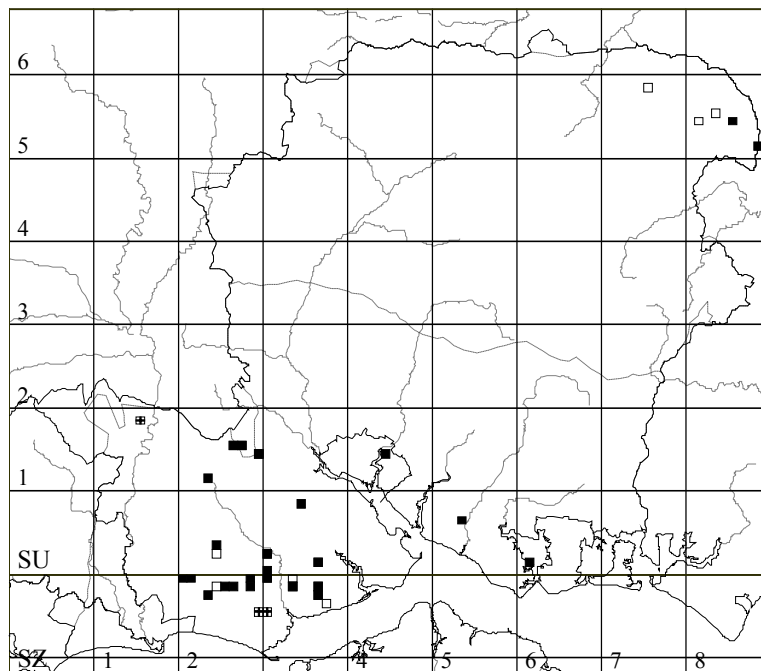
It formerly extended from its headquarters in VC11 just a little into VC12, and Townsend (1883) states "At Ovington Dr Bromfield states the flowers are nearly white'.

Ovington SU5631 1850

***Mentha pulegium* L.**

**Pennyroyal
1839-2010**

National Status: Endangered, Scarce, Native and Introduced
NERC S41
UK BAP Priority Species
WCA Schedule 8



S Hants: Infrequent

Native and Neophyte

It remains localised but sometimes abundant on the New Forest, although apparently lost from some fringing commons such as Breamore (SU1518) and Pennington (SZ2995 / SZ3095). Scattered recent records elsewhere in South Hants are introductions in resown grassland.

N Hants: Rare

Native and Neophyte

The only site where it was probably a native species is the Bramshill site, where it died out due to scrub growth.

Bramshill	SU7558	1977		
Fleet Pond, near to	SU8154	1984		
Southwood area	SU8355	1977-1983		
Farnborough, QinetiQ	SU8554	2003-2008		
Farnborough, Liz's Lakes, QinetiQ	SU850544	31-Jul-03	ARGM	1m patch at SU8504 5445, conf. PJSe, presumed alien from sown grass, Hb.ARGM.
Farnborough, Liz's Lakes, QinetiQ	SU850544	28-Jun-08	CRH	Still present.
Spring Lakes, Aldershot	SU8851	2009		
Spring Lakes, Aldershot	SU883515	13-Aug-09	JMill	Locally abundant at SU8838 5156 in short turf between lakes. Site is fairly modern commercial fishing lakes. Turf is heavily trampled by fisherman and grazed by wildfowl. [Specimen conf. ARGM, who suspects that it was introduced with grass seed used for landscaping].

***Minuartia hybrida* (Vill.) Schischk.**

Fine-leaved Sandwort 1848-2009

National Status: Endangered, Scarce, Native and Introduced
NERC S41
UK BAP Priority Species

S Hants: Rare

Native and Neophyte

Formerly found on disturbed ground, railway tracks and arable on the chalk, but more recently only as a wall plant. Also recorded in the 19th century on the railway between Chandlers Ford and Romsey (SU32 or SU42), the Roman road near Farley Mount (SU32 or SU42), on a wall in Kingsgate Street, Winchester (SU42Z) where it had gone by 1917, very dubiously "uncult. furze field or heath, Shedfield" (SU51), at Botley (SU51), at Portsdown (SU60) and in the Warnford area (SU62); and at Rowner Copse (SU50) in 1919 and Hayling Island (SU70) in 1920-1922.

Kents Wood, Broughton	SU2834	1966		
Nursling	SU3614	1950		
St Leonards Grange, Beaulieu	SZ4098	1997		
Bucklers Hard	SZ406981	21-Jun-97	EBR & CR	Tithe Barn St Leonards Conf. RPB.
Owslebury	SU5123	1930		
Titchfield Abbey	SU5406	1988-2008		
Titchfield Abbey	SU541066	25-May-88	RPB	Low moss covered ledge of old brick S perimeter wall 80 plants over c20m, Hb RPB.
Titchfield	SU542066	11-Apr-97	RFG	Old Wall
Titchfield Abbey	SU541066	31-May-08	JAN & DRA	14 plants, SU5411 0665, on low ledge on old brick wall, west side of west boundary wall.
Rowner Copse	SU5801	1919		

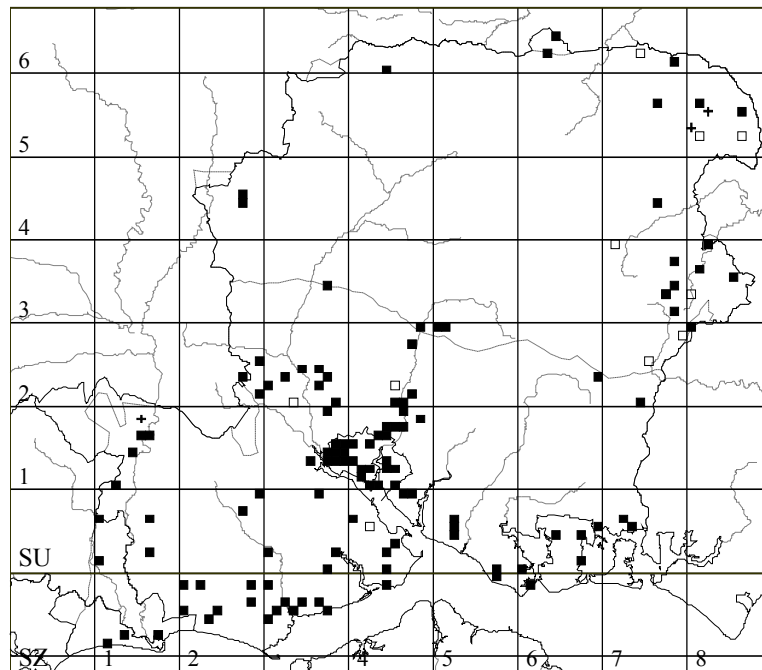
N Hants: Scarce

Native and Neophyte

It has persisted for many years in a few man-made habitats such as bare chalk spoil-heaps and on old walls, but it has declined on chalk downland, possibly because it is poor at tolerating competing vegetation.

Shipton Bellinger	SU2346	1970		
Hampshire Gap	SU2440	1968		
Porton Down, north	SU2439	2002		
W of Martin's Clump, Porton Range	SU245391	27-Jul-02	MR	Single patch in grassy track.

Porton Down, south	SU2536	1969		
Jack's Bush, Nether Wallop	SU2736	1977		
Quarley Manor Farm	SU2742	1969-1988		
Quarley Manor Farm	SU275427	30-May-88	RPB	Hb.RPB Specimen 1940, moss-covered tiled wall top.
South Wonston	SU4735	1972		
Micheldever Spoil Heaps	SU5144, SU5244	1964-1996		
Micheldever Spoil Heaps	SU519444	02-Jul-96	EAP & EJC	Three at SU51967 44449 at 10.5m SSW of electricity post.
Micheldever Spoil Heaps	SU520444	1991	AJB	About 3 plants.
Abbotstone Down	SU5836	1949		
Old Basing	SU6652	1919-2009		
Old Basing	SU662527	10-Apr-09	MN	Numerous small plants on ancient brick wall on north side of road.
Old Basing, wall	SU662528	27-Aug-00	BGo & JGo	
Old Basing	SU663527	06-May-02	BLa	[Grid ref. calculated from map. Three locations marked] 'Top of wall, with Wall Bedstraw and Rue-leaved Saxifrage.'
Old Basing, Basing House	SU664526	May-89	AB	Hb.AB Specimen Bi2003.24.121, on old wall.
Alton, Borovere Lane	SU7138	2004		
Alton, Borovere Lane	SU714386	Jun-04	SC	Along kerbside, Berehurst estate, Borovere Lane, Hb.ARGM.
Upper Froyle	SU7542	1937-2003		
Upper Froyle	SU754426	23-Jun-03	ARGM & SC	130 plants on top of wall of Lord Mayor Treloar College for 35m, SU7540 4267 to 7541 4270, Hb.ARGM.
Upper Froyle	SU754428	23-Jun-03	ARGM & SC	8 plants at SU7547 4282 on N side of road, on wall of house named St. Josephs.
Upper Froyle	SU755428	23-Jun-03	ARGM & SC	125 plants on top of wall of Lord Mayor Treloar College for 60m, SU7547 4280 to SU7550 4285, S side of road.

National Status: Vulnerable, Not Scarce, Archaeophyte**S Hants: Not Ranked**

Archaeophyte

Widespread and still reasonably common on the lighter soils of the Tertiary rocks, much rarer on the chalk. It thrives in the absence of herbicides and often does well on allotment gardens, sometimes in game cover strips along the margins of arable. There is a notably large population (along with other declining weeds of sandy arable) on the 'pick your own' fields at Ganger Farm, Ampfield (SU3723).

N Hants: Infrequent

Archaeophyte

On arable land or disturbed ground, showing a preference for light sandy or gravelly soils. Compared with the tetrad-level map in the 1996 *Flora*, there has been a significant decline, especially across the central chalk belt.

Montia fontana L. subsp. amporitana Sennen**Blinks****1889-2006****National Status: Unlisted, Scarce, Native****S Hants: Rare**

Native

This is a strikingly different plant from other subspecies, being perennial, more robust, found only in more or less permanent water, and flowering and fruiting later in the year. Often treated as a distinct species by Continental botanists. In a vegetative state it could be overlooked for *Lythrum portula*, and is probably more widespread on the New Forest than recent records suggest. There are several unlocalised old records (as *Montia intermedia* or *Montia fontana* subsp. *intermedia*): near Gorley (SU10), Holmsley (SU20), near Markway Bridge (SU20) (though from annotations this may be the same site as Mill Lawn, Burley, below), Brockenhurst (SU20 and SU30), Minstead area (SU21V), Hatchet Pond (SU30Q), Denny Bog (SU30M).

Godshill**SU1715****1974****Bransgore**
Bransgore**SZ1898**
SZ182984**1990**
15-May-90

RMV

Wet hollow in meadow. Large patch in meadow.

Mill Lawn, Burley	SU2203	2004-2005		
Mill Lawn, Burley	SU224034	01-May-04	MR	
Mill Lawn, Burley	SU225035	07-Sep-05	DRA, EJC, JAN & MR	c.SU2250 0352 two veg. patches c.10cm, & 2252 0354 several plants over strip of 60cm, with flowers/fruit, in brook.
Mill lawn, Burley	SU226035	07-Sep-05	DRA, EJC, JAN & MR	c.SU2264 0353, in ditch/tributary.
Cadnam Common	SU2915	2006		
Cadnam Common	SU294151	23-Dec-06	PAB	10 plants.

N Hants: Rare

Native

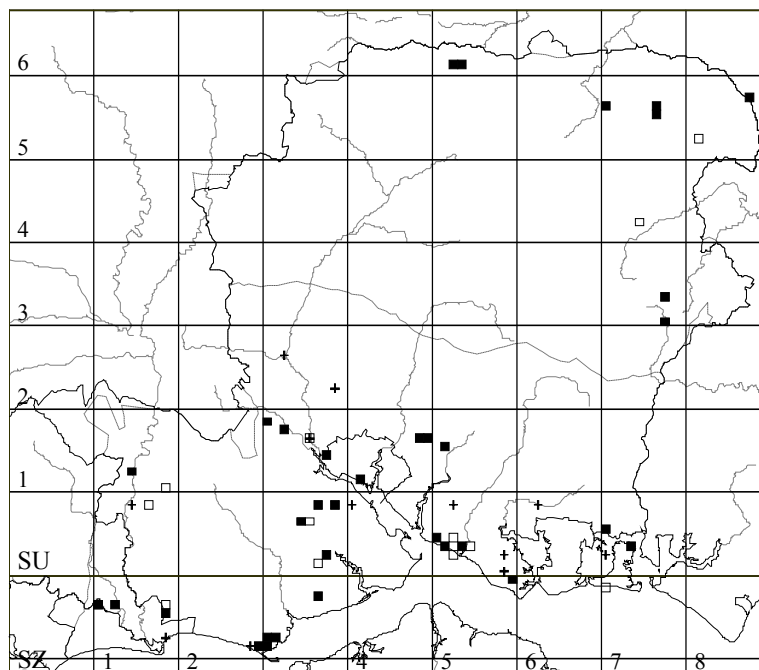
We have numerous records for *M. fontana* subsp. *chondrosperma* which prefers damp, sandy, acidic soils, often where subject to winter flooding. The very few records we have for subsp. *amportitana* also follow this pattern, and the 1996 *Flora* states that it occurs in the wettest places, or is even fully aquatic. *M. fontana* subsp. *variabilis* is regarded as extinct in VC12; the last record was at Church Field, Blackmoor in 1962 (though it may be overlooked).

Headley Gravel Pits	SU5162	1995		
Headley area	SU5162	1995	PHR & JR	<i>M. fontana</i> cf. <i>amportitana</i> , but needs confirmation. Headley Gravel Pits Nature Reserve.
Heckfield Heath	SU7261	1963		
Oakhanger	SU7637	1990		
nr. Binswood Farm, Oakhanger	SU767372	19-May-90	RMV	Hb.AB Specimen Bi2003.24.87, with seeds.

***Myosurus minimus* L.**

Mousetail
1828-2010

National Status: Vulnerable, Not Scarce, Native



S Hants: Not Ranked

Native

Although widespread enough in recent years to be given no local scarcity rating, it is often in small numbers and sometimes casual; though it can be surprisingly persistent in precarious situations.

N Hants : Scarce

Native

On damp, sandy or gravelly soils, especially where disturbed. Sporadic in appearance, and varying greatly in number from year to year.

Plastow Green Plastow Green	SU5261 SU529617	2009-2010 15-Apr-09	SPr	At SU5299 6172 in a species-poor permanent pasture field under trees by the gate where cattle gather making the ground bare and poached. Main patch is about 7m x 1.5m, but with outliers. Total estimated at c.300 plants. Photos confirmed by ARGM.
Plastow Green	SU530617	30-Apr-10	WGH	c.100 plants at SU5300 6174 by the cattle drinking trough.
Rotherwick Rooks Farm, Rotherwick	SU7056 SU708565	1996-1998 29-Apr-98	AJPB	6 rosettes in arable field.
Froyle, nr. Round Wood	SU7442	1959		
Hartley Wintney	SU7655, SU7656	2004-2008		
Hartley Wintney	SU767560	22-Apr-08	JRCo	First re-appearance here since 2005, over 500 plants on field edge near St Mary's Church.
Hartley Wintney	SU768559	02-May-04	ARGM	Thousands along field edge adjacent to churchyard SU7684 5598, Hb.ARGM. Colony stretches 73m from SU7687 5596 to SU7681 5998, in strip from 3m to 5m wide.
Hartley Wintney	SU768560	10-Jun-04	CRH	Margins of a wheatfield on E side of Hartley Wintney church, hundreds in seed.
Hartley Wintney	SU768562	22-Apr-08	JRCo	Four plants on field edge in next field to main colony.
Greatham Greatham, Catte's Nursery Greatham	SU7730 SU777306	1978-1998 12-May-78	JMe	Hb.AB Specimen Bi2003.24.21
	SU777307	1998	AB	Nursery garden.
Blackmoor Blackmoor	SU7733 SU777331	2008 01-May-08	JBu & EF	2 plants at SU7779 3312 in bare ground of field where Ted Foard propagates fruit trees on land leased from Blackmoor Estate. This field often gets sprayed with herbicides to reduce competition for the newly budded apple tree grafts, but Ted will try to conserve the Mousetail, if necessary by moving one plant to bare ground elsewhere in the field.
Church Crookham	SU8152	1982-1983		
Farnborough Green Farnborough Green, Hampshire	SU8757 SU875573	1995 01-May-95	SBai	Approx. grid ref. 12 plants found by SBai early May 1995, seen & conf. CRH 11 May. S of Frimley, close to the new Blackwater Valley Road, but definitely in Hampshire, on ground disturbed last winter'. 'I would estimate 875573, but that could be in error by 250 yds in any direction'.

Myriophyllum verticillatum* L.*Whorled Water-milfoil
1799-2003****National Status: Vulnerable, Not Scarce, Native****S Hants: Rare**

Native and Neophyte

The 19th century records show this to have been a widespread if not a common plant, present in all the main river systems and several canals. It has gone from all of these sites. The one recent record is a presumed introduction.

**Mans Bridge,
Swaythling** **SU4415** **1960-1975**

Fort Brockhurst, Gosport	SU5901, SU5902	2002-2003		
Fort Brockhurst W	SU594020	31-Aug-03	PJSe, EJC, JAN, DRA & KH	Moat.
Fort Brockhurst S	SU595018	19-Jul-03	JAN & DRA	SU5957 0186 A(edges)-D (mid-moat). ID PJSe 31-Aug-2003.
Fort Brockhurst, NW	SU595020	16-Jun-02	JAN & DRA	In the moat, near fishing platform.
Fort Brockhurst NW	SU595022	18-Jul-03	JAN & DRA	(Originally as Myriophyllum sp. (spic? altern?)) with feather-like leaves.
Fort Brockhurst N	SU596022	19-Jul-03	JAN & DRA	SU5969 0224, c.90m from road,
Fort Brockhurst NE	SU597022	19-Jul-03	JAN & DRA	

N Hants : Extinct

Native

Townsend (1883) gives records at five sites in VC12, the last of which was at North Warnborough in 1897.

Neotinea ustulata (L.) R.M. Bateman, Pridgeon & M. W. Chase

Burnt Orchid
1799-2010

National Status: Endangered, Scarce, Native

EC CITES

NERC S41

UK BAP Priority Species

S Hants: Rare

Native

There are 19th-century records for the western Forest (location not known), Romsey (this might be the Bossington site), and Pink's Hill, Warnford. Also recorded from the Whitsbury area (SU12A) in 1936 and south of Ashley (SU32Z) in 1911. Now confined to one site where it is the early-flowering form, and can usually be reliably found in modest numbers. The Bossington site was interesting for being in a watermeadow on chalky alluvium. It was destroyed by planting up with Poplars.

Bokerley Ditch and Martin Down, Martin	SU0418, SU0419, SU0518	1963-2010		
Bokerley Ditch, Martin Down	SU043189	07-Jun-08	HFG	At SU04376 18944.
Martin Down-Cpt 10	SU046188	31-May-05	JAN	1 spike at SU 0460 1888.
Martin Down	SU048188	30-May-09	HFG	6 At SU0482 1880.
Bokerley Ditch, Martin Down	SU042191	24-May-09	MR	SU0427 1911.
Bokerley Ditch, Martin Down	SU042192	04-Jun-05	JAN	3 spikes at SU 0421 1927.
Martin Down	SU042195	31-May-91	MJYF	SU045190-042195. Very local, scat. plants, 2 white fl'd.
Martin Down	SU043190	07-Jun-08	HFG	8 at SU04334 19033.
Martin Down NNR	SU043191	07-Jun-87	RPB	40-50m E of Bokerley Ditch, Martin Down. Short chalk grassland on slight ESE slope. Very local, groups of 10, 16 =28+ (SU043190-1).
Martin Down	SU043192	09-Jun-85	MNJ	Chalk grassland and on earthworks. Very local, 20+[plus] spikes.
Martin Down	SU043194	10-Jun-98	MNJ	Martin Down .
Bokerley Ditch, Martin Down	SU045190	31-May-91	MJYF	SU045190-042195. VL scat. plants, 2 white fl'd.
Martin Down	SU045192	31-May-91	MJYF	On area ploughed c.1957. VL. c.25 plants.
Martin Down-Cpt 9a	SU050187	30-May-74	RPB	SU042192 – 050187 etc. Bokerley Ditch, Martin Down. 142 spikes.

Martin Down	SU050189	25-Aug-91	AJBa & LBa	
Bokerley Dyke, Martin Down	SU051185	31-May-05	JAN	1 spike at SU 0510 1859.
Martin Down	SU051187	30-May-09	HFG	5 at SU05197 18746.
Bokerley Ditch, Blagdon Hill	SU052182	13-Jun-70	Anon	[Rec'r MN Jenkinson ? see RPB sheet] Short chalk turf of earthworks. 3 spikes. RPB !
Martin Down	SU053186	24-May-09	MR	Rare, at SU0533 1869.
Martin Down NNR	SU053187	14-Aug-87	ENa	HBIC record. Locally frequent.
Martin Down	SU054188	31-May-00	FR	
Bokerley Ditch, Blagdon Hill	SU055181	07-Jun-73	RPB	SU055181 etc. Short chalk turf on earthworks and adjacent down. Rare, 14 spikes.
Martin Down	SU056182	28-May-88	MNJ	
Martin Down	SU056187	25-May-07	DHa & JEWi	5 at SU0560 1874. 9 at SU0562 1874. 3 at SU0563 1973. 2 at SU0564 1873. 15 at SU0565 1871.
Martin Down	SU056187	04-Jun-10	NJ	9 spikes.
Martin Down	SU056188	31-May-91	MJYF	Very local, 30 – 40 plants.

Bossington SU3328 1953-1962

N Hants : Rare

Native

There are now only two extant sites in VC12. The late-flowering form thrives in the shortest turf on the ancient earthwork at the top of Ladle Hill, but varies greatly in number year to year, from less than 10 to over 250 flower spikes. The habitat for the early-flowering form at Porton Down is an unusual patch of 'chalk-heath' with lime-loving and lime-hating plants growing in close proximity.

Porton Down	SU2436	1993-2004		
Porton Down	SU243366	29-May-04	HFG	3 in flower plus 2 not flowering, at SU2437 3662, with Calluna within 1m.

Danebury Hill	SU3237	1955-1989		
Danebury Hill	SU3237	25-May-89	FR	1 only.
Danebury Hill	SU325375	1988	FR	
Danebury Hill	SU326376	1985	PJW	Several spikes in short grassland on east-facing slope.

Worthy Down	SU4534	1931-1952		
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Old Burghclere Limeworks	SU4757	1985		
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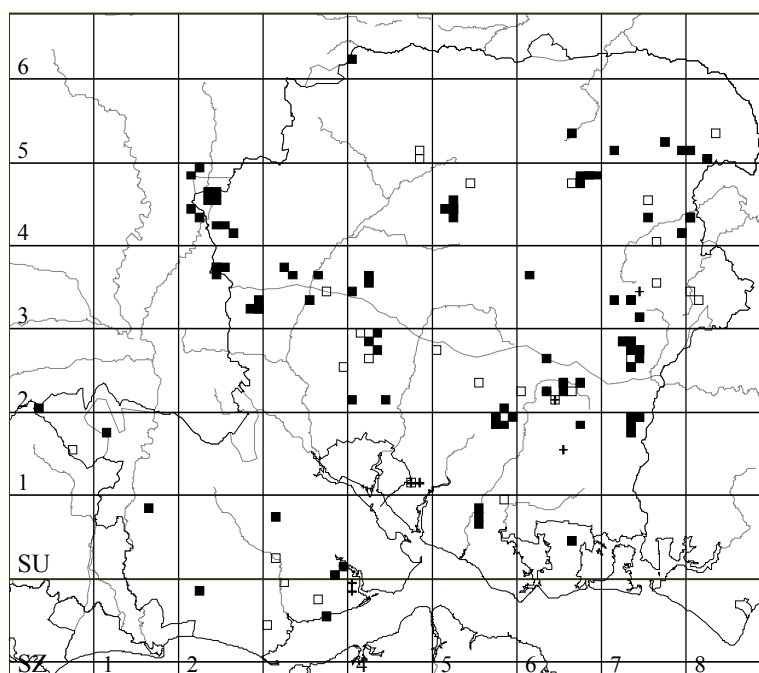
Ladle Hill	SU4756, SU4857	1944-2010		
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Ladle Hill	SU477567	09-Jul-07	NJ & RWe	Total of 190+ for whole site, 19 at SU47798 56759 and over 50 at SU47790 56763.
Ladle Hill	SU477568	24-Jul-05	ARGM & HFG	12 flower spikes noted but all gone over (and pouring with rain so search abandoned).
Ladle Hill	SU478567	22-Jul-10	GKn	Counted 30 but possibly many more as all had finished flowering in very dry weather.
Ladle Hill	SU478568	30-Jun-10	JHas	Five flower spikes noted.
Ladle Hill	SU479567	09-Jul-07	NJ & RWe	Total of 190+ for whole site, Over 50 at SU47966 56785.
Ladle Hill, Sydmonton	SU479568	09-Jul-07	NJ & RWe	Total of 190+ for whole site, 10 at SU47977 56849 and 7 at SU47978 56819.
Sydmonton Ladle Hill	SU479569	21-Jul-04	PBi	Probably in excess of 100 plants.
Ladle Hill	SU481570	18-Jul-05	ML & RC	Fewer seed heads than previous years.

Ashley Warren Down	SU4856	1980-1984		
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Watership Down	SU4956	1979-1992		
Watership Down	SU495569	1988	MJYF	
Watership Down area	SU4956	1992	DLa	Two plants of the late-flowering var. aestivalis.
Watership Down	SU499569	1979	SRD	One plant, just N of Gallops fence.

Cannon Heath Down	SU5156	1979		
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Neottia nidus-avis (L.) Rich.**Bird's-nest Orchid****1774-2010****National Status: Near Threatened, Not Scarce, Native****EC CITES****S Hants: Not Ranked**

Native

In beech woods or mixed deciduous woods in shade, usually but not exclusively on the chalk. Many populations are small, but large numbers have been recorded at Galley Down, Bishops Waltham (SU5719) and Newbarn Hanger, Buriton (SU7317).

N Hants: Not Ranked

Native

Many scattered sites, but often with only a few plants. In bare leaf-litter beneath shady deciduous woodland, mainly on chalky soil.

Nepeta cataria L.**Cat-mint****1618-2010****National Status: Vulnerable, Not Scarce, Archaeophyte****S Hants: Scarce, Declining**

Archaeophyte

In hedgebanks and field baulks almost exclusively on the chalk, but appears to be in catastrophic decline. In 2007 Phil Budd conducted a survey of all known sites in the county and found none in South Hampshire. There are 19th century records from the Avon valley. The first record was by Goodyer on a wall at Droxford.

Mizmaze Hill	SU1420	1879-1964		
Stoney Cross	SU2511	1997		
Stoney Cross	SU255118	04-Sep-97	RPB	One plant in roadside ditch over gas pipeline.
Lower Brook	SU3327,	?1841-		
King's Somborne,	SU3427	1998		
Lower Brook	SU339278	14-Jul-98	RMV	

Horsebridge Horsebridge Station	SU3430 SU342302	1998-2000 18-Aug-00	PJS	S of Horsebridge Station E of footpath. Appears to be same site as RMV site (1998) BAP Form submitted.
Horsebridge Fm, King's Somborne	SU343303	29-Aug-98	RMV	S of Horsebridge Station E of footpath.
Ashley nr. Hanging Wood, Ashley	SU3929 SU392292	1990 12-Sep-90	JRow	Single plant on disturbed ground.
Port Lane, Hursley	SU4426	?1850-1976		
Twyford Down	SU4927, SU5027	19??-1984		
Telegraph Hill, Chilcomb Telegraph Hill, Chilcomb	SU5227 SU520282	1964-2006 13-Jul-00	BGo & JGo	6 Along side of track, flowering well.
Telegraph Hill, Chilcomb	SU521281	24-Aug-06	PAB	Flowering well this year, SU52182813.
Telegraph Hill	SU522281	26-Jun-00	MR	3 plants. Could not be found 2002 (grassy bank damaged and overrun with rank vegetation).
Horsea Island Horsea Island Horsea Island	SU6304 SU6304 SU633047	1961-1999 17-Jul-99 04-Sep-61	GFa AWW	HCMS sheet Bi1986.1.947. 'found at Horsea Island, Portsmouth, Hampshire'.
Paulsgrove Chalkpit	SU6306	1950		
Tipner Tipner	SU6402 SU6402	1993 30-Jul-93	RBa	Waste-ground.

N Hants: Scarce

Archaeophyte

In open habitats on hedgebanks, road verges and arable field edges, mainly on the chalk. Declines with increasing competition and shading, but can revive with soil disturbance.

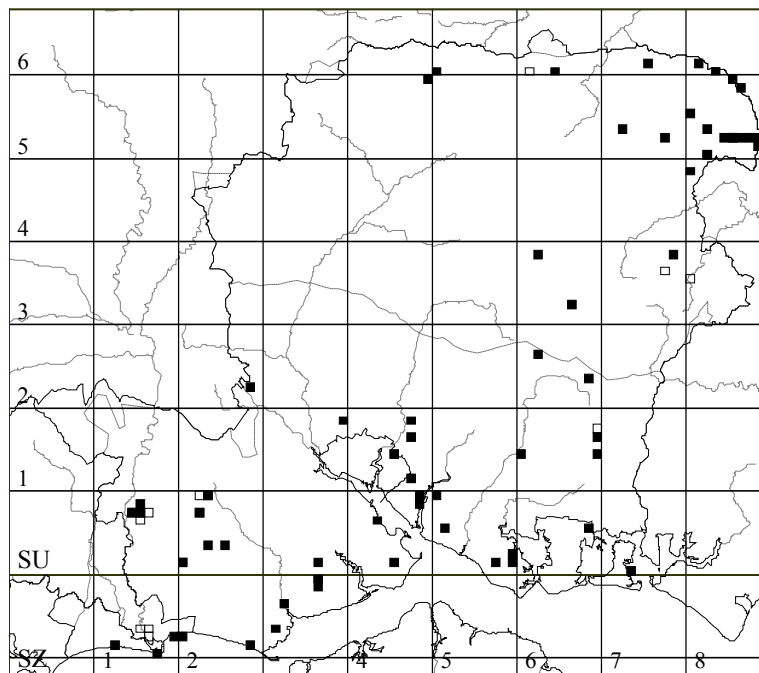
Thruxton Thruxton Race Circuit, S of	SU2744 SU276449	2009-2010 10-Oct-10	ARGM & HFG	Only two flowering plants, at SU2768 4499 and SU2769 4499.
Nether Wallop	SU3037	1967		
Stockbridge Down Stockbridge Down – East	SU3834 SU381347	2005-2007 29-Jul-07	PAB	2 small plants with flowers in recently cleared area.
Chilbolton	SU4039	1969		
Magdalen Hill Down Magdalen Hill Down Extension	SU5129 SU510291	2002 02-Aug-02	PAB	
Alresford, N of Alresford	SU5834, SU5835 SU580349	2007-2008 12-Aug-07	GFa	Solitary plant beside footpath in corner of unsprayed eastern headland of field south of Coombe Farm. Conf. ARGM 28 Aug 2007, who found over 200 plants nearby on field headlands.
Alresford	SU580350	10-Jul-08	BGo, JGo & MR	
Alresford, S of Appledown Lane	SU5930 SU594303	1999 15-Sep-99	JRow	HBIC record.
Hackwood Park	SU6549	1962		
Farnfield Farm, Privett Mere Pond, NE of Privett	SU6827 SU683271	1998 17-Aug-98	GJ & NJ	Roadside hedge near Farnfield Farm, Privett. [Not refound PAB 31 Jul 2007, habitat now unsuitable.]

Greywell Greywell	SU7151 SU716512	1961-1991 1991	AJPB	[Not refound by PAB 31 Jul 2007, though habitat suitable.]
Alton	SU7139	1949		
Blackmoor	SU7734	1923		
Lode Farm, Kingsley	SU7737	1968		

***Nymphoides peltata* Kuntze**

Fringed Water-lily
1837-2010

National Status: Scarce, Native and Introduced



S Hants: Not Ranked

Neophyte

Not considered native in South Hampshire. Widely but thinly scattered in ponds, gravel pits and lake margins, more rarely in streams. Persistent and more or less stable at some sites.

N Hants: Infrequent

Neophyte

Not native in VC12. A decorative species that is often introduced into ponds. Initially it can spread rapidly, but then can decrease in a hard winter, as at Bourley. It was introduced into Rushmoor Flash c.1979 and from there became established in several places along the Basingstoke Canal. With the onset of recreational boating it persisted at least until 2002 but is now probably lost from the canal.

Oenanthe aquatica* (L.) Poir.*Fine-leaved Water-dropwort
1842-1996****National Status: Not Scarce, Native****S Hants: Probably Extinct**

Native

Noted by Townsend in the catchments of the Stour, Avon, Lymington River, Test, Itchen, Meon and in Gomer Pond in Gosport; its only comparatively recent records are given below. Doubts have been raised over the correctness of the historic River Stour records in neighbouring Dorset.

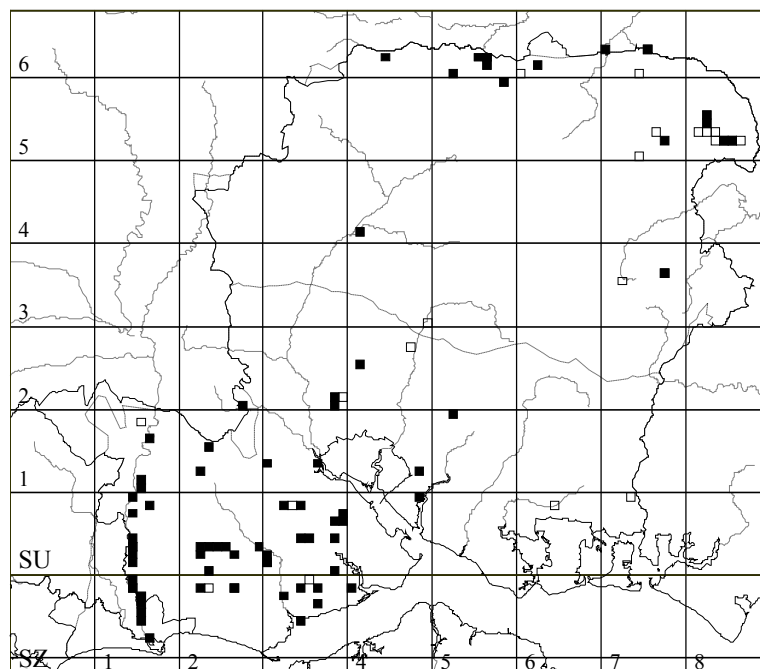
Iford Bridge	SZ1493	1964
Stanpit Marsh	SZ1692	1960
Keyhaven Marshes	SZ3191	1959-1968

N Hants: Rare

Native

There is also an unlocalised record for Fleet Pond in 1980, and much older records for Silchester and Winchester.

Hartley Wintney	SU7755	1977		
Aldershot	SU8851	1996		
Blackwater Valley, Aldershot	SU887515	26-Aug-96	CRH	Lakeside Park/The Gold, one plant in small pond that is seasonally waterless but muddy, conf. FR. (Originally found by SBai).

Oenanthe fistulosa* L.*Tubular Water-dropwort
1768-2010****National Status: Vulnerable, Not Scarce, Native****NERC S41****UK BAP Priority Species****S Hants: Not Ranked**

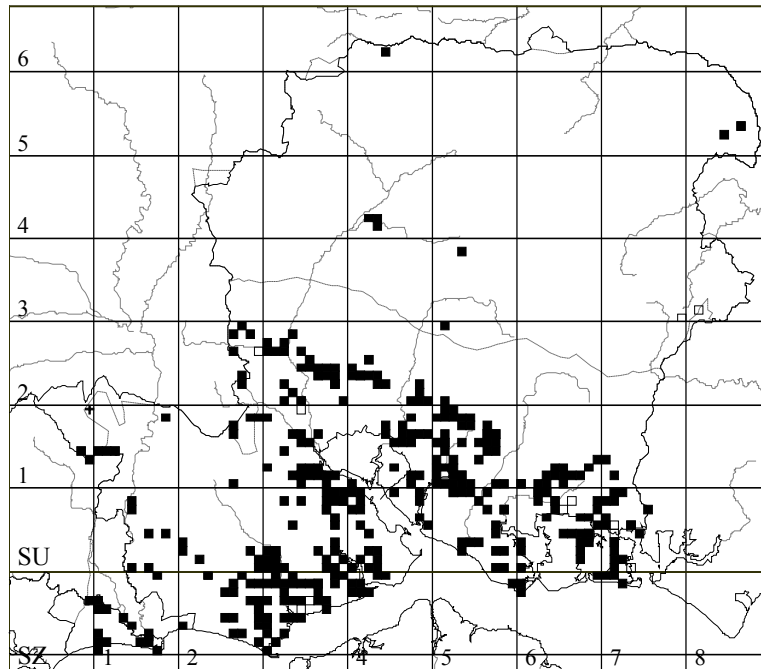
Native

Remains widespread and sometimes abundant in the flood-plain of the Lower Avon, and widespread in the New Forest, where it can be easily overlooked when occurring as small plants growing in grazed wet places. Rare elsewhere. It appears to thrive best where there is a degree of disturbance from ditch clearance, stock poaching and other causes providing conditions for germination.

N Hants: Infrequent

Native

Beside streams or in seasonally flooded meadows, mainly on the London Clay soils close to the Berkshire border. With the onset of recreational boating it has decreased on the Basingstoke Canal, and the last few plants were reported in 2004. It also seems lost from Fleet Pond and Tundry Pond. It can be locally abundant, forming extensive patches, as at Ashford Hill Meadows and at Lower Inhams Copse.

Oenanthe pimpinelloides* L.*Corky-fruited Water-dropwort
1835-2010****National Status: Not Scarce, Native****S Hants: Not Ranked**

Native

A widespread and often abundant plant of many kinds of grassland but avoiding the driest and most acid substrates, and also the chalk (although it appears in grassland in the grounds of Mottisfont Abbey, SU3226, on Upper Chalk). The limit of its distribution more or less marks the boundary of Tertiary strata in South Hampshire. It can sometimes appear abundantly on roadside verges after road construction or realignment, and appears to be spreading in recent years in some areas.

N Hants: Scarce

Native

The frequency of this plant in VC11 contrasts with the few sites known in VC12. It is found in unimproved meadows, or grassland that is not strongly calcareous.

MOD Barton Stacey SU4242, 2007
SU4341,
SU4342

MOD Barton Stacey	SU4242	27-Jun-07	JRM
MOD Barton Stacey	SU4341	27-Jun-07	JRM
MOD Barton Stacey	SU4342	27-Jun-07	JRM

Highclere SU4462 1991
 Highclere SU4462 1991

ILR In meadow.

Magdalen Hill Down SU5129 2009
 Magdalen Hill Down SU512291 31-Jul-09

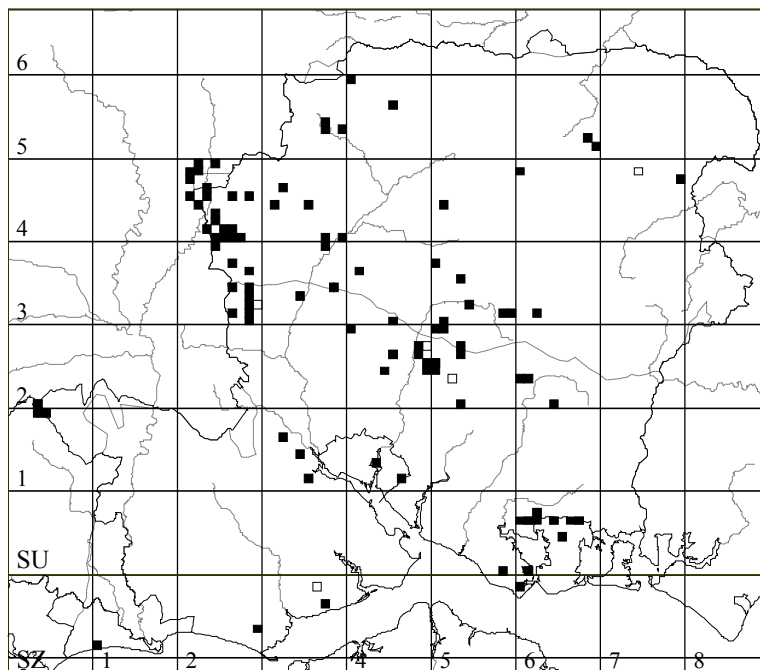
PAB At top edge of Magdalen Hill Extension, by the cemetery, a really unexpected discovery on chalk.

East Stratton Dodsley Wood, East Stratton	SU5338 SU537385	2003 11-Aug-03	MR	At SU5370 3850 on W side of ride S of track crossing. Perhaps introduced with gravel for making track?
Longmoor	SU7930	1971		
Longmoor, Queens Road	SU8131	1970		
Puckridge, Farnborough Puckridge, Farnborough	SU8452 SU846529	1988-1992 1992	ARGM	Seed rescued by ARGM from a destroyed native site at SU863535 was sown here in 1987, and c.10 plants were noted ARGM in 1988. Most then destroyed during widening of the airfield perimeter track in 1989. One was noted in 1990 and in 1992 (but not refound 1993).
Farnborough Airfield Terraces Farnborough, Airshow Terraces	SU8653 SU862536	1978-1993 07-Jun-93	ARGM & CRH	24 plants flowering, plus several others non-flowering at SU8625 5362 to SU8628 5362 on the south slope of the SBAC Airshow Terraces, where rescued seed from the nearby destroyed native site was sown in 1987.
Farnborough Airfield E	SU863535	1987	ARGM	c.40 plants were first found here at c.SU863½535 by ARGM in 1978, some were sprayed with weedkiller in 1981, but most survived that, and were still present in 1987 when the site was completely bulldozed away for the RAE Civil Enclave development. Seed was rescued and sown in two spots, SU846529 at Puckridge, and SU862536 beside the Airshow Terraces.

***Onobrychis viciifolia* Scop.**

Sainfoin
1833-2010

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native and Neophyte

Rather thinly spread on the chalk, more rarely in coastal districts and often casual there. No attempt has been made here to separate different forms; Sell & Murrell (2009) distinguish 3 subspecies which comprise a native of downland, a common component of 'wild flower' seed and an agricultural relic.

Populations in the core grasslands of preserved downland can be expected to be the native, but the species' status deserves review throughout the area.

N Hants: Not Ranked

Native and Neophyte

In chalk grassland, or on grassy verges of tracks and roads near to arable land. Mostly confined to Hampshire's central chalk belt.

***Ophioglossum azoricum* C. Presl**

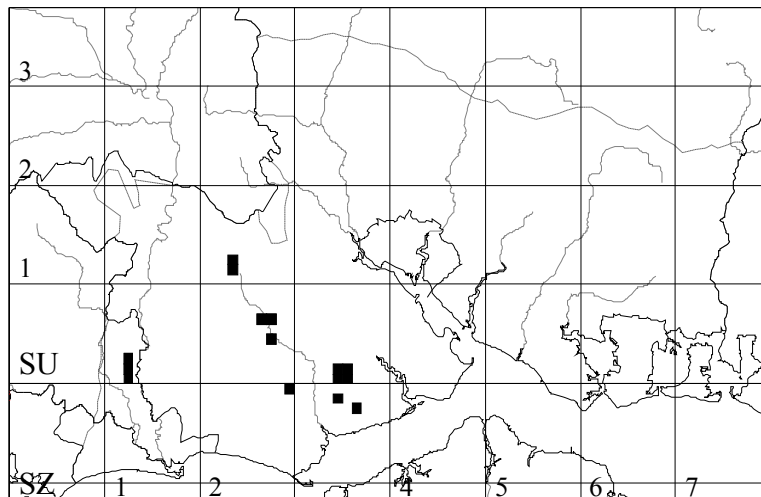
Small Adder's-tongue
1984-2009

National Status: Scarce, Native

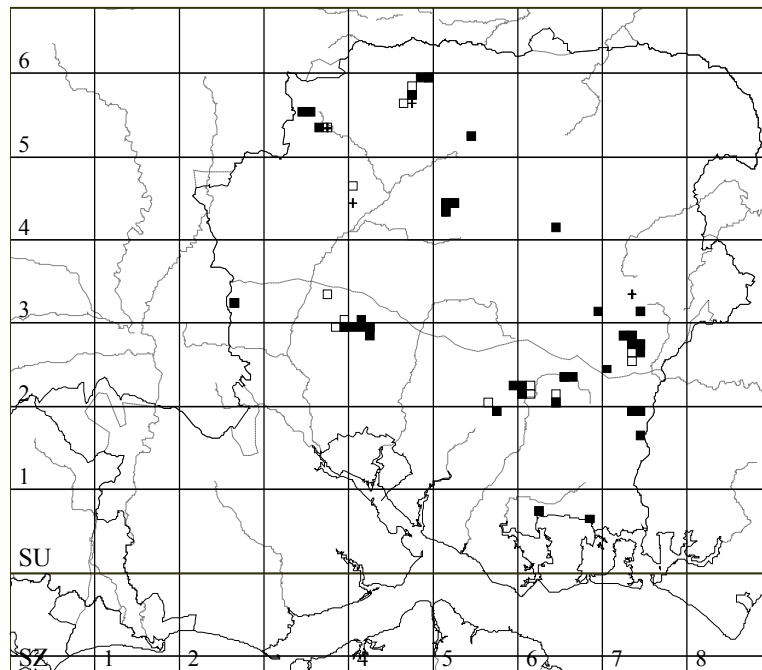
S Hants: Infrequent

Native

In generally base-rich damp hollows on the New Forest, often on man-modified sites such as marl pits, reseeded grassland and old aerodromes. In the Avon Forest Park, however, it is in dry sandy turf beneath Bracken. Plants apparently intermediate between this species and *O. vulgatum* occur quite often, and questions have been raised about the attribution of our plants to this species. A recent examination of epidermal cell characters of the three British *Ophioglossum* species suggests that the species can be further characterised by cell boundaries, and that in that respect even some of the more convincing New Forest *O. azoricum* actually resembles *O. vulgatum*.



N Hants: Not Recorded

Ophrys insectifera* L.*Fly Orchid
1780-2010****National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species****S Hants: Infrequent**

Native

In woodland glades, wood edge and scrub on the chalk. The record suggests a recent decline, with loss from some sites and dwindling numbers in others.

N Hants: Infrequent

Native

Found in part shade or scrub on woodland edges, or in full sun in chalk pits, but always on the chalk. There is a concentration of records in the hangers, but the map shows that it is a declining species. A 'leucistic' form with completely yellowish flowers has occurred sporadically at Noar Hill 1990-2009, and other forms with a yellow border to the lip occur near to Ecchinswell. The latter form, first noted in 1995 in both Anglesey, Roberts (1997), and at Old Burghclere Limeworks, VC12, Moore (1997), was formally named as forma *luteomarginata* in 2006. It reappeared at Old Burghclere Limeworks in 2008 and 2009.

Orchis anthropophora* (L.) All.*Man Orchid
c. 1850-2001****National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species****S Hants: Scarce**

Native

This species was never abundant in South Hampshire, largest numbers recorded being a few score. It is now critically endangered, if not actually extinct. On a number of roadside sites it has been lost through habitat degradation or outright destruction. Its remaining best chance of survival must be on the larger chalk downland reserves such as Martin Down, where it may be overlooked.

Martin Down	SU0518	1963-1994		
Martin Down	SU053188	22-May-93	MNJ	1 spike.
Martin Down	SU054189	29-May-94	RPB	Either side of path. 2 spikes.
Martin Down	SU055189	1988	PET & FR	'several, 1988'. [RPB, 1986, draft 1996 Flora]

Cheesefoot Head	SU5228	1946-1969		
Stephens Castle Down	SU5521	1975-1978		
White Way, Exton	SU6021	?1922-1998		
White Way, Exton	SU602215	1998	FR	c.SU602215. Beacon Hill , Exton. R. 3 spikes. Site Warden Comm. FR.
Beacon Hill, Warnford	SU6022	1957-2001		
Beacon Hill, Warnford	SU607225	20-Jun-98	GJ & NJ	
Beacon Hill NNR, Warnford	SU6022	19-Jun-01	FR	'Fine plants.' [?Five]
Old Winchester Hill	SU6420	1952-2000		
Old Winchester Hill	SU640205	1997	MF	
Old Winchester Hill	SU645207	2000	MF	
Harvesting Lane, Oxenbourne	SU7019, SU7020	1962-1998		
Harvesting Lane, Oxenbourne	SU707197	1998	JRow	
Harvesting Lane, Butser	SU707200	11-Jun-98	JRow	
Chalton Down	SU7315	1925		
Idsworth Down	SU7414	1993		
Idsworth Down	SU748140	25-Jul-93	JRow	

N Hants: Rare

Native

In addition to the sites shown (where it has been searched for in vain in more recent years) there are old unlocalised records from Cheesefoot Head and E of Winchester (SU52I/SU52J) in VC12, and the Steep area (possibly SU72M).

Juniper Bank, Leckford	SU3636	1997-1999		
Leckford	SU3636	22-Aug-98	BGo & JGo	One near 9 th tee, 3 at E end of Reserve. [Also recorded in 1999 but without details. The former site shown to ARGM by BGo on 19 Aug 2000 was at c.SU3675 3665 – ARGM.]
East Tisted nr East Tisted	SU6931	1988		
	SU695312	1988	DPJS	East Tisted, disused railway, 7 spikes. (5 spikes according to the 1996 Flora).

***Orchis purpurea* Huds.**

Lady Orchid
2003-2010

National Status: Endangered, Scarce, Native

S Hants: Not Recorded

N Hants: Rare

Native

When first found in 2003 by LD *et al*, it was a fine plant with three impressive flowering spikes and a seed spike from the previous year. Seedlings have since been found, but the site was suffering from scrub encroachment in 2008 and 2009.

Porton Down	SU2537	2003-2010		
Porton Down	SU251373	10-Jun-10	AMcK	The original plant at SU2514 3733 was eaten at its base again, but the two newer plants each had a flower. In addition leaves of 5 or 6 new plants have appeared only one or two metres away.

Ornithogalum pyrenaicum L.**Spiked Star-of-Bethlehem****1930-2007****National Status: Scarce, Native****S Hants: Extinct**

Native or Neophyte

Recorded once near Marwell (SU52A) in 1930.

N Hants: Rare

Native or Neophyte

First found and identified by BLa as a vegetative plant in a small copse, but the deep shade there has not allowed it to flower.

Bridleway Copse, Selborne**SU7331****2004-2007**

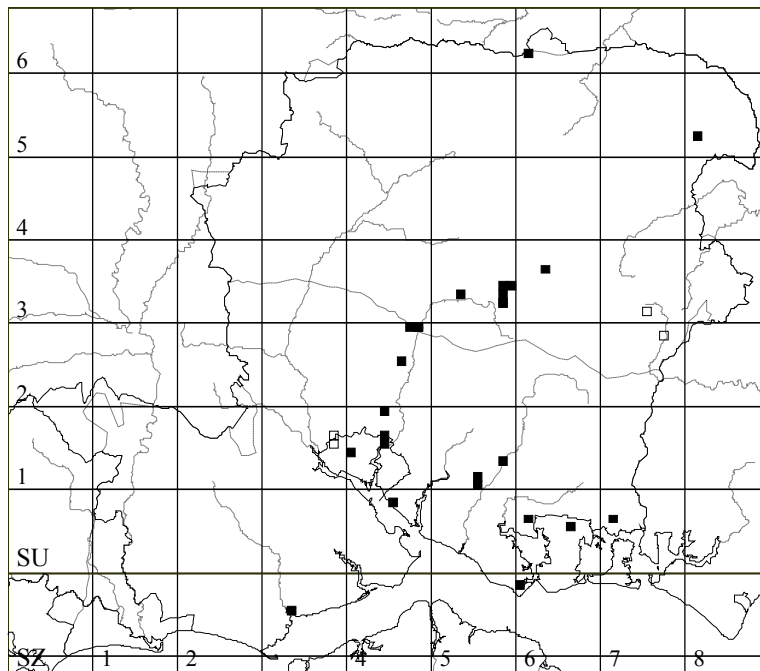
Bridleway Copse, Selborne

SU735319

13-Jun-07

ARGM

After locating the exact site at SU73504 31995 on 16 Apr 2007, ARGM revisited on other occasions hoping to see any sign of it flowering. There was still only the one plant on 9 May 2007, but by 13 Jun 2007 a second vegetative plant had appeared only inches from the first, that had certainly not been above ground on 9 May. Due to the deep shade neither plant flowered, and by 2 July all the leaves had completely disappeared. (A visit by ARGM to see flowering *O. pyrenaicum* in Berkshire on 23 Jun 2007 confirmed that the basal leaves on most flower spikes had completely gone or were yellow and dying).

Orobanche hederæ Duby**Ivy Broomrape****1940-2010****National Status: Not Scarce, Native****S Hants: Infrequent**

Native and Neophyte

Scattered, and most frequently in plantings. The most abundant plant is the yellow forma *monochroma*, which is recorded in several places in Winchester, at Compton, near Wickham and at Portsdown. The Compton population is unusual for growing on *Hedera helix* subsp. *helix*; most *monochroma* grows on *H. helix* subsp. *hibernica* or one of a number of cultivars and introduced species.

N Hants: Scarce

Neophyte

It shows a distinct preference for growing on *Hedera helix* subsp. *hibernica*, rather than on *H. helix* subsp. *helix*. Plants near Winchester and Alresford are of the distinctive bright yellow forma *monochroma* Beck.

Winchester, HRO Behind Hampshire Records Office, Winchester	SU4729 SU478298	2004-2009 26-Sep-09	ARGM	This is the bright yellow forma monochroma. Much increased, with over 800 spikes counted, many still yellow, now extending more than 50m from SU47824 2985 to SU4782 2990. The host is a cultivar of <i>H. helix</i> subsp. <i>hibernica</i> (confirmed by EAP) grown as a ground-cover, consisting mostly of very narrow, shiny, lanceolate adult leaves, though a few juvenile leaves are present.
Itchen Abbas Itchen Abbas	SU5333 SU5333	1999 Jun-99	JSI	A group of plants found in a garden.
New Alresford, B3046 New Alresford	SU5832, SU5833 SU586323	1989-2009 1997	AAB	As forma monochroma. Jacklyn's Lane, under beech, on <i>H. helix</i> subsp. <i>hibernica</i> .
New Alresford	SU588330	08-Oct-05	PAB	Forma monochroma. About ten plants in wooded W side of road SW of Alresford Pond.
Alresford	SU588331	26-Sep-09	ARGM	Forma monochroma, but flowers practically over. Eight spikes at SU5884 3312 on wooded west side of B3046 opposite Alresford Pond, on <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP).
Arle Mill Water Meadows	SU588332	22-Sep-06	JMil	HBIC record. SU5881 3328.
Alresford, near Station Alresford	SU5832 SU588325	1979-2009 26-Sep-09	ARGM	Forma monochroma, most gone over, but some still bright yellow. At entrance to the railway station car park, 24 spikes on west side of road behind some rubbish bins at SU5883 3251 plus another 12 in the adjacent garden bed of planted <i>Lonicera pileata</i> , some of them 2m from the nearest ivy, which is <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP). Also 19 spikes on east side of road at SU5884 3252, in private car park of Station Mill, also on <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP).
New Alresford	SU589325	21-Sep-97	ARGM	At SU5892 3256. <i>O. hederæ</i> forma monochroma, bright yellow form.
Old Alresford, B3046 Old Alresford	SU5834 SU588343	2002 29-Jun-02	ARGM & WGH	41 spikes of forma monochroma at new site beside road, SU5886 3432, outside house named Cowley Bank. [Not refound ARGM 26 Sep 2009].
Old Alresford, Kiln Lane Old Alresford	SU5934 SU590340	1997-2009 26-Sep-09	ARGM	Forma monochroma. Six spikes at SU5904 3404 on roadside bank of Kiln Lane, on <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP).
nr Upton Park Farm, Old Alresford	SU590341	24-Jul-04	WGH	<i>O. hederæ</i> forma monochroma, 20 spikes on roadside at Old Alresford.
Old Alresford	SU591340	01-Jul-97	ARGM & DBr	<i>O. hederæ</i> forma monochroma (pure yellow form) 40 spikes.
Old Alresford, nr Colden Lane Old Alresford, Colden Lane	SU5934 SU594342	1989-2009 26-Sep-09	ARGM	Forma monochroma, going over but some still bright yellow. 290 spikes counted beneath large ash tree at SU5945 3421 at start of Colden Lane, on <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP).
Old Alresford	SU595341	26-Sep-09	ARGM	Forma monochroma, going over but some still bright yellow. 185 spikes counted beneath large ash tree at SU5952 3418, 70m east of start of Colden Lane, on <i>H. helix</i> subsp. <i>hibernica</i> (host confirmed by EAP).
Old Alresford, NE of	SU595342	24-Jul-04	WGH	<i>O. hederæ</i> . 'of the same yellow form, [i.e. forma monochroma] 70 spikes at the road/track junction at Old Alresford'.

Pamber Heath Pamber Heath	SU6162 SU616621	2009 14-Jun-09	ARGM & WGH	Normal purple coloured form at SU6165 6215 beside Impstone Road by the 30mph sign. 28 of last year's spikes plus 25 new ones counted. This verge is adjacent to acid heathland but has lots of <i>Galium odoratum</i> and <i>Linaria purpurea</i> , implying imported soil.
Medstead, SW of Medstead, SW of	SU6336 SU635362	2006 16-Aug-06	ARGM	10 spikes of the bright yellow form, forma monochroma, at SU6352 3622, amongst stinging nettles and 5m from a huge ivy climbing high up into an oak tree. (Reported to ARGM just beforehand by John Rowe as an unidentified <i>Orobanche</i>). [Not refound by ARGM on 26 Sep 2009 though host ivy specimen det. as <i>H. helix</i> subsp. <i>hibernica</i> by EAP].
Empshott, Fish Pond Hanger	SU7531	1986		
Liss	SU7728	1980		
Church Crookham Church Crookham	SU8152 SU810520	2005-2009 26-Sep-09	ARGM	The normal purplish form is still present in a garden at SU8102 5202 where seed (from the Isle of Wight) was introduced in August 1976. The host here is <i>H. helix</i> subsp. <i>hibernica</i> (conf. EAP). However a few years ago it spread naturally across an alleyway to a neighbouring garden at SU8105 5204, where there are currently several spikes on a variegated form of <i>Hedera helix</i> subsp. <i>helix</i> (host conf. EAP).

***Orobanche purpurea* Jacq.**

Yarrow Broomrape ?1621-2005

National Status: Vulnerable, Rare, Native

S Hants: Extinct

Native

Recorded once at Shedfield (SU51) in 1903.

N Hants: Rare

Native

First found in a grassy paddock in 1976 where it survived until 2000, but in 1978 it was also found in a nearby lawn. The 1996 *Flora* gives details of a 1621 record, which appears to be this species, and has a very precise location.

Stoke, St Mary Bourne St Mary Bourne	SU4151 SU412509	1976-2005 14-Jul-76	GVD & JWh	In small rough paddock on the north side of the St. Mary Bourne – Stoke road. About 10 spikes, some in clumps of 2 or 3. Already rather dried up.
Stoke, St Mary Bourne	SU411510	08-Jul-05	WGH, PRS & ARGM	Still just hanging on with 3 spikes in lawn, SU4115 5106, but lost from its main site in the adjacent paddock, c.4117 5098 where last seen by the owners, Mr & Mrs Hirst, in 2000. Turf here now too coarse.
Holybourne, Haw Bridge	SU7441	1621		

***Orobanche rapum-genistae* Thuill.**

Greater Broomrape 1799-2010

National Status: Near Threatened, Scarce, Native

S Hants: Scarce

Native

Often sporadic and in small numbers. However the Mockbeggar population may be one of the largest in Britain. Some sites with only pre-1987 records are detailed to encourage further search.

Mockbeggar	SU1609, SU1610, SU1709	1986-2010		
Summerlug Hill, Mockbeggar	SU166099	17-Aug-86	RPB	c.SU167099 (-168097, 166099) On Ulex europaeus and U. minor in a gravel pit. Locally plentiful, 126+ spikes.
Summerlug Hill, Mockbeggar	SU167099	17-Aug-86	RPB	See above.
Summerlug Hill, Mockbeggar	SU168097	17-Aug-86		See above.
Summerlug Hill, Mockbeggar	SU169096	15-Jun-04	MR	2 at SU1699 0964.
Old gravel pits, Mockbeggar	SU169098	15-Jun-04	MR	106 spikes as follows: 3 at SU1694 0986, 10 at SU1695 0989, 51 at SU1696 0988, 18 at SU1696 0989, 7 at SU1697 0986, 17 at SU1699 0985.
Little Chibden Bottom Old gravel pits, Mockbeggar	SU169098 SU169099	20-Jun-10 15-Jun-04	PM MR	22 spikes. 411 spikes as follows: 4 at SU1691 0991, 45 at SU1695 0993, 55 at SU1695 0994, approx. 100 at SU1696 0993, 5 at SU1606 0997, approx. 50 at SU1697 0994, 83 at SU1697 0996, 20 at SU1697 0997, 7 at SU 1697 0998, 2 at SU1698 0994, approx. 40 at SU1698 0995.
Little Chibden Bottom	SU169099	20-Jun-10	PM	110 spikes.
Little Chibden Bottom	SU169100	15-Jun-04	MR	136 spikes as follows: 3 at SU1691 1000, 5 at SU1692 1001, 2 at SU16931 001, 4 at SU1695 1003, 1 at SU1696 1002, approx. 100 at SU1696 1004, 4 at SU1697 1002, 17 at SU1697 1002.
Little Chibden Bottom Old gravel workings, Mockbeggar	SU169100 SU170096	20-Jun-10 15-Jun-04	PM MR	24 spikes. 31 at SU1700 0968.
E of Mockbeggar	SU170097	15-Jun-04	MR	10 spikes as follows: 5 at SU1701 0976, 5 at SU1701 0977.
E of Mockbeggar	SU170098	15-Jun-04	MR	14 spikes as follows: 2 at SU1700 0982, 12 at SU1700 0984.
Two Beeches Bottom	SU2516	1986-2006		
Two Beeches Bottom	SU250164	29-Jun-86	IT	Two Beeches Bottom, Bramshaw Wood. Under gorse S side of track E of car park. Very local, small colony.
Holly Hat above Two Beeches Bottom	SU251165	09-Aug-06	AEB	14 spikes.
North Lane, Beaulieu	SU3804	1975-1976		
Sevilles Copse, Beaulieu	SU3901	1996		
Sevilles Copse	SU393018	02-Jun-96	RPB	Cluster of 13 spikes on Cytisus scoparius.
Chilworth Common	SU4017	1975		
Otterwood, Exbury	SU4101	1984-1986		
Otterwood, Exbury	SU413018	1984	RBG	53 spikes. Wooded belt and bank bordering field on E roadside.
Otterwood, Beaulieu	SU413018	28-Jun-86	ARGM	[Not found 2007 EAP & DL.]
Summer Lane, Exbury	SU4102	1997		
Summer Lane, Otterwood Farm, nr Exbury	SU410022	1997	NMR	4 spikes. W roadsides on small broom, below oaks.
Dibden Bay	SU4108	1976-2009		
Dibden Bay	SU417084	06-Jun-09	GTh	A few dead stems at the base of Broom.
West Cliff, Hythe	SU418084	20-May-05	GTh	7 spikes growing on Broom. Also at same place on 4 Jun 2000.
Kings Copse Inclosure, Exbury	SU4201	1962-1967		
Hut Wood, Eastleigh	SU4218	2003		
Hut Wood, Eastleigh – east	SU426185	26-May-03	PAB	3 spikes.

West Wood, Netley	SU4509	1985-1986		
West Wood, Netley	SU453093	13-Oct-86	PAB	6 dead fruiting stems, under broom. 'I've never recorded them in West Wood since despite searching...' - PAB 2-Apr-2005. (SNHS Rep.)
West Wood, Netley	SU455097	22-Jun-85	PAB	2 'dead fruiting stems', under broom. (SNHS rep.)

N Hants: Rare

Native

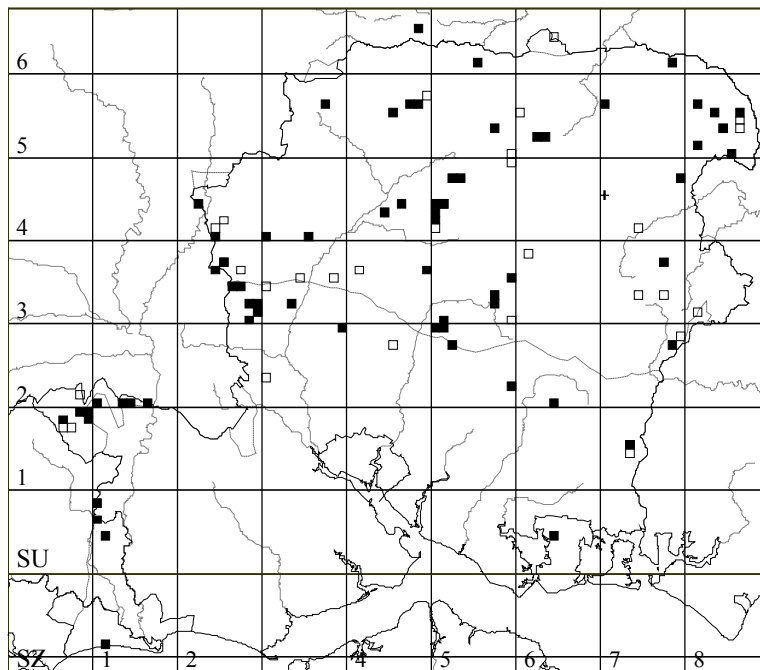
The 1996 *Flora* comments that it is "spasmodic and transient in appearance". This is certainly true of Ashford Hill Meadows where there is an 11 year gap prior to it reappearing in 2009. There is also a tetrad-level record for Medstead.

Ashford Hill Meadows	SU5662	1988-2010		
Ashford Hill Meadows	SU562621	13-Jun-10	ARGM	Eight spikes on a small broom bush at SU56287 62100.
Ashford Hill Meadows	SU562620	02-Jun-09	ARGM & WGH	Six large and four small spikes all on one small broom bush at SU5628 6209, where reported recently by RWi.
Ashford Hill Meadows	SU562622	1988	PB	On broom.
Silchester Common		1987		
Silchester Common	SU625621	1987	PB	On broom.

***Papaver argemone* L.**

Prickly Poppy
1865-2010

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Infrequent

Archaeophyte

Now mostly confined to chalk and light soils along the western fringes of South Hampshire. As a mark of its decline, only 7 records have been received in the last decade, all of small numbers.

N Hants: Not Ranked

Archaeophyte

On the edges of arable fields on well-drained chalky or sandy soils.

***Parapholis incurva* (L.) C.E. Hubbard**

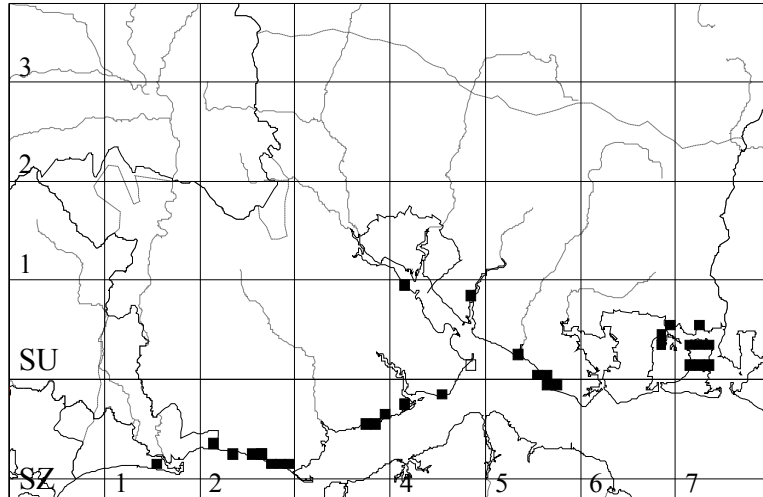
Curved Hard-grass
?1863-2008

National Status: Scarce, Native

S Hants: Infrequent

Native

Still appears to be well-established along the coast, although many of the records on the map now date to a survey undertaken in the late 1980s by Paul Bowman.

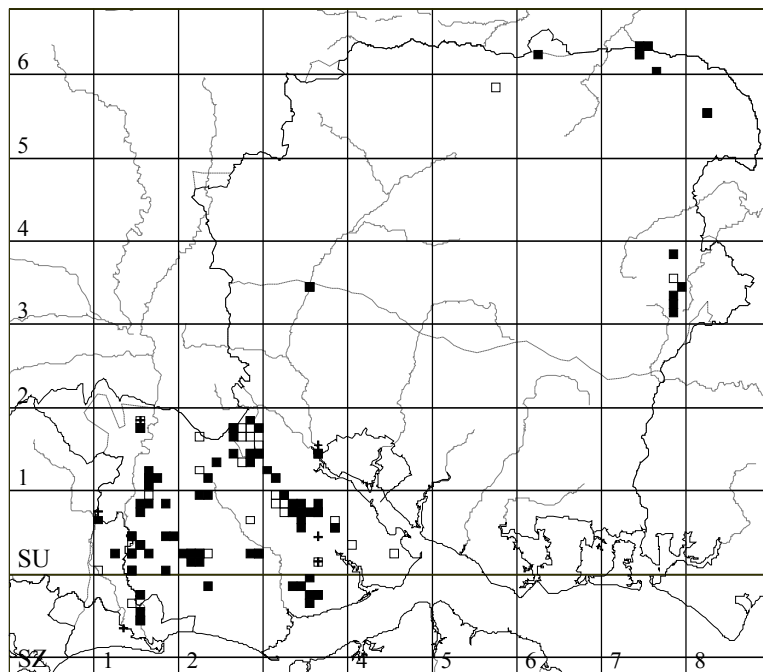


N Hants: Not Recorded

***Persicaria minor* (Huds.) Opiz**

Small Water-pepper
1844-2010

National Status: Vulnerable, Not Scarce, Native



S Hants: Not Ranked

Native

Widespread and often abundant in the New Forest and some of the Avon Valley commons where ground is kept more or less open by seasonal inundations and stock trampling. The only other recent localised records are from Stockbridge Common Marsh (SU3534) where it also benefits from the pressure from grazing stock.

N Hants: Scarce

Native

At the edges of puddles or ponds on acid soils. It can be locally plentiful on the beds of temporarily dried-up ponds, as at Woolmer, but threatened by dense *Crassula helmsii* at some sites.

Stony Heath, Baughurst	SU5758	1957		
Silchester Common	SU6262	2004		
Silchester Common	SU624621	08-Sep-04	ARGM & WGH	Hb.ARGM, large patch in dried pond at SU6246 6209 plus a few at SU6243 6210.
Bramshill	SU7462, SU7463, SU7563	1986-1997		
Bramshill	SU747622	29-Aug-97	CRH	68 plants around seasonal puddle on forest ride.
Bramshill	SU747629	30-Sep-86	CRH	Following directions from AJB, who found this on 24 Sep 1986, 12 plants seen here by CRH.
Bramshill	SU747630	01-Sep-97	CRH	Nine plants on west shore of lake.
Bramshill	SU751630	22-Oct-89	CRH	Three plants on south shore of island.
Heath Warren	SU7660	1993-2010		
Heath Warren, Eversley	SU762604	02-Sep-00	ARGM & CRH	185 plants from SU7625 6045 to SU7646 6018, beside every puddle on the track.
Heath Warren, Bramshill	SU763603	14-Jul-10	CRH	48 plants suspected in nine pool sites, but not yet flowering. [CRH recorded 330 plants here on 23 Jul 1997].
Heath Warren, Eversley	SU764601	02-Sep-00	ARGM & CRH	185 plants from SU7625 6045 to SU7646 6018, beside every puddle on the track.
Slab, nr Oakhanger	SU7835	1978		
Woolmer Pond	SU7831, SU7832	1989-2005		
Woolmer Pond	SU785318	28-Sep-05	ARGM & CRH	Hb.ARGM, specimen from SU7857 3187 but abundant with thousands of plants over huge area of currently dried up bed of Woolmer Pond. Other concentrations noted at SU7874 3194, 7882 3192, 7887 3187, 7898 3204. Specimen det. JRA 17 Oct 2005.
Woolmer Pond	SU789320	28-Sep-05	ARGM & CRH	Hb.ARGM, specimen with more upright growth habit. Only a few plants like this on dried up bed of pond at SU7898 3204 but thousands of a prostrate form.
Blackmoor, E of	SU7833	2009		
Blackmoor, E of	SU7833	22-Sep-09	ARGM & SRM	Thousands of plants in a sea of <i>Crassula helmsii</i> .
Kingsley Pond	SU7838	1993		
Kingsley Pond, Kingsley Common	SU789381	1993	FR	
Hogmoor Inclosure	SU7934	2006		
Hogmoor Inclosure	SU791346	08-Jul-06	ARGM	Hb.ARGM, Plentiful (with <i>P. hydropiper</i> & <i>P. maculosa</i>) at SU7913 3472 to 7908 3464 in dried-up pond, but threatened by <i>Crassula helmsii</i> .
Fleet Pond	SU8255	1959-1997		
Fleet Pond	SU821552	27-Jul-97	CRH	Hb.AB Specimen Bi2003.24.88, on north east marsh. 28 plants on ground trampled last winter during scrub clearance.
Fleet Pond, Fleet	SU826550	1997	CRH	

Persicaria mitis* (Schrank) Opiz ex Assenov*Tasteless Water-pepper
1845-2006****National Status: Vulnerable, Scarce, Native****S Hants: Scarce**

Native

Most records, and all recent records, are from the Avon catchment. Also recorded from Wick (SZ19) by Linton in 1893, and the West Hurn area (SZ19D) and Christchurch Meadows (SZ19L) in the 1960s. NAS made an unsuccessful search for it in the Lower Test Valley in 2006.

Hurn Airport Hurn Airport	SZ1198 SZ118984	1991 1991	BE	
Jumpers Common	SZ1394	1976		
Avon Causeway	SZ1497	?1919-1960		
Kingston North Common Kingston North Common	SU1403 SU149033	?1919-2006 20-Aug-06	NAS & AMC	Substantial colony in poached shallow hollows to W of track at SU14908 03389, frequent in area 10m x 4m.
Moortown Farm, Ringwood Mill Stream, Ringwood	SU1403, SU1503 SU148035	1986-2006 20-Aug-06	NAS & AMC	Frequent in a large rut of a track just W of ford on S bank of Mill Stream, SU1485 0352. Frequent in rutted gateway 10-20m S of this on W side of track to Kingston North Common. Scattered plants along this track to entrance to common, SU1488 0342.
Moortown Farm, Ringwood	SU149035	22-Sep-01	AEB	Alongside Hampshire Hatchery Road.
Moortown Farm, Ringwood	SU150035	22-Sep-01	AEB	Alongside Hampshire Hatchery Road.
Moortown Farm, Ringwood	SU151037	22-Sep-01	AEB	Alongside Hampshire Hatchery Road.
Jockstrill Common, Sopley Jockstrill Common, Sopley	SZ1596, SZ1597 SZ151974	1987-2003 15-Jul-87	RPB & JO	Hollows along drains in marsh pasture. Local, scattered groups.
Jockstrill Common, Sopley	SZ154969	15-Jul-87	RPB & JO	Hollows along drains in marsh pasture, scattered groups.
Sopley	SZ154970	30-Jul-03	PAB	
Hale	SU1718	1976		
Lower Test, Nursling	SU3614	1975-1986		

N Hants : Rare or Extinct

Native

The record for Heckfield Heath is supported by a specimen in Hb. RNG. There are also unlocalised records for Fleet Pond, 1921-1932, one of which is supported by a specimen in BM.

Heckfield Heath	SU7261	1985		
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Phegopteris connectilis* (Michx.) Watt*Beech Fern
1884-2010****National Status: Not Scarce, Native****S Hants: Rare**

Native

Only known from the upper catchment of the Highland Water, New Forest. It appears to be lost from its site south of the Emery Down-Bolderwood road at Cole Bridge (SU2707), where it was already noted as down to one plant in the 1950s.

Highland Water Inclosure	SU2408	1976-2010		
Highland Water Inclosure	SU248087	07-Aug-10	HFG	Patch c. 4m x 2m at SU2486 0871.
Highland Water Inclosure	SU249087	27-Jun-76	FR	Alder Carr on wet stream banks, 5 lge patches over 24yds.
Highland Water Inclosure	SU249087	Aug-07	SCu	
Cole Bridge	SU2707	1951-1957		
Wood Crates	SU2708	1884-2010		
Pilmore Gate Heath	SU273081	26-Aug-56	RPB	SU273081 – 276086. Deadman's Moor, Emery Down. Alder swamp along small stream, around alder roots. Abund. along stream for about 700yds.
Deadmans Moor, Emery Down	SU273082	22-Nov-09	MR	Shrivelled fronds still recognisable at base of a few Alders, SU2733 0824, SU2736 0829.
Above Coles Bridge, Acres Down	SU273083	22-Nov-09	MR	Shrivelled fronds at the base of several Alders, SU2737 0830.
Above Coles Bridge	SU274083	04-Aug-10	MR et al.	
Pilmore Gate Heath	SU274084	17-Jun-92	RPB	To 275086 Alder Carr on stream banks and boggy ground, locally abundant.
Pilmore Gate Heath	SU275085	03-Jul-94	RPB	Alder carr.
Pilmore Gate Heath	SU275086	17-Jun-92	RPB	SU274084 – 275086. Alder carr on stream banks and boggy ground. Widespread, locally abundant.
Carr, Deadmans Hill [Moor]	SU276085	30-Sep-84	FR	
Pilmore Gate Heath	SU276086	1956	RPB	SU273081 – 276086. Deadman's Moor, Emery Down. Alder swamp along small stream, around alder roots. Abund. along stream for about 700yds.

N Hants: Not Recorded

***Phleum arenarium* L.**

Sand Cat's-tail **1844-2010**

National Status: Not Scarce, Native

S Hants: Rare

Native

Apart from the single nearby record from Fort Cumberland it has always been confined in the county to the coastal sands of Hayling Island.

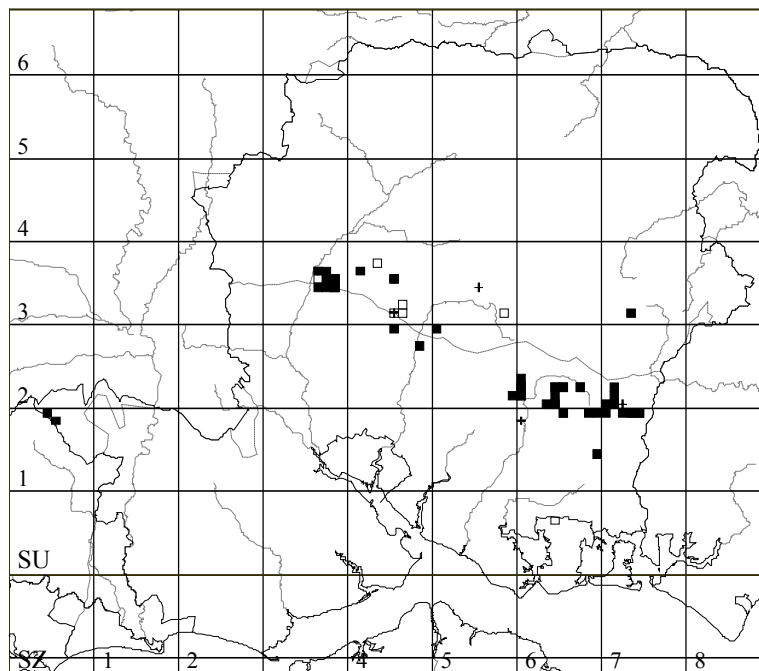
Fort Cumberland, Portsea	SZ6798	1960		
Gunner Point, Hayling	SZ6899, SZ6998, SZ6999	1934-2000		
Hayling Island, Sinah Common	SZ6899	17-May-99	BGo & JGo	
Gunner Point, Sinah Common	SZ692990	31-Jan-88	HCC	HBIC record.
Gunner Point, Hayling Island	SZ694989	12-May-99	JRWH	
Sinah Common	SZ694993	11-Jun-00	ILR	HBIC record.

West Town, Hayling SZ7098, SZ7198 1844-2010

Beachlands Central	SZ705988	30-Jun-08	ILR	HBIC record. Rare, SZ7056 9884.
Beachlands Little Robin Site	SZ706988	20-Jun-00	ILR	HBIC record. SZ7063 9883.
West Town, Hayling Island	SZ708988	04-Jun-98	JRWH	
Beachland, Hayling Island	SZ708989	05-Jun-04	BGo & JGo	On heap of sand.
Beach Huts Sand & Shingle	SZ709988	01-Jul-08	ILR	HBIC record. Occasional.
South Hayling	SZ710988	16-May-10	HFG	Frequent e.g.SZ7104 9883, sandy area behind beach.
South Hayling Island	SZ711988	04-Jun-98	JRWH	
Royal Hotel Lawns	SZ712988	06-Jun-00	ILR	HBIC record. SZ7125 9885.
Beachlands	SZ717988	11-May-09	ILR	HBIC record. Rare.

Sandy Point / Black Point, Hayling SZ7498, SZ7598, SZ7599 1972-2010

Hayling Island Beach	SZ746980	18-May-09	ILR	HBIC record. Rare.
Sandy Point	SZ750981	20-May-09	ILR	HBIC record. Rare.
Eastoke area	SZ750983	04-Jun-02	JAN, DRA & EJC	Frequent on the beach at SZ75076 98394, seen elsewhere.
Sandy Point, Hayling Island	SZ750983	29-Jul-10	MR & GCo	Occasional.
Land East Of Sandy Point	SZ750984	20-May-03	ILR	HBIC record. SZ7505 9841.
Black Point, Hayling Island	SZ750986	04-Jun-02	JAN, DRA & EJC	Near the Lifeboat Station, frequent-abundant, on the bank, SZ75041 98611 (GPS).
Hayling Island Sailing Club	SZ750990	06-Jun-00	RMW	
Shingle Near Sandy Point	SZ751984	24-Jun-95	RPB	HBIC record.

N Hants: Not Recorded***Phyteuma orbiculare* L.****Round-headed Rampion
1618-2010****National Status: Scarce, Native**

S Hants: Infrequent

Native

A feature of the South Downs chalklands as far west as the Meon Valley, and a special glory of the National Nature Reserves at Beacon Hill, Warnford and Old Winchester Hill. A few sites have been destroyed and at some, despite conservation protection, it has decreased. Rare on Martin Down and in the Winchester area.

N Hants: Scarce

Native

On chalk downland, and almost confined to Hampshire's central chalk belt. Lost from several sites due to ploughing and decreasing at some others.

Stockbridge, East	SU3634, SU3635	1984-1999		
Stockbridge East	SU3634	1999	MFW	
Stockbridge	SU3635	1984	AJCB	Stockbridge Down.
Leckford	SU3636	1952-2009		
Leckford: near golf course	SU366366	1959	SS	Leckford, near golf-course & chalk-pit. Small quantity.
Leckford GC	SU367366	19-Aug-00	ARGM & BGo	c.SU3675 3665. Superb herb-rich chalk grassland. 21 plants, may be underestimate, scattered in area 150m x 60m.
Leckford	SU367367	05-Aug-09	WGH	Only two plants found, at SU3673 3670 by the last tee on the golf course.
Leckford	SU368365	11-Aug-04	GCE	At least 100 plants in golf course rough near penultimate hole.
Stockbridge Down	SU3734, SU3735, SU3834, SU3835	1968-2009		
Stockbridge Down	SU376349	20-Jun-04	PBi	SU3761 3491. 70 plants, many in bud still.
Stockbridge Down	SU376350	08-Jul-83	RMV	Stockbridge Common Down.
Stockbridge Down, NE	SU377349	15-Jul-06	JRM	Many hundreds widespread throughout, SU377349 to SU380353, seems to be spreading.
Stockbridge Down	SU377351	29-Jul-02	RC & ML	Colourful mass of them in a cluster as well as many individuals.
Stockbridge Down	SU378351	05-Aug-09	WGH	Only 8 found due to current heavy grazing.
Stockbridge Down	SU379349	1998	JAL	
Stockbridge Down	SU379351	1999	MFW	
Stockbridge Down	SU380352	06-Jul-04	PBi	150 plants at SU3800 3520.
Stockbridge Down	SU380350	1999	MFW	
Stockbridge Down	SU380351	1999	MFW	
Stockbridge Down, N	SU380353	15-Jul-06	JRM	Many hundreds widespread throughout, SU380353 to SU377349, seems to be spreading.
Woolbury Ring, Stockbridge	SU382356	02-Jul-71	RPB	c.SU382356. Chalk turf on N scarp, NE of yew wood. Very local, 8 plants.
Stockbridge Down (nr.)	SU387347	31-Aug-68	RPB	Recorded as <i>P. tenerum</i> . In long grass by path on chalk down. Local in small quantity.
Brockley Warren	SU4136	1968-2007		
Brockley Warren	SU418368	23-Jul-87	ENa	
Brockley Warren	SU418369	20-Jul-07	ILR	HBIC record.
Brockley Down	SU4337	1981		
Littleton area	SU4531, SU4631, SU4632	1933-1983		
Worthy Down	SU4535	1930-2000		
The Gallops, Worthy Down	SU455353	08-Sep-00	LH	HBIC record.
Worthy Down, South Wonston	SU457353	27-Aug-69	RPB	SU457353 etc. Rank chalk grassland. Widespread, fairly plentiful. Recorded as <i>P. tenerum</i> .
Magdalen Hill Down	SU5029	1988		
Magdalen Hill Down	SU505290	06-Sep-88	NC	
Magdalen Hill Down	SU505292	1988	HCC	
Itchenstoke Down	SU5534	1956		
Tichborne Down	SU5831	1964-1969		

Noar Hill
Noar Hill, Selborne

SU7331
SU739318

2004-2007
25-Jul-07

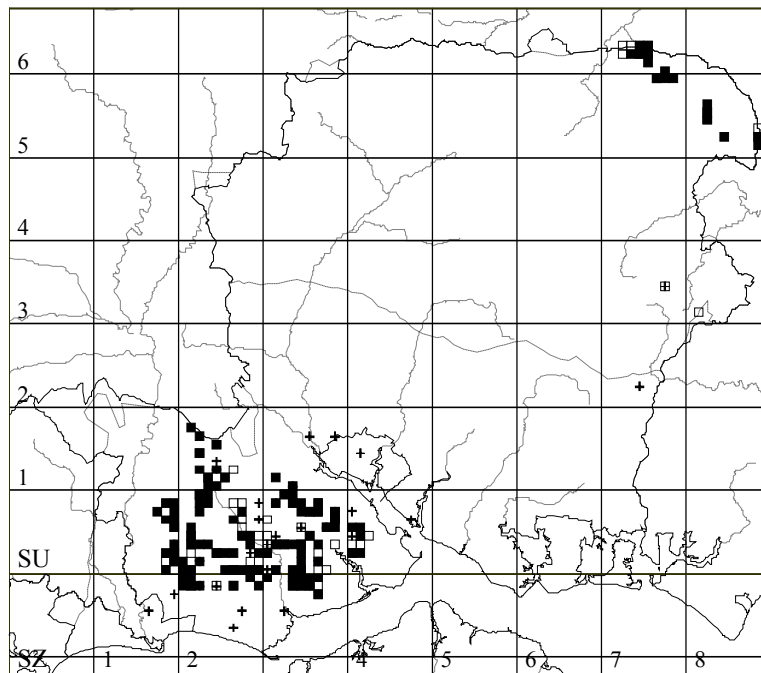
ARGM et
al

The single plant at SU7396 3189 is now much larger than when first found in 2004. This year it had evidently had 4 flower spikes, though 3 of them had been eaten off making the plant difficult to find. [Not refound by ARGM in 2008 or on 21 Aug 2009].

***Pilularia globulifera* L.**

Pillwort
1666-2010

National Status: Near Threatened, Scarce, Native
NERC S41
UK BAP Priority Species



S Hants: Not Ranked

Native

Still widespread and sometimes abundant on the New Forest, where it forms one of the most important metapopulations in Europe, but lost from all sites elsewhere. It can vary dramatically in apparent abundance from one year to another, depending on conditions. It comes into competition with the invasive *Crassula helmsii*, when at some times it appears to be suppressed and at others to hold its own.

N Hants: Scarce

Native

In very shallow ponds, or at pond edges, on bare gravel or sandy/silty acidic substrates. It colonises newly exposed pond edges, especially at gravel pits, and can become dominant over large areas before declining as other species take over.

Wellington Country Park	SU7262, SU7263, SU7363	1985-1996		
Wellington Country Park	SU729629	07-Sep-85	ARGM	Covering total of 13 square metres along margins of north end of 'Pond P' shown on detailed survey map. Part is in this 100m square e.g. at SU7292 6297, SU7293 6299, SU7296 6298.
Wellington Country Park	SU729630	07-Sep-85	ARGM	Covering total of 13 square metres along margins of north end of 'Pond P' shown on detailed survey map. Part is in this 100m square e.g. SU7293 6300, SU7294 6301, SU7296 6300. Also covering 3 square metres in recently made shallow very small pond, 'Pond S', at SU7298 6301.
Wellington Country Park	SU732630	07-Sep-85	ARGM	Covering 3 square metres and co-dominant with Elatine hexandra in the small dried-up 'Pond R' shown on detailed survey map at SU7325 6308.
Wellington Country Park	SU730629	04-Jul-96	CRH	At c.SU730½629½, fairly plentiful in one bay of a small pond.
Bramshill Plantation & Bramshill Common	SU7462, SU7463, SU7561, SU7562, SU7563	1986-2010		
Bramshill Common (Bramshill Plantation)	SU743629	28-Aug-92	CRH	Abundant in small pond, all around margins, SU7435 6290.
Bramshill Plantation	SU745627	03-Apr-86	ARGM & CRH	In amazing quantity, dominant in a 5m band all around the central pond which is 370m x 30m, stretching from SU7456 6279 to SU7485 6259, so Pillwort covering c.4,000 square metres.
Bramshill Common	SU745628	15-Jul-10	CRH	A patch 2.5m long at SU7458 6280, north-east margin of Long Water.
Bramshill Plantation	SU745629	16-Oct-09	DPr & ARum	2m x 1m patch at SU7454 6299 in ditch by outflow pipe.
Bramshill Plantation	SU745630	06-May-10	CRH	In ditch at north end, SU7454 6300, a patch 2.5m x 1m.
Bramshill Plantation	SU746627	15-Jul-10	CRH	Locally abundant for c.4m at SU7467 6272, north-east margin of Long Water.
Bramshill Plantation	SU746630	03-Apr-86	ARGM & CRH	At SU7468 6305 in NW corner of the most NW pond, extending 90m along N bank and 40m along S bank.
Bramshill Common	SU747627	15-Jul-10	CRH	Present within emergent swamp at SU7472 6272, and locally abundant at SU7470 6270, north-east margin of Long Water.
Bramshill Plantation	SU748625	03-Apr-86	ARGM & CRH	In amazing quantity, dominant in a 5m band all around the central pond which is 370m x 30m, stretching from SU7456 6279 to SU7485 6259, so Pillwort covering c.4,000 square metres.
Bramshill Common	SU748626	15-Jul-10	CRH	Locally abundant at SU7482 6262 for c.25m, south end of Long Water.
Bramshill Plantation	SU749629	03-Apr-86	ARGM & CRH	At SU7499 6297, small quantity at SW corner of pond with three islands.
Bramshill Common	SU750626	24-Sep-09	CRH	A large patch c.2.5m x 2m in a recently cleared ditch at SU7508 6268 and a small patch c.35cm x 25cm nearby at SU7508 6269.
Bramshill Common (Bramshill Plantation)	SU751614	26-Nov-89	CRH	SU7513 6145, pools by wood edge.
Bramshill Plantation	SU751624	21-Sep-09	DPr & ARum	Extensive colony at SU7516 6246, particularly in the large patch of reed on the southern and western margins.
Bramshill Common (Bramshill Plantation)	SU752614	26-Nov-89	CRH	SU7526 6145, NE bay of pond.
Bramshill Plantation	SU752624	11-Jul-93	HFG	Abundant in pond at SU752624.
Bramshill Plantation	SU753630	03-Apr-86	ARGM & CRH	Some at SU7539 6303 in a small pond.
Bramshill Plantation	SU754621	03-Apr-86	ARGM & CRH	Some at SU7544 6210 in a small pond.
Bramshill Plantation	SU755623	23-May-96	CRH	At small pond in NE part.
Bramshill Plantation	SU757619	28-Sep-09	DPr & ARum	Small numbers present at SU7571 6197 on NE and E margins of pond.
Bramshill Plantation	SU758618	28-Sep-09	DPr & ARum	Present in ditch NW of pond, SU7581 6189, and abundant on S and W pond margins.
Bramshill Common, Sandpit Pond	SU758619	24-Sep-09	CRH	Locally dominant around south margin of pond, SU7581 6192 / SU7583 6190 / SU7583 6188 / SU7586 6188.

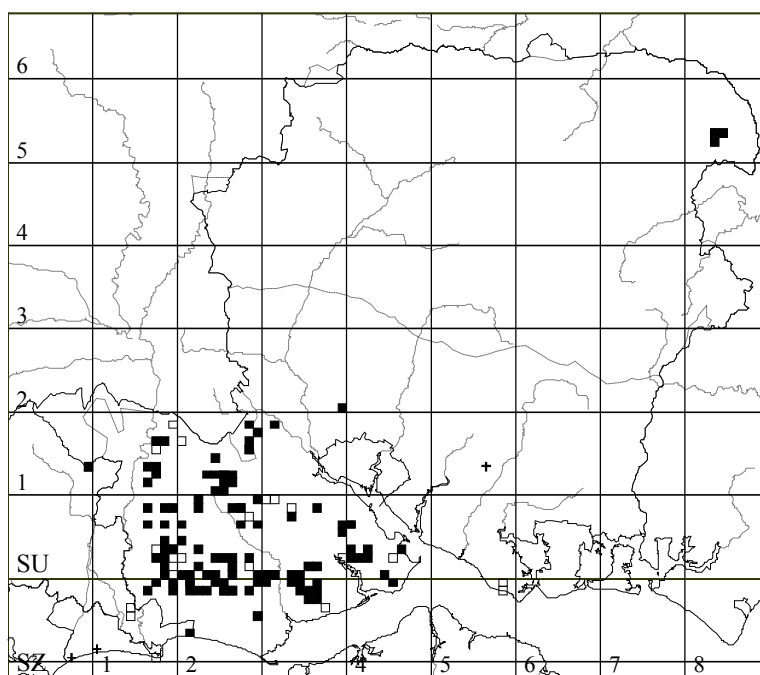
Heath Warren and Warren Heath	SU7659, SU7759, SU7760	1985-2010		
Warren Heath Ponds	SU762599	22-Jul-02	CRH	Pond by Bramshill Park, small patches over 5m x 0.5m, not continuous.
Warren Heath, Bramshill	SU763599	02-Sep-00	ARGM & CRH	SU7633 5992, small quantity on N margin of 'Pond B' (which is dominated by <i>Myriophyllum alternifolium</i>).
Heath Warren	SU765597	16-Oct-09	CRH	Small patches in bare places on pond margins at SU7656 5971, SU7653 5969 and SU7652 5972.
Heath Warren	SU766597	16-Oct-09	CRH	A patch 5m long and extending out into shallow water on the margin of pond at SU7663 5975.
Heath Warren Warren Heath N / Heath Warren S	SU767598 SU768598	23-Oct-09 22-Jul-02	CRH CRH	At SU7677 5984 patches through c.6m x 3m. Abundant at Heath Warren, first patch covered 8m x 14m, extending some 250m through shallow water and on mud in huge quantity, SU768598 & elsewhere.
Heath Warren	SU768598	26-Jun-10	ARGM & HFG	Now struggling and confined to the remaining wetter parts without scrub from SU7680 5984 to at least SU7708 6004.
Heath Warren	SU768599	23-Oct-09	CRH	At SU7687 5990 to SU7685 5998 frequent to locally abundant for c.28m x 9m.
Heath Warren	SU769599	23-Oct-09	CRH	At SU7695 5994 to SU7691 5992 occasional to locally abundant for c.40m x 12m.
Heath Warren	SU770599	23-Oct-09	CRH	Frequent to locally dominant at SU7700 5999 across open ground, c.80m x 12m.
Heath Warren	SU770600	26-Jun-10	ARGM & HFG	Now struggling and confined to the remaining wetter parts without scrub from SU7680 5984 to at least SU7708 6004. Abundant in pond at SU7709 6004.
Heath Warren S	SU771600	22-Jul-02	CRH	Abundant at Heath Warren, first patch covered 8m x 14m, extending some 250m through shallow water and on mud in huge quantity, SU771600 & elsewhere.
Eversley Common	SU7859	2010		
Eversley Common	SU781595	17-Jul-10	CRH	Patches at SU7814 5957 on wet silt and submerged in SE corner of quarry pond. Also at SU7812 5957 on south margin.
Blackmoor golf course	SU7734	1950-1960		
Weavers Down	SU8131	1965-1970		
Fleet Pond	SU8254, SU8255	1964-2010		
Fleet Pond (S), Fleet	SU822547	1964	AB	"Seen AB near mouth of stream, Fleet Pond c.SU822547. Destroyed by 1970, by sand deposited from stream, which had been 'engineered' by army."
Fleet Pond	SU822551	1976	JW	HBIC record.
Fleet Pond	SU823551	15-Jun-10	CRH	In quantity on eastern marshes where vegetation was stripped in autumn 2008, a lawn of it 7m long at SU8238 5513. Brief visit only so possibly more in this vicinity.
Fleet Pond	SU824549	15-Jun-10	CRH	A small patch c.70cm x 20cm at SU8247 5495 on Coldstream Marsh.
Fleet Pond	SU824550	15-Jun-10	CRH	On eastern marshes where vegetation was stripped in autumn 2008, a patch c.3m x 1.5m at SU8244 5509. Brief visit only so possibly more in this vicinity.
Ancell's Farm, Fleet	SU8256	1989		
Ancell's Farm, Fleet	SU822560	30-Aug-89	CRH	On bare mud in a bulldozed scrape in a former wet acidic pasture, over one square metre. Gone by 1990 – site built over.
Basingstoke Canal, Eelmoor	SU8452	2002		
Basingstoke Canal, Eelmoor SSSI	SU840528	17-Sep-02	CRH	Small pool beside canal W of Eelmoor Flash (13 Jun 02), pool dried up by 17 Sep, colony extends for 8m across mud 1 – 3.5m wide, and usually dominant in this area.

Hilland Lake, Aldershot	SU8852	1989-1997		
Hilland Lake, Aldershot	SU881521	05-Sep-97	CRH	Lake now managed for angling and botanical interest declining. <i>Pilularia</i> was not refound in the main lake – margins now overgrown. Three patches on freshly disturbed ground by south side, very localised.
Hilland Lake, Aldershot	SU881522	17-Aug-91	CRH	A feature of the south-west margin.
Hilland Lake, Aldershot	SU882522	17-Aug-91	CRH	Patches all about the south bay...a feature of the south-west margin.
Ramillies Lakes	SU8853, SU8852	1979-1989		
Ramillies Lakes, E of North Camp	SU884531	22-Apr-86	CRH	Small amount at Ramilles Park Lakes. (Overgrown with <i>Typha</i> and <i>Juncus</i> in 1991).
North Camp E of, Ramilles Lake	SU884532	1985	ARGM	Just in Hants, also at SU886517 just in Surrey.
Lakeside Park, Aldershot	SU8851	1990-1991		
Lakeside Park, Aldershot	SU886517	28-Aug-91	CRH	A small amount on the east side of an island at c.SU8865 5170.

***Pinguicula lusitanica* L.**

Pale Butterwort
1798-2010

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Widespread on the New Forest but apparently lost from all other sites. Current and forthcoming management initiatives should also prompt new searches at Hengistbury Head (SZ1790) and Gomer, Gosport (SZ5899). The comparative paucity of dots on the map above compared with the map in the 1996 *Flora* merely shows that many recorders have not felt it worthwhile to record to better than tetrad level.

N Hants: Rare

Native

In bogs on wet peaty turf-cuts, or in bog drainage ditches. It was first recorded at Eelmoor Marsh in 1919 (but without a specific 1km grid reference) and for many years it was confined to the drainage ditches cut across the bog. It has now declined greatly in the unmanaged ditches but, thanks to positive management, there are now strong populations on many turf-cuts and on the heathland surface where grazing, poaching or mowing has opened up the sward. In summer 2002 the total population was estimated as 5,400 plants in c.30 locations.

Eelmoor Marsh	SU8352, SU8353, SU8453	1935-2009		
Eelmoor Marsh	SU836532	28-Nov-07	CRH	A SU8369 5326 on mown/grazed wet heath.
Eelmoor Marsh	SU836533	12-Sep-09	CRH	175 plants at SU8369 5333 in short grazed turf.
Eelmoor Marsh	SU837532	08-Jun-05	CRH	1,000+ plants at SU8374 5321 in turf scrape and 120 at SU8372 5325 on pond margin.
Eelmoor Marsh	SU837533	05-Sep-09	CRH	In ditches by Leyland Track, 70 at SU8371 5335, 32 at SU8372 5335, 38 at SU8372 5336 and 22 at SU8373 5337.
Eelmoor Marsh	SU838529	07-Aug-08	CRH	Hundreds at SU8388 5295 on turf scrape.
Eelmoor Marsh	SU838530	05-Jun-07	CRH	Dense group at SU8381 5300 on turf scrape.
Eelmoor Marsh	SU838531	04-Aug-03	CRH	260 plants at SU8385 5317 on turf scrape.
Eelmoor Marsh	SU838532	13-Sep-07	CRH	c.350 plants at SU8381 5328 on scraped ditchside.
Eelmoor Marsh	SU838533	28-Aug-08	CRH	60 plants at SU8387 5332 on wet turf scrape.
Eelmoor Marsh	SU838533	16-Jun-09	CRH	A total of 102 rosettes in three groups at SU8386 5335 along the edge of a ditch, long overgrown but cleared last winter.
Eelmoor Marsh	SU838533	16-Jun-09	CRH	102 plants at SU8386 5335 in ditch that was cleared Nov 2007.
Eelmoor Marsh	SU838534	28-Jul-05	CRH	c.800 plants at SU8387 5342 on pond margin.
Eelmoor Marsh	SU838534	28-Jul-06	CRH	40 plants at SU8388 5344 in a turf scrape.
Eelmoor Marsh	SU838534	23-Aug-08	CRH	Three plants at SU8381 5342 in a JCB rut.
Eelmoor Marsh	SU839529	1990	ARGM	In winter 1988/89 contractors cleared several ditches at SU839529½ to SU839530 (where <i>P. lusitanica</i> had last been seen in 1985) leading to many hundreds of plants re-appearing. [The first place that ARGM rediscovered it in 1975 was in the ditch at SU8393 5293, but that ditch soon became overgrown]
Eelmoor Marsh	SU839530	12-Jun-07	CRH	85 at SU8392 5308 and 60 at SU8391 5309 in ditch.
Eelmoor Marsh	SU839531	09-Aug-02	CRH	In ditch, 47 at SU8392 5314, 114 at SU8395 5316, 120 at SU8397 5318. Plus 380 on turf scrape at SU8393 5316.
Eelmoor Marsh	SU839531	12-Jun-07	CRH	20 at SU8390 5310 in ditch.
Eelmoor Marsh	SU839532	27-Aug-08	CRH	One plant at SU8394 5321 in ditch.
Eelmoor Marsh	SU839533	29-Jul-06	CRH	106 plants at SU8390 5337 on ditch side.
Eelmoor Marsh	SU839535	05-Sep-09	CRH	51 plants at SU8393 5351 in ditch poached by cows.
Eelmoor Marsh	SU840531	07-Aug-09	CRH	41 plants at SU8404 5314 on wet turf scrape.
Eelmoor Marsh	SU840532	1977	ARGM	Abundant here in 1975, last seen 1977 as these ditches became overgrown. Not refound here 1978-1990.
Eelmoor Marsh	SU841531	24-Jul-98	ARGM	Photograph taken.
Eelmoor Marsh	SU841532	1980	ARGM	Abundant here in 1975, last seen 1980 as these ditches became overgrown. Not refound here 1981-1990.
Eelmoor Marsh	SU842536	07-Aug-00	CRH	One plant at SU8426 5361 in cleared ditch.
Eelmoor Marsh	SU843536	1977	ARGM	Abundant here in 1975, last seen 1977 as these ditches became overgrown. Not refound here 1978-1990.

National Status: Not Scarce, Native**S Hants: Rare**

Native

Thomas Johnson's 1634 record refers to a site mid-way between Southampton and Sarisbury (SU41) and therefore probably either Weston or Sholing Common. A specimen in Hb. Druce of 1886 refers to "Nea Bog"; whether this relates to a site at Highcliffe (SZ29) or a now afforested site at Plumley NW of Ringwood (SU10) is not clear. Townsend (1883) refers to records from near Christchurch, near Cranbury (SU42) and from the Forest of Bere, possibly the site which Rayner (1929) notes as "extinct on Purbrook Bog since 1910" (SU60). There is also a record from Milford-on-Sea (SZ29) in Rayner. Three plants were recorded at Bratley (SU20J) in 1981; they were suspected of being introduced. Its presence at Acres Down on one of the most northerly calcareous flushes on the Headon Beds is remarkable given the lack of records from elsewhere on these strata in the Forest.

Acres Down	SU2708	1984-2010		
Acres Down	SU270085	1985	FR	c.400 plants.
Acres Down	SU270085	1994	AEB	Basic flush on slope at edge of heath. AEB counted 600+ (letter 18.5.94).
Acres Down	SU270085	04-Aug-10	MR et al.	100-200 at / around SU2704 0858.
Acres Down	SU271085	08-Jun-99	BGo & JGo	Extremely locally frequent on wet, gravelly banks beside area of bog.

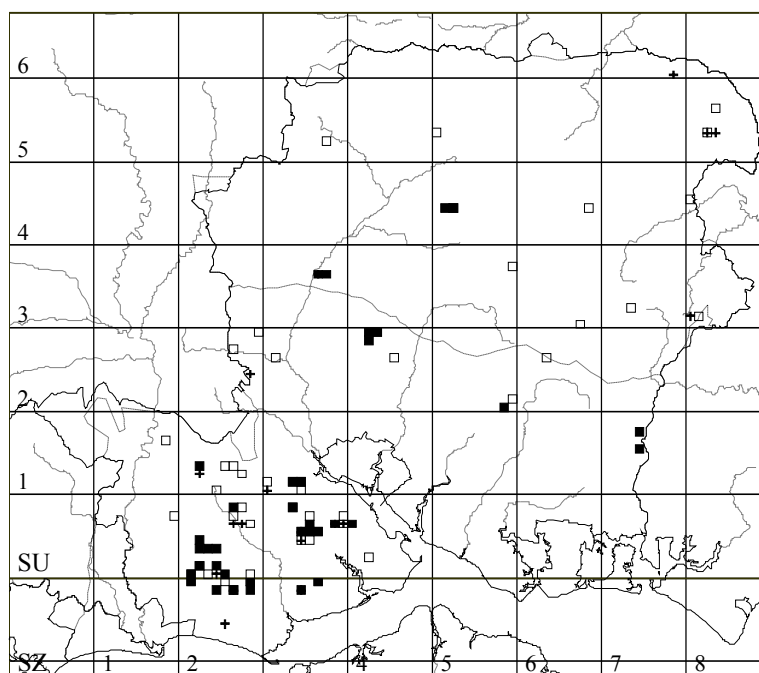
N Hants : Rare

Native

It has died out at Mapledurwell Fen and there are old records for about half a dozen other sites that are now lost. At Eelmoor it is much less widespread than *P. lusitanica*, and is most frequent at the head of the drainage catchment near to the Basingstoke Canal. Possibly it needs calcareous water seeping from the canal bed (which is fed by the chalk aquifer at Greywell).

Tichborne	SU5731	1966-1996		
Tichborne Common	SU575316	16-Jun-75	FR	c.5 plants in flower.
Tichborne Common	SU576316	24-May-94	MFI	HBIC record.
Tichborne Springs	SU576317	04-Jul-96	FR, CC & CCha	Locally abundant, c.50 plants.
Mapledurwell	SU6752	1967-1994		
Mapledurwell Fen, Hatch	SU677523	22-May-88	ARGM	
Hatch (Mapledurwell), nr Basing	SU678522	28-May-72	EAB	Hatch. Fen meadow. Also seen by RPB, c.13 plants.
Mapledurwell Fen, Hatch	SU678523	24-Jun-94	FR	Boggy meadow by stream, one plant only.
Eelmoor Marsh	SU8352, SU8353, SU8453	1938-2009		
Eelmoor Marsh	SU839529	1977	ARGM	At SU839529½.
Eelmoor Marsh	SU838529	31-Jul-09	CRH	24 plants in ditch at SU8386 5296, plus 4 plants on top of the ditch bank but none now on the adjacent turf-stripped mire where <i>Eleocharis multicaulis</i> is now dominant. Also 9 in ditch at SU8389 5298.
Eelmoor Marsh	SU838530	31-Jul-09	CRH	35 plants in ditch at SU8388 5301.
Eelmoor Marsh	SU839530	31-Jul-09	CRH	In ditches. 1 at SU8392 5305, 25 at SU8393 5308, 16 at SU8395 5308, 10 at SU8396 5308 and 46 at SU8390 5307.
Eelmoor Marsh	SU839531	31-Jul-09	CRH	47 plants in ditch at SU8394 5313.
Eelmoor Marsh	SU841532	1980	ARGM	c.SU841532½. Last seen c.1980 in ditch system near junction of Vixen Track and Albion Track.

**National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species**



S Hants: Infrequent

Native

Widespread, although usually in small numbers, in New Forest habitats ranging from bog fringes to species-rich Bracken/ grassland mosaics to woodland edge; a few sites have numbers of more than 100 recorded. In this region it is not easy to distinguish two forms, as noted by Jenkinson (1995). Otherwise a rare and decreasing plant of woodland glades and rides on the Chalk and superfcials over it, where it has suffered from both the current neglect of woodland management and damaging forestry operations.

N Hants: Rare

Native

As noted in the 1996 *Flora*, there are two distinct forms of this plant which differ in leaf shape and occupy very different habitats. One form is found in acidic bogs while the other prefers calcareous woodland or scrub. It is clear from the records that this formerly widespread orchid is in a serious and rapid decline, heading for extinction in VC12.

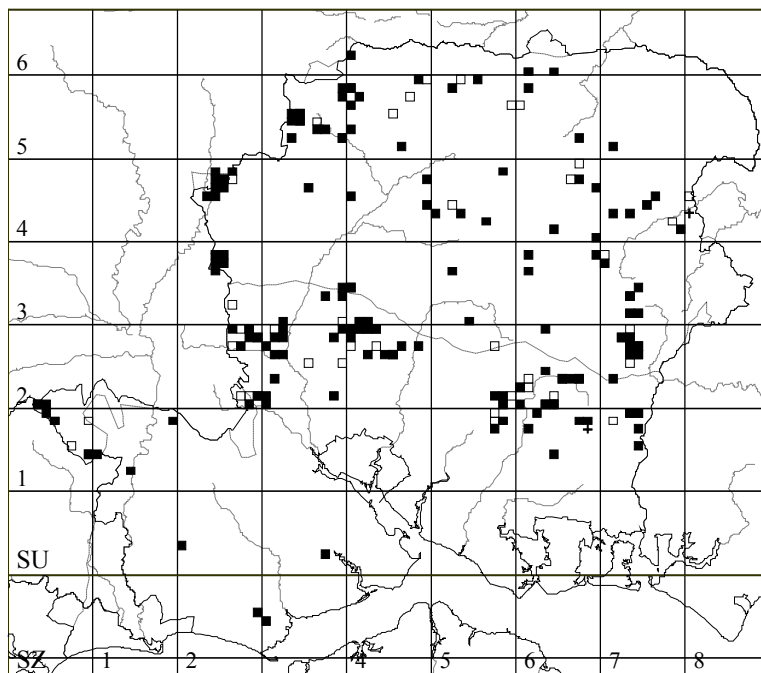
Leckford	SU3636, SU3736	1997-1999		
Leckford	SU3636	1999	MFW	1 plant.
Leckford Estate	SU3736	1998	BGo & JGo	1 plant, open downland.
Doles Wood, Hurstbourne Tarrant	SU3752	1971		
Robley Belt, Overton	SU5053	1959		
Micheldever Spoil Heaps	SU5144, SU5244	1964-2006		
Micheldever Spoil Heaps	SU519443	16-Jun-06	NM	In small clearing at SU5195 4435. (Not refound by ARGM on 26 May 2009).
Micheldever Spoil Heaps	SU520443	24-Jun-79	JBuc	HBIC record.
Micheldever Spoil Heaps	SU520444	1991	AJB	
Bugmore Hill	SU5937	1980		
Monkwood	SU6730	1975-1980		
Weston Common	SU6844	1986		

Selborne Common	SU7332	1970-1983
Longmoor	SU8031, SU8131	1920-1975
Northbrook Woods, Bentley	SU8045	1975
Pondtail Heath	SU8253	1955-1960
Foxlease, nr Cove	SU8356	1978
Eelmoor Marsh	SU8353	1943

***Platanthera chlorantha* (Custer) Rchb.**

Greater Butterfly-orchid
1836-2010

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

A rare plant of woodland on the more base-rich Tertiary deposits, and a widespread but declining plant of woodland glades and rides on the Chalk and superficial deposits. Also on downland, where some of its largest populations occur: for instance, on Martin Down, where numbers can reach hundreds at a given spot, and at Pitt Down and nearby areas west of Winchester where sadly it seems to be declining.

N Hants: Not Ranked

Native

Decreasing but still widespread in open woodland or scrub on chalky soils, and occasionally found on open chalk downland. One downland site at Porton Down had an estimated 1,000 spikes in a small area in 2004, yet very few have appeared there in subsequent years.

***Poa bulbosa* L.**

Bulbous Meadow-grass
1932-2010

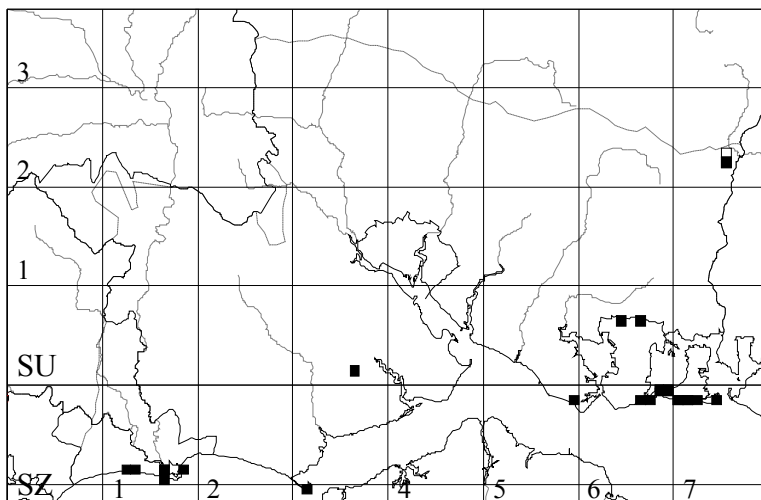
National Status: Scarce, Native

S Hants: Infrequent

Native

Where there is coastal sand or even a thin veneer of sand over shingle along the coast, this species is reasonably frequent and some of the populations (for instance on southern Hayling) are extensive. There

are a few inland records by reliable recorders, including a pathside at Petersfield (SU7522) in 1977, two places in road verges on Portsdown (SU6406 and SU6606) in 1999 and 1996, and in the car park of Hatchet Pond, Beaulieu (SU3601) in 2005, still present in 2009. At the last it is growing on a made bank of imported sand and gravel. For the time being we have discounted a record from Cheesefoot Head from the Francis Rose notebooks as a possible transcription error; while it might have been introduced by similar means, it seems surprising that it gets no mention in the 1996 *Flora* or its source material.

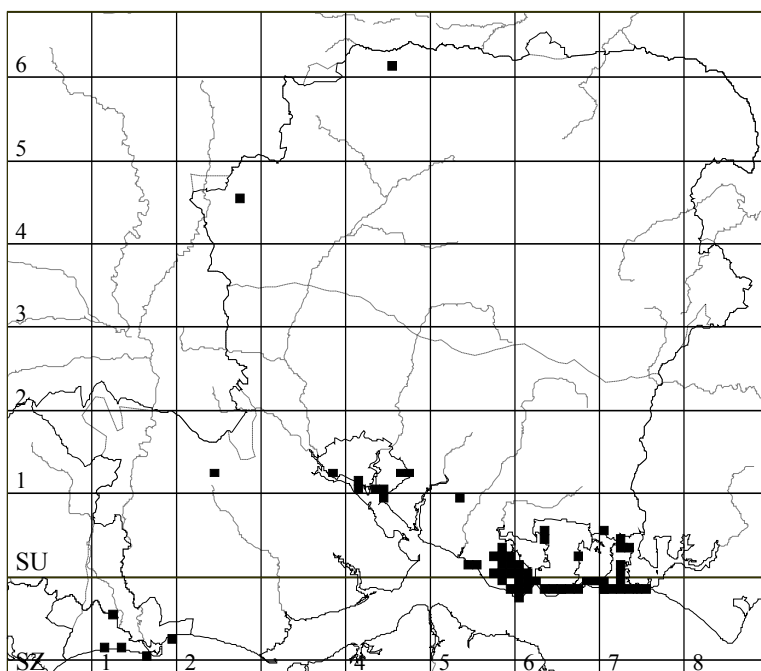


N Hants: Not Recorded

***Poa infirma* Kunth**

**Early Meadow-grass
1999-2010**

National Status: Scarce, Native



S Hants: Not Ranked

Native

The remarkable rise in records since the 1996 *Flora* probably represents both a genuine spread and the greater familiarity of this plant to Hampshire botanists. The distribution map shows records that have been documented on anther length, as well as those that have not, but are submitted by people familiar with the plant and its range of variation. A hybrid with *Poa annua* has been tentatively put forward from Gosport. As yet there are very few inland records; they include one from Stoney Cross (SU2412) and one from Whiteley (SU5309), both in 2004. At the latter site it occurred in the thick of much building

development and could have been transported in; it was nestling close to kerbstones which may provide a 'night storage heater' benefit, and should be looked for in similar situations elsewhere early in the year.

N Hants: Rare

Found new to the vice-county by PS on 30 Dec 2008, who followed this by finding it at a second site in 2009. Although it has a preference for sites near the coast, it has probably been overlooked elsewhere in VC12.

Thruxton Thruxton	SU2745 SU274453	2008-2009 21-Mar-09	ARGM	Confirmed where found recently by PS. It is dominant with hundreds of plants forming a yellowish patch c.2m x 1m at SU2748 4532 adjacent to the safety barrier. There are also a few scattered plants along the verge at SU2746 4530 closer to the aircraft control tower. They key correctly using a microscope, having anthers only 0.2 to 0.4mm long, and less than 1.5 times as long as wide.
Burghclere Tot Hill Service Station, Burghclere	SU4561 SU459612	2009 14-Apr-09	PS	50 plants on kerb edge at SU45896 61244 near the Travel Lodge / Little Chef sign. It is showing its characteristic yellowish colour.

***Polemonium caeruleum* L.**

Jacob's-ladder
1979-2010

National Status: Rare, Native and Introduced

S Hants: Rare

Neophyte

Only as a garden escape.

West End Peewit Hill, West End	SU4811 SU480115	1994 06-Jul-94	RPB	On sandy soil along open path/ride below electricity transmission line.
Winchester Winchester	SU4828 SU481284	2010 17-Jun-10	PM	8 plants with blue flowers + 1 with white flowers on east bank of River Itchen

N Hants: Rare

Neophyte

Only a garden escape in VC12.

Thruxton Thruxton Race Circuit, S of	SU2744 SU272448	2010 07-Oct-10	ARGM & MHod	At SU2722 4489 on ground subject to urban/building waste soil recycling.
Meon Hill Meon Hill	SU3435 SU3435	1997 24-May-97	RMW	Rubbish tip in farm yard, Atlas2000 field meeting, with TDi.
Abbotstone Abbotstone, Itchen Stoke	SU5634 SU564344	2003 29-Mar-03	MR	Two plants.
Ashford Hill	SU5662	1979		

Polycarpon tetraphyllum* (L.) L.*Four-leaved Allseed
1982-2007****National Status: Rare, Native and Introduced****S Hants: Rare**

Probable Neophyte

An obvious introduction at Ampfield. Along the Bournemouth coast, where it has only recently been seen, its status is a little trickier, it being one of a suite of species that are found here and as natives in the south-west and Channel Islands. However it has been found only in artificial habitats.

**Christchurch Road, SZ1091 2000-2002
Bournemouth**

Bournemouth, Christchurch Road	SZ102914	05-Sep-02	BGo & JGo	Frequent In grounds of Bournemouth Natural Science Society, SZ1023 9142.
BNSS Garden, Bournemouth	SZ1091	02-Sep-00	FAW	About/at least 1000 plants along hard gravel paths especially beside Lecture Theatre. A few as weeds in flower beds adjacent but present all around garden scattered on paths mainly between pond and two lecture theatres. Hb PJSe.

**Stourwood Avenue, SZ1391 2007
Bournemouth**

Stourwood Avenue, Bournemouth	SZ134913	29-May-07	RMW	20 plants. A well-drained bank of short turf on the boundary of a block of flats, SZ1348 9139.
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**Hillier Nurseries, SU3723 2001
Ampfield**

Brentry Container Unit, Ampfield	SU379231	17-May-01	PAB	
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N Hants: Rare or Extinct

Neophyte

Occurred for over 20 years as a weed in a garden in Aldershot.

Aldershot SU8749 1960-1982***Polygonatum odoratum* (Mill.) Druce****Angular Solomon's-seal
1892-2007****National Status: Scarce, Native****S Hants: Rare**

Native

The sad story of this plant in the New Forest is told in the 1996 *Flora* and at greater length in Chatters (2009). At present it is known in the wild only as a few depauperate non-flowering stems at the place where it was rediscovered beside Winding Stonard in 1994. It apparently did not survive at any of the transplant sites in the wild, although material derived from the rescue during the A31 widening is still preserved in a few private hands.

The site destroyed by the A31 works was W of Ocknell Arch, at and around SU244109. The transplant sites below are: Stony Moors, Marlborough Deep, Goatpen Plain (perhaps - this one was apparently not documented), Spreading Oak, Fritham Cross, and Woodfidley. The original discovery in 1892 at Hart Hill, Minstead (SU21K or SU21Q) is close by another Stonard Wood. There are unconfirmed records from Burley Street (SU20B) in 1954 and Ridley Plain (SU20D) in 1964: the latter still looks promising and the author has done some limited searching there, but it probably deserves more attention.

The fact that all other British populations of this species are at some distance, and on limestone, has given rise to doubts about its native status here. However it is not confined to highly calcareous soils on the near Continent, though certainly commoner on them.

Vegetative herbarium specimens (**BIRM**) from Netley Abbey collected by Thomas Clark in 1840 and labelled "*Polygonatum officinale*" are not convincing.

**Stony Moors, SZ2199 1962
Holmsley****Marlborough Deep SZ2298 1962**

Goatspen Plain, Burley	SU2201	1971-1973		
Winding Stonard	SU2310, SU2410	1994-2007		
Winding Stonard	SU2310	23-Jul-97	FR & NAS	Very rare – sterile.
Winding Stonard, N of Fritham Cross	SU242109	22-May-94	RMV	Under eastmost Quercus on S edge of Winding Stonard a few metres N of A31 fence. 21 plants, all small, some with only 1 or 3 pairs of leaves, no flowers.
Winding Stonard, N of Fritham Cross	SU242109	31-May-07	AEB	5 plants, 2 with 4 leaves each.
Spreading Oak	SU2410	1975		
Fritham Cross, A31 N. of	SU2410	1969		
A31, W. of Ocknell Arch	SU2410	1955		
Woodfidley	SU3405	1962		

N Hants: Not Recorded

***Polygonum maritimum* L.**

Sea Knotgrass 1836-2010

**National Status: Vulnerable, Rare, Native
WCA Schedule 8**

S Hants: Scarce

Native

Since the 1996 *Flora*, when its fortunes were starting to improve again, it has gone from strength to strength on the coast from Hengistbury (where its first British record was made) to Highcliffe, and on eastern Hayling, with occasional setbacks in hard winters. At Highcliffe it is susceptible to trampling. It is not clear whether records from 'Mudford' in 1879 and 1902 refer to the west or east side of Christchurch Harbour mouth; the spit on the west side is known as 'Mudford Spit'.

Hengistbury Head	SZ1890, SZ1891	1836-2009		
Christchurch Head	SZ1891	1836	WBo	"Christchurch Head on the sandy shore towards Muddiford". Publ., Babington, Trans. Linn. Soc., xvii, 458 (1837) – which is presumably the source of Linton's 'Mudford, 1837'.
Hengistbury Head	SZ1891	1990	TWa	Sand spit. Watsonia 18:427. First record since 1902.
Hengistbury Head	SZ181908	31-Jul-93	RPB	At base of spit on seaward side, in sand with some shingle counted 141+ plants [total : split arbitrarily] over 222m (paces) 181908 – 182911 S of telephone cable pole, between 8 th and 5 th groynes from S of beach.
Hengistbury Head	SZ182911	2006	RMW	
Hengistbury Head	SZ182912	2006	RMW	
Hengistbury Head, N	SZ182914	19-May-07	HFG	c.SZ1828 9145, west shore.
Hengistbury Head	SZ183911	27-Oct-95	MEY	8 Plants. Opposite hut 315.
Hengistbury Head	SZ183912	11-Sep-01	RSC	
Hengistbury Head	SZ183914	31-Jul-93	RPB	[Approx. SZ181908] On sandy shingle S of lifebelt post.
Hengistbury Head	SZ183915	24-Jul-92	RPB	Sand/shingle spit just S of NE tip. 48 plants in 5 x 2.5m just S of lifebelt post., plus one more small plant on upper beach. Plants ranging from very small to strong branching plants in flower.
Hengistbury Head	SZ183915	19-May-07	MR & HFG	At SZ1831 9151, SZ1835 9155 and SZ1839 9157, far (N.) end of spit.
Hengistbury Head	SZ184914	01-Jun-09	DL	
Hengistbury Head	SZ184915	2006	RMW	
Hengistbury Head	SZ184916	2006	RMW	

Mudeford	SZ1891	?1879-1995			
Mudeford	SZ187919	26-Jul-95	RPB		Avon Beach, Mudeford. 10 strong plants with fls/fr. and 2 seedlings, in two groups 60m apart. Situated c.20 – 30m from promenade wall. Level mobile sand above shingle zone of beach. See card for detail, assoc. species, etc.
Highcliffe	SZ1992, SZ2092, SZ2093	1997-2008			
Steamer Point, Highcliffe	SZ199929	1997	PS & EJC		One plant 61 x 55 cms. 30m SE of foot of steps leading up cliff and 20m from scrub line at foot of cliff.
Steamer Point, Highcliffe	SZ199929	23-Oct-97	RMW		Rare Plant form. with Ely jun, Cak mar, Atr lac(?).
Highcliffe	SZ201929	01-Sep-07	MR		Single small plant on middle beach at SZ2016 9298.
Highcliffe	SZ202929	01-Sep-07	MR		Single small plant on middle beach at SZ2025 9298.
Highcliffe Castle	SZ203930	01-Sep-07	MR		4 plants on upper levels of shingle beach, SZ2039 9301.
Highcliffe	SZ205930	01-Sep-07	MR		Back of shingle beach by path, single plants at SZ2056 9304, SZ2057 9305.
Highcliffe Castle	SZ205931	29-Jun-08	DL		1 large plant by promenade E of zigzag path below castle.
Highcliffe	SZ206931	05-Jun-07	PEI		Approx 100-200m E of slope path down from Highcliffe Castle, on seaward side of 'promenade'. GR approx SZ/205,931-206,931. [Confirmed by GDF 23/6/07.]
Sandy Point, Hayling	SZ7598	1995-2010			
Hayling Island Beach	SZ746980	18-May-09	ILR		HBIC record. Rare.
Havant Hayling Sandy point	SZ7598	22-May-08	JRWH		Many plants on shingle east of nature reserve – just starting to flower.
Sandy Point	SZ750981	01-May-80	FR		HBIC record.
Shingle north of Eastoke Point on Hayling Island	SZ750982	27-Jul-06	JRWH		Around 100 healthy plants in one area east of extended fencing of reserve. Many plants seen previously north of here have vanished under dumped shingle.
Sandy Point, Hayling Island	SZ750983	29-Jul-10	MR & GCo		C. 50 plants but about one quarter dead or moribund – perhaps affected by previous winter.
Sandy Point, Eastoke	SZ750984	04-Jun-02	JAN, DRA & EJC		SZ75095 98340, 4 flowering/fruited plants & several seedlings on sand/shingle mix, c.30m from back of beach, not far from Euphorbia paralias.
Nr Lifeboat Station	SZ751984	04-Jun-98	JRWH		

N Hants: Not Recorded

***Polypodium cambricum* L.**

Southern Polypody ?1883-2009

National Status: Not Scarce, Native

S Hants: Scarce

Native

The 1996 *Flora* states that the first record was by Peterken in 1966 but in fact it is noted (without reference to sites or habitat) in Townsend (1883). It is now known to occur as a denizen of mediaeval walls, usually close to the coast, but remarkably also as an epiphyte of trees (mostly Oak) in humid ancient woodlands of the New Forest, where several more sites have been found in recent years.

Christchurch Priory	SZ1592	1989			
Quay Road, Christchurch Priory	SZ159924	1989	PS		One small patch on roadside brick wall W of Priory Hb RPB.
Mark Ash Wood	SU2407	2005			
Mark Ash Wood	SU245072	12-Mar-05	NAS		Epiphytic on <i>Acer campestre</i> at SU2455 0720. Checked microscopically.

Emery Down Emery Down	SU2808 SU2808	1989 1989	DCW	Lyndhurst Hill. Watsonia 18 :420, 2 nd VC Record comm. AEB.
Whitley Wood	SU2905, SU3005	1996-2004		
Whitley Wood	SU297055	Jan-04	AEB, MR, RMW	On fallen oak, SU2975 0555. Det. RCo from specimen coll. RMW.
Whitley Wood	SU298055	Jan-04	AEB, MR, RMW	On oak, SU2982 0559. Det. RCo from specimen coll. RMW.
Whitley Wood	SU299052	Jan-04	AEB, MR, RMW	On oak, SU2995 0529. Det. RCo from specimen coll. RMW.
Whitley Wood S of Lyndhurst	SU299055	13-Feb-96	AEB	
Whitley Wood	SU300053	Jan-04	AEB, MR, RMW	On oak, SU3004 0537. Det. RMW.
Hollands Wood	SU3004, SU3005	2002-2005		
Hollands Wood	SU304048	19-Feb-02	AEB	On oak in tongue of woodland approximately opposite New Park.
Hollands Wood	SU304054	05-Feb-05	HFG, BPS	On oak, SU3046 0542.
Hollands Wood	SU304055	05-Feb-05	HFG, BPS	On oak, SU3048 0555.
Hollands Wood	SU305053	05-Feb-05	HFG, BPS	On oak, SU3052 0533. Det. RCo from specimen previously coll. AEB, MR, RMW.
Hollands Wood	SU305055	05-Feb-05	HFG, BPS	On oak, SU3051 0557.
Hollands Wood	SU306054	05-Feb-05	HFG, BPS	On oak, SU3063 0549.
Hollands Wood	SU306055	05-Feb-05	HFG, BPS	On oak, SU3062 0555.
Hollands Wood	SU306056	05-Feb-05	HFG, BPS	On oak, SU3060 0568.
Hollands Wood, Lyndhurst	SU307054	05-Feb-05	HFG, BPS	SU3070 0544. On oak, coll. FJR. Also SU3072 0545.
Denny Wood	SU3306	1966		
Stubbs Wood	SU3603	2003-2004		
Stubbs Wood	SU366033	Jan-2004	AEB, MR, RMW	On oak, SU3669 0336. Det. RMW.
Beaulieu Abbey	SU3802	1992-2005		
Beaulieu Abbey Church	SU387025	06-Jul-99	FR	
Beaulieu Abbey Church	SU388025	05-Feb-05	HFG	Beaulieu Church, c.33 more-or-less (semi-)distinct clumps on low walls by the church, & 6 or 7 on nearby building.
St Leonards	SZ4096	1993-2002		
St Leonards, Beaulieu	SZ406981	17-Apr-02	BGo & JGo	
Netley Abbey	SU4509	1993-2003		
Netley Abbey	SU453089	03-Feb-03	MR	Clump on SW corner of monastic kitchen, perhaps elsewhere on W walls.
Winchester	SU4828, SU4829	2009		
Nr Winchester College, Winchester	SU482288	05-Dec-09	MSt	One plant on wall beside stream, SU 4827 2881. Conf. RCo.
Cathedral Close, Winchester	SU482292	05-Dec-09	MSt	There is a good number of plants ... growing on the wall to the south of the path at the east end of the Cathedral. Conf. RCo.
College Walk, Winchester	SU483289	05-Dec-09	MSt	On roadside face of wall beside Winchester College, SU 4837 2891. Conf. RCo.
Winchester Cathedral Precinct	SU483292	05-Dec-09	MSt	On wall top, beside footpath leading from east end of the cathedral, SU 4835 2921. Conf. RCo.
Bishops Waltham Palace	SU5517	1997		
Bishops Waltham	SU551172	07-Jun-97	PS & CSt	Hb RPB On top of ramparts of ruins.

N Hants: Not Recorded

Polypodium x mantoniae* Rothm. & U. Schneid.*Hybrid Common x Intermediate Polypody
1973-2008****National Status: Unlisted, Not Scarce, Native****S Hants: Scarce**

Native

Scattered and possibly overlooked; however exceptionally robust patches of fully fertile *P. interjectum* occur (particularly along the southern fringes of the New Forest) and all populations require microscopic determination from spores.

Kingston North Common	SU1403	1986		
Winsor	SU3114	1986		
Warborne Warborne	SZ3397 SZ336975	2008 May-08	BPS	"This is in the lane from Portmore to Warborne Farm. Walking from Portmore to Warborne Farm, it is on the right hand side of the road just after the houses finish. " (RG) [Needs confirmation from spores. – MR]
Withycombe Shade Withycombe Shade	SU3507 SU3507	1997 30-Mar-97	NAS	
Toothill Upper Toot Hill	SU3818 SU383183	1989 14-Feb-89	RMV	
Lee Ground Lee Ground	SU5308 SU536083	1987-2003 29-Jul-03	PJSe, MR, KPi & SBa	In abundance on S side of road. Same site as RPB found it.
Droxford Churchyard	SU6018	1985		

N Hants: Rare

Native

Almost certainly under-recorded in VC12 as it needs a microscope for certain identification.

Wishanger Wishanger	SU8203 SU820384	2003 14-Jun-03	ARGM & SC	On bank of sunken lane, SU8200 3841. Specimen det. RCo 11/3/2004, Hb.ARGM.
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Polypodium x shivasiae* Rothm.*Hybrid Intermediate x Southern Polypody
2004-2009****National Status: Unlisted, Rare, Native****S Hants: Rare**

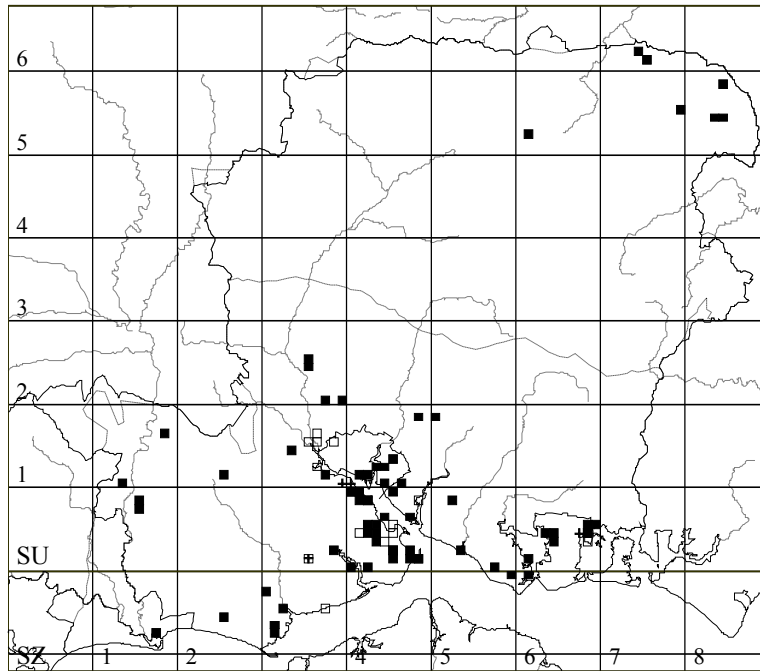
Native

Recorded from only three sites, but may occur elsewhere, particularly in the New Forest woodlands where the parents often grow in close proximity.

Whitley Wood Whitley Wood	SU2905 SU297053	2004 Jan-04	AEB, MR, RMW	On oak, SU2977 0537. Det. RCo from specimen coll. RMW
Hollands Wood Whitley Wood	SU3005 SU298055	2004-2005 05-Feb-05	HFG, BPS	On oak, SU3053 0556. Det. RCo from specimen coll. RMW in 2004
Wharf Hill, Winchester Winchester	SU4829 SU485290	2009 05-Dec-09	MSt	North side of weir, between the weir and path – couple of patches of the fern present. Conf. RCo.

N Hants: Not Recorded

National Status: Scarce, Native and Introduced



S Hants: Not Ranked

Native and Neophyte

First recorded in Britain at Drayton, near Portsmouth, in 1595. A rather rare and declining native of coastal grasslands, with a large population remaining at Dibden Bay. However it has appeared increasingly as a colonist of all sorts of disturbed ground, often now at some distance from the coast; for instance there is currently (2008-10) a large population at Blashford Lakes (SU1508).

N Hants: Scarce

Neophyte

Only a neophyte in VC12, where it is spreading on disturbed soil.

Basingstoke Basingstoke	SU6154 SU619524	2007 25-May-07	PHR	Hb.ARGM 20 plants on waste ground adjacent to playing fields, north of railway and north of main footpath.
Bramshill Plantation Bramshill Plantation	SU7462, SU7561 SU7462	1993-2000 10-Aug-00	BGo & JGo	On track near top of hill overlooking the flooded pits.
Bramshill	SU752618	12-Jul-93	CC	Hb.AB Specimen Bi2003.24.993, scattered tufts along sandy track.
Bramshill	SU754617	30-Jul-97	CRH	24 tufts by track adjacent to spoil tip. Not refound at the 1993 site.
Bramshill Plantation, Bramshill	SU757618	1995	ILR	
Elvetham Heath Fleet N of, Elvetham Heath	SU7955 SU795553	2006 29-Jun-06	CRH	45+ plants on newly landscaped verge beside cycle track, Elvetham Heath, det. ARGM 10 July 2006.
Farnborough, QinetiQ Farnborough, QinetiQ	SU8354, SU8454 SU838541	2002-2006 17-Jun-03	ARGM	20 plants scattered at SU838 35419, 8390 5429, 8388 5430 and 8398 5419 on disturbed sandy soil.
Farnborough	SU838542	20-Sep-02	ARGM	Single plant on disturbed soil beside new road at QinetiQ, close to corner of playing field.
Farnborough, QinetiQ site	SU838544	Sep-06	GKn	2 clumps 10-15 flower heads on disturbed brownfield site.
Farnborough, QinetiQ	SU842543	17-Jun-03	ARGM	Scattered widely but plentiful beside raised bank at SU8424 5437 with 30 plants, Hb.ARGM.

Hawley Hill Hawley Hill	SU8458 SU845588	1991 25-Aug-91	CRH	On sandy heathland on Hawley Hill, but close to a bank of recently dumped soil.
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***Polystichum x bicknellii* (Christ) Hahne** **Hybrid Soft x Hard Shield-fern**
?1838-2009

National Status: Unlisted, Scarce, Native

S Hants: Rare

Native

In addition to these two sites, fronds collected by Andrew Leonard and the BPS in 2009 from near Buriton (SU7420) have been examined by Fred Rumsey but pronounced fully fertile, although with very variable spore sizes and strongly intermediate in morphology. Cytological examination of these is required.

West Wellow West Wellow	SU3020 SU301203	1997 19-Oct-97	RMV	Bank of stream (v.c. boundary) in deciduous woodland. Confirmed Miss A M Paul.
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Sims Wood Sims Wood, Beaulieu	SU4101 SU411015	1996 11-May-96	RPB	Foot of wooded bank.
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N Hants: Rare

Native

Its parents often grow together but this hybrid is under-recorded as certain identification requires a microscope. The specimen collected at East Woodhay in c.1838 is held in BM, and was expertly determined c.1980.

East Woodhay	SU4061	?1838		
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Froxfield Nr Cole's Copse	SU6927 SU698275	1989 1989	JF	Lane between Froxfield and Privett, det. ACJ, Hb. JF.
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Ashford Hill Hanger Ashford Hill Hanger	SU7326 SU730265	2009 05-Aug-09	MR, ALe & ARGM	Plant at SU7309 2653, c.10m down below path, pointed out by ALe, and confirmed by MR from morphology and microscopically (sterile, small mis-shapen spores). Both parents nearby and another probable hybrid just above path at SU7310 2655.
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Selborne Selborne	SU7433 SU741333	2009 05-Aug-09	MR, ALe & ARGM	On the lower part of the Zig-zag path at SU7410 3331. Confirmed by MR by morphology and microscopically (spores infertile, mostly very small and mis-shapen). Another plant on the Zig-zag at SU7309 3330, and one a few metres N of the bottom of the Zig-zag at SU7409 3334 also appeared morphologically to be this hybrid.
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***Populus nigra* L. subsp. *betulifolia* (Pursh) Dippel** **Black Poplar**
1927-2010

National Status: Not Scarce, Native and Introduced

S Hants: Scarce

?Native and Introduced

Surprisingly scarce given the extent of apparently suitable terrain in the Avon and Test valleys, and an obvious planting in several sites. Superb old trees of *P. x canadensis* in the Avon Valley are sometimes mistaken for it. The cultivar 'Plantierensis' is a hybrid of this and the Lombardy Poplar and is increasingly used in plantations; it resembles the native in leaf characters and can be galled by the same aphids.

Throop Throop Mill etc	SZ1195 SZ1195	2006 May-06	RMW	
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Tuckton Tuckton etc	SZ1492 SZ1492	2006 21-Aug-06	RMW	
Christchurch Priory	SZ1692	1976		
Lymington Lymington, Belmore	SZ3295 SZ325951	1994-1998 21-Feb-98	MEY	Confirms 1996 Flora record from EM-R.
Broadlands	SU3520	1976		
Hazeley Down, Twyford Hazeley Down	SU5025 SU502256	1994-1998 10-Jan-98	PJSe	11 trees (planted) counted either side of bridleway. Conf EM-R 1994 from earlier record. KJA has recently re-examined these trees and cast doubt on their identity.
Rowner Rowner	SU5801 SU584018	1995 01-Aug-95	JRow	
Portsmouth Old Portsmouth	SZ6399 SZ632993	1993-1997 24-Jul-97	EAP	Cathedral S Side.

N Hants: Scarce

Native and Introduced

Probably native close to rivers or streams, and occasionally propagated as cuttings from wild stock (as at Polhampton). As it is a long-lived tree it is probably extant at all the sites listed here.

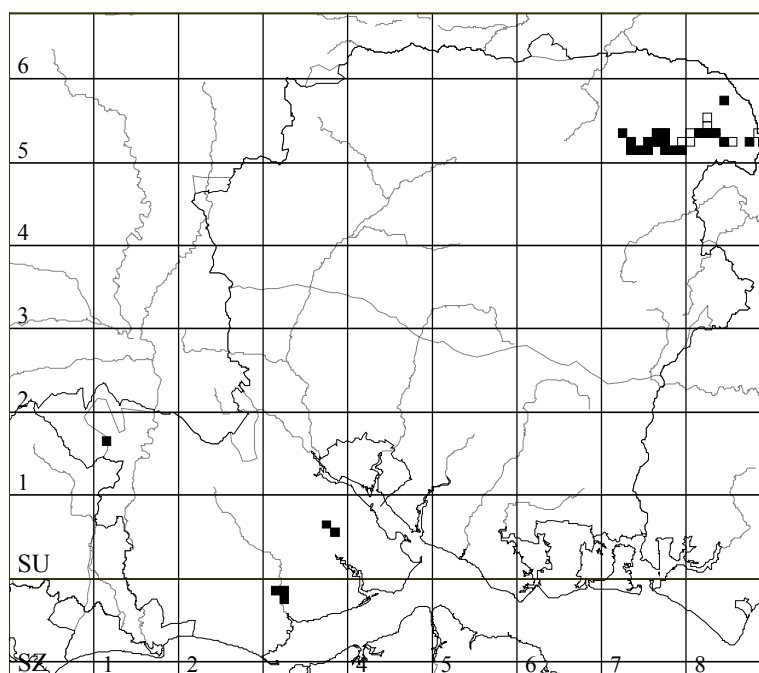
Ecchinswell, Hyde Farm Ecchinswell- Hyde Farm	SU5061, SU5161 SU508613	2003 11-Jul-03	SPR & SBa	Two mature trees at SU5086 6134 in garden setting.
Ecchinswell- Hyde Farm	SU511612	11-Jul-03	SPR & SBa	Two mature trees at SU5116 6120 by streamside.
Polhampton, Overton Polhampton, Overton	SU5250 SU527504	2004-2010 17-Jul-07	ARGM et al	Three young saplings about 5m tall that had been propagated by the farmer, Richard Gibbins, from the very large trees about 100m away, and planted along a field edge.
Polhampton Farm, nr Overton	SU528504	15-Aug-10	KJA	A large tree at SU52833 50477 (and possibly another one further south at c.SU5280 5042 that could not be reached).
Polhampton Farm, nr Overton	SU528505	15-Aug-10	KJA	At least one large tree at SU52803 50501.
Basing Mill Field Wood, Basing	SU6653 SU663532	1976-2010 15-Aug-10	KJA	Two large high level pollards, smothered with spiral galls, at SU66333 53244 and SU66342 53234.
Mill Field Wood, Basing	SU664533	29-Apr-09	NM, JA & ARGM	One large pollarded tree beside ditch at SU6644 5337. Also a dead fallen Black Poplar a few metres away. (Confirmed ARGM from leaf & twig specimens collected by NM in June 2009).
Basing, R. Loddon bridge	SU666537	1976	AB	Near Pyotts Hill.
Old Basing, River Loddon	SU667536	15-Aug-10	KJA	Two fairly large trees at SU66715 53691 and SU66728 53692 on east bank of River Loddon just north of Loddon Bridge.
River Lyde, Lyde Mill	SU6954	1984		
Greywell Mill Greywell	SU7150 SU715508	1986-2010 07-Aug-10	KJA	A huge high level pollard at SU71593 50845, north of Greywell Mill, possibly the largest Black Poplar in the UK, with a bole around 8 feet in diameter.
Alton, King's Road	SU7239	1976		

Warnborough Green	SU7351, SU7352	1987-2010			
Warnborough Green	SU731519	07-Aug-10	KJA	One large low pollard at SU73112 51970 and two very old regenerated trees at SU73132 51976. A specimen from the westernmost was det. cytologically as Clone 23 (which is normally male).	
Warnborough Green	SU731520	07-Aug-10	KJA	One tree near 'Bluebeckers' car park at SU73128 52058, adjacent to a hybrid. Specimen det. cytologically as Clone 28 (Manchester Poplar) so different from the nearby veteran trees on the southern margin.	
River Hart, nr Hazeley	SU7658	2005			
Crabtree Copse, NE	SU761589	23-May-05	JMil	HBIC record. At SU7614 5890.	
Blackwater Valley Meadows	SU8460, SU8559	1994-2010			
Blackwater Valley Meadows	SU847605	07-Aug-10	KJA	Three to four trees in a line at SU8472 6057.	
Blackwater Meadows	SU8559	1994	JES	A male tree.	

Potamogeton alpinus Balb.

**Red Pondweed
1861-2010**

National Status: Not Scarce, Native



S Hants: Rare

Native

Chiefly now known from the Lymington and Beaulieu Rivers, but previously also recorded in the Moors River (SZ19). Druce and King collected it much higher up the Beaulieu River at Longwater Lawn (SU30J) in 1882, where it was also recorded by Groves in 1874.

Rockbourne SU1116 2002
West Park – big lake SU116162 22-Sep-02 PAB

River Stour, Iford SZ1393 1960

Lymington River, Boldre	SZ3197, SZ3198, SZ3298	1980-2010		
Boldre	SZ319984	16-Jun-10	MR	
Greenmoor, Boldre	SZ320985	30-Jun-97	MEY	Boldre Bridge conf AEB.
Boldre, Lymington River	SZ321978	14-Jun-04	AEB	
Beaulieu River, Buck Hill	SU3706, SU3805	1976-1997		
Ipley	SU379061	19-Apr-97	NAS	Beaulieu River 3797 0615.
Beaulieu River nr Buck Hill	SU381059	14-Jun-76	RPB	Shady river, slow flowing. Locally abundant over c. 300 yards. [N end of extent]
Beaulieu River nr Buck Hill	SU382056	14-Jun-76	RPB	Shady river, slow flowing. Locally abundant over c. 300 yards. [S end of extent]
Beaulieu River	SU382058	11-Apr-97	NAS	In river in deep still section.
Buck Hill Riparian Woodland	SU383057	11-Apr-97	NAS	HBIC record.
Beaulieu River nr Starpole	SU384053	05-Jul-76	RPB	Shady river near ford. Very local.
Beaulieu River, North Gate	SU3804	1976		

N Hants : Infrequent

Native

In a few disused gravel pits or ponds on acidic substrates. Formerly plentiful in the Basingstoke Canal, it thrived on the disturbance of dredging but has declined sharply now that the water is usually turbid, possibly due to the passage of pleasure boats. It was still present on the canal in 15 1km squares in 1997 when CRH noted "The most common *Potamogeton* on parts of the canal, often locally dominant in shallower water but absent in the centre channel." However, CRH could not refind any during his 2009 canal survey. On our criteria for records from 1987 onwards it qualifies as Infrequent but as the vast majority of records for it was from the Basingstoke Canal, its current status in the vice-county is better described as Rare or even possibly Extinct.

Potamogeton nodosus Poir.

Loddon Pondweed
1977-1994

National Status: Vulnerable, Rare, Native

S Hants: Not Recorded

N Hants: Rare

Native and Introduced

In slow-flowing rivers. It may be overlooked as river access is often difficult. In 1989 it was noted in the River Loddon at SU711646, just in Berkshire, but only 200m from Hampshire, whence the river comes via the Sherfield site noted below, so it is likely to be elsewhere along this stretch.

R. Loddon, Sherfield on Loddon	SU6858	1992		
R. Loddon, Sherfield on Loddon	SU684582	1992	NTHH	Near Longbridge Mill. Doing alright to 1992. Competition strong with Sparganium.
R. Blackwater / R. Whitewater confluence	SU7463	1988-1994		
R. Blackwater / R. Whitewater confluence	SU742635	1994	NTHH	At Riseley Ford. Introduced. Spreading slowly only in R. Whitewater.
R. Blackwater, Darby Green	SU8360	1977		
R. Blackwater, Aldershot	SU8852	1977-1980		
R. Blackwater, Farnborough	SU8853	1977		

Potamogeton trichoides Cham. & Schldtl.**Hairlike Pondweed
1975-2000****National Status: Not Scarce, Native****S Hants: Extinct**

Native

Recorded at Mansbridge (SU4415) in 1975 by Paul Bowman in an old reservoir.

N Hants: Rare

Native

Only known in ponds close to the River Blackwater that forms part of the county border.

R. Blackwater, Hawley	SU8559	1991			
River Blackwater, Hawley (Hants, VC12)	SU855595	07-Jul-91	CRH	Plentiful at one end of the pond beside the River Blackwater at Hawley. Confirmed FR and NTHH.	
R. Blackwater, Aldershot	SU8851	1992-2000			
Spring Lakes, Aldershot	SU886515	14-Aug-97	CRH	Abundant in pond, created as part of the A331 mitigation, at Spring Lakes angling club.	
Lakeside Park, Aldershot	SU887515	21-Aug-98	CRH	Seen again (in the new location first found on 15 Aug 1997) in the most southerly pond at Lakeside Park, well away from the bank.	
Lakeside Park, Aldershot	SU887515	19-Aug-00	CRH	Locally plentiful in 1994 (in the location first found on 7 Jul 1992) but then apparently out-competed until a small patch reappeared in 2000. This location is now part of Lakeside Park LNR.	

Potamogeton x fluitans Roth**Hybrid Broad-leaved x Various-leaved Pondweed
1879-2004****National Status: Vulnerable, Rare, Native****S Hants: Rare**

Native

Recorded only in the Moors River where it is frequent over several kilometres. There has to be some doubt over the site of the record at Fillybrook as the location description does not tally with the grid reference.

Moors River, St Leonards	SU0900, SU0901, SU1001	1939-1994			
Moors River, nr. St Leonards	SU096013	1976	AB	Abund. in the Moors River, from SU096013 to 099019. Hb AB.	
nr St Leonards	SU097016	1977	RPB		
Moors River, nr. St Leonards	SU099019	1976	AB	See above.	
Hurn Forest	SU103010	1994	HJMB	Moors River Conf. CDPr.	
Moors River, East Moors	SU0903	1971			
Moors River, Hurn Bridge	SZ1296, SZ1297	1879-2004			
Moors River	SZ126965	07-Aug-96	FAW	Det NFS.	
Moors River	SZ126969	1977	RPB	Hurn (Bridge – as added note).	
Sopley Common	SZ1297	19-May-94	HJMB	In Moors river Conf CDPr [Presumably at Troublefield].	
Moors River, Troublefield	SZ125974	2004	MR, BGo & JPol		
Moors River, Fillybrook	SZ1298	1939			

N Hants: Not Recorded

Potamogeton x salicifolius Woflg.**Hybrid Shining x Perfoliate Pondweed**

1873-?2007

National Status: Unlisted, Scarce, Native**S Hants: Rare**

Native

Confined, like the last hybrid, to one waterway; in this case the River Avon. There are records from the 19th and early 20th centuries from Breamore (SU11T) down to Christchurch (SZ19L), and a record from Christchurch (SZ19M) with both parents in 1976. A specimen taken from higher up the river at Coward's Marsh (SZ1595) during a Hampshire Flora Group meeting in 2007 may also have been this, but material was inadequate and it needs a further collection.

River Avon, Knapp Mill	SZ1593	1902-1976		
River Avon, Cowards Marsh	SZ1594	1976		
River Avon, Sopley	SZ1597	1934-1987		
Jockstrill Common, Sopley	SZ151972	15-Jul-87	JO & RPB	Several plants, leaves only
Sopley	SZ151976	?1978	PDG	'Avon'.
River Avon, Bisterne	SU1301	?1978		

N Hants: Not Recorded**Potentilla argentea** L.**Hoary Cinquefoil**

1848-2009

National Status: Near Threatened, Not Scarce, Native**S Hants: Scarce**

Native

Trackways and open ground on sand, often impermanent, and lost on some sites. Also recorded elsewhere near Hurn (?SZ19I), where lost; in the Winkton area (SZ19S) between 1850 and 1927; in the Walhampton area (SZ39H) in 1912; in the Southampton area in 1848; and dubiously at Cherque, Gosport (SU50Q) in 1969. The Townhill Park site is anomalous, and may refer to the rather similar *P. inclinata* which has been seen as a nursery weed in Hants.

Hurn	SZ1198, SZ1298	1991-1998		
Hurn Airport	SZ117986	21-Jun-98	FAW	
Bournemouth (Hurn) Airport	SZ121985	1991	BE	Hurn Airport. Monkswood printout comm. JO.
Turner	SU1309	1998		
Turner Area	SU130096	1998	GDF	One plant Sandy ground between track and field.
Blashford Lakes	SU1507	2009		
Blashford Lakes NR	SU150077	26-Aug-09	JAN, DRA & EJC	10 plants, SU1506 0779 on gravelly track between Ellingham L. & NW part of Ivy Lake.
Woodington sand pit, Wellow	SU3120	1963		
Casbrook Common, Timsbury	SU3625	1968		
Townhill Park	SU4415	2004		
St Helena Gardens	SU448152	09-Jul-04	PAB	Growing as weed amongst cultivated heathers.
Townhill Park				
Fort Cumberland	SZ6899	1994-1997		
Fort Cumberland	SZ681994	27-May-97	EAP	2 sites in fenced ground N of Fort.

N Hants: Scarce

Native

On sparsely vegetated dry sand, in disused sand-pits, road verges or on sandy heathland tracks. Most records are confined to the Lower Greensand heaths around Bordon. However, in 2009 a colony was

found on the Thames Valley heaths about 500m from VC12 into Surrey, at Hale Common, north of Farnham. This indicates that it could possibly be overlooked nearby on the adjacent Bourley/Aldershot heaths.

Harewood Forest	SU3943	1985-1991		
Harewood Forest	SU396434	1991	MFW	Stone footpath at T-junction.
Harewood Forest	SU397435	1985	RMV	SU397435 approx.
Hazeley Heath	SU7657	1986		
Shortheath	SU7736	1977-2002		
Shortheath	SU770365	12-Aug-02	BGo & JGo	In grassy triangle between tracks at N end of village, SU7707 3657.
Shortheath, Oakhanger	SU770366	16-Aug-00	BGo	In some quantity amongst grasses in small triangle of sandy ground between two tracks and main road.
Shortheath, Oakhanger	SU771366	16-Jul-00	BGo & JGo	Shortheath on the 'triangle'.
Kingsley, Lode Farm	SU7737	1885		
The Slab, Bordon	SU7735	1972-2007		
The Slab, Bordon	SU778358	03-Jul-07	ARGM	8 plants at SU7781 3583.
Bordon	SU7836, SU7936	1970-2008		
Bordon	SU787367	16-Jul-08	NM	
Bordon	SU789367	1997	AB	c.SU789367, link between Bordon Station and disused military railway.
Bordon	SU792369	15-Jul-06	ARGM	Single plant in short grass, SU7920 3697.
Oxney Farm, The Brocas	SU7837, SU7937	1998-2007		
Oxney Farm	SU789370	13-Jun-07	ILR	HBIC record. At SU7896 3700, Army Training Area M3.
Oxney Farm	SU791373	13-Jun-07	ILR	HBIC record. At SU7914 3732, Army Training Area M2.
The Brocas	SU792372	Jun-07	ILR	Locally frequent in short sandy lawns on the western edges of The Brocas.
Woolmer Forest	SU7933	1960-1986		
Kingsley Common	SU7938	1962		
Whitehill	SU7933	1986		
Sleaford	SU8038	1960-2005		
Sleaford	SU801383	15-Jun-05	ARGM	30 plants, spreading along at least 70m of N side of road.
Sleaford	SU801384	2000	SP	On roadside verge.
Broxhead Common	SU8037	1960-1980		
Bordon Sand Pit, Sleaford	SU8038	1956-2009		
Bordon Sand Pit, Trottsford Farm	SU805384	04-Sep-09	JMil	HBIC record. At SU8055 3840.
Sleaford Common	SU806383	1956	CL	Sleaford Common, opposite the top sand-pit.
Bordon Sand Pit, Sleaford, nr Trottsford Farm	SU806384	04-Jun-98	ARGM & DBr	
Bordon Sand Pit, Sleaford	SU807384	28-Jul-04	ARGM	Beside lane at end of pit at SU8074 3842.

Potentilla tabernaemontani Asch.

Spring Cinquefoil
1932-2009

National Status: Scarce, Native

S Hants: Not Recorded

N Hants: Rare

Native

On bare chalk or very sparse turf of chalk spoil heaps created by the excavation of a railway tunnel in the 1840's. Occasionally also on adjacent farm land, and formerly on the chalky cuttings of the nearby railway station.

Roundwood Farm, Micheldever	SU5144	1957-2009		
Roundwood Farm, Micheldever	SU510447	Apr-1957	RPB	SU510447 etc. Also at The Scrubs, Micheldever Station Railway tunnel spoil-heaps. Widespread and plentiful to abundant.
Roundwood Estate	SU517443	Aug-2009	PJW	One plant in field margin.
Micheldever Railway Station	SU5142, SU5143	1932-1950		
Elf Oil fuel storage depot	SU5143	1992		
Elf Oil fuel storage depot	SU5143	1992	ILR	On layer of chalk over the tanks (and on roadside turf).
Micheldever Oil Terminal	SU519435	11-Sep-92	ILR	HBIC record.
Micheldever Spoil Heaps	SU5144, SU5244	1955-2009		
Micheldever Spoil Heaps	SU519443	08-Jun-05	ARGM & MEdw	Over 20 plants in 6m x4m open glade at SU5196 4433. Hundreds more at SU5198 4434.
Micheldever Spoil Heaps	SU519444	05-Jul-09	ARGM	Dozens of plants at SU5197 4446, near the telegraph pole and more at SU5197 4443.
Micheldever Spoil Heaps, N of, W of railway	SU519448	22-Jul-00	ARGM	SU5192 4480. Bare chalk spoil. Mainly on eastern strip (shown on sketch map), must be at least 500 plants.
Micheldever Spoil Heaps	SU520440	21-Apr-57	RPB	Hb.RPB Specimen 3352, chalk turf near roadside.
Micheldever Spoil Heaps	SU520443	13-May-08	NM	
Micheldever Spoil Heaps	SU520444	1995	JRow	
Micheldever spoil heaps	SU520445	16-Apr-00	ARGM	Numerous plants.
Micheldever Spoil Heaps (N of Popham Beacons)	SU521440	16-Jun-91	HFG	[GR calculated from annotated map] 2 locations marked: c.15 plants from 521440 into 521441. Also from 519443 into 520443.
Micheldever Spoil Heaps	SU521441	16-Jun-91	HFG	[GR calculated from annotated map] 2 locations marked: c.15 plants from 521440 into 521441. Also from 519443 into 520443.
The Scrubs, nr Popham Beacons	SU521444	09-Jun-62	AWW	

Potentilla x suberecta Zimmerer**Hybrid Tormentil x Trailing Tormentil
1890-2010****National Status: Unlisted, Scarce, Native****S Hants: Scarce**

Native

Probably more widespread than the records indicate, especially on the New Forest where its parents are not infrequently found close together. Also recorded in the Marlborough Deep area (SZ29J), not far from the Magpie Green records, in 1952; and on Browndown (SZ59Z), where it may well still be present, in the same year.

Magpie Green, Holmsley	SU2100	2004-2010		
Magpie Green	SU210000	31-Jul-10	EAP	One at SZ21 060006 – with five small petals and no fruit being formed.
Magpie Green, Holmsley	SU211001	01-Aug-04	MR, RMV & MEY	In short turf by meeting of paths at SU2111 0018.
South Oakley Inclosure	SU2205	2010		
South Oakley Inclosure	SU224054	07-Aug-10	HFG	2 plants with both parents, completely sterile and with small flowers.

Peewit Hill, West End	SU4811	2000		
Peewit Hill, West End	SU480115	28-May-00	PAB	
Flagpond Copse	SU5509	1988		
Flagpond Copse	SU550097	01-Oct-88	ARLo	Monitoring Scheme Record.
Havant Thicket	SU7110	2009		
Havant Thicket	SU7110	16-Jul-09	DRA, EJC, JAN & MR	Infertile. <i>P. erecta</i> x <i>anglica</i> (or <i>P. x mixta</i>).

N Hants: Rare

Native

It has only been recorded once, and that somewhat tentatively, but it is probably overlooked elsewhere as its parents quite often grow in proximity.

Eelmoor	SU8353	2009		
Eelmoor, former radio research station	SU835537	04-Sep-09	CRH	A patch at SU8358 5378 on the verge east of Pyestock Hill. If correctly identified, this is the hybrid between <i>P. erecta</i> and <i>P. anglica</i> . Plant branched and procumbent, not obviously rooting at the nodes, all flowers with four petals, usually three leaflets, a few swollen seeds present.

***Puccinellia fasciculata* (Torr.) E.P. Bicknell**

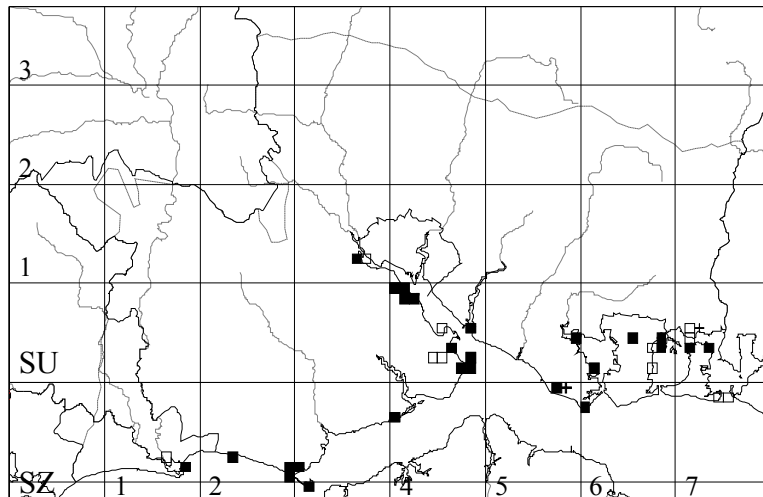
Borrer's Saltmarsh-grass
1837-2010

National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Infrequent

Native

Around the coast often on gravelly mud or compacted ground and not infrequently within the sea wall. Still present in all the areas where recorded for the 1996 *Flora*, and there is no reason to think that it has declined greatly around Portsmouth although there are few recent localised records; this species is overlooked by many recorders.



N Hants: Not Recorded

***Puccinellia rupestris* (With.) Fernald & Weath.**

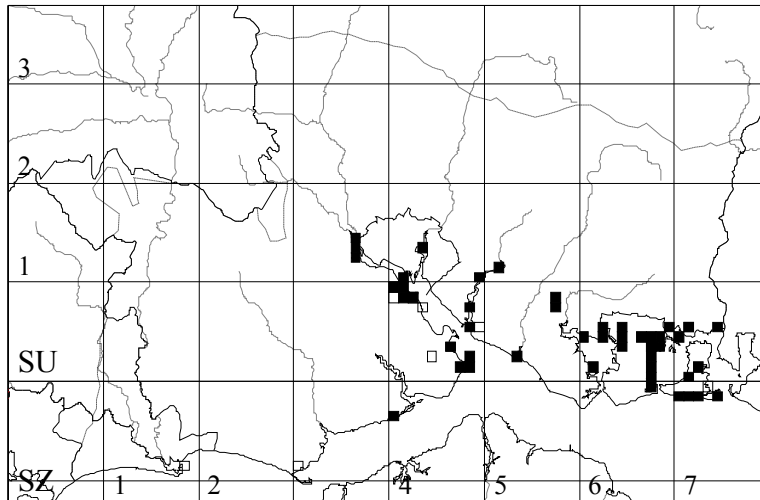
Stiff Saltmarsh-grass
1806-2010

National Status: Scarce, Native

S Hants: Not Ranked

Native

On compacted bare mud and damp brackish hollows on both sides of the sea-wall and on the sea-wall itself. Rare and apparently declined west of Southampton Water, but it should be searched for around Lymington / Keyhaven and Christchurch Harbour.

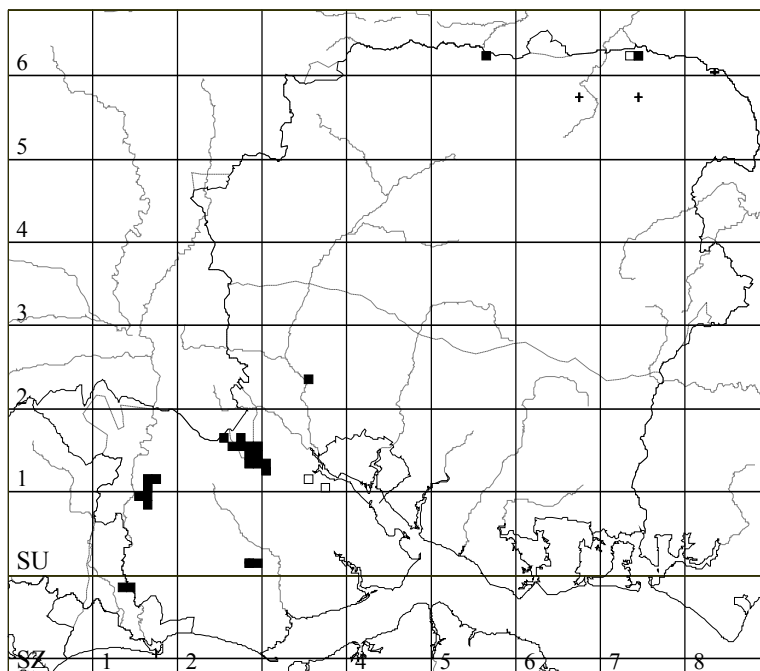


N Hants: Not Recorded

***Pulicaria vulgaris* Gaertn.**

Small Fleabane
1835-2009

National Status: Critically Endangered, Rare, Native
NERC S41
UK BAP Priority Species
WCA Schedule 8



S Hants: Infrequent

Native

Formerly recorded from Hengistbury (SZ19L), near Romsey (SU32K), and Chark Common (SU50R). Now known only from Pithouse Farm, Hurn and from sites around the New Forest (including the marginal National Trust commons), where it is dependent on disturbance and /or heavy poaching to provide the conditions for germination. Consequently it shows huge fluctuations in numbers at any one site over a course of years, depending on the conditions at the time. An estimated half a million plants appeared at Penn Common (SU21T / SU21Y) in recent years following heavy poaching after winter stock feeding on the common. On the other hand, it appears to have been lost from the well-known site at South Weirs (SU20V) very recently, now that the adjoining cottages are no longer inhabited by stock-keeping commoners and the sward has closed. Two new sites, one with a population in four figures, were recorded in 2009, and high numbers were recorded off the open Forest on several commoners' grazing land, so its future looks reasonably assured for the time being.

N Hants: Rare or Extinct

Native

It is apparently now extinct from VC12, though positive management at its last site at Springwater Farm / Hall Farm might revive it from the seed bank. There are unlocalised old records for 'near Andover', 'Silchester Common', and 'near Farnborough'. No doubt it once thrived when horses and cattle were very plentiful on common lands, creating the trampled conditions it demands. There was also a site near Riseley Mill where it was introduced "Some moved [from Springwater Farm] across river, in a field near road, a little way in from river", and where it was reported by EAB as "still doing well, 1968".

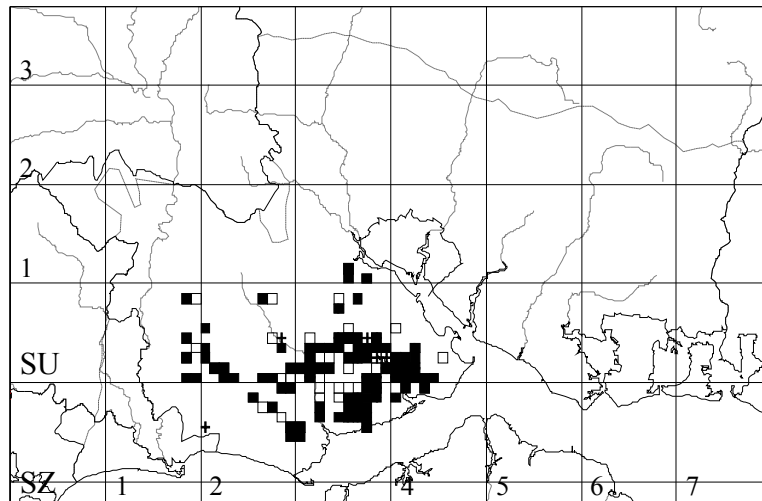
Ashford Hill Meadows	SU5662	1988		
Ashford Hill Meadows	SU563622	1988	PB	9 plants on bare mud at the grazed margin of a stream. Grid Ref originally noted as SU564619 but later amended to SU563622. [Not refound by HFG in Sep 1990, or by ARGM during an intensive search on 26 Aug 2005].
Sherfield Green	SU6757	1864		
Riseley Mill area	SU7362	1968		
Stoken Green	SU7457	1906		
Bramshill	SU7462	1960-2003		
Springwater Farm, Bramshill	SU744620	16-Sep-03	JMil	250+ plants at north end of ditch at SU7442 6209. 2 plants at southern end. Field grazed by horses at this point.
Springwater Fm, Bramshill	SU744621	12-Sep-00	ARGM & CRH	c.180 plants, 60 of them flowering, now confined to 5m x 1m area of ditch at SU7444 6210, along N edge of field. In former years the Pulicaria was also distributed in hollows in the field itself and extended just into the adjacent field. Due to a lack of grazing the vegetation is now too long for it and there are no suitable areas of poached bare ground. The ditch where it survives had recently dried up, giving suitable bare soil habitat, with much Myosotis laxa. [Not refound by ARGM on 26 Aug 2005 as the field is not grazed and the ditch is completely overgrown].
Springwater Farm, Bramshill	SU745620	31-Oct-96	FR & AJPB	Good population.
Bramshill	SU745621	04-Sep-83	ARGM	
Darby Green	SU8360	1872		

Pulmonaria longifolia* (Bastard) Boreau*Narrow-leaved Lungwort
1620-2010****National Status: Scarce, Native****S Hants: Not Ranked**

Native

Although it is still widespread on the central and southern Forest and occurs in large numbers at some sites, the decline in some central parts of its range appears to be real, particularly on some of the more exposed heathland sites and in the forestry inclosures. The presence of solid black dots on the map in some cases obscures a huge decline in numbers. Factors appear to include shading, inappropriate ride

management, discontinuation of railway bank management, and grazing. It often does best on verges, hedgebanks, small woods, churchyards and rough meadows on the enclosed southern fringes of the Forest.



N Hants: Not Recorded

***Pulsatilla vulgaris* Mill. Pasqueflower
1983-2010**

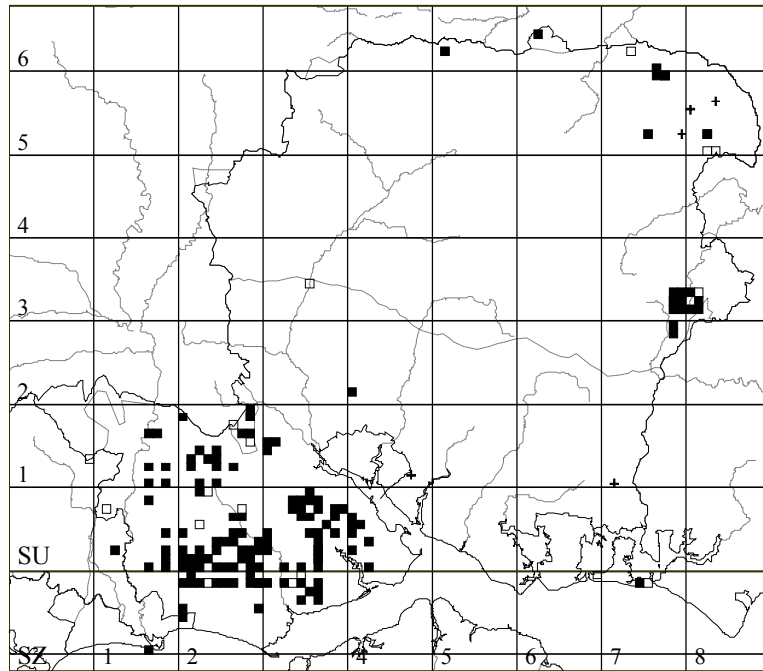
National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Rare Doubtfully Native
 Known only from the one site where its status has been contested. The fact that there is a scattering of plants across old earthworks in entirely suitable habitat suggests that it is native here. On the other hand, at one of the spots where it has been seen in more recent years it was unknown to the former warden (PET) when he was conducting an orchid census here over many years, suggesting that it is being given at least a 'helping hand'.

Martin Down	SU0418, SU0518	1983-2010		
Martin Down NNR	SU048189	09-Apr-07	DHa, JFH, RMW & JCre	Two plants at SU04858 18927, two at SU04863 18906.
Martin Down	SU048189	29-Apr-10	MFa	On tumuli/rabbit warrens behind short electric fence: 2 plants, 1 with 4 stems (3 chewed off, 1 in flower), 1 with 4 stems (2 in flower, 2 emergent). SU 0486 1890.
Blagdon Gap, Martin Down (Hants)	SU050186	22-Apr-92	RPB, JO & PET	On the VC8 side of Bokerley Ditch at c.050186 in 1990... this plant, plus a young one 4cm from it seen by RPB & JO with PET on 22.4.92. (From notes on back of 1983 SU050186 record card.)
Bokerley Ditch, Martin Down	SU051184	30-May-09	MR & HFG	2 plants at SU0513 1843.
Martin Down	SU052183	22-Apr-08	NM	Two flowering stems (one plant?) at top of embankment by ditch, grid ref approximate [perhaps the same as previous].
Martin Down	SU053181	29-Apr-10	MFa	On bank overlooking Bokerley Ditch: 1 plant, 2 flowering stems. SU 0534 1815.

N Hants: Not Recorded

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

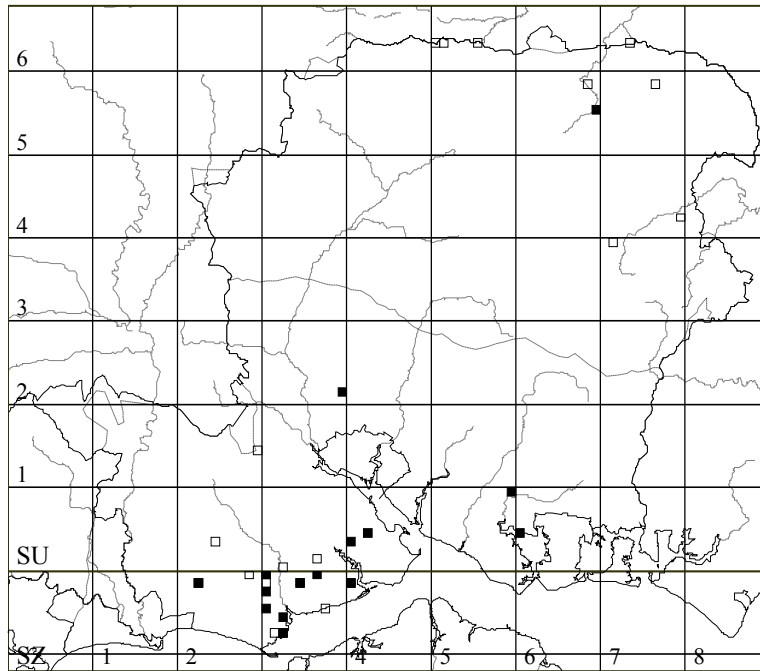
It remains widespread, frequent and sometimes abundant on the New Forest where it favours open, winter-wet, sandy or gravelly situations. Away from the Forest it is known recently from Hengistbury Head (SZ1690), the Hurn area (SZ191), as a casual at Pound Lane, Ampfield (SU4021) and at Sandy Point, Hayling (SZ7498), with a scattering of older records elsewhere.

N Hants: Infrequent

Native

At the edges of moist heathland tracks, or in very short vegetation on bare sandy/gravelly heathland that is seasonally flooded.

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Infrequent in slow-moving or still water in the southern parts of the New Forest and adjacent coastal regions. Much rarer there than *R. peltatus* for which it has sometimes been mistaken. Other recent records are from Emer Bog (SU3921), Boarhunt (SU5909) and Portchester (SU6004).

N Hants: Rare

Native

In slow-flowing streams and rivers. Many records were made during targeted river macrophyte surveys in 1977 and most were found in non-calcareous areas. It probably persists at many of these sites, and has been overlooked more recently.

Rooksbury Mill	SU3544	2005		
Rooksbury Mill	SU354444	21-Jun-05	JRM	
R. Enborne, Headley	SU5063,	1977		
	SU5163			
R. Enborne, Ashford Hill	SU5563	1977		
Sherfield on Loddon	SU6858	1971		
R. Loddon floodplain	SU6955	2000		
Loddon floodplain, Old Basing	SU694553	11-Jun-00	AJPB	Field dyke, one patch near concrete bridge.
R. Wey, Alton	SU7139	1977		
R. Whitewater, Riseley	SU7363	1977		
R. Hart, Hazeley Heath	SU7658	1977		
Alice Holt	SU7942	1977		
Longmoor	SU8031	1987		
Longmoor Camp Airstrip, W of	SU8031	17-May-87	YE & SP	

National Status: Critically Endangered, Not Scarce, Archaeophyte**NERC S41****UK BAP Priority Species****S Hants: Rare**

Archaeophyte and Introduced

Now reduced to the status of a casual or a deliberate resowing, it has been recorded earlier from the Godshill area (SU11S), Lockerley area (SU22Y), Romsey area (SU32), Bitterne (SU41L) in 1990 as part of a 'cornfield mix' sowing, unverified from Swanwick (SU5109), SE of Winchester (SU52), Fareham area (SU50T) and Hayling (SU70F). We have assumed that a record from Crow's Nest Bottom, Bramshaw (on heathland, SU2415) in 1970 from the Francis Rose notebooks is a transcription error.

Hursley	SU4325	1975		
Alverstoke 54 Anglesey Road, Alverstoke	SZ6098 SZ602989	1998 02-Jun-98	DRA	
Portsdown Portsdown Cmpt 1	SU6206 SU628067	2004 12-Jun-04	JGood	12 plants.
Buriton	SU7320	1960		

N Hants: Scarce

Archaeophyte

Formerly widespread and plentiful as an arable weed of light soils, but now very much decreased through the use of herbicides and seed-cleaning techniques. Even when it does reappear following disturbance of surviving seeds, the records show that it seems unable to persist for more than a year or two. It reappeared in very large numbers when the B3006 road was widened in 1969, but again it failed to persist in the absence of repeated disturbance. As it has not persisted at any of the sites given, a more realistic assessment of its current status would be 'Rare' or even 'probably Extinct'

Moody's Down Farm Moody's Down Farm	SU4238 SU429389	1999 1999	VS	In a chicken run.
Fair Oak, nr. Ashford Hill Fair Oak, nr Ashford Hill	SU5561 SU554610	1987 1987	PB	In field of cultivated Chamomile, 200+ plants.
Woodmancott, nr.	SU5640	1978		
Tadley Tadley	SU6060 SU602607	1991 1991	RWa	Garden, taken in from field. Appeared some time ago, and carefully nursed.
Popley near Marnel Dell, Popley	SU6354 SU633544	1991 11-Aug-91	BRB	Corner of arable field, near to the former Marnel Dell. A number of other attractive weed species here.
Chawton Park Wood, nr.	SU6635	1981		
Whitedown Lane, Alton	SU7038	1964		
Rooks Farm, Rotherwick Rooks Farm, Rotherwick	SU7056 SU708565	1991 1991	AJPB	One plant.
Noar Hill, cornfield	SU7432	1963		
Selborne, B3006 road	SU7432, SU7531	1969		
Empshott	SU7532	1986		
Long Sutton	SU7446	1934		

Long Sutton	SU7546	1950		
Liss, north	SU7828	1975		
Malthouse Farm, Kingsley	SU7938	1963		
Farnborough Princes Mead, Farnborough	SU8655 SU867553	1990 15-Jun-90	CRH	Hb.AB specimen Bi 2003.24.1241. A single plant was found on disturbed soil during re-development of the area. As it clearly could not survive there, a specimen was sent to AB and a few seeds were retained and sown in CRH's garden, where it persisted for a couple more years.

Ranunculus circinatus Sibth. Fan-leaved Water-crowfoot 1850-2004

National Status: Not Scarce, Native

S Hants: Rare

Native and Introduced

Noted in the 19th century in the valleys of the Stour, Avon, Lymington River, Test and Itchen but only three probably native sites have been recorded since 1950, and none of those recently. It also appears as an introduction, often into angling waters.

R Avon, N of Knap Mill	SZ1594	1976		
Fishlake Meadows, Romsey	SU3522	1975		
Fort Brockhurst	SU5901, SU5902	2003-2004		
Fort Brockhurst W	SU594020	31-Aug-03	PSe, EJC, et al.	Moat.
Fort Brockhurst SE	SU596018	18-Jul-03	JAN & DRA	
Fort Brockhurst SE	SU596019	28-Jul-04	DRA	c.SU59682 01958.
Fort Brockhurst E	SU597021	21-Aug-04	JAN & DRA	Presumed to be fruiting here, seen in fr. nearby.
Sinah Lagoon, Hayling	SZ6999, SZ7099	1975-2003		
Sinah Common	SZ694993	01-Jun-78	FR	HBIC record.
Sinah Common, Hayling Island	SZ699993	16-Sep-03	ILR	In the lake, Hb.ARGM.
Sinah Common, Hayling Island	SZ702992	1976	LNHL	Gravel pit lagoon on golf course. conf. AB. Source : Hb AB.

N Hants: Scarce

Native and Introduced

In ponds or slow-flowing rivers. Townsend (1883) lists several records in River Test, Anton and Itchen but there are no recent records for any of these. It was lost from Fleet Pond when the formerly clear water turned opaque and is likely to have suffered the same fate in the Basingstoke Canal. As there are records for four post-1986 sites it is classed here as Scarce, but as it could not be refound during a canal survey in 2009 it is now certainly rare. It is possible that some records are introductions.

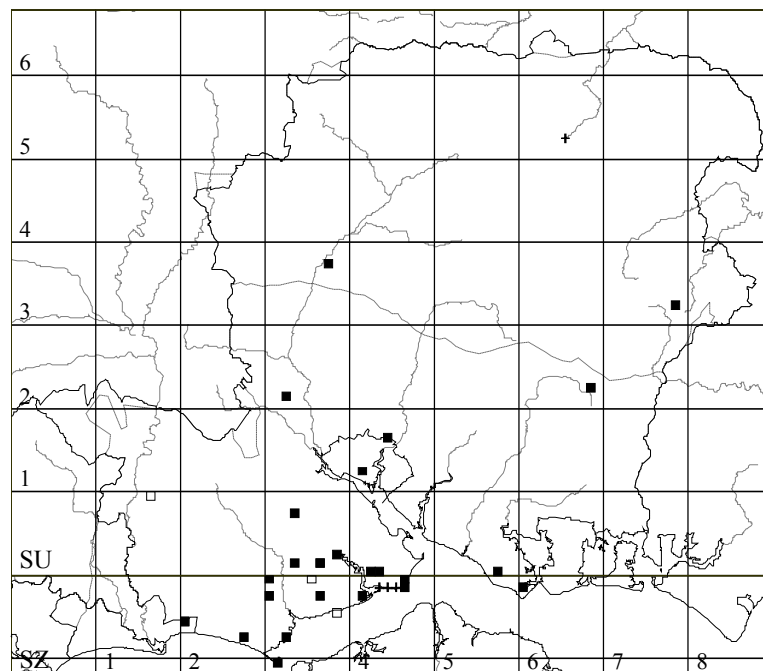
Dogmersfield Lake	SU7551	1987		
Dogmersfield Lake	SU758519	26-Aug-87	CRH	Plentiful on north-west shore.
Basingstoke Canal, Crookham	SU7951	1978		
Fleet Pond	SU8254	1976		
Basingstoke Canal, Fleet	SU8253	1984-1992		
Pondtail Flash	SU823536	21-Aug-92	CRH	One plant brought in on grapnel.
Basingstoke Canal, Pondtail	SU823537	1990	ARGM	

Basingstoke Canal, near Aldershot	SU8552	1990-1997		
Claycart Flash	SU851526	02-Sep-97	CRH	Still locally plentiful.
Rushmoor Flash	SU855523	23-Aug-92	CRH	Very localised.
Spring Lakes	SU8851	1992		
Spring Lakes	SU884517	10-Jul-92	CRH	Locally plentiful in west bay.
Ramilles Park	SU8852	1992		
Ramilles Park Lake (west)	SU885529	23-Jul-92	CRH	A few plants at south end.

Ranunculus parviflorus L.

Small-flowered Buttercup 1805-2010

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Rather open short vegetation usually on sandy or gravelly ground in the southern parts of the New Forest and near the coast. It has been introduced with turf into gardens at Highcliffe (SZ2094). Otherwise recorded recently along a trench at a landfill site in Romsey Extra (SU3221), by the railway at Fremantle (SU4112), in Wide Lane, Eastleigh (SU4416), and at Vineyard Hole, East Meon (SU6822).

N Hants: Rare

Native

In very short vegetation on chalky or sandy soils.

Leckford	SU3737	1999-2002		
Leckford Field Centre	SU374376	2002	BGo	Among paving stones and in lawn at entrance to Field Centre, SU3745 3765. Still present 2002.
Basingstoke Common	SU6552	1943		
Woolmer Forest	SU7832	1993-2010		
Woolmer Forest	SU787326	May-00	JDe	Again present in the same area where I first found it in mid 90's just outside the Range. 7 different plants flowering.
Woolmer Forest	SU788327	18-Jun-10	ARGM	Two plants beside main track at SU7882 3274, shown to ARGM by John Buckley, who found it here on 13 Jun 2010.

***Ranunculus penicillatus* (Dumort.) Bab. subsp. *pseudofluitans* (Syme) S.D.
 Webster var. *vertumnus* C.D.K. Cook Stream Water-crowfoot
1839-2009**

National Status: Not Scarce, Native

S Hants: Rare

Native

Stace (2010) has now sunk this variety in the subspecies, which is a widespread and often abundant plant of the chalk streams and scattered elsewhere. A declining but probably overlooked plant of clear, usually slow-moving streams, often in upper reaches or below springs. There are also old confirmed records from the Stockbridge area (SU33M), the Bishopstoke area (SU41U) (the first record, specimen in BM), Winchester (SU42Z) (specimen in OXF), and Rudley Mill (SU61G); and unconfirmed records from the Lockerley area (SU22Y) and NE Romsey (SU32L) in 1998.

Sherfield English Sherfield English S	SU2920 SU298209	1999 26-Sep-99	RMV	E/W Wellow nr Grass oak Fm. Middle of Sherfield English Stream.
Bishops Waltham Moors	SU5616	1986		
Cheriton R Itchen, New Cheriton	SU5827 SU588278	1986- ?1989 16-May-86	RPB	Det. SDW, 1986. Hb RPB specimen No. 86/136/1. Upper chalk stream ¼ (quarter) mile from source, S. side road bridge. 'Yes, this is good var <i>vertumnus</i> on this specimen it is possible to see that the leaves would have been rigid and globose when fresh.'
Cheriton	SU5827	1989	RMV	As <i>R. penicillatus</i> (Dumort.) Bab. var <i>vertumnus</i> C.D.K. Cook. 588279 V.C.11 [GR is vc12, perhaps 277? intended – DRA] det Webster
Bedhampton Bedhampton	SU7006 SU706062	1989-1991 1991	RPB	As <i>R. penicillatus</i> (Dumort.) Bab. var <i>vertumnus</i> C.D.K. Cook. [Location not named on record]
Sheet	SU7624	1978		

N Hants : Scarce

Native

Like most of the Basingstoke Canal's aquatic plants, it has declined and is probably extinct there now except at Greywell between the Greywell Tunnel and the boat barrier, where the flow of spring water from a chalk aquifer and the absence of boat traffic has maintained a clear-water system.

Wallop Brook Over Wallop	SU2938 SU291382	1988 18-Jul-88	RMV	Hb.RPB Specimen 978, very clear stream near spring source, det. SDW 2/4/1989.
Hurstbourne Priors	SU4446	1978		
Candover Stream Candover Stream	SU5634 SU5634	1991 1991	AB	
R. Alre, Alresford Alresford, R. Alre Old Alresford	SU5732, SU5833 SU5732 SU585332	1988-1991 1991 09-Sep-88	AB ARGM	Hb.AB Specimen Bi2003.24.54, in fast flowing chalk stream.
R. Itchen, New Cheriton R Itchen, New Cheriton	SU5827, SU5828 SU588278	1986-1989 1986	RPB	Head-waters of R. Itchen, New Cheriton, at road bridge and upstream (VC11), also below bridge, downstream in VC12.
New Cheriton	SU588280	1989	RMV	Specimen det. SDW.
R. Alre tributary R. Alresford tributary Bishops Sutton, River Arle	SU5932 SU599325 SU599325	1988-1991 09-Sep-88 07-Jul-91	ARGM AB	Tributary between Alresford and Bishop's Sutton. Hb.AB Specimen Bi2003.24.42

R. Whitewater, Greywell	SU7251	1982		
Basingstoke Canal, Greywell to Odiham	SU7251, SU7351, SU7352	1935-2009		
Basingstoke Canal, Greywell	SU720514	10-Jun-07	ARGM & HFG	A few plants at SU7207 5144.
Basingstoke Canal, Greywell	SU722515	28-Sep-09	CRH	'The best location in 2009 was SU7224 5152, where locally plentiful. Occasional elsewhere near Greywell, but rare east of Odiham Castle. On this date I recorded 20 grapnel samples between Greywell Tunnel and the boat barrier and var. vertumnus was present in 25%, usually one to several stems.'
Basingstoke Canal, Warnborough Green	SU726518	28-Sep-09	CRH	Rare at SU7263 5187, growing close to the bank, behind a hazel 'fence' installed to protect the bank from boat wash.
Basingstoke Canal, Warnborough Green	SU727517	28-Sep-09	CRH	Rare at SU7275 5177.
Basingstoke Canal, North Warnborough	SU728517	1960	AWW	
Basingstoke Canal, North Warnborough	SU7351	1990	CRH	Swing Bridge to Swan Bridge, frequent, estimated 50-250 plants.
Basingstoke Canal, North Warnborough	SU7352	1990	CRH	Swan Bridge to Lodge Bridge, scarce, estimated 10-50 plants.
Basingstoke Canal, Odiham to Broak Oak	SU7451, SU7551, SU7552	1930-1986		
R. Rother, Liss	SU7726	1978		
R. Wey, Headley Park	SU8138	1977		
R. Wey, Passfield	SU8234	1979-1985		
Basingstoke Canal, Fleet	SU8253	1957-1975		
R. Wey, Wishanger	SU8238	2003		
Wishanger	SU823387	06-Jul-03	ARGM	At SU8236 3875 about 200m downstream of bridge.

Ranunculus trichophyllus Chaix

Thread-leaved Water-crowfoot **1847-2009**

National Status: Not Scarce, Native

S Hants: Scarce

Native

A plant of quiet, mineral-rich waters but otherwise catholic in its habitat preferences. Also formerly recorded from the Lyndhurst area (SU20Z), the Bull Hill area (SZ39P), the Hill Head area in the mid 19th century and in 1953, Fareham (SU50T) from 1847 to 1935, Hilsea (SU60), near Boarhunt Mill (SU60E), the Farlington area (SU60X), a pond near East Meon (SU62), Bedhampton (SU70D), and the Havant / Waterlooville area (SU70J). A record from Beacon Hill, Warnford (SU6022) from Francis Rose's notebooks has been discounted as a transcription error as there has never been a water body there.

Breamore Marsh	SU1518	1954-1990		
Breamore N Side	SU155181	1990	RPB	
Breamore Marsh, Breamore	SU155182	1969	FR	Rec'r FR ? NW pond.
Clay Hill Bottom	SU2302	2000		
Clay Hill Bottom, E. side	SU233023	04-Aug-00	FR, KS	
Bartley	SU3012	1997		
Bartley	SU306127	07-Sep-97	CC	
Busketts Lawn	SU3111	1990		
Busketts Lawn	SU3111	1990	RPB	Det SDW. Small clay pit pond.

Hildon	SU3131	1972		
Timsbury	SU3623	1977		
Lower Upham	SU5319	1975		
Farlington Marshes Langstone Harbour	SU6804 SU6804	1951-1997 1997	GFa	Various pools throughout much of reserve, often associated with <i>R baudotii</i> .
Sinah Common, Hayling	SZ6999, SZ7098	1976		

N Hants : Scarce

Native

In dew ponds and farm ponds on both calcareous and acidic substrates.

Thruxton Hill	SU2443	1969		
Mullen's Pond, Thruxton Mullen's Pond	SU2945 SU296458	2006 14-Jun-06	ILR	HBIC record.
Highclere, Duns Mere	SU4560	1976		
Ladle Hill	SU4756, SU4856	1906-2008		
Ladle Hill	SU479567	06-Jul-08	ARGM, WGH et al	In dew pond at SU4797 5674.
Ladle Hill, east of	SU486568	06-Jul-08	ARGM, WGH et al	In dew pond at SU4869 5681.
E of Ladle Hill	SU487568	10-Jun-02	WGH	Much more plentiful here than at other dew pond at SU4797 5675.
Popley, Basingstoke Popley, Basingstoke	SU6354 SU638545	2009 30-Jul-09	ARGM	Abundant at SU6385 5454 on dried-up bed of pond.
Basingstoke Canal, Up Nately near Up Nately	SU6952 SU6952	1996 05-Jun-96	CRH	Basingstoke Canal, Up Nately, in redredged section, locally abundant. Flowers and fruits checked.
Wellington Country Park	SU7263	1985		
Poland Farm, Odiham	SU7452	1934		
Broad Oak Pond, Odiham	SU7552	1966-1976		

Ranunculus tripartitus DC.**Three-lobed Crowfoot****1844-?1985****National Status: Endangered, Scarce, Native
UK BAP Priority Species****S Hants: Rare or Extinct**

Native

R. tripartitus clearly occurred in the New Forest area as it is one of the parents of the widespread hybrid *R. x novae-forestae*. However it is open to discussion whether it survived into recent decades, or whether all material is now introgressed. The discussion of forms in Townsend (1883), although mostly centred on the occurrence of capillary leaves (which can occur in the species), suggests that the hybrid formed part of the 19th century gatherings. Old records refer to Christchurch (SZ19), various locations in SZ29 including Wootton Bridge (SZ29P), Warwick Slade area (SU20T), Butts Lawn (SU20W), Fletchers Green (SU20W or SU20X), Lyndhurst (SU20Z or SU30E), Setley (SZ39E), Brockenhurst area (SU30B), and Denny Bog / Matley Passage (SU30I); also near Dibden (SU30 or SU40).

The following three sites, although they pre-date our cut-off for modern records, have been included with details since they are the most recent which expert opinion considered to be the species or close to it. The issue is only likely to be resolved by molecular studies.

Howen Bottom Lower Howen Bottom	SU2315 SU231151	1977 19-May-77	RPB	'He [NTHH] says all my specimens... are <i>R. tripartitus</i> type, as far as he can see.'
Markway Bridge Markway E along Ober Water	SU2503 SU2503	1969 1969	RPB	[Nominal date] Markway Bridge, n.d. Doubtful in the pure plant survives in Hants, but Prof. Cook considers [that the population at] Markway Bridge 2563 (Hb.RPB), may be.
Balmer Lawn Balmer Lawn, Brockenhurst	SU3003 SU306035	1867-1977 14-May-77	RPB	'He [NTHH] says all my specimens of what I assumed were <i>R. omiophyllus</i> x <i>tripartitus</i> are <i>R. tripartitus</i> type, as far as he can see.'

N Hants: Not Recorded**Ranunculus x hiltonii H. & J. Groves Hybrid Round-leaved x Pond Water-crowfoot****1982-2007****National Status: Unlisted, Rare, Endemic****S Hants: Rare or Extinct**

Native

There is also a specimen in Hb RPB (HCMS) from Ashurst (SU3308) which was tentatively identified as this, but was excluded from the 1996 *Flora*.

Holmsley Passage Holmsley Passage	SU2201 SU222015	1982-2007 19-May-86	RPB	Material apparently agreeing with <i>R. x hiltonii</i> (as determined by SDW), in the stream immediately upstream of the bridge.
Holmsley Passage	SU222016	17-May-07	RVHL et al.	
Holmsley Bog	SU223015	1982	SDW	Holmsley Bog. B.S.B.I. Exhibition Meeting, 1983. Leaves like <i>R. omiophyllus</i> , but also has divided leaves. Resembles one found at Copthorne Common [E. Sussex] by T. Hilton 1896 and named by H. & J. Groves as <i>R. hiltonii</i> – this persisted till 1926 but is now lost.

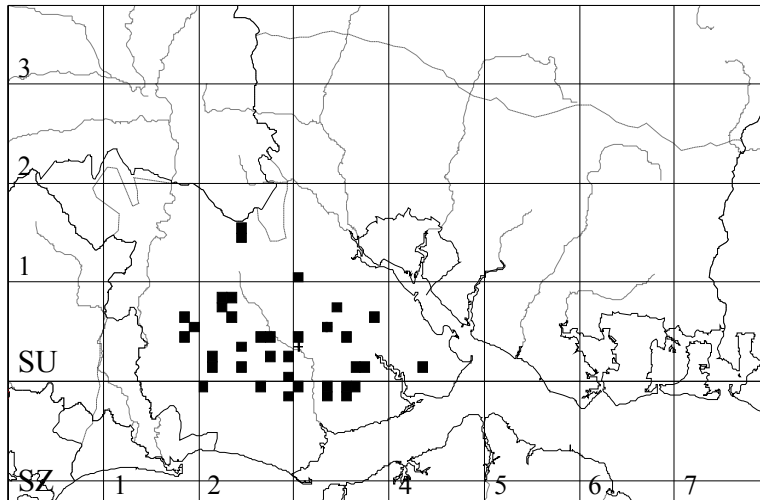
N Hants: Not Recorded

National Status: Unlisted, Rare, Endemic

S Hants: Not Ranked

Native

In small streams and pools, drains, flushes, flood-hollows, usually over clay and often where poached. In the New Forest it is widespread where the conditions are not strongly acid; recorded elsewhere in Britain in Cornwall and Glamorgan, but not as yet in western France where the parents also grow together.



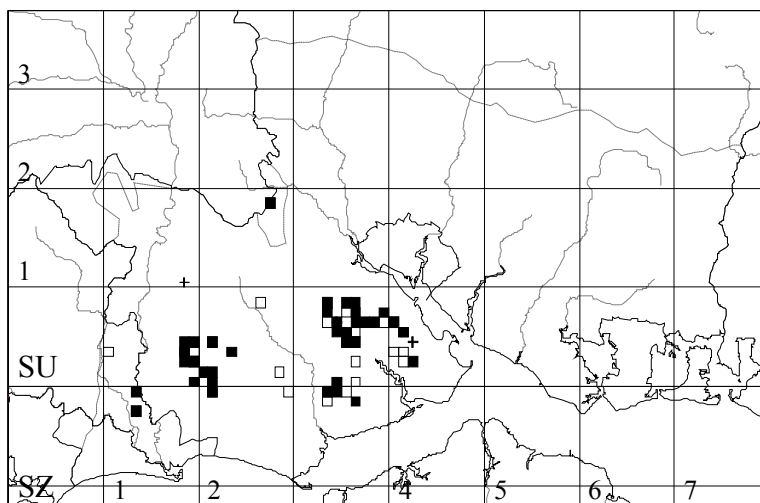
N Hants: Not Recorded

National Status: Scarce, Native

S Hants: Not Ranked

Native

Somewhat localised in the Forest, where it favours open peaty ground at the margins of the valley mires, with an outlier at Plaitford Common (SU2718). It is capable of reappearing in huge numbers where mires are restored following disafforestation. Off the Forest it still occurs at Sopley Common (SZ1397), where noted by Townsend in 1879, and at Week Common (SZ1399). A reference in Townsend to "bogs on Ashey heath, in plenty" for the Avon catchment may refer to Ashley Heath (SU10), which is now completely afforested.



N Hants: Not Recorded

Rorippa x erythrocaulis Borbás**Thames Yellow-cress**
1976-1998**National Status: Vulnerable, Rare, Native****S Hants: Rare**

Native

A single record.

Roydon Woods	SZ3298	1998		
Roydon Woods HWT reserve: Rodlease Field	SZ320986	14-Aug-98	PAB	

N Hants: Rare

Native

This hybrid between *R. palustris* and *R. amphibia* has only been found at Yateley gravel pits.

Yateley	SU8261	1976-1987		
Yateley	SU825615	30-May-87	ARGM	Specimen Bi2003.24.204 in Hb.AB, det. TCGR (ARGM's original record card says 'wasteland beside gravel pit, Yateley SU825615, specimen kept.')
Yateley area	SU8261	25-Aug-76	AB	Flooded gravel-pits at Yateley. Specimen Bi2003.24.209 in Hb.AB, det. BEJ 1980.

Rosa agrestis Savi**Small-leaved Sweetbriar**
1891-2010**National Status: Near Threatened, Scarce, Native****S Hants: Infrequent**

Native

Noted as "very rare" in the 1996 *Flora*, with just two sites in South Hampshire, it is now known in several more, usually in very small quantity, largely through the efforts of Paul Stanley. Records are concentrated in the area between Martin, Whitsbury and Breamore, with a scattering of bushes in the New Forest.

There are records (largely within the same areas) for the following directional hybrids: *R. agrestis* x *micrantha*, *R. agrestis* x *stylosa*, *R. stylosa* x *agrestis*; and for the non-directional hybrid names *R. x belnensis* (*R. canina* x *agrestis*), *R. x bishopii* (*R. micrantha* x *agrestis*).

Because of the small numbers of individual plants involved and their vulnerability in many sites, we have decided to give complete listings for modern records despite the 'Infrequent' status.

Knap Barrow	SU0819	1995		
Knap Barrow	SU088198	08-Oct-95	PS	Det RPB Hb RPB.
Toyd Down	SU0820	1995-1996		
Toyd Down, Martin	SU085200	1996	PS	Det RPB Hb RPB. Broad margin of chalk drove road, in hedge.
Toyd Farm	SU0820	1996		
Toyd Farm	SU089207	1996	PS	Det ALP.
Knoll Farm, Damerham	SU1018	1995		
NE of Knoll Fm, Damerham	SU102182	14-Oct-95	PS	Det RPB Hb RPB.
Whitsbury Down	SU1121	1995-1996		
Whitsbury Down	SU118212	22-Jul-96	RPB	Along drove road. 4 plants. [Back of 1995 record for PDS] Refound, RPB 22.7.1996. [Original grid ref. (118213) queried, addition to infer that 118212 may be correct.]
Whitsbury Down	SU118213	1995	PS	Det ALP.
Scotland Cottage, Whitsbury	SU1220	1995		
E of Scotland Cottage	SU121206	Sep-95	PS	'NE of Scotland Farm, Whitsbury. Roadside hedge. Expert : RPB 20.11.1995. 1 plant'.
Wick Down	SU1221	1995		
Wick Down	SU127216	1995	PS	Det ALP.

Breamore Down	SU1320, SU1321, SU1420	1891-1991		
Breamore Down	SU138209	07-Jul-91	RPB	3 bushes in scrub on N fringe of open chalk grassland area 138209 – 138210. Expert: ALP 28.9.1991. Source: Hb. RPB. Hb. ALP.
Charford Drovers, Breamore	SU138210	07-Jul-91	RPB	3 bushes in scrub on N fringe of open chalk grassland area 138209 – 138210. Expert: ALP 28.9.1991. Source: Hb. RPB. Hb. ALP.
Breamore Down, South Charford Drove	SU139207	07-Jul-91	RPB	10 bushes at 140205 – 139207. Expert: ALP 28.9.1991. Source: Hb. RPB. Hb. ALP.
Breamore Down, South Charford Drove	SU140205	07-Jul-91	RPB	13 scattered bushes along edge of scrub bordering W side of grass footpath 25m N of junction with bridleway 140205. Expert: ALP 28.9.1991. Source: Hb. RPB. Hb. ALP.
Gallows Hill	SU1321	1994-1995		
Gallows Hill, N of Breamore Down	SU134212	1994	PS	134212 or 136213 ? Scrub on chalk grassland. One shrub. conf. RPB. Second VC record.
Gallows Hill	SU135213	1995	PS	Det ALP.
Breamore Mizmaze	SU1420	2001		
MizMaze Hill	SU142202	23-Sep-01	ARGM	Photographed at SU1426 2028.
Godshill	SU1815	1997		
B3078 Godshill Ridge	SU186156	1997	PS	Det ALP.
Deadman Hill	SU1916	2010		
Deadman Hill, Godshill	SU199164	01-Sep-10	MR et al.	Conf. PS. SU1993 1649.
Acres Down	SU2708	2000		
Acres Down, New Forest	SU272088	21-Jun-00	VS	
Hawkhill	SU3401	1997		
S of Hawkhill Inclosure B3055	SU3401	1997	PS	
Beaulieu Aerodrome	SU3501	1997		
Beaulieu Airfield	SU350016	1997	PS	One small bush.
Marlpit Oak	SZ2899	1996-1998		
Nr Marlpit Oak, Sway	SZ281997	20-Sep-98	VS	Roadside HFG Rose Meeting.
Nr Marlpit Oak, Sway	SZ283997	1996	PS	S roadside. 1 bush. Expert : ALP. Spec. in Hb. ALP.
Nr Marlpit Oak, Sway	SZ283997	15-Jun-97	RPB	'N and S roadside.

N Hants: Rare

Native

Amongst scrub on chalk downland. In addition to these records, the rare hybrid *R. agrestis* x *R. canina* is extant at Noar Hill and at Porton Down.

Porton Down	SU2437, SU2537	2004-2010		
Isle of Wight Hill, Porton Down	SU248374	11-Sep-05	PS & HFG	One at SU2485 3740, but about a dozen seen on same day widely scattered at Isle of Wight Hill.
Isle of Wight Hill, Porton Ranges	SU249375	11-Sep-05	PS & HFG	One at SU2494 3753, no hips but clearly <i>R. agrestis</i> , at scrub edge on SW side of metalled track, but others seen on same day widely scattered at Isle of Wight Hill.
Porton Down	SU249376	20-Nov-10	ARGM	One bush at SU2496 3769, specimen in Hb.ARGM det. Roger Maskew.
Porton Down	SU249377	20-Nov-10	ARGM	Five bushes at SU2495 3773, specimen in Hb.ARGM det. Roger Maskew.
Porton Down	SU250373	11-Sep-05	PS & HFG	Specimen from SU2508 3735. (4 example map refs given this day but about a dozen bushes of this seen over a wide area of scrubby woodland at Isle of Wight Hill).
Porton Down	SU251373	29-May-04	PS & HFG	c.SU 2510 3735 at base of large Scot's Pine (32 cm diam.) One bud, pedicel glandless. Many red-tipped glands leaflets small, cuneate, well spaced.
Isle of Wight Hill, Porton Ranges	SU251375	11-Sep-05	PS & HFG	Two bushes close together at SU2519 3750 (4 example map references given, but about a dozen bushes of this seen scattered over a wide area of scrubby woodland) at Isle of Wight Hill).

Micheldever Station SU5042, SU5043 1978-1979

Noar Hill SU7431 1978-1994
 Noar Hill, Selborne SU740319 1985 SP

On 2 Jul 2007 SP showed ARGM the approximate locations of the three bushes he formerly knew at Noar Hill. Two were within this 100m square beside the central path known as the Switchback at c.SU7403 3193 and c.SU7405 3190, but SP thought that both had died by around 1990. There is a specimen in Hb.AB, det. RM dating from its first discovery here by AB in 1978 (but the locality is only given as Noar Hill SU7431). ARGM searched unsuccessfully for it on 12 Sep 2007.

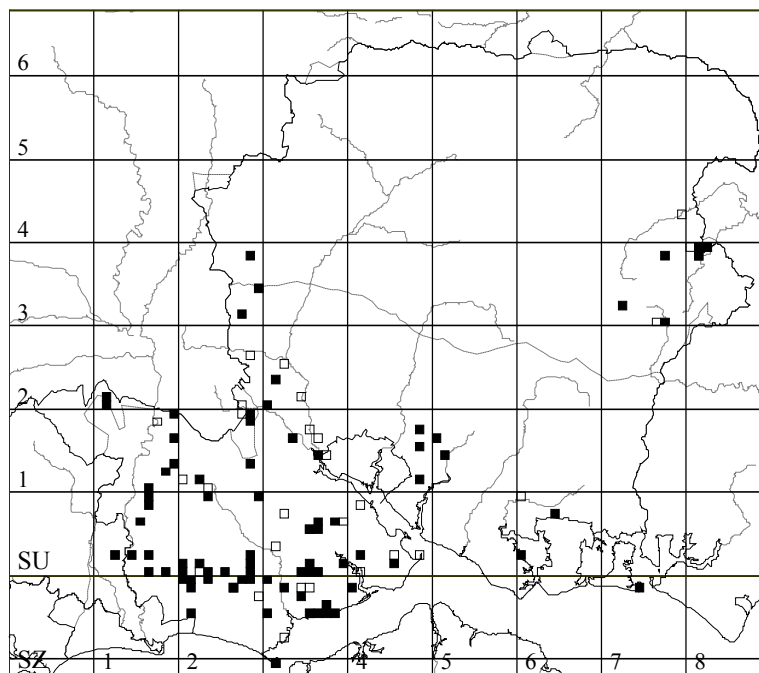
Selborne S of, Noar Hill SU742318 Sep-94 SP

On 2 Jul 2007 SP showed ARGM the approximate locations of the three bushes he formerly knew at Noar Hill. It persisted at least until 1994 at one locality at c.SU7425 3188 on Top Bank, and was noted in SP's 1994 report on Noar Hill. ARGM searched unsuccessfully for it on 12 Sep 2007.

Rosa obtusifolia Desv.

Round-leaved Dog-rose ?1919-2010

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

More or less confined to the Tertiaries where it is frequent on the southern and coastal margins of the New Forest, and scattered elsewhere. Hybrids are recorded with *R. canina*, *R. micrantha* and *R. stylosa*.

N Hants: Scarce

Native

There are also recent records for *R. obtusifolia* x *R. canina* at Noar Hill and Catham Copse near Bentley.

Over Wallop SU2838 1988
 Over Wallop SU287385 1988 RMV On hedge.

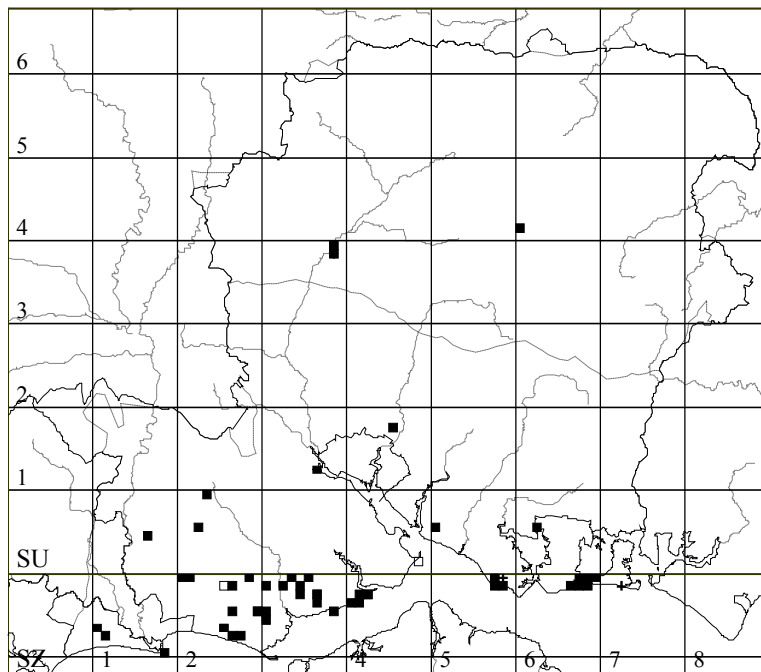
Newton Valence SU7232 1994
 Hullam Lane, Newton SU7232 25-Nov-94 FR
 Valence

Greatham	SU7630, SU7730	1978-1996		
Church Lane, Greatham	SU767309	1978	AB	Several bushes in scrubby field.
Greatham (SW)	SU7730	1996	AB	Church Lane, Greatham, in hedge.
Marelands, Bentley	SU7943	1962-1975		
Frithend, Grooms Farm	SU8039, SU8138, SU8139	1976-1988		
Grooms Farm, Frithend	SU808391	1976	AB	Hedge, between two fields.
Frithend, Grooms Farm	SU8138	1988	ANHS	
Frith End, Groom's Farm	SU8139	15-Jun-88	GM	Hb.AB Specimen Bi2003.24.328.
Wishanger	SU8239	2004		
Wishanger – Surrey but VC12	SU826397	18-Sep-04	ARGM	At start of footpath, SU8261 3976, Hb.ARGM, det. RMas 27 Oct 2004.

Rosa pimpinellifolia L.

**Burnet Rose
1843-2010**

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

A plant of heathland, scrub and consolidated shingle largely confined to the New Forest and coast.

N Hants: Rare

Native and Introduced

Although the record at Preston Candover is included for interest, it is neither native nor true *R. pimpinellifolia*.

West Down Chilbolton	SU3838, SU3839	1998-2001		
West Down Chilbolton	SU3838	02-Aug-98	VS & PJSe	
West Down, Chilbolton	SU389392	22-Aug-01	JKi	
Preston Candover				
Preston Candover	SU603413	27-Aug-99	ARGM & DBr	Det. ALP as probably a hybrid garden cultivar of <i>R. pimpinellifolia</i> . 6 ft high suckering extensively along a mixed hedge so presumably originally planted.

National Status: Not Scarce, Native

S Hants: Scarce

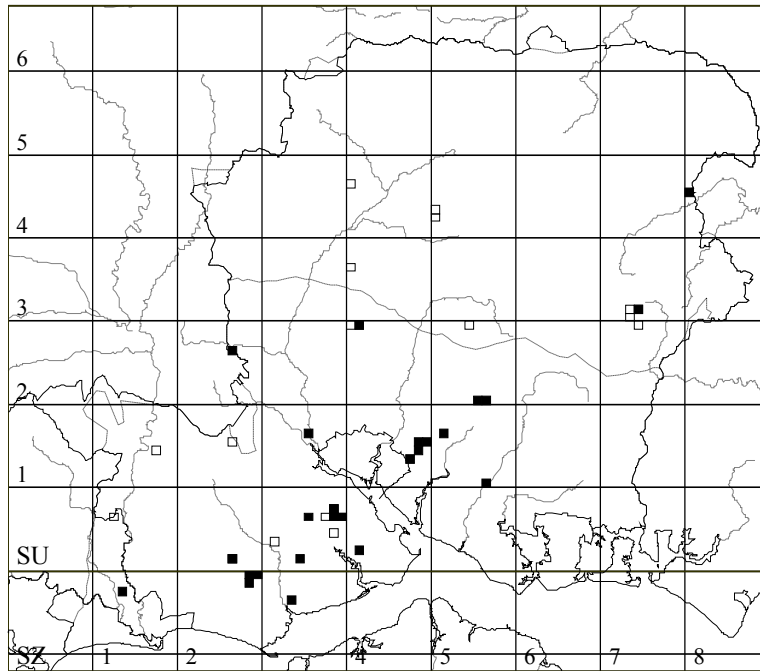
Native

This predominantly northern and western species has an outpost in the New Forest, although this is more through its loss from a wide scattering of former sites in lowland England than from any other cause. Like several other interesting Rose species in the Forest, it has suffered recently from heavy and indiscriminate verge management.

Burley Beacon Burley Beacon	SU2002 SU2002	1990 1990	RPB	Watsonia 18 :426.
Goatspen Plain Station Road, Holmsley Goatspen Plain, Burley / Holmsley	SU2201, SU2301 SU227017 SU229013	1990-2010 27-Jun-02 15-Oct-03	VS MR	SU2277 0177. As follows. (W side of road) SU2296 0137: 1 small non-fruiting bush with small lvs, v glandular undersides and margins. SU2299 0133: 1 fruiting bush. SU2300 0132: 1 fruiting bush. (E side of road) SU2299 0137: 1 fruiting bush. SU2298 0137: 1 fruiting bush, 1 fruiting bush with all characters of R. sherardii but mostly straight, slender stem prickles like R. mollis. Large bushes at SU2298 0138 and SU2299 0137 + small bush at SU2298 0137.
Goatspen Plain	SU229013	15-Jun-10	PM	SU2305 0126. Small bush at SU2300 0136.
Station Road Holmsley Goatspen Plain	SU230012 SU230013	27-Jun-02 15-Jun-10	VS PM	
Homy Ridge The Homy Ridge	SU2316 SU239160	1997 1997	PS	Det ALP.
Boundway Hill Boundway Hill, Sway Boundway Hill, Sway	SZ2698 SZ261987 SZ262987	1997-1998 20-Sep-98 22-Jun-97	VS PAB	Forest edge HFG Rose Meeting.
Durns Town Durns Town towards Setley Sway Allotments	SZ2898 SZ286986 SZ287985	1993-2002 03-Jul-96 24-Jun-02	VS BGo & JGo	Allotment Hedge Sway det RPB in 1993. 2 in hedge.
Marlpit Oak SE of Claypits Crossroads	SZ2899 SZ286995	2007 13-Jun-07	VS & AIH	2 patches 10m apart, SZ2864 9956.
Boldre Rodlease Lane, Boldre	SZ3298 SZ320986	1999 20-Aug-99	PAB	

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Scattered over the southern Forest, generally rarely recorded elsewhere but with an interesting cluster of records around West End that mark the former residency of Paul Stanley. This suggests that away from the Forest it may not be as rare, or as tied to the Chalk, as the 1996 Flora suggests. Like *R. sherardii* and other species, it has suffered from unsympathetic verge management on the Forest, for instance near Dibden Bottom (SU30Y). Hybrids with *R. canina* and *R. micrantha* have been rarely recorded.

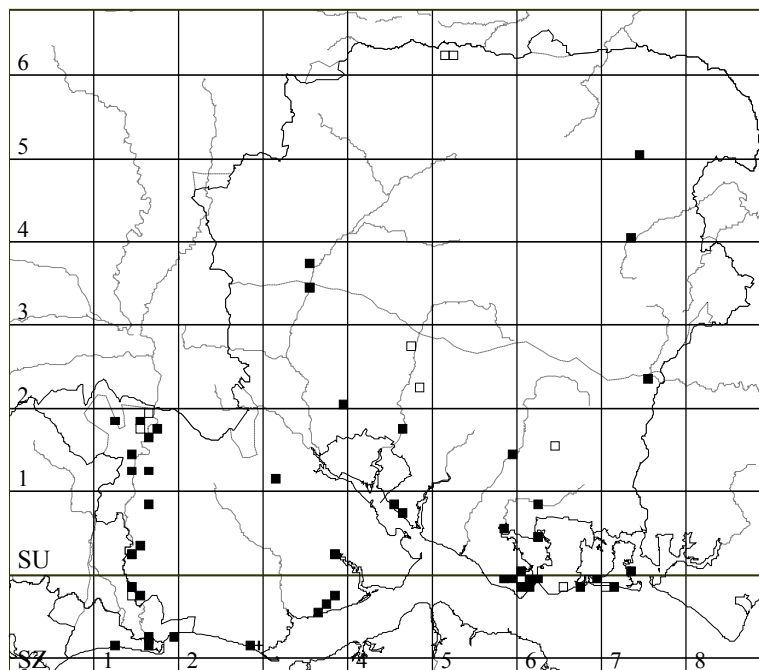
N Hants: Rare

Native

Roses tend to be under-recorded so this species may not be as rare as indicated. Records in the 1960's for *R. tomentosa* forma *foetida* at Noar Hill, Chilbolton Down and Button's Brow, Goleigh were considered by RM to almost certainly be *R. tomentosa* x *R. micrantha*, and have been omitted from the listing below. In addition there are recent expertly determined records for *R. tomentosa* x *R. canina* from Vernham Dean and the Herriard Estate.

Chilbolton Down	SU4036	1968		
Harewood Peak	SU4046	1978		
Warren Farm, Micheldever Station	SU5042, SU5043	1978-1979		
Matterley Farm, Ovington Down	SU5429	1979		
Noar Hill	SU7331, SU7431	1978-1994		
Noar Hill	SU7331	08-Jul-78	AB	Hb.AB Specimen Bi2003.24.305, middle path.
Noar Hill HWT reserve	SU741318	1994	SP	Scarce, first record here AB 1978.
Noar Hill	SU7431	08-Jul-78	AB	Hb.AB Specimen Bi2003.24.291, chalk pit number 9. [Unfortunately no map has been traced with the pits numbered – ARGM]
Hawkley, nr. Vann Farm	SU7429	1967		
East Green, Crondall	SU8045	1997		
East Green, Crondall	SU801452	1997	PS	Road S of Cheeks Farm, Crondall, in two places.
nr East Green, Crondall	SU804454	1997	PS	Road S of Cheeks Farm, Crondall, in two places.

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Dry sandy or gravelly grassland along the coast and in the river valleys, particularly the Avon valley. Despite losses from a few sites it continues to be well recorded in recent years.

N Hants: Rare

Native

Its habitat requirements appear undemanding yet even in the few places it has been found, it has been in small numbers.

Stockbridge	SU3534	1984		
Longstock	SU3537	1997		
Longstock	SU359371	25-May-97	ARGM & DBr	Meadow opposite church on roadside.
Headley Gravel Pit	SU5162, SU5262	1962-1981		
Holybourne	SU7340	1997		
Alton NE of, Holybourne	SU733408	21-Sep-97	ARGM	Single plant not in fruit on dry roadside bank.
Odiham Churchyard	SU7450	1993-2007		
Odiham churchyard	SU740509	03-May-07	ARGM	Single plant behind church at SU7406 5092.
Odiham churchyard	SU740509	03-May-07	ARGM	Several plants at SU7402 5097 beside gate at entrance to churchyard.

Ruppia cirrhosa (Petagna) Grande

National Status: Near Threatened, Scarce, Native

S Hants: Scarce

Native

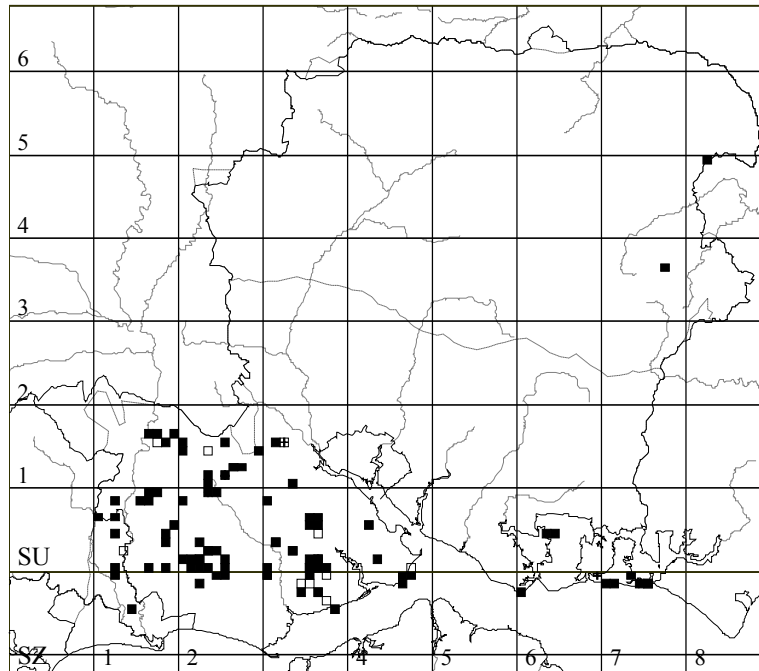
Brackish coastal ditches and pools, in recent times always behind the sea wall although site descriptions in Townsend suggest this was not always so. Most recent records are concentrated in three areas of the coast, pre-eminently between Keyhaven and Lymington where it is given as "all along the coast" by two observers in Townsend. There are older records from Hengistbury and Mudeford (SZ19) and, more

specifically in 1978-1983, SZ19R (probably Stanpit); near Bucklers Hard (probably SZ49E); Hook (SU40X); and Hilsea (SU60R).

Keyhaven Marshes				
	SZ3191, SZ3192	?1870s-2007		
Keyhaven Marsh	SZ314917	09-Jul-98	MEY	Confirmed RPB.
Keyhaven Lagoon	SZ316919	09-Aug-05	MWR	Edge of brackish lake, SZ3162 9197.
Efford	SZ317921	05-Sep-97	MEY	Keyhaven Marshes.
Keyhaven Marshes	SZ3191	01-Jul-07	DWo & MWo	
Pennington Marshes				
	SZ3292, SZ3293	?1870s-2007		
Pennington Marshes	SZ320924	08-Jun-99	BGo	In creek between lagoons at SZ320924 with plentiful flowers and young fruits. Leaf tips rounded, denticulate peduncles up to c 100mm up to 7 carpels. Found with ripe fruits and spiralled peduncles 9/8/01.
Lower Pennington	SZ321921	19-Jul-01	BGo & JGo	Frequent.
Pennington Marshes	SZ322921	26-Oct-96	MEY	Agreed with GDF.
Pennington Marshes	SZ325923	04-Oct-86	RMV	In ditch near sea wall.
Pennington Marshes	SZ326926	1976	RPB	Brackish pool behind sea-wall, Pennington Marshes. conf. FR.
Pennington Marsh, The Salterns	SZ327936	13-Sep-07	NAS	Pools with <i>Ruppia spiralis</i> at SZ32742 93694 ±6m.
Normandy				
	SZ3293	1864-2003		
Pennington Marshes	SZ327937	30-Sep-97	MEY	Eight Acre Pond, Lymington.
Eight Acres Pond, Normandy	SZ327938	02-Jul-83	RPB	Brackish pond behind sea wall.
Normandy, The Salterns Lake	SZ328939	07-Jul-03	BGo	With flowers and mature fruits, examined microscopically.
West Cliff, Hythe				
	SU4108	1986		
Gomer				
	SZ5899	?1840s-1976		
Gilkicker				
	SZ6097	2002-2007		
Gilkicker Point / Golf course	SZ607976	17-Aug-02	JAN & DRA	At the extreme SW corner of the lagoon, small patch only seen, other larger patches assumed to be other <i>Ruppia</i> sp. (<i>R. cirrhosa</i> , conf. by EJC, specimen, 22-Aug-2002.)
Gilkicker Lagoon / Golf course	SZ607977	14-Oct-07	JAN, DRA et al	SZ6077 9775, wet ditch on W side of road.
Hilsea Lines				
	?SU6504	1957		
Tournerbury, Hayling				
	SZ7399, SU7300	1980		
Eastoke				
	SZ7398	?1994-1999		
Eaststoke	SZ737987	14-Aug-99	EJC & PJSe	

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Disturbed and broken ground on sand or gravel, widespread in the New Forest, also on the Avon Valley river terraces and locally on the coast.

N Hants: Rare

Native

In very short, sparse turf, on sandy/gravelly heathland. There are old unlocalised records for 'Alice Holt', 'near Farnborough', 'near Hawley Pond' and 'Stratfield Saye'. Inconspicuous when not in flower, so it could be hiding elsewhere on the NE heathlands.

Shortheath, Oakhanger SU7736 1993-1998

Shortheath, Oakhanger SU7736 03-Oct-98 FR

Beacon Hill, Ewshot SU8249 2007-2008

Beacon Hill, Ewshot SU821499 28-Jul-08 ARGM Still present at fork in track at SU8214 4997 where originally found by CRH, identity confirmed in-situ by MR et al on 3 Sep 2008.

National Status: Unlisted, Scarce, Native

S Hants: Scarce

Native

One of the rarest and also most elusive of the *Salicornia* species. The orangey-brown or orangey-purple colour said to be characteristic of this species is also shared to a lesser extent by some specimens of *S. dolichostachya* and *S. fragilis*, and careful measurement of the terminal spike width is necessary. The type locality for this species (Northney, SU7204) has been destroyed by marina building, along with habitat for several other of the rarer *Salicornias*. There is doubt about the site of North Common Marsh (SU7201, SU7202) records since this marsh is actually in SU7204, but suitable habitat may have existed (or still exist) in the grid squares given. Also recorded for the Portsmouth / Wymering area (SU60M).

Keyhaven Marshes Keyhaven	SZ3191 SZ314915	1981-2009 12-Sep-09	MR, MWR & GCo	A single well-marked plant with orangey-purple tints, a sterile basal segment swollen near the top, first fertile segment on terminal spike 3mm wide. Several other plants with borderline fertile segment widths (3.5mm).
Keyhaven Marsh	SZ314918	1981	JMG	Keyhaven Marshes, mud pan in non-tidal saltmarsh. c.314918, BM. Det: Géhu.
Needs Ore Point Needs Ore Point	SZ4297 SZ425976	2009 11-Sep-09	MR, BGo & GCo	1 plant with brownish-purple coloration and terminal spike basal floret width of 3.5mm at edge of creek, SZ4259 9761. 1 more dubious plant still green with terminal spike basal floret width of <3mm on middle marsh pan, SZ4259 9764. 3 more such plants in similar situation, SZ4259 9763.
Paulsgrove area	SU6305	1961		
'North Common Marsh', Hayling	SU7201, SU7202	1963		
Northney	SU7204	1957		
Tournerbury, Hayling Tourner Bury Marsh, Hayling Island	SU7300 SU7300	2010 08-Sep-10	JAN, DRA, MR et al.	Scattered flowering plants along the shore.
Gutner, Hayling Gutner Saltmarsh Gutner Peninsula, Hayling Island	SU7301 SU7301 SU735015	1986-1995 06-Sep-95 09-Sep-86	FR FR	Saltmarsh.

N Hants: Not Recorded

***Salicornia europaea* L.**

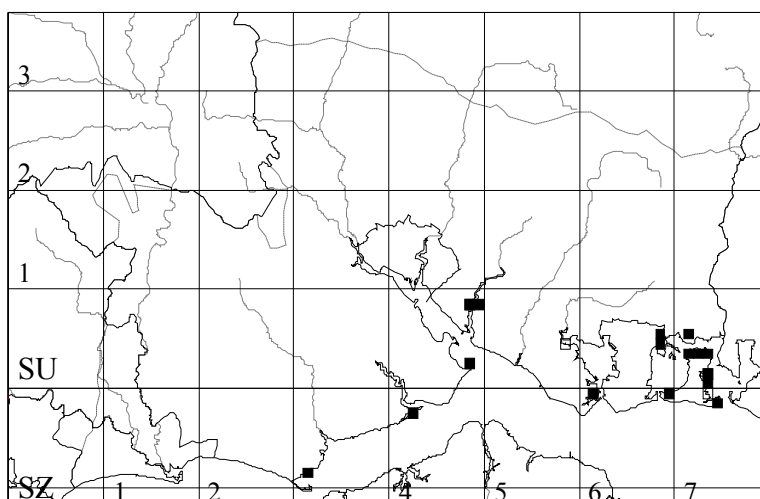
Common Glasswort
1850-2010

National Status: Not Scarce, Native

S Hants: Infrequent

Native

It appears to be a rather rare plant on the Hampshire coast, usually occurring below *S. ramosissima* in the saltmarsh and rarely seen behind the sea wall. Some plants appear to be intermediate to *S. ramosissima* but the extraordinary plasticity of the latter means that critical features need to be examined and measured carefully. The discovery of some new sites during the targeted *Salicornia* search of 2009 suggests that it may be more widely, if still thinly, spread.



N Hants: Not Recorded

***Salicornia fragilis* P.W. Ball & Tutin**

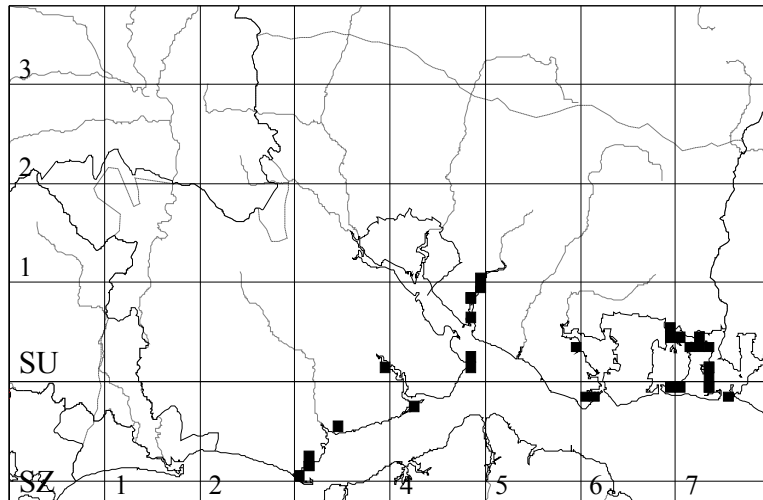
**Yellow Glasswort
1900-2010**

National Status: Scarce, Native

S Hants: Infrequent

Native

Usually scattered as smaller populations amongst *S. dolichostachya* in the lower levels of saltmarshes and along creek sides, tolerating a certain amount of tidal scouring. Many intermediates usually occur. There is no evidence of decline and, with sea level rise, a possibility that these two species are currently favoured over species of the upper and middle levels, as they will be the last to be trapped against the sea wall with no prospect of further spread.



N Hants: Not Recorded

Salicornia obscura P.W. Ball & Tutin**Glaucous Glasswort**
1957-1995**National Status: Unlisted, Rare, Native****S Hants: Rare**

Native

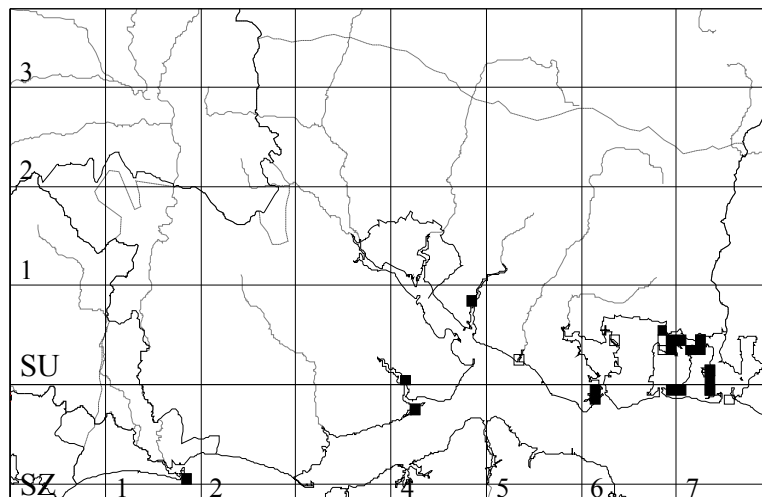
Recorded from only two areas, Keyhaven and Hayling, and not for some years, although some plants approaching this (but with shallowly cuspidate cyme sheaths) were seen during a 2009 survey in a salt pan at Keyhaven, and plants resembling subsp. *rubescens* J-M Géhu, which may be a hybrid with *S. ramosissima*, were found along a borrow-pit margin at Keyhaven during a Hampshire Flora Group meeting in 2010. This is another species for which the type locality was destroyed by the building of the Northney marina. There seems to be little agreement about the typical habitat for this species. While Rose & Akeroyd in Rich & Jermy (1998) give "mud or sandy soil in open communities in lower parts of saltmarshes", the 1996 Flora says "prefers the sloping sides of upper salt-marsh creeks", and Stace (1997, 2010) gives "bare mud in salt pans and beside channels". Certainly several of the Hampshire records (including the type locality) are from pans in the upper marsh, and in one case possibly behind the sea wall. Clearly the salt stress in these different habitats will vary widely.

Keyhaven Marshes	SZ3191	1981		
West Hayling	SU7201, SU7202	1963		
Northney, Hayling	SU7204	1957		
Gutner, Hayling	SU7301	1986-1995		
Gutner Saltmarsh	SU7301	06-Sep-95	FR	
Gutner Peninsula, Hayling Island	SU735015	09-Sep-86	FR	Gutner Peninsula N.R.

N Hants: Not Recorded**Salicornia pusilla** Woods**One-flowered Glasswort**
1850-2010**National Status: Scarce, Native****S Hants: Infrequent**

Native

Widely scattered on firm substrates in the uppermost saltmarsh, with a concentration around the south-eastern harbours. With sea-level rise it may increasingly find itself caught against hard sea defences with nowhere to go; certainly some of the best populations remaining are at Needs Ore (SZ4297), where there is still a well-developed marsh profile up to the shingle bank, and Gutner (SU7301), where a well-developed upper marsh also remains. On the other hand, it is capable of surviving behind the sea wall. Recorded from Stanpit Marsh and Milford (presumably at the back of Hurst Spit) in 1903.



N Hants: Not Recorded***Salicornia pusilla x ramosissima*****Hybrid One-flowered x Purple Glasswort
1984-2010****National Status: Unlisted, Rare, Native****S Hants: Scarce**

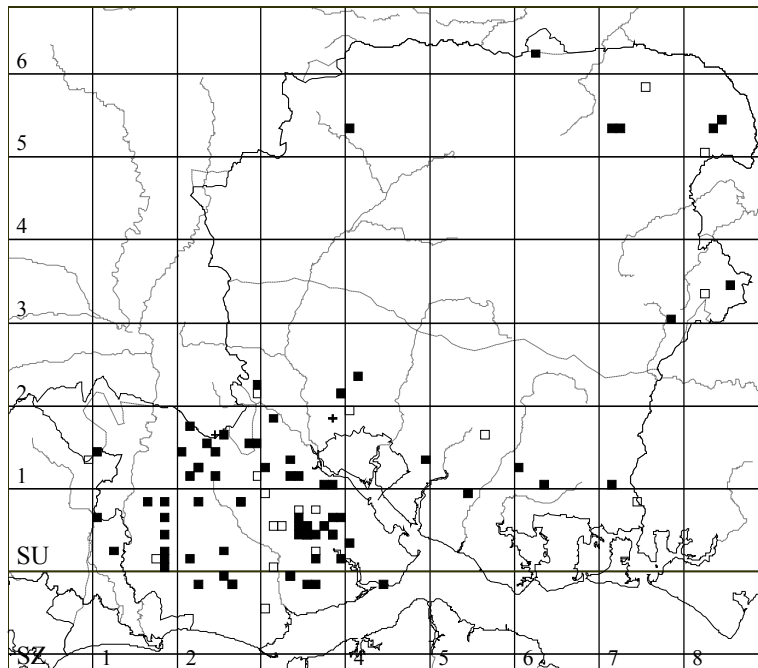
Native

Scattered and usually in small numbers where the parents meet, either in the upper saltmarsh or behind the sea wall. Also recorded on Hayling in SU70F.

Needs Ore	SZ4297	1984-2009		
Needs Ore Point	SZ421973	14-Sep-84	RPB	Upper shore zone on gravelly mud.
Needs Ore E of cottage	SZ424975	11-Sep-09	MR, BGo & GCo	One plant with one well-developed extra floret and a number of less well-developed on seaward side of spit at SZ4246 9752.
Stoke Lake, Gosport	SZ6199	2002		
Gosport Park E / Stoke Lake E	SZ612990	27-Sep-02	JAN & DRA	SZ61292 99089 (GPS) Scattered and locally frequent, in flower (fruit?).
North Common, Hayling	SU7204	2009		
North Common Saltmarsh	SU722041	09-Sep-09	MR, AHP & GCo	Single plant with two 2-flowered cymes, habit more of <i>S. pusilla</i> but reddening distinctly.
Northney, Hayling Island	SU7204	1984		
Tourner Bury, Hayling	SZ7399	1984-2010		
Tourner Bury Marsh	SU736003	08-Sep-10	MR, DRA, JAN et al.	Shore / intertidal zone.
Gutner, Hayling	SU7301	1995-2010		
Gutner Saltmarsh	SU7301	05-Oct-01	FR	Single plant with both single and triple flowers. Small plant similar to <i>S. pusilla</i> , but with some red marking around flowers.
Gutner LNR saltmarsh	SU735018	08-Sep-10	MR, DRA, JAN et al.	Rare.
Black Point, Hayling Island	SZ7598	1984		

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Widespread on the New Forest in mires and mirey stream sides; apparently pure plants are relatively infrequent, through hybridisation with *S. cinerea* (*S. x multinervis*). Sparsely scattered elsewhere in damp acid sites on the Tertiaries and superficial deposits.

N Hants: Scarce

Native and Introduced

As the 1996 *Flora* points out, *S. aurita* tends to merge into its hybrid with *S. cinerea*, *S. x multinervis*. There are post-1986 records for this hybrid at Bartley Heath, Hook Common, Eelmoor Marsh, Fleet Pond, Conford Bog and Slab near Bordon.

North of Stoke North of Stoke	SU4053 SU409531	2008 17-Aug-08	PBi	Pond at SU4092 5303 – conspicuous rounded stipules. On clay soil but possibly planted.
Silchester Common Silchester Common	SU6262 SU622621	1995-2009 14-Jun-09	ARGM & WGH	Several bushes in wettest part of bog at SU6229 6217 near stream.
Silchester Common	SU623621	14-Jun-09	ARGM & WGH	Several bushes in bog at SU6230 6219 near board-walk.
Hook Common Hook Common	SU7153, SU7253 SU719533	1994 10-Jul-94	CRH	One shrub at c.SU719533 under the pylon line on west side of Hook Common. It looked like the pure species to me but was never independently verified.
Hook Common	SU722533	4-Sep-94	CRH	Several shrubs on south part of Hook Common, c.SU722533.
Hazeley Heath	SU7558	1975		
Greatham Moor Greatham Moor, Longmoor	SU7830 SU7830	1996-2009 08-Sep-96	FR	In bog.
Greatham Moor, north	SU783307	22-Jul-09	JMil	HBIC record.
Conford	SU8233	1969		
Bourley Bottom	SU8250	1978		

Pyestock, Fleet Fleet	SU8353 SU8353	1988 1988	WMK	Pyestock, in woodland.
Eelmoor Marsh Eelmoor Marsh	SU8353 SU839531	1994-2008 08-Aug-08	CRH	Still at SU8398 5312, one large bush 2.5m high with a 3m spread, some browsing damage.
Farnborough Cody Technology Park, Farnborough	SU8454 SU844541	2007 09-Jul-07	ARGM & FJR	Several bushes, clearly originally planted, because they are in a row beside the bicycle sheds in the QinetiQ car park 8440 5418. Specimen det. RDM 13 Oct 2007.
Downlands Estate Downlands Estate	SU8534 SU853340	1989 14-Nov-89	ILR	HBIC record.

Salsola kali* L. subsp. *kali

Prickly Saltwort 1799-2008

National Status: Vulnerable, Not Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Infrequent

Native

On substrates of sand and fine shingle along the coast. Evidently quite abundant in the 19th century but it appeared to undergo a decline through most of the 20th, not helped by its susceptibility to the trampling it receives in its favoured habitat. However, in common with several other coastal plants of southern distribution, its fortunes seem to have revived in the last couple of decades. Also recorded in the past from Eastney (SZ69U) and from South Hayling (SZ79E). Although it just exceeds the criterion for 'Scarce', we have listed all sites here because of its vulnerability.

Hengistbury Head	SZ1790, SZ1890	1860s- 1995		
New Dunes, Hengistbury Head	SZ178904	31-Jul-93	RPB	Sandy beach and dune. Very local, c.60 plants.
New Dunes, Hengistbury Head	SZ1790	12-Aug-95	RPB	Very local, 34+ plants
Hengistbury Head	SZ181908	31-Jul-93	RPB	[Approx. SZ181908] At base of spit on seaward side. 4 plants, in sand on upper beach 8m S of S[5 ?]6 blue/white mark. [On back of Pol mar. card.]
Hengistbury Head	SZ1890	12-Aug-95	RPB	Sand spit. Very local, occasional
Mudford Spit, Hengistbury	SZ1891	?1860s- 2007		
Hengisbury Head	SZ183912	11-Sep-01	RSC	
Hengistbury Head, N	SZ183915	19-May-07	HFG	e.g. SZ18352 91553, west side near N. tip.
Hengistbury Head	SZ183916	02-Jun-05	AEB	
Hengistbury Head	SZ184915	1967	CEP	Sand spit. Disappeared in 1970s, with Polyg raii.
Hengistbury Head	SZ184916	1980	SRD	1980 ?
Avon Beach, Mudford	SZ1892	?1901- 1997		
Avon Beach, Mudford	SZ189922	28-Jul-97	RPB	c.SZ189922. Sand/shingle beach. Rare, 2 plants.
Steamer Point, Highcliffe	SZ1992	?1901- 2005		
Steamer Point, Highcliffe	SZ198929	23-Jun-05	AEB	Part of colony of 139 plants extending from SZ198928 to SZ200929.
W of Highcliffe Castle	SZ200929	23-Jun-05	AEB	See above.
Highcliffe	SZ201929	30-Jul-97	VMS	R. 1 plant
Highcliffe Castle	SZ2093	?1901- 2007		
Highcliffe Castle	SZ204930	01-Sep-07	MR	
Highcliffe	SZ205930	26-Jul-95	RPB	Sandy beach c.100m W of first groyne. R. 1 plant.

Pitts Deep and Sowley Pitt's Deep Sowley Shore E Sowley Shore	SZ3795, SZ3895 SZ377957 SZ379957 SZ380958	?1860s- 2004 25-Sep-97 24-Aug-04 22-Sep-97	MEY AEB MEY	Rare. Site as 'SW of Colgrims'. R. 1 plant. [Date overwritten ?22. DRA]
Thorns Beach Thorns Beach Thorns Thorns Beach	SZ3996 SZ393961 SZ395962 SZ397962	?1860s- 2004 15-Sep-97 24-Aug-04 24-Aug-04	MEY AEB AEB	Shingle shore. 1 plant.. 2 plants. 2 plants.
Park Shore, Beaulieu Park Shore, Beaulieu Park Shore, Beaulieu Park Shore	SZ4096, SZ4196 SZ405964 SZ406964 SZ410964	1882-2007 25-Jul-94 25-Jul-94 07-Aug-07	RPB RPB BGo	SZ405964, 406964. Sandy beach. Very local, 8 plants See above. Three well-grown plants on sandy beach
Warren Shore, Beaulieu Warren Shore, Beaulieu Warren Shore	SZ4196, SZ4296 SZ417968 SZ421970	1997 24-Aug-97 24-Aug-97	RPB RPB	c.SZ417968. Sandy shingle beach. Rare, 1 plant. c.SZ421970. Sandy shingle beach. Rare, 1 large plant
Stansore, Lepe Stansore Point, Lepe Stansore Point, Lepe	SZ4698 SZ462985 SZ464986	1882-2008 02-Aug-97 12-Aug-08	RPB CC	Sand along longitudinal groyne. One large plant and one small plant immediately under the fence separating the NNR from the County Park about 20 m due west of the three concrete gas pipeline markers.
Sandy Point / Black Point, Hayling Black Point, Hayling Island Sandy Point, Hayling Island Sandy Point, Hayling Island Sandy Point, Eastoke Sandy Point, Eastoke Black Point, Hayling Island	SZ7498, SZ7598 SZ749989 SZ750982 SZ750983 SZ750984 SZ750985 SZ750988	?1860s- 2000 17-Oct-00 27-May-80 22-Jul-97 24-Jul-95 22-Jul-95 17-Oct-00	BGo & JGo AB, FR & EAP RPB RPB RPB BGo & JGo	Some large clumps on damp sand on W side of Spit to Yacht Club. Sand/shingle on edge of hosp. grounds. Very local, small quantity. Sandy Beach Very locally plentiful. Sandy Point. [Assoc. species list for Pol mar.] SZ750983 – 85. Sandy beach. occasional – frequent. Several scattered large plants.

N Hants: Not Recorded

Salvia pratensis L.

Meadow Clary
1936-2008

National Status: Near Threatened, Scarce, Native and Introduced
WCA Schedule 8

S Hants: Rare

Neophyte

Only as an introduction. Recorded in the 19th century (but still as a casual) at Shedfield and Ropley, also in Millbrook (SU31) in 1936.

Ramsdown Ramsdown CP	SZ1297 SZ129971	1991 10-Aug-91	FAW
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Southampton Southampton City	SU4113 SU419131	1990 15-Oct-90	PS	'LSU College, Southampton. Newly re-seeded grass beside building. 1 plant'.
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N Hants: Rare

Probable Neophyte

Probably not native in VC12, though it is well-established at Porton Down close to the site of a house that was demolished in 1920 after the MOD acquired the land. Here it is locally abundant with a few outlier

colonies. In some years (e.g. 2003) it flowers prolifically, but usually most flower spikes are eaten off, presumably by rabbits.

Cholderton Estate Cholderton Estate, Reservoir Field, Thrupton Hill	SU2443 SU244437	2008 30-Jun-08	JRM	Planted.
Porton Down	SU2436, SU2437	1966-2008		
Isle of Wight Hill Porton Down	SU2436 SU244371	1988 2007	RMV PJW	Abundant with <i>Galium pumilum</i> and <i>Euphorbia cyparissias</i> . I have always felt these to be more or less native here in a very similar habitat to their Salisbury Plain sites, and several hundred metres from the old garden. <i>G. pumilum</i> is, after all, an undisputed native here.
Porton Down Isle of Wight Hill	SU245370 SU245371	20-Jul-08 29-May-04	NM BGo & JGo	Plants flowering freely in large patch, SU2455 3710, near site of old cottage. Flora Group Meeting.
Isle of Wight Hill	SU245371	11-Sep-05	HFG	A separate patch at SU2458 3714 well away from the main colony at SU2455 3710.
Porton Down	SU246371	29-May-04	HFG	Single plant at SU2465 3714 separate from main colony.
Porton Down, Isle of Wight Hill	SU246372	1999	DG	There was a garden in Old Lodge Wood, which may be the source of several of the plants.

Salvia verbenaca L.

Wild Clary
1766-2010

National Status: Not Scarce, Native

S Hants: Scarce

Native

It never appears to have been frequent on the chalk in South Hampshire as noted by Townsend for North Hampshire in the 19th century, but it continues to be found in several places around Christchurch where he also recorded it as frequent. Apart from the light soils of the Avon valley terraces it occurs mostly in lime-rich situations near buildings where, as the 1996 *Flora* points out, it may have been introduced with building stone. In these sites it is often long persistent. Also formerly recorded in the Bournemouth area, between Burley and Ringwood (SU10), Hinton (SZ29), Bisterne (?SU10K), Beaulieu churchyard (SU3802), near Exbury, between Kimbridge and Greatbridge (SU32), Winchester / St Cross area (SU42T or SU42U), Hambledon (SU61).

Avon, Sopley B3347 Avon, N of Sopley Nr B3347, Avon	SZ1498 SZ146989 SZ149980	1953-1995 29-Jul-78 05-Jul-95	RPB RPB	Avon B3447 [B3347 – DRA]. Roadbank. 2 plants. W roadside along fence. R. c.4 plants.
Wick Wick, Christchurch	SZ1591 SZ157914	2003 06-Oct-03	BGo & JGo	Clump in grass on E side of Rolls Drive, SZ1578 9145.
Christchurch Castle	SZ1592, SZ1692	1867-2007		
Christchurch Castle Christchurch Castle	SZ159926 SZ160926	17-Jul-93 31-Mar-07	FAW PAB	
Sopley Sopley Churchyard	SZ1596 SZ156967	1958-2000 27-Jul-00	BGo & JGo	20 plants, 2 flowering, 1 fruiting, behind grave of Sir George Willis.
Stanpit Marsh	SZ1792	1952		
Vinney Ridge	SU2605, SU2606	1953		
Timsbury S Timsbury Area	SU34232 SU3422	1997 30-Jun-97	RMV	
Redbridge	SU3614	1949		

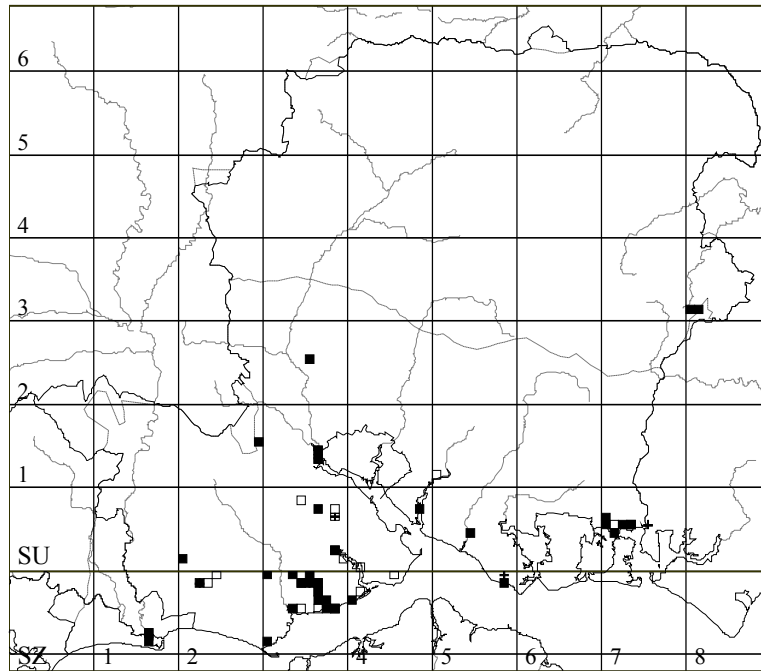
Nelson Lane, Portsmouth	SU6106, SU6107	1985-1986		
Portchester Castle	SU6204	?1850s- 2001		
Portchester Castle Portchester Castle Church	SU624045 SU625045	24-May-84 26-Jul-01	RPB EJC & IT	Churchyard turf in NW area. Very locally plentiful. Many plants in turf in NW corner of churchyard.
Fort Cumberland	SZ6899	1981-2007		
Fort Cumberland	SZ682992	02-Oct-07	JMill	Still plentiful in lawns and along grassed walls within Fort Cumberland, SZ6825 9925.
Emsworth	SU7406	2010		
Christopher Way, Emsworth	SU749069	05-Jul-10	BF	24 plants, Christopher Way wayside in north Emsworth at the junction with New Brighton Road. SU 7492 0691. Conf. MR

N Hants: Scarce

Native

On calcareous grassy banks on road verges and in churchyards. Formerly widespread and common, Townsend (1883).

Longstock	SU3536	1969-1975		
Burghclere	SU4661	2000		
Tot Hill Service Station, Burghclere	SU461612	May-00	PS	One on road verge.
Bere Hill, Whitchurch	SU4648	1966		
Magdalen Hill Down	SU5029	1994-2002		
Magdalen Hill Down	SU502292	03-Jul-94	AJBa & LBa	On the original reserve.
Magdalen Hill Down Magdalen Hill Down	SU505291 SU505294	02-Aug-02 06-Dec-96	PAB CM	
Overton Churchyard	SU5149	2001		
Overton Churchyard	SU514499	15-Jul-01	ARGM	Dozens of plants at SU5149 4997 beside wall at front of church and in adjacent part of churchyard.
Brown Candover	SU5839	1997		
Brown Candover	SU582397	1997	PS & EJC	30 plants on grass bank below church.
Pamber End	SU6058	1977		
Hazeley Heath	SU7657	2003		
Hazeley Heath, Hartley Wintney	SU762577	03-Jul-03	CRH	One large plant at SU7621 5777 shown to CRH by JRCo. Clearly an introduction with the soil used to cap the tip here.

National Status: Not Scarce, Native**S Hants: Infrequent**

Native

Rather localised in damp turf in mineral-rich environments; largely coastal and in brackish hollows, occasionally inland by marl pits or streams. Its status seems little changed since Townsend's day.

N Hants: Rare

Native

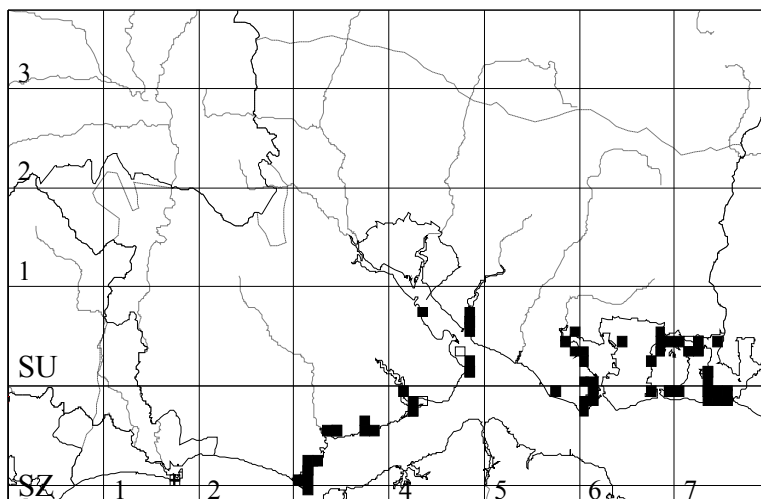
First found by NAS in a marshy area on a gravelly heathland substrate. In some years it has spread to several nearby seasonal puddles but there it has failed to persist during dry summers.

Longmoor	SU8031, SU8131	1994-2007		
MOD Longmoor	SU808313	24-Sep-03	ARGM	Single plant at SU8087 3131 spread from nearby site.
Longmoor Camp	SU809314	19-Jul-07	ARGM & SP	Still plentiful in two places on the disused airfield, one of them at SU8090 3141, where it is a drier place than the other colony, so not flowering.
MOD Longmoor	SU810314	19-Jul-07	ARGM & SP	Still plentiful in two places on the disused airfield, one of them at SU8100 3148, where it is flowering well.

National Status: Scarce, Native**S Hants: Not Ranked**

Native

An almost constant and sometimes abundant constituent of gravelly, compacted saltmarsh from the middle to the uppermost levels.



N Hants: Not Recorded

***Scandix pecten-veneris* L.**

Shepherd's-needle
1776-2009

National Status: Critically Endangered, Not Scarce, Archaeophyte

NERC S41

UK BAP Priority Species

S Hants: Probably Extinct

Archaeophyte

An arable weed once so plentiful that Townsend simply stated "very com[mon]... Recorded for all the districts... [of mainland Hampshire]", by the 1960s there were no more than a handful of recent records. Abroad and in parts of East Anglia it is showing signs of herbicide resistance, so it may make a comeback. In South Hampshire it was not particularly tied to the Chalk.

Nr Barton Common	SZ2493	1979-1981
Ridge	SU3418	1962
Lee	SU3517	1952
Inchmery, Lepe	SZ4398	1972
Chilcomb	SU5028	1971
Denmead	SU6612	1959
Farlington	SU6905	1956
Oxenbourne Down	SU7119	1968

N Hants : Scarce

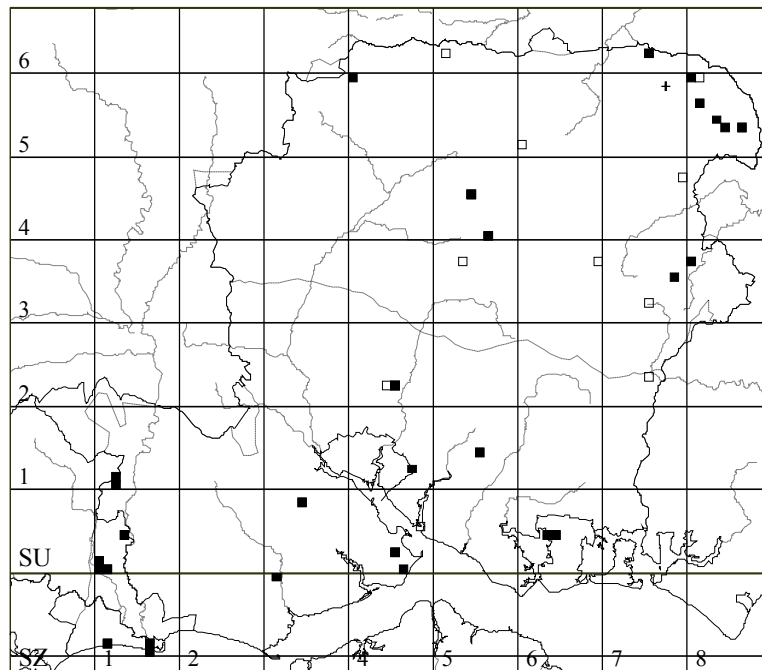
Archaeophyte

An arable weed regarded as very common by Townsend (1883 and 1904) with records in all his mainland defined districts and sub-districts, so he thought it unnecessary to list separate records. Since then it has dramatically declined.

Snoddington Hill	SU2444	1976
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Nether Wallop	SU2935, SU3035	2006-2008		
Nether Wallop	SU294354	24-Jul-07	ARGM	Hb.ARGM, voucher from site found the same day by BGo. 250 plants counted extending about 100m from SU2943 3550 to SU2944 3539 along edge of cornfield.
Nether Wallop	SU299358	24-Oct-08	MR & BGo	Very abundant over a stretch of c. 70m in and around tractor tracks in arable, to W of public footpath, SU2992 3589.
Nether Wallop	SU300357	24-Jul-07	BGo & JGo	Over 150 plants along side of path across rape field, and in crop. Site located by JRM in 2006.
Nether Wallop, Berry Court Farm	SU300358	29-Jul-06	JRM	51 plants on edges of 2m wide footpath across barley field N of farm. Both flowers and seeds present on most plants. Rather late for this species so presumably it was spring-sown barley.
Abbotts Ann	SU3243	1996		
Abbotts Ann	SU329437	1996	JRM	Hb.AB Specimen Bi2003.24.1191, in crack between bricks of our garden.
Southside Farm, Longparish	SU4343, SU4443	1986-2004		
Longparish, Southside Farm	SU437434	2004	PJW	Abundant over about 30m of field edge, surveyed after harvest.
Southside Farm, Longparish	SU440434	1986	GC	Above Belt Field, Southside Farm.
Southside Farm	SU440435	1987	MRe	
Longparish cornfields	SU440436	31-Jul-89	PJW	HBIC record.
Southside Farm	SU441435	2004	PJW	
Roundwood Estate	SU5144	2009		
Roundwood Estate	SU515448	Aug-2009	PJW	A few plants in this field, and the farm manager reports many more in the field to the north-east.
Fair Oak, nr. Ashford Hill	SU5560. SU5561	1987		
Wheat Hold, nr Fair Oak, Ashford Hill	SU554609	1987	PB	Wheathold, arable field.
Fair Oak, nr Ashford Hill	SU554610	1987	PB	In field where Chamomile is cultivated, 8 plants.
Battledown Farm, Oakley	SU5950	1986-2001		
Battledown Farm, Oakley	SU596506	1986	GC	Battledown Field.
Battledown Farm, Oakley	SU599507	Jun-01	SR	At least 20 plants in field of corn.
Preston Candover	SU5941	1962-1968		
Tadley	SU6060	1989-1991		
Tadley	SU602607	1991	RWa	Spontaneous but nursed – in garden taken in from field.
Coneycroft Hanger, N of	SU7233	1964		
Noar Hill, cornfields	SU7431, SU7432	1961-1967		
Crondall, S of	SU7947	2009		
Crondall, S of	SU792475	16-Jul-09	ARGM, & WGH et al	Extra location found by AMe with c.6 plants at SU7920 4756 on west side of footpath.
Crondall, S of	SU795476	16-Jul-09	ARGM & WGH et al	Extra location found with at least 90 plants scattered along field edge SU7958 4765 to SU7954 4764.
Crondall, S of	SU795479	16-Jun-09	ARGM & WGH et al	Following up recent record by PS, counted over 40 plants along edge of Linseed crop between SU7953 4794 and SU7953 4792.
Crondall, S of	SU796476	16-Jul-09	ARGM & WGH et al	Extra location at crop edge found at SU7961 4761.

**National Status: Endangered, Not Scarce, Native
NERC S41
UK BAP Priority Species**



S Hants: Infrequent

Native

Once common as a plant of arable and open ground, it is now almost unknown as an arable weed, with only one such recent record. It occurs in scattered locations in tracksides, disturbed banks and various sorts of waste places, mostly on sand, with a concentration of sites in the Avon Valley.

N Hants: Infrequent

Native

On bare sandy soils in very short turf. Although just coming into the 'Infrequent' category, its decline has been so great that records are included here.

East Woodhay East Woodhay, S of	SU4059 SU402598	2005 04-Aug-05	WGH & ARGM	26 plants along arable field edge beside footpath, SU4021 5989.
Headley Gravel Pit	SU5162	1981		
Micheldever	SU5337	1971		
Steventon Warren Farm Steventon Warren Farm, North Waltham	SU5445 SU543451	1991 1991	PJW	Numerous plants in set-aside arable.
Candover Copse Candover Copse	SU5640 SU565408	1991 1991	JRow	Site as 'Cult. game strip in Candover Copse'.
Basingstoke, Worting Rd.	SU6051	1977		
Chawton Park Farm	SU6937	1976		
Empshott, Hawkley	SU7532	1972		
Bramshill Plantation Bramshill Plantation	SU7562 SU752624	1986-1998 13-Jul-98	CRH	On minor grassy track, where known previously. [Not refound ARGM 28 Jun 2008 – site bulldozed in May 2008 to make major 5m wide forestry track]

Bordon W of, The Slab	SU7835	1998-2001		
Bordon W of, The Slab	SU781358	18-Aug-01	ARGM & SP	At SU7814 3586.
Crondall	SU7947	1962		
Blackbushe Common	SU8059, SU8159	1972-1988		
Blackbushe Common	SU803596	28-Aug-88	CRH	25 plants in NW corner of Blackbushe Airfield, c.SU803596.
Blackbushe Common	SU814595	1972	AB	Newly dug ditch on Blackbushe Common.
Broxhead Common	SU8037	1998		
Broxhead Common	SU806370	03-Jul-98	ARGM & DBr	On cricket green.
Broomhurst Farm, Fleet	SU8156	1978-2010		
Broomhurst Farm, Fleet	SU811563	07-Aug-07	ARGM	15 between SU81095 56308 to SU81122 56315 on steep excavated gravel bank, and at maize crop edge on south side of concrete farm road, opposite a laybye.
Broomhurst Farm, Fleet	SU812563	30-Jun-10	CRH	Six small plants on road verge at SU8126 5637.
Broomhurst Farm, Fleet	SU813563	07-Aug-00	CRH	11 plants.
Bramshot Common	SU8354			
Bramshot Common, Southwood	SU834549	13-Jul-95	CRH	Sandy track, one plant.
Cody Technology Park	SU8453	1997		
Cody Technology Park, Farnborough	SU845539	24-Jun-97	CRH	Recently disturbed soil in landscaped area around new pond, just N of the SSSI beside Guy Track. Ten plants.
Farnborough Airfield	SU8653	1978-1990		
Farnborough Airfield	SU863538	1990	ARGM	
Farnborough Airfield	SU867539	1980	ARGM	

***Sedum forsterianum* Sm.**

Rock Stonecrop 1938-2010

National Status: Scarce, Native and Introduced

S Hants: Scarce

Neophyte

Always as an introduction or escape here; also it has been confused with *S. rupestre* in the past, especially as the names *S. rupestre* and *S. reflexum* have been variously applied.

Alum Chine	SZ0790	2004		
Alum Chine etc	SZ0790	06-Apr-04	RMW & JCre	
Boscombe	SZ1191	2010		
Boscombe Cliffs	SZ111911	27-Jun-10	MR & GCo	Persisting, SZ1110 9117.
Upper Burgate	SU1516	1976		
Pennington	SZ3194	2005		
North Street, Pennington	SZ311949	29-Jun-05	MWR	Small patch at edge of Sportsman's Arms car park. Gone by October 2006.
Beaulieu Abbey	SU3802	1938-2000		
Beaulieu Abbey	SU388026	18-Jul-00	PAB	A little on E side of ruin – not in bloom.
Southampton Old Cemetery	SU4113	2005		
Southampton Cemetery	SU414136	19-Jun-05	JVe	Established in grassland on E side of cemetery.

Bitterne Bitterne Church of England	SU4512 SU451129	2005 09-Sep-05	PAB	
St Mary's Extra, Sholing St Mary's Extra Cemetery, Sholing	SU4510 SU457108	2005 16-Sep-05	PAB	
St Mary's Extra Cemetery	SU458108	16-Sep-05	PAB	
Hilsea Hilsea Lines	SU6604 SU665041	1992 20-Jun-92	DPJS	Wasteground S. of Hilsea lines 20yds W. of railway. At edges of overgrown tarmac road. Abundant in large spreading patches. Expert : RPB 8.7.92.

N Hants: Scarce

Neophyte

Only a garden escape in VC12.

Hogmoor Hogmoor Inclosure, SW part	SU7834 SU785348	2006 10-Jul-06	ARGM	Established on road verge at SU7858 3484, evidently a result of tipped garden rubbish.
Church Crookham Church Crookham Churchyard	SU8051 SU807518	2010 22-May-10	ARGM	On graves, presumably planted.
Yateley Yateley	SU8160 SU817608	2004 31-Jul-04	ARGM	Hb.ARGM, established at SU8176 6081 on graves in churchyard.
Aldershot Aldershot	SU8751 SU875511	1990 1990	CRH	Large patch, naturalised.

***Silene gallica* L.**

Small-flowered Catchfly **1799-2010**

National Status: Endangered, Scarce, Archaeophyte

NERC S41

UK BAP Priority Species

S Hants: Scarce

Archaeophyte

The 1996 *Flora* says "much declined since [the Townsend] *Fl. Hants.*" but Townsend gives it as "very rare" with no South Hampshire records at all. In the years between the two Floras there were certainly more records, but it has now disappeared from arable sites except around Sowley, where it appears sporadically and usually in small numbers. The Bournemouth cliffs remain a stronghold, and it has recently been refound at Gosport where there was a record at the start of the early 20th century (although EJC has questioned whether the modern record is not *S. anglica*). Also formerly recorded elsewhere in the Bournemouth area (SZ09V), elsewhere near Damerham (SU01Y), Pokesdown (?SZ19G), Wick (SZ19K), near Matchams (SU10F), Sandleheath (SU11H), Breamore area (SU11N and SU11P), Frogham area (SU11W), near Hinton Admiral (?SZ29), Milford on Sea area (SZ29V), Dilton (SU30F), Ampfield area (SU42B), and Southwick area (SU60J),

Damerham	SU0913, SU1013, SU1014	1965		
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Honeycombe Chine area, Boscombe	SZ1191	1988-2010		
Boscombe	SZ112912	17-May-04	ARGM & WGH	Several hundred plants at SZ1129 9122 at E end of car park.
FP by The Marina, Boscombe	SZ112912	27-Jun-10	MR & GCo	At SZ1129 9122.
Honeycombe Chine, Southbourne	SZ113912	22-May-05	RMW	At SZ1135 9123.
Footpath next to The Marina	SZ113912	14-May-09	MFa	On short but steep sandy bank, SZ1133 9126.
Boscombe	SZ113912	30-May-10	MFa	130 plants, The Marina, W side path between Marina & new housing., dry embankment. White form, thriving. SZ 1132 9123-4.
Boscombe	SZ113912	04-Jun-10	MBer	White-flowered plants on steep sandy bank by footpath, c. 100 plants flowering and fruiting, SZ11333 91239.
Marina Grove, Boscombe	SZ113913	11-Jun-88	RPB	Top of slope above beach E side of road. R. c.2 plants, white-fl.
Boscombe	SZ117912	28-May-10	MFa	2 in drainage hole, stone wall, Manor Zig-Zag white form. SZ 1179 9126.
Boscombe Overcliff	SZ1291	2004-2010		
Boscombe Overcliff	SZ120913	21-Jul-10	MFa	3, footpath from Chessel Ave to clifftop, between verge & tarmac. Greatly reduced from last year because of mowing. SZ 1204 9135, 1205 9131.
Boscombe Overcliff	SZ122913	21-Jul-10	MFa	22 plants, footpath from between Penrith Rd & Browning Ave to clifftop, between verge & tarmac. Reduced in numbers because of mowing last year. SZ 1222 9133-9135.
Boscombe overcliff etc	SZ1291	Jun-04	RMW	SZ 1216 9126 to 1258 9136 (11 quadrats).
St Ives, Ashley	SU1304	1999		
Ashley St Ives Area	SU132044	18-Jul-99	GDF	St Ives Flyover Several plants on embankment. Found by JO.
Southbourne	SZ1490, SZ1491	1988-2010		
Southbourne	SZ145911	27-May-10	MFa	110 plants, steep, free-draining northern bank of Warren Edge car park & on kerb pink form. SZ 1452-7 9116.
Southbourne Coast Road Car Park	SZ145911	26-May-07	RMW	Steep, free draining bank, SZ1455 9118.
Southbourne, Bournemouth	SZ146911	11-Jun-88	RPB	Bank S. of car park. Rare, 1 plant.
Southbourne	SZ146911	27-May-10	MFa	50 plants, steep, free-draining northern bank of Warren Edge car park & on kerb pink form. SZ 1465-6 9118-9.
Southbourne	SZ147911	27-May-10	MFa	40 plants, steep, free-draining northern bank of Warren Edge car park & on kerb pink form. SZ 1472 9114.
Bransgore	SZ1997	1963-1964		
Lyndhurst, N of	SU2909	1971		
Sandy Down, Boldre	SZ3199	1998		
Sandy Down	SZ313994	23-Jul-98	MEY	
Sandy Down Entrance to Roydon	SZ313995	03-Jul-98	PAB	
Sowley	SZ3696, SZ3796	1978-2000		
Sowley, East End	SZ363968	1979	AEB	Cornfield W. of footpath.
Sowley Brooms	SZ367962	07-Aug-98	MEY	Refound by AEB and seen MEY
Sowley Brooms	SZ367964	19-Aug-00	MEY	BAP 2001/30 Edges of arable field Crops 1998 Wheat, 1999 Potatoes, 2000 Peas.
Sowley Brooms, East End	SZ368964	19-Aug-00	MEY	BAP. 2001/30. GR as SU [is SZ]367964 & 368964. c.19 August, 1998, '99, & 2000. Crop – '00 Peas. 4 plants in fl. 1998. Edges of arable field. Subs/Geol. Plateau gravel. [Sketch indicates S. gallica in field to SE of FP X-junction, c.368964, 50m (apart ?), and at ?c.367962].
Sowley	SZ3796	1998	AEB	Sowley Brooms. Comm. MEY 14.8.1998.
Tanner's Lane	SZ3695	1934		
East End	SZ3797	1982		

Gilkicker	SZ6097	?1904-2009		
Gilkicker Point	SZ608975	28-Jun-07	JAN, DRA & DT	SZ6089 9756. (=S. anglica, L.). Apparently known here for some years. c.10 pink-flowered plants on S-facing bank of 10+m wide shallow depression c.90m W of sluice & c.20-30m S of SE corner of lagoon, ENE of Ft. Gilkicker.
Gilkicker Point	SZ608975	05-Jun-09	DRA, JAN & EJC	Over now.
Southwick	SU6409	1951		

N Hants: Rare

Archaeophyte

Formerly a common arable weed but more recently only surviving on dry sandy roadside banks.

nr. Bramshill	SU7563	1960-1968		
Taplin's Farm, Winchfield	SU7655	1939		
Blackmoor	SU7733, SU7833	1929		
Conde Way, Bordon	SU7934	1999-2010		
Conde Way, Bordon	SU796347	01-Jun-09	WHW & CWa	101 plants counted on the road verge. Following the scrub clearance last winter, they now extend further east.
Conde Way, Bordon	SU796347	18-Jun-10	ARGM	Only five plants found at SU7965 3470, now in green seed.
Broomhurst Farm, Fleet	SU8156	1980		
Longmoor	SU8131	2003		
MOD Longmoor	SU817318	20-Jul-03	ARGM & EJC	12 plants behind metal barrier on SW side of road at A3 junction at SU8172 3188.
Farnborough	SU8653	1981		

Silene italica (L.) Pers.

Italian Catchfly
2004-2010

National Status: Unlisted, Rare, Neophyte

S Hants: Rare

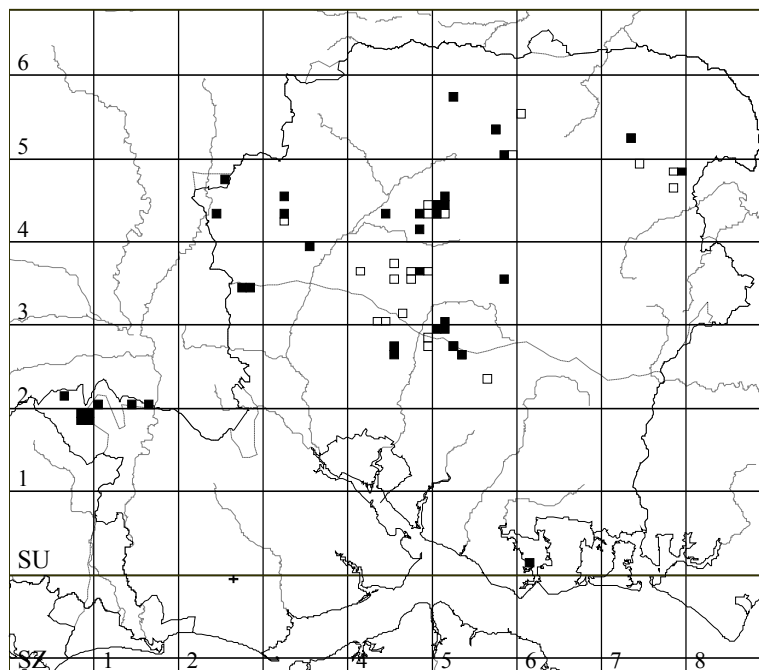
Neophyte

An interesting recent discovery: it appears to be well-established (although vulnerable to 'tidying up' by the local authorities). Otherwise only known from a handful of sites in Britain, and usually casual.

Haslar Lake area, Gosport	SZ6199	2004-2010		
Haslar Lake / Marina area	SZ619995	11-May-05	DRA	SZ61966 99574, c.162.
Haslar Lake / Marina area	SZ619995	22-May-05	BGo, JGo & MR	About 200 flowering stems on E side of small creek by marina car park, over c. 9m at SZ6196 9959.
Haslar Lake / Marina area	SZ619995	31-May-10	DRA, EJC & JAN	NE corner of lake, abundant over an area of 9 x 2m.

N Hants: Not Recorded

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Infrequent

Archaeophyte

Arable plant on the chalk where it can be sporadic and in very small numbers. The 1996 *Flora* was relatively sanguine about the status of this species, but it seems to have undergone a significant decline in the Winchester area, although this is still one of its few headquarters in South Hants and a stewardship scheme yielded a population in the hundreds on Longwood Warren (SU5227) in 2009. Many records in west Hampshire are now also over 20 years old. We have listed modern sites in South Hants, as its rarity status is borderline.

East Martin Talks Fm, East Martin	SU0621 SU068218	2000 15-Jul-00	JO & PJSe	
Knoll Farm, Damerham	SU0818, SU0819, SU0918, SU0919	1987		
Knoll Farm, Damerham	SU089187	04-Aug-87	JO	SU089187 etc. Edge of wheat field. Local, 21-50 plants over c.400m.
Knoll Down, Damerham	SU089191	1987	JO	Wheat field borders, 80 – 100 pl over wide area.
Grimms Ditch, Knoll Down, Damerham	SU090187	05-Aug-87	RPB	SU090187 – 091188. Knoll Farm. Wheat field border. Local, in 3 groups of c.34 plants.
Knoll Farm, Damerham	SU090190	04-Aug-87	JO	SU090190 etc. Wheat and edges of pea field. Local, scattered. sparsely. c.20 plants.
Grims Ditch, Knoll Down, Damerham	SU091188	05-Aug-87	RPB	SU090187 – 091188. Knoll Farm. Wheat field border. Local in 3 groups of c.34 plants.
Knoll Farm, Damerham	SU095182	28-Jul-87	JO	SU095182 etc. Barley field headland. Local, 50 plants over 700m.
Duck's Nest, Rockbourne	SU1020	1987-1988		
Duck's Nest	SU103203	04-Aug-88	JO	Broad bare edge of cornfield. Locally plentiful, 100+ plants over 200m.
Rockbourne	SU104203	1987	JO	
Down Farm, Breamore	SU1420	2001		
Down Farm, Breamore	SU140204	23-Sep-01	ARGM	Photographed at SU1408 2041.

North Charford Down Farm	SU1620	1991			
North Charford Down Fm	SU160204	1991	CS	E edge of arable field.	
Nether Wallop	SU2734, SU2834	2004			
Nether Wallop	SU279346	15-Jul-04	JRM	Amongst pheasant cover near entrance to field S of minor road.	
Field south of minor road from A30 to Winterslow	SU280345	15-Jul-04	JRM	Around 100 plants present.	
Sparsholt	SU4330	1966			
Dean	SU4430	1966			
Oliver's Battery	SU4526, SU4527	2006			
S of Texas, Olivers Battery	SU456266	04-Jul-06	MR	Field edge just NE of BC Reserve.	
Olivers Battery	SU457272	04-Jul-06	MR	Field edge by footpath.	
Twyford Down	SU4927	1984			
Chilcomb	SU4928	1968			
Cheesefoot Head area	SU5227	1984-2009			
South of Cheesefoot Head	SU5227	08-Aug-84	RPB	Along tracks of arable fields. Very local, c.18 plants.	
Cheesefoot Head	SU527275	28-Jun-09	GFa	220+ plants ca 100 metre length of conservation strip.	
Longwood Warren	SU5326	1968-2004			
Longwood Warren: Warren Lane	SU530262	1984	RPB	Edge of cornfield along track, scarce.	
E of Warren Lane, Longwood Warren	SU530269	31-Oct-04	MR	5 in unploughed arable to S of path dropping E to Oakclose Plantation.	
Longwood Warren	SU531261	24-Aug-97	PJSe	One plant beside footpath at N end of wood.	
Preshaw	SU5623	1968			
Priddy's Hard, Gosport	SU6101	2004			
Britannia Way / Orwell Drive	SU610011	11-Jul-04	JAN, DRA & EJC	SU6106 0111. As found here by JPol/EJC 8-Jul-04.	

N Hants: Infrequent

Archaeophyte

Spread widely but thinly on arable field edges on chalky soils and usually only in small numbers.

Silene nutans L.

Nottingham Catchfly
1878-2009

National Status: Near Threatened, Scarce, Native

S Hants: Scarce

Native

On fixed shingle and (more rarely) sand on the coast, with unlocalised records for Portsdown in the past where it was presumably on chalk downland – certainly so reported in Lousley (1950). The shingle plant is often distinguished as var. *salmoniana*. It remains extremely abundant and widespread at Browndown, although its situation is more precarious elsewhere on the coast.

Milford on Sea	SZ2891, SZ2892	?1890s-1989			
Milford-on-Sea	SZ283919	1929	HBr	Miss Bruce 1929. Mrs... 1975. Edge of small wood and on road bank by cricket ground. Persisted until 1975. Not refound 1980, RPB.	
Love-Lane, Milford-on-Sea	SZ287920	1989	RPB	Comm AEB. Not found, VS, 1991.	

Lepe Allwoods Copse, Cadland House, Lepe	SZ4699 SZ469997	2002 15-Jun-02	CC	
Browndown W	SZ5699, SZ5798, SZ5799	1878-2007		
Browndown	SZ569994	19-Jul-03	MR	
Browndown Ranges SSSI, W ridge	SZ569995	26-May-07	MR, DRA, JAN & GCo	West of the old gravel pit.
Browndown Ranges SSSI, W	SZ570994	26-May-07	MR, DRA, JAN & GCo	Plentiful in the Gorse fringed gravel pit, just E of fence (and elsewhere nearby).
Browndown	SZ570995	26-May-07	MR, DRA, JAN & GCo	Plentiful in the old gravel pit and elsewhere.
S. Browndown Ranges SSSI, W	SZ571992	1986	MB	1986-7. SZ571992 – 581989. Browndown. Shingle dune. Locally common.
Browndown Ranges SSSI	SZ572992	21-Jul-01	JAN & DRA	Over now.
South Browndown (Ranges) W	SZ572993	22-May-05	BGo, JGo & MR	
Browndown Ranges SSSI	SZ573991	21-Jul-01	DRA	
Browndown Ranges SSSI, NW	SZ573993	18-Sep-01	EJC & DRA	c.SZ57309933, gorse scrub area. At c.SZ57369932, heath area occasional.
Browndown Ranges SSSI, W	SZ573994	10-May-06	DRA, JAN & SJE	
Browndown Ranges W	SZ574991	14-Jun-00	DRA, CRFH et al.	Calculated as 107,429 flowering stems within monitoring area of 100 x 90m set up, centre in SZ574991, organiser R Hedley, for Hants Wildlife Trust (for Sp. Action Plan ?). Quadrats placed by finding random point and then placed over the nearest clump.
Browndown Ranges, N	SZ574994	10-May-06	DRA	e.g.SZ5744 9943.
Browndown Ranges (W)	SZ575991	23-Jun-00	JAN & DRA	In turf.
Browndown Ranges (W)	SZ575991	29-Apr-07	JAN & DRA	e.g. SZ5752 9914. Young basal rosettes with Cladonia rangiformis.
South Browndown (Ranges) W	SZ575992	21-May-01	DRA	
Browndown Ranges, NW	SZ575993	1990	RFG	Shingle dune, large stands.
South Browndown (Ranges)	SZ576991	21-Jul-01	DRA	Over now
Browndown Ranges SSSI / ridge	SZ576994	21-Jul-01	JAN & DRA	SSSI. Over now.
Browndown Ranges	SZ577989	11-Jun-01	DRA	
South Browndown (Ranges)	SZ577990	11-Jun-01	DRA	
Browndown South	SZ577992	01-Aug-97	MJS	Abundant.
Browndown Ranges SSSI	SZ577994	1986	MB	1986-7. SZ570995 – 577994. Browndown. Shingle dune. Locally common.
Browndown Ranges SSSI	SZ578989	26-May-07	MR, JAN, DRA & GCo	
Browndown Ranges SSSI, C	SZ578990	29-Jun-02	JAN & DRA	SZ57890 99073, below stunted Quercus robur.
Browndown Ranges SSSI	SZ578992	06-Apr-02	JAN, DRA et al.	
Browndown Ranges SSSI, N	SZ578993	29-Jun-02	JAN & DRA	c.SZ5782 9934, short grassland area, locally frequent.
Browndown Ranges	SZ579989	20-Jun-03	JAN & DRA	Occasional generally, noted near Linaria repens at SZ5795098972, edge of Quercus robur, Salix cinerea.
South Browndown (Ranges) C	SZ579991	11-Jun-01	DRA	
Browndown Ranges SSSI	SZ579992	08-Jun-63	AWW	SZ579992, etc. Shingle flats and open heath behind beach. Widespread and plentiful. RPB !

Browdown E	SZ5898, SZ5899	1878-2008		
Browdown SSSI: Ranges	SZ580991	11-Jun-01	DRA	E and S of the shingle butt.
Browdown Ranges SSSI, SE	SZ581989	1986	MB	1986-7. SZ571992 – 581989. Browdown. Shingle dune. Locally common.
Browdown SSSI	SZ581990	10-May-08	JAN & DRA	Occasional.
Browdown Ranges SSSI	SZ581991	10-May-08	JAN & DRA	
Browdown Ranges SSSI	SZ581992	11-Jun-01	DRA	N. end of the shingle butt.
Browdown Ranges SSSI	SZ582991	15-May-08	EJC & DRA	
Browdown Ranges (NE)	SZ583990	1955	AWW	[Nominal date] (var salmoniana fide FR 1978) Hb AWW.
Browdown Ranges SSSI	SZ583991	04-Jun-06	JAN & DRA	Occasional.
Browdown Ranges	SZ584991	14-Jun-00	DRA	E side of road, S of the Browdown Road entrance, and W side of it.
Browdown Ranges SSSI, SE	SZ585988	05-Jul-05	JAN & DRA	SZ5858 9889. One patch c.40x30cm, nr pond on N slope of raised scrub area.
Browdown Ranges, SE	SZ585989	15-Jun-96	DRA	
Browdown Ranges SSSI, SE	SZ586988	05-Jul-05	JAN & DRA	One patch 1.5 x 1.2m (estim. 70 fl-stems in total) 'straddling' E boundary fence of S. Browdown / Stokes Bay.
Browdown Ranges, E	SZ586989	1986	MB	1986-7. SZ583991 – 586989. Browdown. Shingle dune. Locally common.
Privett	SZ5999	1937		
Gilkicker	SZ6097	?1878- 2009		
Gilkicker Point	SZ604977	09-Oct-96	JRow	HBIC record. Rare.
Gilkicker Point	SZ607975	05-Jun-09	DRA, JAN & EJC	28 plants, SZ 60767 97592, N of fort.
Fort Monckton	SZ6198	1990		
Nr Fort Monckton	SZ613980	1990	RFG	R. 6 plants.
Eastney	SZ6798, SZ6799, SZ6899	1920s- 2007		
Eastney Beach	SZ673988	26-Jun-03	MR	Dominant over a patch 2 m x 1 m, SZ6738 9884.
Eastney Beach	SZ674988	26-Jun-03	MR	Frequent over an area 5 m x 2 m, SZ6749 9889.
Eastney	SZ675989	06-Jul-97	EAP	Beach, Eastney.
Eastney Beach	SZ676988	24-May-97	GFa	
Eastney Beach	SZ676989	26-Jun-03	MR	Frequent over an area 7m x 13 m, SZ6767 9890.
Eastney Beach	SZ676989	01-Oct-07	JMill	HBIC record. Rare, SZ6769 9890.
Eastney	SZ676990	26-Jun-03	MR	Single patch, SZ6765 9908.
Eastney	SZ677990	1997	EAP	Melville Rd verges.
Eastney	SZ678989	17-Jul-87	DPJS, JMC	Grassy shingle beach. Very local, 30+ plants.
Eastney	SZ678990	26-Jun-03	MR	Single plant in verge of car park, SZ6782 9909.
Fort Cumberland	SZ680991	1994	DGr	[T plts.] [Presume T = transplants. DRA]
Nr Fort Cumberland	SZ680992	1980	EAP	Eastney. '...One plant at SZ680992' [in quantity elsewhere].
Fort Cumberland (E of), Eastney	SZ684992	29-Jul-91	DPJS	As S. nutans var. smithiana. SZ6848 9921. Coastal footpath on E. side of Fort Cumberland, Eastney. Species rich coastal turf on top of sea wall. Ripe (dried) capsules very small 1-11mm. could not study leaves, (no fresh plants). Note – var. salmoniana occurs on beach W. of here.
Fort Cumberland, Eastney	SZ685994	1981	EAP	'[c.SZ685994. DOE store grounds nr Fraser[?] battery. T plts. few]' (Note : presume T=transplant – DRA)
Sinah Common, Hayling	SZ6899, SZ6998, SZ6999	1975-2007		
Hayling Island	SZ6899	1987	EAP	c.1987. Gunner Point, Hayling Is. West foreshore by car park. Includes transplants from Eastney.
Sinah Common	SZ692990	29-May-07	PM	At least 21 clumps in flo. /setting seed E. of pillbox, S. of golf course.
Sinah Common, Hayling Island	SZ693989	1982	EAP	
Hayling Island	SZ693990	17-Jul-97	EAP	Long established.
Gunner Point, Hayling Island	SZ694989	23-Jun-97	JRWH	One cluster of 40 plants is established 25 m S of golf course fence and 25 m W of the Holm Oaks.

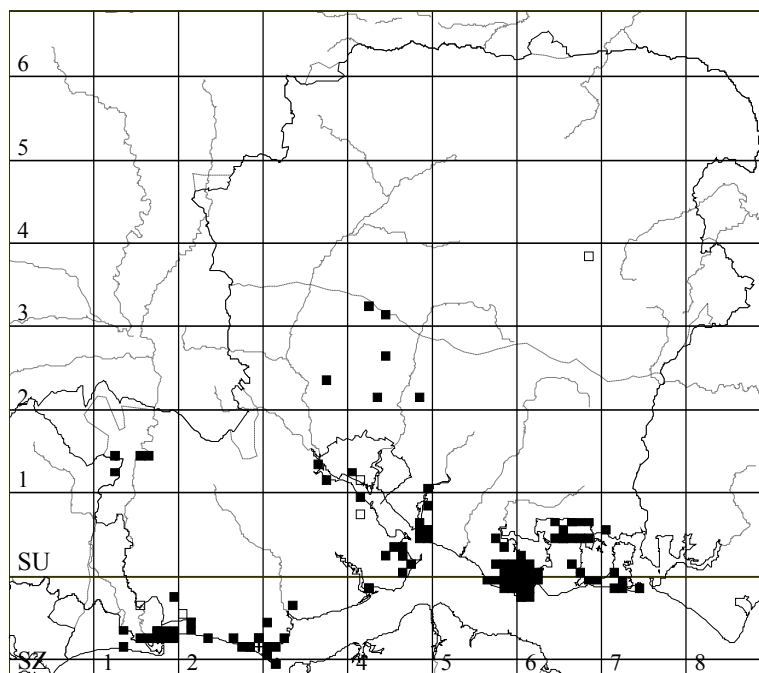
Sinah Common, Hayling Island	SZ694990	1997	TRWH	S of golf course E of sand dunes.
Sinah Common	SZ694993	31-Dec-75	RPB	HBIC record.
Gunner Point, Hayling Island	SZ695988	29-May-98	JRWH	From Holm Oak (120 paces east of pill box) go 17 paces west and 9 south.
Sinah Common	SZ695990	30-May-05	JGood	Patch of c. 20 plants, seems to be spreading. Quantity is estimate.
S of Sinah Common on South Hayling	SZ696989	26-May-05	JRWH	First flower seen on this date – have subsequently heard that there is a better than average show there this year (poss 50 flowering stems ?).

N Hants: Not Recorded

***Smyrnium olusatrum* L.**

**Alexanders
?1850-2010**

National Status: Not Scarce, Archaeophyte



S Hants: Not Ranked

Archaeophyte

Hedgebanks and waste ground along the coast. It also appears to be spreading inland in recent years.

N Hants: Rare or Extinct

Archaeophyte

The only localised VC12 record is in a hedge near Beech. Although there is a scattering of other inland records, they peter out at the VC11/VC12 border. Townsend (1883) gives a VC12 record for 'Hedge in Thornhill road, Winchester', but there seems to be no road of that name now.

Beech, Alton SU6838 1974

***Sonchus palustris* L.**

**Marsh Sow-thistle
1959-2009**

National Status: Scarce, Native

S Hants: Rare

Native

Abundant over a considerable stretch of the eastern side of the Beaulieu River at Exbury at the landward edge of the saltmarsh and estuary, where there seems no reason to doubt its native status despite the late date of discovery. The Lower Exbury site has not been revisited in recent years and may well still be

extant. The discovery of a new population on Southampton Water in 2006 is remarkable; such a conspicuous plant in a quite well botanised area suggests a recent arrival.

Lower Exbury	SZ4198	1972		
Exbury	SZ4199, SU4100	1959-2009		
Exbury Gardens	SZ417998	04-Jul-09	HFG	16 stems at SZ4178 9989, 14 stems at SZ4177 9988, 200+ stems at SZ4176 9985 southwards.
Exbury Gardens: Daffodil Meadow to shore	SZ417999	04-Jul-09	HFG	6 stems at SZ4177 9992, 10 stems at SZ4177 9990.
Lower Exbury	SZ419993	03-Sep-89	RPB	SZ419993 etc. Margin of wooded and grassy estuary. Locally large stands.
Exbury Gardens	SZ419996	08-Jun-08	MR & RCR	Patch found at wooded margin of brackish marsh by embayment, SZ4190 9962.
Gilbury Hard, nr Exbury	SU415004	23-Sep-04	DRA, EJC, JPol et al.	SU4159 0041. LF along back of shore, one in fl – rest in fruit.
Gilbury Hard, Exbury	SU416002	15-Aug-99	BGo & JGo	Locally frequent along wooded edge of saltmarsh.
Gilbury Hard, Exbury	SU416003	23-Sep-04	DRA, EJC, JPol et al.	SU4168 0036. In the lane to Gilbury Hard.
Gilbury Hard, Exbury	SU416004	24-Aug-61	AWW	'Found at Gilbury Hard, Exbury and Lepe, Hampshire 1961'. Hb.AWW specimen Bi1986.1.1139.
S of Gilbury Hard, Exbury	SU417000	02-Sep-89	RPB	SU417000 – 417001. Upper estuary shore above saltmarsh. L. pl. scat. stands.
S of Gilbury Hard, Exbury	SU417001	02-Sep-89	RPB	SU417000 – 417001. Upper estuary shore above saltmarsh. L. pl. scat. stands.
Beaulieu River	SU417003	23-Sep-04	DRA, EJC, JPol et al.	SU41758 00305, by hedge near gates to jetty: one on saltmarsh side, two (veg) in hedgeline.
Ashlett	SU4702	2006-2007		
Fawley Power Station	SU472029	01-Aug-07	MR & GCo	At SU4724 0295

N Hants: Not Recorded

Sorbus x tomentella Gand. **False Service-tree** **1986-2007**

National Status: Rare, Native

S Hants: Rare

Native

Although there are other areas such as the New Forest where both parent species (*S. aria* and *S. torminalis*) can be found, their preferred habitats are usually farther apart. The Yoell's Copse site is on the junction of the Chalk and Tertiaries, and a search in other woods along this boundary would be worthwhile. It was first found in the 1980s by JRow, but only confirmed in recent years by TCGR and DPri.

Yoell's Copse, Horndean	SU6812	1986-2007		
Yoell's Copse, Horndean	SU687129	14-Oct-07	MR et al	Two at SU6877 1297, both cut to or near ground level, one now putting out strong shoots.
Yoell's Copse, Horndean	SU689129	14-Oct-07	MR et al	Hb.ARGM, One of several trees of this hybrid shown to Martin Rand et al by John Vigay. Specimen collected by ARGM from SU6892 1298.

Sparganium angustifolium* Michx.*Floating Bur-reed
1952-1999****National Status: Not Scarce, Native****S Hants: Rare**

Probably Native

Found only in a small gravel pit to the south-west of Hatchet Pond, this upland species is known nowhere else in southern Britain and is suspected of having arrived with waterfowl.

Hatchet Pond	SU3601	1952-1999		
Bagshott Moor Hatchet Pond	SU365011	02-Aug-99	MEY	Small Pond.
Hatchet Pond. S of	SU365012	28-Jun-52	TPB & FEWW	SU365011-2. Small gravel pit pond. Very locally frequent.

N Hants: Not Recorded***Sparganium natans* L.****Least Bur-reed
?1720s-2007****National Status: Not Scarce, Native****S Hants: Rare**

Native

Although now mainly in the uplands of Britain, it once had a wide but scattered lowland distribution, of which the New Forest populations are a rare relic. Also formerly recorded at Milton Glen (SZ29H), Hinchelsea Bottom (SU20V), Norleywood (SZ39), Ladycross Walk (SU30) and near Petersfield (SU72).

Marlborough Deep	SZ2298	c. 1890-1997		
Holmsley & Wootton Heath	SZ224985	16-Aug-97	VS	Marlborough Deep, in two different Marl Pit ponds.
Holmsley & Wootton Heath	SZ224986	16-Aug-97	VS	Marlborough Deep.
New Milton	SZ2495	?1900s		
Upper Pennington Common	SZ3095	?1900s-1968		
Greenmoor area, Boldre	SZ3398	1870s-1999		
Greenmoor, Boldre	SZ336993	18-Aug-99	MEY	Refound by AEB and later found by MEY.
Pilley Bailey	SZ337990	Oct-86	SJE	As <i>S. minimum</i> . (From sketch map: 'Flushes & pools E of Pilley Bailey').
Crockford	SZ3598, SZ3599	1979-2007		
Crockford	SZ350989	21-Aug-97	MEY	Bridge.
Crockford Bridge	SZ350990	26-Jul-03	BSBI	
Crockford marl pits, South	SZ351988	02-Oct-07	NAS	A fine new colony of 3 x 1m in a cleared pond at SZ35101 98893 ±9m.
Crockford Bridge	SZ354989	01-Jul-89	ARGM	Photographed.

N Hants: Not Recorded***Spartina alterniflora* Loisel.****Smooth Cord-grass
1836-2006****National Status: Rare, Neophyte****S Hants: Rare**

Neophyte

This is the North American parent of the hybrid *S. x townsendii*, which in turn gave rise to the now widespread allopolyploid species *S. anglica* that dominates many mudflats. Townsend gives numerous records for both sides of Southampton Water, from Redbridge and Eling down to Hill Head and south of

Hythe, and also mentions Lymington (SZ39). Only two sites now remain, another at Dibden Bay having been destroyed in 1963 by reclamation.

Eling	SU3711, SU3712	?1840s- 2001		
Bury Marsh, Eling	SU377117	1976	RPB	Tidal estuary mudflats.
Bury Marsh, nr Marchwood	SU377119	1986	AJG	[*Betw.17.9.86 & 18.10.90 ?] 'true... [not delib. intr.] S. alterniflora parent... the front of the marsh below SU377119 carries a healthy sward in deeply dissected marsh with S. anglica intermixed.', letter from A.J. Gray, mentions record of 17.9.86.
Bury Marsh, Eling	SU379115	06-Oct-63	WFB	Tidal estuary mudflats, intermittently dominant over about 50 acres.
Eling, Southampton	SU3712	1924	SMa	As S. glabra. [1923 or '23?] 'Planted at Eling'. [Grid ref. from 1996 Flora]
Bury Farm Marsh, Marchwood	SU382116	17-Aug-01	BGo & JGo	Several discrete patches out on saltmarsh, found with PJSe.
Hythe Spartina Marsh	SU4307	1960s- 2006		
Hythe Spartina Marsh	SU433070	16-Aug-06	MR & JPol	Single large patch c. 6m x 5m with a few isolated plants beyond margins.

N Hants: Not Recorded

***Spartina maritima* (Curtis) Fernald**

Small Cord-grass
c. 1770-1995

National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Scarce

Native

Recorded as "rather common" in Townsend, with a distribution from Lower Exbury to Hayling (and later also farther west), but rare by the time of Rayner in the 1920s, and such discoveries as have been made since seem also to have gone. Dr. A J Gray visited many sites in the late 80s and found none at any of the documented sites he visited, bar one. It was a plant predominantly of the upper saltmarsh, and it is not altogether clear how much its losses are from direct competition with the newly arisen hybrid and species, and how much from coastal development and sea-level rise. It deserves to be searched for again intensively to determine its true current status, given that there are so few records in the last 25 years and none in the last 15.

Keyhaven Marshes	SZ3191	1976		
Normandy	SZ3393	1973-1975		
Eling	SU3712	1963		
Gilbury Hard area, Exbury	SU4100	1907		
Great Salterns Lake, Portsmouth	SU6701	1991		
Great Salterns Lake	SU676017	21-Sep-91	DPJS	Det PJOT, Hb RPB.
Farlington Marshes	SU6804	1960		
The Kench, Hayling	SZ6999, SZ7099	1989		
N of Sinah Common, Hayling Island	SZ698998	22-Aug-89	RPB, FR & EAP	With HCC Ranger. 'Sinah Warren, on tidal mud on the harbour shore', in litt. RPB to AB, 5.11.90.
N of Sinah Common	SZ700997	1989	FR & RPB	[Site not named.]
North Binness Island	SU6900	1960		
Newtown, Hayling	SU7100, SU7101	1960-1986		

Langstone	SU7105	1979		
Northney, Hayling	SU7204	1960-1988		
Northney, Hayling Island	SU723042	31-Aug-88	AJG & JDT	Northney saltings, alongside road. Popu. of c.25 plants with 15 in one area and scattered. In Halimione dominated vegn about 30m from road in centre of marsh. Rather tall plants.
Northney, Hayling Island	SU724043	1986	AJG	[Date c.1986 inferred] 'the only record of <i>S. maritima</i> I could confirm in the whole S. coast was at Northney on Hayling Island (about 20 plants at about SU724043)'
Northney, Hayling Island	SU728042	1960	CJM	Tussocks in <i>S. x townsendii</i> sward [None found 1988.] "I searched sites at... Hayling Island (Marchant 728042- 1960)... In all cases <i>S. maritima</i> had gone".
Tournerbury, Hayling	SZ7399, SU7300	1980-1984		
Mengham, Hayling	SZ7399	1976		
Gutner, Hayling	SU7301	1986-1995		
Gutner Peninsula, Hayling Island	SU735015	1986	FR	
Gutner Saltmarsh	SU7301	06-Sep-95	FR	
W. of Emsworth	SU7305	?1900-1979		
Black Point, Hayling	SZ7498	1963		

N Hants: Not Recorded

***Spartina x townsendii* H.&J. Groves**

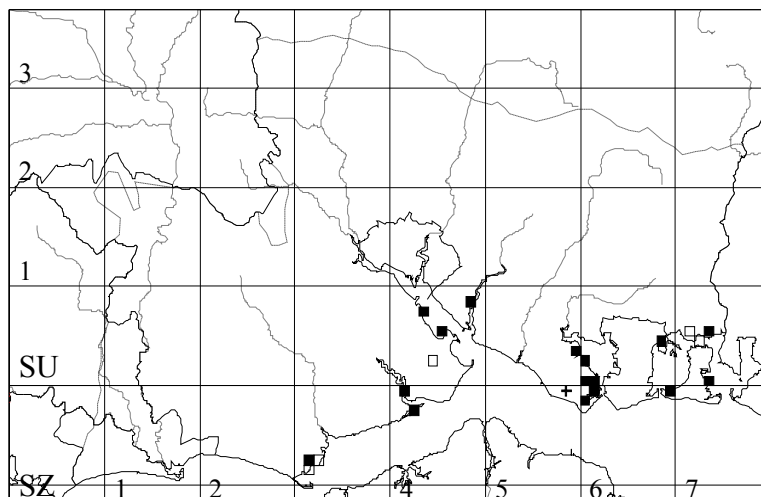
Townsend's Cord-grass 1846-2010

National Status: Unlisted, Scarce, Native

S Hants: Infrequent

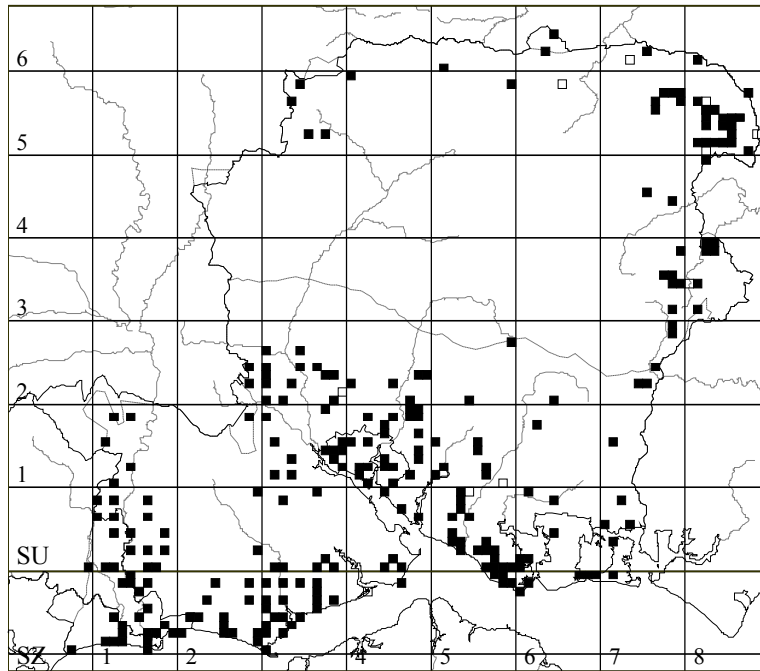
Native

Probably more frequent than the records suggest, as it is often nowadays in rather small quantity and mixed with *S. anglica*.



N Hants: Not Recorded

National Status: Vulnerable, Not Scarce, Archaeophyte



S Hants: Not Ranked

It remains a well-distributed plant of arable and bare ground on the lighter more acid soils.

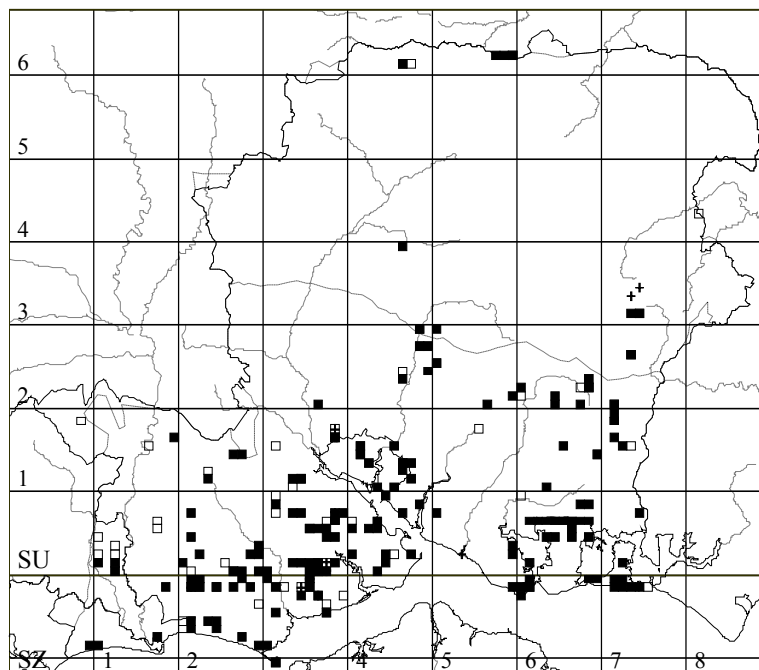
Archaeophyte

N Hants: Not Ranked

Locally plentiful where it still occurs on dry sandy disturbed or bare soil, and on arable land. It tends to avoid the chalk.

Archaeophyte

National Status: Near Threatened, Not Scarce, Native



S Hants: Not Ranked

Native

It remains widespread on short turf on light soils, especially in the Forest and near the coast, and often thrives in highly managed turf in suburban or urban situations. Numbers fluctuate from year to year in a given spot, but counts in the hundreds or even thousands remain by no means unusual.

N Hants: Scarce

Native

In short turf on chalk downland or light sandy soils and occasionally in garden lawns.

Burghclere	SU4661, SU4761	1966-2000		
Oxdrove, Burghclere	SU464611	1982	NFC	
Breachfield, Burghclere	SU468611	24-Aug-00	BSC	About 20 in the lawn of 17 Breachfield.
Ayres Lane, Burghclere	SU470615	1966	CL	Garden of Mr. & Mrs. Parry, Ayres Lane, Burghclere. 4-5 dozen spikes on lawn.
Magdalen Hill Down	SU5029	1997-2002		
Magdalen Hill Down	SU502292	05-Jul-97	LBa & AJBa	
Magdalen Hill Down	SU505291	02-Aug-02	PAB	On the original reserve.
Heath End	SU5762	2004-2010		
Heath End, Long Grove	SU578625	Oct-04	PB	In lawns outside houses, just in Hants.
Heath End	SU589622	01-Sep-10	JPe	In this 100m square scattered in lawns of No.60, 62, 64, Portway, Heath End. 13 spikes at SU5798 6229 (No.60), 11 spikes at SU5797 6229 (No.62) and 78 spikes at SU5796 6229 (No.64). One or two were noticed in 2009 but there are far more in 2010. This open-plan estate was built in 1952 on very poor acidic common land.
Heath End	SU579623	01-Sep-10	JPe	Two spikes each in gardens of No.66 and 68, Portway, Heath End, SU5794 6230.
Baughurst	SU5862	2010		
Baughurst	SU580625	24-Aug-10	JWe	c.60 spikes counted on front lawn under Scots Pine at 1 Forest Close, SU5805 6255. The owner is aware and mows after seed set. Associated species: Achillea millefolium, Plantago lanceolata, Viola hirta, Prunella vulgaris.
Tadley	SU5962	1983-2010		
Tadley, Franklin Avenue	SU592623	08-Sep-10	JPe	Several spikes visible from road in lawn of No.90, Franklin Avenue.

Shoulder of Mutton Hill

1978-1988

Shoulder of Mutton Hill SU738268 1988 DBa
Shoulder of Mutton Hill SU739268 1986 RL 3 plants c.1986, not since.

Noar Hill

SU7331, SU7431

1973-2010

Noar Hill SU739319 01-Sep-10 ARGM 1 spike at SU7396 3194, 6 at SU7399 3190, 2 at SU7397 3191, 2 at 7396 3191, 2 at 7396 3191.
Noar Hill SU740318 05-Sep-10 HFG At SU7408 3186.
Noar Hill SU740319 01-Sep-10 ARGM 5 spikes at SU7408 3191, 9 at SU7407 3191, 4 at SU7407 3190 and 1 at SU7406 3190.
Noar Hill SU741318 26-Aug-07 ARGM & SC At SU7419 3188, and on the Scrape at SU7414 3185, 7415 3183, 7415 3184.
Noar Hill SU741319 01-Sep-10 ARGM 25 spikes at SU7414 3191 and 9 at SU7412 3192.
Noar Hill SU742318 26-Aug-07 ARGM & SC At SU7425 3187, 7427 3184.
Noar Hill SU742319 07-Sep-07 PBi
Noar Hill SU743318 26-Aug-07 ARGM & SC At SU7430 3186.
Noar Hill SU744318 26-Aug-07 ARGM & SC At SU7446 3186.
Noar Hill SU745318 26-Aug-07 ARGM & SC At SU7453 3184.
Noar Hill SU747319 20-Aug-00 BGo & JGo In floor of old chalk pit.

Holt Pound, Binstead

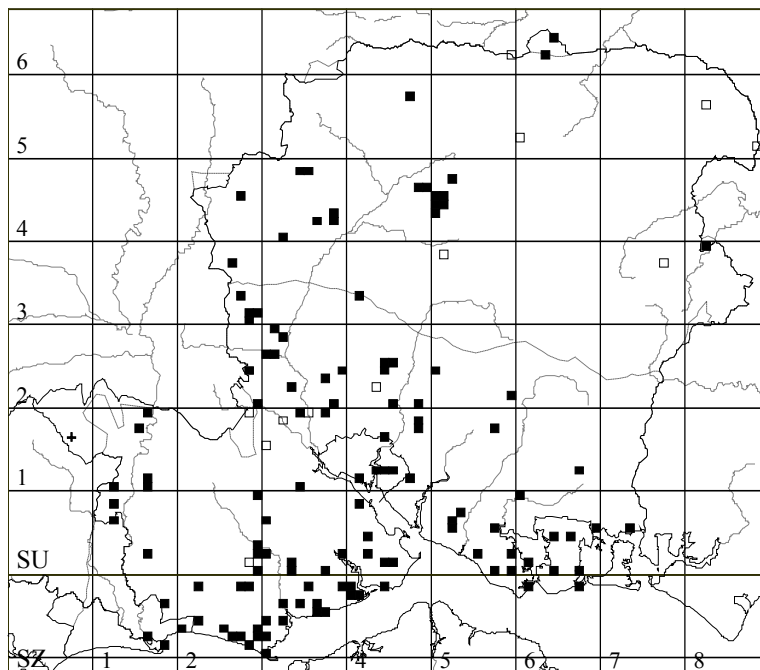
SU8143

1978

***Stachys arvensis* (L.) L.**

**Field Woundwort
1839-2010**

National Status: Near Threatened, Not Scarce, Archaeophyte



S Hants: Not Ranked

Archaeophyte

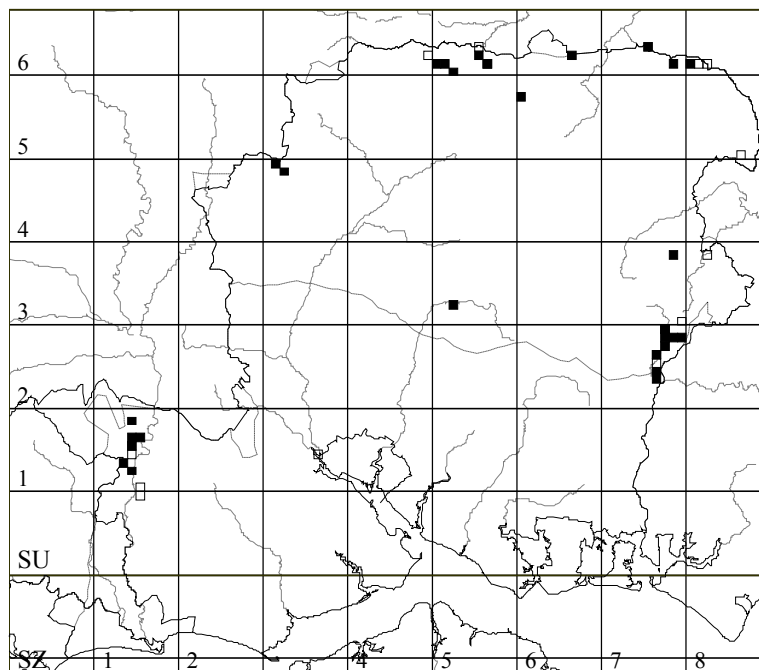
It remains widespread as an arable plant on the lighter soils, mostly avoiding chalk, often doing well in allotments and gardens, and in recent years appears to be spreading as an urban plant of waysides and waste ground.

N Hants: Infrequent

Archaeophyte

On bare or disturbed ground, and as an arable weed on field edges.

National Status: Not Scarce, Native



S Hants: Scarce

Native

Extraordinarily localised, given that South Hampshire is not yet lacking in the ancient hedged landscape it seems to prefer. Also recorded for the Bicton area (SU11L), and there is an unconfirmed record from the Lower Test reserve (SU3614), where MR and EJC have failed to re-find it.

Midgham	SU1313	1994-2000		
Midgham	SU133133	01-Jul-00	GDF	Frequent, E side of lane S from SU133133.
Midgham Wood	SU136131	03-May-94	ILR	
Marl Lane, Fordingbridge	SU1414	1968-1972		
Puddleslosh Lane, Fordingbridge	SU1415	1968-2006		
Puddleslosh Lane, Fordingbridge	SU140155	27-May-05	MR & GLo	Just off lane by FP going NW to S of Spittals Farm.
Puddleslosh Lane, Fordingbridge	SU140156	25-Apr-06	PAB	By the track through the woods at SU1401 1563.
Puddleslosh Lane, Fordingbridge	SU142156	25-Apr-06	PAB	Along 50 metre stretch of lane west from SU14261564.
Puddleslosh Lane, Fordingbridge	SU142156	25-Apr-06	PAB	At corner of lane, SU14261564. Both sides of lane at SU1422 1562 and SU1423 1563.
Outwick, Breamore	SU1416	2008		
Nr Outwick, Breamore	SU143168	07-May-08	AEB	
Roundhill Farm, Breamore	SU1418	2008		
E of Roundhill Farm, Breamore	SU142181	07-May-08	AEB	
Ibsley	SU1509, SU1510	1971-1972		
Upper Burgate	SU1516	2008		
Upper Burgate	SU150165	07-May-08	AEB	
Wetrow Moor, Petersfield	?SU7623	1990		
Wetrow Moor, Petersfield	SU762232	23-May-90	RPB	[Site*?] R. Rother. S river bank and drain flowing into river. L. 3 sm patches. [*762232 among buildings, & the river is 600m away – DRA.]

Sheet Mill	SU7624	1976-1990		
R. Rother, Sheet Mill	SU760241	23-May-90	RPB	E river bank below FB on bare sand. Local, small patch.
N of Sheet Mill, Petersfield	SU761242	23-May-90	RPB	R. Rother. E river bank on bare sand, fringe of trees. Local, small patch.
Sheet	SU761243	23-May-90	RPB	R. Rother. N of Sheet Mill. E river bank on bare sand, fringe of trees. Locally abundant, patch 7x4m.

N Hants: Infrequent

Native

On moist, shady river or ditch banks, especially near to the R. Rother, the R. Enborne and the R. Blackwater.

***Stellaria palustris* Retz.**

Marsh Stitchwort
1850-2010

National Status: Vulnerable, Not Scarce, Native

NERC S41

UK BAP Priority Species

S Hants: Scarce

Native

In ditches and damp pastures; formerly with a number of sites scattered across south Hampshire, but all but one of those recently recorded are in the Avon valley where there are still a few strong populations. Formerly recorded by the Moors River, Hurn (SZ19J), near Tricketts Cross (SU00V), between Holmsley and Burley (SU20), the Romsey area (SU32), Purbrook Bog (SU20T), and Petersfield (SU72).

Dudmoor Farm, Christchurch	SZ1496	1984-1988		
Avon Meadows, Hurn	SZ146965	19-Aug-84	RPB	Bank of meadow drain. Very local, c.10 plants. 'SZ149964? GR may be wrong... leave Christchurch Angling club car park and walk E toward R. Avon, there is a improved meadow on S and unimproved on N. Several patches in ditch on N. of track with Sagittaria and Potentilla pal.'
Dudmoor Farm, Winkton	SZ149964	22-Aug-88	JO	
Hurn	SZ1497	?1924-1956		
Kingston North Common	SU1403	1969-1987		
Kingston North Common	SU149031	15-Jul-87	RPB & JO	In rank marsh herbage W side pool. Rare, 1 sq m patch.
Hurst Common, Ringwood	SU1404	1986-1996		
Hurst Common, Moortown	SU147043	12-Aug-86	HCC	[SU147043-5 & elsewhere] Hab. Assess. Team. Fen in valley flood plain. Large extensive population.
Hurst Fen West	SU147045	14-Aug-96	ILR	HBIC record. Occasional.
Hurst Common, Ringwood	SU148043	12-Aug-86	HCC	[SU148043 & elsewhere] Hab. Assess. Team. Fen in valley flood plain. Large extensive population.
Hurst Fen East	SU149045	14-Aug-96	ILR	HBIC record. Occasional.
Knapp, Christchurch	SZ1593	?1850-1949		
Cowards Marsh	SZ1594	1976-2009		
Cowards Marsh	SZ151948	17-Aug-08	MR	1 fl spike at SZ1513 9487, 1 fl spike + patch 1m x 0.5m at SZ1515 9484, 2fl spikes + patch 1m x 0.5m at SZ1516 9483, 2 fl spikes + patch 9m x 1m at SZ1513 9488, 2 fl spikes + patch 3m x 1m at SZ1517 9489 [Much more in evidence here in 2009 but not properly surveyed]
Cowards Marsh	SZ152947	16-Jun-93	FAW	Ditch on edge of alluvial meadow. Very local, fairly plentiful in 1 patch
Coward's Marsh, Christchurch Meadows	SZ153947	04-Jul-76	RPB	
Cowards' Marsh, Fairmile	SZ153948	21-Jun-65	CDD	
				c.SZ153948. Marshy sides of drains in watermeadow. Local, fairly plentiful.

Winkton Common R. Avon, Winkton Common	SZ1595 SZ157951	1924-1994 1994	JRow	Light grazed tall fen meadow with Reed grasses, Carex spp, Mentha aquatica.
Jockstrill Common Jockstrill Common, Sopley	SZ1597 SZ152972	1987 15-Jul-87	RPB & JO	Wet grassland. Rare, 2-3 plants.
Marlborough Deep Marlborough Deep, Wootton	SZ2298 SZ223987	1987-1988 1988	NAS	c.SZ223987. In pool in isolated glade in blackthorn scrub. Very rare, 1 plant. [Not refound by NAS in 2008].]
Hookheath Hookheath	SU6407 SU646078	2004 09-Jun-04	JGood	10 plants.

N Hants : Scarce

Native

In marshes or fens. Searched for unsuccessfully at several former sites in 2009 and decreasing at Ashford Hill Meadows, though a new site was found just north-west of the NNR in 2010. The record at Newtown Common needs confirming.

Bransbury Common	SU4242	1978		
Newtown Common Newtown Common, 'Oakridge' meadow	SU4663 SU4663	2000 12-Sep-00	BN	[Centre of site is c.SU466632]. Site survey.
Ashford Hill, NW of Ashford Hill, NW of	SU5562 SU557623	2010 13-Jun-10	ARGM	Total of 48 plants (18 in this 100m square) at site first discovered by ReNHS on 29 May 2010. 1 at SU5572 6236, 5 at SU5572 6237, 12 at SU5572 6239.
Ashford Hill, NW of	SU557624	13-Jun-10	ARGM	30 plants in this 100m square at site first discovered by ReNHS on 29 May 2010. 4 at SU5571 6240, 3 at SU5571 6241, 12 at SU5572 6240, 1 at SU5772 6241, 10 at SU5573 6242.
Ashford Hill Meadows	SU5562, SU5661, SU5662	1962-2010		
Ashford Hill Meadows	SU557622	1982	PB	Meadows by stream.
Ashford Hill Meadows	SU557624	27-Jul-84	MEd	HBIC record.
Ashford Hill Meadows	SU559620	08-Jul-01	ARGM & HFG	At c.SU559620, in one of the three locations seen.
Ashford Hill Meadows, W	SU560620	28-Jun-01	ILR	HBIC record.
Ashford Hill Meadows	SU560622	02-Jun-83	MEd	HBIC record.
Ashford Hill Meadows	SU562620	13-Jun-10	ARGM	9 plants still present but only at one former site. 1 at SU56273 62073, 1 at SU56270 62070, 3 at SU56270 62074, 1 at 56268 62073, 1 at SU56268 62074 and 2 at SU56263 62075.
Ashford Hill Meadows	SU562621	08-Jul-01	ARGM & HFG	At SU562½621, one of three locations found.
Ashford Hill Meadows, E	SU563617	29-Jun-01	ILR	HBIC record.
Ashford Hill	SU563618	08-Jun-91	ARGM	
Ashford Hill Meadows, NE	SU563621	22-Jun-01	ILR	HBIC record.
Ashford Hill Meadows	SU564620	05-Jun-05	ARGM, PB & WGH	c.20 plants at SU5643 6202, beside patch of Hottonia palustris.
Ashford Hill	SU565619	20-Jul-96	ARGM	
Hartley Wespall	SU6956	1984-1986		
Thatcher's Ford	SU7463	1900		
North Warnborough Green	SU7252	1977		
Reeds Lane, Liss Reeds Lane, Liss	SU7928 SU795287	1991 1991	DF	In swamp.
Dora's Green	SU8148	1960		

Foxlease Meadows Foxlease Meadows	SU8356 SU830565	1985-2009 04-Jun-09	ARGM	At least 15 plants in total. On SW side of pond, 1 very large plant at SU83046 56587 with 48 flowers open and 1 at SU83047 56593. On east side, 1 at SU83065 56598, 1 at SU83061 56594, 1 at SU83064 56591 and 1 large plant at SU83064 56590 with 12 flowers open.
Foxlease Meadows	SU830566	04-Jun-09	ARGM	At least 15 plants in total. On NW side of pond, 3 plants at SU83049 56609, 1 at SU83047 56606, 3 at SU83045 56600 and 2 further north at SU83050 56619.
Foxlease, nr Cove	SU831566	1985	CRH	Pond.
Blackwater meadows	SU8460	1986		

***Stratiotes aloides* L.**

**Water-soldier
1966-2009**

National Status: Near Threatened, Rare (as native), Native and Introduced

S Hants: Scarce

Neophyte

Always an introduction here.

Bournemouth Bournemouth Centre etc	SZ0891 SZ0891	2005 02-Jul-05	RMW	Horseshoe Common: pond and environs.
Pollards Moor, Cadnam Pollards Moor, Cadnam	SU3014 SU300141	1993 03-Jul-93	RPB	Small pond at road junction W of road, centre of pond. Introduced, rare: few plants
Rownhams Pond Rownhams Pond	SU3816 SU384163	1990 26-Jun-90	PAB	6 plants not in flower.
Fleetend, Warsash Fleetend, Warsash Warsash (Common) N	SU5005 SU501058 SU502059	1988-1999 17-Sep-88 24-Jul-99	RPB JAN & DRA	Moat in wooded old gravel pit.
Leydene Park, East Meon Leydene Park	SU6718 SU679188	2001 24-Jul-01	DRA	Leaves only, crowded into pond of c. 8x10 feet across.
Leydene Park	SU679189	14-May-01	DRA	Plenty in the pond.

N Hants: Scarce

Neophyte

Its 'boom and bust' history in the Basingstoke Canal is recounted in the 1996 *Flora*, and it is probably extinct there now due to recreational boating. It survived in the Hampshire section of the canal until at least 1997, but the annual monitoring then ceased until a survey in 2002, when it could not be refound. The status 'Scarce' is of course based on records from 1987 onwards but most records were from the canal (or the interconnected Gelvert Stream) so this understates its current rarity. Also found planted in ponds.

Upper Wield Upper Wield	SU6938 SU629388	1998 21-Aug-98	ARGM & DBr	In village pond, clearly planted here.
Silchester Pond Church Lane, Silchester	SU6462 SU643622	1981 1981	EAP	Site as 'Silchester Pond'.
Hawley Hawley	SU7429 SU747294	2002-2008 13-Feb-08	JAN, DRA & EJC	SU7478 2947 in pond. Five sunken overwintering plants, inspected leaves still green. W of Hawley Road/Uplands Lane junction.

Basingstoke Canal, Crookham to Fleet	SU8052, SU8053, SU8153, SU8253	1978-1997		
Basingstoke Canal, Coxheath	SU802526	18-Aug-86	CRH	Decreased from 30 plants just west of Coxheath Bridge on 26 Sep 1983, to now a single plant.
Basingstoke Canal, Crookham	SU804528	18-Aug-86	CRH	Scattered plants surviving in the Court Moor stretch of the canal.
Basingstoke Canal, Fleet	SU807536	13-Sep-87	CRH	Occasional plants Glen Road to Reading Road c.SU807536, but gone by 1988.
Basingstoke Canal, Fleet	SU811536	13-Sep-87	CRH	Scattered plants within SU8153 on 20 Aug 1986. By Heatherside, c.SU811536 on 13 Sep 1987.
Basingstoke Canal, Fleet	SU820536	1978	ARGM	Prior to 1978 dredging, abundant SU820536 to SU881517.
Basingstoke Canal, Pondtail	SU823537	04-Sep-97	CRH	Formerly abundant about Pondtail Bridge, but declined after 1987. Persisted longest in Pondtail Flash, where c.60 plants on 4 Sep 1997.
Gelvert Stream	SU8254, SU8253	1990		
Gelvert Stream	SU828540	1990	ARGM	Escaping from Basingstoke Canal into Gelvert Stream via an overflow.
Gelvert Stream	SU828542	1990	ARGM	Escaping from Basingstoke Canal into Gelvert Stream via an overflow.
Gelvert Stream	SU829537	1990	ARGM	Escaping from Basingstoke Canal into Gelvert Stream via an overflow.
Basingstoke Canal, Fleet to Aldershot	SU8352, SU8353, SU8452, SU8552	1966-1992		
Basingstoke Canal, Norris Hill	SU830535	25-Aug-92	CRH	Abundant within SU8353 in 1985 – 86, but much decreased by 1990. Last seen on 25 Aug 1992 in the outflow pool at Gelvert Aqueduct c.SU830½535.
Basingstoke Canal, Eelmoor	SU836532	25-Aug-92	CRH	Formerly plentiful in SU8352, last seen adjacent to Eelmoor Marsh c.SU836532½.
Basingstoke Canal, Eelmoor	SU839529	Aug-86	CRH	Was plentiful throughout the Norris Bridge to Eelmoor Bridge section in 1984, including the short section of channel in this 1km square. Last seen in Aug 1986 at c.SU839½529, when rare.
Basingstoke Canal, Puckridge	SU846528	19-Aug-90	CRH	It recolonised after dredging and in 1984 was still more or less continuous c.SU842528 to SU846528 at Eelmoor Flash and east to beyond the bridge. Fragmenting in 1km square SU8452 by 9 Sep 1985, though still abundant in and near Eelmoor Flash. Rather patchy by 1986. Last recorded in SU8452 as one small plant at Puckridge on 19 Aug 1990.
Basingstoke Canal, Claycart Flash	SU851527	23-Aug-86	CRH	One plant in the west bay at SU851527, several in the south bay at SU851½527.
Basingstoke Canal, W of Wharf Bridge	SU856522	14-Jul-73	RPB	SU856522 – SU859522. In canal W of Wharf Bridge. Widespread, abundant, choking water.
Basingstoke Canal, W of Wharf Bridge	SU859522	14-Jul-73	RPB	SU856522 – SU859522. In canal W of Wharf Bridge. Widespread, abundant, choking water.
Basingstoke Canal, Aldershot	SU8652, SU8752, SU8851	1966-1997		
Basingstoke Canal, Aldershot	SU8652	05-Sep-97	CRH	Was very common within 1km square SU8652 during the mid 1980's but very fragmented by 23 Aug 1992, when quite plentiful both sides of Wharf Bridge and through to Queen's Avenue, though not continuous, c.SU861½523 to SU866522. It persisted for at least five more years until noted as locally plentiful east of Wharf Bridge for c.50m, c.SU863523 and scattered plants towards Queen's Avenue.
Basingstoke Canal, Aldershot	SU8752	05-Sep-97	CRH	Scattered plants or small groups adjacent to Aldershot military town, c.SU870521, SU872½521, SU875522 and SU878522½.
Basingstoke Canal, Aldershot	SU881517	1978	ARGM	Prior to 1978 dredging, abundant SU820536 to SU881517.
Basingstoke Canal, Ash Embankment	SU8851	23-Aug-86	CRH	Only noted this far east in the early years of the canal monitoring programme, and rare even then. Last noted 23 Aug 1986 with a few plants at c.SU881517 beyond Ash Lock near Government Road.

Ramilies Lakes, North Camp	SU8853	1978-2009			
Ramilies Lakes, North Camp	SU885534	27-Aug-09	JMil	7 plants at SU8851 5345 at edge of lake from old gravel pit.	
Ramilies Lakes, North Camp	SU885536	27-Aug-09	JMil	1 plant at SU8854 5362 at edge of lake from old gravel pit.	
Ramilies Lakes, North Camp	SU886534	27-Aug-09	JMil	1 plant at SU8861 5343 at edge of lake from old gravel pit.	

***Taraxacum acutum* A.J. Richards** **Violet-striped Dandelion**
1976

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

This plant is known elsewhere in south-east England from chalk grassland and should be searched for elsewhere in Hampshire.

Vineyard Hole, East Meon **SU6822** **1976**

N Hants: Not Recorded

***Taraxacum akteum* Hagend., Soest & Zevenb.** **Hampshire Dandelion**
1989

National Status: Vulnerable, Rare, Native

S Hants: Not Recorded

N Hants: Rare

Native

According to Sell & Murrell (2006) and Dudman & Richards (1997) this dandelion was then only known from a single site in VC12, and from a slightly saline meadow in the Netherlands. However it has since been found in several other places nationally, and apart from VC12 there are specimens recently determined by AJR from vice-counties 23, 29, 30 35 and 41 in the National Taraxacum Collection at the National Museum of Wales. The Ashford Hill record is not mentioned in the 1996 *Flora* as the specimen was evidently determined just after that publication.

Ashford Hill Meadows **SU5662** **1989**
Ashford Hill Meadows SU5662 May-89 AB Specimen in the National Taraxacum Collection at NMW, det. AJR.

***Taraxacum anglicum* Dahlst.** **English Dandelion**
1986

National Status: Unlisted, Scarce, Native

S Hants: Not Recorded

N Hants: Rare

Native

The only record is supported by a specimen collected by RPB from short turf in wet alluvial pasture, and determined by CCH.

Chilbolton Common **SU3840** **1986**

***Taraxacum argutum* Dahlst. Sharp-toothed Dandelion**

1975

National Status: Unlisted, Not Scarce, Native

S Hants: Rare

Native

Recorded from Sinah Common, Hayling (SZ79E) by AB in 1975. A mostly westerly species in Britain.

N Hants: Not Recorded

***Taraxacum cherwellense* A.J. Richards Cherwell Dandelion**

1977

National Status: Unlisted, Rare, Native

S Hants: Not Recorded

N Hants: Rare

Native

The only record is supported by a specimen in Hb.AB held at BM.

Odiham Common SU7452 1977

***Taraxacum commixtum* G.E. Haglund Sociable Dandelion**

1975

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Dunes and sandy heaths; it should be looked for in the Avon valley.

**Sinah Common, SZ6999 1975
Hayling Island**

N Hants: Not Recorded

***Taraxacum cophocentrum* Dahlst. Rounded-lobed Dandelion**

1991

National Status: Unlisted, Not Scarce, Native

S Hants: Not Recorded

N Hants : Rare

Native

In a damp, unimproved meadow.

**Ron Ward's SU6060 1991
Meadow, Tadley**
Ron Ward's Meadow, SU602607 May-91 AB Specimen in Hb.AB at BM.
Tadley

***Taraxacum dunense* Soest** **Dune Dandelion**

1975

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Recorded from Sinah Common, Hayling (SZ79E) by AB in 1975. A species restricted to sand dunes.

N Hants: Not Recorded

***Taraxacum richardsianum* C.C. Haw.** **Richards's Dandelion**

1981-1984

National Status: Unlisted, Not Scarce, Endemic

S Hants: Rare

Native

Likely to be elsewhere on the southern Forest.

Holman's Bottom, SU2202 1981
Burley

N Hants : Rare

Specimen from a damp meadow in Hb.AB held at BM.

Ashford Hill SU5562 1984
Meadows

***Taraxacum stenacrum* Dahlst.** **Linear-lobed Dandelion**

1975-1998

National Status: Unlisted, Not Scarce, Native

S Hants: Not Recorded

N Hants: Rare

Native

The following records are all supported by expertly-determined specimens.

Watership Down SU4856 1975

Ropley Station, E of SU6332 1998

Ropley Station, E of SU631325 03-May-98 ARGM & DBr Pressed specimen det. AAD on 6 Dec 1998.

North Warnborough SU7252 1978
Green

Hazeley SU7460 1978

***Taraxacum subbracteatum* A.J. Richards** **Dark-bracted Dandelion**

1971-1977

National Status: Unlisted, Not Scarce, Endemic

S Hants: Not Recorded

N Hants: Rare or Scarce

Native

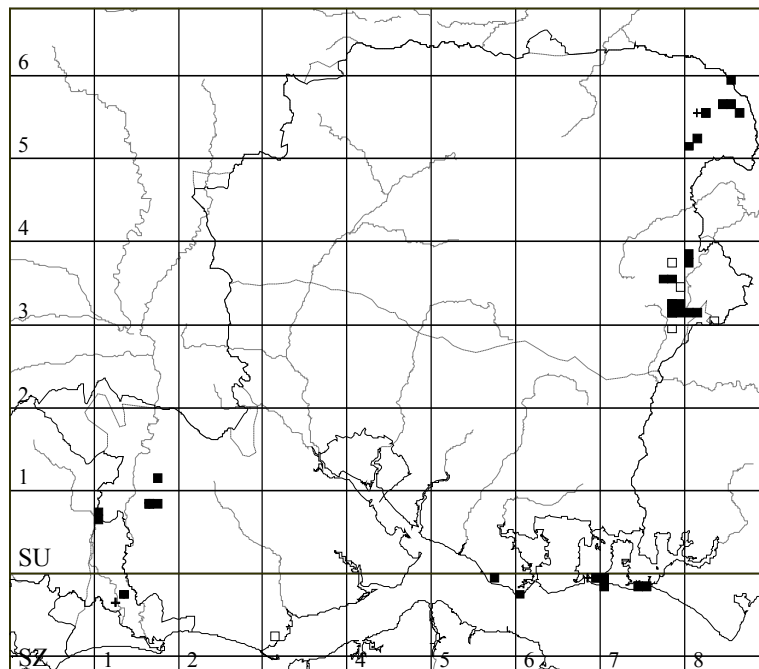
All the following records were made by AB, who was an enthusiastic dandelion hunter, and most were expertly determined by AJR. No doubt this species still occurs at most of these sites (and probably at many others) but to re-find them, and other dandelions, it requires someone new within Hampshire to take a close interest in the genus.

Mapledurwell Fen	SU6752	1972
North Warnborough Green	SU7252	1975-1977
Odiham Common	SU7452	1977
Hogmoor Inclosure	SU7834	1971
Crookham Village	SU7953	1975
Standford	SU8134	1974
Lodge Pond	SU8142	1977
River Wey, N of	SU8238	1975

***Teesdalia nudicaulis* (L.) W.T. Aiton**

**Shepherd's Cress
1828-2010**

National Status: Near Threatened, Not Scarce, Native



S Hants: Scarce

Native

Open sandy ground by the sea and in the Avon valley, varying in quantity from year to year and only occasionally in large numbers. Also recorded in the Iford area (SZ19L), Ebblake area (SU10D), and Bassett (SU41). Most of the sites listed below also have unlocalised 19th or early 20th century records in the general vicinity.

Sopley Common	SZ1397	1954-1997		
Sopley Common, Hurn	SZ132972	1964	ESH	[Undated, betw. 1964 & '79 ? – DRA] Matchams La... nr Hurn. "take the first road on left (towards the Ringwood-Sopley road). Where the trees on left peter out, there is a small place where you can just get a car off the road... a short distance from this 'lay-by' – more or less opposite where trees begin on the right of the road, ... is on the bank... S. Haines".
Avon Causeway, Sopley Common	SZ132973	22-Apr-88	PS & JO	Roadside bank and flat bare sand above. W. end of Causeway, where road passes thro' cutting, on N side. Also above bank.
Sopley Common	SZ134974	01-Jul-97	JCre	N verge of Avon causeway. Several groups.
Avon Causeway, Sopley Common	SZ134975	1970	JHL	c.1970. Site as 'Sopley Common'.

Rockford Common	SU1608, SU1708	1931-2007		
Rockford Common	SU164083	21-Apr-07	PM	30 flo. plants on sandy bank of Moyles Court sandpit at SU 1644 0839.
Rockford Common	SU164084	21-Apr-07	PM	35 flo. plants at SU 1644 0840 + 20 flo. plants at SU 1645 0841. Both groups on sandy banks of Moyles Court sandpit.
Rockford Common, Rockford	SU165082	1990	JO	Top of sandy pit & by path between banks. Very local, plentiful over 10m.
Rockford Common	SU165085	21-Apr-07	PM	At least 120 flo. plants on sandy bank on S. side of road to Linwood at SU 1659 0850.
Rockford Common, Rockford	SU166084	12-Jun-87	RPB	Dry sandy roadside banks, S of road. Very local, sparse in 2 plots at ends of 140m extent.
Rockford Common, Rockford	SU167085	12-Jun-87	RPB	See above.
Rockford Common	SU171084	01-May-88	RPB	HBIC record. Frequent, SU1715 840.
Ibsley Common	SU1711	1988		
Ibsley Common	SU175115	01-May-88	RPB	HBIC record. Rare.
Keyhaven	SZ3192	1971		
Browndown	SZ5799	1929-2009		
Browndown Ranges SSSI	SZ578992	06-Apr-02	JAN & DRA	Not counted but frequent and patchily abundant in surprisingly rough ground, with : <i>Agrostis curtisii</i> , <i>Rumex acetosella</i> , <i>Teucrium scorodonia</i> , <i>Cerastium glom.</i> , <i>C. diff.</i> , <i>Silene nutans</i> .
Browndown Ranges SSSI, N	SZ578993	06-May-01	DRA	SZ57829934. Counted 500 in small area, but estimate total population to be 1000-1200 plants.
Browndown Ranges SSSI, N	SZ578993	05-Apr-09	JAN & DRA	SZ 5782 9934, acid grassland, 3 or 4 tiny plants, only just in flower, less than 3cm high.
Gilkicker	SZ6097	1996-2010		
Gilkicker Point	SZ605975	05-Mar-10	DRA, JAN & EJC	SZ 6055 9751, S of Golf course. 30+ tiny basal rosettes (diam. 25-30mm), leaves 6-15mm long with large end-lobe. On low S-facing, bank, ± under <i>Ulex europaeus</i> bushes.
Gilkicker	SZ605976	30-Apr-07	JAN & DRA	SZ6056 9761, S of Golf Course fence. On low bank below burnt Gorse (<i>Ulex europaeus</i>) bushes, 64 plants with flowers, fruit & buds on barish sandy soil with <i>Aira praecox</i> & <i>Lepidium heterophyllum</i> .
Gilkicker Point (Fort)	SZ607974	08-May-03	DRA, EJC & DPJS	60, nearly all dead now, N of track, on sandy bank below gorse, S of golf course, with <i>Lepidium heterophyllum</i> in flower, and <i>Aira praecox</i> in fl.
Gilkicker	SZ607975	06-May-96	DRA	E of the Fort.
Fort Cumberland	SZ6899	1930		
Sinah Common, Hayling	SZ6999, SZ7098, SZ7099	1960-2008		
Sinah Common, Hayling Island	SZ690994	02-May-60	AWW	Sinah dunes.
Sinah Common Golf Course & Beach	SZ690995	01-Apr-97	EAP	
Sinah Common Golf Course, Hayling Island	SZ693995	1979	EAP	Nr 12 th hole nearer green in middle and around bunker of 17 th . Also rec. by DWF by 5 th green.
Sinah Common	SZ694993	01-Jun-78	FR	HBIC record.
S of Pitch & Putt course on S Hayling	SZ704989	01-Apr-05	JRWH	First flowers found here on Apr 1 – going to seed by Apr 22. On north bank of main path close to mini golf course opposite west end of bushes on south side.
Sinah Common E	SZ704990	13-Jun-00	DRA, EJC & JRWH	Shown site by R Hollins, N side of track more/less opp. the last Holm Oak (E of the Petrorrhagia), finished flowering and fruit dropped, on sandy soil bank with <i>Aira caryophyllea</i> and <i>praecox</i> .
South Hayling	SZ705989	11-Apr-99	JRWH	Several plants flowering on small mound north of broad path south of mini-golf course (just west of small Holm Oaks on south of path).
Havant Hayling Sinah Common	SZ7098	03-May-08	JRWH	North side of path outside south of mini-golf course at west end of bushy area.

Sandy Point, Hayling SZ7498, SZ7598		1979-2003		
Black Point, Hayling Island	SZ749989	1979	EAP	
Sandy Point	SZ750981	01-May-80	FR	HBIC record.
Sandy Point NR, Hayling Island	SZ750982	1996	FR	
Sandy Point, Eastoke	SZ750983	10-May-03	HFG	Scattered in short turf of fenced strip E of nature reserve.

N Hants: Infrequent

Native

Confined to dry sandy soils on the Thames Basin heaths or the Lower Greensand heaths around Woolmer Forest. A spring ephemeral that can sometimes be abundant enough to carpet the ground with flowers looking like a sprinkling of snow. It is dependent on quite bare areas and is soon lost with increasing competition.

***Tepbroseria integrifolia* (L.) Holub subsp. *integrifolia* Field Fleawort 1770-2010**

National Status: Endangered, Scarce, Native

NERC S41

UK BAP Priority Species

S Hants: Scarce

Native

On chalk grassland, never common and now almost confined to steep banks where the turf remains short and unploughed. It has disappeared from several sites and declined to vanishingly small numbers in others, even when they are under conservation management, so that only Martin Down now holds really large populations. Also formerly recorded at Vernditch Chase (SU02F), on Breamore Down (SU10F), near Critchell's Green, Lockerley (SU22X), near Mottisfont (SU32), the Twyford Down / St Catherines Hill area (SU42Y), Portsdown (SU60), and War Down (SU71J).

Martin Down W SU0418, SU0419		1963-2008		
Martin Down NNR	SU040194	29-May-07	DHa & JEWi	1 at SU0407 1948.
Martin Down, Martin Bokerley Ditch, Martin Down	SU040195 SU042191	04-Jun-05 29-May-07	ARGM DHa & JEWi	SU04033 1953. 7 at SU0423 1919. 4 at SU0423 1917. 2 at SU0425 1915. 5 at SU0426 1914. 6 at SU0426 1913. 4 at SU0427 1911.
Bokerley Ditch, Martin Down	SU042192	04-Jun-05	ARGM	310 flowering plants beside main path along Bokerley Ditch between SU0421 1927 and SU0435 1900, but most concentrated at SU0433 1903.
Bokerley Ditch, Martin Down	SU042192	29-May-07	DHA & JEWi	2 at SU0421 1923. 2 at SU0422 1926. 11 at SU0422 1922. 11 at SU0423 1920.
Bokerley Ditch, Martin Down	SU043190	04-Jun-05	ARGM	310 flowering plants beside main path along Bokerley Ditch between SU0421 1927 and SU0435 1900, but most concentrated at SU0433 1903.
Bokerley Ditch, Martin Down	SU043190	07-Jun-08	HFG	Extending from SU0404 1921 to SU0434 1902.
Martin Down	SU045188	07-Jun-08	HFG	At SU04597 18871 and SU04563 18888.
Martin Down E SU0518		1963-2009		
Martin Down	SU050189	25-Aug-91	AjBa & LBa	
Bokerley Ditch, Martin Down	SU051183	30-May-09	HFG	At SU0518 1832, SU0517 1834, SU0516 1838.
Bokerley Ditch, Martin Down	SU051184	30-May-09	HFG	At SU0513 1843.
Bokerley Dyke, Martin Down	SU051185	30-May-09	HFG	At SU0511 1858.
Martin Down	SU051187	30-May-09	HFG	At SU0519 1873.

Bokerley Ditch, Martin Down	SU052182	02-Jun-07	PM	108 flowering stems from SU0532 1820 to SU0512 1848.
Bokerley Ditch (Dyke), Martin Down	SU052183	29-May-07	DHa & JEWi	6 at SU0520 1831.
Martin Down	SU052187	30-May-09	HFG	At SU0529 1877.
Bokerley Ditch, Martin Down	SU053182	29-May-07	DHa & JEWi	31 at SU0530 1822. 12 at SU0532 1821.
Martin Down	SU053186	24-May-09	MR	At SU0532 1869.
Martin Down NNR	SU053187	14-Aug-87	ENa	HBIC record. Rare.
Martin Down	SU054185	25-May-07	DHa & JEWi	5 at SU0547 1854.
Martin Down	SU054188	31-May-00	FR	
Martin Down	SU056182	25-May-07	DHa & JEWi	1 at SU0567 1826.
Martin Down	SU056186	30-May-09	HFG	At SU0563 1863.
Tidpit Common Down	SU0701	1964		
Broughton Down	SU2832, SU2833, SU2932	1965-2003		
Broughton Down.	SU288327	Jun-86	FR & PB	SU288327 – 288333. Along and on the sides of old grass trackway. Very local, 12 + 1 flg plants.
Broughton Down	SU288333	Jun-86	FR & PB	SU288327 – 288333. Along and on the sides of old grass trackway. Very locally plentiful, 163 flg plants.
Broughton Down SSSI, LNR.	SU289332	05-Aug-87	EN	
Broughton Down HWT reserve: comptmt 4	SU290329	26-May-88	RPB	3 small flowering plants in turf at foot of tumulus mound, on south-east side.
Broughton Down	SU295327	1975	JWh	Local, fair quantity.
Violet Hill	SU4127	1970		
Deacon Hill, Chilcomb	SU5027	1965		
Fawley Down	SU5226	1984		
Beacon Hill, Warnford	SU6022	1978-2005		
Beacon Hill, Warnford	SU607225	28-May-05	MR	Several plants in flower on bank at E lip of hollow-way.
Beacon Hill, Exton	SU607227	1996	FR	On old earthwork to N. 'Also good in 1996', FR.
Old Winchester Hill	?SU6320, SU6420	1951-2000		
Old Winchester Hill NNR	SU639205	1997	FR	Main earthwork of Iron Age camp. R. 2 plants. (Also MF, n.d.). [Grid ref on record is SU649205 but this must be wrong. Possibilities are SU639205 to SU642205.]
Old Winchester Hill NNR	SU645207	28-Aug-00	MF	HBIC record. Rare.

N Hants: Scarce

Native

In very short turf on chalk downland, typically on the crests of hills or ancient earthworks protected from agriculture. The records demonstrate a continuing decline.

Shipton Bellinger	SU2345, SU2445	1981		
Thrupton Hill	SU2443	1969-2008		
Cholderton Estate, Reservoir Field,	SU244437	30-Jun-08	JRM	Five plants around SU2451 4371.
Thrupton Hill	SU245437	2000	MFW	Downland at Thrupton Hill.
Thrupton Hill	SU245438	26-Jul-00	VR	HBIC record. SU2455 4380.
Cholderton	SU2543	2000		
Cholderton Water Works	SU259437	11-Jun-00	BGo & JGo	11 plants on downland.
Quarley Hill	SU2642	1963-1964		

Danebury	SU3237, SU3337	1958-1978		
Leckford Leckford, Juniper Bank	SU3636 SU3636	1967-1997 15-Jun-97	BGo & JGo	A single plant, not re-located since.
Leckford old chalk pit	SU365366	26-May-67	RPB	Recorded as <i>Senecio integrifolius</i> . Sloping chalk down. Local, few plants.
Stockbridge Down	SU3735, SU3734, SU3834	1968-1982		
West Down, Chilbolton	SU3838	1972-1987		
Testcombe Down, Chilbolton	SU3838	12-Jun-72	ECW, FR et al	
West Down, Chilbolton	SU384389	1972	FR	
West Down, Chilbolton	SU387391	27-Jul-87	ENa	HBIC record.
Flower Down, Littleton	SU4631	1842		
Old Burghclere Lime Quarry	SU4757	1979		
Ladle Hill	SU4756	1961-2010		
Ladle Hill	SU477567	May-02	WGH	30 plants on earthwork at crest of hill.
Ladle Hill	SU477568	24-Jul-05	PBi & HFG	1 at SU47775681, 2 at SU47805688, but flowers gone over.
Ladle Hill, Sydmonton	SU478567	30-Jun-09	SBal	In quite good numbers, but just finished flowering.
Ladle Hill	SU478568	13-Jun-10	SBal	Many plants scattered over area. Report to PBi by email 21/7/10
Ladle Hill	SU479567	06-Jul-03	WGH	A few on earthworks at top of Ladle Hill with <i>Orchis ustulata</i> [now <i>Neotinea ustulata</i>].
Ladle Hill	SU479568	May-02	WGH	30 plants on earthworks.
Cheesfoot Head	SU5327	2000		
Cheesfoot Head	SU530279	19-Oct-00	SCe	HBIC record.
Gander Down, Cheriton	SU5527	1969		

***Teucrium botrys* L.**

Cut-leaved Germander 1911-2010

**National Status: Unlisted, Rare, Doubtfully Native
WCA Schedule 8**

S Hants: Not Recorded

N Hants: Rare

Neophyte

The main colony is on bare exposed chalk heaps made when a railway tunnel was excavated in the 1840's. It is still plentiful there on both sides of the railway though, as noted in the 1996 *Flora*, not as plentiful as in 1927 when it was described as "enormously plentiful....for quite a mile northwards, covering the chalk spoil banks wherever they exist". The two other extant sites are on chalky arable field edges. At Augurs Hill Copse it has declined from 570 plants in 1996 and 396 in 1997, to 8 in 2008 and none in 2009.

Abbotts Ann, N of	SU3245	1999-2008		
Abbotts Ann, N of	SU328451	05-Jul-05	GKn	5 plants along N margin of sprayed set-aside field between railway lines.
Little Park (Abbotts Ann) field F16, between railway lines	SU329451	01-Oct-08	JRM	25 plants near NW field corner, on N headland, plants of varying size and maturity.

Augurs Hill Copse, near	SU3842, SU3843	1933-2008		
Augurs Hill Copse, field SE of	SU381427	15-Aug-06	JRM	7 plants in field SE of Augurs Hill Copse, SU3812 4279.
E. of Andover (Upping Copse)	SU382425	1978	Sy	Grid ref. queried, and altered from 362455 to 382425.
Nr Augurs Hill Copse	SU383428	25-Aug-00	ARGM & BGo	1 at SU3836 4284 (also 3851 4282, 3836 4284, 3849 4288 & 3861 4280 see separate records). Narrow strip on north side of field, adjacent to Augurs Hill Copse.
Augurs Hill Copse, Harewood Forest	SU384428	25-Aug-00	ARGM & BGo	1 at SU3849 4288.
Augur's Hill Copse, Wherwell	SU384432	1994	JRM	Wherwell, arable stubble.
Field adjoining Augurs Hill Copse (Demolition Field)	SU385428	05-Aug-08	JRM	3 at SU3833 4285, 2 at SU3850 4287, 3 at SU3862 4279 mostly small plants.
Augurs Hill Copse, Harewood Forest	SU386427	1991	MFW	Along margin of field beneath Augurs Hill Copse.
Augurs Hill Copse, Harewood Forest	SU386428	25-Aug-00	ARGM & BGo	2 at SU3861 4280.
Freefolk Wood, near	SU4944	1942-1961		
Micheldever Spoil Heaps	SU5143, SU5144, SU5244	1940-2010		
Micheldever Spoil Heaps	SU519443	02-Jul-96	EAP & EJC	Widespread on the site, usually on slightly sloping ground towards the edge of the spoil heaps, e.g. plentiful at SU5196 4439.
Micheldever Spoil Heaps	SU519444	05-Jul-09	ARGM	Noted in many places, e.g. SU5197 4444, SU5196 4445, SU5198 4440, SU5196 4446 and SU5199 4446.
Micheldever Spoil Heaps	SU519444	19-Jul-10	GKn	Not counted but reasonably abundant on SW end of main spoil heap area.
Micheldever Spoil Heaps	SU519445	05-Jul-09	ARGM	Noted in many places, e.g. SU5197 4450, SU5198 4450 and SU5199 4450.
Micheldever Spoil Heaps	SU519446	16-Jun-91	HFG	[Grid ref. deduced from annotated map] 3 Locations marked at 519446, (& 519445, & 520443).
Micheldever Spoil Heaps, N of, W of railway	SU519448	22-Jul-00	ARGM	SU5192 4480. Bare chalk spoil-heaps beyond HWT reserve. 78 plants widely scattered in area 400m x 40m.
Micheldever Spoil Heaps	SU520442	04-Sep-53	HJMB	c.1,000 plants.
Micheldever Spoil Heaps	SU520443	13-May-08	NM	
Micheldever Spoil Heaps HWT reserve	SU520444	12-Aug-04	DRA, EJC & JPol	60 plants near the gate, c.20m from road.
Micheldever Spoil Heaps	SU520445	05-Jul-09	ARGM	Several plants in the car park area at SU5206 4450.
Micheldever Spoil Heaps	SU520449	08-Jun-05	MEdw & ARGM	1 at SU5200 4495. Hundreds (not in flower) scattered in various parts of reserve. More detailed and localised counts by MEdw on 26 Jul 2005 gave 344 flowering & 971 non-flowering in whole reserve.
The Scrubs, Micheldever Spoil Heaps (N of Popham Beacons)	SU521440	06-Jul-83	PS & JO	N of Micheldever Station. Embankment of new road by flyover.
Micheldever Spoil Heaps HWT reserve	SU521443	1987	PHR	
The Scrubs, nr Popham Beacons	SU521444	1974	GHF	

National Status: Scarce, Native**S Hants: Scarce**

Native

In alder carr, usually in valley mires on the Forest where there is some movement of base-rich water. Formerly also recorded from White Moor (SU20E), upstream of its more recent locations.

Holmsley	SU2300	1956-2009		
Holmsley Station, Burley	SU230006	25-Aug-56	FEWV	Small boggy alder carr, on sphagnum. VL pl in sm. area.
Holmsley	SU230007	16-Jun-08	MBe	Two large stands at SU23047 00715 and SU23053 00706, together covering c. 100 sq. m. On 29/7, beginnings of sporangia evident on at least two fronds.
Holmsley	SU230007	17-Jul-09	BGo & NM	Compact patch c. 10 m x 10 m.
Holmsley	SU231006	01-Jul-97	NMR	Alder Carr behind railway station. Still plentiful.
Fort Bog	SU3208, SU3308	1882-1960		
Matley Bog	SU3307	1999		
Beaulieu Rd	SU340076	07-Sep-99	MEY	Matley. Good clump.
Longdown	SU3608	1957-2006		
Long Down, Ashurst Walk	SU360084	21-May-57	RPB	Northern tip of alder swamp inside Incl. Locally plentiful. Info. sent to Dep. Surv. of the New Forest (1958) with plea... new Longdown Incl... No felling of alders took place during the enclosure... appears to be reasonably well safeguarded.
Longdown Inclosure, Long Down	SU360085	21-Jul-94	RPB	Alder – willow carr N end. Very locally abundant.
Longdown Inclosure	SU361085	05-Aug-06	PAB	Covering about 90% of an area 50m x 40m in the east of the Inclosure between SU3610 0855 and SU3607 0853, under Salix and Alnus. No sign of spore production.
Nightingale Wood, Rownhams	SU3717	1952-1992		
Nightingale Wood, Rownhams	SU375176	20-Jun-84	RPB	SU375176 – 375177. Alder carr on flushed sides of valley of stream. Very locally plentiful over c.55m.
Nightingale Wood, Rownhams	SU375177	20-Jun-84	RPB	See above.
Nightingale Wood, Rownhams	SU375178	12-Aug-52	RPB	SU375178 etc. c.1/4 mile extent of marshy wooded stream, esp. on sphagnum. Locally abundant..
Nightingale Wood, Rownhams	SU376176	18-Jun-92	RPB	Alder carr in valley on flushes along stream. Very locally plentiful over 22m.
Nightingale Wood	SU377175	18-Jun-92	RPB	See above.
Dibden Bottom	SU3906	1951-2006		
Dibden Bottom, nr Applemore	SU394064	22-Sep-06	MR	Locally frequent.
Dibden Bottom, nr. Applemore	SU394065	08-Jun-51	RPB	Dense willow swamp in moorland. Locally plentiful. Source : SNHS Ecol. Rep. 1951. RPB.
Dibden Bottom, nr Applemore	SU395064	23-Sep-06	HFG	Frequent to locally dominant over almost entire length of carr in field layer from SU39435 06480 to SU39554 06448.
Dibden Purlieu Area	SU396064	06-Jul-99	MEY	Dibden Bottom.
Blackwell Common	SU4301	1958-1999		
Dark Water, Blackwell Common, Exbury	SU435012	08-Jul-77	RPB	Willow carr along stream. Very locally plentiful.
N of Darkwater	SU435014	15-Jun-99	AEB & CR	Wet woodlands.

Fields Heath, Fawley	SU4501, ?SU4502	1953-2007		
Fields Heath, Fawley	SU453019	28-Jun-53	RPB	Dense willow scrub surrounded by reedswamp. Fields Heath valley, north of Mopley Pond. Locally plentiful.
Fields Heath, Fawley	SU454018	19-Jun-90	RPB	Willow carr in valley bog N of pond. Very local, fairly plentiful.
Fields Heath East	SU454020	10-Jul-07	ILR	HBIC record. Rare. [This grid reference may not be precise, but is plausible.]

Petersfield SU7422 1633

N Hants : Scarce

Native

Part-shaded in very wet alder-carr at pond edges, or in shady, seasonally-flooded parts of fens or springs.

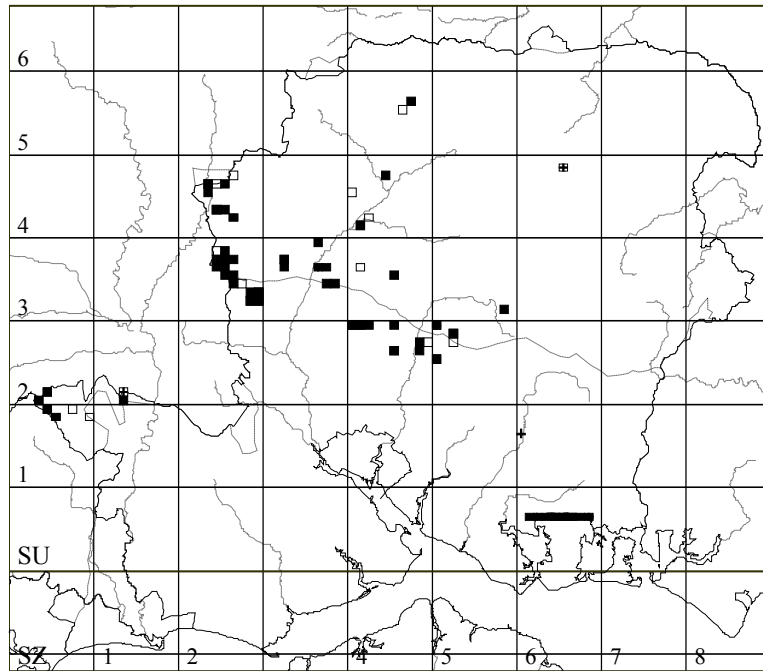
Greywell Moors	SU7150, SU7151, SU7250, SU7251	1969-2010		
Greywell	SU7151	25-May-98	FR	Very abundant.
Greywell Fen	SU718507	02-Aug-95	ILR	HBIC record.
Greywell Fen	SU718509	14-Jun-69	RPB	River Whitewater, Greywell. Fen carr. Locally plentiful.
Greywell Moors HWT reserve	SU719509	1992	FR	River Whitewater, Greywell. Fen carr. FR to 1992.
Greywell Moors	SU720509	10-Jun-07	ARGM & HFG	Abundant over a large area.
Greywell Moors	SU720510	19-Jul-10	ARGM	Abundant at SU7203 5109 but also extending over a wide area from there.
Greywell Moors HWT reserve	SU720511	1992	FR	Greywell Marshes.

Itchel Mill Springs	SU7849	1991-2002		
Pond N of Itchel Home Farm, Croadall	SU784499	26-Jul-02	CRH	Only 33 fronds now, shaded and overgrown. Last seen here in 1991 when more plentiful.

Conford Moor	SU8133	1939-1998		
Conford Moor	SU819332	02-Aug-98	ARGM	SU819332½, large colony in carr amongst Carex paniculata.
Conford Moor, Conford	SU821332	1997	AB	In alder carr by stream.

Fleet Pond	SU8154, SU8254	1994-2007		
Fleet Pond (W), Grasmere	SU818549	21-Sep-04	CRH	SU8183 5498, c.400 ferns in reedbed, W side of pond, confirmation of third Fleet Pond location.
Fleet Pond	SU819548	13-Aug-02	CRH	Thousands SU8195 5485 to 8200 5495 in Brookly reedbeds, Hb.ARGM.
Fleet Pond S	SU820548	13-Aug-02	CRH	SU820548 & elsewhere. Now spread very considerably, main colony estimated 70m x 20m, irregular shape. Total fronds must be 5,000 – 10,000.
Fleet Pond S	SU820549	13-Aug-02	CRH	SU820549 & elsewhere. Now spread very considerably.
Fleet Pond, nr Fugelmere Road	SU821548	13-Aug-07	CRH	Very locally abundant near water's edge at SU8218 5487, increased since 2002 and now extending c.17m.

National Status: Scarce, Native



S Hants: Infrequent

Native

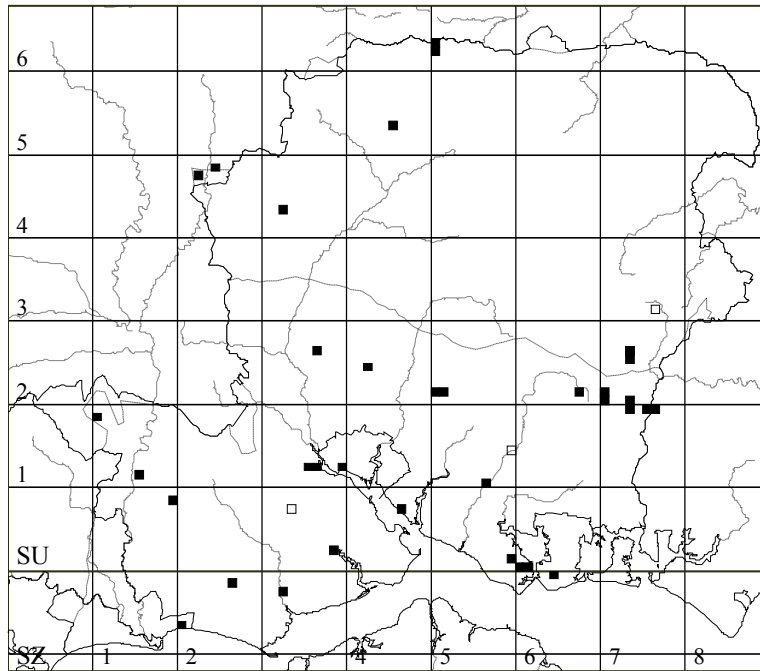
Still reasonably plentiful where conservation-oriented management preserves a good short sward on chalk grassland. Although never quite as widely recorded as in north Hampshire, it is lost from a number of places as a result of agricultural changes or loss of grazing on isolated sites.

N Hants : Infrequent

Native

Semi-parasitic on grasses in very short turf on chalk downland. Many sites have been lost due to agriculture but it still has a stronghold in the central chalk belt straddling the VC11/VC12 border, with a bias to the west.

National Status: Scarce, Native and Introduced



S Hants: Infrequent

Native and Neophyte

Infrequently but widely introduced. The table below gives sites where it has been considered probably native, which are all on the South Downs in the eastern part of the county.

Site Name	Grid Reference	Year	Observer	Description
Sladford's Copse, Owslebury	SU5121	2010		
Sladford's Copse, Owslebury	SU517212	28-Jun-10	JMill	"A once coppiced stool, not especially mature around 10m in height. The leaves are hairy above and the twigs are downy. The tree was found in the middle of Sladford's Copse, near Owslebury, SU 5177 2127. The site is an ancient woodland which has been regularly coppiced for around 50 years and is in active management. The tree was found near a ride but only oak saplings have been planted recently so I do not believe it has been introduced."
Duncombe Wood	SU6721	1995-1998		
Duncombe	SU673213	21-Jul-98	RPB	Duncombe Cottage. One multistemmed Stool.
Duncombe Wood	SU673214	1996	FR	One very large coppice-stool.
Duncombe Wood, SW of East Meon	SU674213	21-Aug-98	FR & DBa	Stool just below the public path.
Oxenbourne Lyth	SU7020, SU7021	2009		
Oxenbourne Lyth	SU705210	01-May-09	JMill	In the middle of the wood, at SU 7056 2100 is a Tilia specimen of 5 trunks in a circle. The circle is approx. 17m in girth. The trunks are approx 25 m high. The leaves range from 4cm to 9cm across with a good proportion over 6cm. The uppersides of the leaves are downy and the lower sides hairy with pale hairs in the axils. The twigs are also downy, even the last year's growth. Many of the leaves are notably assymetrical.
Oxenbourne Lyth	SU706209	01-May-09	JMill	At SU 7061 2098 there is a single trunk specimen of Tilia which I also suspect to be T.platyphyllos. The leaves had a similar arrangement of hairs but in general were smaller and less obviously assymetrical. This tree could possibly be a hybrid as at SU 7030 2123 and SU 7024 2127 there are some fine Tilia cordata specimens.

Queen Elizabeth Country Park	SU7320	1995-1998		
Queen Elizabeth Country Park	SU733204	21-Aug-98	FR & DBa	SU7330 2040. By path along foot of scarp just inside wood from farmland below beech planted scarp. 4 trees, 2 over large old coppice-stools, one 4m across, with 3 large stems, the other 2 stems, 2 other maiden trees, fruiting present, 2 at least good platyphyllos, foliage of others more equivocal, possibly T. platyph. x T. cordata, but no certain hybrids seen. Old woodland ground flora present – list on card.
Queen Elizabeth Country Park	SU734200	21-Aug-98	FR & DBa	SU7345 2007. Escarpment woodland on chalk. 4 trees at NW side of lane up hill, one visible from road, 3 others a little further in near public footpath, all ? maidens, fruits present.
Queen Elizabeth Park – N. edge, Buriton	SU734201	21-Aug-98	FR & DBa	2 trees (actually 4) 1 young tree on verge of lane, 1 mature tree set back from road.
S of Buriton	SU735201	13-May-95	PS	SU735201 ['1' of GR is queried] 'Escarpment S.W. of Buriton. Old woodland at base of scarp. 1 young tree on verge of lane. 1 mature tree in old woodland at base of scarp.

The Miscombe, Buriton	SU7519, SU7619	1989-2009		
The Miscombe	SU756197	28-May-09	JMill	HBIC record. Rare.
The Miscombe	SU762195	03-Dec-90	RCS, HM & FR	One old tree by road.
The Miscombe, Buriton	SU762196	03-Aug-91	RPB & FA	Det. FR 1991, & CDP 19.12.1991. Beechwood on steep N-facing scarp N of road. 'Three short-trunked pollards in group about halfway down wooded slope of c.20%, measuring at 1m from base respectively: 180cm, 145cm, 173cm circumference. These are situated 50-60m W of hair-pin bend in road ' - RPB.
Buriton	SU762196	22-May-92	ARGM	Photos taken at about SU762½196 right on the VC11/VC13 border.

N Hants: Scarce

Native and Neophyte

The only trees with a possible claim to be native in VC12 are those in the hangers at Stoner Hill. All the others were certainly planted.

South Tidworth	SU2247	1987		
South Tidworth	SU225475	1987	MFW	Alongside Sports Field.
Perham Ranges	SU2448	1987		
Perham Ranges	SU248480	1987	MFW	Single tree amid scrub.
Abbotts Ann	SU3243	2008		
Bridge Meadow, Abbots Ann	SU329438	16-Jun-08	JRM	Planted.
Dunley	SU4553	2009		
Dunley	SU456531	31-Jul-09	ARGM	Row of recently planted Limes, of various taxa including this one, between SU4564 5309 and SU4555 5320.
Headley, W of	SU5062, SU5063	2009-2010		
Headley, W of	SU507623	30-Jul-09	ARGM	A planted row of c.30 Limes at SU5076 6235 have T. platyphyllos amongst T. x europaea. This planting continues further north with more trees at SU5075 6271 that are probably all T. x europaea.
Aldersbrook, Headley	SU507630	25-Jul-10	ARGM & HFG	A planted avenue of mature limes extends for several hundred metres south from SU5073 6306. Most are T. x europaea but some appear to be T platyphyllos.

Ashford Hanger, Stoner Hill	SU7325, SU7326	1984-2003		
Stoner Hill/Ashford Hangers, Petersfield	SU734258	20-May-01	ARGM, BGo & JGo	Hb.ARGM, 2 huge coppiced trees at SU7346 2588, found by DBa in 2000 (and also nearby at SU736260 and SU736261) and confirmed by FR.
Ashford Hangers NR	SU734262	20-May-01	BGo & JGo	Two ancient coppiced trees, one with 4 trunks, one with 3, c.80m from road along track.
Stoner Hill, Steep	SU735258	2001	DBa	Ancient coppice growing on steep bank above ancient track to Froxfield. [Northing queried on record – 259?] Conf. FR & CDP.
Ashford Hangers NNR	SU736260	2001	DBa	Ancient coppice stool on steep bank above arable field. Conf. FR & CDP.
Ashford Hanger	SU736261	2001	DBa	Young tree about 100 years old, has been coppiced once. Maiden about 60/70 years old. Conf. FR & CDP.
Ashford Hill & Beryfield Hanger	SU735263	07-Feb-03	DBa	HBIC record.
Le Court Hanger	SU7631	1986		

***Torilis arvensis* (Huds.) Link**

Spreading Hedge-parsley 1664-2010

National Status: Endangered, Scarce, Archaeophyte
NERC S41
UK BAP Priority Species

S Hants: Scarce

Archaeophyte

Described by Townsend as “not uncom., and often abundant”, it is now a very rare arable plant indeed, although quite persistent in small numbers in at least one site. Recorded in the past from south Eastleigh (SU412N), Hursley area (SU42H), Olivers Battery (SU42N), Colden Common (SU42V), Cams (SU50X), Portsdown (SU60), the Chalton area (SU71H, SU71I), and the Petersfield area (SU72L); and noted near Beaulieu, Romsey, Shirley and Swanwick.

Carters Farm, Norleywood	SZ3597	1999-2005		
E of Carters Farm, Norleywood	SZ358974	26-Jul-05	MWR	Edge of harvested grain field, by footpath, SZ3586 9744.
Nr Carter’s Fm, Norleywood	SZ359973	26-Jul-99	MWR	
Tanner’s Lane	SZ3695	1960		
Lee	SU3617	1950-1956		
Manor Farm, Botley	SU5011, SU5111	1987-2008		
Manor Farm Country Park A	SU505115	23-May-02	PAB	Close to original site, last seen at SU509116, 1987.
Upper Hamble Country Park, Botley	SU509116	1987	MJS	Upper Hamble Country Park, 6-8 plants, Watsonia 18:220.
Manor Farm Country Park	SU510118	04-Aug-08	JAN	Recently re-found by Trevor Codlin. One plant in shady corner, next to chicken pen in farm area.
Downbarn Farm, Wallington	SU5807	1959		
Boarhunt	SU6109	1991		
Boarhunt	SU612092	1991	JRow	Boarhunt, corner of cereal field, quite a lot, unherbiced farm.
Millers Coppice, Southwick	SU6407	1982-1983		
Heberdens, Rowlands Castle	SU7114	1959-1964		
Wade Court, Langstone	SU7205	2010		
The Old Farm House, Wade Court	SU721053	29-Jul-10	MR, JRWH & GCo	Subsp. arvensis. 8 plants, garden weed.

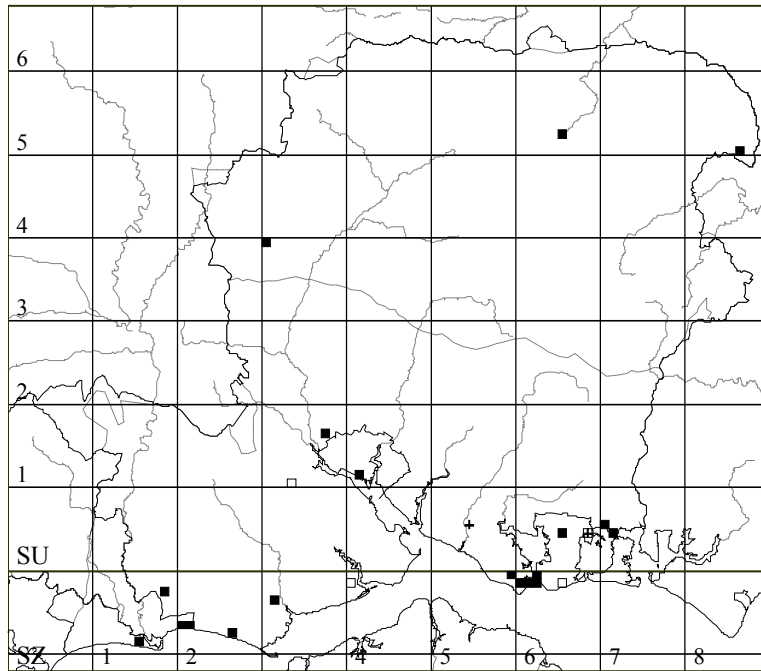
N Hants: Scarce

Archaeophyte

We are reasonably sure that at least the Crondall plants (and probably all the VC12 plants) are *T. arvensis* subsp. *arvensis* and not the alien *T. arvensis* subsp. *neglecta*. The latter is distinguished by a taller, laxer habit, with longer styles 3-6 times as long as the stylopodium, and more distinctly radiate external florets.

Red Hill, nr. Wherwell	SU3740	1951		
Southside Farm, Longparish	SU4343, SU4443	1986-2005		
Southside Farm, Longparish	SU436433	08-Jul-05	ARGM & WGH	Plentiful in wide headland strip from SU4366 4334 to SU4409 4367 on SE side of metalled track, but most abundant at SU4393 4352.
Longparish, Southside Farm	SU437433	2004	PJW	Abundant at Southside Farm from SU437433 to SU443436, surveyed after harvest.
Southside Farm, Longparish	SU438435	08-Jul-05	ARGM & WGH	Plentiful in wide headland strip from SU4366 4334 to 4409 4367 on SE side of metalled track. At least 100 plants.
Southside Farm, Longparish	SU439435	08-Jul-05	ARGM & WGH	Abundant SE of track at SU4393 4352, plus a few on NW side of track at SU4396 4359.
Southside Farm, Longparish	SU440434	1986	PHC & AJB	East of Southside Farm, Longparish. Chalk field, top of gentle SE facing slope, 30 plants.
Southside Farm, Longparish	SU440435	1987	MRe	
Southside Farm, Longparish	SU440436	08-Jul-05	ARGM & WGH	Plentiful in wide headland strip from SU4366 4334 to SU4409 4367 on SE side of metalled track.
Southside Farm, Longparish	SU441435	2004	PJW	
Longparish, Southside Farm	SU441436	30-Jun-01	RHW	Frequent along track edge especially S side back to road.
Longparish, Southside Farm	SU443436	2004	PJW	Abundant at farm from SU443436 to SU437433, surveyed after harvest
Southside Farm, Longparish	SU444434	1987	PHR	c.SU444434. Headland W of track leading to Lodge Farm, Southside Farm.
Roundwood	SU5044	1969		
Field Barn Farm	SU5157	2007		
Field Barn Farm, W of	SU514572	29-Jul-07	ARGM & HFG	A patch 0.5m x 0.3m on arable field edge at SU51470 57264, c.17m east of track junction.
Field Barn Farm, N of	SU517577	02-Aug-07	ARGM & SBal	At least 50 clumps extending SU5178 5777 to SU5175 5778 in field edges and in cracks in adjacent concrete track.
Deane Down Farm	SU5451, SU5550	1962		
Fair Oak, nr. Ashford Hill	SU5561	1993		
Fair Oak, nr Ashford Hill	SU554610	1993	PB	Fair Oak, arable.
Preston Candover	SU5941	1962		
Crondall, S of	SU7947	2008-2009		
Crondall, S of	SU793475	16-Jul-09	ARGM & WGH	Scattered plants at crop edge beside footpath at SU7937 4758 and SU7936 4758.
Crondall, S of	SU794476	13-Jun-09	PS	Growing near a few plants of <i>Anisantha diandra</i> . Grid ref. approximate.
Crondall, S of	SU795476	16-Jul-09	ARGM & WGH et al	Scattered plants at crop edge beside footpath at SU7953 4764 and SU7956 4764.
Crondall, S of	SU795478	16-Jul-09	ARGM & WGH et al	A few plants at SU7956 4781 beside bridleway at crop edge – a new location.
Crondall, S of	SU795479	16-Jul-09	ARGM & WGH et al	Five plants at SU7951 4798 beside bridleway at crop edge – a new location.

National Status: Not Scarce, Native



S Hants: Infrequent

Native

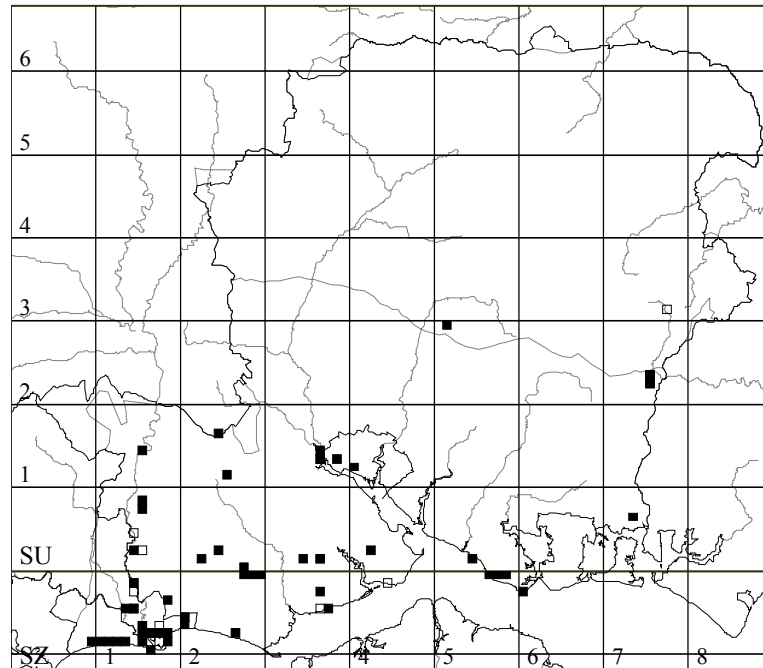
In dry grassy places mostly near the coast, where it appears to be increasing slightly on verges in urban and suburban surroundings.

N Hants: Rare

Native

On dry road banks or grassy road verges. There are also old tetrad-level records for the Basingstoke area, Herriard and Preston Candover.

Middle Wallop Middle Wallop	SU3039 SU305398	1999-2004 06-Jul-04	BGo & JGo	Abundant all along bank on W side of A343, opposite airfield, SU3050 3982.
Basing Basing Fen (Peat Moor)	SU6552 SU6552	1995 25-Jul-95	FR	In dry areas of peat moor to SE of road.
Aldershot Aldershot	SU8650 SU865505	2010 09-Jul-10	FJR	At SU8653 5052 in the lawn of the newish flats on the corner of The Grove and Station Road and more plants all the way along the edge of the grass abutting the building on the side towards the bus station.

National Status: Scarce, Native**S Hants: Not Ranked**

Native

Dry sandy or gravelly turf. Commonest and increasing near the coast especially around Gosport and Christchurch, and in the Avon valley; scattered on the New Forest, where it is often on road verges or banks of car parks and is perhaps transported with introduced material.

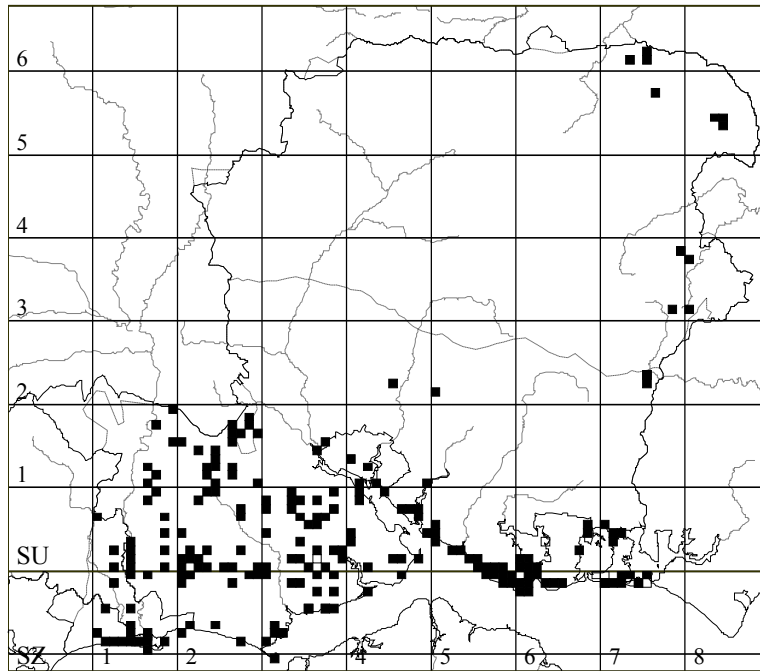
N Hants: Rare or Extinct

Native and Neophyte

The record at Blackmoor was as a wool-shoddy adventive amongst young apple trees. The other site may have been native, but the area has recently been developed.

Morn Hill	SU5129	2002	
Morn Hill	SU518292	11-Jul-02	PAB
Blackmoor	SU7731	1969	

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Common and often abundant on sand or gravel by the coast, in the Avon Valley and on banks and verges in the New Forest; rare elsewhere but it still persists near Petersfield where it was first recorded in 1771.

N Hants: Scarce

Native

On bare, sandy areas or in very short turf on heathland soils.

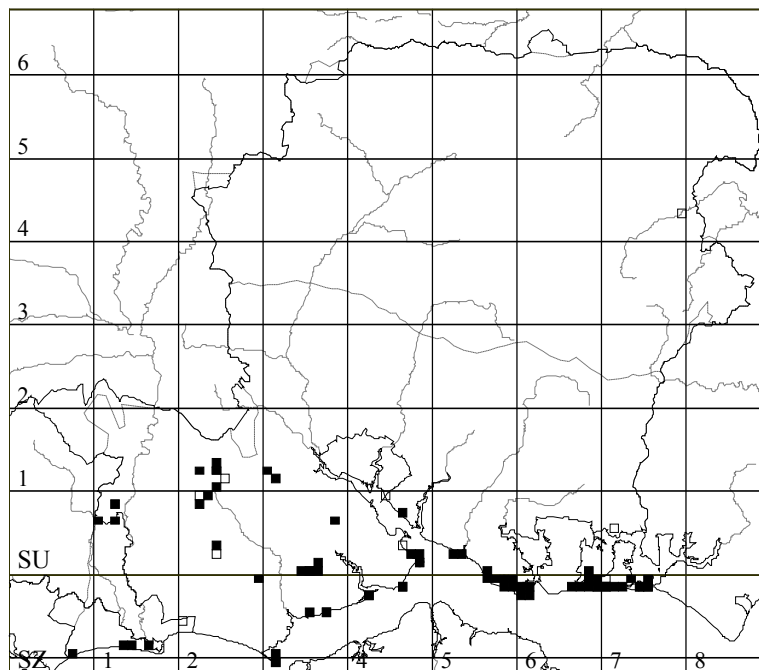
Heckfield Heckfield Place	SU7361 SU733610	2006 26-May-06	ILR	HBIC record. Lawns of Heckfield Place.
Bramshill Bramshill Plantation	SU7561, SU7562 SU7561	2000 10-Aug-00	BGo & JGo	Along sides of sandy tracks.
Bramshill Plantation	SU7562	10-Aug-00	BGo & JGo	Along sides of sandy tracks.
Hazeley Heath Hazeley Heath	SU7657 SU760577	1998-2008 21-May-08	CRH	150+ plants at track junction around dried up puddle at SU7608 5772, and 31 plants in broken turf on slope beside track at SU7607 5774.
Hazeley Heath, Hartley Wintney	SU760578	27-Aug-03	CRH	Several in flower beside main track across former gravel workings (close to the 1998 site). Could not be refound later in the month.
Hazeley Heath	SU761577	08-Jul-08	CRH	Very locally in trampled turf on a path at SU7610 5776, still in flower.
Hazeley Heath, Hartley Wintney	SU762577	03-Jun-08	JRCo	About 100 plants, present here on the landfill area for many years.
Hazeley Heath	SU764575	21-May-08	CRH	On margins of the main track with 120+ plants on east side in 3m x1m at SU7645 5756.
Greatham Woolmer Link Rd, Greatham	SU7831 SU784317	2000 01-Jun-00	NAS	
Kingsley Common Kingsley Common Kingsley Common	SU7938 SU790380 SU7963	1963-2009 17-Jan-09 1963	JAN AWW	Note: tentative ID, vegetative

Broxhead Common area	SU8037	1998-2007		
Broxhead Common	SU800371	19-Jun-99	ARGM & EJC	
Broxhead Common	SU801373	29-May-98	ARGM & DBr	Numerous plants in bare sandy soil.
Bordon, N of Broxhead Common, East	SU800370 SU806374	15-May-06 04-Jul-07	ARGM ILR	Numerous plants on sandy patch beside A325. HBIC record.
Woolmer and Longmoor	SU8031	2002-2004		
MOD Woolmer	SU800312	12-May-04	ARGM & SC	c.10 plants at SU8002 3123.
MOD Woolmer	SU801312	12-May-04	ARGM & SC	c.10 plants at SU8016 3124.
MOD Woolmer	SU804313	12-May-04	ARGM & SC	c.10 plants at SU8048 3131, specimen in Hb.ARGM.
MOD Longmoor	SU805313	20-Jul-03	ARGM & EJC	Bare area of old airstrip – a few dried up plants at SU8055 3132.
Southwood	SU8454	1992-2004		
Southwood, Kennels Lane	SU840548	26-May-92	ARGM	Hb.AB Specimen Bi2003.24.407, close to sharp bend.
Southwood Heath, Southwood	SU840549	12-Jun-04	CRH	SU8402 5491. Now difficult to find here, 49 plants along minor path. Original site not recently disturbed.
Eelmoor	SU8453	1999-2008		
Eelmoor	SU843533	06-Jun-08	CRH	36 plants at SU8431 5337 at old fire practice area. [Not refound CRH 2009 as sward is more closed and turf hard-grazed by rabbits, so it is difficult to locate.]

***Trifolium scabrum* L.**

Rough Clover
1862-2009

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

Frequent in coastal sand and gravel on the south-east coast. Scattered elsewhere along the coast and in the Avon valley. In the New Forest it is often in rather artificial habitats such as verges, gravel pits and old aerodromes.

N Hants: Rare or Extinct

Native

In addition there are unlocalised records for the Bordon area in 1961 and 1977 recorded by AB.

Bentley Station SU7943 1963

Trifolium squamosum* L.*Sea Clover
1830-2009****National Status: Scarce, Native****S Hants: Scarce**

Native

Uncommon, confined to the south-east coast, often in small quantity and in rather unstable environments, and apparently still declining. Previously also recorded along the Hamble (SU40), Hillhead (SZ59), at Gosport (SZ59 or SZ69) and at South Hayling (SZ69 or SZ79).

Cams Bay, Fareham Cams Bay	SU5805 SU585049	1989 28-Jul-89	DPJS	SU5850 0493. Short coastal turf in grassland. Very rare, 1 plant.
IBM North Harbour IBM North Harbour	SU6405 SU648050	1991 01-May-91	RBa	Short turf on reclaimed land in grounds c. 5 plants.
Ports Creek, Hilsea	SU6604	1960		
Milton Common Milton Common Milton Common, Southsea	SU6700, SU6701 SU675011 SU676007	2000 21-Oct-00 04-Jun-00	PJSe BGo & JGo	Plants not seen but the site was shown by IT. Along sea wall at SU676007, det. IT.
Great Salterns Great Salterns Lake Great Salterns	SU6701 SU675017 SU675022	1959-1999 14-Jun-98 08-Jun-99	GFa DRA, EJC & DPJS	One small patch. On grass area behind shore, Eastern Road.
Great Salterns	SU676018	21-Jun-92	DPJS	SU6760 0189. 50yds N of Great Salterns Quay. W edge of coastal shingle footpath at top of grassy bank. Herb. RPB. Expert RPB 8.7.1992. A few plants scrambling in patch of <i>Carex divisa</i> . c.1960. Sea wall. By Great Salterns Lake.
Great Salterns Quay / Salterns Lake	SU677017	1960	AWW	
Farlington Marshes W Farlington Marshes	SU6803, SU6804 SU680038	1960-1990 09-Jun-76	RPB	Grass bank inside sea wall. Locally plentiful over 65 yds. (Not seen for a few years – EAP.)
Farlington Marshes Farlington Marshes	SU680040 SU6803	1960 01-Jul-90	AWW MB	c.1960. Formerly more frequent, in a few places on sea walls.
Farlington Marshes E Farlington Marshes	SU6804, SU6905 SU685042	1957-1999 13-Jun-61	AWW	Hb AWW specimen Bi1986.1.406 'found on Farlington Marshes, Portsmouth, Hampshire..' HBIC record.
Farlington Marshes Farlington Marshes	SU685043 SU687047	01-May-94 10-Jul-90	NAS FR & EAP	E sea wall. Very rare, 1 plant.
Farlington Marshes	SU688042	1980	RPB	c.1980. Recorder not noted – 'as above record' presumed. E sea wall nr. pill box. (Not seen recently – EAP.)
Farlington Farlington Marshes	SU688047 SU690050	06-Jun-99 05-Jun-57	GFa AWW	Large bushy clumps in old pasture. Hb AWW specimen Bi1986.1.407 'found on Farlington Marshes, Portsmouth, Hampshire..'

Conigar Point
Conigar Point,
Warblington

SU7305
SU735051

2009
06-Jun-09

JRWH

There were two sizeable 'hummocks' of it (at a guess each 'hummock' was more than 30cm across and stood at least 15 cm high). In the extreme south east field of Warblington Farm close to Nore Barn at Emsworth – the approx map ref using 'Where's the path' is SU 73571 05135. Specimen Hb MR.

N Hants: Not Recorded

***Trifolium stellatum* L.**

Starry Clover
1998-2010

National Status: Unlisted, Rare, Neophyte

S Hants: Rare

Presumed Neophyte

Confined to a single site where it is well-established and locally quite abundant amongst semi-natural vegetation, with other rare Clovers, on a low fossil coastal cliff. One of only two established sites in Britain. There was also an unconfirmed record from Southampton (SU41) in the 1950s where it was presumably casual.

Browdown

SZ5699

1998-2010

Browdown SSSI, W

SZ569994

23-May-10

JAN &
DRA

16 plants, SZ 5699 9947 SE-facing shingle bank, in closed turf. Not previously seen in closed turf. Small colony on sandy bank beyond end of fence.

Browdown

SZ570993

06-Jul-99

BGo &
JGo

Browdown Ranges
SSSI, W

SZ570994

23-May-10

JAN &
DRA

SZ 5701 9947 SE-facing shingle bank, O-F in sparsely vegetated area of c.4 x 1m on the bottom part of the slope.

Browdown South
Browdown

SZ571994
SZ571995

18-May-99
05-Jul-98

DRA
MJS &
EJC

Extreme West of Browdown.

N Hants: Not Recorded

***Trifolium suffocatum* L.**

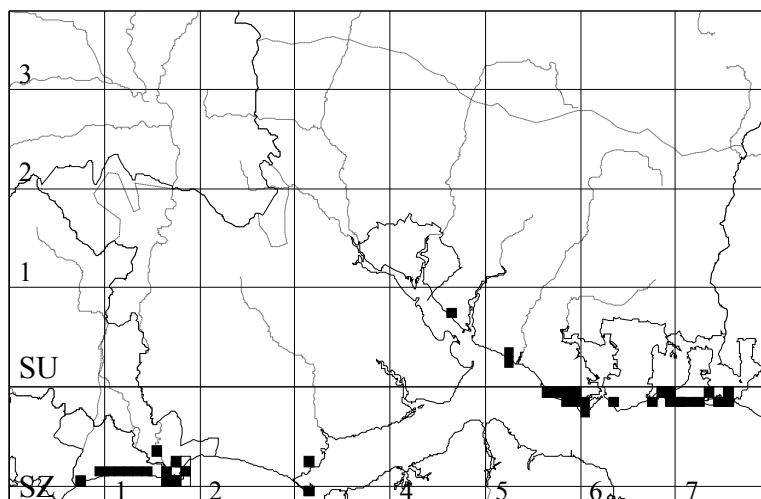
Suffocated Clover
1828-2010

National Status: Scarce, Native

S Hants: Not Ranked

Native

On stabilised shingle and bare sandy ground along the coast. It appears to be holding its own and even increasing in these habitats.



N Hants: Not Recorded***Tulipa sylvestris* L.****Wild Tulip
?1700s-2010****National Status: Unlisted, Scarce, Introduced****S Hants: Rare**

Neophyte

Now known from a single roadside site, but previously recorded naturalised in an orchard at Breamore (SU11) and at Portchester (SU60).

Brickhill, Rockbourne	SU1215	1937-2010		
Brickhill Rockbourne	SU124159	13-Apr-10	EAP	SU1249 1598, 73 flowering stems! - mostly in bud but a few eaten off, opposite Pink Cottage and just N of junction with West Park Farm lane.
Brickhill, Rockbourne	SU124159	24-Apr-10	MFa	SU1248 1598, 55 stems, 5m South & opposite entrance to Pink Cottage on verge.
Opp Pink Cottage Brickhill	SU125159	22-Apr-98	SSo	
West Park Fm, S of Rockbourne	SU126159	20-Apr-02	BLa	Clump of 25 gone over on grass bank just before driveway to Pink House (BLa supplied SU127159, but this may be in error.)

N Hants: Rare

Neophyte

There are also unlocalised old records for Newtown, Sherborne St John, Tadley and Rotherwick. A site given only as 'Froyle' in 1870, was almost certainly the chalk-pit at Quarry Bottom in SU7642. In c.1970 ARGM was shown plants in a private garden at Wrecclesham that had been 'rescued' from the road works that destroyed this site in c.1960. As more fully recounted in the 1996 *Flora*, the plants in Selborne may be descendants of bulbs planted there by Gilbert White in the 1700's.

Axford Axford	SU5943 SU599431	1997-2010 21-Apr-10	ARGM	Several clumps, but not flowering, at SU5992 4312 and SU5994 4313, near woodland edge, and visible from public footpath. Site is 350m south of nearest building, Flockmoor Cottage, but the wood is now fenced and has been planted with garden daffodils etc.
Beaurepaire Park	SU6358	1854		
Sherfield-on-Loddon	SU6658	1913		
Church End, Sherfield	SU6756	1965		
Thedden Grange, Alton	SU6839	1870		
Selborne Selborne village	SU7433 SU7433	1870-2002 08-Apr-02	BGo & JGo	Original patch of non-flowering plants in Gilbert White's meadow, under an elm.
Froyle, Quarry Bottom	SU7642	1912-1958		

National Status: Endangered, Scarce, Native
NERC S41
UK BAP Priority Species

S Hants: Not Recorded

N Hants: Rare

Native

Numbers at the Kingsley site vary significantly from year to year in response to occasional winter work parties clearing invading scrub. Similarly it has a history of good response to soil disturbance at the MOD site at Linchborough, either through forestry work in the past or more recently to intentional conservation ground scarification using a tractor, but it is now apparently declining there. The site near Rotherwick was searched unsuccessfully by FR & AB 1975, by AJPB in the late 1990's and by ARGM on 24 Jun 2008. The site near Eversley Church has also been searched recently in vain.

Rotherwick, S of	SU7156	1968		
Kingsley	SU7736, SU7737, SU7837	1930-2010		
Shortheath, Oakhanger	SU7736	02-Jul-93	RW & FR	c. 20 plants in flower. [Possibly the well-known site actually in SU7737 – ARGM.]
Lode Farm, Kingsley	SU777377	1962	AB	At Lode Farm.
Lode Farm, W of Kingsley	SU778376	1975	AB	Still present 1975, at 778376. [N.B. The index card has comments, presumably by AB: 'Have seen it in the hedgebank, at Lode Farm, 778377; corner of the road to Binstead, when the road was widened, 778376; old lane entrance opposite Coldharbour, 796384; entrance to Kingsley sand-pit, 801383...', but the date of these sitings is not made clear – DRA.]
Kingsley	SU778377	01-Sep-10	ARGM	At least 100 plants still present at SU7787 3776, but site is getting very overgrown again. A new tarmac path has recently been constructed along the road edge here. [The site was cleared of invasive scrub by HCC c. Jan 2011].
Kingsley	SU779377	23-May-06	ARGM	4 spikes nearby on the roadside bank from SU7796 3776 to SU7799 3777.
Kingsley, W of Kingsley, W of	SU779378 SU780378	26-May-02 26-May-02	WGH WGH	4 plants on steep sandy roadside bank. About 20m E of where the road N from Shortheath meets the B3004, a few found.
Eversley	SU7761, SU7861	1950-1984		
Sleaford	SU7938, SU8038	1850-2006		
Kingsley Common	SU794381	01-Nov-00	Pla	HBIC Record. 21 plants.
Kingsley, East	SU796384	23-May-06	ARGM	35 spikes refound at former site a mile further E from site at SU778377, beside same road at SU7964 3842 to SU7966 3843.
B3004, Sleaford	SU801383	1985	AB	Plants reappeared here temporarily at Bromfield's original 1850 site when the road was re-routed for a new bridge. 16 plants in a line, coming through cut scrub. Overgrown again next year.
B3004, Sleaford	SU801383	1988	CWa	
Sleaford, nr Kingsley	SU801384	01-Aug-68	EAB	Edge of sandpit by road.
Woolmer, Linchborough	SU8033, SU8133	1977-2010		
Woolmer Forest	SU807334	1999	Pla	HBIC Record. On trackside at SU8073 3340.
Woolmer, Linchborough	SU813334	07-Jun-08	WHW & CWa	70 spikes counted at SU8139 3346. GP also noted about 50 plants there this year. Following conservation work this population has now recovered to 1996 levels.
Woolmer, Linchborough	SU813334	May-2010	GP	Two plants at c.SU8139 3345 following some minor scraping by MOD a few months ago to sustain it.
Frensham, S of (in VC12)	SU8439	1947		

National Status: Not Scarce, Native**S Hants: Rare or Scarce**

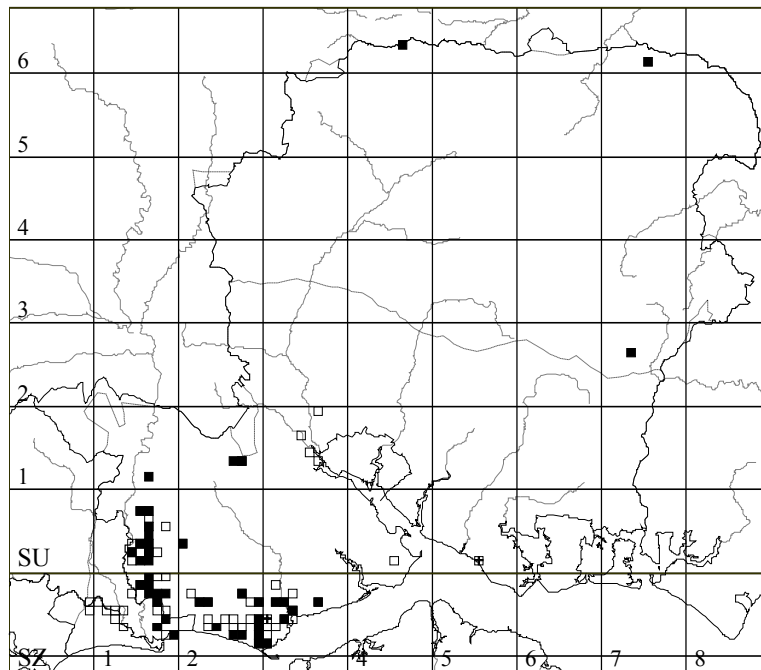
Native

The status of this species on the New Forest is contentious. The Turf Hill record cited below received expert determination. Other records from the Forest have in the past been rejected by the *Ulex* referee who has provided the modern diagnostic descriptions of British *Ulex* species. In recent years Alison Bolton has examined and gathered material from the plateau heathlands across a wide area between Burley and the B3078. These plants are very distinct from the *Ulex minor* with which they often grow, and in their floral dimensions, pollen size and stem armature they fit the modern description of *gallii*. Work on these populations is continuing, but it is emerging that *U. gallii* does occur more widely than it has been given credit for, and a couple of the more recent records with their supporting statistics are included below. A putative hybrid between *U. gallii* and *U. europaeus* has also been found west of Picket Post.

To the authors' knowledge, of the other records cited below only the Hayling population has received expert determination (and has recently been shown to extend to a wider area, not yet documented here). The records from the Bournemouth cliffs (including E F Linton's specimen of 1902, ?SZ09) are certainly plausible, as they run into the generally agreed range of the species.

Alum Chine area Alum Chine etc	SZ0790 SZ0790	2005-2007 02-May-07	RMW	
Southbourne Belle Vue Rd. etc.	SZ1491 SZ1491	2007 31-May-07	RMW	
Godshill Godshill	SU1814 SU180149	2001 Feb-01	NAS	Hb PJSe.
Picket Post, Burley Picket Post, Burley	SU1905 SU191059	2008-2010 06-Oct-10	AEB & MR	Plants at SU1915 0597: Calyx 11-12mm (mean 11.3mm); standard 11.5-15mm (mean 13.6mm); pollen 35-40 μ (mean 38.7 μ).
Deadman Hill, Godshill Deadman Hill, Godshill	SU2016 SU202165	2009-2010 06-Oct-10	AEB & MR	Plants at SU2023 1657: Calyx 12-13mm (mean 12.75mm); standard 15-16.5mm (mean 15.6mm); pollen 35-39 μ (mean 36.6 μ).
Turf Hill, Godshill	SU2117	1985		
Sandy Point, Hayling	SZ7498, SZ7598	1980-2003		
Sandy Point NR, Hayling Island	SZ748982	17-Oct-00	BGo & JGo	In moderate quantity on Reserve.
Sandy Point NR, Hayling Island	SZ7498	10-May-03	HFG	
Sandy Point, Hayling Island	SZ749981	27-May-80	AB, FR & EAP	c.SZ749981. Maritime dry heath behind sandy beach.
Sandy Point, Hayling Island	SZ749982	27-May-80	AB, FR & EAP	SZ749982 etc. Maritime heath on shingle in hosp. grounds. Very local, few bushes. RPB!
Eastoke	SZ7598	05-Aug-80	FR	

N Hants: Not Recorded

Ulmus minor* Mill. subsp. *angustifolia* (Weston) Stace*Cornish Elm
1624-2008****National Status: Unlisted, Not Scarce, Endemic****S Hants: Not Ranked**

Native

Widespread in a sub-coastal strip from the Dorset border to Lymington, and in the lower Avon valley; unfortunately this once distinctive part of the landscape is rarely recorded since the onset of Dutch Elm Disease, but a targeted search of hedgerows would probably fill many of the gaps in the recent record.

N Hants: Rare

Native and Introduced

There are post-1950 tetrad-level records for Railroad Heath near Fleet, also Kingsley and East of Stockbridge, but it is probably under-recorded in VC12.

Newtown Common	SU4663	2000			
Newtown Common	SU466632	07-Jun-00	TB	HBIC record.	
Shoulder of Mutton Hill	SU7326	1991			
Shoulder of Mutton Hill	SU738267	1991	KGM	Recorded as <i>Ulmus angustifolia</i> , Weston. Lutcombe Bottom Nature Reserve. Young regenerating.	
Bramshill	SU7561	2008			
Bramshill Plantation	SU756614	28-Jun-08	ARGM	A single small tree at SU7566 6145, obviously originally planted, and now looking sick with crown dead.	

Ulmus plotii* Druce*Plot's Elm
1969-1984****National Status: Unlisted, Scarce, Native and Introduced****S Hants: Not Recorded****N Hants: Rare**

Probably Introduced

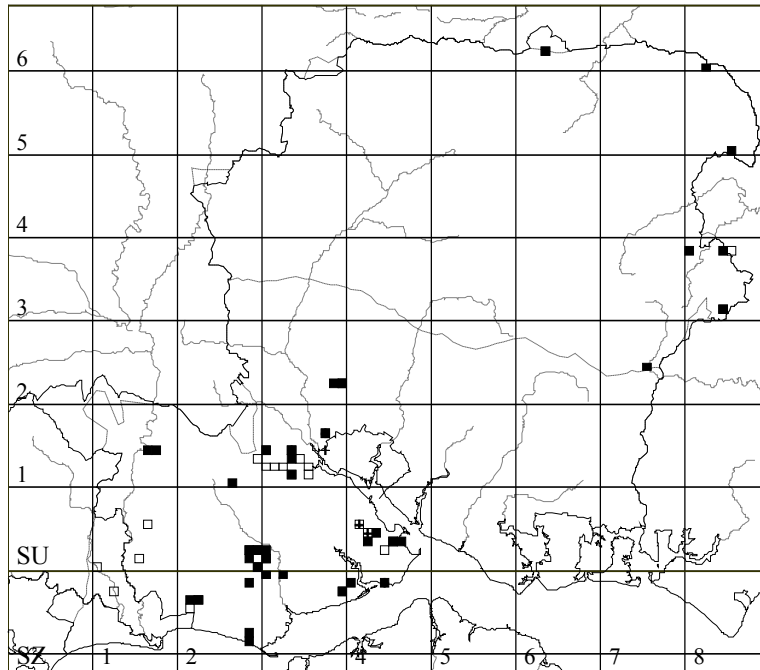
Only recorded at one site, with several trees in a hedgerow, but supported by a specimen in Hb.RPB confirmed by RM.

Nr. Cooper's in the Wood Farm SU4551 1969-1984

***Umbilicus rupestris* (Salisb.) Dandy**

Navelwort
1835-2009

National Status: Not Scarce, Native



S Hants: Infrequent

Native

With a rather quirky distribution across south-west Hampshire, with notable concentrations around Brockenhurst and the Waterside. All recent records are on hedgebanks and other earth banks, at the base of Oaks or even a little way up them.

N Hants: Scarce

Native

Confined to the more acidic soils of the NE of the vice-county, on road banks or walls, where is it prone to illegal uprooting by people wishing to 'tidy-up'.

Silchester, Roman Walls	SU6362	1984-2001		
Silchester, Roman Walls	SU637622	03-Jul-01	CRH	One place only on SW side, recent damage and uprooting of the colony.
Sheet	SU7524	2007		
Sheet	SU757247	19-May-07	REG	At SU7579 2473 on shady bank of lane east of the mill.
Trottsford Farm	SU8038	1998		
Trottsford Farm	SU807385	20-Jun-98	ARGM & DBr	Locally plentiful on shady sandy bank of footpath.
Trottsford Farm	SU807387	20-Jun-98	ARGM & DBr	Second location on shady sandy bank of this footpath.
Yateley	SU8260	1989-2006		
Stevens Hill Lane, Yateley	SU825602	18-Nov-2006	CRH	Patches along 15m of bank where not overgrown by holly and also now on the opposite (south) bank.
Chiltley Lane, Liphook	SU8431	1968-2002		
Chiltley Lane, Liphook	SU847310	1998	AB	Still there in 1998.
Chiltley Lane, Liphook	SU848311	09-Jul-02	JMil	HBIC record.

Barford Wishanger Lane, Barford	SU8438 SU844389	1972-1987 1987	GM	On steep roadside bank, south side, patch one metre square. Could not find it at Simonstone Lane 851380.
Simonstone Lane, Barford	SU851380	26-May-72	RPB	Simonstone, nr Churt. Bare shady banks in lane S of ford. Locally plentiful.
Aldershot Aldershot, Pavilion Road	SU8550 SU852504	2005-2008 10-Jun-08	FJR	Still present on wall at SU8522 5045, with 4 dogged survivors who have resisted the 'cleaning' which inevitably goes on (though there were 8 flowering in April 2008).

***Utricularia australis* R. Br.**

Bladderwort
1875-2010

National Status: Not Scarce, Native

S Hants: Rare

Native

With a rather wide but very sparse distribution in the western half of southern Hampshire, tolerant of quite a wide variation in base status but not in the most acid bog pools. Also noted previously in the Avon at Bickton (SU11L), at Highcliffe (?SZ29), near Walhampton (SZ39I), dubiously at Hatchet (SU30Q), and near Romsey (SU32K). Townsend comments "In many of the ditches in the Teste valley; as about Romsey; Mottisfont; &c". Motorway building destroyed it in its Itchen Valley site, but it would be worth seeking out in some other sites not recorded since the 1970s and 1980s.

Sopley 1875-1983

Coward's Marsh SZ1594 1963

St Leonards Peat SU1000 1982-2007

St Leonard's S NR	SU103008	01-Sep-85	RMW & RPB	Ponds in open carr. Very locally plentiful.
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Hurn Forest, St Leonards Peat South	SU103009	06-Jul-07	NAS	Pond dug into mire, SU1037 0095. A few square metres.
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St Leonard's S NR	SU104009	01-Sep-85	RMW & RPB	Ponds in open carr. Very locally plentiful.
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Marlborough Deep SZ2298 1957-1985

Chilworth SU4017 2001

Fernlea, Chilworth	SU405174	12-Aug-01	PAB	Plentiful in large pond.
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Stoneham SU4317 1966-1983

Itchen Valley CP SU4415 1975

N Hants : Scarce

Native

By 1991 it had become really abundant in the Basingstoke Canal from the Surrey border to Fleet, partly from plants first migrating into the Hampshire section from Surrey in 1988, though some plants were introduced to Claycart Flash in 1987. It then rapidly disappeared from the main canal channel as the water turned turbid due to recreational boating, surviving until at least 2002, since when it has apparently been confined to the flashes (there is also a record from the main channel in 2005 but these were a few detached stems that had obviously floated out from Claycart Flash). It rarely flowers, though a few examples of flowers are noted below. Flowers in the Hampshire section of the main canal channel have not been recorded, but in 1991 it did flower profusely in the canal a little into Surrey, and in 2010 it flowered in very shallow water in Eelmoor Flash, adjacent to the canal. Although there are more than 10 post-1986 'Sites' listed for this species, a selection of full records is included to document its decline at the Basingstoke Canal (and the separate canal 'Sites' defined below are arbitrary anyway). At its peak in the Canal there were numerous recorded locations at six-figure level, so only a sample is given here, but always including the last one for any 1km square.

Greywell SU7150 1881

Shortheath Pond Shortheath Common Shortheath Common Shortheath Pond	SU7736 SU774366 SU775367 SU775368	1974-2007 1974 07-Aug-07 06-Sep-07	GHF ILR ILR	Recorded as <i>U. neglecta</i> . HBIC record. Several pieces floating near the bank in several locations.
Blackmoor House moat	SU7732	1967		
Basingstoke Canal, Dogmersfield to Crookham	SU7751, SU7752, SU7851, SU7951, SU7952	1993-1997		
Basingstoke Canal, nr. Coxmoor	SU778517	26-Sep-97	CRH	Rare in canal margin by Swing Bridge Copse, c.SU778517. It was also present in this 1km square in 1994 and 1995.
Basingstoke Canal, Dogmersfield	SU778525	18-Sep-97	CRH	A few plants in two places by towpath amongst emergent swamp, c.SU778525.
Basingstoke Canal, Coxmoor	SU784512	26-Sep-97	CRH	Canal margin near site of former Coxmoor Bridge, c.SU784512 (and two other places nearby, SU783512 and SU781513). First present in this 1km square in 1993.
Basingstoke Canal, Crookham	SU793517	26-Sep-97	CRH	Amongst emergent swamp east of Chequers Bridge, c.SU793517 in two places. First present in this 1km square in 1993, locally very plentiful in 1994, then decreasing until last recorded 26 Sep 97.
Basingstoke Canal, Crookham	SU799523	13-Aug-94	CRH	Rare at c.SU799523. The stretch of canal in this 1km square is in a cutting and heavily shaded, so few aquatic plants survive long.
Woolmer Pond	SU7831	1974-1980		
Woolmer Forest, Whitehill	SU7933	1996-2008		
Woolmer Forest, Whitehill	SU791333	13-Jul-08	ARGM	Filling a brick 'water tank' beside the track of the former military railway at SU7912 3337. [Site demolished in 2009 – ARGM].
Bordon, Knox's Pond	SU8034	1983-1989		
Bordon, Knox's Pond	SU803346	10-Aug-89	ARGM	Flowering well, photograph taken.
Linchborough Pond	SU8032	1975		
Basingstoke Canal, Crookham to Fleet	SU8052, SU8053, SU8153, SU8253	1992-1997		
Basingstoke Canal, Church Crookham	SU804527	26-Sep-97	CRH	Present in this 1km square throughout 1992 to 1997, last seen amongst emergent swamp near Wickham Place, c.SU804527½ on 26 Sep 97. [Not refound by CRH 2009 in the canal at any former sites from Crookham to Pondtail].
Basingstoke Canal, Fleet	SU805535	28-Sep-96	CRH	Present in this 1km square 1994 to 1996, but always scarce in this square. Last seen amongst emergent swamp near Leawood, c.SU805535, rare.
Basingstoke Canal, Fleet	SU815535	26-Sep-97	CRH	Widespread in 1992 in this 1km square, more localised in 1993, not found 1994 – 96 but had recolonised the eastern part (Regent Street to Pondtail) in 1997. On 26 Sep 1997, fairly frequent west of Pondtail, c.SU815½535.
Basingstoke Canal, Pondtail	SU8253	04-Sep-97	CRH	It first colonised this 1km square in 1992. It then decreased and was very scarce in 1994, occasional in 1995, very scarce again in 1996 but then widespread in 1997. On 4 Sep 1997 it was fairly plentiful east of Pondtail Bridge and Pondtail Heath but also scattered elsewhere in the 1km square in the margins, though always where protected by emergent vegetation.

Fleet Pond	SU8154, SU8155, SU8254	1938-1998		
Fleet Pond	SU8154	17-Jul-38	GARW	Recorded as <i>U. major</i> , ditch S end of Fleet Pond, no flowers.
Fleet Little Pond, N of railway	SU817554	1986	ARGM	AB has annotated this record 'destroyed later'.
Fleet Pond, Fugelmere Marsh	SU822548	07-Jul-94	CRH	Well out on Fugelmere Marsh near the marsh / reed transition, in pools that are not too choked, and in shallow water beneath the reeds c.SU822548, very localised. Concerns at this time about encroachment of reeds and of alders seeding into the marsh as it became less saturated.
Fleet Pond	SU822551	1976	JW	HBIC record.
Fleet Pond, Gelvert Marsh	SU823549	22-May-98	CRH	Three plants in shallow water on pond margin by Gelvert Marsh, c.SU823½549½. Also four plants (two in two locations) in shallow water where protected from the main lake adjacent to Gelvert Marsh noted on 7 Jun 1998. It is possible that these had been carried down the Gelvert Stream.
Fleet Pond, Sandy Bay	SU824549	6-Sep-95	CRH	On margin of Sandy Bay c.SU824549, a few stem pieces carried down Gelvert Stream from the canal.
Oakley Pond, Fleet	SU8154	1992-2008		
Oakley Pond, Fleet	SU815541	10-Jun-08	CRH	Still plentiful at SU8151 5415 / SU8153 5413, where some flowered in 1998. (Introduced from Basingstoke Canal in 1992).
Eelmoor Marsh	SU8353	2006-2009		
Eelmoor Marsh	SU839530	07-Aug-09	CRH	Still present but decreased, occasional to very locally abundant in the rectangular pool at SU8395 5301. The nearby oval pool where it was recorded on 7 Aug 2008 now has minimal water.
Basingstoke Canal, Fleet to Aldershot	SU8352, SU8353, SU8452, SU8552	1987-2010		
Basingstoke Canal, Miles Hill	SU836531	17-Sep-02	CRH	Just beginning to colonise this 1km square in 1990, fairly plentiful 1991, well established 1993, then decreased but persisted in varying numbers. Last recorded 17 Sep 2002, a few in shallow bay on offside, c.SU836½531.
Basingstoke Canal, Eelmoor	SU838529	17-Sep-02	CRH	There is only a short section of canal in this 1km square, but it was present in 1991 – 95, 1997 and 2002. On 17 Sep 2002 there were 30+ plants in the canal margin offside, c.SU838529.
Eelmoor Flash	SU841528	06-Aug-04	ILR	HBIC record. SU8418 5280.
Eelmoor Flash	SU842527	17-Jun-08	CRH	In two pools on east side, locally dense at SU8422 5276 where the plants are atypically small but leaf segments are toothed (also more typical plants at SU8426 5281).
Eelmoor Flash	SU842528	04-Aug-10	ARGM	Photographed the plants flowering at SU8425 5281 in the very shallow water where a scrape was made last autumn to encourage the <i>Baldellia</i> etc.
Basingstoke Canal, Eelmoor	SU8452	2002	CRH	A few scattered locations by 1990, scarce. Very common by 1992, then decreased and scarce in the main channel by 1994, increased again 1995, scarce in 1996, locally plentiful in 1997. Possibly these were cycles of recolonisation from the flashes. The last canal main channel record (as opposed to the flashes) in this 1km square was in 2002.

Claycart Flash	SU851526	1987	ARGM	Deliberately introduced into Claycart Flash. The introduction failed, but plants floating into the canal colonised canal margins near Claycart Bridge. This colony thrived.
Basingstoke Canal, Claycart	SU851527	01-Sep-05	CRH	In this 1km square it was present by 1989, locally abundant in 1991 but was confined to the flashes in 1997. The last record for the canal main channel was three stems floating in the canal margin near Claycart Flash, SU8510 5279 on 1 Sep 2005.
Basingstoke Canal, Claycart	SU851528	23-Sep-88	CRH	A dozen or so plants on canal margin opposite Claycart Flash, presumably originating from the introduction into Claycart Flash last year.
Basingstoke Canal, Claycart Hill Flash	SU854525	11-Jun-01	CRH	Recently restored flash at c.SU854½525 beside the canal, plentiful in the shallow, clear water.
Rushmoor Flash	SU855522	04-Aug-08	CRH	Occasional in open water at SU8556 5227.
Basingstoke Canal, Aldershot	SU8652, SU8752, SU8851	1988-1996		
Basingstoke Canal, Aldershot	SU861523	01-Oct-96	CRH	Colonisation of this 1km square was underway by 1990, but it was scarce in most years. In 1994 it was locally frequent on both sides of Wharf Bridge c.SU862523 / SU863523, but was very rare two years later and only seen by the bay west of Wharf Bridge c.SU861½523 on 1 Oct 96.
Basingstoke Canal, Aldershot	SU879521	25-Sep-88	CRH	Fairly frequent between Ash Lock and Silvester's Bridge, recently colonised from Surrey.
Basingstoke Canal, Aldershot	SU8752	21-Aug-95	CRH	Frequent to common through military town, continuous c.SU870521 – SU873521½, then frequent patches further east.
Basingstoke Canal, Aldershot	SU8851	21-Aug-95	CRH	Scattered plants in this canal section, not seen since.
Ramilles Park Lakes	SU8853	1991-1998		
Ramilles Park Lake	SU885531	27-Aug-98	CRH	Following scrub clearance in early 1997, the <i>Utricularia</i> had increased substantially in pools within the marshes by 18 Jul 1997, but by 27 Aug 1998 had become less plentiful and more localised. Since then the lake has been fenced off and taken over by an angling society.

***Utricularia bremii* Heer ex Koell.**

New Forest Bladderwort ?1991-2010

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

This plant, otherwise only tentatively recorded in Britain, was first detected by carnivorous plant specialist and botanical illustrator Andy Smith in the early 1990s. Its identity was confirmed from a detailed photographic record of flowering specimens in 2008, by Andreas Fleischmann of the University of München and Dr. Jan Schlauer of the University of Tübingen, experts in the genus. The species is probably globally rare. It is unlikely to have been a deliberate introduction as it is not generally cultivated (there are two known private cultivators in the British Isles, one of them in Ireland), and the one person currently known to grow it commercially is in the Czech Republic, and started to do so after its discovery. Its flowering performance and the extent of the patch vary considerably from year to year. The site is next to a heavily used recreational path, and observers are convinced that it suffers periodically from use of the site as a bathing station by dogs.

Woodfidley Passage SU3405 1991-2010

Woodfidley Passage	SU346051	25-Aug-10	MR, AS & EJC	Non-flowering patch, dyke to E of bridge, SU3469 0511.
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N Hants: Not Recorded

National Status: Unlisted, Not Scarce, Native

S Hants: Rare

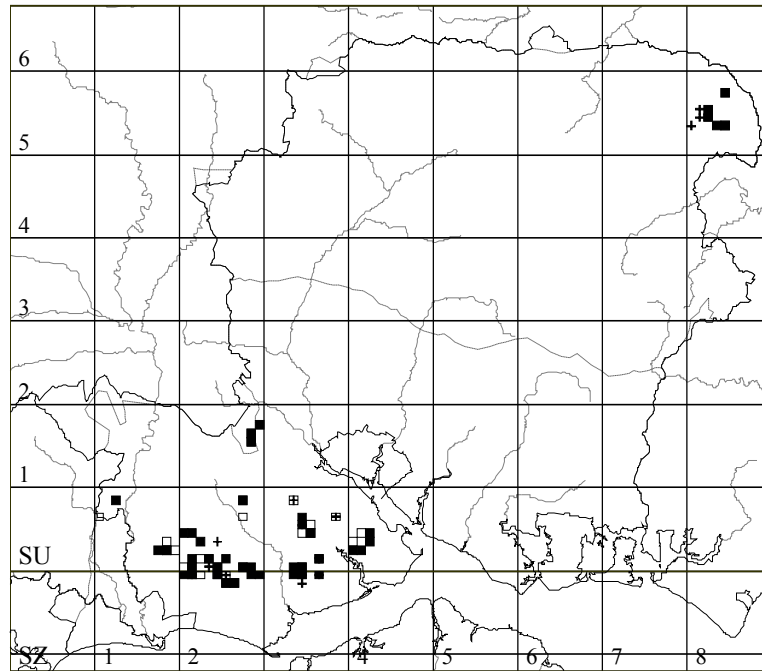
Native

A plant of still water in base-poor mires. The three extant sites documented below represent a single metapopulation that has suffered a double indignity; having a railway line built through it in the 19th century, and undergoing extensive drainage by the Forestry Commission in the 20th, when the 1996 *Flora* estimated that 40% of the population was destroyed. The first rather large and diffuse site covers everything west of the railway. Plants in similar situations in Dorset have been determined as *U. stygia*, leading to speculation that the New Forest plants should also be reassigned here; however Neil Sanderson undertook a microscopic examination of the bladder hairs in 2006 and determined ours as *U. intermedia* sensu stricto. Andrew Smith of the Carnivorous Plants Society has looked at our plants and Dorset's, and concurs.

Hatchet Moor	SU3501	1960		
Shatterford	SU3404, SU3405, SU3406	1899-2010		
Denny Bog	SU340053	29-Jul-06	NAS	SU34097 05350, frequent in area 4 x 1m in centre of M29 seepage line feeding into gap in main drainage ditch. ID checked by examining bladder hairs.
Bishops Dyke, New Forest	SU345051	14-Jul-62	BGo & JGo	
Shatterford Bottom	SU345061	11-Aug-70	RPB	West of Beaulieu Road Station. Bog pools at bridge over bog. V. local in small quantity.
Woodfidley Passage	SU346050	1972	RPB	Extinct through Forestry Commission drainage.
Shatter Ford, Bishop's Dyke	SU349047	23-Sep-61	RPB	Bog pools at footbridge over bog. V. local in small quantity.
Denny Bog	SU349051	24-Jul-06	NAS	A small amount in a few small pools west of the railway and east of Woodfidley Passage at SU34977 05147.
Bishop of Winchester's Purlieu	SU349051	25-Aug-10	MR, AS & EJC	Shallow bog pools fringing Reed at SU3499 0515.
Denny Bog	SU349052	13-Jul-58	AWW	Hb AWW specimen Bi1986.1.890 'found near the railway, New Forest, Denny Bog, Denny Lodge'.
Shatterford, Bishops Dyke	SU349057	1972	RPB	Extinct through Forestry Commission drainage.
Bisop of Winchester's Purlieu, Denny Lodge	SU350051	29-Sep-02	MR	100+, N margins of valley bog running down to railway, SU3501 0516.
Denny Bog	SU3504, SU3505	1899-2010		
Denny Bog	SU352052	23-Sep-56	AWW	Hb AWW specimen Bi1986.1.891 'found in the New Forest, Denny Bog, Denny Lodge'.
Penny Passage Penny Moor	SU353048	18-Aug-10	AEB	
Denny Bog	SU353049	18-Aug-10	AEB	
Rowbarrow	SU354046	18-Aug-10	AEB	
Denny Bog	SU354047	22-Jun-06	NAS & AMC	At SU3545 0475. Determined on leaf dentition and bladder hairs.
Woodfidley Area	SU354048	18-Aug-10	AEB	
Denny Bog	SU355046	29-Aug-89	RPB	NW of Rowbarrow Pond. Very locally plentiful.
Denny Bog	SU355047	18-Aug-10	AEB	
Denny Bog	SU356046	14-Aug-72	RPB	
Woodfidley Area	SU357044	18-Aug-10	AEB	
Nr Rowbarrow Pond	SU357045	18-Aug-10	AEB	
Stephill Bottom	SU3505	1899-1997		
Stephill Bottom	SU355056	05-Jun-97	NAS	Edge of large pool in mire.
Millers Pond, Sholing	SU4510	1873- ?1960s		

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Not Ranked

Native

All modern records are from the New Forest where it is frequent in the southern parts, with outlying populations around the northern commons. It is tolerant of a fairly wide range of base status but even on the Headon Beds tends not to be in really calcareous flushes. There are historic records from near Heron Court, Christchurch (SZ19), near Sopley (?SZ19N), Titchfield Common (SU50) and the Forest of Bere (?SU60).

N Hants: Rare

Native

In bog pools and ditches, tolerating (though apparently not requiring) more acidic conditions than *U. australis*. It flowers more frequently than *U. australis*, but still irregularly, and usually only in very shallow water that heats up. A record for the Eelmoor Flash in 2004 was subsequently shown to actually be a small form of *U. australis*, and the record shown in the 1996 *Flora* for the Basingstoke Canal at Puckridge in 1986 may also have been *U. australis*.

Fleet Fishpond	SU8053	1935		
Fleet Pond	SU8154, SU8155, SU8254	1935-1998		
Fleet Pond	SU8154	14-Sep-35	GARW	In stream at S end of Fleet Pond.
Fleet Pond	SU8155	09-Sep-38	GARW	In the smaller, north, stream at Fleet Pond, no flowers. [Possibly the small stream at SU817550 – ARGM]. Also on same day ‘in both streams at E end of Fleet Pond’.
Fleet Pond area, nr Fugelmere Road	SU821548	1991	CRH	1984-91. SU8215 5482 – SU8230 5480, declined during drought summers.
Fleet Pond	SU821550	17-Jul-95	MFI	HBIC record.
Fleet Pond	SU822547	1990	ARGM	
Fleet Pond, Fugelmere Marsh	SU823548	22-Jun-98	CRH	In a small pool dug for dragonflies at c.SU823548, with two flowers. It had appeared here in 1997 but has not been refound since 1998.
Fleet Pond, Fugelmere Marsh	SU823549	7-Jun-95	CRH	A few plants in a shallow pool well out on Fugelmere Marsh, c.SU823549, now very much scarcer than it used to be.
Hawley Common	SU8457	2003		
Hawley Common, south	SU841574	23-Sep-03	ILR	HBIC record. SU8410 5745.

Eelmoor Marsh		SU8353, SU8453	1975-2010	
Eelmoor Marsh	SU839535	0-Aug-10	ARGM	Only a few flower spikes this year in the pond at SU8399 5353.
Eelmoor Marsh	SU840535	02-Jun-09	CRH	42 flower spikes around the margin of Dennis Pond, only flowering in the shallowest water. Also in small bog pools nearby, 29 flower spikes in c.40cm x 30cm at SU8401 5354 and c.120 flowers in c.70cm x 40cm at SU8400 5354.
Eelmoor Marsh	SU840535	06-Jul-09	ARGM	In a tiny pond at SU8406 5356 within a scrape. This is close to its known sites but a new location to me.
Eelmoor Marsh	SU840535	06-Aug-09	CRH	In this 100m square in ditches close to Dennis Track at SU8402 5351, SU8405 5351, SU8407 5350 and small pool at SU8406 5356.
Eelmoor Marsh	SU842535	06-Aug-09	CRH	In this 100m square at SU8429 5358 in the southern of a group of four pools.
Eelmoor Marsh	SU842536	06-Aug-09	CRH	In this 100m square at SU8421 5360, one of a pair of pools north of Cove Brook.
Eelmoor Marsh	SU843535	06-Aug-09	CRH	In this 100m square at SU8430 5359 in the northern of a group of four pools.

***Vaccinium oxycoccos* L.**

**Cranberry
1765-2010**

National Status: Not Scarce, Native

S Hants: Extinct

Native

There is a sole record, in the mid 19th century, for "Droxford Forest" (SU51). (Droxford Forest was enclosed and on the point of being grubbed up in 1855.) However there is an as yet unconfirmed 2009 report from Ringwood Forest (SU10).

N Hants : Scarce

Native

In very wet bogs, growing through Sphagnum. Absent from the Thames Valley Heaths and confined to the Lower Greensand Heaths around Woolmer Forest and Shortheath Common. The berries can be either plain red or densely speckled with brown dots, and these occur on separate plants (Mundell (2002).

Adhurst St. Mary SU7624 1979

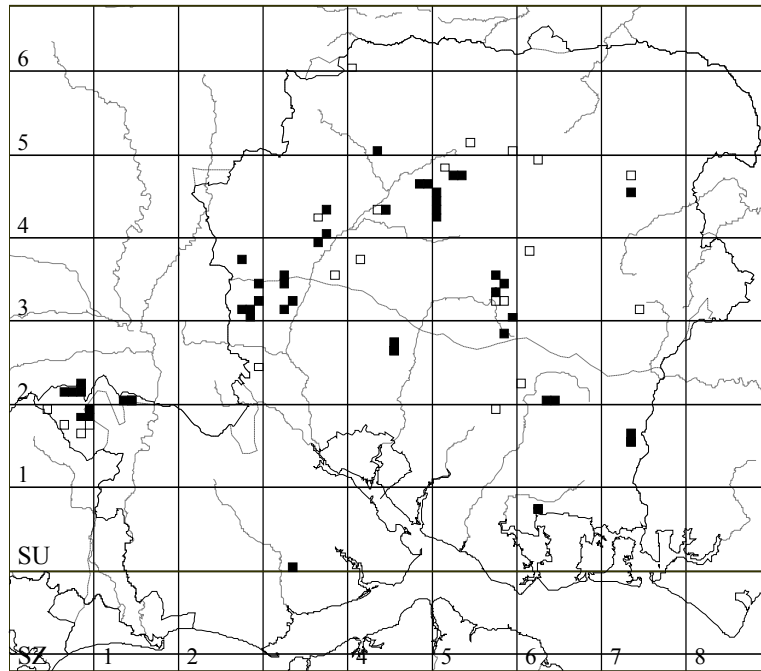
Shortheath Common SU7736 1974-2010

Shortheath Common	SU7736	25-Jun-10	EFr	In flower.
Shortheath Common	SU771365	03-Aug-05	ARGM & CRH	Abundant at S corner of Shortheath bog (which is currently unusually dry and accessible on foot) e.g. to SW corner at SU7717 3655, but extending to much further north and east.
Shortheath Bog	SU772364	03-Aug-05	ARGM & CRH	Abundant at S corner of Shortheath bog, e.g. at SU7727 3648.
Shortheath Common	SU774365	01-May-06	MR & RCR	
Shortheath Common	SU774367	01-May-06	MR & RCR	
Shortheath Common	SU775367	07-Aug-07	ILR	HBIC record.
Shortheath Common	SU775368	27-May-91	GHF	

The Slab & The Warren nr Bordon SU7734, SU7735, SU7834 1976-2009

Blackmoor golf course	SU7734	1989	FR	Abundant in bog.
The Warren, SE of Oakhanger	SU7735	06-Aug-89	FR & PR	In bog to N, under pylons.
The Slab, Bordon	SU780348	03-Aug-05	ARGM & CRH	Two tiny patches within 0.5m x 0.5m in old vehicle track in bog at SU7809 3484 beneath power lines.
The Slab, Bordon	SU781348	02-Jul-09	ARGM	Still hanging on at SU7812 3486 in a small bog beneath the power lines.
Eveley Lane, Blackmoor	SU7834	30-Jul-89	FR & PR	Abundant in bog by pine carr. [Eveley Lane crosses the golf course at the south of The Slab – ARGM].

Greatham Moor	SU7830	1979-1996		
Greatham Moor, Longmoor	SU7830	08-Sep-96	FR	In bog.
Greatham Moor, north	SU783307	13-May-87	HCC	HBIC record.
Woolmer Forest	SU7930, SU7932, SU7933	1968-2005		
Woolmer Forest	SU7930	28-Jul-94	FR	Very abundant in bog to south.
Cranmer Bog, Woolmer Forest	SU7932	11-Sep-97	FR	Locally abundant – on hummocks.
Woolmer Forest	SU793332	21-Sep-03	ARGM	At SU7933 3320, surprisingly with lots still in flower, mainly in wettest part of this sphagnum bog that forms a clearing amongst the conifers, and confined to the NE part of the bog. Due to the drought conditions I walked across all of the bog without wellington boots.
Cranmer Bog	SU794327	28-Sep-05	ARGM & CRH	Scattered plants unusually accessible in currently dried up bog at SU7944 3275.
Cranmer Bottom, E of Blackmoor	SU795330	1968	EJ	Bog NE of Rifle Range No. 2.
Bordon, Hogmoor	SU7934	1988		
Bordon, Hogmoor	SU7934	1988	SP	Near old Bordon Station [of disused railway].
Langley	SU8029	1976-1987		
Langley	SU8029	1987	FR	In a small bog.
Langley, nr Liss	SU805295	09-Aug-81	FR	Small valley bog, 1mile ENE of The Wylds, Liss.
Weavers Down Bog	SU8131	1970-2004		
Weavers Down Bog	SU811313	11-May-03	ARGM	HWT Reserve – at SU8112 3136 on sphagnum tussocks in small quantity.
Weavers Down Bog	SU811314	22-Jul-04	ILR	HBIC record.

National Status: Endangered, Not Scarce, Archaeophyte**S Hants: Infrequent**

Archaeophyte

Still reasonably frequent and occasionally quite plentiful on arable margins on the Chalk in the area from Martin to Breamore, and around Broughton and Buckholt; scattered and rare elsewhere. It is unpredictable from year to year in a given site, and is certainly no longer “rather common” as in Townsend’s time; in fact it appears to have declined further since the 1996 *Flora*.

N Hants: Infrequent

Archaeophyte

In arable fields or field edges on base-rich soils. Our map shows clear evidence of a continuing decline due to modern farming methods. Comparison with the tetrad-level map in the 1996 *Flora* (which includes many older records only specified to tetrad level) shows that formerly it was far more plentiful, even extending north beyond the chalk to the border with Berkshire. Townsend (1883 & 1904) gives it as “Found in all the districts.... rather common”.

Valerianella eriocarpa Desv.**Hairy-fruited Cornsalad
1993****National Status: Rare, Native or Neophyte****S Hants: Rare**

Neophyte

Only one record; it should be looked for further on the Bournemouth cliffs.

Bournemouth	SZ0990	1993			
Bournemouth	SZ091908	18-May-93	RMW	c.SZ091908. Below Royal Bath Hotel. Base of cliffs. Source : Hb RMW	

N Hants: Not Recorded

Valerianella rimosa Bastard**Broad-fruited Cornsalad**

1837-2008

National Status: Endangered, Scarce, Archaeophyte**NERC S41****UK BAP Priority Species****S Hants: Rare or Extinct**

Archaeophyte

Also formerly recorded near Holdenhurst (SZ19) and around Iford Bridge (SZ19G), near Fordingbridge (SU11), near Marchwood, near Barton (SZ29), in the Romsey area (SU32), unverified from Rownhams (SU3818) and Corhampton (SU62A), at Sholing (SU41), and near Bramdean (SU62). Now perhaps gone completely.

Bossington	SU3331	1972		
Dibden Bay	SU4108	1979		
Sparsholt	SU4230	1969		
Compton Down	SU4526	1986-1988		
Compton Down	SU458269	1988	SAL	Border of corn field. Conf. PJW.
East Meon	SU6620	1958		
South Hayling	SZ7298	1922-1952		

N Hants: Rare

Archaeophyte

Confined to one extant site near Overton. Depending on the field's cultivation, it varies in quantity enormously each year, from none at all (1995 & 2000) to c.2,000 plants (2002 & 2003). This site is now in arable stewardship.

Quarley Hill	SU2642	1875		
Overton area	SU54	1986-2008		
Overton area	SU54	01-Aug-08	JRM	Frequent along the headland which had been cultivated last autumn. c.500 plants. [The farmer has requested that a precise grid reference is not given – ARGM]
Cow Down Copse	SU5850	1956		
Lord Wandsworth College	SU7446	1953		

Verbascum lychnitis L.**White Mullein**

1799-2005

National Status: Scarce, Native and Introduced**S Hants: Scarce**

Neophyte

An uncommon but sometimes persistent non-native denizen of disturbed ground, mostly associated with old or extant railway lines. Also formerly noted without corroboration from Sholing (SU41) and Exton (SU62).

Christchurch Station	SZ1593	2005		
Bargates etc	SZ1593	01-Jul-05	RMW	Christchurch Station.
Peartree Green, Southampton	SU4311	1981-1998		
Peartree Green	SU436116	1984	MS	Site 'rescued' and hand-cleared of debris by conservationists through H&IOW NT. Several rosettes present in spring, but only 3 flowered. 19 rosettes in the autumn.
Peartree Green	SU436118	23-Jul-85	RPB	2 flg/fruited plants, 11 leaf rosettes in c.10 yds. Bank of bare dumped railway ballast on edge of green.
Peartree Green	SU438117	07-Sep-98	PS & PJSe	2 plants in brambles.

S Eastleigh N of Southampton Parkway Stn	SU4517 SU453177	1994-1999 30-Jun-99	PJSe	W side of tracks at least 18 plants. [Noted as still present, but not formally recorded, in 2010.]
Shawford, N of	SU4726	1960		
Cosham Bowling Green Park, Cosham	SU6504 SU6504	1991 1991	RBa	

N Hants: Rare or Extinct

Neophyte

The only record is given as "In grounds of 'Caleas', Burghclere" so may have been in a garden.

Burghclere	SU4760	1971		
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***Vicia bithynica* (L.) L.**

Bithynian Vetch
1889-2007

National Status: Vulnerable, Scarce, Native and Introduced

S Hants: Rare

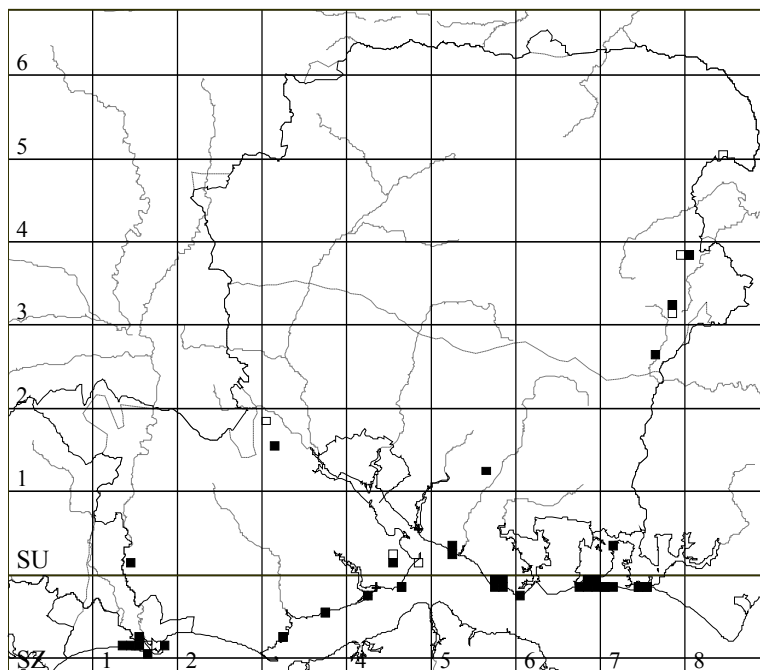
Probable Neophyte

Reported as "Extinct" in the 1996 *Flora*, but a new colony was found in Southampton in 2004. There are records from the Southampton area going back at least to the beginning of the 20th century and it would be tempting to think of it as a relict native, but there is no evidence of its presence in any semi-natural communities or its long persistence at the latest site. The sequence of records below shows its rapid rise and fall. Also formerly recorded at Milford on Sea (SZ29 or SZ39) and Bridgemary, Gosport (SU50).

Peartree Green, Southampton	SU4311	2004-2007		
Peartree Green	SU437118	17-May-04	ILR	Rough grassland and scrub at SU43723 11804
Peartree Green	SU437118	23-May-04	BGO, JGo & MR	At SU4371 1180. Confirming Ian Ralph's record. One solid patch about 1m x 1m. A more diffuse patch to its SW of about the same size. Scattered smaller plants over an area of about 25m x 10m running N and S of this.
Peartree Green, Southampton	SU437118	30-May-06	PAB	Only one small plant this year at SU4371 1180.
Peartree Green	SU438116	29-May-07	PAB	

N Hants: Not Recorded

National Status: Not Scarce, Native



S Hants: Infrequent

Native

Bare ground or open turf over sand or gravel, fairly frequent along the coast where suitable habitat exists. Away from the coast it is extremely rare, and only a couple of reliable recent records exist. There has almost certainly been confusion with small forms of *V. sativa* subsp. *nigra* on occasion. There is an old record from Netley (SU41).

N Hants: Rare

Native

A record for Aldershot SU848506, on a pathway through heathland near the Royal Pavilion, 1979, was published by Mundell (1981) but later rejected as unreliable, Mundell (1991). However, there is certainly suitable habitat for it in this area.

Hilliers Garden Centre, Liss	SU7626	1997			
Hilliers Garden Centre, Liss	SU7626	1997	FR		Garden weed in nursery.
Woolmer Forest	SU7831, SU7832	1966-1994			
Woolmer Pond and heath to East	SU7831	01-Sep-83	FR		In scrubby heath.
Woolmer Forest	SU787325	1966	AB		Military railway [3 locations].
Woolmer Forest: nr Cranmer Bottom	SU788327	1994	JDe		Railway, near the danger post.
Woolmer Forest	SU789329	1966	AB		Military railway [3 locations].
Kingsley Common	SU7938	1964-1966			
Trottsford Farm, Sleaford	SU8038	1961-1993			
Trottsford Farm, Sleaford	SU805383	1993	GM		Roadside.

Vicia lutea* L.*Yellow Vetch
?1951-2004****National Status: Near Threatened, Scarce, Native and Introduced****S Hants: Rare**

Probable Neophyte

It has continued to appear on a short-term basis in artificial habitats, usually former sand or gravel pits. Also recorded in the Wilverley area (SU20) and at Horsea (SU60H). The North Boarhunt site was being destroyed by infill in 1982.

Shave's Green, Blashford	SU1407	1964		
Knapp Mill, Christchurch	SZ1593	1924		
Blashford Lakes	SU1506, SU1507	1963		
Nursling Gravel Pit, nr Station Road	SU3616	1951-1957		
Southampton Station	SU4012	1955-1969		
Woodmill, Swaythling	SU4315	1927		
Lakeside, Eastleigh	SU4417	1997-2004		
Lakeside Park, Eastleigh	SU445177	08-Aug-02	PAB	
Lakeside Country Park, Eastleigh	SU447176	04-Jun-04	BGo & JGo	Patch c. 11 x 11 m. on either side of grassy path behind narrow gauge railway sheds, SU4475 1760
Lakeside, Eastleigh	SU447177	06-Jun-04	MR	
Lakeside, Eastleigh	SU448177	06-Jun-04	MR	See above.
Hundred Acres, North Boarhunt	SU6011	1956-1963		
North Browdown	SZ5899	1996		
North Browdown	SZ583997	15-May-96	DRA	[This record needs confirming.]

N Hants: Not Recorded***Vicia sylvatica* L.****Wood Vetch
1768-2001****National Status: Not Scarce, Native****S Hants: Rare**

Native

At the south-eastern edge of its main range in Britain, and always rare, it seems to be reduced to one site. The current lack of management in many woods will not favour it. Also rather improbably recorded from Bridgemaury (SU50) in 1919.

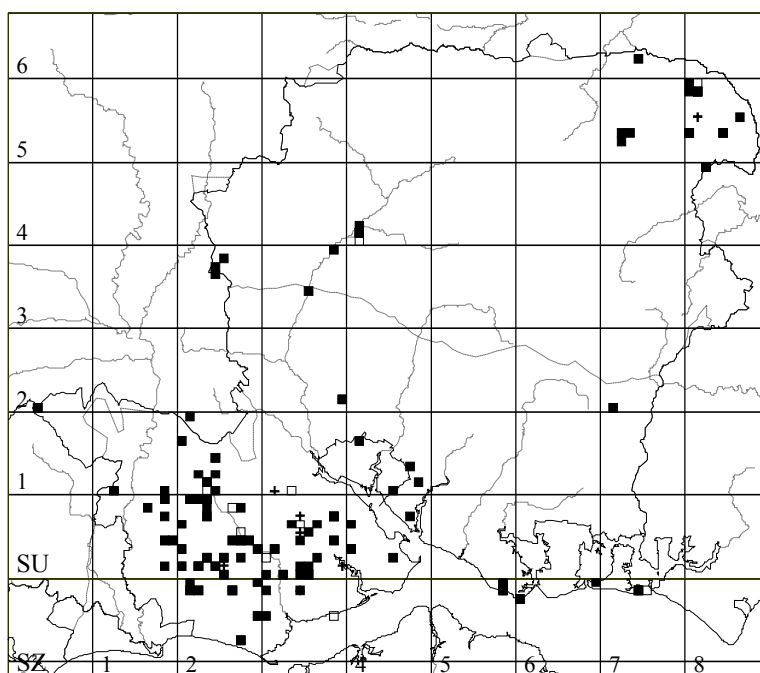
Boulsbury Wood	SU0814	1957- ?1984		
Hedgemoor Copse, West Tytherley	SU2630	1966		
Bottom Copse, Corhampton	SU5820	1995-2001		
Bottom Copse, Corhampton And Meonstoke	SU584205	04-May-01	JRow	HBIC record. Rare. [Grid ref nominal – is site centroid.]
Bottom Copse, Corhampton	SU587204	30-Jun-95	RPB	5 patches 0.5 – 2m diam. bearing flg and fr. racemes, 3 – 30m E of bridleway. See back of 18.6.1995 record card for details & assoc. spp. list.

N Hants : Probably Extinct

Native

There is an unlocalised site for Appleshaw in 1805, probably where it was refound in 1991.

Appleshaw, Long Copse	SU2948	1991			
Appleshaw, Long Copse	SU297484	May-91	ILR & CC	Hb.AB Specimen Bi2003.24.393, in a dark beech and larch plantation. [Searched for in vain, ARGM 2007].	

Viola canina L.**Heath Dog-violet****1844-2010****National Status: Near Threatened, Not Scarce, Native****S Hants: Not Ranked**

Native

Frequent and sometimes quite abundant on grass heaths and acid grassland on the New Forest where conditions are not too parched. Uncommon on heathy commons and acid grassland elsewhere, and occasionally on drift soils over chalk downland, as at Martin Down (SU0320) and Butser Hill (SU7120), or on the more leached soils in chalk-stream valley grassland, Stockbridge Common Marsh (SU3534); and exceptionally in brackish coastal grassland. Our plant is subsp. *canina*. Also formerly recorded at Boscombe (SZ19), Curdridge Common (SU51G), Shedfield Common (SU51R), and Southwick Common (SU60).

N Hants: Scarce

Native

In short turf on grassy heaths, usually on moderately acidic soils. At Porton Down, which is on the chalk, it grows in proximity to *Calluna vulgaris* in an area evidently overlain with more acid soil.

Porton Down	SU2436, SU2538	2004-2006		
Porton Down	SU242365	2006	PJW	Abundant at Roche Court Down.
Porton Down	SU243365	2005	PJW	At SU2432 3655.
Porton Down	SU243366	2005	PJW	At SU2437 3660.
Porton Down	SU244373	2006	PJW	One plant.
Porton Down	SU253380	2005	PJW	At SU2538 3802.

Chilbolton, West Down	SU3838, SU3839	1972-2002		
Chilbolton, West Down	SU3838	1972	AB	
Chilbolton – West Down (central point)	SU386390	21-May-02	PBi	
Bransbury Common	SU4140, SU4141, SU4142	1962-2010		
Bransbury Common	SU4140	10-May-79	AB	Hb.AB Specimen Bi2003.24.168.
Bransbury Common	SU416419	16-May-04	HFG	20+ at SU4163 4191, some of these may be hybrids with <i>V. riviniana</i> .
Bransbury Common	SU418418	1963	AWW	
Bransbury Marshes	SU418419	1963	AWW	
Bransbury Common	SU418420	09-May-10	ARGM & HFG	At SU4188 4204.
Silchester Common	SU6262	1980		
Bartley Heath	SU7253	1987-2010		
Bartley Heath, south part	SU728527	09-Jun-90	CRH	Still locally plentiful at south end of Bartley Heath.
Bartley Heath, Hook	SU728533	09-May-10	ARGM	At SU7289 5331, though some may be the hybrid with <i>V. riviniana</i> .
Bartley Heath, Hook	SU729532	09-May-10	ARGM	At SU7290 5329, though some may be the hybrid with <i>V. riviniana</i> .
Bartley Heath, Hook	SU729533	09-May-10	ARGM	Plentiful at SU7291 5334, SU7292 5331, SU7292 5334 and SU7292 5330, though some may be the hybrid with <i>V. riviniana</i> .
Bartley Heath, Hook	SU730534	01-May-96	AJPB	New populations growing near ponds.
Springwater Farm, Bramshill	SU7462	1988		
Springwater Fm, Bramshill	SU744621	19-May-88	CRH	Pasture on Springwater Farm, Bramshill. 10+ plants.
Fleet Cemetery	SU8053	1990		
Fleet Cemetery	SU801531	24-Apr-90	CRH	Acid grassland on right soon after entering. 100 plants in one spot, over 50 flowering.
Yateley Common	SU8058, SU8158, SU8159, SU8258	1970-1992		
Yateley Heath Wood, Hartfordbridge Flats	SU807584	24-May-87	CRH	SU8074 5847, behind Forest Lodge in Yateley Heath Wood.
Yateley Heath Wood	SU808586	18-Jun-87	CRH	SU8087 5861, among heather north of Forest Lodge.
Blackbushe Airport N	SU808594	07-May-89	CRH	80 plants at SU8084 5941 in grassland, N side of Blackbushe Airfield.
Yateley Common	SU812587	18-Jun-87	CRH	SU8129 5876, grassland just N of A30 on Yateley Common.
Yateley Common	SU817591	17-May-79	AB	Hb.AB Specimen Bi2003.24.160.
Yateley Common	SU818589	24-May-87	CRH	c.50 plants in grassy heath to north of A30, under planted trees.
Blackbushe airfield, SE	SU818591	1970	MR	Yateley Common. Piece of old turf by the waste-paper basket of the public picnic place.
Yateley Common	SU819588	1986	CRH	Both sides of the A30, SU8186 5885 & 8199 5886, c.15 plants.
Yateley Common	SU819589	12-May-92	CRH	52 plants beside A30 roundabout near Blackbushe where first shown to me by ARGM in 1984.
Yateley Common	SU820588	07-Jun-84	ARGM & CRH	15 plants on grassy road verge beside A30 roundabout, c.SU820588½, plus others further west at c.SU818½588½.
Fleet Pond, NW corner	SU8155	1875		
Bourley Reservoirs	SU8249	1986-1987		
Bourley Bottom	SU827497	1986	ARGM	SU827497½, c.12 plants on S margin of reservoir (with <i>V. lactea</i> on E margin).
Bourley Bottom, Ewshot	SU828498	1987	ARGM	c.12 plants at south side of southern reservoir.

Eelmoor Marsh	SU8453	1978-2010			
Eelmoor Marsh	SU841531	1978	ARGM		One plant that persisted only a few years, last seen 1978.
North Eelmoor	SU845538	15-May-10	CRH		
Eelmoor Marsh	SU846534	13-May-10	ARGM		
Farnborough Cemetery	SU8655	1998			
Farnborough Cemetery	SU866556	15-May-98	CRH		Very localised, about 20 plants at south end near chapel, c.SU866556½.

***Viola canina x lactea* Hybrid Heath x Pale Dog-violet 1875-1999**

National Status: Unlisted, Rare, Native

S Hants: Rare

Native

Sporadically recorded and perhaps under-recorded, but as the parents tend not to grow together, probably scarce at best. The following list includes some tentative identifications. Also formerly recorded at Poundhill Heath (SU20S) and perhaps in the Wickham Common area (SU51V).

Deadman Hill	SU2116	1980			
Nr Broadley Inclosure, Wootton	SZ2598	1929-1983			
Upper Pennington Common	SZ2995, SZ3095	1991			
Upper Pennington Common	SZ298954	25-Apr-91	MEY		c.SZ298954. Newly mown grass area of heath. (not stated if hybrid with <i>canina</i>).
Middle Common Road, Upper Pennington	SZ300953	1980	MEY		c.1980. Triangle of grass.
Roydon Woods, Setley Common, Brockenhurst	SU3100	1984			
Beaulieu Old Aerodrome	SU3501	1999			
Beaulieu Old Aerodrome towards Hawkhill	SU3501	10-May-99	BGo & JGo		With both parents on dry heathland near Hawkhill car park.
Gravelly Marsh, Warren Shore	SZ4196	1976			
Sandy Point, Hayling	SZ7498	1980-1996			
Sandy Point NR, Hayling Island	SZ749982	1996	FR		' <i>Viola lactea</i> hybridised out of existence'. [Not in fact the case.]

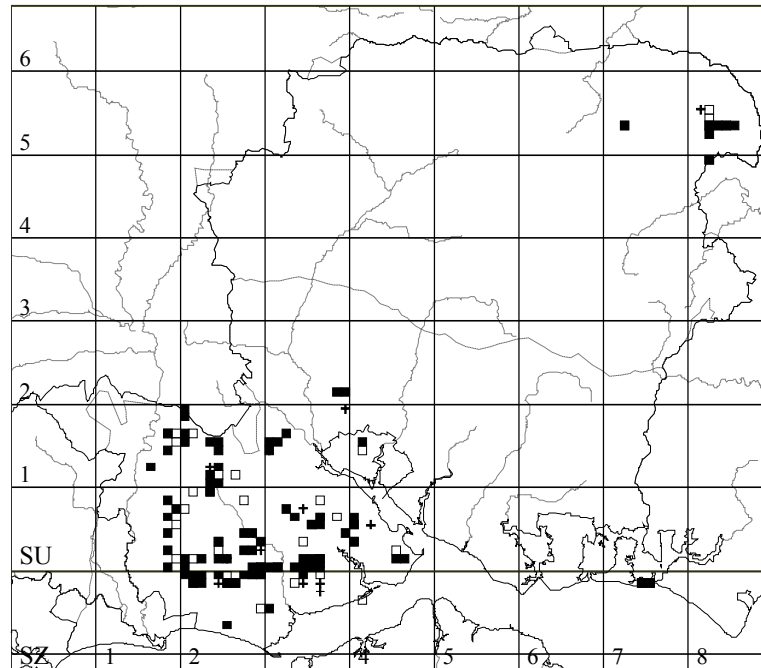
N Hants: Probably Extinct

Native

Townsend's 1904 *Flora* gives details of plants that WHB considered to be this hybrid, growing with both its parents at Fleet Pond. There is also an unlocalised record for Hook Common in 1910. In 2009 the HFG found a few plants at Bartley Heath that appeared to be this hybrid, growing close to both parents. However, MR sent some material of it to a researcher in Germany who is working on the genetics of North European *Viola*, and it came out as genetically indistinguishable from *V. canina*.

Fleet Pond, NW corner	SU8155	1875			
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National Status: Vulnerable, Scarce, Native
NERC S41
UK BAP Priority Species



S Hants: Not Ranked

Native

Grassy heathland and the open fringes of Gorse scrub, usually with recent disturbance and often damp. Frequent on the Forest (more so than the localised records on the map above suggest) although often in modest numbers. Otherwise it persists at Baddesley Common (SU3821 / SU3921), may persist at Southampton Common (SU4114 / SU4115), and despite rumours of its being hybridised out of existence at Sandy Point, Hayling (SZ7498), still exists there. Formerly also recorded around Bournemouth (?SZ19), at Otterbourne Common (SU42L), Hamble Common (?SU40Y) and Titchfield Common (SU50).

N Hants: Scarce

Native

On grassy heaths. Decreasing at some sites due to competing scrub or rank grass, but increasing well at other sites that are grazed, like Bartley Heath or Eelmoor Marsh. The plants recorded on heaths near Fleet Pond were a failed attempt at a re-introduction.

Bartley Heath	SU7253	1972-2010		
Bartley Heath	SU725533	1972	AB	One plant.
Bartley Heath	SU728533	11-May-10	ARGM	40 plants in this 100m square. 8 at SU7285 5338, 1 at SU7285 5339, 20 at SU7289 5332, 4 at SU7289 5333, 4 at SU7289 5335 and 3 at SU7289 5336.
Bartley Heath	SU728534	11-May-10	ARGM	66 plants in this 100m square. 6 at SU7288 5347 and 60 at SU7288 5348.
Bartley Heath	SU728535	03-May-09	HFG	Within this 100m square, one outlier at SU7286 5356.
Bartley Heath	SU729533	11-May-10	ARGM	119 plants in this 100m square. 1 at SU7290 5334, 58 at SU7290 5335, 21 at SU7291 5334, 9 at SU7291 5335, 20 at SU7292 5334, 8 at SU7292 5335, 2 at SU7293 5335.
Bartley Heath	SU729534	11-May-10	ARGM	13 plants in this 100m square. 1 at SU7290 5349, 11 at SU7295 5346 and 1 at SU7296 5347.
Fleet Pond, NW corner	SU8155	1875		

Bourley Reservoirs	SU8249	1986-2010		
Bourley Reservoirs	SU827498	11-May-10	ARGM	23 plants under very dense cover of young birch and pine on S margin of drained reservoir. 14 at SU8272 4982, 8 at SU8273 4982 and 1 at SU8273 4983. [Birch & pine removed locally, Feb 2011].
Bourley Reservoirs	SU828498	17-May-92	CRH	108 plants.
Bourley Reservoirs	SU828499	26-Oct-86	ARGM & CRH	Plants in two places, c.40 plants in a group at c.SU827½498 on south side of reservoir, and at least 12 more scattered plants at c.SU828499 on east side.
Fleet Pond Heath	SU8254, SU8255	1984-1986		
Crookham Common	SU8252	1995-2010		
Crookham Common	SU827529	12-Jun-10	ARGM	14 plants at SU8276 5299 on a raised bank beside a ditch, where refound by CRH on 4 Jun 2010. Not flowering due to deep shade from adjacent trees. These trees were removed in Sep/Oct 2010.
Pyestock Heath	SU8253, SU8353	1984-2010		
Pyestock Heath	SU828535	14-Jun-10	CRH	Three plants refound at SU8288 5356, rather hidden in a dense sward near the Poplar trees. This area is now grazed and the Carex hostiana here has responded extremely well.
Pyestock Heath	SU828539	29-Jun-90	CRH	Ride across Pyestock Heath at SU8289 5398, 19 plants and 30+ seedlings.
Pyestock Heath	SU829539	22-May-93	CRH	Last seen on ride across Pyestock Heath at c.SU829539½ on 22 May 1993. [This later became too rank, too shaded, badly burnt and finally damaged by MOD track upgrading].
Pyestock Heath, nr Norris Hill West	SU830534	18-Jun-00	CRH	10 plants at c.SU830534.
Eelmoor Marsh	SU8353, SU8453, SU8553	1975-2010		
Eelmoor Marsh	SU838533	28-Jul-09	CRH	18 small plants on Albion Track at SU8388 5330.
Eelmoor Marsh	SU838534	13-May-10	ARGM	10 plants in this 100m square. 9 at SU8388 5330 and 1 at SU8388 5331.
Eelmoor Marsh	SU839533	20-May-84	ARGM	
Eelmoor Marsh SSSI	SU840530	04-Aug-04	CRH	SU8405 5309. Towards S end of marsh, where last seen c.1980, 9 plants.
Eelmoor Marsh	SU840531	1991	ARGM	
Eelmoor Marsh	SU840535	08-Jun-09	CRH	On verge of Dennis Track, 33 plants in c.3m x 1m at SU8405 5350.
Eelmoor Marsh	SU840536	13-May-10	ARGM	20 plants at SU8408 5362.
Eelmoor Marsh	SU841531	1983	ARGM	c.10 plants, since declined or disappeared here.
Eelmoor Marsh	SU844534	25-May-06	CRH	700 plants estimated at SU8448 5348 to SU8451 5347 and small numbers in mown heath to west, SU8440 5347.
Eelmoor Marsh	SU845534	29-Jun-10	CRH	388 plants in this 100m square. 94 at SU8456 5348, 29 at SU8455 5347, 10 at SU8453 5343, 44 at SU8455 5342, 98 at SU8456 5340, 113 at SU8458 5340.
Eelmoor Marsh	SU845535	1990	ARGM	Hundreds of plants, amazing !, 1986-1990.
Eelmoor Marsh	SU845537	29-Jun-09	CRH	Guy Track verge by cattle grid, 25 plants at SU8454 5372, numbers decreasing due to invasion by Rubus.
Eelmoor Marsh	SU846534	29-Jun-10	CRH	59 plants at SU8463 5347.
Eelmoor Marsh	SU846535	13-Jun-03	CRH	SU8464 5355. 238 plants in a shallow depression 6m across.
Eelmoor Marsh	SU846535	03-May-06	CRH	30 plants in grazed lawn by Whirlwind Track, SU8464 5351.
Eelmoor Marsh	SU846536	1983	ARGM	A few plants, since declined or disappeared here.
Eelmoor Marsh	SU847535	1985	JK	Several at c.SU847535½, since declined or disappeared here.

Farnborough Airfield SU8553	1993-2005			
Farnborough Airfield SU852536	02-Sep-05	JMil	Occasional in short heath turf within the active airfield at SU8526 5369, near where found by CRH in 1993.	
Farnborough Airfield SU852537	May-93	CRH	Locally frequent in grassland at c.SU852537 with <i>Genista anglica</i> .	
Farnborough Airfield SU854538	24-May-93	ARGM & CRH	Very locally frequent.	
Farnborough Airfield SU855535	04-Jun-93	CRH	A single plant of pure <i>V. lactea</i> at c.SU855½535½ (with a large colony of the hybrid <i>V. riviniana</i> x <i>lactea</i> about 100m further south).	
Farnborough Airfield SU856538	21-Jun-01	CRH	Refound at 1993 site, 180 plants in a grassy sward kept relatively open by mowing.	

Viola riviniana* x *lactea

Hybrid Common x Pale Dog-violet 1880-2010

National Status: Unlisted, Scarce, Native

S Hants: Scarce

Native

A directed search and examination of specimens would probably take this out of scarce status. It seems to be a much commoner hybrid than *V. canina* x *lactea*.

Linford Bottom, nr Pinnick Wood	SU1807	1958		
Cunninger Bottom	SU1916	1965-1997		
Millersford Bottom SU195164		14-Jun-97	RPB, PJSe & MCo	Deadman Hill. One plant in fruit near road.
Cunninger Bottom, nr. Deadman Hill	SU196164	18-May-76	RPB	Grassy gully among gorse N of road. Very local, few plants. Hb.RPB 76/189/3.
Thorney Hill	SU2000	1976		
Holmsley Crossing	SU2201	1976		
Barton Common	SZ2593	1986		
Boundway Hill	SZ2698	2010		
Boundway Hill, Sway SZ262987		16-May-10	MR & GCo	Associates of <i>V. lactea</i> at SZ2622 9874.
Latchmoor, Brockenhurst	SU2800	1972		
Pennington Common	SZ3095	1986		
Copythorne Common	SU3115	2000		
Copythorne Common E SU319154		14-May-2000	MR	With both parents along margins of cleared gorse scrub.
Matley	SU3207	1996-2010		
Matley SU329078		16-May-96	MEY	Agreed with GDF.
Matley SU329078		09-May-10	MR, GCo & PSt	1 at SU3299 07831.
Matley Heath, New Forest	SU330077	09-May-10	MR, GCo & PSt	2 at SU3301 0779, 1 at SU3303 0779.
Matley Wood	SU330078	09-May-10	MR, GCo & PSt	2 fl at SU3300 0781, 1 at SU3303 0780, 1 at SU3304 0786.
Crockford Bridge	SZ3598	1971-1976		
East Boldre, nr Broomhill Farm	SZ3698	1986		
B3054 nr Hill Top	SU4003	1986		
Badminston Common	SU4601	2010		
Badminston Common SU460019		19-Jun-10	HFG	At / around SU4604 0196 with both parents.

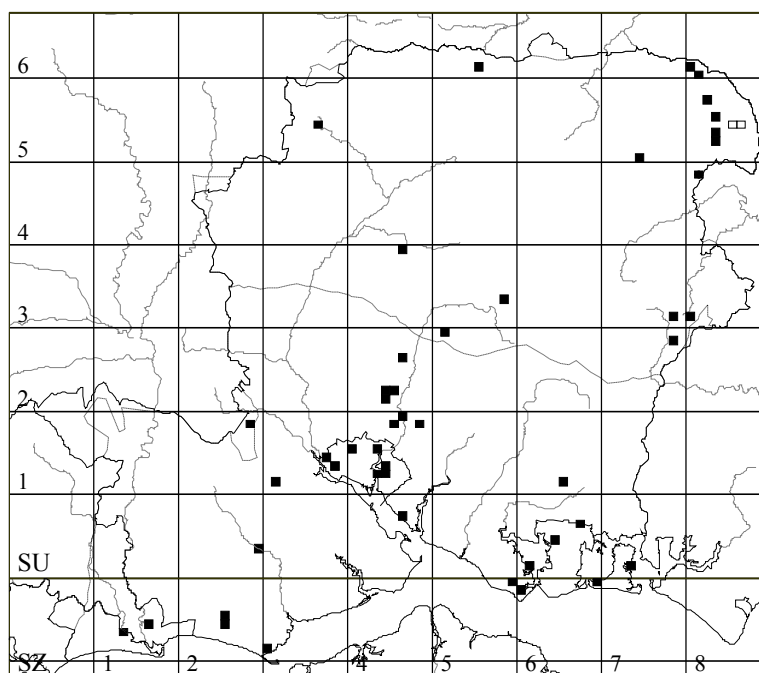
N Hants : Scarce

Native

This hybrid is probably more frequent amongst *V. lactea* colonies than the records suggest. Indeed hybridisation may present a threat to colonies of *V. lactea*, as hinted in the 1996 *Flora*. Although the 1880 Fleet Pond record is given as SU8155 in the 1996 *Flora*, the tetrad SU85H is probably nearer the truth.

Bartley Heath	SU7253	2005-2009		
Bartley Heath N	SU728535	07-Sep-05	FJR	On edge of track at SU7280 5350 just north of pylon base, no pure <i>V. lactea</i> found at this spot.
Bartley Heath, Hook	SU729533	03-May-09	HFG	Though most of the huge nearby colony of <i>V. lactea</i> appears pure, this hybrid is scattered at SU7293 5334 with both its parents nearby.
Fleet Pond	SU8155	1880		
Pondtail Heath	SU8253	1990		
Pondtail Heath	SU8253	1990	ARGM	
Eelmoor Marsh	SU8353, SU8453	1981-2010		
Eelmoor Marsh	SU839533	1990	ARGM	Several amongst <i>V. lactea</i> .
Eelmoor Marsh	SU846534	13-May-10	ARGM	Probably more widespread amongst the <i>V. lactea</i> colonies, but noted at SU8463 5347 and SU8463 5348. The <i>V. riviniana</i> seems to prefer more shade so the hybrid here is shaded by gorse.
Farnborough Airfield	SU8453, SU8553	1990-1993		
Farnborough Airfield	SU848534	1990	ARGM	One plant.
Farnborough Airfield	SU852534	04-Jun-93	CRH	A large patch north of Stirling Way c.SU852534. [Date not 1994 as given in the 1996 <i>Flora</i>].
Farnborough Airfield	SU855534	04-Jun-93	CRH	Large clonal patch near Swordfish Way, c.SU855½534½. [Date not 1994 as given in the 1996 <i>Flora</i>].

National Status: Near Threatened, Not Scarce, Native



S Hants: Infrequent

Native and Neophyte

It continues to be widely if sparsely recorded; a recent survey of arable plants on Southampton allotments revealed it to be frequent in small quantity. However it is often only a casual.

N Hants: Infrequent

Native and Neophyte

There are scattered records but some may refer to 'reverted' garden pansies. It is rare as a native though often its status is uncertain. There are also some recent records of *V. x contempta* (*V. arvensis* x *tricolor*) in arable fields, e.g. Fair Oak (near Ashford Hill) and north of Danebury Hill.

***Vulpia ciliata* Dumort. subsp. *ambigua* (Le Gall) Stace & Auquier Bearded Fescue
1919-2009**

National Status: Scarce

Native and Introduced

S Hants: Scarce

Native

A plant of coastal sands with just two native sites here, that has colonised bare ground and roadsides in a few places, often at some distance inland.

Lansdown Road, Bournemouth	SZ0991	2006		
Car Park, Lansdown Road, Bournemouth	SZ094917	22-May-06	RMW	Car park which has not been tarmaced, SZ0946 9177. HRPR Card 2006/13.
Markway Hill	SU2402, SU2403	1987-1988		
Markway Hill, Rhinefield	SU243025	05-Jun-88	RPB	SU243025 – 247030. W side of track of old road on bare gravel/tarmac. Locally abundant over 400–500m or more.
Markway Grazing Strip	SU246028	1987	RMW	Grass perimeter strip outside inclosure.
Markway Hill	SU247030	02-Jul-88	RPB	W side of track of old road on bare ground/tarmac Det CAS.

B3056, Matley	SU3207, SU3307	1990-1991		
B3056 Matley	SU329074	17-Jun-91	RPB	On tarmac remains of old section of road few plants Det CAS Hb RPB
B3056 Matley	SU330074	09-Jun-90	RPB	See above.
B3056, Stephill Bottom	SU3505	1997		
Stephill Bottom	SU359055	05-Jun-97	NAS	B3056 Verge U1f Grassland.
Yew Tree Heath	SU3606	1990-1997		
Yew Tree Heath	SU363063	17-Jun-91	RPB	On remains of tarmac path at old camp site v few plants Det CAS Hb RPB.
Yew Tree Heath	SU365063	01-Jun-97	NAS	
Southampton Docks	SU3912	1958		
Sinah Common, Hayling	SZ6998, SZ6999, SZ7098, SZ7099	1919-2000		
Sinah Common, Hayling Island	SZ693989	02-Jun-78	FR & ECW	c.SZ693989 – 693990. Fixed dune turf on golf course. Locally dominant. Specimen not collected.
Sinah Common, Hayling Island	SZ693990	02-Jun-78	FR & ECW	See above.
Sinah Common	SZ694993	11-Jun-00	ILR	HBIC record.
Gunner Point, Hayling Island	SZ699989	?1976	SRD	SZ699989 – 708989. Site as 'South Hayling'. Sandy ground with short turf close to track running west to south of golf course. Compiler: R.P. Bowman
S Hayling	SZ708989	?1976	SRD	See above.
Sandy and Black Points, Hayling	SZ7598	1989-2009		
Sandy Point	SZ750981	20-May-09	ILR	HBIC record. Rare.
Sandy Point, Hayling Island	SZ750983	03-Jun-89	RPB	Bare sand foot of bank by path E of fence. Det CAS Hb RPB, plentiful over 3m.
Sandy Point, Eastoke	SZ750984	04-Jun-02	JAN, DRA & EJC	SZ7509 9833, in short turf behind the beach.
Black Point, Hayling Island	SZ750989	03-Jun-89	RPB	Bare sand in dune hollow S of car park. Det CAS Hb RPB, small quantity.

N Hants: Rare

Doubtfully Native

At Woolmer it grows in a sparsely-vegetated, dry, sandy road-verge, together with *Hypochaeris glabra* and *Teesdalia nudicaulis*. There is also an unlocalised record for Farnborough in 1968.

Woolmer Road, Greatham	SU7831	1992-2003		
Woolmer Road	SU789313	21-Sep-03	ARGM	At SU7890 3134 on S side of road on a sandy bank beside an MOD entrance off Woolmer Road.
Woolmer Road, Greatham	SU789314	1996	FR	On both sides [of road].
Woolmer Road	SU7931	06-Aug-93	FR et al	

***Vulpia fasciculata* (Forssk.) Fritsch**

Dune Fescue
c. 1860-2010

National Status: Scarce, Native

S Hants: Scarce

Native

On coastal sand and sandy shingle, widely if thinly distributed. There is also a record from Keyhaven / Hurst (SZ39A). The earliest record is from the south west of Portsea (SZ69), as *Festuca uniglumis*.

Hengistbury Head	SZ1790	2007		
Hengistbury Head	SZ1790	30-Jun-07	DWo & MWO	

Mudford Spit, Hengistbury	SZ1891	1990-2007		
Hengistbury Head	SZ182912	19-May-07	HFG	At SZ1826 9128 and elsewhere in SZ1891, locally abundant.
Hengistbury Head	SZ182913	23-May-92	RPB	Sand spit behind I patch 10x10m.
Hurst Castle	SZ3189	2007		
Hurst Castle Beach & Marsh	SZ3189	01-Jul-07	DWo & MWo	
Lepe Shore	SZ4598	1977		
Eastney	SZ6798, SZ6898, SZ6899	1950-1992		
Eastney shore	SZ674988	18-Jun-88	RPB	Shingle along groyne.
Eastney Shore	SZ678989	21-Jun-92	DPJS	SZ6760 9890 to 6825 9901. Sandy shingle on beach. Scattered groups of plants along beach. S and SW of caravan Park. (Most obvious at base of shingle bank on S. side of caravan park). Expert : RPB 8.7.92.
Eastney Shore	SZ682990	21-Jun-92	DPJS	See above.
Sinah Common, Hayling	SZ6998, SZ6999, SZ7098	1936-1999		
Hayling Dunes	SZ690992	26-May-97	EAP	
Sinah Common Golf Course & Beach	SZ690995	1960	AWW	
Gunner Point, Hayling Island	SZ693989	04-Jun-88	RPB	Sand/fine shingle dune. Hb RPB 88/156/4.
Sinah Common	SZ694993	01-Jun-78	FR	HBIC record.
Gunner Point, Hayling Island	SZ696989	11-Jul-1972	RPB	On sand/shingle of beach and dunes, Sinah, Hayling Island. Quite widespread and plentiful.
Hayling Island, Sinah Common	SZ6999	17-May-99	BGo & JGo	On dunes & sandy shingle on Sinah Common.
Hayling Island, SW Shore	SZ7098	08-Jun-79	FR	Dune and beach to west.
Beachlands, Hayling	SZ7098, SZ7198	1988-2009		
Miniature Golf Links Surround	SZ704989	14-Jul-08	ILR	HBIC record. Rare, SZ7040 9895.
Beachlands Central	SZ705988	30-Jun-08	ILR	HBIC record. Rare, SZ7056 9884.
Beachlands Little Robin Site	SZ706988	20-Jun-00	ILR	HBIC record. SZ7063 9883.
Beachland, Hayling Island	SZ708989	05-Jun-04	BGo & JGo	On heap of sand.
Beach Huts Sand & Shingle	SZ709988	01-Jul-08	ILR	HBIC record. Occasional.
Norfolk Crescent Lawns And Scrub	SZ709989	01-Jul-08	ILR	HBIC record. Occasional.
Royal Hotel Lawns	SZ712988	13-May-09	ILR	HBIC record. Rare, SZ7125 9885.
Westfield, Hayling	SZ7198	2002-2009		
West of South Hayling Carpark	SZ716987	17-Jun-02	PAB	
Beachlands	SZ717988	11-May-09	ILR	HBIC record. Rare.

Sandy Point and Black Point, Hayling	SZ7498, SZ7598, SZ7599	1972-2010		
Hayling Island Beach	SZ746980	18-May-09	ILR	HBIC record. Rare.
Sandy Point	SZ750981	20-May-09	ILR	HBIC record.
Sandy Point, Hayling Island	SZ750983	29-Jul-10	MR & GCo	Occasional.
Sandy Point, Eastoke	SZ750984	04-Jun-02	JAN, DRA & EJC	Plentiful in the general locality, SZ75076 98394, specimen.
Black Point, Hayling Island	SZ750986	04-Jun-02	JAN, DRA & EJC	On the bank, frequent. Also near the Lifeboat Station, frequent on the bank, SZ75041 986511 (GPS) – specimen.
Black Point, Hayling Island	SZ750987	10-May-03	HFG	
Black Point, Hayling Island	SZ750989	03-Jun-89	RPB	c.SZ750989. Sand dune. Hb RPB 89/154/2.
Hayling Island Sailing Club	SZ750990	06-Jun-00	RMW	
Shingle Near Sandy Point	SZ751984	24-Jun-95	RPB	HBIC record.

N Hants: Not Recorded

Vulpia unilateralis (L.) Stace

Mat-grass Fescue 1955-2007

National Status: Unlisted, Scarce, Native

S Hants: Extinct

Native or Neophyte

Recorded by track sides and old bomb craters at Farley Mount (SU4129) between 1956 and 1960.

N Hants: Rare

Native or Neophyte

On almost bare chalk. There is also a tetrad-level record for a grassy track at Lower Abbotstone Wood, near Alresford.

Porton Down	SU2536, SU2537	1994-2003		
Porton Down, Isle of Wight Hill	SU250373	07-Jun-03	ARGM & DG	On bare chalk patch at SU2501 3734.
Franklin's Well, Isle of Wight Hill, Porton Range	SU256369	26-Jun-94	ARGM	About 10 plants scattered over an area of very bare, open dry chalk at SU256369½ near a couple of large mature beeches. Initially found by PJW who was not totally certain of its identity, but ARGM's slides later confirmed by EJC et al.
Micheldever Spoil Heaps	SU5144, SU5244	1955-2000		
N of Micheldever Station	SU519441	13-Jun-64	RPB	Recorded as <i>Nardurus maritimus</i> . The Scrubs, Micheldever Station. Surface of track, south of beechwood. Locally in small quantity.
Micheldever Spoil Heaps HWT reserve	SU519443	30-May-64	RPB	Recorded as <i>Nardurus maritimus</i> . c.SU519443, chalk railway spoil heaps. Local, thinly scattered plants.
Micheldever Spoil Heaps	SU519444	02-Jul-96	EAP & EJC	3 at SU51977 44449, 11m SE of electricity post. 1 at SU51964 44453 beneath power lines 9m SW of post. 4 at SU51967 44449 at 10.5m SSW of post, 5+ at SU51973 44452 at 5m SSE of post. 1 at SU51966 44447.
Micheldever Spoil Heaps	SU519445	02-Jul-96	EAP & EJC	One plant at SU5198 4455.
Micheldever Spoil Heaps	SU520443	30-May-64	RPB	Hb.RPB Specimen 1485, chalk spoil heaps.
Micheldever Spoil Heaps	SU520444	1991	AJB	
Micheldever Spoil Heaps	SU520447	01-Jul-00	SP et al	One plant, c. SU520447.

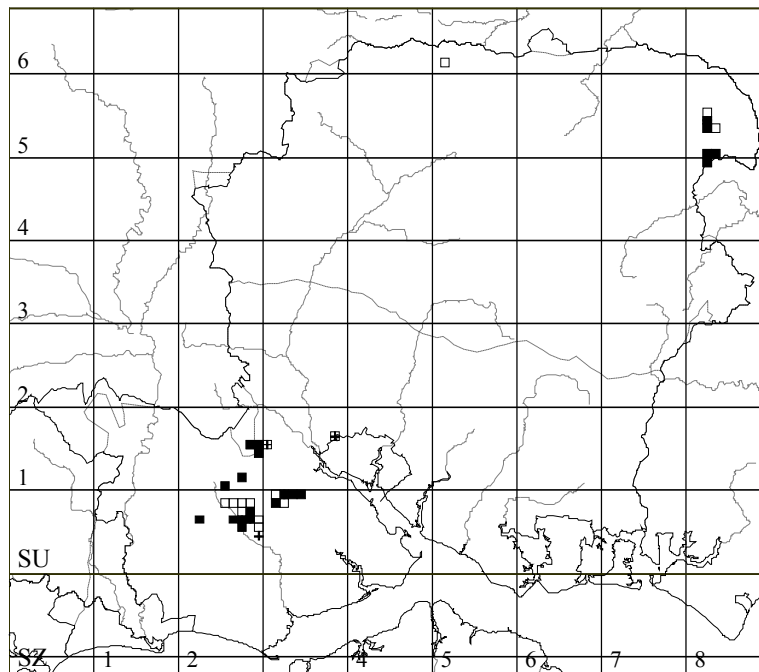
**Micheldever Spoils, SU5245 2006-2007
northern part**

Micheldever Spoil SU520450 20-May-07 ARGM Hb.ARGM. This confirms the dried-up plants found earlier on 30 July 2006. Refound in same spot at SU5202 4504. At least 7 plants along top edge of the chalk mound, facing the golf course. Flowers have three stamens so cannot be *V. bromoides*. The plant collected had been dug up by rabbits.

***Wahlenbergia hederacea* (L.) Rchb.**

**Ivy-leaved Bellflower
1777-2010**

National Status: Near Threatened, Not Scarce, Native



S Hants: Infrequent

Native

In wet woodland glades and rides, grassy stream banks and margins of seepage mires, often tolerating a good deal of poaching. Concentrated in an area either side of Lyndhurst and in the Cadnam area. Since it has recently been the subject of a targeted search of sites, the decline shown on the map is thought to be real. Certainly it has suffered on individual sites in the Inclosures from overshadowing, ride improvement and the re-engineering of watercourses. The site at Rownhams (SU3816) was lost in 1972.

N Hants: Rare

Native

Because of a mix-up with grid references, the record published in the 1996 *Flora* as 'Ashford Hill SU5661' was actually found on a tractor track in a woodland ride near Cheam School, SU5161. Formerly abundant on the ditch sides at Bourley, but they are no longer mown and have become overgrown, so *Wahlenbergia* is now close to extinction there and may also have been lost from the Gelvert Stream. There is an old unlocalised record for Woolmer Forest.

Cheam School, near SU5161 1986

Fleet Pond, northern part of Gelvert Stream SU8254 1974-2010

Fleet Pond	SU824548	12-Jul-90	CRH	Persisted until this date in the swampy glade in Coldstream Wood, just north of the Gelvert Stream, when only four plants were found.
Fleet Pond	SU824549	1986	ARGM	
Fleet Pond	SU825547	15-Jun-10	CRH	Still just hanging on, with only 12 plants at SU8254 5472 in a gap between ferns and grasses.
Fleet Pond	SU825548	1984	ARGM	c.SU825548, re-introduced on Gelvert Stream.

Gelvert Stream, Norris Hill and Pyestock area	SU8254, SU8253, SU8353	1985-1998		
Gelvert Stream, SE of Fleet Pond	SU827543	1986	ARGM	
Gelvert Stream, Pyestock Heath	SU828541	08-Jun-90	CRH	Small patch on the stream bank, not seen since 1990.
Gelvert Stream, Norris Hill	SU829533	23-May-98	CRH	On the stream bank at c.SU829½533½, where first found in 1984. The size of the patch varied year to year, but the bank collapsed during the following winter and it has not been refound there since.
Pondtail, Fleet	SU8254	1932		
Bourley, Aldershot	SU8249, SU8250, SU8350	1977-2008		
Bourley, Aldershot	SU823498	10-Jul-91	CRH	Three patches at SU823½498½ and more at SU823498.
Bourley, Aldershot	SU824498	10-Jul-91	CRH	Four small patches at SU824½498½.
Bourley, Aldershot	SU824499	10-Jul-91	CRH	Colonies still widespread in the ditch system, ranging from a few plants to large patches.
Bourley Bottom, Aldershot	SU825498	1978	ARGM	Locally frequent at several places, e.g. SU825498.
Bourley, Aldershot	SU825500	16-Jan-97	CRH	Very locally plentiful beside a drain at SU825500½, with <i>Anagallis tenella</i> .
Bourley, Aldershot	SU825501	10-Jul-91	CRH	A total of 22 colonies found during a search of part of the ditch network, where it was much more abundant in 1984. Best colony at SU825½501 and very plentiful at SU825501.
Bourley, Aldershot	SU826502	10-Jul-91	CRH	Small amounts in ditch system at SU826502.
Bourley Bottom	SU827497	1977	ARGM	Locally abundant.
Bourley, Aldershot	SU827501	29-Apr-97	CRH	Young plants beside drainage channel at c.SU827501½, reappeared following winter forestry thinning.
Bourley Bottom, Aldershot	SU827502	28-Jul-08	ARGM	One tiny young plant beside ditch at SU82716 50207. [In Feb 2011 trees were felled locally to admit more light in the hope of reviving it].
Bourley Bottom	SU828502	1977	ARGM	Locally abundant.
Bourley, Aldershot	SU829501	21-Jul-96	CRH	Still fairly plentiful in two places on channel sides c.SU829½500½, but now very localised. Habitat unmanaged and becoming shaded.
Bourley Bottom, Aldershot	SU829502	1990	ARGM	
Bourley Bottom, Aldershot	SU830502	1990	ARGM	

Zostera L.

Eelgrasses 1724-2010

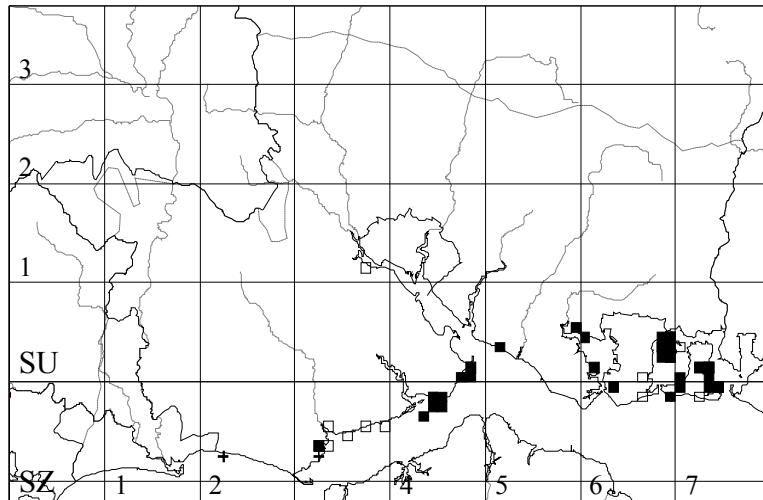
There have been several surveys in recent years, starting with that carried out by Colin and Jenni Tubbs in 1980, and most recently in 2008-2010 by the Hampshire and Isle of Wight Wildlife Trust. These, and other records, are summarised in Dale & Chesworth (2010). Not all records can be reliably localised to a 1km square, so some do not appear on the map. The 1996 *Flora* gives an excellent summary of their distribution and ecology, and a more complete picture of their past distribution not fully reflected in the maps below, which only show records localised to 1km square or better.

Zostera species made a significant recovery from the disease which severely reduced populations in the 1930s, and the main threats now come from dredging for seafood. This not only mechanically damages the plant, but also apparently softens the substrate, increases turbidity and encourages the formation of algal mats, presumably by releasing nutrients from the bed.

Zostera marina L.**Eelgrass**
1724-2010**National Status: Near Threatened, Not Scarce, Native**
Bern Convention**S Hants: Infrequent**

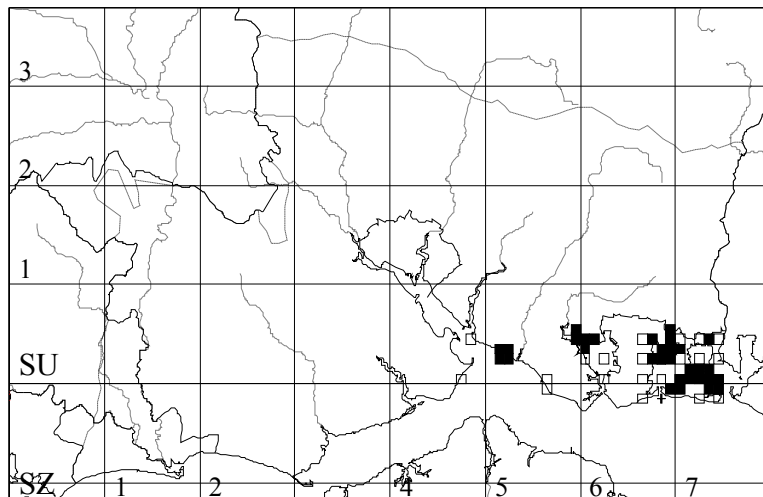
Native

Z. marina sensu stricto is largely a plant of the more open waters below the intertidal. Records from the eastern harbours are likely to be of *Z. angustifolia*, which occurs in the more sheltered intertidal but which many recorders do not distinguish as a separate taxon. However ILR and MR have recorded this from the Langstone and Chichester sides of Hayling respectively, and other observers have noted it, or referred to the "narrow-leaved form of *Z. marina*", in various areas which it has not been possible to localise.

**N Hants: Not Recorded****Zostera noltei Hornem.****Dwarf Eelgrass**
1856-2009**National Status: Vulnerable, Scarce, Native****S Hants: Infrequent**

Native

Z. noltei is a plant of two distributions. It grows in firm mud or sand at the lowest levels of the intertidal, where it meets *Z. marina*, but appears to have been lost from large tracts of this habitat and is now rare there. It also appears in the sheltered eastern harbours, sometimes on much softer substrates and at high levels in the intertidal. Here, while it has been damaged by exploitation and generally increased turbidity and eutrophication, it still appears reasonably widespread although populations are often diminished.

**N Hants: Not Recorded**

Appendix A: Locally Extinct or Lost Taxa

Taxon		Last seen
<i>Achillea maritima</i> (L.) Ehrh. & Y.P. Guo	Cottonweed	1891
<i>Apera interrupta</i> (L.) P. Beauv.	Dense Silky-bent	1962 (as casual)
<i>Arnoseris minima</i> (L.) Schweigg. & Körte	Lamb's Succory	1938
<i>Bromus arvensis</i> L.	Field Brome	2007 (as casual)
<i>Bromus interruptus</i> (Hack.) Druce	Interrupted Brome	1906
<i>Bromus pseudosecalinus</i> P.M.Sm.	Smith's Brome	1890
<i>Bupleurum rotundifolium</i> L.	Thorow-wax	2009 (as casual / planted)
<i>Carex depauperata</i> Curtis ex With.	Starved Wood-sedge	1920
<i>Carex x muelleriana</i> F.W. Schultz	Hybrid Distant x Tawny Sedge	1941
<i>Carex x pseudoaxillaris</i> K. Richt.	Hybrid False Fox x Remote Sedge	1966
<i>Centaurium tenuiflorum</i> (Hoffmans & Link) Fritsch	Slender Centaury	1883
<i>Chenopodium chenopodioides</i> (L.) Aellen	Saltmarsh Goosefoot	1934
<i>Chenopodium urbicum</i> L.	Upright Goosefoot	1983 (persisting for a few years previously)
<i>Clinopodium calamintha</i> (L.) Stace	Lesser Calamint	1933
<i>x Dactyloдения wintoni</i> (Druce) Peitz	Hybrid Chalk Fragrant-orchid x Southern Marsh-orchid	1932
<i>Damasonium alisma</i> Mill.	Starfruit	1917
<i>Diphasiastrum complanatum</i> (L.) Holub	Issler's Clubmoss	?1866
<i>Eryngium campestre</i> L.	Field Eryngo	1985 (single plant, persisting for a couple of years before being destroyed)
<i>Filago gallica</i> L.	Narrow-leaved Cudweed	1928
<i>Galeopsis segetum</i> Neck.	Downy Hemp-nettle	1837
<i>Galium tricorutum</i> Dandy	Corn Cleavers	1966
<i>Hieracium cantianum</i> F. Hanb.	Kent Hawkweed	1938
<i>Huperzia selago</i> (L.) Bernh. ex Schrank & Mart.	Fir Clubmoss	1906
<i>Melampyrum cristatum</i> L.	Crested Cow-wheat	1873
<i>Microthlaspi perfoliatum</i> (L.) F.K. Mey.	Perfoliate Penny-cress	1987 (probable introduction)
<i>Montia fontana</i> L. subsp. <i>variabilis</i> Walters	Blinks	1962
<i>Neottia cordata</i> (L.) Rich.	Lesser Twayblade	1930
<i>Ophrys sphegodes</i> Mill.	Early Spider Orchid	1971
<i>Orobanche alba</i> Stephan ex Willd.	Thyme Broomrape	1963
<i>Petrorhagia nanteuillii</i> (Burnat) P.W. Ball & Heywood	Childing Pink	1968 (later records from Hayling are of the closely related alien species <i>P. dubia</i>)
<i>Pimpinella major</i> (L.) Huds.	Greater Burnet-saxifrage	?? (most records for this species, including the most recent in 1985, are considered dubious, or recording errors)
<i>Potamogeton friesii</i> Rupr.	Flat-stalked Pondweed	1933
<i>Prunella laciniata</i> (L.) L.	Cut-leaved Self-heal	1974 (4 plants of the hybrid <i>P. x intermedia</i> turned up in a horse-pasture in 2005)
<i>Puccinellia x krusemaniana</i> Jansen & Wacht.	Hybrid Common x Reflexed Saltmarsh Grass	1981
<i>Ranunculus ophioglossifolius</i> Vill.	Adder's-tongue Spearwort	1878
<i>Rumex maritimus</i> L.	Golden Dock	?1922 (apart from a very doubtful record of 1966)
<i>Rumex palustris</i> Sm.	Marsh Dock	1848
<i>Scirpoides holoschoenus</i> (L.) Soják	Round-headed Club-rush	1699
<i>Silene conica</i> L.	Sand Catchfly	?1962 (as casual)
<i>Sium latifolium</i> L.	Greater Water-parsnip	1966
<i>Spiranthes aestivalis</i> (Poir.) Rich.	Summer Lady's-tresses	?1961
<i>Stachys germanica</i> L.	Downy Woundwort	1872
<i>Suaeda vera</i> Forssk. ex J.F.Gmel.	Shrubby Sea-blite	1874
<i>Teucrium chamaedrys</i> L.	Wall Germander	1976 (as casual)
<i>Veronica spicata</i> L.	Spiked Speedwell	1839 (status uncertain)
<i>Vicia oroous</i> DC.	Wood Bitter-vetch	1879
<i>Vicia parviflora</i> Cav.	Slender Tare	1928

Appendix B: Dubious Recorded Taxa

<i>Carex x turfosa</i> Fr.	Hybrid Tufted x Common Sedge	Undated, unlocalised record from near Winchester in Stace (1975), no specimen known
<i>Drosera x belezeana</i> E.G. Camus	Hybrid Round-leaved x Oblong-leaved Sundew	Recorded from eastern New Forest in 1969 by Prof. D A Webb and noted in Stace (1975). No specimen known
<i>Geranium purpureum</i> Vill. subsp. <i>purpureum</i>	Little Robin	Records of this subspecies from the area of Sinah Golf Course, Hayling have all been reassigned to subsp. <i>forsteri</i> . There remains a single 2005 record from farther east on Hayling that requires re-examination.
<i>Parnassia palustris</i> L.	Grass-of-Parnassus	Records given in Townsend (1904) all appear to be unvouched

Appendix C: Species for Later Treatment or Review

Taxa that will for certain be treated in a future update on the Internet are shown in bold. Others are for further consideration.

<i>Acorus calamus</i> L.	Sweet-flag	Nationally considered as neophyte. Local scarcity to be assessed for 'Alien of Interest' status
<i>Agrimonia procera</i> Wallr.	Fragrant Agrimony	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Agrostis vinealis</i> Schreb.	Brown Bent	Nationally Least Concern, scarcity in N Hants to be assessed; probably under-recorded
<i>Alisma lanceolatum</i> With.	Narrow-leaved Water-plantain	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Alopecurus aequalis</i> Sobol.	Orange Foxtail	Extinct as native but reappearing as alien
<i>Alopecurus x brachystylus</i> Peterm.	Hybrid Meadow x Marsh Foxtail	Not recorded in N Hants; status in S Hants to be assessed
<i>Ammophila arenaria</i> (L.) Link.	Marram	Nationally Least Concern, infrequent in S Hants
<i>Anisantha diandra</i> (Roth) Tutin ex Tzvelev	Great Brome	Now considered nationally as a Neophyte. Apparently spreading in Hants as arable weed
<i>Anisantha madritensis</i> (L.) Nevski	Compact Brome	Now considered nationally as a Neophyte.
<i>Anisantha rigida</i> (Roth) Hyl.	Ripgut Brome	Neophyte
<i>Anisantha tectorum</i> (L.) Nevski	Drooping Brome	Neophyte
<i>Anthriscus caucalis</i> M. Bieb.	Bur Chervil	Nationally Least Concern, locally infrequent
<i>Apium graveolens</i> L.	Wild Celery	Nationally Least Concern, infrequent in S Hants
<i>Apium inundatum</i> (L.) Rchb.f.	Lesser Marshwort	Nationally Least Concern, ?scarce in N Hants
<i>Arabis hirsuta</i> (L.) Scop.	Hairy Rock-cress	Nationally Least Concern, locally infrequent
<i>Arctium lappa</i> L.	Greater Burdock	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Artemisia absinthium</i> L.	Wormwood	Nationally Least Concern, perhaps locally scarce
<i>Artemisia maritima</i> L.	Sea Wormwood	Nationally Least Concern, infrequent in S Hants
<i>Atriplex glabriuscula</i> Edmonston	Babington's Orache	Nationally Least Concern, scarcity in S Hants to be assessed
<i>Atriplex laciniata</i> L.	Frosted Orache	Nationally Least Concern, infrequent in S Hants
<i>Botrychium lunaria</i> (L.) Sw	Moonwort	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Brachypodium pinnatum</i> (L.) P. Beauv.	Tor-grass	Records need re-examining for possible segregation of taxa
<i>Bromopsis inermis</i> (Huds.) Holub subsp. <i>inermis</i>	Hungarian Brome	Nationally Least Concern; for consideration as Alien of Interest
<i>Bromus commutatus</i> Schrad.	Meadow Brome	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed but at least infrequent
<i>Bromus lepidus</i> Holmb.	Slender Soft-brome	Nationally Least Concern, local status dubious and to be assessed
<i>Bromus racemosus</i> L.	Smooth Brome	Nationally Least Concern, locally infrequent
<i>Cakile maritima</i> Scop.	Sea Rocket	Nationally Least Concern, locally infrequent
<i>Callitriche brutia</i> Petagna subsp. <i>hamulata</i> Kütz. ex Koch	Intermediate Water-starwort	Nationally Least Concern, taxonomic status up for review
<i>Callitriche platycarpa</i> Kütz.	Various-leaved Water-starwort	Nationally Least Concern, many early records considered questionable
<i>Calystegia soldanella</i> (L.) R. Br.	Sea Bindweed	Nationally Least Concern, locally infrequent
<i>Campanula persicifolia</i> L.	Peach-leaved Bellflower	For possible inclusion as Alien of Interest
<i>Cardamine amara</i> L.	Large Bitter-cress	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Carduus tenuiflorus</i> Curtis	Slender Thistle	Nationally Least Concern, locally infrequent
<i>Carex arenaria</i> L.	Sand Sedge	Nationally Least Concern, infrequent in N Hants
<i>Carex canescens</i> L.	White Sedge	Nationally Least Concern, locally infrequent
<i>Carex extensa</i> Gooden.	Long-bracted Sedge	Nationally Least Concern, infrequent in S Hants
<i>Carex hostiana</i> DC.	Tawny Sedge	Nationally Least Concern, infrequent in N Hants

<i>Carex laevigata</i> Sm.	Smooth-stalked Sedge	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Carex muricata</i> L. subsp. <i>pairae</i> (F.W. Schultz) Celak.	Prickly Sedge	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Carex pseudocyperus</i> L.	Cyperus Sedge	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Carex pulicaris</i> L.	Flea Sedge	Nationally Least Concern, infrequent in N Hants
<i>Carex rostrata</i> Stokes	Bottle Sedge	Nationally Least Concern, infrequent in N Hants
<i>Carex vesicaria</i> L.	Bladder Sedge	Nationally Least Concern, locally infrequent
<i>Catabrosa aquatica</i> (L.) P. Beauv.	Whorl-grass	Nationally Least Concern, local scarcity to be assessed
<i>Catapodium marinum</i> (L.) C.E.Hubb.	Sea Fern-grass	Nationally Least Concern, local scarcity to be assessed
<i>Centaurea cyanus</i> L.	Cornflower	UK BAP Priority Species, current status in Hants to be assessed but at least some records as Archaeophyte Nationally Least Concern, infrequent in N Hants
<i>Centaureum pulchellum</i> (Sw.) Druce	Lesser Centaury	Nationally Least Concern, locally infrequent
<i>Cerastium arvense</i> L.	Field Mouse-ear	Nationally Least Concern, locally infrequent
<i>Ceratocarpus claviculata</i> (L.) Lidén	Climbing Corydalis	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Ceratophyllum demersum</i> L.	Rigid Hornwort	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Ceratophyllum submersum</i> L.	Soft Hornwort	Nationally Least Concern, for possible inclusion as Alien of Interest in S Hants
<i>Cichorium intybus</i> L.	Chicory	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Clinopodium ascendens</i> (Jord.) Samp.	Common Calamint	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Cochlearia anglica</i> L.	English Scurvy-grass	Nationally Least Concern, local scarcity to be assessed
<i>Coincya monensis</i> (L.) Greuter & Burdet subsp. <i>cheiranthos</i> (Vill.) Aedo, Leadlay & Muñoz	Wallflower Cabbage	Nationally scarce, for consideration as Alien of Interest
<i>Comarum palustre</i> L.	Marsh Cinquefoil	Nationally Least Concern, infrequent in S and N Hants
<i>Convallaria majalis</i> L.	Lily-of-the-valley	Nationally Least Concern, infrequent in N Hants
<i>Crambe maritima</i> L.	Sea-kale	Nationally Least Concern, locally infrequent
<i>Crataegus laevigata</i> (Poir.) DC.	Midland Hawthorn	Nationally Least Concern, status in Hants dubious
<i>Crepis biennis</i> L.	Rough Hawk's-beard	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Crithmum maritimum</i> L.	Rock Samphire	Nationally Least Concern, local scarcity to be assessed but possibly infrequent
<i>Dactylorhiza incarnata</i> (L.) Soó subsp. <i>incarnata</i>	Common Early Marsh-orchid	Nationally Least Concern, scarcity in both vice-counties to be assessed but at least infrequent in N Hants
<i>Dryopteris aemula</i> (Aiton) Kuntze	Hay-scented Buckler-fern	Nationally Least Concern, infrequent in S Hants
<i>Eleocharis acicularis</i> (L.) Roem. & Schult.)	Needle Spike-rush	Nationally Least Concern, infrequent in S and N Hants
<i>Eleocharis multicaulis</i> (Sm.) Desv.	Many-stalked Spike-rush	Nationally Least Concern, infrequent in N Hants
<i>Eleogiton fluitans</i> (L.) Link	Floating Club-rush	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Elytrigia juncea</i> (L.) Nevski	Sand Couch	Nationally Least Concern, infrequent in S Hants
<i>Epilobium lanceolatum</i> Sebast. & Mauri	Spear-leaved Willowherb	Nationally Least Concern, infrequent in S and N Hants
<i>Epilobium roseum</i> Schreb.	Pale Willowherb	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Eriophorum vaginatum</i> L.	Hare's-tail Cottongrass	Nationally Least Concern, infrequent in S Hants, scarcity to be assessed in N Hants but at least infrequent
<i>Eryngium maritimum</i> L.	Sea Holly	Nationally Least Concern, infrequent in S Hants
<i>Erysimum cheiranthoides</i> L.	Treacle Mustard	Nationally Least Concern, local scarcity to be assessed
<i>Euphorbia paralias</i> L.	Sea Spurge	Nationally Least Concern, infrequent in S Hants
<i>Festuca rubra</i> L. subsp. <i>juncea</i> (Hack.) K. Richt.	Coast Red Fescue	Nationally Least Concern, infrequent in S Hants

<i>Filago minima</i> (Sm.) Pers.	Small Cudweed	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Fumaria bastardii</i> Boreau <i>Galeopsis bifida</i> Boenn.	Tall Ramping-fumitory Bifid Hemp-nettle	Nationally Least Concern, infrequent in S Hants Nationally Least Concern, scarcity in N Hants to be assessed
<i>Genista tinctoria</i> L.	Dyer's Greenweed	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Geranium lucidum</i> L.	Shining Crane's-bill	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Glaucium flavum</i> Crantz <i>Hammarbya paludosa</i> (L.) Kuntze	Yellow Horned-poppy Bog Orchid	Nationally Least Concern, locally infrequent Nationally Least Concern, infrequent in S Hants
<i>Hedera helix</i> L. subsp. <i>poetarum</i> (Bertol.) Nyman	Atlantic Ivy	Nationally Least Concern, local scarcity to be assessed
<i>Hieracium spilophaeum</i> Jord. ex Boreau	Spotted Hawkweed	Nationally Least Concern, scarcity in S Hants to be assessed, infrequent in N Hants
<i>Honckenya peploides</i> (L.) Ehrh.	Sea Sandwort	Nationally Least Concern, locally infrequent
<i>Hordeum secalinum</i> Schreb.	Meadow Barley	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Hypericum elodes</i> L.	Marsh St John's-wort	Nationally Least Concern, infrequent in N Hants
<i>Jasione montana</i> L.	Sheep's-bit	Nationally Least Concern, infrequent in N Hants
<i>Juncus foliosus</i> Desf.	Leafy Rush	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed
<i>Juncus ranarius</i> Songeon & E.P. Perrier	Frog Rush	Nationally Least Concern, infrequent in S Hants
<i>Juncus subnodulosus</i> Schrank	Blunt-flowered Rush	Nationally Least Concern, infrequent in S and N Hants
<i>Juncus x surrejanus</i> Druce ex Stace & Lambinon	Hybrid Jointed x Sharp-flowered Rush	Nationally Least Concern, local scarcity to be assessed
<i>Lactuca virosa</i> L.	Great Lettuce	Nationally Least Concern, locally scarce
<i>Lagurus ovatus</i> L.	Hare's-tail	Nationally Least Concern, alien of interest in S Hants
<i>Lamium hybridum</i> Vill.	Cut-leaved Dead-nettle	Nationally Least Concern, infrequent in S and N Hants
<i>Lapsana communis</i> subsp. <i>intermedia</i>	Large-flowered Nipplewort	Nationally Least Concern, alien of interest in S Hants
<i>Lathraea squamaria</i> L.	Toothwort	Nationally Least Concern, infrequent in S Hants
<i>Legousia hybrida</i> (L.) Delarbre	Venus's Looking-glass	Nationally Least Concern, infrequent in S Hants
<i>Lemna gibba</i> L.	Fat Duckweed	Nationally Least Concern, local scarcity to be assessed but at least infrequent
<i>Lepidium campestre</i> (L.) W.T.Aiton	Field Pepperwort	Nationally Least Concern, possibly locally declining, scarcity in N Hants to be assessed
<i>Lepidium ruderales</i> L.	Narrow-leaved Pepperwort	Nationally Least Concern, locally infrequent
<i>Leymus arenarius</i> (L.) Hochst.	Lyme-grass	Nationally Least Concern, infrequent in S Hants
<i>Lilium martagon</i> L.	Martagon Lily	Nationally Least Concern, locally alien of interest
<i>Linaria repens</i> (L.) Mill.	Pale Toadflax	Nationally Least Concern, locally infrequent
<i>Linum bienne</i> Mill.	Pale Flax	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Littorella uniflora</i> (L.) Asch.	Shoreweed	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Lotus tenuis</i> Waldst. & Kit. ex Willd.	Narrow-leaved Bird's-foot-trefoil	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Luzula sylvatica</i> (Huds.) Gaudin	Great Woodrush	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed but at least infrequent
<i>Mespilus germanica</i> L.	Medlar	Nationally scarce, alien of interest in S Hants
<i>Mimulus moschatus</i> Dougl. ex Lindl.	Musk	Nationally Least Concern, locally alien of interest
<i>Moenchia erecta</i> (L.) P.Gaertn.	Upright Chickweed	Nationally Least Concern, infrequent in N Hants
<i>Myosotis secunda</i> Al. Murray	Creeping Forget-me-not	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Myrica gale</i> L.	Bog Myrtle	Nationally Least Concern, infrequent in N Hants

<i>Myriophyllum alterniflorum</i> DC.	Alternate Water-milfoil	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed but at least infrequent
<i>Narcissus pseudonarcissus</i> L. subsp. <i>pseudonarcissus</i>	Wild Daffodil	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Narthecium ossifragum</i> (L.) Huds.	Bog Asphodel	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Nasturtium microphyllum</i> (Boenn.) Rchb.	Narrow-fruited Watercress	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Oenanthe fluviatilis</i> (Bab.) Coleman	River Water-dropwort	Nationally Least Concern, infrequent in S and N Hants
<i>Oenanthe lachenalii</i> C.C.Gmel.	Parsley Water-dropwort	Nationally Least Concern, locally infrequent
<i>Oenothera stricta</i> Ledeb. ex Link	Fragrant Evening-primrose	Nationally Least Concern, locally alien of interest
<i>Ononis spinosa</i> L.	Spiny Rest-harrow	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Oreopteris limbosperma</i> (Bellardi ex All.) Holub	Lemon-scented Fern	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed but at least infrequent
<i>Osmunda regalis</i> L.	Royal Fern	Nationally Least Concern, infrequent in N Hants
<i>Papaver lecoquii</i> Lamotte	Yellow-juiced Poppy	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Papaver hybridum</i> L.	Rough Poppy	Nationally Least Concern, scarcity to be assessed in S Hants
<i>Parapholis strigosa</i> (Dumort.) C.E.Hubbard	Hard-grass	Nationally Least Concern, locally infrequent
<i>Parentucellia viscosa</i> (L.) Caruel	Yellow Bartsia	Nationally Least Concern, infrequent in N Hants
<i>Parietaria judaica</i> L.	Pellitory-of-the-Wall	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Paris quadrifolia</i> L.	Herb Paris	Nationally Least Concern, infrequent in S Hants
<i>Pedicularis palustris</i> L.	Marsh Lousewort	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Persicaria bistorta</i> (L.) Samp.	Common Bistort	Nationally Least Concern, scarcity in S Hants to be assessed but at least infrequent, infrequent in N Hants
<i>Petroselinum segetum</i> (L.) W.D.J.Koch	Corn Parsley	Nationally Least Concern, infrequent in S and N Hants
<i>Plagiobothrys scouleri</i> Hook. & Arn.) I.M.Johnst.	White Forget-me-not	Nationally Least Concern, alien of interest in S Hants
<i>Poa angustifolia</i> L.	Narrow-leaved Meadow-grass	Nationally Least Concern, scarcity in N Hants
<i>Poa compressa</i> L.	Flattened Meadow-grass	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Poa humilis</i> Ehrh. ex Hoffm.	Spreading Meadow-grass	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Polygala calcarea</i> F.W.Schultz	Chalk Milkwort	Nationally Least Concern, infrequent in S Hants, scarcity in N Hants to be assessed
<i>Polygonum oxyspermum</i> C.A.Mey. & Bunge ex Ledeb. subsp. <i>raii</i> (Bab.) D.A.Webb & Chater	Ray's Knotgrass	Nationally Least Concern, infrequent in S Hants
<i>Polygonum rurivagum</i> Jord. ex Boreau	Cornfield Knotgrass	Nationally Least Concern, scarcity in S and N Hants to be assessed
<i>Polypodium interjectum</i> Shivas	Intermediate Polypody	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Potamogeton berchtoldii</i> Fieber	Small Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed
<i>Potamogeton lucens</i> L.	Shining Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent in N Hants
<i>Potamogeton obtusifolius</i> Mert. & W.D.J.Koch	Blunt-leaved Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Potamogeton pectinatus</i> L.	Fennel Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed
<i>Potamogeton perfoliatus</i> L.	Perfoliate Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent in N Hants
<i>Potamogeton pusillus</i> L.	Lesser Pondweed	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent

<i>Potentilla anglica</i> Laichard.	Trailing Tormentil	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Potentilla x mixta</i> Nolte ex Rchb.	Hybrid Cinquefoil	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Pyrola minor</i> L.	Common Wintergreen	Nationally Least Concern, extinct in S Hants, infrequent in N Hants
<i>Ranunculus baudotii</i> Godr.	Brackish Water-crowfoot	Nationally Least Concern, infrequent in S Hants
<i>Ranunculus hederaceus</i> L.	Ivy-leaved Crowfoot	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Ranunculus lingua</i> L.	Greater Spearwort	Nationally Least Concern, scarcity in S and N Hants to be assessed
<i>Ranunculus omiophyllus</i> Ten.	Round-leaved Crowfoot	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Raphanus raphanistrum</i> L. subsp. <i>maritimus</i> (Sm.) Thell.	Sea Radish	Nationally Least Concern, locally infrequent
<i>Rhinanthus rumelicus</i> Vel.	Thracian Yellow-rattle	Nationally Least Concern, potential alien of interest in S Hants
<i>Rhynchospora alba</i> (L.) Vahl	White Beak-sedge	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Rorippa amphibia</i> (L.) Besser	Great Yellow-cress	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent in S Hants
<i>Rorippa sylvestris</i> (L.) Besser	Creeping Yellow-cress	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Rosa rubiginosa</i> L.	Sweet-briar	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Rubia peregrina</i> L.	Wild Madder	Nationally Least Concern, infrequent in S Hants, status in N Hants to be assessed
<i>Rumex crispus</i> L. subsp. <i>littoreus</i> (J.Hardy) Akeroyd	Shore Curled Dock	Nationally Least Concern, locally infrequent
<i>Ruppia maritima</i> L.	Beaked Tasselweed	Nationally Least Concern, infrequent in S Hants
<i>Sagina maritima</i> Don	Sea Pearlwort	Nationally Least Concern, locally infrequent
<i>Sagina nodosa</i> (L.) Fenzl	Knotted Pearlwort	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent in N Hants
<i>Sagittaria sagittifolia</i> L.	Arrowhead	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Salicornia dolichostachya</i> Moss	Long-spiked Glasswort	Nationally Least Concern, locally infrequent
<i>Salicornia ramosissima</i> Woods	Purple Glasswort	Nationally Least Concern, locally infrequent
<i>Sambucus ebulus</i> L.	Dwarf Elder	Nationally Least Concern, scarcity in S Hants to be assessed but at least infrequent, infrequent in N Hants
<i>Sanguisorba officinalis</i> L.	Great Burnet	Nationally Least Concern, scarcity in S Hants to be assessed but at least infrequent, infrequent in N Hants
<i>Saxifraga granulata</i> L.	Meadow Saxifrage	Nationally Least Concern, infrequent in S Hants
<i>Saxifraga tridactylites</i> L.	Rue-leaved Saxifrage	Nationally Least Concern, infrequent in N Hants
<i>Schoenus nigricans</i> L.	Black Bog-rush	Nationally Least Concern, infrequent in S Hants
<i>Scrophularia scorodonia</i> L.	Balm-leaved Figwort	Nationally Least Concern, alien of interest in S Hants
<i>Securigera varia</i> (L.) Lassen	Crown Vetch	Nationally Least Concern, alien of interest in S and N Hants
<i>Sedum anglicum</i> Huds.	English Stonecrop	Nationally Least Concern, rare (but neophyte) in N Hants
<i>Sorbus torminalis</i> (L.) Crantz	Wild Service-tree	Nationally Least Concern, infrequent in N Hants
<i>Spergularia rupicola</i> Lebel ex Le Jol.	Rock Sea-spurrey	Nationally Least Concern, infrequent in S Hants
<i>Spirodela polyrhiza</i> (L.) Schleid.	Greater Duckweed	Nationally Least Concern, scarcity in S and N Hants to be assessed but at least infrequent
<i>Stellaria pallida</i> (Dumort.) Crép.	Lesser Chickweed	Nationally Least Concern, infrequent in N Hants
<i>Tetragonolobus maritimus</i> (L.) Roth	Dragon's-teeth	Nationally scarce, rare (but neophyte) in S and N Hants
<i>Thalictrum flavum</i> L.	Common Meadow-rue	Nationally Least Concern, infrequent in N Hants
<i>Tilia cordata</i> Mill.	Small-leaved Lime	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent
<i>Trichophorum germanicum</i> Palla	Deergrass	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Trifolium fragiferum</i> L.	Strawberry Clover	Nationally Least Concern, scarcity in N Hants to be assessed but at least infrequent

<i>Trifolium striatum</i> L.	Knotted Clover	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Trifolium subterraneum</i> L.	Subterranean Clover	Nationally Least Concern, infrequent in N Hants
<i>Triglochin palustris</i> L.	Marsh Arrowgrass	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Tripleurospermum maritimum</i> (L.) W.D.J.Koch	Sea Mayweed	Nationally Least Concern, local scarcity to be assessed (believed over-recorded)
<i>Typha angustifolia</i> L.	Lesser Bulrush	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Typha</i> × <i>glauca</i> Godr.	Hybrid Bulrush × Lesser Bulrush	Nationally Least Concern, local scarcity to be assessed
<i>Valerianella carinata</i> Loisel.	Keel-fruited Cornsalad	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Verbascum virgatum</i> Stokes	Twiggy Mullein	Nationally Least Concern, for consideration as Alien of Interest in S Hants
<i>Verbascum</i> × <i>semialbum</i> Chaub.	Hybrid Great × Dark Mullein	Nationally Least Concern, local scarcity to be assessed
<i>Veronica agrestis</i> L.	Green Field Speedwell	Nationally Least Concern, scarcity in N Hants to be assessed
<i>Veronica anagallis-aquatica</i> L.	Blue Water Speedwell	Nationally Least Concern, to be assessed locally for decline
<i>Veronica catenata</i> Pennell	Pink Water Speedwell	Nationally Least Concern, locally declining
<i>Vicia tenuifolia</i> Roth	Fine-leaved Vetch	Nationally Least Concern, for consideration as Alien of Interest in S Hants
<i>Viola palustris</i> L.	Marsh Violet	Nationally Least Concern, scarcity in N Hants to be assessed

Appendix D: *Rubus* (Bramble) Taxa for Inclusion

Taxa for which Hampshire holds 10% or more of the national population, and are thus considered a special Hampshire responsibility, are marked with ® in the Rarity columns. Names follow Newton & Randall (2004) and Allen (2004), where authors of the scientific names will be found. The endemic status is also taken from those sources and from Allen (2007). BI = British Isles including Irish Republic; UK = United Kingdom including Northern Ireland; GB = Great Britain including Man but excluding Northern Ireland; CI = Channel Islands.

Taxon

	Rarity		
	National	S Hants	N Hants

SECTION RUBUS

Subsect. *Rubus*

<i>R. arbeniformis</i>	Scarce	Rare	Not Recorded
<i>R. briggsianus</i>	Scarce, Endemic to BI	Scarce	Not Recorded
<i>R. fissus</i>	Not Scarce, Endemic to UK	Infrequent	Not Recorded
<i>R. glanduliger</i>	Rare, Endemic to S England	Rare	Rare
<i>R. integribasis</i>	Rare	Infrequent	Rare
<i>R. nitidiformis</i>	Scarce	Rare	Not Recorded
<i>R. nobilissimus</i>	Scarce	Infrequent	Rare
<i>R. scissus</i>	Not Scarce	Scarce	Rare
<i>R. sulcatus</i>	Scarce	Scarce	Rare

Subsect. *Hemales*

ser. *Sylvatici*

<i>R. adpersus</i>	Scarce	Not Recorded	Extinct
<i>R. albionis</i>	Scarce, Endemic to BI	Infrequent	Scarce
<i>R. averyanus</i>	Rare, Endemic to S England	Rare	Rare
<i>R. bonlayi</i>	Rare	Infrequent®	Rare®
<i>R. calvatus</i>	Endemic to BI	Rare	Scarce
<i>R. confertiflorus</i>	Scarce, Endemic to S England	Infrequent	Rare
<i>R. crudelis</i>	Rare, Endemic to England	Rare	Rare
<i>R. errabundus</i>	Not Scarce, Endemic to BI	Infrequent	Rare
<i>R. imbricatus</i>	Not Scarce	Rare	Not Recorded
<i>R. lentiginosus</i>	Rare, Endemic to UK	Not Recorded	Rare
<i>R. leptothyrsos</i>	Not Scarce	Not Recorded	Rare
<i>R. leucandryiformis</i>	Scarce, Endemic to S England	Not Scarce®	Scarce®
<i>R. macrophyllus</i>	Not Scarce	Scarce	Infrequent
<i>R. mollissimus</i>	Scarce, Endemic	Infrequent	Scarce
<i>R. oxyanchus</i>	Scarce	Not Scarce®	Rare®
<i>R. pullifolius</i>	Rare, Endemic to S England	Not Scarce®	Not Recorded
<i>R. purbeckensis</i>	Rare	Scarce®	Not Recorded
<i>R. questieri</i>	Scarce	Scarce	Not Recorded
<i>R. riparius</i>	Rare	Rare	Not Recorded
<i>R. robiae</i>	Endemic to BI	Rare	Not Recorded
<i>R. schiocharis</i>	Scarce	Rare	Not Recorded
<i>R. siliaticus</i>	Scarce	Not Recorded	Scarce
<i>R. subintegrifolius</i>	Scarce, Endemic to S England	Infrequent®	Not Recorded

ser. *Rhamnifolii*

<i>R. acclivatum</i>	Scarce, Endemic to BI	Not Recorded	Rare
<i>R. altiarvatus</i>	Not Scarce	Scarce	Not Recorded
<i>R. amplificatus</i>	Endemic to BI	Infrequent	Rare
<i>R. boudicca</i>	Scarce, Endemic to BI	Infrequent®	Infrequent®
<i>R. cerdicii</i>	Rare, Endemic to S England	Infrequent®	Extinct
<i>R. curvispinosus</i>	Scarce, Endemic to S England	Infrequent®	Rare®
<i>R. elegantispinosus</i>	Scarce, Alien	Scarce	Rare
<i>R. incurvatus</i>	Not Scarce	Rare	Not Recorded
<i>R. lasiodermis</i>	Scarce, Endemic to S England	Rare®	Not Recorded
<i>R. lindebergii</i>	Not Scarce	Not Recorded	Extinct
<i>R. londonensis</i>	Scarce, Endemic to England	Not Recorded	Rare
<i>R. milfordensis</i>	Scarce, Endemic to England	Rare	Infrequent
<i>R. pampinosus</i>	Scarce, Endemic to UK	Scarce	Not Recorded
<i>R. pistoris</i>	Scarce	Infrequent®	Rare®
<i>R. rhombifolius</i>	Not Scarce	Infrequent	Scarce
<i>R. rubritinctus</i>	Not Scarce	Not Scarce	Scarce
<i>R. septentrionalis</i>	Not Scarce	Scarce	Rare

Taxon

	Rarity		
	National	S Hants	N Hants
ser. <u>Discolores</u>			
<i>R. hylophilus</i>	Scarce	Scarce	Infrequent
<i>R. neomalacus</i>	Rare	Not Recorded	Extinct
<i>R. pydarensiformis</i>	Rare	Rare®	Not Recorded
<i>R. rossensis</i>	Scarce, ?Endemic to BI	Infrequent	Not Recorded
<i>R. stenopetalus</i>	Rare	Rare®	Infrequent®
<i>R. winteri</i>	Scarce	Infrequent	Infrequent
ser. <u>Vestiti</u>			
<i>R. adscitus</i>	Not Scarce	Infrequent	Rare
<i>R. boraeanus</i>	Scarce	Not Recorded	Rare
<i>R. caesarius</i>	Rare	Rare®	Not Recorded
<i>R. conspersus</i>	Scarce, Endemic to S England	Rare	Infrequent
<i>R. criniger</i>	Scarce, Endemic to GB	Infrequent	Infrequent
<i>R. leucostachys</i>	Scarce	Infrequent	Infrequent
ser. <u>Mucronati</u>			
<i>R. mucronatiformis</i>	Scarce, Endemic to GB	Infrequent®	Rare®
ser. <u>Micantes</u>			
<i>R. anglobelgicus</i>	Rare	Rare®	Not Recorded
<i>R. decussatus</i>	Scarce, Endemic to S England	Rare	Scarce
<i>R. diversus</i>	Scarce	Rare	Rare
<i>R. erythrops</i>	Scarce, Endemic to England	Scarce	Scarce
<i>R. hastiformis</i>	Scarce	Rare	Rare
<i>R. leightonii</i>	Not Scarce	Infrequent	Rare
<i>R. melanodermis</i>	Scarce	Infrequent	Rare
<i>R. micans</i>	Scarce	Not Scarce®	Rare®
<i>R. norvicensis</i>	Scarce, Endemic to GB and CI	Not Scarce®	Rare®
<i>R. percrispus</i>	Scarce, Endemic to UK and CI	Scarce®	Not Recorded
<i>R. radulooides</i>	Not Scarce	Not Recorded	Rare
<i>R. trichodes</i>	Scarce	Rare	Scarce
<i>R. wedgwoodiae</i>	Rare	Not Recorded	Rare
ser. <u>Anisacanthi</u>			
<i>R. adamsii</i>	Scarce	Not Recorded	Scarce
<i>R. campaniensis</i>	Rare	Rare®	Not Recorded
<i>R. cinerosus</i>	Scarce, Endemic to GB	Rare	Scarce
<i>R. dentatifolius</i>	Not Scarce	Infrequent	Rare
<i>R. formidabilis</i>	Scarce	Rare	Rare
<i>R. leyanus</i>	Not Scarce	Infrequent	Scarce
ser. <u>Radula</u>			
<i>R. bloxamii</i>	Not Scarce	Not Scarce	Rare
<i>R. cantianus</i>	Scarce, Endemic to England	Rare®	Scarce®
<i>R. echinatooides</i>	Endemic to BI	Rare	Infrequent
<i>R. euryanthemus</i>	Scarce	Not Scarce	Scarce
<i>R. fuscicaulis</i>	Scarce	Rare	Scarce
<i>R. informifolius</i>	Scarce, Endemic to GB	Not Recorded	Rare
<i>R. longithyrsgiger</i>	Not Scarce	Infrequent	Rare
<i>R. pallidus</i>	Scarce	Scarce	Rare
<i>R. pannosus</i>	Rare	Not Recorded	Rare
<i>R. porphyrocaulis</i>	Rare, Endemic to GB	Not Recorded	Rare
<i>R. radula</i>	Not Scarce	Rare	Not Scarce
<i>R. radulicaulis</i>	Rare	Rare	Not Recorded
<i>R. rudis</i>	Not Scarce	Scarce	Not Scarce
<i>R. sectiramus</i>	Scarce, Endemic to S England	Infrequent	Rare
ser. <u>Hystrix</u>			
<i>R. atrebatum</i>	Scarce	Rare	Not Scarce
<i>R. babingtonii</i>	Scarce, Endemic to GB	Not Recorded	Rare
<i>R. bercheriensis</i>	Scarce	Infrequent	Infrequent
<i>R. clausentinus</i>	Rare, ?Endemic to Hants	Scarce®	Rare®
<i>R. durotrigum</i>	Rare, Endemic to S England	Extinct	Not Recorded
<i>R. hantonensis</i>	Scarce, Endemic to S England	Infrequent®	Rare®
<i>R. hylocharis</i>	Endemic to BI	Rare	Scarce
<i>R. infestior</i>	Rare, Endemic to S England	Not Recorded	Rare
<i>R. marshallii</i>	Scarce, Endemic to England	Not Recorded	Scarce
<i>R. milesianus</i>	Scarce, ?Alien	Rare®	Scarce®
<i>R. murrayi</i>	Scarce	Infrequent	Rare
<i>R. naldretti</i>	Scarce	Rare	Scarce

Taxon

R. newbridgensis
R. rilstonei
R. scabripes
R. tamarensis
R. thyrsigeriformis
R. vindomensis

ser. Glandulosi

R. angloserpens
R. pedemontanus
R. scaber

SECTION CORYLIFOLII

R. adenoleucus
R. ariconiensis
R. britannicus
R. hindii
R. intensior
R. nemorosus
R. warrenii

	Rarity		
	National	S Hants	N Hants
<i>R. newbridgensis</i>	Scarce, Endemic to England	Rare	Not Recorded
<i>R. rilstonei</i>	Scarce	Rare	Not Recorded
<i>R. scabripes</i>	Scarce	Rare	Rare
<i>R. tamarensis</i>	Scarce	Rare	Rare
<i>R. thyrsigeriformis</i>	Scarce	Infrequent®	Rare
<i>R. vindomensis</i>	Rare, Endemic to England	Rare®	Scarce®
<i>R. angloserpens</i>	Scarce, Endemic to England	Scarce	Not Recorded
<i>R. pedemontanus</i>	Scarce	Rare	Rare
<i>R. scaber</i>	Scarce	Infrequent	Infrequent
<i>R. adenoleucus</i>	Scarce	Scarce	Scarce
<i>R. ariconiensis</i>	Scarce, Endemic to GB	Not Recorded	Rare
<i>R. britannicus</i>	Scarce	Rare	Scarce
<i>R. hindii</i>	Scarce, Endemic to BI	Infrequent	Infrequent
<i>R. intensior</i>	Not Scarce	Infrequent	Rare
<i>R. nemorosus</i>	Scarce	Infrequent	Rare
<i>R. warrenii</i>	Not Scarce, Endemic to GB	Not Recorded	Rare

Appendix E: List of Recorders

AAB	Butcher, Alida	CB	Boxall, Mrs C	EF	Foard, Ted
AAD	Dudman, A A	CC	Chatters, Clive	EFr	Frost, Ernest
AB	Brewis, Lady Anne	CCH	Haworth, C C	EFW	Warburg, Dr E F
ABa	Bassett, Andrea	CCha	Chatters, Catherine	EHac	Hack, Esther
ABJ	Jackson, A B	CDD	Drake, C D	EHW	White, E H
ABl	Blake, Annabel	CDP	Pigott, C D	EJ	Jones, Ewart
ACC	Crundwell, Alan	CDPr	Preston, Chris	EJC	Clement, Eric
ACJ	Jermy, Clive	CEP	Pepin, C E	EMW	Williams, Miss E M
ACL	Leslie, Alan	CF-J	Fraser-Jenkins, C R	EN	Nelmes, E
ACle	Cleave, Andrew	CFG	Gray, C F	ENa	English Nature
AEB	Bolton, Alison	CJM	Marchant, C J	ERB	Brooks, Eve
AFo	Fowler, Alison	CJT	Tyas, C J	ESea	Sears, Ernie
AG	Grossert, A	CL	Langridge, Charles	ESH	Haines, Miss E S
AHP	Powling, Andrew	CM	Matthews, Colin	ESM	Marshall, Rev E S
AID	Denholm, Ian	CMcH	McHardy, Claire	ETa	Taylor, Miss E
AIH	Hold, Audrey	CMo	Moss, Christine	FA	Abraham, Frances
AJB	Byfield, Andy	CNP	Page, Chris	FAW	Woodhead, Felicity
AJBa	Barker, Andy	CP	Palmer, Charlotte	FDR	Richards, Mrs F D
AJCB	Beddow, Rev A J C	CPG	Gray, C P	FEWW	Venning, Brig F E W
AJG	Gray, Dr A J	CR	Roper, Claire	FJR	Rumsey, Fred
AJH	Hold, Alan	CRC	Cuthbert, Charles	FP	Partridge, F
AJPB	Branson, Andrew	CRFH	Hedley, Richard	FR	Rose, Francis
AJR	Richards, Dr A J	CRH	Hall, Chris	FT	Townsend, Frederick
AJS	Silverside, Alan	CRL	Lancaster, Roy	GA	Armstrong, G
AK	Knight, A	CS	Stoate, C	GB	Burnside, Gill
ALe	Leonard, Andrew	CSt	Stanley, Mrs C A	GC	Game Conservancy
ALP	Primavesi, Rev A L	CTh	Thorne, Carolyn	GCo	Copsey, Ginnie
AM	Melderis, Dr A	CW	West, Dr C	GCE	Evans, Glynne
AM-Br	Moss-Bradnam, Audrey	CWa	Wain, Christine	GDF	Field, Geoffrey
AMC	Cross, Andy	CWMB	Burton, C W Musgrave	GfA	Farwell, Geoff
AMcK	McKee, Ailsa	DAP	Pearman, David	GFP	Peterken, George
AMcV	McVeigh, Andy	DBa	Ball, David	GG	Groome, Giles
AMe	Meyrick, Andrew	DBr	Brookman, Dorothy	GH	Halliday, Geoffrey
AMSi	Simmonds, Mrs A M	DC	Caals, David	GHa	Haines, G
AMSt	Stevenson, Alastair	DCle	Clenet, Deirdre	GHF	Forster, George
AN	Norris, A	DCW	Winsland, D C	GHo	Hounsome, George
ANH5	Alton Natural History Society	DDu	Dupree, D	GJ	Johnson, Gwynne
AOC	Chater, Arthur	DEA	Allen, David	GKn	Knass, Gareth
APNH	House, A P N	DEB	Brunning, Bro. D E	GLo	Long, Graham
APo	Polkey, Andrew	DF	Finucane, Dickie	GM	Macklin, Gwen
AR	Rutherford, Alison	DG	Graiff, Daphne	GMAH	Hewett, Rev G M A
ARGM	Mundell, Tony	DGr	Green, D	GMan	Manchip, Graham
ARL	Lucas, Lady A R	DHa	Hall, D	GP	Peet, George
ARLo	Loveless, Dr A R	DHD	Dalby, Dr D H	GTDW	Willmore, Geoffrey
ARo	Roseweir, Alec	DHu	Hughes, David	GTh	Thornton, Gill
ARum	Rumsey, Abigail	DHub	Hubble, David	GTo	Toone, Geoff
ARW	Welstead, Tony	DJD	Dampney, D J	GWW	Willis, G W
AS	Smith, Andy	DJHo	Howse, David	HBIC	Hampshire Biodiversity Information Centre
AWW	Westrup, Alick	DJMcC	McCosh, David	HBr	Bruce, Miss H
BE	Edwards, Bryan	DL	Leadbetter, David	HCC	Hampshire County Council (Habitat Assessment Team)
BEJ	Jonsell, Prof. B E	DLa	Lawman, D	HCMS	Hampshire County Museum Service (Herbarium)
BF	Fellows, Brian	DM	Meynell, Miss D	HFC	Hampshire Field Club and Archaeological Society
BGo	Goater, Barry	DMa	Maxwell, Diana	HFG	Hampshire Flora Group (field meeting)
BGol	Goldsmith, Ben	DMG	Grist, Mervyn	HJD	Dawson, Dr H J
BHe	Hedley, Brian	DMit	Mitchell, Dianne	HJMB	Bowen, Humphrey
BJC	Coppins, Brian	DNe	Nesbitt, David	HM	Matcham, Howard
BLa	Laney, Brian	DPJS	Smith, Delf	HWi	Winship, Heather
BN	Nicholson, Barry	DPr	Price, Dominic	HWT	Hampshire and Isle of Wight Wildlife Trust
BPS	British Pteridological Society (field meeting)	DPri	Price, David	ILR	Ralphs, Ian
BRB	Bristow, B R	DR	Ratcliffe, Denis	IM	Marshall, Ian
BSBI	Botanical Society of the British Isles (field meeting)	DRA	Allan, Debbie	IMu	Mullen, Ian
BSC	Canning, Briony	DSav	Savage, D		
BTa	Tattersall, Barry	DT	Tinling, Dave		
BWe	Webster, Bernard	DW	Wolfenden, Mrs D		
BWP	Phillips, Barry	DWa	Walker, D		
CAS	Stace, Clive	DWF	Fawdry, Miss D W		
		DWo	Wood, David		
		EA	Environment Agency		
		EAP	Pratt, Ted		
		ECW	Wallace, Ted		

IT	Thirlwell, Ian	LH	Healey, Lucinda	PAV	Vaughan, Peter
ITE	Institute of Terrestrial Ecology	LMar	Martin, Loraine	PB	Brough, Peter
JA	Andrews, James	LNHL	Larter, L N H	PBi	Billinghurst, Peter
JAb	Aburrow, Julian	LW	Watson, Mrs L	PDG	Goriup, P D
JAL	Lister, Ms J A	LWF	Frost, Miss L W	PDS	Sell, Peter
JAN	Norton, John	MB	Bryant, Michael	PEI	Ellison, P
JBu	Burgess, June	MBa	Banks, Mrs M	PET	Toynnton, Paul
JBuc	Buchanan, J	MBer	Berry, Matthew	PFY	Yeo, Dr P F
JCB	Bowra, J C	MC-B	Cragg-Barber, Martin	PHB	Burrows, Mrs P H
JCD	Draper, J C	MCH	Harvey, Martin	PHC	Colebourn, Phil
JCh	Chatfield, June	MCo	Cockerill, Mary	PHR	Rollinson, Peter
JCha	Chapman, Jayne	MEd	Edginton, M J	PJOT	Trist, P J O
JCre	Crewe, Jon	MEdw	Edwards, Michael	PJSe	Selby, Pete
JDe	Denton, Jonty	MEP	Palmer, Margaret	PJW	Wilson, Phil
JDT	Thompson, J D	MES	Scruby, Mary	Pla	Plantlife surveyor
JEC	Carey, J E	MESt	Stewart, Mrs M E	PM	Marston, Peter
JEL	Lousley, Ted	MEv	Everard, Mark	PP	Parker, Phillipa
JES	Smith, Joyce	MEY	Young, Elizabeth	PQ	Quinn, Phil
JEWi	Winterbottom, J E	MF	Finnemore, Michael	PR	Rose, Pauline
JF	Fryer, Jeanette	MFa	Faherty, Mick	PRD	Durnell, Peter
JGM	Mountford, J G	MFl	Flatt, Mary	PRS	Sterry, Paul
JGo	Goater, Jane	MFW	Wildish, Mike	PS	Stanley, Paul
JGood	Goodspeed, John	MG	Gibbs, Mike	PSim	Simpson, Phil
JHas	Hasler, Jan	MGD	Daker, M G	PSt	Stapleton, Paul
JHe	Hesselgreaves, Miss J	MGr	Green, M	PWa	Waring, Paul
JHL	Lavender, John	MH	Hedges, Mrs M	PWJF	Findley, P W J
JHod	Hodgson, J	MHa	Hartland, M	RAB	Boniface, Ron
JHod	Hodgson, J	MHod	Hodgkiss, Miles	RAF	Fitzgerald, Ro
JHow	Howe, J	MJB	Badly, Mary-Jane	RAP	Pryor, R A
JHT	Taverner, John	MJS	Southam, Mervyn	RAT	Titt, R A
JK	Knight, John	MJYF	Foley, M J Y	RB	Buchanan, R
JKi	Kington, Jean	MK	Keens, M	RBa	Barrett, R A
JLeR	Le Rossignol, J N	ML	Lawrence, Maisie	RBG	Gibbons, Bob
JMC	Cox, Mrs J M	MM	Marr, M	RC	Cook, Ralph
JMe	Medhurst, Miss J A	MMcK	McKeith, Miss M	RCo	Cooke, Rob
JMill	Miller, Joel	MMit	Mitchell, M	RCR	Rand, Clare
JMS	Stanley, John	MNe	Nesbitt, Marion	RCS	Stern, Rod
JO	Ounsted, John	MNJ	Jenkinson, Martin	RDM	Meikle, Desmond
JOc	Ockenden, John	MO	Oates, Matthew	RDP	Porley, Ron
JPe	Pennington, Jean	MPe	Pendell, Mo	ReNHS	Reading District Natural History Society
JPol	Poland, John	MPY	Yule, Phoebe	REG	Groom, Ron
JR	Rollinson, Joy	MR	Rand, Martin	RER	Randall, R E
JRA	Akeroyd, John	MRA	Arthern, M R	RFG	Goodchild, Ralph
JRCo	Collman, John	MRe	Reed, Miss M E	RHW	Woodall, Rob
JRM	Moon, John	MS	Smith, Mrs M	RJ	Jones, Richard
JRow	Rowe, John	MSi	Simmons, Mark	RJH	Hornby, Dick
JRup	Ruppersbury, John	MS-W	Somerset-Ward, Mrs Margaret	RJM	Murphy, Rose
JRW	White, J R	MSh	Sharman, Mike	RL	Lowe, R
JRWHi	Hollins, Ralph	MSt	Stribley, Matt	RM	Melville, Dr R
JSI	Sloan, Mrs J	MT	Taylor, Mary	RMas	Maskew, Roger
JSmi	Smith, John	MWa	Waterman, Mike	RMB	Burton, Rodney
JSti	Stickland, Jim	MWo	Woods, Mark	RMBa	Bateman, R M
JT	Taverner, John	MWR	Rowe, Mike	RMV	Veall, Roger
JVe	Vetterlein, J	NAS	Sanderson, Neil	RMW	Walls, Robin
JVo	Vorse, J	NC	Court, Nicky	RP	Palmer, Ralph
JW	Waters, J M	NCa	Catty, Neil	RPa	Page, Bob
JWe	Welsh, Janet	NCC	Nature Conservancy Council (survey)	RPB	Bowman, Paul
JWh	White, Jim	NEw	Ewald, Naomi	RPe	Pendell, Roger
KC	Coxhead, Mrs K	NFS	Stewart, Nick	RPR	Reeves, Richard
KGM	Messenger, Guy	NFSG	New Forest Study Group	RSC	Cropper, Robert
KH	Hart, Kathryn	NIW	Welstead, Mrs N I	RSH	Hill, Dr R S
KJA	Adams, Ken	NJ	Johnson, Nigel	RVHL	Lansdown, Richard
KJW	Walker, Kevin	NM	Montegriffo, Nick	RW	Woods, Ray
KL	Long, Katy	NMR	Rumens, Nick	RWa	Ward, Ron
KNAA	Alexander, K N A	NP	Pritchard, Noel	RWD	David, R W
KPi	Pinkney, Katharine	NRCB	Bowles, Nick	RWe	Webb, Rosemary
KS	Sandell, Ken	NTHH	Holmes, Dr N T H	RWi	Winfield, Bob
KSt	Still, Kate	OBG	Odiham Biodiversity Group	SAL	Lister, Mrs S A
KT	Turner, Keith	OH	Hine, Oliver	SBa	Bailey, Sue
LBa	Barker, Linda	PAB	Budd, Phil	SBai	Bailey, Steve
LD	Delve, Lucy			SBal	Ball, Sarah
LF	Fairs, Laura			SBat	Bates, Sheila
LFo	Fomison, Lynn				

SBC	Chapman, Dr S B	SS	Southwell, S S	WAB	Bromfield, Dr W A
SC	Clark, Sue	SSo	Sollars, Mrs S	WBo	Borrer, William
SCe	Celada, Sandra	Sy	Symons, -	WBS	Wiltshire Botanical Society (field meeting)
SCI	Clarke, Sidney	TA	Anderson, Tony	WeCNHS	Wellington College Natural History Society
SCo	Colenutt, Simon	TAC	Cope, Tom	WEW	Warren, W E
SCu	Currie, Simon	TB	Blunden, Tony	WF	Fojt, Wanda
SCurs	Curson, Simon	TCGR	Rich, Tim	WFB	Buckle, Miss W F
SDW	Webster, Dr S D	TD	Dove, Tom	WFS	Wild Flower Society (field meeting)
SF	Foster, Seamus	TDi	Dines, Trevor	WGH	Helyar, Bill
SHa	Haines, S	TGC	Collett, T G	WHB	Beeby, W H
SJE	Everett, Sue	TJ	James, Trevor	WHW	Wain, Bill
SMa	Mangham, Prof S	TJa	James, Tony	WMK	Keens, Miss W M
SNHS	Southampton Natural History Society	TM	Moir, T	WP	Pulfrey, Dr W
SP	Povey, Steve	TWa	Warwick, T	YE	Eldridge, Mrs Y
SPr	Priest, Sarah	TY	Yalden, T		
SR	Rollinson, Simon	VF	Field, Virginia		
SRD	Davey, Simon	VR	Russell, Victoria		
SRM	Miles, Stephen	VS	Scott, Vera		
		VW	Williams, Mrs V A		

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Appendix G: Statutory Designations

Bern Convention	Bern Convention on the Conservation of European Wildlife and Natural Habitats, Appendix 1: Wild flora
EC CITES	EC Council Regulation (EC) No. 338/97, Annexes A-D
EU Habitats and Species Directive	EU Habitats Directive 1992, Annexe 2 (animal and plant species of community interest whose conservation requires the designation of special areas of conservation); Annexe 4 (animal and plant species of community interest in need of strict protection); Annexe 5 (animal and plant species of community interest whose taking in the wild and exploitation may be subject to management measures)
NERC S41	Natural Environment and Rural Communities Act 2006, Section 41: Biodiversity lists and action (England)
UK BAP Priority Species	UK Biodiversity Action Plan 1994-2010: Priority Species (vascular plants)
WCA Schedule 8	Wildlife and Countryside Act 1981, Section 13 and Schedule 8: protected plants, as amended 1992, 2010

Appendix H: Concordance of scientific names in Stace, *New Flora of the British Isles*, 2nd and 3rd editions

Stace Edition 2 (1997)

Aceras anthropophorum
 X *Agropogon littoralis*
Althaea hirsuta
Anagallis minima
Arabis glabra
Callitriche brutia
Carex curta
Carex muricata subsp. *lamprocarpa*
Carex viridula subsp. *brachyrrhyncha*
Carex viridula subsp. *viridula*
Chrysanthemum segetum
Dactylorhiza traunsteineri
Dryopteris affinis subsp. *cambrensis*
Elytrigia x obtusiuscula
Euphorbia serrulata
Euphrasia anglica
Fumaria muralis subsp. *boraei*
Gymnadenia conopsea subsp. *borealis*
Gymnadenia conopsea subsp. *densiflora*
Juncus ambiguus
Listera cordata
Lotus glaber
Monotropa hypopitys
Orchis morio
Orchis ustulata
Otanthus maritimus
Papaver dubium subsp. *lecoquii*
Potentilla neumanniana
Potentilla palustris
Rorippa microphyla
Salicornia nitens
Seriphidium maritimum
Thlaspi perfoliatum
Trichophorum cespitosum subsp. *germanicum*
Triglochin palustre

Stace Edition 3 (2010)

Orchis anthropophora
 X *Agropogon lutosus*
Malva setigera
Centunculus minimus
Turritis glabra
Callitriche brutia subsp. *brutia*
Carex canescens
Carex muricata subsp. *pairae*
Carex lepidocarpa
Carex oederi
Glebionis segetum
Dactylorhiza traunsteinerioides
Dryopteris cambrensis
Elytrigia x acuta
Euphorbia stricta
Euphrasia officinalis subsp. *anglica*
Fumaria muralis subsp. *boroei*
Gymnadenia borealis
Gymnadenia densiflora
Juncus ranarius
Neottia cordata
Lotus tenuis
Hypopitys monotropa
Anacamptis morio
Neotinea ustulata
Achillea maritima
Papaver lecoquii
Potentilla tabernaemontani
Comarum palustre
Nasturtium microphyllum
Salicornia emerici
Artemisia maritima
Microthlaspi perfoliatum
Trichophorum germanicum
Triglochin palustris

X *Dactylodenia evansii*
 X *Dactylodenia heinzliana*
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