

County Durham Rare Plant Register
2016



JOHN L. DURKIN MSc. MCIEEM
BSBI Recorder for County Durham
25 May Avenue. Winlaton Mill, Blaydon,
NE21 6SF

durkinjl@aol.com
www.durhamnature.co.uk

Contents

Introduction to the rare plants register

Notes on plant distribution and protection

The individual species accounts in alphabetical order

Site Index

First published 2010.

This is the 2016, fourth edition of the “RPR”, dedicated to Keith Cunningham, who helped so much with the early databases and in many other ways.

Improvements in this edition include-

- ❖ The new English Red List is incorporated into this edition.
- ❖ An additional 10% records, most of these more recent and more precise.

Cover picture—Bird’s Eye Primrose at Widdybank Fell.

Introduction

Most counties are in the process of compiling a County Rare Plant Register, to assist in the study and conservation of their rare species. The process is made easier if the county has a published Flora and a strong Biological Records Centre, and Durham is fortunate to have Gordon Graham's Flora and the Durham Wildlife Trust's "Recorder" system. We have also had a Biodiversity project, based at Rainton Meadows, which until 2013 carried out conservation projects to protect the rare species. It is hoped that the "RPR" will act as a stimulus for local botanists to make special efforts to improve the database by recording these species. The register will be used to increase our understanding of the status and distribution of the rare species, and to aid and promote their conservation.

Species Covered

Three groups of vascular plant species are included. Firstly, the nationally rare and/or declining species listed in the BSBI/IUCN list. These are classified as "Critically Endangered", "Endangered", "Near Threatened", "Vulnerable", on the basis of decline, numbering 91 in Durham. Species that are "Rare" or "Scarce" on the basis of numbers, but not declining, account for another 35. These species are mainly those that were listed in the "Red Data Book" and in "Scarce Plants in Britain". These two publications give ecological information on the species covered, which is not repeated here.

Durham has an exceptionally large number of the two groups described above, 126 in all, mainly because of the importance of the Teesdale flora.

Secondly, the "English Red List", produced on the same basis, but covering just England. This accounts for another 97 species. See below for details of this.

Thirdly, to cover species of local rather than national importance, a species qualifies as "locally rare" if it has been recorded in three or less sites in the county. A "site" has also been defined as a "Wells" site. A "Wells" site is a floating kilometre square, so that, for example, most of the rare species in Hawthorn Dene have a single Wells site there, even though plants may be on both sides of a kilometre grid line or may be present in two "tetrads". The number of Wells sites gives a better indication of a plant's scarcity. This would include 54 species in Durham.

For the purposes of the current edition, I have excluded some casual, horticultural and/or introduced species, and some species that have not been recorded for some time. The lists would otherwise, for example, include many long-extinct ballast aliens.

"Critical" species of *Rubus* are not included in this edition.

The New English Red List

This text is largely from “A Vascular Plant Red List for England”

The results detailed in the vascular plant Red List present for the first time the current state of England’s flora measured against standardised IUCN criteria. Almost one in five species has been assessed as threatened, with many more species assessed as ‘Near Threatened’. The destruction and transformation of semi-natural habitats across the English landscape since the publication of the first *Atlas of the British Flora* (Perring & Walters 1962) is well known, and these changes are mirrored not only in the long list of taxa assessed as threatened in England but also in the decline in distribution by 20% or more of a suite of ‘Near Threatened’ species, some of which were previously assumed to be widespread and with relatively stable distributions. The strategic approach advocated by Lawton *et al.* (2010) to restore, create and connect extant habitats at the landscape scale is essential if the declines identified in this and other Red Lists are to be arrested. Such an approach demands long-term commitment, considerable resources and a recognition of the benefits to be gained from a more diverse and adaptable environment.

The analysis produced a number of results that may seem surprising to some, perhaps none more so than the **NT** status assigned to taxa that may be presumed by many to be under no immediate threat, notably *Briza media*, *Calluna vulgaris*, *Campanula rotundifolia*, *Cruciata laevipes*, *Drosera rotundifolia*, *Erica cinerea*, *Erica tetralix*, *Fragaria vesca*, *Helianthemum nummularium*, *Hydrocotyle vulgaris*, *Knautia arvensis*, *Nardus stricta*, *Oxalis acetosella*, *Plantago media*, *Potentilla erecta*, *Sanicula europaea*, *Silene flos-cuculi*, *Solidago virgaurea*, *Succisa pratensis*, *Valeriana officinalis*, *Veronica officinalis*, and *Veronica scutellata*.

At first glance it seems remarkable that many of these species were so close to being assessed as **VU** in England. However, the *New Atlas* accounts for all but three of the 22 species listed above mention decline in range or population, and closer examination of this suite of species reveals a pattern of decline similar to, but less severe than, many taxa assessed as threatened. For example, many have suffered their greatest losses in lowland England and display a strong preference for infertile and moderately acidic soils (e.g. *Calluna vulgaris*, *Drosera rotundifolia*, *Erica cinerea*, *E. tetralix*, *Nardus stricta*, *Potentilla erecta*), whereas others (e.g. *Hydrocotyle vulgaris*, *Silene flos-cuculi*, *Succisa pratensis*, *Veronica scutellata*) are associated with wet, generally infertile soils that may be particularly prone to habitat loss or damage as a result of eutrophication, loss of grazing and/or hydrological changes including land drainage.

National Categories	
Critically Endangered	4
Endangered	17
Vulnerable	43
Near Threatened	27
Rare or Scarce, but not declining.	35
Total	126
English Categories (additional to National Categories)	
Critically Endangered	2
Endangered	4
Vulnerable	28
Near Threatened	60
Data deficient	3
Total	
Durham County Categories	
Locally rare or very scarce	54
Total	
Grand Total	267

Geographical Area

The Durham Rare Plant Register covers the Watsonian Vice County of Durham, numbered as "66". Short notes on the VC65 area of Upper Teesdale are included because this is now part of the administrative county of Durham, and because the important Upper Teesdale National Nature Reserve is bisected by the VC boundary. This nationally important botanical area holds a large proportion of the British populations of a number of Red Data Book species, with most of these occurring on both sides of the Tees. The Upper Teesdale NNR also holds most or all of the English distribution of several species of predominantly Scottish distribution, such as Scottish Asphodel, Alpine Willowherb and Alpine Meadow Rue. Sites in VC65 are included in the maps, and are indicated as such in the text, but are not usually listed.

Contributors

The Register is compiled by John Liam Durkin, from about 500,000 records including many extracted from "Recorder" by Keith Cunningham, from Gordon Graham's Durham Flora, from Andy McLay's survey of Gateshead district, Darlington and Teesdale Naturalists Field Club, the Natural History Society of Northumbria, Anne and Gordon Young, John O'Reilly and contributions from many recorders via the BSBI system, and from other written sources. These records have been compiled into the "Mapmate" recording system and the BSBI on-line database. There are about 7000 records of the selected rare species.

New records, amendments and updates are very welcome.

Photographs that have no credits are by John Durkin. Several high quality photographs were kindly provided by UKWildflowers.com; these and other contributions are individually credited.

The Species Accounts; Introduction

Text

The text is intentionally brief, and usually summarises distribution and highlights any trends. More details of historic records and recorders can be found in the Durham Flora. More details of the biology of these species can be found in the Vascular Plants Red Data Book and in Scarce Plants in Britain.

The species are listed in alphabetical order and mostly follow Stage 4.

The Records

For each species, a table of the most recent record for each grid reference is given. The grid references vary considerably in definition- most are to the nearest 100m, a few are only to 1 kilometre, and many of the most recent are GPS readings accurate to less than 10 metres. In time, all of the modern records will be at 10 metre accuracy, unless there is a good reason for not publicising this.

For most taxa, only records since 1980 are listed. The site lists are colour coded, White background =SSSI, Green =LWS, Red = no status

Some of tables are quite large, particularly for *Sesleria* and for the *Alchemillas*. The option of excluding these tables in favour of a map and description was rejected. Though they take up a lot of space, they reflect the importance of County Durham for these rare species.

Protected Status of Sites

Each row in the tables of records is background coloured according to the protected status of the site-

- Most of the records are from NNRs and SSSIs, and are uncoloured/white.
- Local Wildlife Sites, formerly known as County Wildlife Sites or Sites of Nature Conservation Importance, are coloured in green.
- Sites with no protected status are coloured red, for danger !

There are several uncertainties here. Some records, particularly older ones, could be inside or outside the designated site. For most of the LWSs, there are not easily accessible, up to date boundary maps. LWSs are currently being reviewed by local authorities, so there may be changes in the pipeline.

In the current assessment, about 60% of the listed records are in SSSIs/NNRs. Just over 20% are in Local Wildlife Sites, and just under 20% are in sites with no designation.

Being within a designated site is not the whole picture for the conservation of a rare species, but it's a good start. There are some discrepancies in the protection afforded to different species, and these are highlighted below and in the species accounts.

The Maps

All of the species are mapped at 1 km or 2km level, using DMAP. Dark green squares are records since 2000, light green squares are 1990-1999, and yellow squares are older records, from all periods. Species with a distribution solely in the west “NY” part of the county or in the eastern part of County Durham are mapped with larger scale maps of the relevant part of the county, and on a one kilometre basis, again with dark green squares showing records since 2000.

The maps include the VC65 area of Upper Teesdale.

The squares are centred on the grid reference, and may overlap. Note that this is different, and more accurate, than the maps of earlier editions, which simply mapped monads and tetrads.

Sometimes the maps show quite distinct declines in the distribution of a species- see, for instance, *Primula farinosa* and *Astragalus danicus*. In the rare cases of expanding ranges, this is covered in the text.

Significant Populations

Durham has significant populations of a number of nationally rare and scarce species-

Species		Proportion in Durham
<i>Alchemilla acutiloba</i>	Starry Lady's Mantle	100%
<i>Alchemilla glomerulans</i>	Clustered Lady's Mantle	More than 15%
<i>Alchemilla monticola</i>	Velvet Lady's Mantle	100%
<i>Alchemilla subcrenata</i>	Large-toothed Lady's Mantle	100%
<i>Bartsia alpine</i>	Alpine Bartsia	More than 30%
<i>Epipactis atrorubens</i>	Dark Red Helleborine	More than 60%
<i>Helianthemum oelandicum levigatum</i>	Teesdale Rockrose	100%
<i>Maianthemum bifolium</i>	May Lily	More than 30%
<i>Minuartia stricta</i>	Teesdale Sandwort	100%
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	About 70%
<i>Saxifraga hirculus</i>	Marsh Saxifrage	More than 50%
<i>Sesleria caerulea</i>	Blue Moor Grass	More than 20%
<i>Viola rupestris</i>	Teesdale Violet	More than 30%

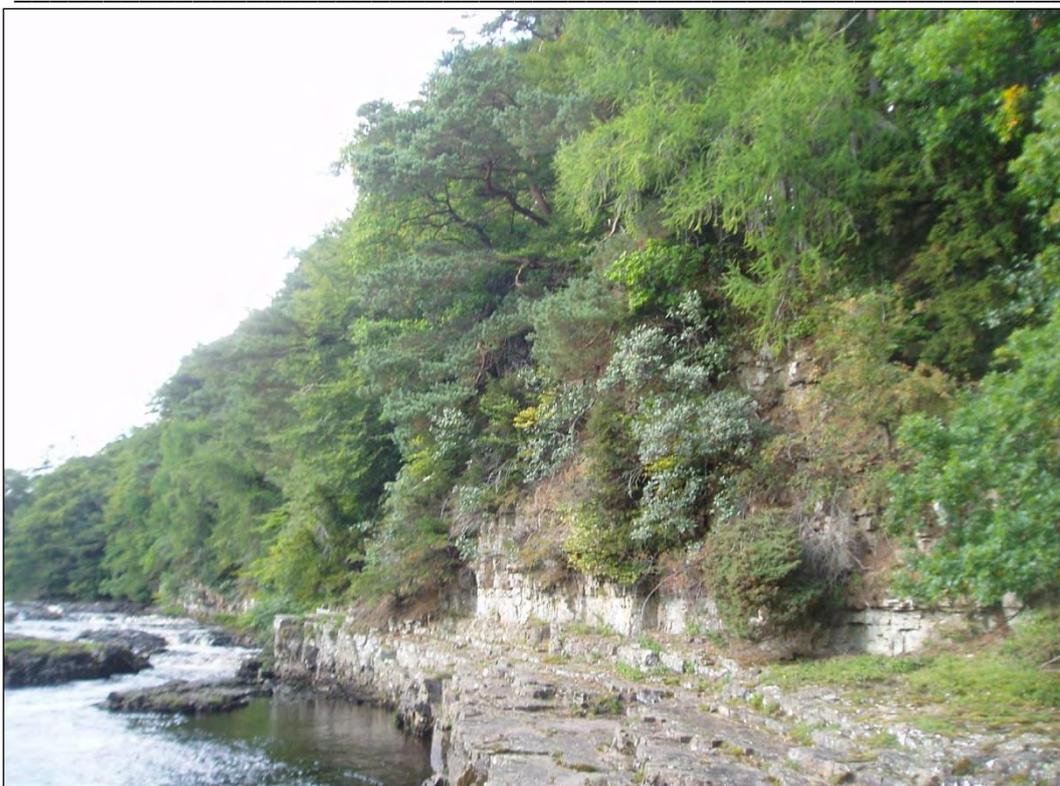
Deficient Site Protection

Several species have site protection which seems inadequate for their status. The most notable are Rock Whitebeam *Sorbus rupicola* and May Lily *Maianthemum bifolium*.

The main site for Rock Whitebeam, with two thirds of its North Pennine population, has no protection at all, though the cliffs on which it grows also have four other RPR species; *Sesleria caerulea*, *Asplenium pachyrachis*, *Potentilla fruticosa* and *Juniperus communis*.

The only site for May Lily is just a Local Wildlife Site, with the boundary drawn too tightly around the plant's location, so that it could easily be adversely affected by forestry operations nearby. *Crepis mollis* is found in the adjoining woodlands.

Several species, notably Wood Barley, Downy Currant, Dog Violet, Greater Butterfly Orchid and Intermediate Wintergreen are well covered at the Local Wildlife Site level, but lacking in SSSI sites. The Intermediate Wintergreen LWSs in Hamsterley Forest are drawn too tightly around the previously recorded locations.



**The county's least protected rare species site,
the Rock Whitebeam cliffs at Winch Bridge.**

The Species Accounts, Alphabetical List



Bird's Eye Primrose, a very pale form at Widdybank.

Alchemilla acutiloba
Starry Lady's Mantle

National Status Vulnerable
 County Status Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

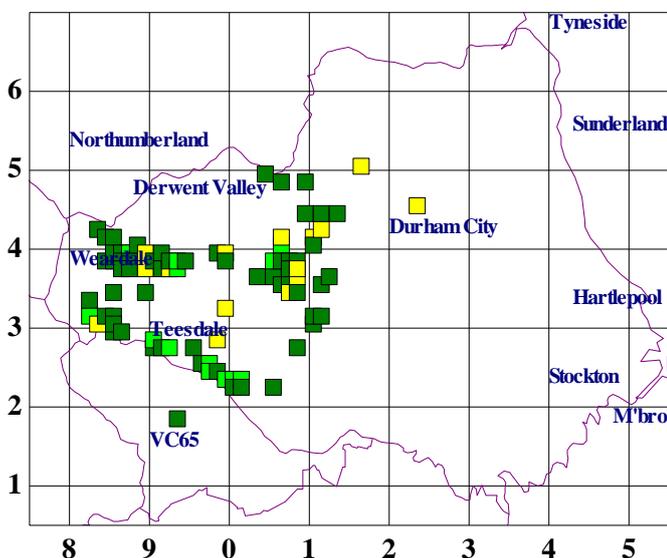
A. acutiloba is a Northern Montane European species that grows in Teesdale and in Weardale. It has been known to be in Teesdale since 1946 but was not collected in Weardale until 1951 when Bradshaw found a dense colony, determined by Walters, on the disturbed ground near the new Burnhope reservoir dam.

In the 1950s it was very frequent in some meadows and on road and rail verges in Weardale but not as common in these habitats in Teesdale. It is also known in a scatter of sites, mostly roadsides to the east and north. There are several recent discoveries in the NZ14, Lanchester area.

Since the mid 20th century this species has become much scarcer in both Dales. In the meadows, the records of *A. acutiloba* in Teesdale have been reduced from 20 visited sites (of 27 originally identified) to 16 and in Weardale from 164 to 82, losses of 20% and 50% respectively.

These losses amount to 80% overall. There have been even greater losses in both Dales from roadside and rail-side habitats and from certain meadows.

Alchemilla acutiloba



Teesdale sites

2001	NY840417	A689, High Burnt Hills, S verge	K Bowie, K Cunningham, Frank Daly.
2001	NZ117356	A689, near Mill Hills, N verge	K Bowie, K Cunningham, Frank Daly.
2001	NY840418	A689, opp Mount Pleasant, N verge	K Bowie, K Cunningham, Frank Daly.
2001	NY837420	A689, opp Mount Pleasant, S verge	K Bowie, K Cunningham, Frank Daly.
11-Jun-03	NY854311	B6277, S of Langdon Beck Bridge, east verge	K Bowie, K Cunningham, Frank Daly.
04-Jul-03	NY853310	B6277, S of Langdon Beck Bridge, west verge	K Bowie, K Cunningham, Frank Daly.
25-Jun-96	NY865396	Bellhill	Wigginton, Dr M.J.
12/07/06	NY8529	Harwood Beck	G Young
25-Jun-96	NY868395	Blackdene	Wigginton, Dr M.J.
	NY869393		
01/09/02	NY84003195	Bowes Close	M Bradshaw
24-Jul-99	NY905280	Bowlees	M Bradshaw
26/06/91	NY920271	Brockers Gill	GGG
09/09/03	NY91852725	Brockers Gill	M Bradshaw
Jun-89	NY921272	Brockers Gill Meadow	Graham, Rev G.G.
13-Jun-02	NY987241	Burncroft Farm, near retaining wall, south verge	K Bowie, K Cunningham, Frank Daly, John Durkin.
07-Jul-05	NY85333868	Causeway Road	Jane Young
22/08/00	NZ07103573	Chatterley	M Bradshaw
31-Jul-07	NZ127360	Coal Road	K Cunningham
28/06/02	NY84924150	Cornriggs	M Bradshaw
30-Jun-09	NY846416	Cornriggs Meadows SSSI	Baines, Miriam
23-Jun-08	NZ064358	Towdy Potts, edge of meadow	J O'Reilly & Fiona Corby

29/06/07	NZ00892232	Eggleston	K Cunningham
31-Jul-99	NZ00902321	Eggleston	M Bradshaw
30-Jul-99	NZ00552345	Eggleston	M Bradshaw
	NZ00952320		
	NZ01002315		
30/08/99	NY97812468	Eggesburn	M Bradshaw
31-Jul-99	NY98252450	Eggesburn	M Bradshaw
18/06/07	NY915375	Field Head	John O'Reilly
	NY915377		
	NY916376		
	NY916377		
	NY917376		
	NY917377		
Jun-90	NZ011230	Folly Top	GGG
21/06/00	NZ01502265	Folly Top	M Bradshaw
11-Jun-05	NY9318	Hannah's Meadows SSSI	Cleveland Naturalists Field Club
2009	NY82733324	Harwood	Natural England
16-Jun-00	NY85973030	Harwood Beck	M Bradshaw
28/06/02	NY84734162	Heathery Cleugh	M Bradshaw
13-Jul-07	NY850418	High Greenfield	John O'Reilly
17-Jul-07	NY879381	High Prys	J O'Reilly
26-Jun-96	NY829315	Honey Pot	Wigginton, Dr M.J.
08/10/06	NZ05102264	Kinninvie	M Bradshaw
08/10/06	NZ05102265	Kinninvie	M Bradshaw
30-Jun-00	NY85303113	Langdon Beck	M Bradshaw
2009	NY841319	Langdon Beck	Natural England
26-Jun-96	NY853312	Langdon Beck	Wigginton, Dr M.J.
2000	NY85603450	Langdon Common	M Bradshaw
11-Jul-08	NY859392	Low Rigg meadow	Fiona Corby
17-May-02	NY963255	Low Thatch Lea, north verge	K Bowie, K Cunningham F Daly, J Durkin.
18-Jun-07	NY996382	Meadow nr Bushy Flat	John O'Reilly
2001	NY885405	Middlehope Bank, north verge	K Bowie, K Cunningham Frank Daly.
27-Jun-05	NY95052728	High Dyke to Middle End	Jane Young

31-Jul-99	NY97052550	Middleton in Teesdale	M Bradshaw
25-Jun-96	NY871391	Newhouse	Wigginton, Dr M.J.
12-Jul-05	NY86793938	Newhouse to Burtreeford Road	Jane Young
12-Jul-06	NY8629	River Tees, up-river from Cronkley Bridge	Ann & Gordon Young
03/06/08	NY909389	Road verge Scutter Hill	John O'Reilly
20/06/02	NY969255	Stotley Hall, north verge E of metalled road.	K Bowie, K Cunningham F Daly, J Durkin.
17/05/02	NY982244	Toby Hill Farm, entrance, S verge	K Bowie, K Cunningham F Daly, J Durkin.
26/06/09	NY8409631936	Verge E of Greenhills	John O'Reilly
08/07/92	NY990238	Eggleston	GGG
1999	NY91822721	West Brockers Gill	M Bradshaw
09/09/03	NY90452795	Winch Bridge	M Bradshaw

Wear Sites

2001	NY985394	A689, W of Stanhope, south verge	K Bowie, Keith Cunningham Frank Daly.
2000	NZ10203149	Bedburn	M Bradshaw
2000	NZ10893142	Bedburn	M Bradshaw
24-Jul-99	NZ10853140	Bedburn	M Bradshaw
16-Jun-08	NZ038363	Broadwood Quarry	John O'Reilly
25-Jun-96	NY932376	Brotherlee	Wigginton, Dr M.J.
22-Aug-00	NZ07453535	Doctor's Gate	M Bradshaw
24-Aug-00	NY94103805	Eastgate	M Bradshaw
2000	NY94103807	Eastgate	M Bradshaw
2000	NY94273808	Eastgate	M Bradshaw
24-Aug-00	NY94303808	Eastgate	M Bradshaw
24-Aug-00	NY94353812	Eastgate	M Bradshaw
25-Jun-96	NY932382	Eastgate	Wigginton, Dr M.J.
2000	NZ10023048	Hamsterley	M Bradshaw
02-Aug-03	NZ100305	Hamsterley	M Bradshaw
29/05/00	NZ101306	Hamsterley	M Bradshaw
2000	NZ11003100	Hamsterley	M Bradshaw
24-Jul-99	NZ11203135	Hamsterley	M Bradshaw
2000	NZ11203137	Hamsterley	M Bradshaw
24-Jul-99	NZ11303135	Hamsterley	M Bradshaw
18-Jun-07	NY910378	Haswicks	J O'Reilly
18-Jun-07	NY911379	Haswicks	J O'Reilly
17-Jun-06	NY848384	Ireshopeburn	M Bradshaw
01/05/07	NY852389	Ireshopeburn	M Bradshaw
24-Jun-00	NY86583890	Ireshopeburn	M Bradshaw
28-Aug-99	NY869378	Ireshopeburn	M Bradshaw

24-Jun-00	NY84154170	Lanehead	M Bradshaw			
02/09/10	NZ087385	Redgate Quarry	A McLay			
05-Jul-07	NZ08603411	Shull	K Cunningham			
2000	NY86913738	St John's Chapel	M Bradshaw			
	NY87563746					
	NY88733812					
24-Jun-00	NY87303835	St John's Chapel	M Bradshaw			
24-Jul-99	NY87553740	St John's Chapel	M Bradshaw			
	NY886383					
	NY87973822					
	NY88753810					
	NY88603845					
09-Sep-03	NY88603830	St John's Chapel	M Bradshaw			
10-Jun-00	NY89603452	Swinhope Burn	M Bradshaw			
09-Sep-06	NY89573462	Swinhope Burn	M Bradshaw			
		Swinhope Head	M Bradshaw			
				NY89583455		
19-Aug-97	NZ064408	Tunstall Reservoir	Graham, Rev G.G.			
25-Jun-96	NZ063408	Tunstall Reservoir	Wigginton, Dr M.J.			
25-Jun-96	NZ074377	Waskerley Burn	Wigginton, Dr M.J.			
24-Jun-00	NY85413948	Wearhead	M Bradshaw			
24-Jun-00	NY85503948	Wearhead	M Bradshaw			
24-Jun-00	NY85573955	Wearhead	M Bradshaw			
29/05/00	NY85453949	Wearhead	M Bradshaw			
29/05/00	NY85533952	Wearhead	M Bradshaw			
				2000	West Blackdene	
						NY86603900
						NY86653951
27-Jul-99	NY86653955	West Blackdene	M Bradshaw			
NY86753950						
30-Jul-99	NY86803935	West Blackdene	M Bradshaw			
1999	NY92353800	Westgate	M Bradshaw			
30-Aug-99	NY91153785	Westgate	M Bradshaw			

30/08/99	NY91173790	Westgate	M Bradshaw
03-Sep-99	NY91103785	Westgate	M Bradshaw
	NY91533779		
	NY91703777		
	NY918377		
2000	NY91153788	Westgate	M Bradshaw
07-Jun-00	NY90903801	Westgate	M Bradshaw
	NY91003907		
	NY91173785		
24-Aug-00	NY90853880	Westgate	M Bradshaw
	NY90973869		
	NY91003905		
	NY91003915		
	NY91243788		
	NY92553802		
09-Sep-03	NY91153795	Westgate	M Bradshaw
09-Sep-03	NY91603770	Westgate	M Bradshaw
2000	NZ06713829	Wolsing-ham	M Bradshaw
	NZ07203619		
	NZ07273570		
2002	NZ07493530	Wolsingham	M Bradshaw
03-Sep-99	NZ05723820	Wolsing-ham	M Bradshaw
	NZ06753828		
	NZ07053838		
	NZ072382		
16/05/00	NZ06753825	Wolsing-ham	M Bradshaw
	NZ06953810		
22-Aug-00	NZ05253680	Wolsing-ham	M Bradshaw
	NZ05553683		
	NZ07233620		
	NZ07503685		
	NZ07623795		
	NZ07623812		
09-Sep-03	NZ06903820	Wolsing-ham	M Bradshaw
	NZ07603795		
	NZ07603810		
02-Aug-03	NZ08502725	Woodland	M Bradshaw
08 Aug 2011	NZ115443	East Butsfield Alchemilla verge	S M Hedley
30 Aug 2011	NZ132447	B6296 near Stobilee Farm	S M Hedley
12 Jul 2011	NZ104408	Butterwife Sike Barn, B6296 W side	S M Hedley

21 Jun 2011	NZ093445	North of Denehouse Bridge, E side	S M Hedley
-------------	----------	-----------------------------------	------------

Derwent Valley Sites

24-Jul-07	NZ046490	Muggleswick Woods	John O'Reilly
21/05/04	NZ0948	Waskerley way, Rowley to Hownsgill Viaduct	Northern Naturalists' Union Meetings
05-Jul-11	NZ0648	Horsleyhope Ravine	Keith Cunningham
20-Jul-06	NZ05654905	Derwent Gorge NNR	Keith Cunningham

Alchemilla filicaulis filicaulis Slender Lady's Mantle

National Status None
County Status Rare

17 Jun 2006	NY9012 2495	Crooks o' Green Fell	Robson, Craig
-------------	-------------	----------------------	---------------

Alchemilla glomerulans
Clustered Lady's Mantle

National Status	Vulnerable
English Status	Endangered
County Status	Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

This species has an Arctic–Alpine distribution, in Scotland mostly above 615m and in the North of England near to the southern limit of its distribution as low as 250m. Walters found *A. glomerulans* when he visited Teesdale in 1947, it is now known in meadows, meadow-type vegetation by the Tees and hill grassland up to 676m in VC 69 and also in four adjacent meadows in Teesdale which were not included in the original survey and in a meadow and on a verge in VC 70. It was found by Bradshaw in one meadow and on a nearby railway cutting in Weardale in the 1950s and it is still at the latter site.

The main areas of distribution of *A. glomerulans* are in Scotland where it is scarce. In England it is on the southern fringe of its range.

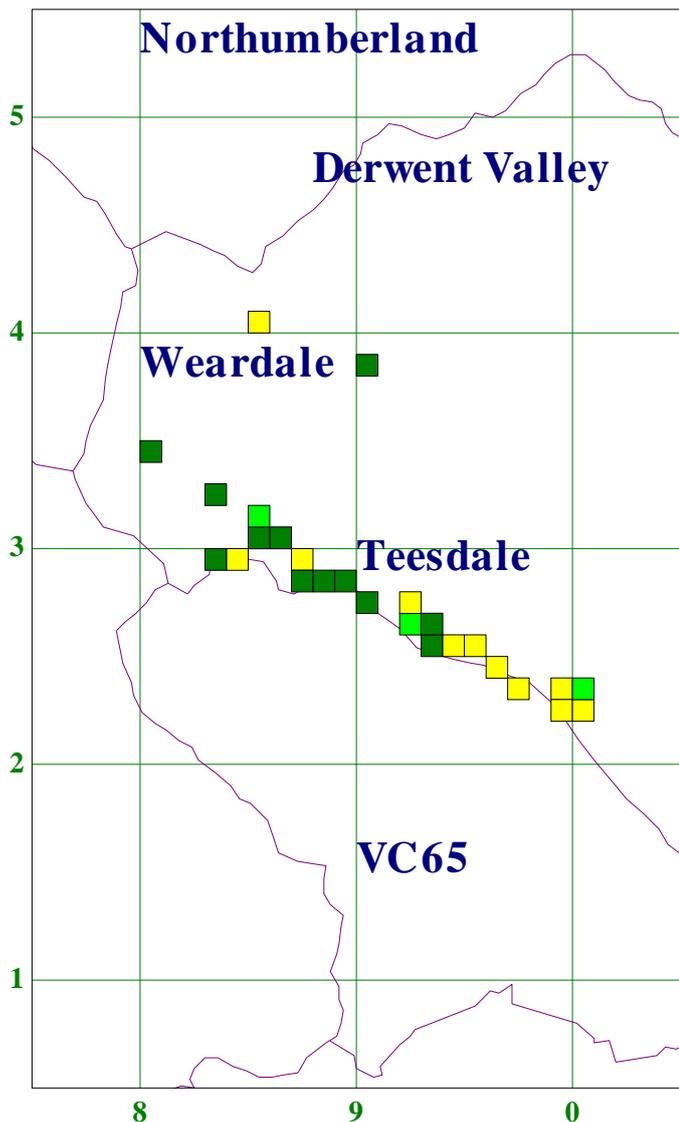
It is absent from the Lakes and has become scarcer in both Craven and the Durham Dales. The loss of the Pennine plants would constitute a serious contraction of its range.

Like the meadow species the records of *A. glomerulans* in Teesdale have decreased, from 74 in the 1950s to 14 (including 4 recent finds in a group of fields not covered in the original survey), a loss of 82%. In Weardale it has gone from the meadow leaving just the railway cutting site, a loss of 50%. Some losses are from meadows, one due to ploughing, but it is the sites, usually with single plants, in close grazed hill pastures that have decreased the most.



Photographed in County Durham
by UKWildflowers.com

Alchemilla glomerulans



Weardale Site

16-Oct-00	NY90903801	Westgate	M Bradshaw
-----------	------------	----------	------------

Teesdale Sites

09/09/03	NY93602550	Breckholm	M Bradshaw
29-Aug-02	NY83722956	Cronkley Scar	M Bradshaw
2009	NY808341	Dale Head	Natural England
14-Jun-00	NY93302634	Dent Bank	M Bradshaw
09-Sep-03	NY93302620	Dent Bank	M Bradshaw
09-Sep-03	NY93602590	Dent Bank	M Bradshaw
08-Jun-00	NY93152615	Dent Bank	M Bradshaw
	NY933261		
	NY933262		
2009	NY863308	East Under Hurth	Natural England
	NY864308		
20-Sep-91	NZ001234	Eggleston Burn	M Bradshaw
12-Jun-04	NY87752835	Force Garth	M Bradshaw
17-Jul-03	NY88022872	Force Garth	M Bradshaw
08-Jun-00	NY88052855	Force Garth	M Bradshaw
	NY87982858		
09-Sep-03	NY88052860	Force Garth	M Bradshaw
10-Jun-04	NY87752840	Force Garth Pasture	M Bradshaw
20-Jun-00	NY8332	Harwood	Schober, M
27-Aug-07	NY88852828	Holwick Head Bridge	M Bradshaw
20-Jun-02	NY89052830	Holwick Head Bridge	M Bradshaw
28-Jun-02	NY89952825	Holwick Head Bridge	M Bradshaw
12/07/06	NY8530	Harwood beck	G Young
21-Jun-99	NY8531	Langdon Beck bridge, near	Jones, Vincent
04-Jun-08	NY909273	Meadow by River Tees	John O'Reilly
08-Jun-00	NY935262	Middleton in Teesdale	M Bradshaw
	NY93592593		
07-Jun-00	NY93602555	Middleton in Teesdale	M Bradshaw
	NY93682553		
16-Oct-00	NY93682595	Middleton in Teesdale	M Bradshaw
02-Jun-81	NY858400	Sedlington Farm, Cowshill	Graham, Rev G G.
1997	NY929269	Woodside Farm	Sykes, M.
09-Sep-03	NY86303090	West Under Hurth	M Bradshaw
31-May-07	NY83842990	Widdybank Farm	John O'Reilly
16-Jul-07	NY89822821	Winch Bridge	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw

Alchemilla monticola
Velvet Lady's Mantle

National Status Endangered
 County Status

The account of this species follows the text of a recent review by Margaret Bradshaw.

A. monticola is a Northern Montane European species that grows in Teesdale and in Weardale.

The Teesdale presence of *A. monticola* was first known in 1922 and Walters (1947) found it to be frequent in meadows and on roadsides and this was still the case in the 1950s. In upper Weardale, Bradshaw found one colony on a verge in a side valley – still there in 2006 – and many plants to the east, around Hamsterley Village Green on the south side of the valley.

Since the mid 20th century this species has become much scarcer in both Dales. The records for *A. monticola* in Teesdale have declined from 330 to 63. At Hamsterley the plants have been destroyed due to tidying of the Green, but the very small colony of plants at the other Weardale site survive.

These losses amount to 97%. There have been even greater losses in both Dales from roadside and rail-side habitats and from certain meadows

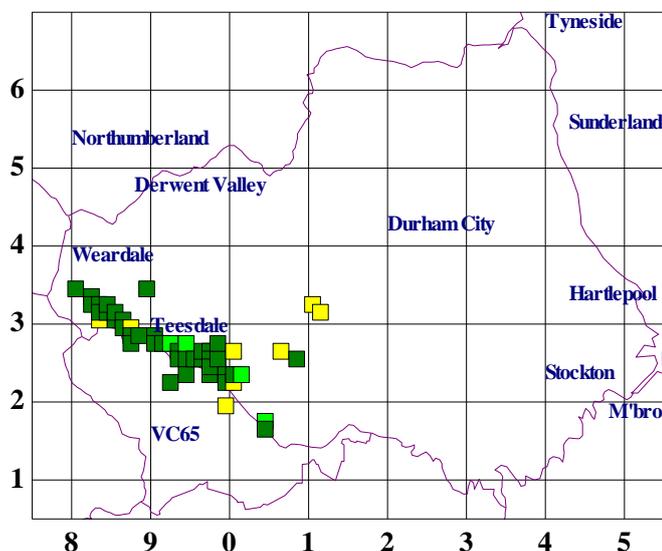


Photographed in County Durham by UKWildflowers.com

Teesdale Sites

01/09/02	NY84413186	B6277 Rdside W of Mile Post 14	Margaret Bradshaw
11/06/03	NY841319	B6277, adj to Greenhills road junction, N verge	Keith Bowie, Keith Cunningham Frank Daly.
04-Jul-03	NY834325	B6277, Bowes Close, NE verge.	K Bowie, K Cunningham Frank Daly.
11/06/03	NY853310	B6277, north of Langdon Beck Bridge, east verge	K Bowie, K Cunningham F Daly.
07-Jul-03	NY833326	B6277, NW of Bowes Close, NE verge above retaining wall	Keith Bowie, Keith Cunningham Frank Daly.
04-Jul-03	NY824336	B6277, NW of Peases Cottage, NE verge	K Bowie, K Cunningham F Daly.
04-Jul-03	NY830329	B6277, SE of Lingy Hill, NE verge.	K Bowie, K Cunningham F Daly.
11-Jun-03	NY854311	B6277, S of Langdon Beck Bridge, east verge	K Bowie, K Cunningham F Daly.
24/06/00	NY94702385	Bowbank	M Bradshaw

Alchemilla monticola



31/08/02	NY83403230	Bowes Close	M Bradshaw
09/09/03	NY83403236	Bowes Close	M Bradshaw
24/06/00	NY90102873	Bowlees	M Bradshaw
16/10/00	NY90502795	Bowlees	M Bradshaw
24-Jul-99	NY905280	Bowlees	M Bradshaw
09/09/03	NY93602550	Breckholm	M Bradshaw
26/06/91	NY920271	Brockers Gill	GGG
09-Sep-03	NY91702710	Brockers Gill	M Bradshaw
	NY91852725	Meadow	
13-Jun-02	NY987241	Burncroft Farm, near retaining wall, S verge	K Bowie, K Cunningham F Daly, J Durkin.
2009	NY809340	Dale Head	Natural England
02/06/79	NY937258	Dent Bank	M Bradshaw
05-Jun-08	NY932263	Dent Bank	J O'Reilly
16-Oct-00	NY93202613	Dent Bank	M Bradshaw
	NY933261		
09-Sep-03	NY93252610	Dent Bank	M Bradshaw
	NY93302620		
14-Jun-00	NY93102615	Dent Bank	M Bradshaw
	NY93212655		
	NY93252630		
	NY93302634		
	NY934262		
	NY93452615		
	NY93522594		
	NY935262		
2009	NY863308	East Under Hurth	Natural England
	NY864308		
	NY864309		
08-Oct-06	NY97692480	Eggleston Bridge	M Bradshaw
2002	NY98802403	Eggleston Bridge	M Bradshaw
08-Jul-92	NY990238	Eggleston	GGG
22-Jul-99	NY983244	Eggleston	M Bradshaw
16/10/00	NY98802405	Eggleston	M Bradshaw
16/10/00	NY99952350	Eggleston	M Bradshaw
16/10/00	NZ00452355	Eggleston	M Bradshaw
16/10/00	NY98122545	Eggleston	M Bradshaw
	NY98152452	Burn	
20-Jul-03	NZ00222377	Eggleston Burn	M Bradshaw
06-May-06	NZ043172	Flatts Wood	Upper Teesdale Botany Group
Jun-90	NZ011230	Folly Top	GGG

27-Jun-96	NZ012231	Folly Top	Wigginton, Dr M.J.
26-Jun-96	NY823333	Force Foot	Wigginton, Dr M.J.
14-Jun-00	NY87702878	Force Garth	M Bradshaw
	NY879286		
	NY87982858		
	NY88052855		
15-Jun-00	NY87902876	Force Garth	M Bradshaw
17-Jul-03	NY877273	Force Garth	M Bradshaw
	NY87932850		
	NY88022872		
09/09/03	NY88052860	Force Garth	M Bradshaw
09/09/03	NY87752835	Force Garth	M Bradshaw
10-Jun-04	NY87752840	Force Garth Pasture	M Bradshaw
22-Jun-00	NY86103032	Forest-in-Teesdale	M Bradshaw
09-Sep-03	NY86003030	Forest-in-Teesdale	M Bradshaw
	NY86652990		
	NY86803020		
2009	NY856302	Forest-in-Teesdale	Natural England
2009	NY82533347	Harwood	Natural England
	NY83043293		
01-Jul-03	NY82353250	Harwood Beck	Margaret Bradshaw
16-Jun-00	NY85973030	Harwood Beck	Margaret Bradshaw
20-Jun-02	NY977248	Heatherlea opposite view point car park, N verge.	K Bowie, K Cunningham Frank Daly, John Durkin.
04-Jun-08	NY903270	Holwick - road verge	John O'Reilly
22-Aug-00	NY85303115	Langdon Beck	M Bradshaw
2009	NY841319	Langdon Beck	Natural England
26/06/09	NY8352831822	Meadow by beck SW of Greenhills	John O'Reilly
26-Aug-06	NY9619725172	Meadow east of Middleton	John & Clare O'Reilly
	NY962250		
30/06/09	NY8427232080	Meadow south of Red Wing	John O'Reilly
	NY8429232050		
	NY8425532054		

26-Jun-09	NY83677 32036	meadow west of Greenhills	John O'Reilly
09-Jun-08	NY943254	Meadow west of Middleton	Fiona Corby
	NY944255		
24/06/00	NY93752630	Middle Side	M Bradshaw
26-Jun-96	NY931268	Middle Side	Wigginton, Dr M.J.
01-May-00	NY93522598	Middleton in Teesdale	M Bradshaw
14-Jun-00	NY936263	Middleton in Teesdale	M Bradshaw
16-Oct-00	NY93682553	Middleton in Teesdale	M Bradshaw
24-Jun-00	NY93692614	Middleton in Teesdale	M Bradshaw
	NY93702615		
	NY937261		
23-Jun-00	NY93682595	Middleton in Teesdale	M Bradshaw
	NY93732626		
09-Sep-03	NY96002520	Middleton in Teesdale	M Bradshaw
	NY96422515		
	NY96202525		
15-Jun-00	NY96212520	Middleton in Teesdale	M Bradshaw
	NY96252515		
	NY96352513		
	NY96452513		
	NY96452513		
	NY95952520		
16-Jun-00	NY96252505	Middleton in Teesdale	M Bradshaw
	NY96432507		
	NY96452510		
	NY98152788		
22-Aug-00	NY96722613	Middleton in Teesdale	M Bradshaw
16-Oct-00	NY93602555	Middleton in Teesdale	M Bradshaw
	NY97352520		
23-Jun-09	NY85843022	New House meadow	John O'Reilly
24/05/03	NY91702722	Newbiggin	M Bradshaw
2009	NY843318	Near Langdon Beck	Natural England
	NY843319		
	NY846317		
26-Aug-06	NY957252	Pasture E of Middleton	John & Clare O'Reilly
2009	NY836320	Harwood Beck	Natural England
	NY839319		
02-Jul-09	NY82721 33254	Verge by Peases Cottage	John O'Reilly
02-Jul-09	NY82408 33324	Verge E of Force Foot	John O'Reilly

01-Jun-08	NY972264	Verge near Stotley Grange	J O'Reilly, M Bradshaw, L Robinson
02-Jul-09	NY82591 33444	Verge S of Hill Top	John O'Reilly
30-Jun-09	NY84830 31712	Verge south east of Red Wing	John O'Reilly
	NY84803 31734		
	NY84769 31738		
	NY84703 31762		
	NY84665 31776		
	NY84615 31804		
	NY84497 31860		
	NY84463 31872		
	NY84454 31876		
	27-Jun-02		
26/06/96	NY949275	Snaisgill	Wigginton, Dr M.J.
30-Jun-00	NY96602623	Stotley Grange	M Bradshaw
	NY96722623		
16-Jun-00	NY96722625	Stotley Grange	M Bradshaw
27-Aug-07	NY96732629	Stotley Grange	M Bradshaw
20-Jun-02	NY969255	Stotley Hall, north verge E of metalled road.	K Bowie, K Cunningham Frank Daly, John Durkin.
26/06/09	NY84095 31936	Verge E of Greenhills	John O'Reilly
24/06/00	NY867299	West Blackdene	M Bradshaw
16/10/00	NY91822721	West Brockers Gill	M Bradshaw
27-Jun-07	NY876288	West Force Garth	John O'Reilly
20-Jun-02	NY963255	N verge W of West Stotley	K Bowie, K Cunningham F Daly, J Durkin.
24-Jul-99	NY85763075	West Underhurth	M Bradshaw
	NY862308		
16-Oct-00	NY858308	West Underhurth	M Bradshaw

09/09/03	NY85703080	West Underhurth	M Bradshaw
20-Jun-02	NY974251	Whistle Crag, north verge	K Bowie, K Cunningham F Daly, J Durkin.
09/09/03	NY90452795	Winch Bridge	M Bradshaw

Weardale Sites

20-Aug-06	NZ084253	Meadow S of Copley	John & Clare O'Reilly
09-Sep-06	NY896344	Swinhope Burn	M Bradshaw
2000	NY89603442	Swinhope Head	M Bradshaw
11-Jun-03	NY843318	B6277, W of St Johns Chapel road junction, N verge.	Keith Bowie, Keith Cunningham Frank Daly.

Alchemilla subcrenata
Large-toothed Lady's Mantle

National Status Endangered
 County Status Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

A subcrenata is the scarcest of the four Northern Montane European species of *Alchemilla vulgaris* agg found in Britain. It was first discovered in 1951 by Bradshaw near Newbiggin-in-Teesdale and identified by Walters. Its main area of distribution is restricted to Newbiggin and Holwick in Teesdale. In 2007 a few plants were found in a meadow near Allendale, in Northumberland (VC 67) a considerable distance from its centre in Teesdale.

In the early 1950s Bradshaw mapped its distribution in Teesdale and Weardale, revisiting the sites of the records in 2000 and subsequent years to 2007. Since the first survey the number of fields in which it has been recorded in Teesdale has fallen from 22 to 10 (49 to 25 dots) and it is now only in one road verge site. Most records are in meadows, where it is scarce, and two sites are in pastures. Plants found in two fields north of Stanhope in the 1950s could not be found in 2000 or 2002, the fields having been 'agriculturally improved'. Only the plants in one pasture are within the Moor House - Upper Teesdale NNR. Margaret Bradshaw's estimate of the number of individual plants is less than 100.

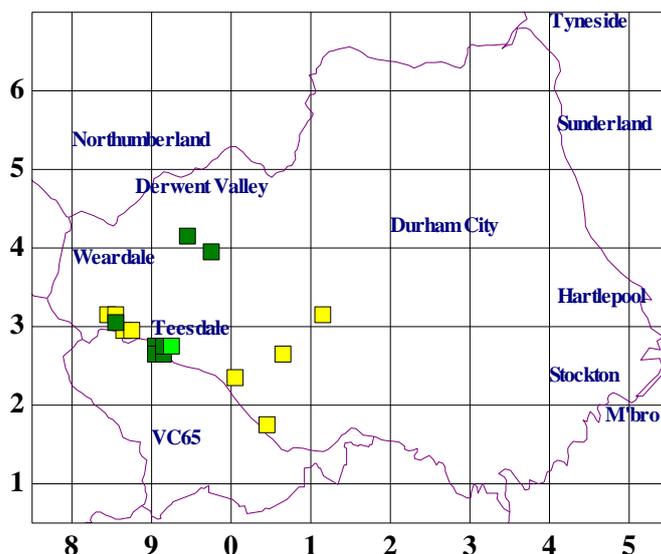
Wear Sites

18-Jun-09	NY97223977	Small triangular field south of Allerton Riggs	John O'Reilly
03-Jun-09	NY946413	Rookhope Burn	Keith Cunningham

Tees sites

26-Jun-91	NY918273	Brockers Gill	GGG
Jun-90	NY9227	Brockers Gill Meadow	Graham, Rev G.G.

Alchemilla subcrenata



1979	NZ043172	Flatts Wood	Sykes, M.
		Harwood Beck	G Young
12/07/06	NY8530		
24-Jul-99	NY90752724	Holwick	M Bradshaw
22-Aug-00	NY90752705	Holwick	M Bradshaw
	NY90852715		
	NY90902723		
	NY91122668		
	NY91252662		
	NY91282659		
	NY91382655		
24-Aug-00	NY91342656	Holwick	M Bradshaw
09-Sep-03	NY90802715	Holwick	M Bradshaw
25-Jun-05	NY90962675	Holwick	M Bradshaw
25-Jun-05	NY91032671	Holwick	M Bradshaw
08/07/00	NY905279	Bowlees	M Atkinson
26-Jun-91	NY912273	Newbiggin	GGG
24/05/03	NY91552723	Newbiggin	M Bradshaw
08-Jun-03	NY91552728	Newbiggin	M Bradshaw
08-Jun-03	NY91572718	Newbiggin	M Bradshaw
24/05/03	NY91602735	Newbiggin	M Bradshaw
24/05/03	NY916272	Newbiggin	M Bradshaw
04-Jun-08	NY909268	Seats Hill	J O'Reilly
22-Aug-00	NY91752710	West Brockers Gill	M Bradshaw
	NY91822721		
09-Sep-03	NY91852725	West Brockers Gill	M Bradshaw
	NY91702710		
22-Aug-07	NY90352775	Winch Bridge	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw

Alchemilla wichurae

National Status Endangered
County Status Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

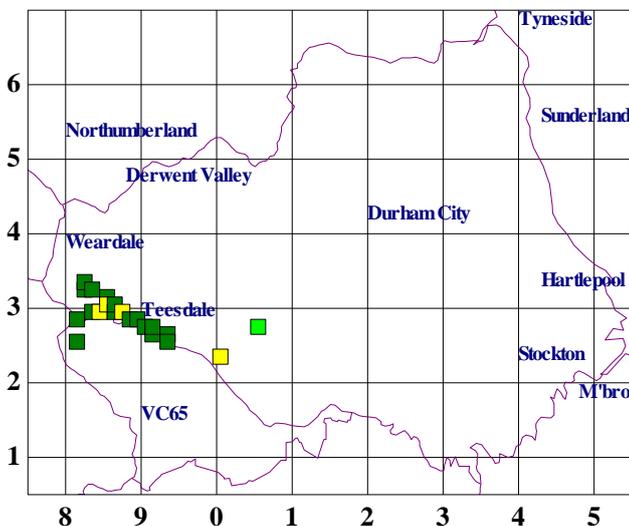
This species has an Arctic–Sub-arctic distribution, found in Scotland mostly above 615m and in the North of England near to the southern limit of its distribution as low as 250m.

A. wichurae was collected by Walters on Ingleborough (VC 64) in 1946 and in Teesdale in 1947 (VC 66 & 69). It has been found mainly as single plants in a few meadows, upland pastures and on limestone outcrops. Several records occur by waterfalls over the whin sill.

The main areas of distribution of *A. wichurae* are in Scotland where it is scarce. In England it is on the southern fringe of its range. *A. wichurae* is thinly scattered in Teesdale, Craven and The Lakes. The loss of the Pennine and Lakes District plants would constitute a serious contraction of range.

The changes in the records of *A. wichurae* are from 27 to 15. Most of the losses are from the meadow sites. *A. wichurae* has survived in the hill pastures better than *A. glomerulans*, though most records are of single plants.

Alchemilla wichurae



28-Apr-98	NZ052273	Blackling Hole	McCutcheon D.E.
09-Sep-03	NY83343223	Bowes Close	M Bradshaw
	NY83483219		
09-Sep-03	NY93602550	Breckholm	M Bradshaw
31-Aug-02	NY814255	Cauldron Snout	M Bradshaw
	NY814286		
29-Aug-02	NY83652945	Cronkley Scar	M Bradshaw
	NY83722956		
09-Sep-03	NY93252610	Dent Bank	M Bradshaw
24-Aug-00	NY933261	Dent Bank	M Bradshaw
2009	NY862308	East Under Hurth	Natural England
	NY863308		
2009	NY865290	Forest in Teesdale	Natural England
2009	NY82893338	Harwood	M Bradshaw
31-Jul-99	NY91752650	Holwick	M Bradshaw
24-Aug-00	NY90902738	Holwick	M Bradshaw
09-Sep-03	NY90802715	Holwick	M Bradshaw
09-Sep-03	NY91852725	Holwick	M Bradshaw
24-Aug-00	NY891283	Holwick Head Bridge	M Bradshaw
20-Jun-02	NY89052830	Holwick Head Bridge	M Bradshaw
26-Jul-03	NY88842828	Holwick Head Bridge	M Bradshaw
27-Aug-07	NY88862828	Holwick Head Bridge	M Bradshaw
07-Jun-03	NY8531	Langdon Beck	Hume, A.O.
31-Aug-02	NY82443222	Low End	M Bradshaw
28-Aug-99	NY829334	Peases Cottage	M Bradshaw
24-Aug-00	NY82913336	Peases Cottage	M Bradshaw
09-Sep-03	NY82903340	Peases Cottage	M Bradshaw
24-Aug-00	NY91752650	Brockers Gill, near	M Bradshaw
31/05/07	NY838298	Widdybank Farm	John O'Reilly
24-Aug-00	NY83842990	Widdybank Farm	M Bradshaw
22-Aug-07	NY83982990	Widdybank Farm	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw
24-Aug-00	NY90382770	Winch Bridge	M Bradshaw

***Actaea spicata* Baneberry**

National Status Scarce
 County Status Extinct

Recorded only once, at Bowes, at the future site of the Bowes Museum, in 1597 by Gerard. This was the first British record for this species.

***Adiantum capillus-veneris*
 Maidenhair Fern**

National Status Scarce
 County Status Rare hortal

***Allium schoenoprasum* Chives**

National Status Scarce
 County Status Extinct

Rocky pastures.

There are no recent records.

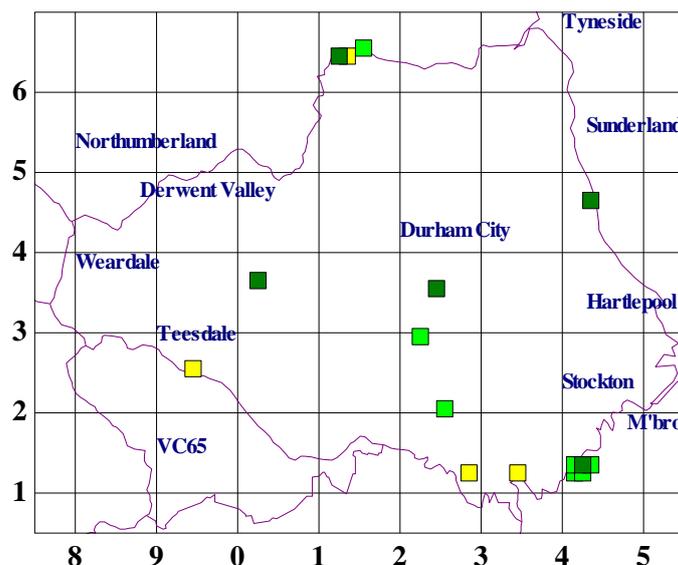
***Allium oleraceum* Field Garlic**

National Status Vulnerable
 County Status Occasional

Mainly on riverbanks.

22 Jun 98	NZ223296	Bishop Auckland	Graham, Rev G.G.
07 Jul 90	NZ416132	Eaglescliffe	Bungard, Dr S.J.
1990	NZ426124	Eaglescliffe	Bungard, Dr S.J.
1990	NZ430133	Eaglescliffe	Bungard, Dr S.J.
08 Jul 90	NZ416128	Eaglescliffe	Bungard, Dr S.J.
12 Jul 06	NZ4213	Eggescliffe	CNFC
21 Jun 98	NZ252202	Heighington	Graham, G.G.
2006	NZ0236	Frosterley	Shimwell, Dr D.W.
28 Jul 91	NZ152651	Ryton Willows	Rewcastle, L.
10 Apr 10	NZ1264	Tyne riverbanks, Wylam	John Liam Durkin

Allium oleraceum



***Alopecurus magellanicus* Alpine Foxtail**

National Status Scarce
 English Status Near Threatened
 County Status Extinct

Formerly rare in Upper Teesdale.

Found in 1945 on sheep cropped mounds of short turf near to the Tees by JKM, determined by CE Hubbard. The site is now under the Cow Green Reservoir.

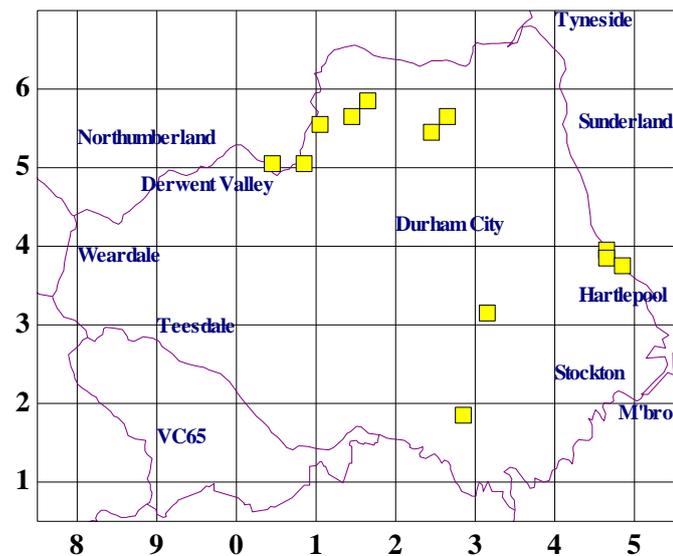
1945	NY8030	Cow Green Reservoir	Morton, Dr J.K.
------	--------	---------------------	--------------------

***Anacamptis morio*
Green winged Orchid**

National Status Near Threatened
 County Status Rare

Formerly widespread in old meadows and pastures, mostly in the Derwent Valley and at Blackhall Rocks. There are no recent records, though there may be undocumented re-introductions in the Stockton area.

Anacamptis morio



1925	NZ1055	Ebchester	JWHH
1927	NZ2818	Myer's Flatts	Nowers, J.E.
1950	NZ3131	Mainsforth	Cafe, R E N
1960	NZ4639	Blackhall Rocks	Taylor, Sir G.

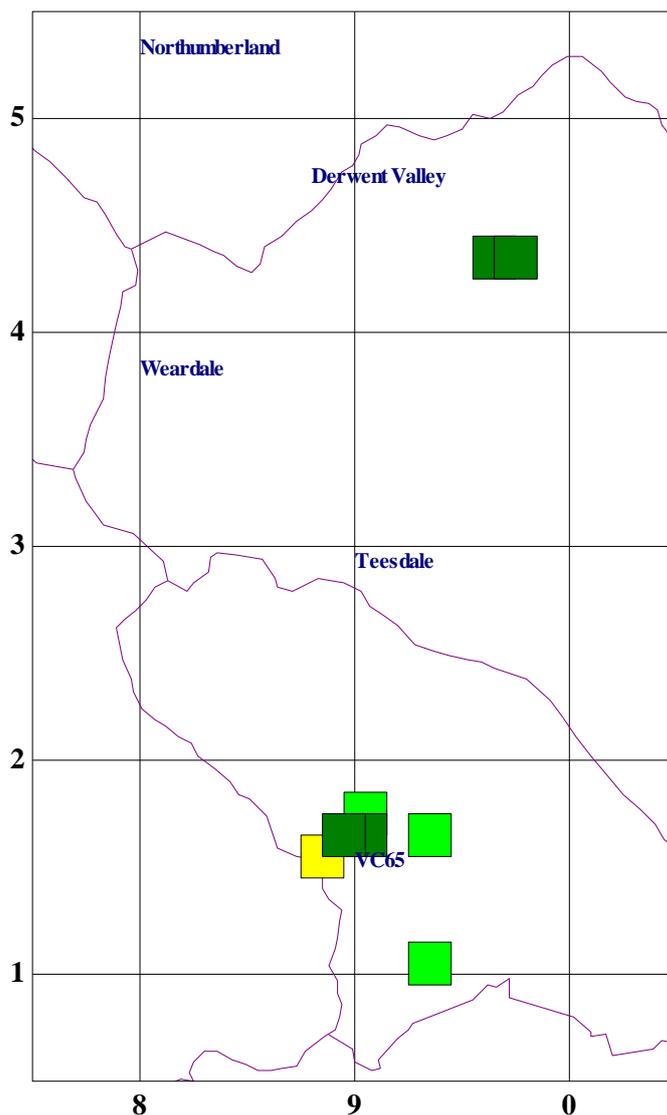
Andromeda polifolia

English Status Near Threatened
 County Status Rare

Rare, on Stanhope Common. It is more frequent in VC65.

21/08/1996	NY960430	Stanhope Common	JW Aitchison, KA Crowther, LJ Redgrave & P Dullaghan
1992	NY9743	Stanhope Common	D Horsfield, K Graham, M Webb

Andromeda polifolia



Antennaria dioica
Mountain Everlasting

English Status Vulnerable
 County Status Scarce

One of the large number of plants with a distribution on both the Permian and the Magnesian limestones.

1995	NY8145 3026	Widdybank exclosure	Stephen Willis
Jun-07	NY9027	Wynch Bridge	Moses, G.W.
08/08/97	NY829359	Coldberry End	McCutcheon, D.E.
21-Jun-05	NY903280	Winch Bridge	Wild Flower Society
01-Jul-06	NY8129	Widdybank Fell	Wood, D and Woods, M
25-Jun-11	NY8176 2971	Widdybank exclosure	Hogg, J.
	NY8168 2997		
20/08/11	NY816295	Widdybank exclosure	British Pteridological Society
	NY815303		
17-Jul-12	NZ3190 3288	Thrislington NNR	Tom Charman
01-Jun-06	NZ318328	Thrislington NNR	Gordon Young
20/11/08	NZ300329	The Carrs Quarry	Alison Hiles
Jul-98	NZ363443	Haswell, Pig Hill	Alec Coles

Aphanes australis **Slender Parsley Piert**

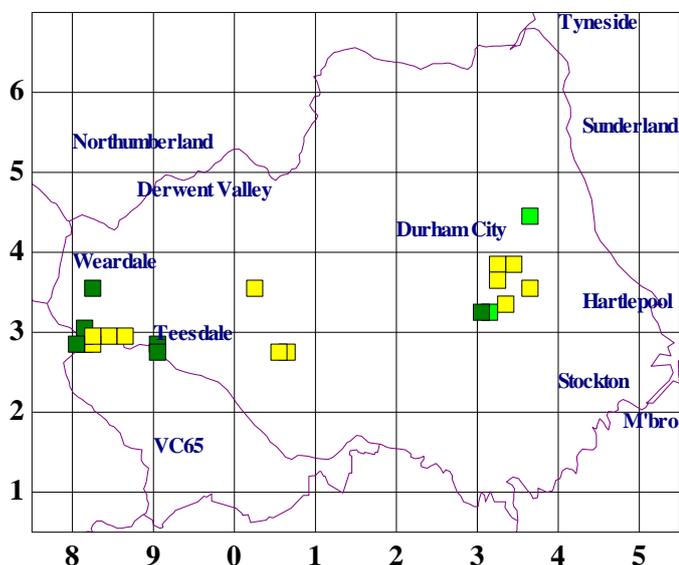
National Status None
 County Status Rare

05/06/08	NY9226	North of Park End Wood	John O'Reilly
12/08/06	NZ01U	Tetrad NZ01U	John O'Reilly
08-Jun-96	NZ05A	Tetrad NZ05A	Graham, Rev G.G.
29/05/95	NZ113251	Cockfield Fell	Graham, Rev G.G.
09/06/95	NZ133311	Edge Knoll Farm	Graham, Rev G.G.
Jul-99	NZ134251	Low Lands	Kay, G.M.

Apera spica-venti **Loose Silky-bent**

National Status Near Threatened
 County Status Extinct

Antennaria dioica



There are no recent records.

Apium inundatum Fool's Water Cress

National Status Least Concern
 English Status Vulnerable
 County Status Scarce, declining.

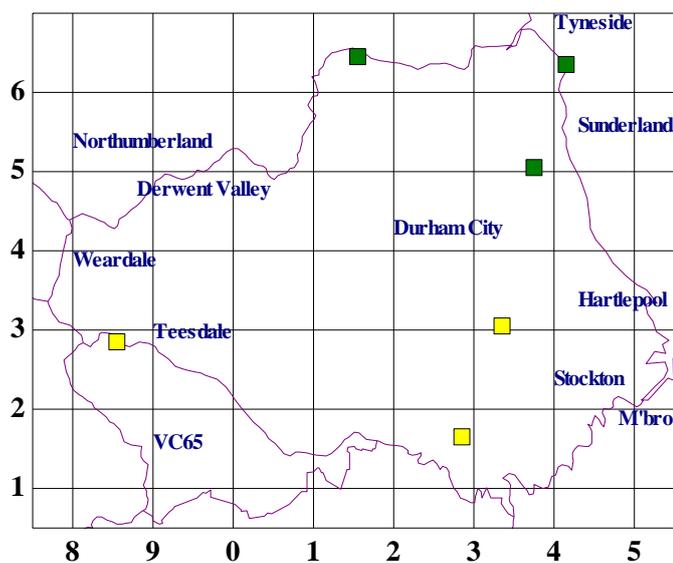
18/06/99	NZ156649	Ryton Willows, Gut Pond	A & G Young
11/08/09	NZ370505	Warden law LNR	Andy Mclay
06/09/07	NZ412634	Whitburn Point	John O'Reilly

Arabis hirsuta

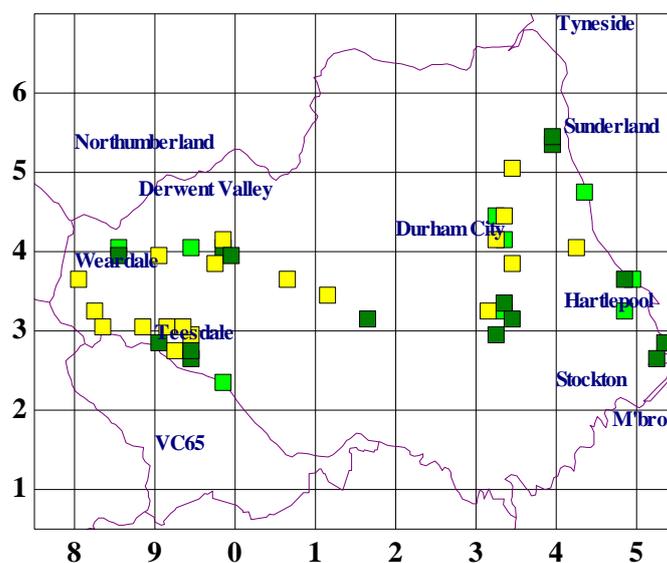
English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Apium inundatum



Arabis hirsuta

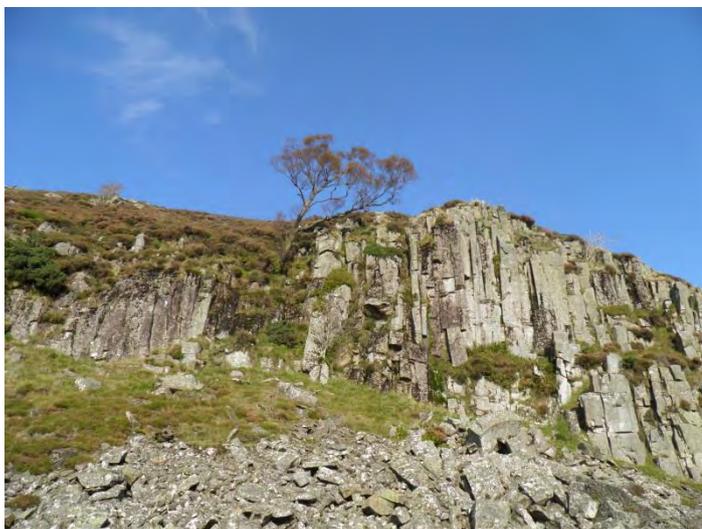


Arctostaphylos uva-ursi Bear Berry

National Status Least Concern
 English Status Near Threatened
 County Status Scarce, declining.

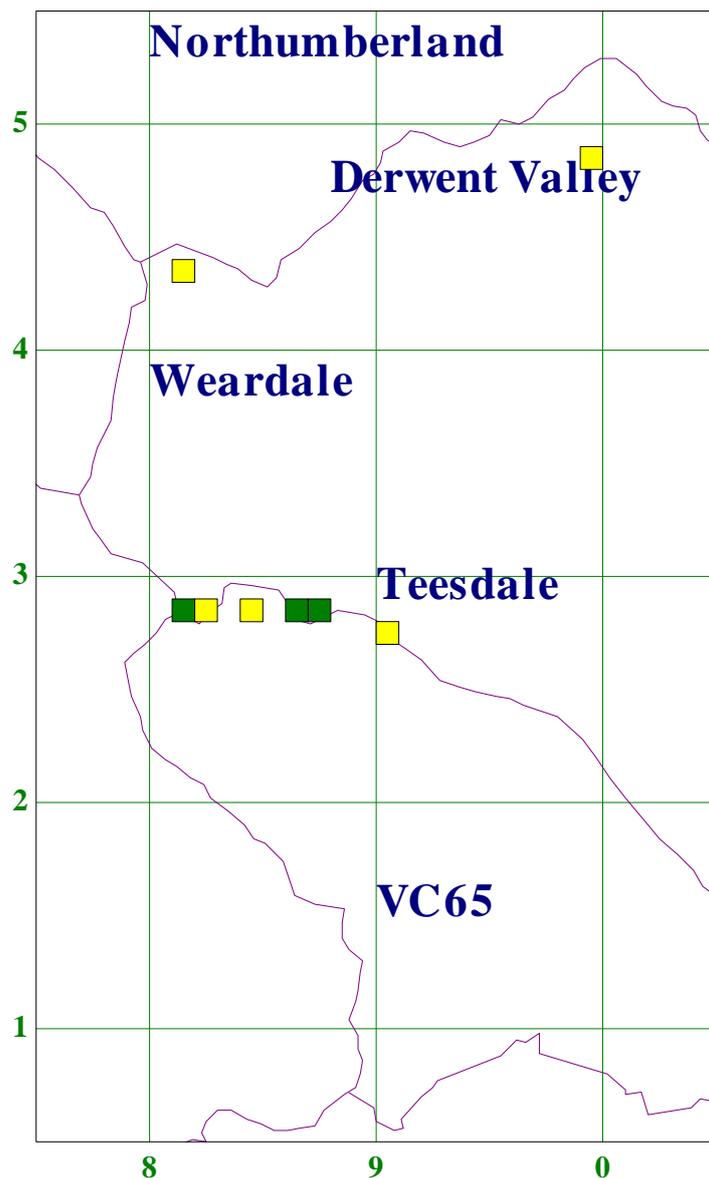
Mainly at Falcon Clints, the listed sites are patches of several square metres, visible from the Pennine Way footpath. There are probably more small sites on the crags.

2005	NY867282	Dineholm Scar	J L Durkin
08/01/04	NY8728	East Force Garth	Schober. M
28/09/11	NY82052813	Falcon Clints	J L Durkin
28/09/11	NY81972822	Falcon Clints, west	J L Durkin
Jul-06	NY871281	River Tees Banks, High Force Quarry	J L Durkin
28/01/10	NY8535	Noon Hill	Amy Christie
28/01/10	NY8334	Three Pikes	Amy Christie



Typical crag habitat (right of tree)

Arctostaphylos uva-ursi

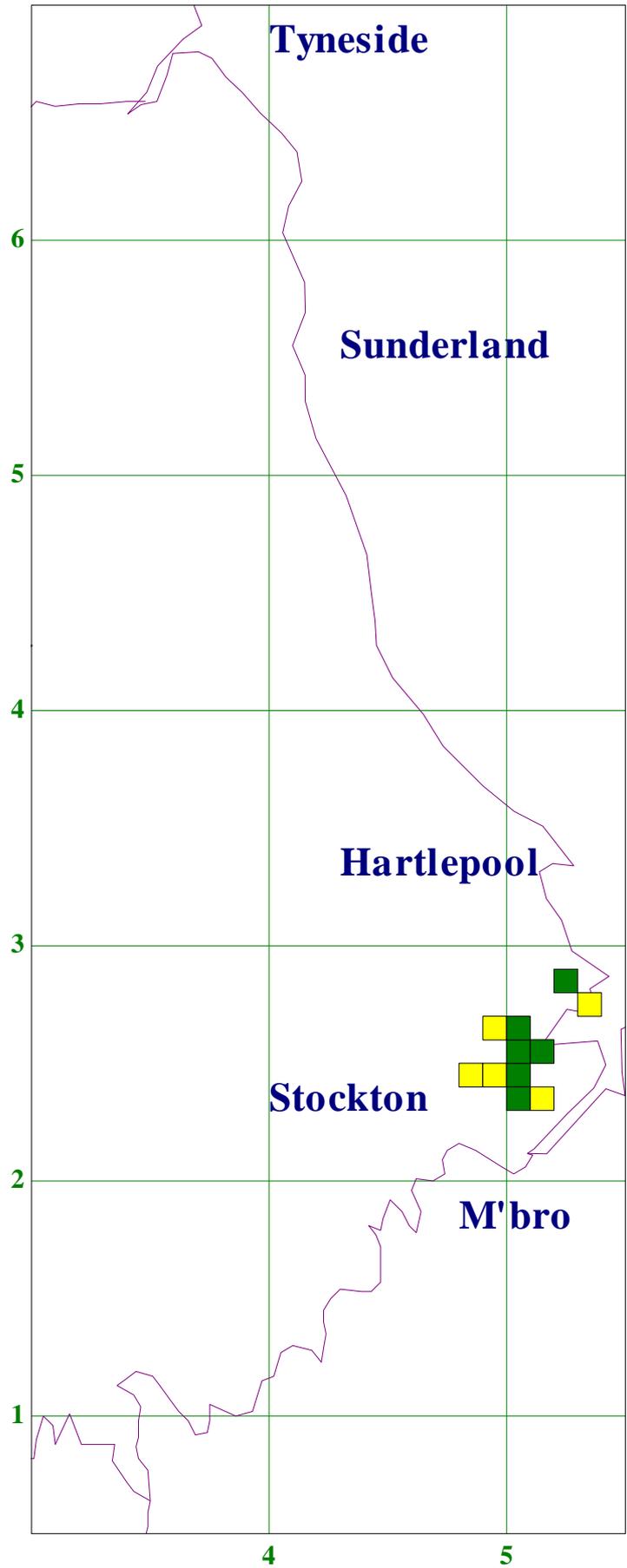


Artemisia maritima
Sea Wormwood

English Status Near Threatened
 County Status Scarce, declining.

24/05/00	NZ5024	Cowpen Marsh	A & G Young
2009	NZ5125	Greatham Creek	Ian Bond
	NZ5025		
2009	NZ5026	Greenabella Marsh	Ian Bond

Artemisia maritima



Asplenium marinum Sea Spleenwort

National Status None
 English Status None
 County Status Scarce, declining.

In three groups along the coast, where the magnesian limestone is particularly hard and “pock-marked”.

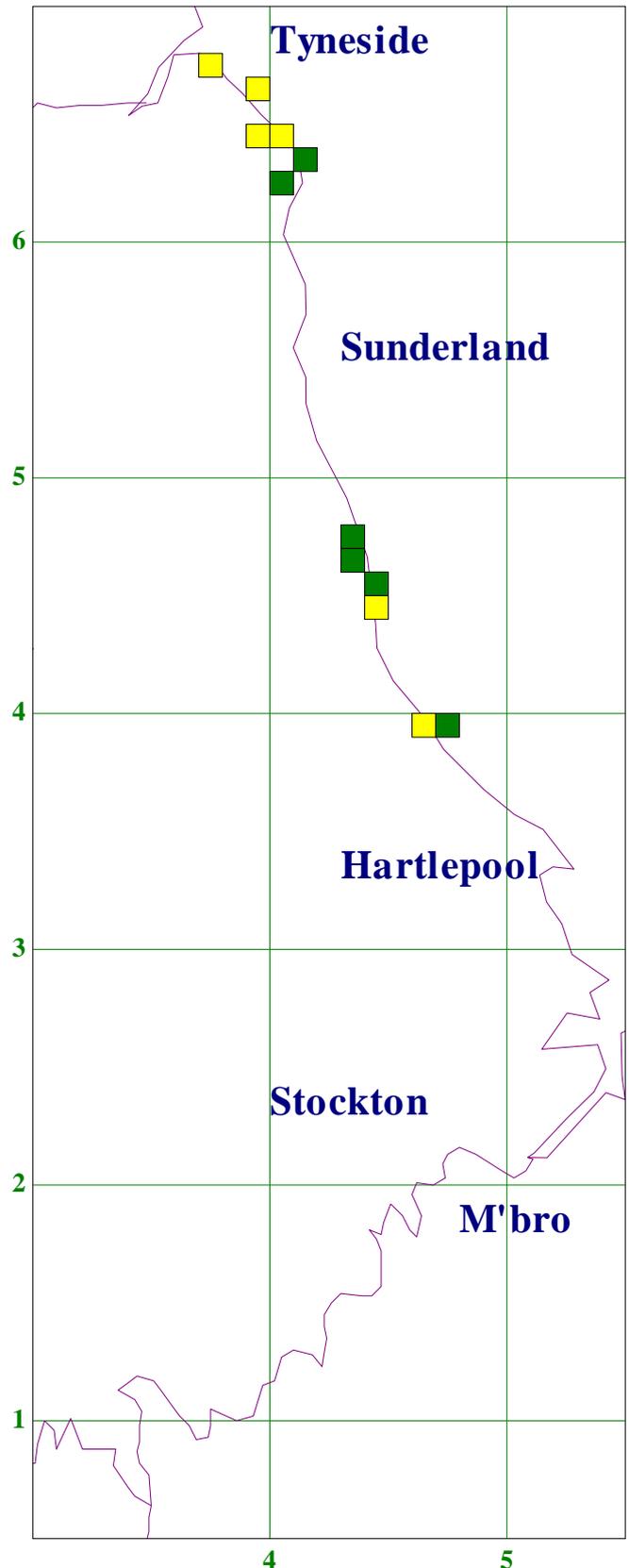
In South Tyneside, the main site is at Potter’s Hole and Byers Hole, with several smaller groups in bays south as far as the bird observatory. Sites further north may have been lost to coastal erosion.

The Chourdon Bay sites (1, 1, 5 and 40 plants, north to south in 2011) have all declined recently, due to competition with other plants, particularly ivy. The nearby Shippersea site has recently been reduced from 80 to 5 plants, by a rock fall. The site north of Noses Point, however, had 8 old plants and 32 very young ones in 2012.

The Blackhall sites are 3 groups in the bays north of the cave headland, with one or two plants in the roof of the caves, the latter not seen recently. The total here was 340 plants in 2012.

1997	NZ412633	Whitburn Coastal Park	J L Durkin
June 11	NZ410639	Byers Hole	N Butler
12/08/05	NZ411637	Potter's Hole	J L Durkin
07/07/12	NZ437479	N of Noses Point	J L Durkin
07/06/11	NZ43574757	Chourdon Bay	J L Durkin
	NZ4367047342		
04/06/11	NZ4394546823	Chourdon Bay	J L Durkin
20/04/11	NZ44374514	Shippersea Bay	J L Durkin
16/07/14	NZ4706839188	Blackhall Rocks	Ruth Jackson
	NZ4710739133		
	NZ4711939120		
	NZ4712339124		

Asplenium marinum



***Asplenium pachyrachis*
(*Asplenium csikii*)
Lobed Maidenhair Spleenwort**

National Status Near Threatened
County Status Rare

This fern has only recently been separated from *Asplenium trichomanes quadrivalens* in Britain. Most of the records are from castle walls in Wales. In Durham it is known from three sites in Teesdale. The Durham plants are less ornately lobed than the Welsh and Northumberland plants, "Var subequale". The photo shows the Barnard Castle plants.

21/06/05	NY90702765	Winch Bridge Craggs	Wild Flower Society
12/06/13	NZ05121642	Barnard Castle	J L Durkin
Jun-03	NZ05702002	Bluestone Grange cutting LWS	John Liam Durkin

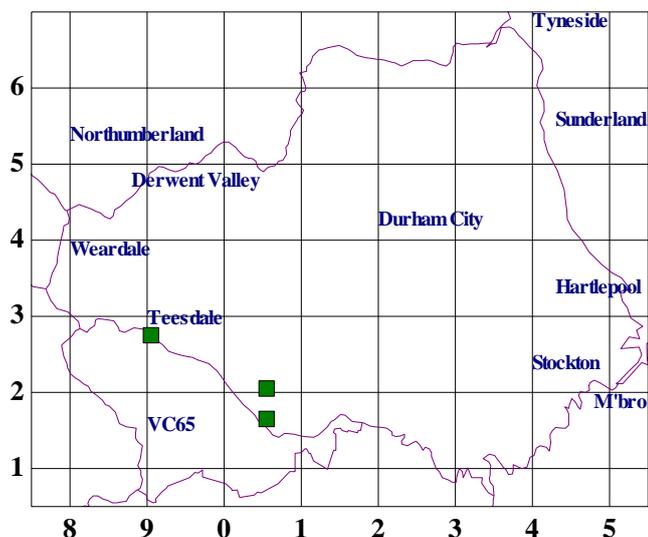
***Asplenium trichomanes trichomanes*
Delicate Maidenhair Spleenwort**

National Status None
County Status Scarce, declining

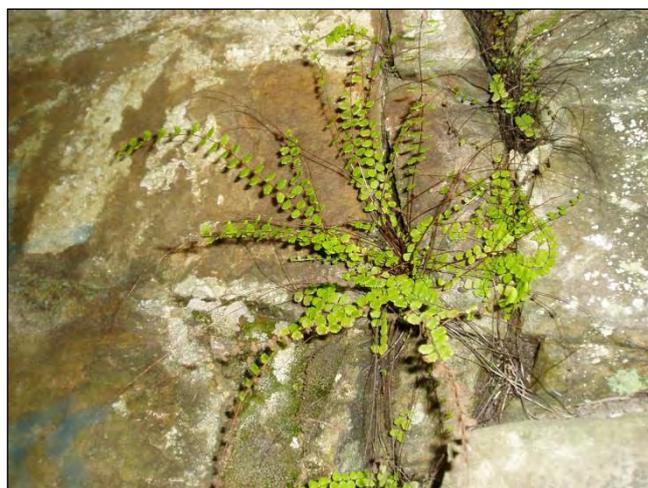
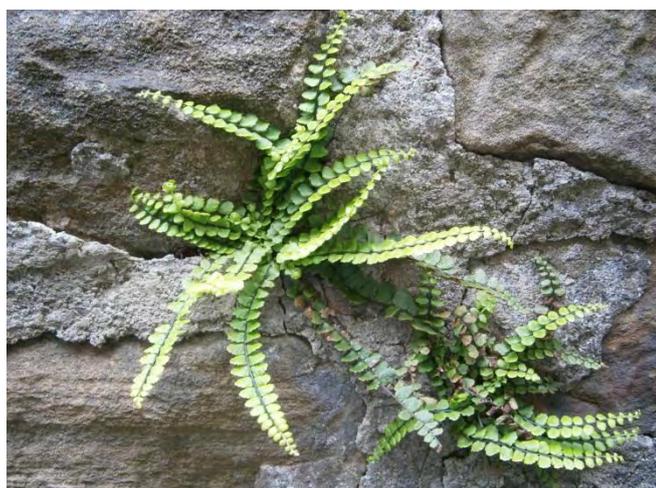
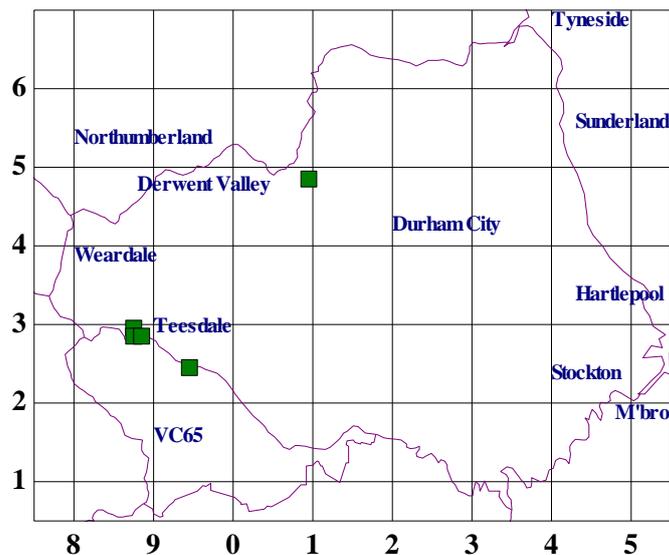
On whin sill exposures and hard sandstones, but absent from the higher altitude whin sill at Falcon Clints and Cronkley.

Jul-06	NY871291	Dufton Moss Quarry	J L Durkin
19/04/14	NZ097489	Hown's Gill Quarry	J L Durkin
27-Jun-08	NY948245	Middleton Quarry SSSI	J L Durkin
Aug-07	NY885285	River Tees banks, High Force	J L Durkin

Asplenium trichomanes* subsp. *pachyrachis



Asplenium trichomanes* subsp. *trichomanes



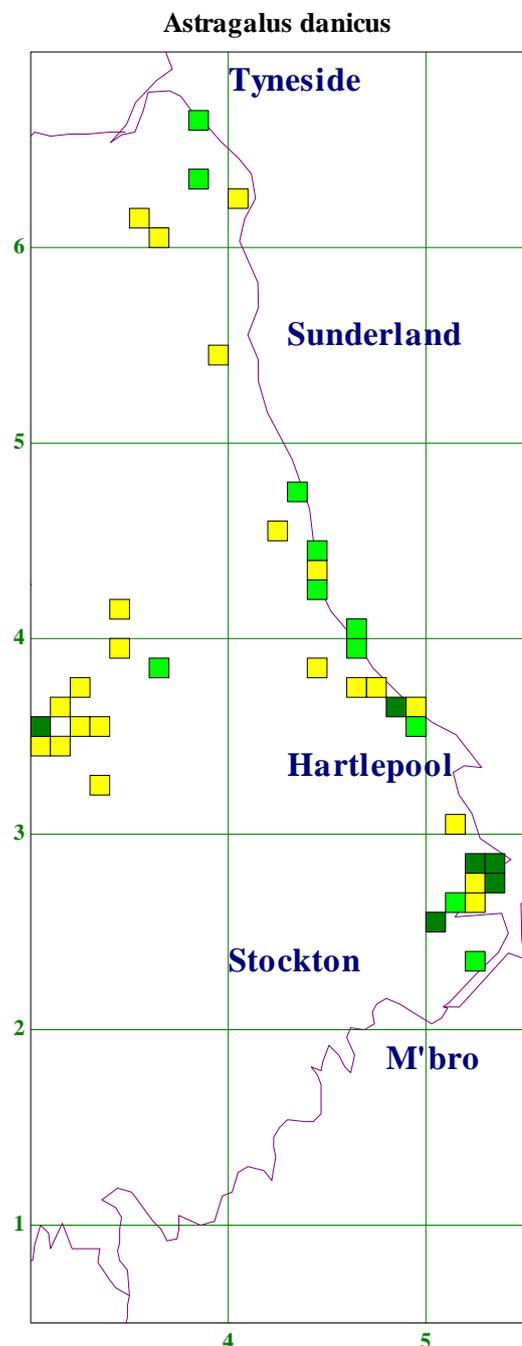
Astragalus danicus Purple Milk-vetch

National Status Endangered
County Status Scarce, declining

Found in two habitats, inland on the Magnesian Limestone, where it is usually sparse, and at the coast, both on the limestone and on sandy soils, where it is sometimes frequent. It is quite common at Seaton Dunes, particularly in short turf along the paths behind the dunes, so the sites here are indicative rather than comprehensive.

It has recently declined quite substantially at the inland sites, and slightly at the coastal sites, as can be seen from the map.

May-94	NZ5223	BASF plc	Chester P
24/06/96	NZ4640	Blackhall	Graham, Rev G.G.
29-Jul-90	NZ4639	Blue House Gill	Mitchell D
May-96	NZ3863	Cleadon Hills	Hedley, S.
1995	NZ388633	Cleadon Hills	Durkin, J.
20/06/96	NZ4347	Coast at Horden	GGG
08/06/08	NZ4836	Crimdon Dene	J O'Reilly
12/11/93	NZ517263	Greenabella Marsh	Lowe C.J.
13/06/98	NZ497359	Hart Warren	Dines Dr T.
08-Jul-01	NZ535285	North Gare	Lawrence I
07/08/11	NZ5369927439	Seaton Dunes	J Durkin
	NZ5371027464		
	NZ5371027733		
	NZ5368028029		
	NZ5366428094		
	NZ5367728207		
	NZ5372028398		
1999	NZ3638	The Bottoms SSSI	English Nature
15/06/91	NZ3866	Trow Point	Collins, P.
25/06/96	NZ4442	Warren House Gill	Graham, Rev G.G.



Atriplex longipes x prostrata
***Atriplex longipes* Long-Stalked Orache**

National Status Scarce
County Status Rare

Saltmarsh

The hybrid *Atriplex longipes x prostrata* was recorded at Greatham Creek on 24th September 1977 by Russell McAndrew, and determined by Taschereau. Similar plants were found at the Old River Tees, Stockton. *Atriplex longipes* was suspected to be present nearby, but was not found.

24-Sep-77	NZ4927	Greatham	McAndrew R T
-----------	--------	----------	--------------

Atriplex pedunculata
Annual Sea Purslane

National Status Critically Endangered
County Status Extinct

A single record, as a ships' ballast hill casual, "near Sunderland" WW Robson 1794. There is a specimen in the Hancock Museum.

There are no recent records.

Atriplex praecox **Early Orache**

English Status Critically Endangered
County Status Rare, discovered in 2014

14/09/2014	NZ464194	Portrack Marsh	F Sarker
------------	----------	----------------	----------

Bartsia alpina **Alpine Bartsia**

National Status Least Concern
 English Status Vulnerable
 County Status Scarce

In upper Teesdale, mainly on Widdybank, but also on road verges. There is a single, old record from the Derwent Valley. Most sites have few plants, and appear to be declining.

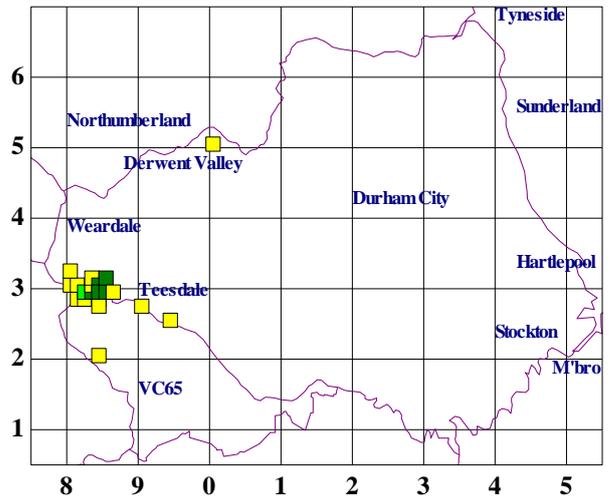
Conservation- Most of the sites are in the Upper Teesdale National Nature Reserve.

09/07/00	NY843299	Cetry Bank	M Atkinson
30-Jun-06	NY843298	Cetry Bank	Wood, D& Woods, M
Jun-04	NY8531	Langdon Beck	Moses, GW
2009	NY852298	Whey Sike	Natural England
02-Jul-93	NY8229	Widdybank Fell	Wood, D.C
06/06/11	NY84273028	Widdybank	J Richards
	NY841302		
2008	NY847304	Wildscar Sike	Jeremy Roberts
	NY837299		

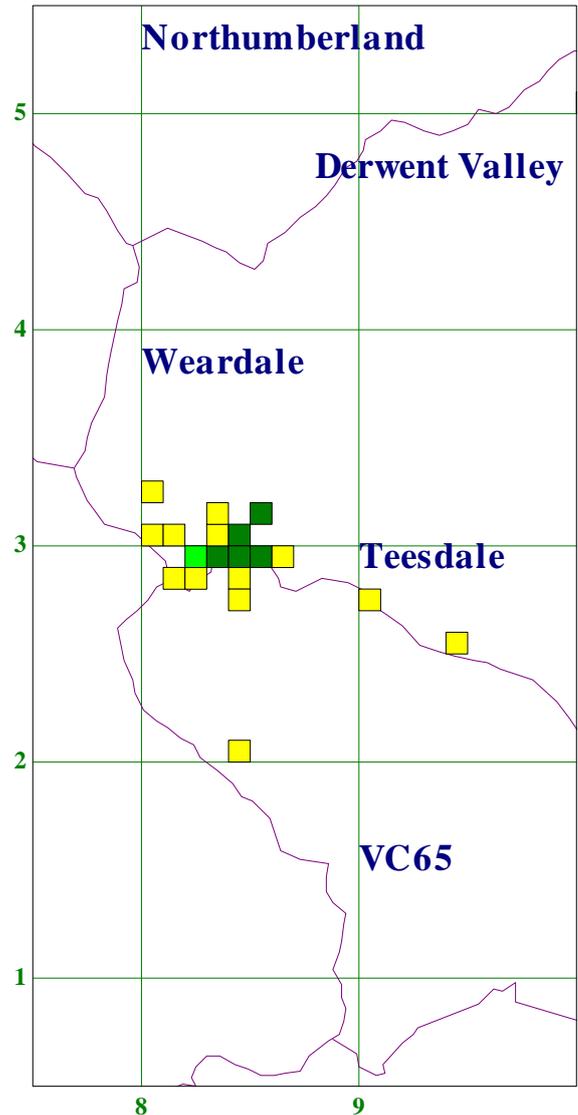


Photographed in County Durham by UKWildflowers.com

Bartsia alpina



Bartsia alpina



Betula nana Dwarf Birch

National Status Least Concern/Scarce
 English Status Critically Endangered
 County Status Rare

Teesdale 1772, Camden. Re-found, possibly at the same site in 1965 by T. C. Hutchinson. In 1979 J. Blakemore counted six plants.

Conservation- The site is in the Upper Teesdale Nature Reserve.

15/09/09	NY8202128805	Widdybank Fell	M Schober
----------	--------------	----------------	-----------

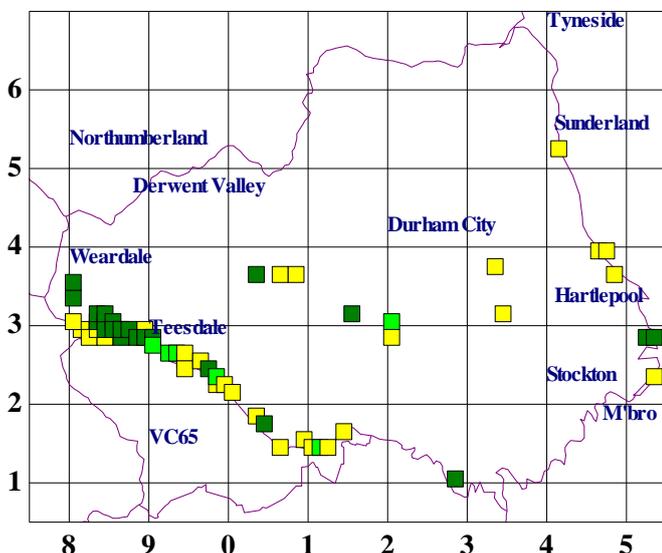
Blysmus compressus Flat Sedge

National Status Vulnerable
 County Status Rare

Found mainly in Teesdale, but also on some coastal and magnesian limestone sites.

It has declined quite considerably, especially from the east of the county.

Blysmus compressus



21/06/96	NZ209303	Bishop Auckland	GGG
28/06/08	NY90742842 NY90742843 NY90752843 NY90752844 NY90752845 NY90752846 NY90752847 NY90762843 NY90762844 NY90762845 NY90762846 NY90762847 NY90772846 NY90772847	Bowlees Quarry	J & C O'Reilly
30/06/06	NY8429	Cetry Bank	Wood, D & Woods, M
28/06/08	NY86132951 NY86132952 NY86132953 NY86142950 NY86142951 NY86152947 NY86152948 NY86152949 NY86162945 NY86162946 NY86162947 NY86172943 NY86172944 NY86172945 NY86182942 NY86192940 NY86202939 NY86202940 NY86212939 NY86212940	Cronkley Bridge	J & C O'Reilly
03/08/08	NY854300 NY854301 NY854302 NY855298 NY855299 NY855300 NY856297 NY857297 NY858296 NY859296	Harwood Beck to Saur Hill Bridge	M Rogers, C Irving, L Robinson
17-Jul-93	NY9326	Dent Bank	GGG

1992	NY983237	Eggesburn Shingle Bank CWS 6.19	Valerie Standen
11-Sep-06	NZ0417	Flatts Wood CWS 6.36	DTNFC
01/08/08	NZ0336	Frosterley	Andy Mclay
28/06/08	NY861295	Haugh Hill	J & C O'Reilly
07/08/10	NY860296	Haugh Hill	A McLay
06/06/95	NZ281109	Hell's Kettles	Tom Spowart
04-Jul-15	NZ280108	Hell's Kettles	F Sarker
30/06/06	NY8828	High Force	Wood, D & Woods, M
19-Jun-09	NY85423033	Hunter's Close Bank	John O'Reilly
	NY8528430484		
16/06/99	NY904278	Low Force	Sykes, Mrs M.
30-Jun-09	NY84773101	Meadow by beck S of Langdon Beck Ptn	John O'Reilly
07/08/09	NY853305	Opposite Hunter's Close Bank	John O'Reilly
	NY854304		
28/06/08	NY862294	R Tees, Cronkley Bridge	J & C O'Reilly
20/06/07	NY97572462	R Tees bank near Ornella	A & G Young
30/06/09	NY84673116	Beck bank in meadow SW of Langdon Beck Ptn	John O'Reilly
04/07/09	NY8637629114	Riverbank south and west of Wat Garth	John O'Reilly
	NY8629029296		
	NY8629029310		
	NY8639829004		
30/06/09	NY84883107	Beck bank S of Langdon Beck Ptn	John O'Reilly
12/08/09	NY839309	Sand Sike	John O'Reilly
	NY840309		
	NY841309		
04/07/09	NY8418830968	Sand Sike	John O'Reilly
	NY8444430992		
	NY8434630934		
	NY8429930918		
29/07/13	NZ5308228536	Seaton Common	Martin Allen

18/08/09	NY8095633874	South of Hill End	John O'Reilly
29-Jul-08	NY897282	Tees bank	John O'Reilly
30/06/06	NY8530	Sayer Hill	Wood, D & Woods, M
19/06/09	NY85592985	Wheysike House	J O'Reilly
07-Jul-92	NZ110146	Whorlton	Peacock, H.
28/06/08	NY840300	Widdybank Farm	J & C O'Reilly
04/07/14	NY83263107	Peghorn Lodge T junction	BSBI trip
04/07/14	NY83263108	Peghorn Lodge T junction	BSBI trip
28/06/08	NY842300	Widdybank Pasture	J & C O'Reilly
03-Jul-08	NY84773006 NY84243001 NY84223002 NY84213002 NY84183005 NY84173003 NY84163005 NY84153006 NY84153005 NY84143008 NY84143006 NY84133007 NY84133006 NY84113007 NY84113006 NY84103007 NY84103006 NY84093007 NY84093006 NY84083006	Widdybank Pasture	J.O'Reilly, J Quinonez
31/08/15	NY808353	Ashgill Head mine	Richard Friend and Lizzie Maddison

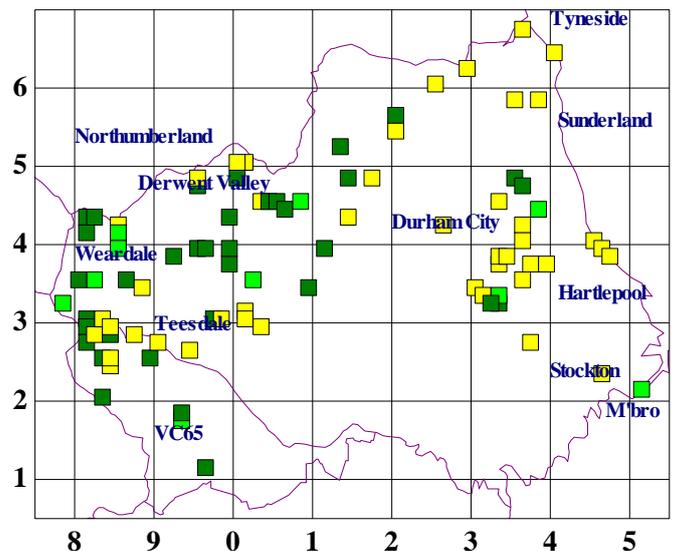
Botrychium lunaria**Moonwort**

English Status
County Status

Vulnerable
Occasional

1995	NY7832	Backside Fell	G G Graham
Jun-10	NY8168 2997	Cow Green	J L Durkin
	NY815306		
09/07/00	NY817298	Widdybank Exclosure	M Atkinson
31-Aug- 05	NY817296	Widdybank Exclosure	A & G Young
2001	NY817433	A689, Killhope, North Verge	K Bowie, K Cunningham, Frank Daly
2001	NY8180 4335	Killhope	K Bowey, K Cunningham, M Street
01-Jul-06	NY818298	Widdybank Fell	Wood, David, Woods, Mark
2001	NY818413	A689, Killhope, South Verge	K Bowie, K Cunningham, Frank Daly.
2001	NY823433	A689, Near Carriers Hill, North Verge	K Bowie, K Cunningham, Frank Daly
08-Aug- 97	NY827357	Coldberry End	D E McCutcheon
03-Jun- 99	NY8540	Burtreeford	J L Durkin
	NY859410		
17-Jun- 11	NY86294 35109	Chapel Fell	Lloyd, M
15-May- 11	NY920387	Heights Quarry	Andy Mclay
2003	NY9501 4732	Hunstanworth	K Bowey, K Cunningham, F Daly
15-Jul-03	NY950473	Ramshaw Corner	K Bowey, K Cunningham, F Daly
15/04/11	NY954394	Rookhope	Andy Mclay
03/05/11	NY9639	Bewdley Plain	Andy Mclay
22/08/08	NY978298	Great Egges Hope	Andy Mclay
31/05/10	NY998375	Thimbleby Hill	Andy Mclay
10/06/11	NY996436	Wilkinson's Cut	Andy Mclay
25/06/13	NY99323 39802	Stanhope, Ashes Quarry	J Angel, J Summerson, A Horsley, L Maddison
12-Jul-10	NZ0048	Harehope	Andy Mclay

		Burn	
1994	NZ024357	Bollihope Burn	P.S. Graham
31-May- 11	NZ0445	Waskerley Way	Andy Mclay
25-Jun- 05	NZ055452	Waskerley Way	A & G Young
	NZ064447		
Feb-94	NZ0845	Stuartfield Moor CWS	Valerie Standen
22-May- 11	NZ095346	Knitsley Fell: Howlea Lane	Andy Mclay
27-Jun- 11	NZ115399	Inkerman Farm	Andy Mclay
2007	NZ1352	Brooms	DH Ecological Consultancy
2002	NZ143481	Hurbuck Triangle Cws	Stobbs, J. et al.
2002	NZ2056	Causey Bank Mires Sssi	Hedley, S.
19-Jun- 08	NZ331326	Bishop Middleham Quarry	Ruth Jackson
13-Jun- 98	NZ332327	Bishop Middleham Quarry	Christopher Lowe
29-May- 11	NZ33158 32741	Bishop Middleham Quarry	J L Durkin
	NZ33172 32750		
12-Jul-01	NZ358484	Eppleton Railway Lws	D Mitchell and P Pickles
	NZ3676 4722		
19-May- 95	NZ515215	Hargreaves Quarry	Christopher Lowe

Botrychium lunaria

Brassica oleracea oleracea
Wild Cabbage

National Status Scarce
 County Status Rare casual

No recent records.
 The former Wearmouth colony no longer exists, but the VC67 site in similar coastal cliff habitat at Tynemouth is still there.

Briza media

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Bromus hordeaceus thominei
Coastal Soft-Brome

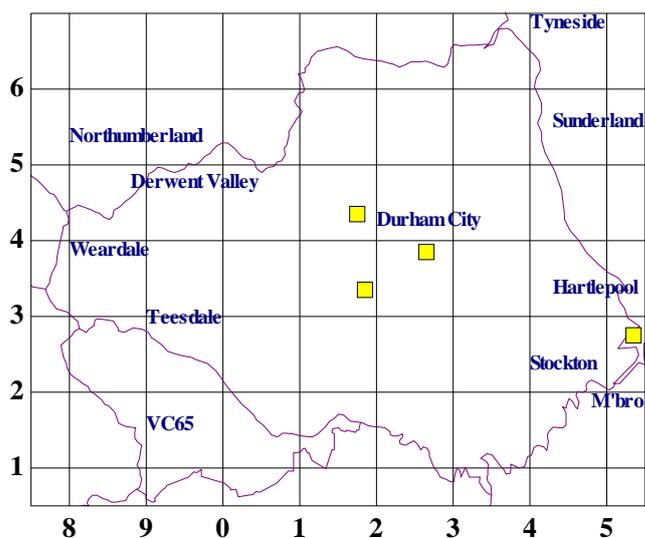
National Status Scarce
 County Status Rare

Rare on fixed sand dunes at Teesmouth.

Found in 1970 by Gordon Graham, on fixed dunes at the North Gare, determined by P M Smith.

28-Jun-79	NZ173431	Cornsay Colliery	GGG
27-Jun-79	NZ187335	Helmington Hall hayfield, Hunwick	GGG
13-Jul-79	NZ263381	River Browney, Sunderland Bridge	GGG
09-Jun-70	NZ535278	North Gare	GGG

Bromus hordeaceus* subsp. *thominei



***Bromus commutatus* Meadow Brome**

National Status None
 County Status Rare

29/09/03	NZ5025	Salholme	F Sarker
2000	NZ334151	Stockton and Darlington Railway Track	David Green
03 Sep 2003	NZ3350	Houghton le Spring	Bullen Consultants

Bupleurum tenuissimum

Slender Hare's Ear

National Status Vulnerable
 County Status Extinct

No recent records

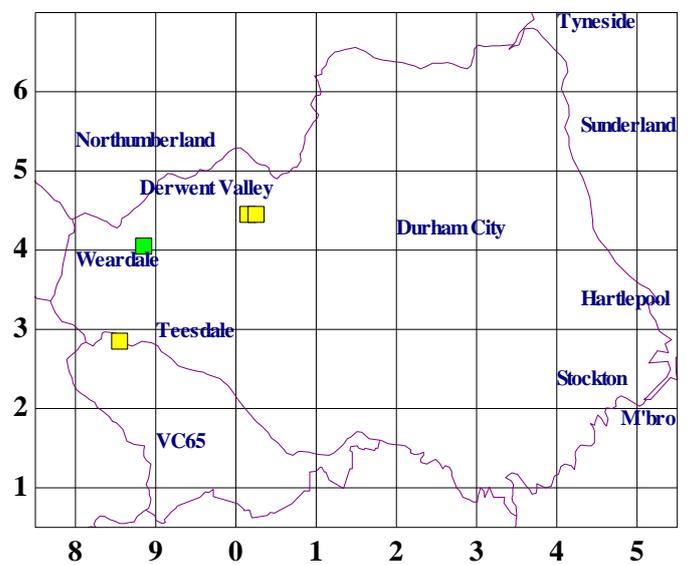
Callitriche hermaphrodita Autumnal Water-starwort

National Status None
 County Status Scarce, declining.

Starworts are not yet very well-recorded in the county.

08/07/97	NY8840	Middlehope Moor	McCutcheon, D.E.
1946	NZ0244	Waskerley Reservoir	Morton, Dr J.K.

Callitriche hermaphrodita



***Calluna vulgaris* Heather**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

***Cardamine impatiens*
Narrow Leaved Bitter Cress**

National Status Near Threatened
County Status Extinct

No recent records.

***Calystegia soldanella*
Sea Bindweed**

National Status None
English Status Vulnerable
County Status Rare

***Carduus tenuiflorus*
Slender Thistle**

National Status None
County Status Rare

18 Aug 1996	NZ383666	Trow Point	McCutcheon DE
08 Jun 2008	NZ43Y	Crimdon Dene	John O'Reilly

28/07/93	NZ3964	Marsden Hall Quarry	Ann & Gordon Young
1991	NZ15	Derwent Walk	Boyce, Mr R.
05/06/04	NZ347138	The Whinnies LNR	DTNFC

***Campanula patula* Spreading Bellflower**

National Status Endangered
County Status Extinct.

There are no recent records.

***Campanula rotundifolia* Harebell**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Carex aquatilis

Water Sedge

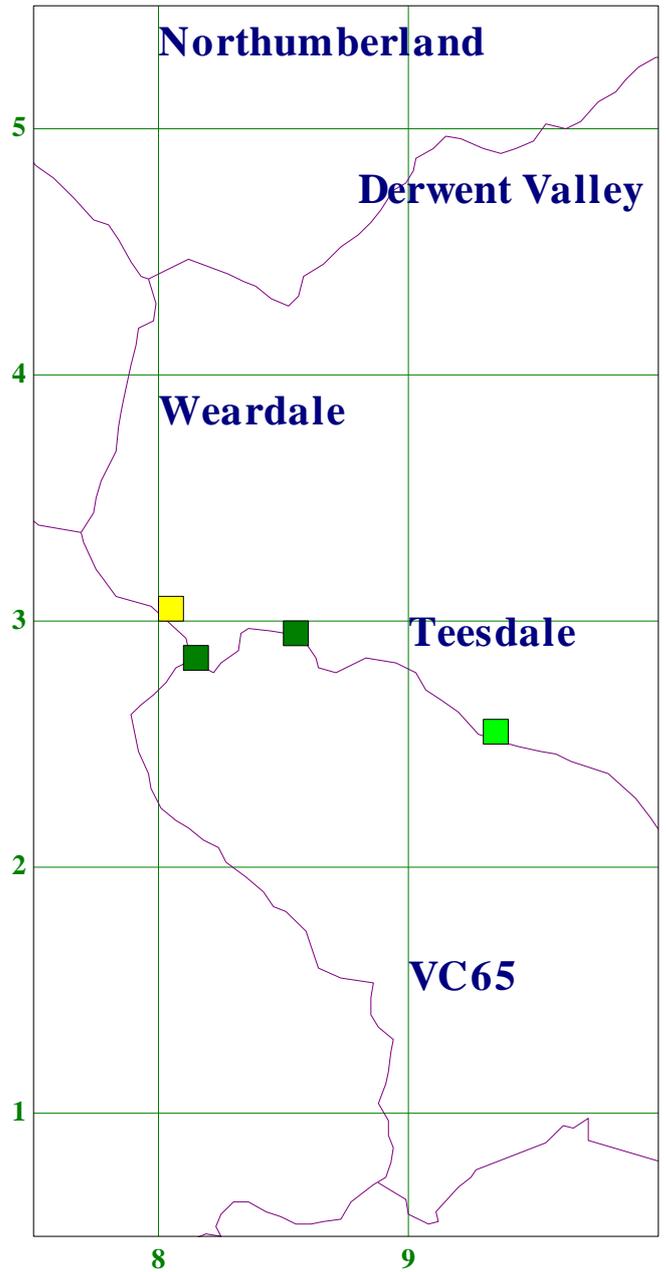
National Status A "Scottish" species
County Status Rare

Teesdale has a large proportion of the English distribution of this sedge.

Possibly still under-recorded along the upper Tees.

Aug-91	NY937254	Breckholme S Bank of Tees, CWS 6.04	Valerie Standen
01/07/06	NY818283	River Tees	Wood, D& Woods, M
23/06/09	NY85649 29718	Swamp NW of Wheysike House	John O'Reilly

Carex aquatilis

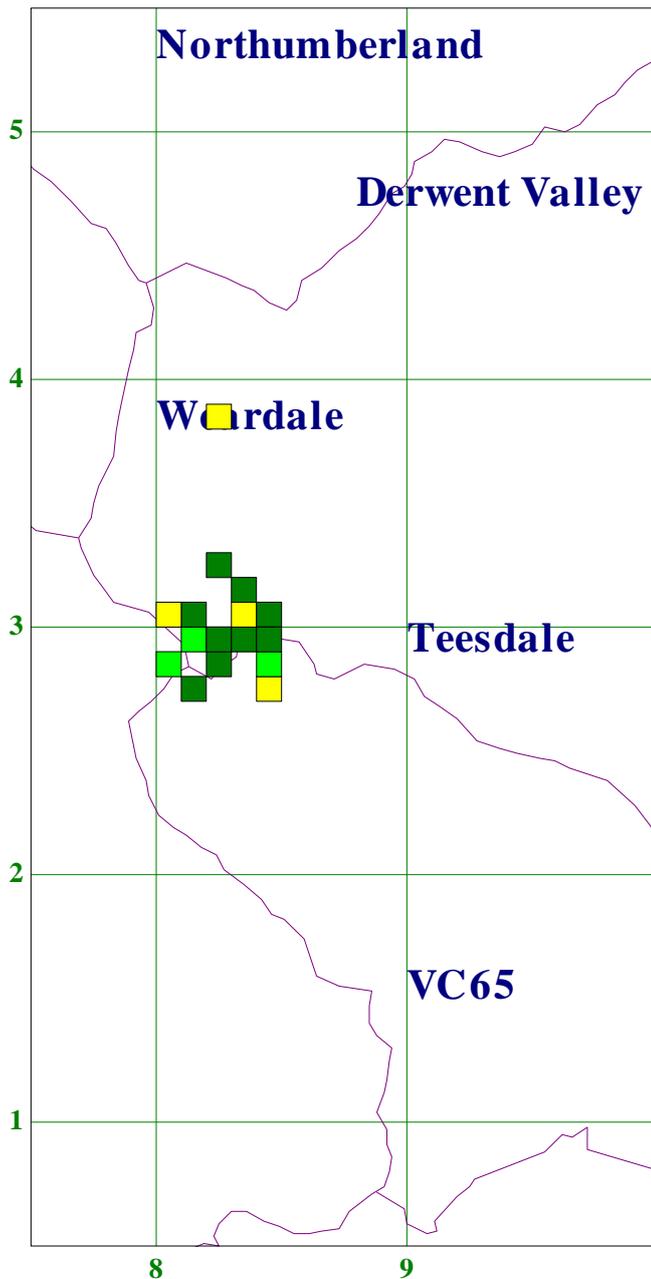


Carex capillaris**Hair Sedge**

National Status Scarce
 County Status Rare

In base-rich flushes and on damp sugar-limestone at Widdybank and nearby in Upper Teesdale.

Conservation- The sites are all in the Upper Teesdale Nature Reserve and adjacent SSSIs.

Carex capillaris

1995	NY813303	Widdybank	Stephen Willis
	NY81453026		
	NY81762985		
	NY81722973		
31/08/05	NY815303	Cow Green	A & G Young
Jun-90	NY818294	Cow Green	David, RW
2009	NY848296	Cetry Bank	Natural England
11/06/06	NY819278	Merrygill Moss	Robson, Craig
2009	NY823326	Forest-in-Teesdale	Natural England
2009	NY835318	Harwood Beck	Natural England
2008	NY837299	Wildscar Sike	Jeremy Roberts
04-Jul-09	NY8436130922	Sand Sike	John O'Reilly
	NY8434730936		
	NY8434130938		
	NY8435430924		
	NY8432030926		
	NY8423130938		
	NY8423330938		
NY8440930948			
08/07/09	NY8433830938	Sand Sike	John O'Reilly
2009	NY844308	Widdybank Pasture	Natural England
15/09/09	NY824295	Above Wild Scar	M Schober
02/07/06	NY8328	Cronkley Fell	J & C O'Reilly
24/06/96	NY8428	Cronkley Fell	Jones, V

Carex diandra Lesser Tussock Sedge

National Status Near Threatened
 County Status Extinct

Recorded once at Eastgate in Weardale by Heslop-Harrison in 1939. This is possibly a doubtful record.
 The only current record is at a planted site.

2000	NZ3723	Stillington Forest Park	Cleveland Naturalists Field Club
------	--------	-------------------------	----------------------------------

Carex echinata

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Carex ericetorum Rare Spring Sedge

National Status Vulnerable
 County Status Rare

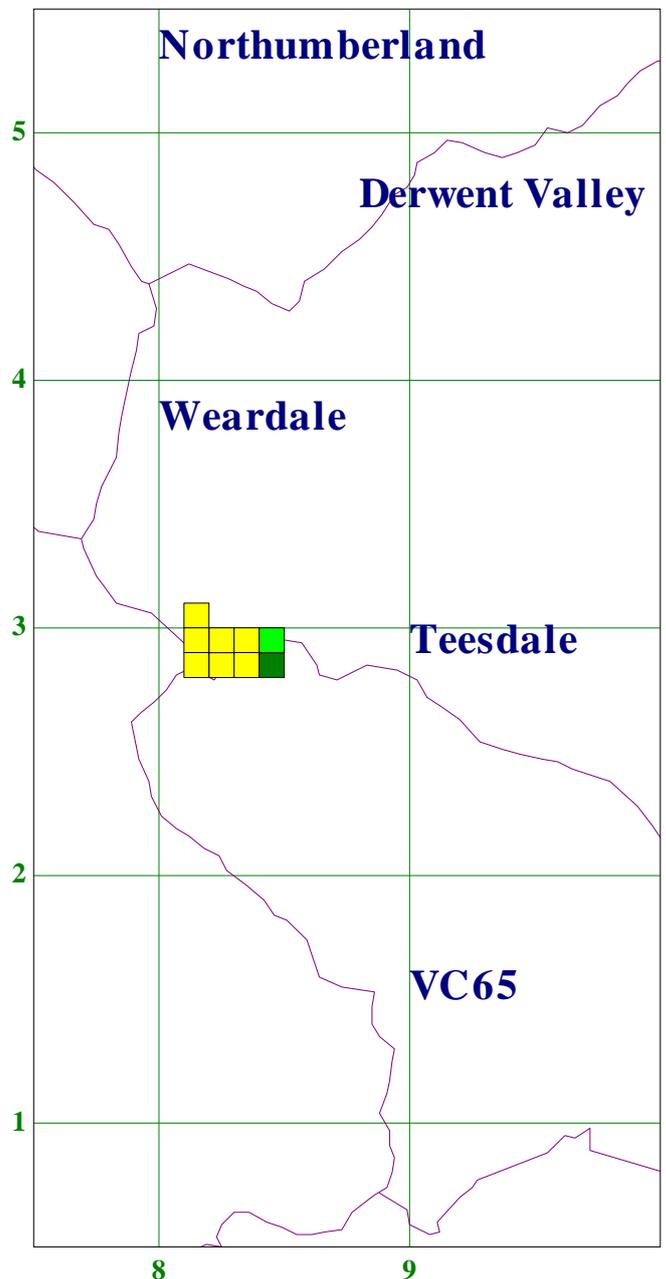
In sugar limestone at Widdybank and Cronkley.
 This is the northernmost British location for this species.

Reported at Thrislington on the magnesian limestone by Professor J W H Harrison in 1954, but this is a doubtful record.

Conservation- All of the sites are in the Upper Teesdale National Nature Reserve.

1995	NZ813303	Widdybank Fell	Stephen Willis
	NY8176 2985		
23/06/96	NY8429	Cetry Bank	Jones, Vincent
18/06/06	NY848283	Cronkley Fell	C N F Club
02/06/81	NY837282	White Well	Gagg, A.N.

Carex ericetorum



Carex lasiocarpa

English Status Vulnerable
 County Status Extinct

Recorded from Tanfield in Winch, but there are no subsequent records.

Carex magellanica Tall Bog Sedge

National Status Least Concern/Scarce
 English Status Near Threatened
 County Status Rare

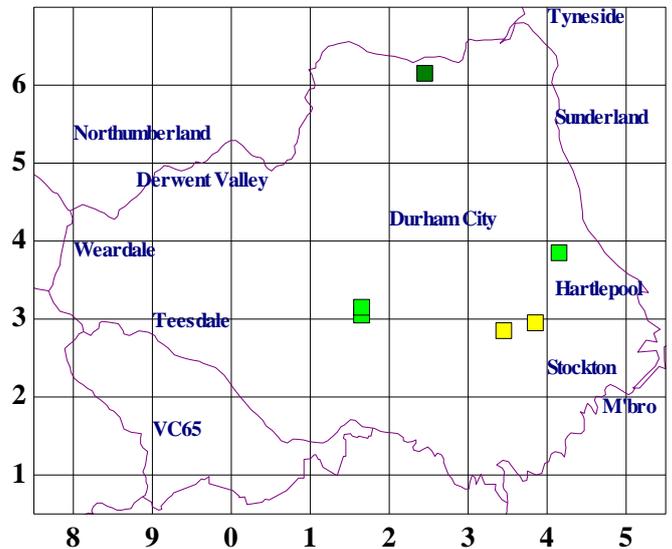
There is a single record from Cronkley, VC65.

08-May-06	NY813279	Cronkley Fell	Robson, Craig
-----------	----------	---------------	---------------

Carex pseudocyperus Cyperus Sedge

National Status None
 County Status Scarce, declining.

Carex pseudocyperus



14-Jul-01	NZ240613	Norwood Pond (ptd)	J L Durkin
Jul-95	NZ419380	Castle Eden	Sutcliffe, M.
1977	NZ3428	Hardwick Hall Country Park	Wheeler Dr B.D.
02/11/95	NZ1631	Witton-le-Wear SSSI	Graham, Mrs P.S.

Carex pulicaris

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Carex vaginata

Sheathed Sedge

National Status Scarce
County Status Rare

There is a single record from Mickle Fell, which is in VC65. Probably present elsewhere at high altitudes, perhaps in VC66.

Conservation

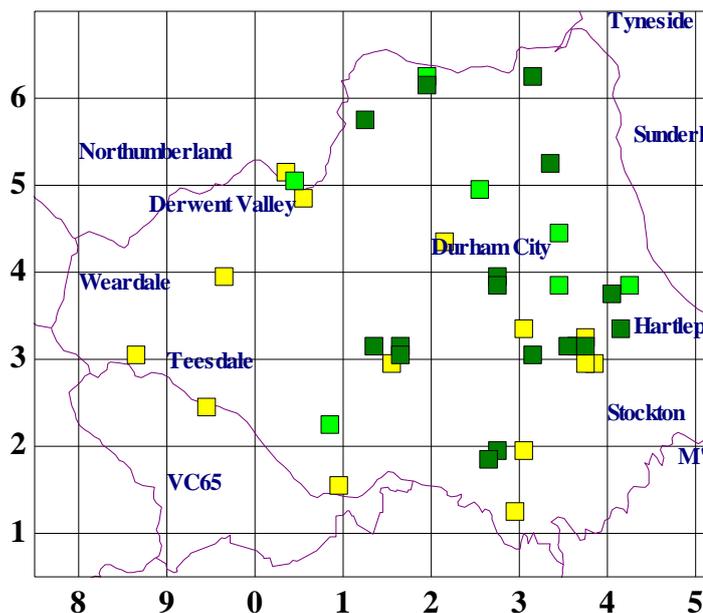
The site is in the Upper Teesdale National Nature Reserve.

Jul-05	NY8224	Upper Teesdale NNR, Mickle Fell top	Rod Corner, Jeremy Roberts, Linda Robinson
--------	--------	-------------------------------------	--

Carex vesicaria

English Status Vulnerable
County Status Occasional

Carex vesicaria



02-Jul-09	NZ334529	Herrington CP	J L Durkin
Sep-90	NZ0450	Muggleswick Marsh CWS	Valerie Standen
20-Jul-06	NZ3176 3055	Mainsforth, large pond with island and marsh	John Durkin and Julie Stobbs
20-Jun-06	NZ3587 3167	Fishburn Colliery ponds	J Durkin and Julie Stobbs
18-Jun-11	NZ1961	Axwell Park	J L Durkin
07-Jun-94	NZ1962	Axwell Park	Bowey, K.
13-Jun-98	NZ342384	Cassop Vale	J L Durkin
16-Jul-98	NZ254490	South Burn	J L Durkin
02-Nov-95	NZ165314	Low Barns Nature Reserve	Graham P.S.
01-Aug-07	NZ167314	Low Barns Dragonfly Pond	Andy Mclay
22-Jun-95	NZ368313	Mill House	G G Graham
03-May-97	NZ4238	Castle Eden	McCutcheon, D.E.
Jun-95	NZ3439 4410	Horseshoe Pond	Sutcliffe, M.
Sep-93	NZ084226	Low Wood House Marsh CWS	Wharton, S.
14-Jun-13	NZ3199 6253	Monkton Fell pond	J L Durkin
21-Jun-11	NZ2739	Butterby Oxbow SSSI	J L Durkin
	NZ2738		
19-Sep-07	NZ4037	Wellfield Brick Ponds 4 & 5	Clare O'Reilly
12-Apr-11	NZ137315	Garth Wood	Andy Mclay
10-Sep-09	NZ127571	Chopwell Wood	Andy Mclay
2010	NZ278195	Coatham Grange Marsh	Wildflower Ark
2010	NZ267189	Burtree Gate Marsh	Wildflower Ark
Apr-15	NZ414334	Pike Whin Bog SSSI	Tom Charman
Jul-99	NZ414333	Pike Whin Moor	Alec Coles

Carlina vulgaris

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Mostly on the magnesian limestone, with some records on the carboniferous limestone in the dales.

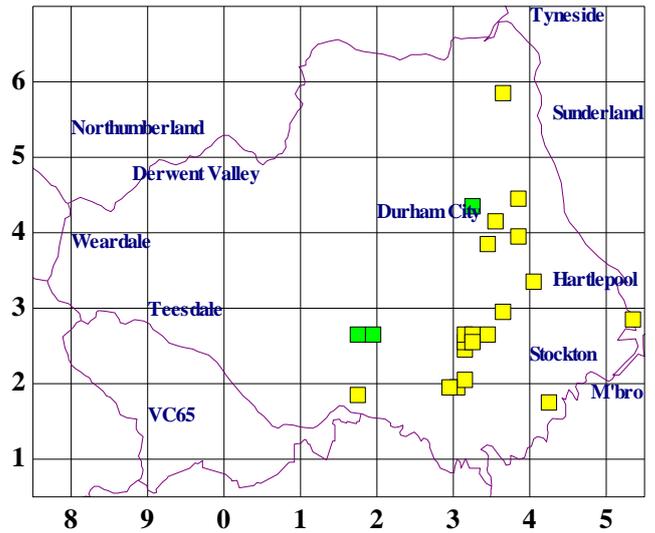
Sites are too many to list.

***Catabrosa aquatica* Whorl-grass**

English Status Vulnerable
 County Status Scarce

Scarce, mostly in the River Skerne catchment.

Catabrosa aquatica



13/06/98	NZ327435	Hallgarth	Alec Coles
1989	NZ4033	Hurworth Burn Reservoir	Graham G.G.
1986	NZ3126	Railway Stell West SSSI	Natural England
	NZ3125		
	NZ3124		
25/06/08	NZ3024	River Skerne at Preston-le-Skerne	John Liam Durkin
05/09/95	NZ198262	River Wear	Graham, P.S.
24-Jul-06	NZ01N	Barnard Castle	John & Clare O'Reilly
1995	NZ1726	West Auckland	Graham G.G.

***Centaureum pulchellum* Lesser Centaury**

National Status None
 County Status Scarce, declining.

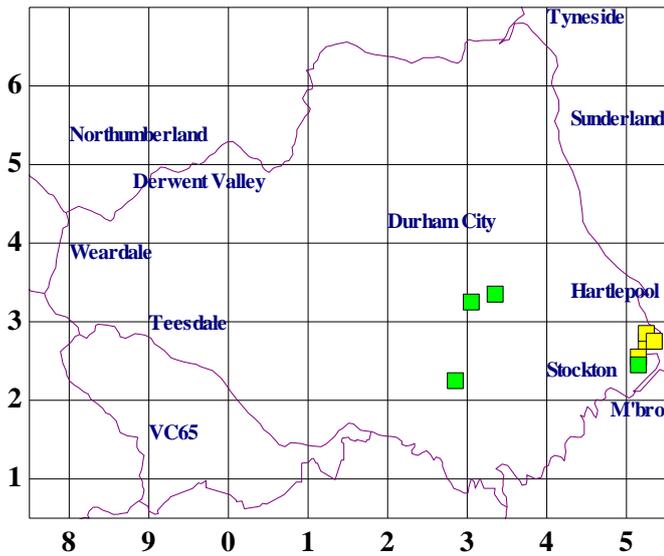
On the inland magnesian limestone and at the coast.

***Cephalanthera damasionium* White Helleborine**

National Status Vulnerable
 County Status Extinct hortal

There are no recent records.

Centaureum pulchellum



***Cephalanthera longifolia* Narrow-leaved Helleborine**

National Status Vulnerable
 County Status Extinct

Formerly recorded in most of the magnesian limestone coastal denes.

There are no recent records.

Jul-91	NZ281220	Aycliffe Quarry CWS 7.12	V Standen
1999	NZ304323	Ferryhill Cut CWS 7.3, southern pond area.	J Stobbs & V Standen
Jul-91	NZ339334	Garmondsway Moor Quarry CWS 7.13	V Standen
1996	NZ517245	ICI - Brinefield No. 4	Lawrence, I.C.
21/08/89	NZ519244	Long Drag	Weir, A.

Cerastium arvense
Field Mouse-ear

English Status Near Threatened
 County Status Scarce, declining

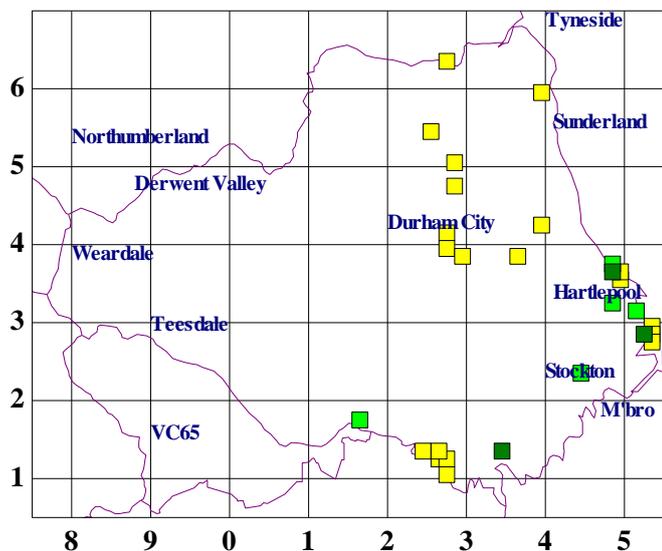
The county status is a good match for its new English status, with a considerable decline.

Chamaemelum nobile **Chamomile**

National Status Vulnerable
 County Status Hortal

All records are hortal.

Cerastium arvense



31-May-06	NZ488366	Hart Warren	CNFC
05-Jun-04	NZ347138	The Whinnies LNR	DTNFC
08-Jun-03	NZ52J	Seaton Sands NNR	J O'Reilly & C Coleman
13-Jun-98	NZ482374	Crimdon	Dines, Dr T.
27-May-95	NZ1617	Gainford	Gates, Dr P.J.
04-Sep-92	NZ447232	Gravel Hole	Lowe, C.J.
2010	NZ5131	Hartlepool North Sands	Ian Bond

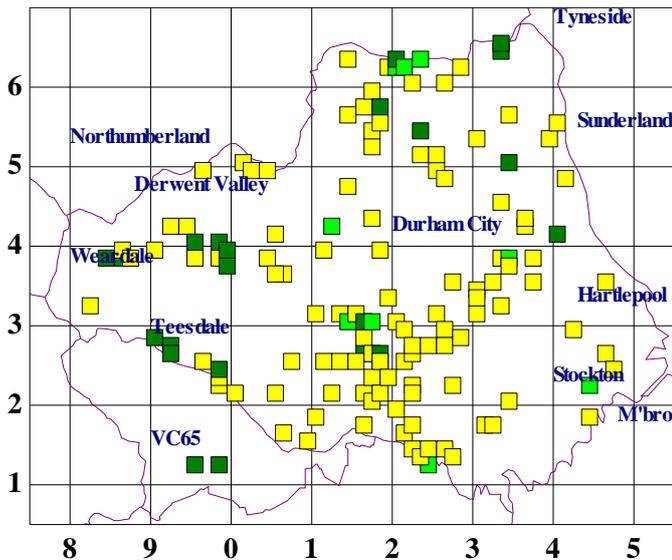
Chenopodium bonus-henricus
Good King Henry

National Status Vulnerable
 County Status Declining

Formerly quite common, the steep degree of decline can be seen from the map. All records are mapped, but only VC66 records after 1985 are listed.

29 / 7 / 13	NY9937	Stanhope	NHSN
13-Jun-02	NY987242	Toft Rigg to Swinkley Knoll, N Verge	John Liam Durkin
17-Jul-01	NZ2354	Urpeth Forge road verges	Mclay, A
03/08/08	NZ178263	West Auckland	J L Durkin
03-Jul-10	NZ1826	West Auckland	J L Durkin
24/08/96	NZ1430	Witton-le-Wear	GGG
24-Aug-06	NZ169308	Witton-le-Wear Viaduct	John Liam Durkin

Chenopodium bonus-henricus



24-Jul-05	NZ3450	A690 Houghton Cut West verge	John Liam Durkin
31-Jul-04	NY91W	Bowes	DTNFC
13-Jun-09	NY906282	Bowlees	DTNFC
21-Jun-05	NY905281	Bowlees roadside	Wild Flower Society
16/05/14	NZ048111	Brignall Banks	J L Durkin
17/08/04	NZ1857	Byermoor Industrial Estate	Mclay, A
06-Jul-91	NZ3438	Cassop Vale	NNU
07-Jul-94	NZ2162	Derwenthaugh salt marsh	Bowey, K.
21/08/94	NZ234136	Low Coniscliffe	DTNFC
Jul-01	NZ207632	Metrocentre	J L Durkin
27-Jun-05	NY9223 2771	Middle Side to Newbiggin	Jane Young
05-Jun-08	NY9226	North Of Park End Wood	John O'Reilly
1996	NZ1730	Paradise Tip	GGG
10/5/11	NZ403416	Peterlee	C Gregory
01-Jun-94	NZ2062	River Derwent	Bowey, K.
26/08/94	NZ2363	River Team	Bowey, K.
19/11/06	NY93E	Slit Wood	J L Durkin

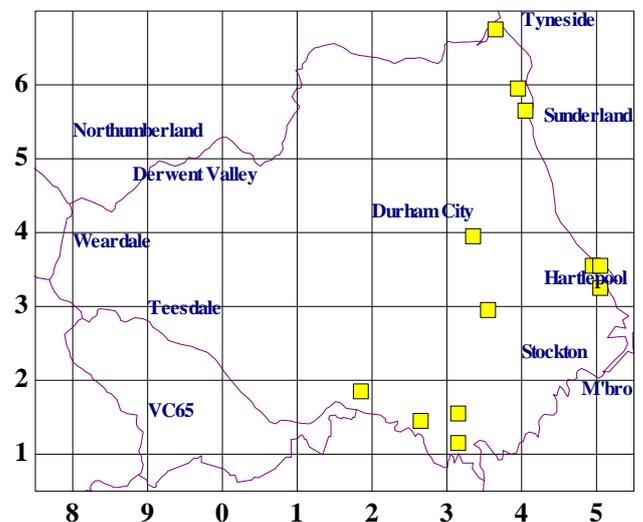
Chenopodium glaucum
Oak-leaved Goosefoot

National Status Vulnerable
 County Status Declining

There are no recent records.

Jul 1981	NZ331393	Cassop Vale	Hopkins, Dr J.J.
05 Sep 75	NZ310151	Darlington	Wiggington MJ
26 Jul 77	NZ499357	Hartlepool North Sands	McAndrew, Mr R.T.
25 Aug 72	NZ503355	Hartlepool Slake	Graham et al, Rev G.G.
18 Jun 76	NZ313117	Hurworth Moor	Wiggington, M.J.

Chenopodium glaucum



24-Jul-05	NZ3450	A690 Houghton Cut West verge	John Liam Durkin
31-Jul-04	NY91W	Bowes	DTNFC
13-Jun-09	NY906282	Bowlees	DTNFC
21-Jun-05	NY905281	Bowlees roadside	Wild Flower Society
16/05/14	NZ048111	Brignall Banks	J L Durkin
17/08/04	NZ1857	Byermoor Industrial Estate	Mclay, A
06-Jul-91	NZ3438	Cassop Vale	NNU
07-Jul-94	NZ2162	Derwenthaugh salt marsh	Bowey, K.
21/08/94	NZ234136	Low Coniscliffe	DTNFC
Jul-01	NZ207632	Metrocentre	J L Durkin
27-Jun-05	NY9223 2771	Middle Side to Newbiggin	Jane Young
05-Jun-08	NY9226	North Of Park End Wood	John O'Reilly
1996	NZ1730	Paradise Tip	GGG
10/5/11	NZ403416	Peterlee	C Gregory
01-Jun-94	NZ2062	River Derwent	Bowey, K.
26/08/94	NZ2363	River Team	Bowey, K.
19/11/06	NY93E	Slit Wood	J L Durkin

***Chicorium intybus* Chicory**

English Status Vulnerable
 County Status Widespread hortical.

Widespread, but all records are hortical, some from wildflower seed mixes.

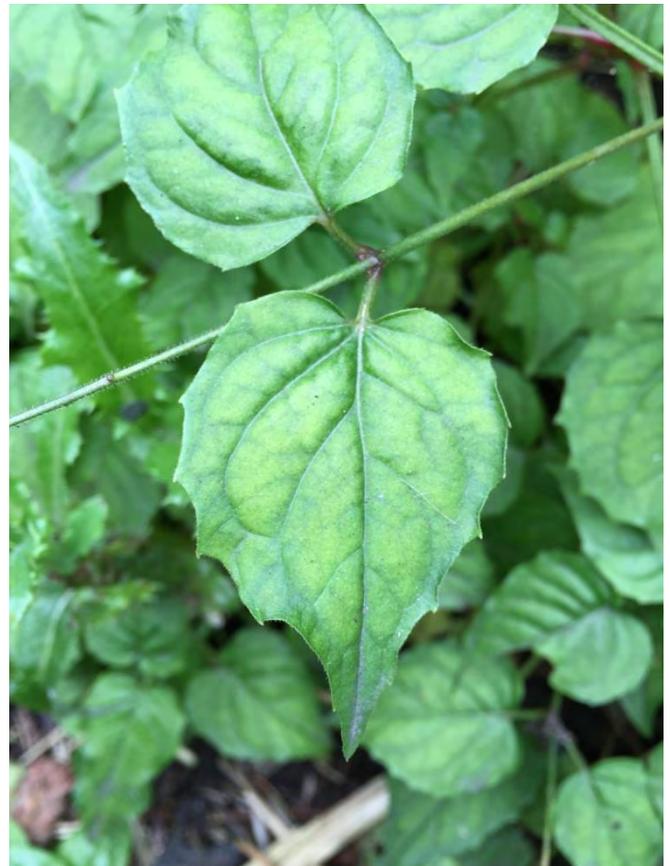
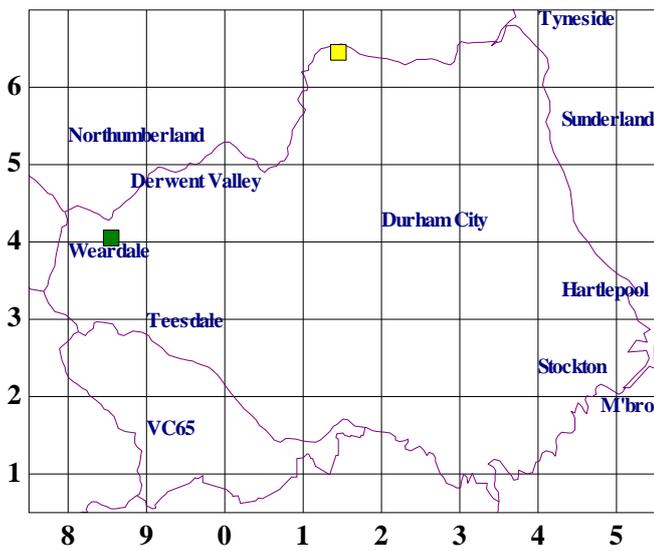
***Ciraea x intermedia*
 Hybrid Enchanter's Nightshade**

English Status None
 County Status Very rare

26-Sep-15	NY8561040124	Wearhead	Lynn Flowers
1868	NZ16M	Ryton	STOREY, J.

Only known from a single old record in Baker and Tate, until it was found in Weardale by Lynn Flowers. The site is one that has been visited by many botanists, so perhaps we have been overlooking this plant.

Circaea x intermedia



Cirsium dissectum

Meadow Thistle

English Status Least Concern
County Status Rare

12-Jul-05	NZ2810	Hell's Kettles	DTNFC
12-Jun-05	NZ1631	Witton le Wear SSSI	DTNFC
30-Jul-69	NZ128572	Chopwell Wood	Scurfield J.G.
05-Aug-76	NZ346525	Herrington Hill Wood	Weston T.J.
05 Aug 1885	NZ011	Deepdale Wood CWS 6.34	Mr Roper

Clinopodium acinos Basil Thyme

National Status None
County Status Scarce, declining.

Mainly in the hectad NZ33, the core area of the magnesian limestone.

Jul-91	NZ362327	Fishburn	Valerie Standen
Jul-91	NZ339333	Garmondsway Quarry	Valerie Standen
18/09/10	NZ3337	Quarrington Hill Grasslands SSSI	Sarker, Falgune
2000	NZ3437	Quarrington Hill Grasslands SSSI	Natural England
10-Jul-05	NZ3132	Thrislington Plantation NNR	DTNFC
Jul-91	NZ360353	Trimdon Grange & Railway CWS 7.17	Valerie Standen

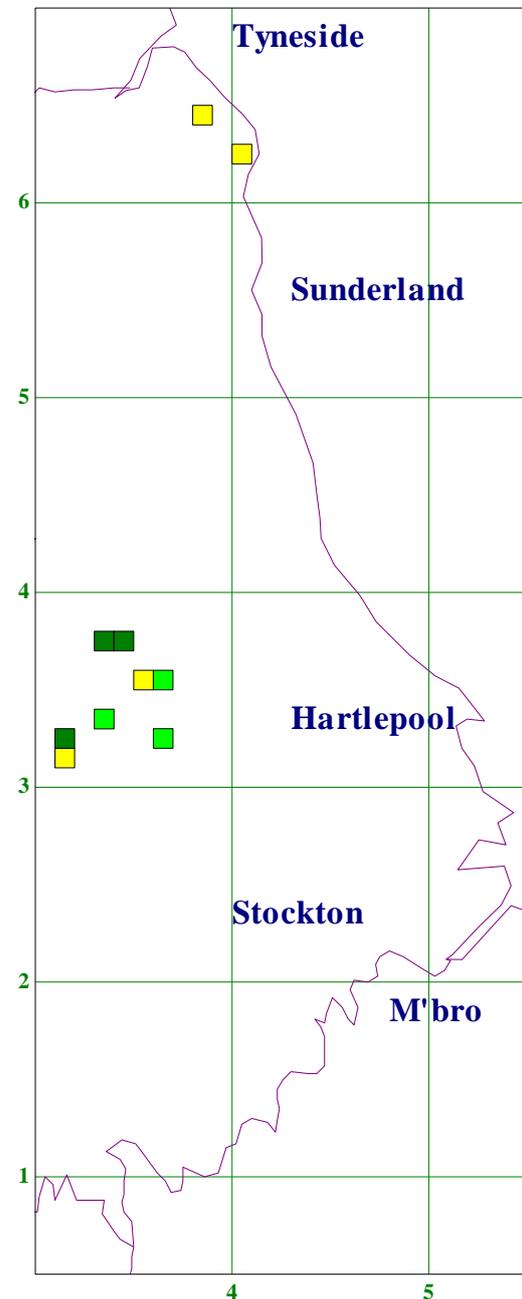
Cirsium heterophyllum

Melancholy Thistle

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Its main distribution is in Teesdale and Weardale, more sparse in the Derwent Valley, but coming down almost to the Tyne. There are also a handful of sites in the magnesian limestone area. Sites are too many to list.

Clinopodium acinos



Cochlearia anglica
English Scurvy-Grass

National Status None
County Status Rare

These are perhaps doubtful records.

1991	NZ384667	Trow Point	Boyce, Mr R.
1986	NZ3965	The Leas	National Trust

Commarum palustre

English Status Near Threatened
County Status Common/no decline

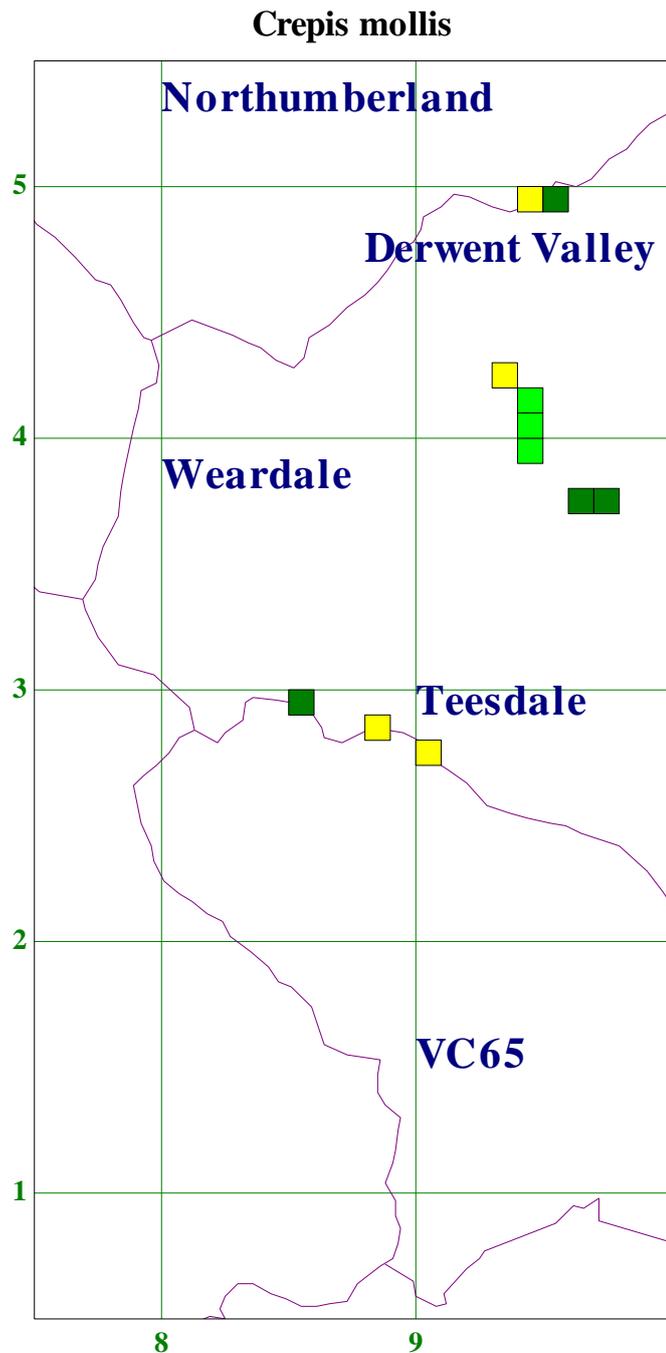
This species is declining in England, but at a much slower rate in County Durham. It is especially frequent in Upper Teesdale. Sites are too many to list.

***Crepis mollis* Northern Hawksbeard**

National Status Endangered
 County Status Scarce

Rare and sparse on dry grassy banks, meadows and wood pasture in the Pennines. There are older, doubtful lowland records.

John O'Reilly has been studying this species in North-east England.



14/07/08	NY904279	Winch Bridge (VC66)	L Robinson
23-Jul-91	NY944413	Smailsburn	GGG
Jul-91	NY947397	Sunderland Cleugh LWS 3.0.5	Valerie Standen
10-Jul-08	NY951492	Verge between Hunstanworth and Baybridge	John O'Reilly
11-Jul-08	NY96843764	Meadow south of Horsley Burn (Weardale)	J O'Reilly & Julia Quinonez
	NY96853764		
11-Jul-08	NY96921375	West Newlandside Farm SSSI	John O'Reilly & Julia Quinonez
	NY97303745		
	NY97323748		
	NY97373749		
	NY97383744		
	NY97393745		
	NY97373756		
	NY97393756		
	NY97403748		
	NY97423746		
	NY97423749		
	NY97433755		
	NY97433756		
	NY97443751		
NY97443753			
NY97453753			
NY97453754			
NY97463753			
NY97463754			

Cruciata laevipes

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

***Cryptogramma crisper* Parsley Fern**

English Status Vulnerable
 County Status Scarce

Present at few locations, though quite frequent at Falcon Clints and elsewhere in Teesdale. Parsley Fern has gradually died out in the Derwent Valley and in Weardale.

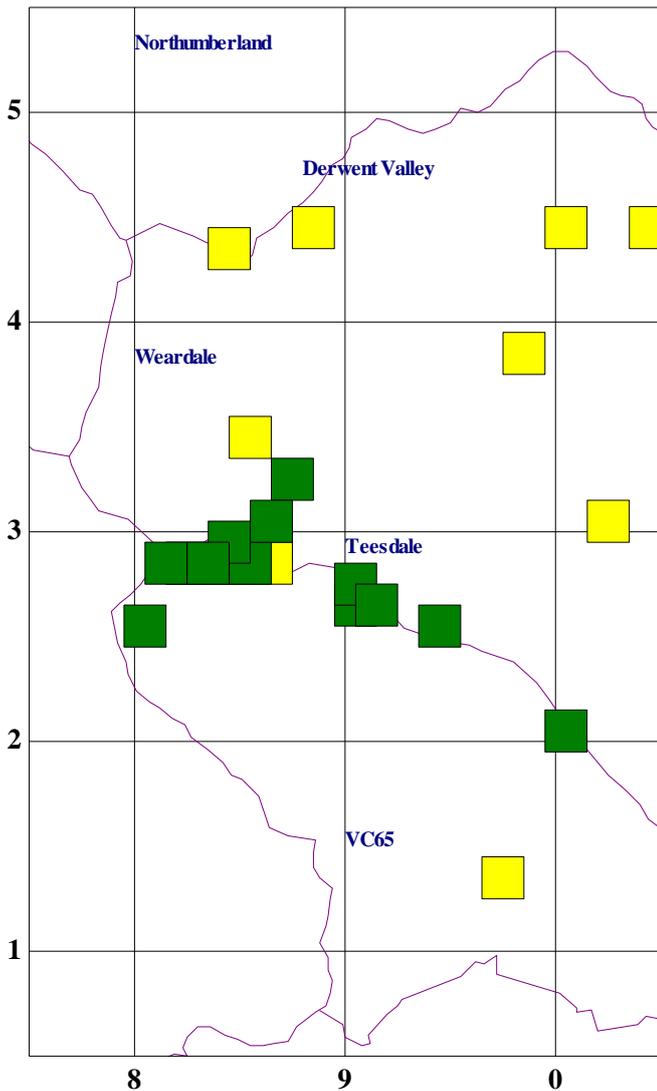
***Cuscuta epithymum* Dodder**

National Status Vulnerable
 County Status Extinct

A casual not seen for some years.

There are no recent records.

Cryptogramma crisper



Jul-05	NY820282	Falcon Clints	J L Durkin
26-Jun-05	NY9425	Middleton In Teesdale	DTNFC
20/08/11	NY8128	Falcon Clints	BPS
20/08/11	NY8328	Falcon Clints	BPS
25-Jun-09	NY83Q	Rose Tree Farm	John O'Reilly
1986	NY858341	Langdon Beck	J L Durkin
07-Jun-06	NY8732	Church Bowers	Craig Robson
17/10/15	NY910266	Holwick	M Bradshaw

***Cypripedium calceolus* Lady's Slipper**

National Status Critically Endangered
County Status Rare, re-introduced

Magnesian limestone coastal denes. Castle Eden Dene is the most well known and recorded site, but there were also Ladies Slipper Orchids in Hawthorn Dene, and just possibly in Horden Dene.

Castle Eden Dene 1777 S Robson.

"In the north branch of the dene called the Black Dene, and in the main branch opposite the Garden of Eden, also on the first great white rock on the north side near the sea coast 9th July 1797", Winch, reported in 1832. The "Black Dene" is probably the dene now called Blunts Dene.

In 1848 four plants were seen by R Carr. None could be found by R Burdon in 1856. The Burdon family, local landowners, had been the custodians of the Ladies Slipper Orchids for many years, so this failure to find any plants is significant.

Hawthorn Dene, LSO were seen by Mrs D M Metcalfe in the wild and in local greenhouses in the 1920s. Miss M Charlton had a specimen picked for her by a local policeman on Whit Monday, 1926.

"In another dene some miles further to the north [of Castle Eden Dene] Mr John Cameron gathered it in 1874 and observed 17 plants with MR E C Robson on a further visit (on a land slip on the southern side). F A Lees 1875 and 1876. This is almost certainly Hawthorn Dene, but could possibly be Horden Dene.

Conservation- The sites are in Castle Eden Dene National Nature Reserve and in Hawthorn Dene SSSI.



Archive.org

Cystopteris alpina

National Status Critically Endangered
County Status Extinct

There are no recent records, despite careful searches.

Dactylorhiza traunsteinerioides
Narrow-leaved Marsh Orchid

National Status Scarce
 County Status Rare

Rare in flushed grassland on magnesian limestone coastal cliffs.

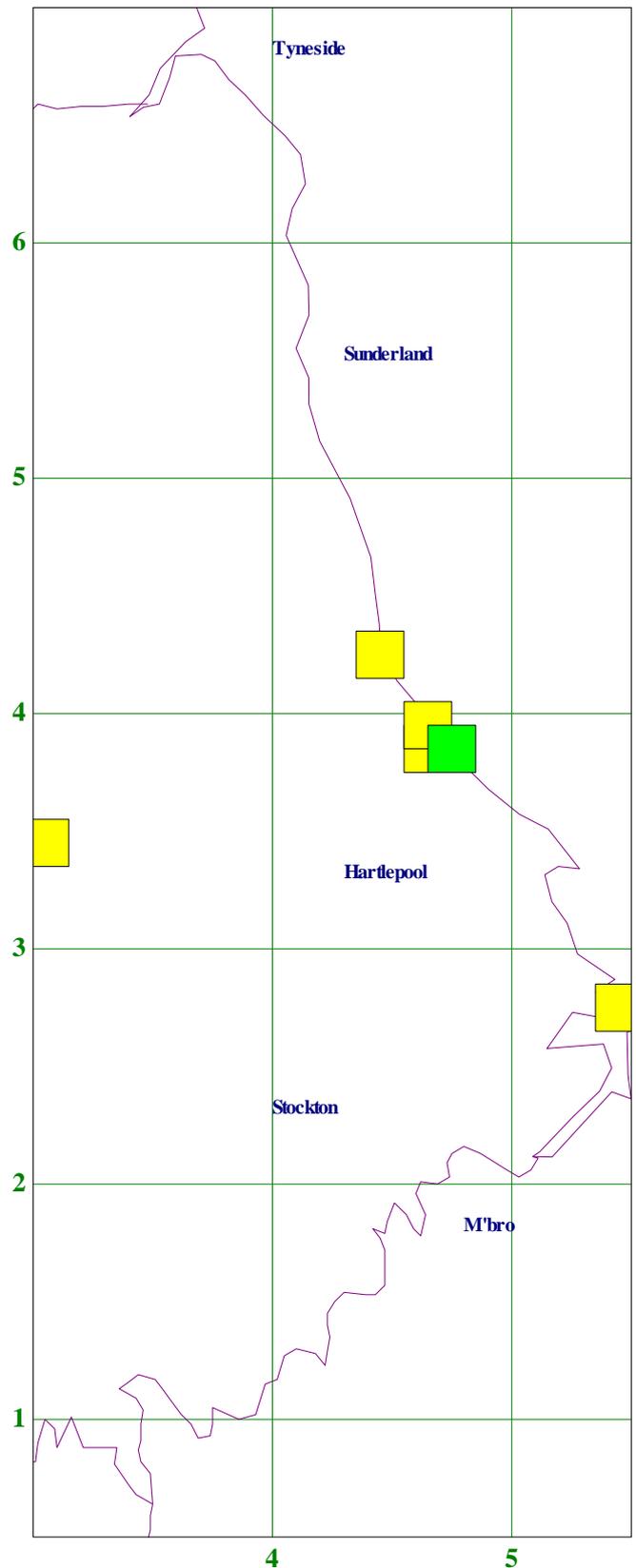
Conservation All of the sites are within the Durham Coast SSSI. The Blackhall and Blue House Gill sites are also in a Durham Wildlife Trust reserve.

1953	NZ4639	Blue House Gill	JWHH and Richardson, J A
05/07/83	NZ447427	Horden Point	Lowe, M.R.
17/06/90	NZ475385	Blackhall Rocks	Mitchell, D.N.
22/06/79	NZ5427	Seaton Carew Dunes	A J Richards

Dactylorhiza fuchsii* x *traunsteinerioides

27/06/79	NZ475385	Blackhall Rocks	Gordon Graham
----------	----------	-----------------	---------------

Dactylorhiza traunsteinerioides

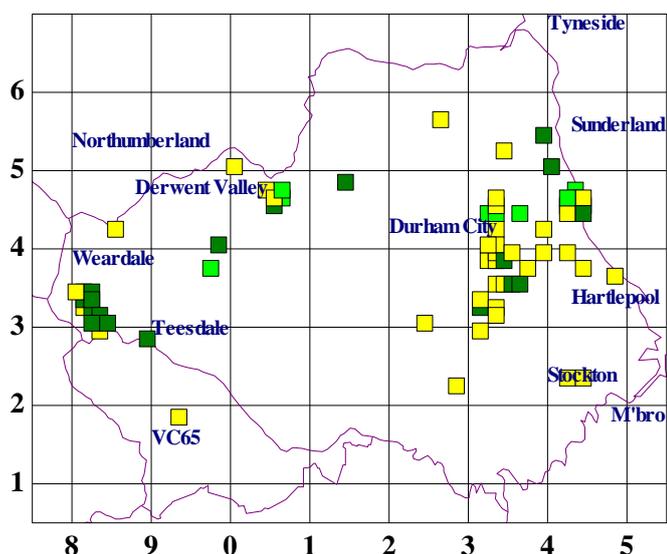


Dactylorhiza viride Frog Orchid

National Status Vulnerable
County Status Declining

Still well distributed in the county, but has declined, particularly on the inland magnesian limestone sites.

Dactylorhiza viride



25-Jul-09	NY82296 32688	Meadow north-west of Marshes Gill	John O'Reilly
	NY82302 32662		
	NY82295 32668		
May-09	NY83F	Marshes Gill (Binks House meadows) & Greenhills farms	John O'Reilly
26-Jun-09	NY83556 31880	Meadow SW of Greenhills	John O'Reilly
Jul-90	NZ0545	Nanny Mayer's Railway LWS 1.8	Valerie Standen
18-Aug-09	NY81423 33344	South of Clover Yard	John O'Reilly
05-Jul-06	NY986409	Stanhope Dene, bank down to waterfalls	A & G Young
05-Jul-06	NY987407	Crawleyside quarry, near first pool from road	A & G Young
26-Aug-06	NZ055452	Waskerley Way	Len Fallick & G Young
1990	NY972374	West Newlandside Meadows SSSI	English Nature

Dales sites

29/05/03	NY894283	B6277, W of access to East Friar House, N verge.	K Bowie, K Cunningham F Daly.
10-Jul-03	NY820342	B6277, E of Rough Rigg, N verge	K Bowie, K Cunningham F Daly.
25-Jul-09	NY82092 32030	Field S of Marshes Gill	John O'Reilly
02-Jul-09	NY82253 33404	Force Foot meadow	John O'Reilly
02-Jul-07	NY8134	Force Hill	J O'Reilly
09-Jul-07	NY8232	Forest-in-Teesdale	Schober, Marie
02-Jul-07	NY8133	Herdship	J O'Reilly
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen
15-Jun-05	NZ149480	Lanchester Way, North side of track	A & G Young
2009	NY83G	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly

Magnesian Limestone sites for Frog Orchid

28-Jun-00	NZ341384	Cassop Vale	A & G Young
20-Jun-96	NZ4347	Chourdon Bay	GGG
02-Jun-04	NZ443453	Easington	A & G Young
	NZ442453		
Jul-98	NZ363443	Haswell	Coles, A.
1995	NZ438468	Hawthorn Dene	White, A.
29-Jun-08	NZ43714612	Hawthorn Quarry edge, quarry spoil	A & G Young
07-Jun-06	NZ437464	Hawthorn Quarry	Andy Mclay
29-Jun-08	NZ43874639	Hawthorn quarry, near entrance	A & G Young
	NZ43844650		
08-Jun-08	NZ4445	Hawthorn Hive	CNFC
13-Jun-98	NZ315326	Thrislington NNR	DWT Hedges Survey
20-Jun-92	NZ3244	Pittington	Boyce, R.
1992	NZ3344	Pittington Hill	Boyce, R.
08-Jul-09	NZ3535	Raisby Quarry	Richards, A.J.
14/06/06	NZ310326	Thrislington	G Young
10-Jun-07	NZ31243254	Thrislington	A & G Young
24-Jun-01	NZ361352	Trimdon Limestone Quarry SSSI	CNFC
10-Jul-99	NZ392546	Tunstall Hills	Coles, A.
28-Jun-10	NZ391546	Tunstall Hills	A & M White
17-Jul-05	NZ4344	White Lea	DTNFC

Daphne mezereum Mezereon

National Status Vulnerable
County Status Probably hortal

Gordon Graham described this plant's former presence at Tunstall Hills as possibly native. It would have been the northernmost native site for this shrub.

Hortal, Stanhope riverbank, 2006.

Dianthus deltoides Maiden Pink

National Status Near Threatened
County Status Rare or extinct.

Gordon Graham said in his Flora "very rare on sunny banks. Formerly found in several localities, but only one extant site is known". The one site was at Edmundbyers, but the plant has now gone from there.

The old records are listed here, in the hope that it may be re-found.

1952	NZ0649	R Derwent	Bowman JTB
1952	NZ0750	Allensford	Bowman JTB
1944	NZ2755	Birtley	JW HH.
07/08/1951	NZ3131	Mainsforth	Richardson, Dr J

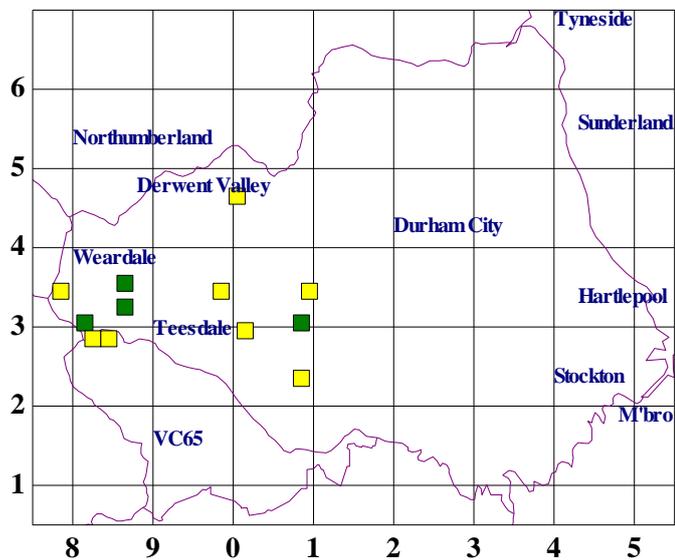
Diphasiastrum alpinum Alpine Clubmoss

National Status None
 County Status Scarce, declining.

A scarce species in County Durham, mainly associated with almost bare ground in old quarry spoil areas.

23-Jul-06	NZ03V	Hamsterley Forest	DTNFC
2002	NY83R	Harthope Head	Hedley, S.
June 2011	NY86286 35278	Harthope Head Quarry	Mel Lloyd
2011	NY8130	Slapstone Sike	M.E. Bradshaw

Diphasiastrum alpinum



Dryas octopetala

Mountain Avens

National Status Least Concern/Scarce
English Status Vulnerable
County Status Rare

Only recorded from Cronkley Fell, vc65, where the site is now within one of the "exclosures". There are older records from Mickel Fell, where it may still be present. Pollen cores show it was once on Widdybank Fell, but such a distinctive plant is certainly absent there now.

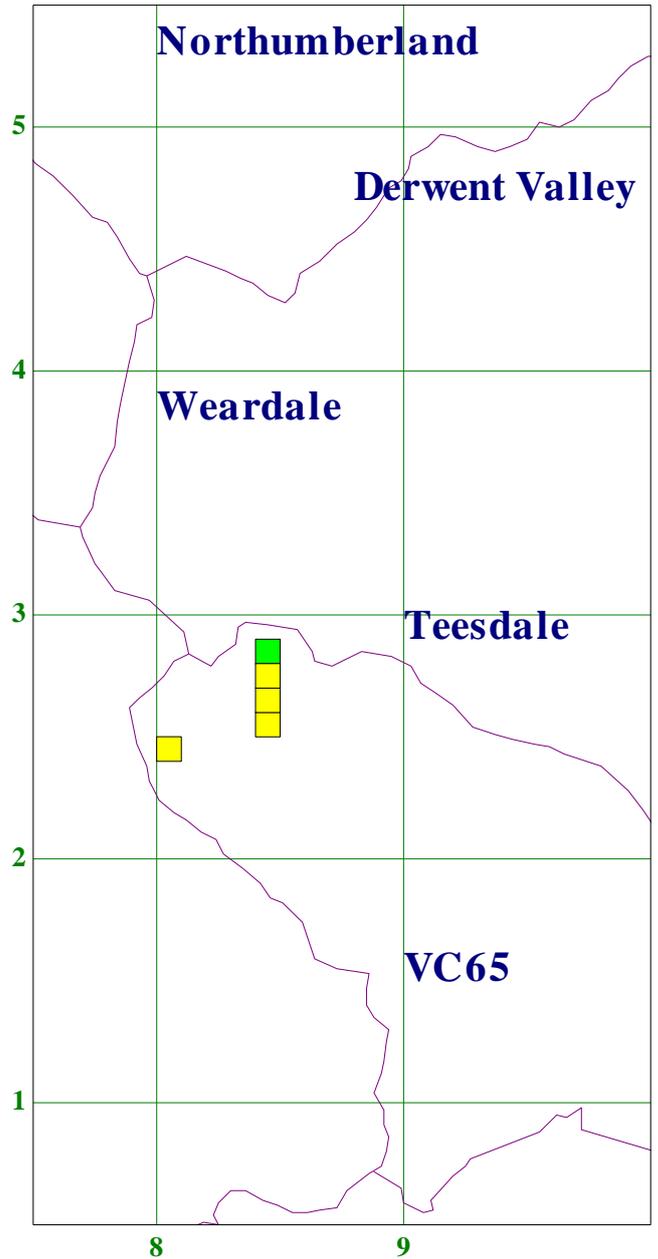
Conservation- The sites are in the Upper Teesdale Nature Reserve.

18-Jun-06	NY848283	Cronkley Fell	Cleveland Naturalists Field Club
-----------	----------	---------------	----------------------------------



Archive.org

Dryas octopetala



Drosera rotundifolia

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Found almost entirely in the Pennines, but with two lowland bog sites in Hartlepool. Sites are too many to list.

Dryopteris submontana
Rigid Buckler Fern

National Status Scarce
 County Status Rare

Not recorded at the time of Gordon Graham's Flora, but now known to be present at three sites, two in the Dales and one on the magnesian limestone. These are this fern's northernmost sites in Britain. They are marked as hortical in the "New Flora", but appear to natural colonists.

Dryopteris submontana



***Eleogiton fluitans* Floating Club-rush**

National Status None
 County Status Not recently recorded.

16 Jul 1970	NY854286	Tarn Dub	Hall, E.M. MacAlister
30 Jul 1981	NY853287	Tarn Dub	Newbold, C.

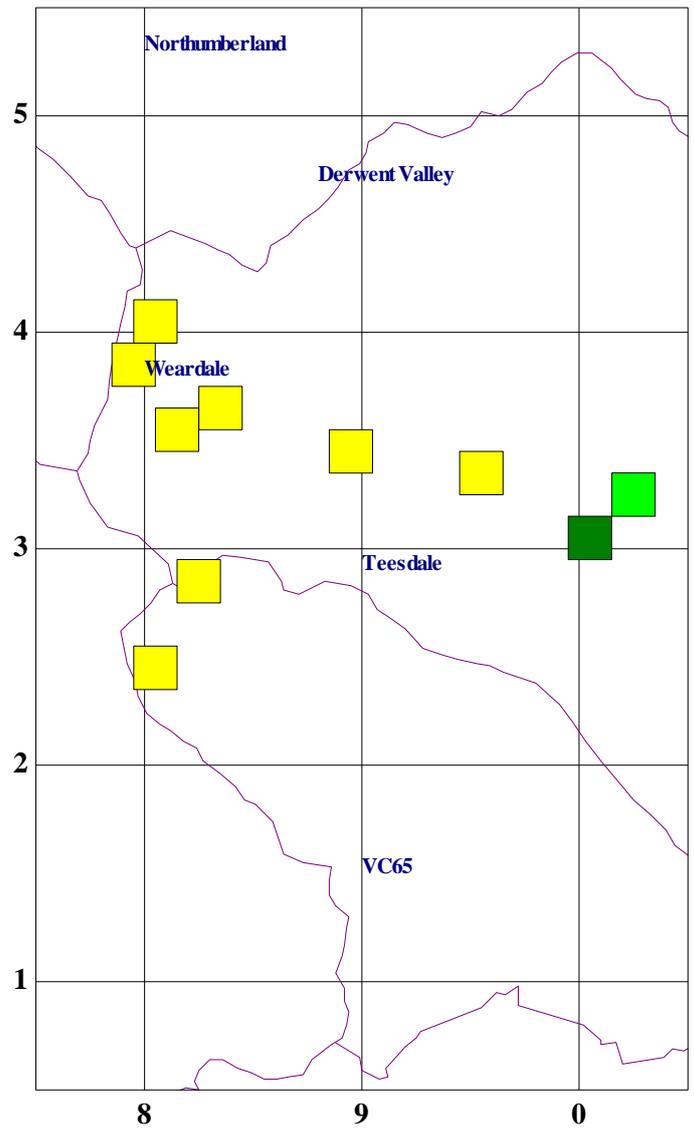
14/07/04	NY857375	Ireshopeburn, old silver/lead mine.	J L Durkin
04/11/07	NY955464	Ramshaw	J L Durkin
2006	NZ341352	Raisby quarry	J L Durkin

Epilobium alsinifolium
Chickweed Willowherb

National Status None
 County Status Scarce, declining.

01-Jun-78	NY956337	East Todd Sike	M Burnip
10-Aug-15	NY7938	Burnhope Moor	Richard Friend
19-Aug-80	NY793383	Dead Stones	GGG
24-Aug-72	NY833363	Ireshope Moor	GGG
14-Oct-98	NZ021322	Pikestone Fell	McCutcheon, D.E.
01-Aug-07	NZ03A	Sharnberry Gill	J L Durkin
19-Jun-77	NY891342	Swinhope Head House	M Burnip

Epilobium alsinifolium



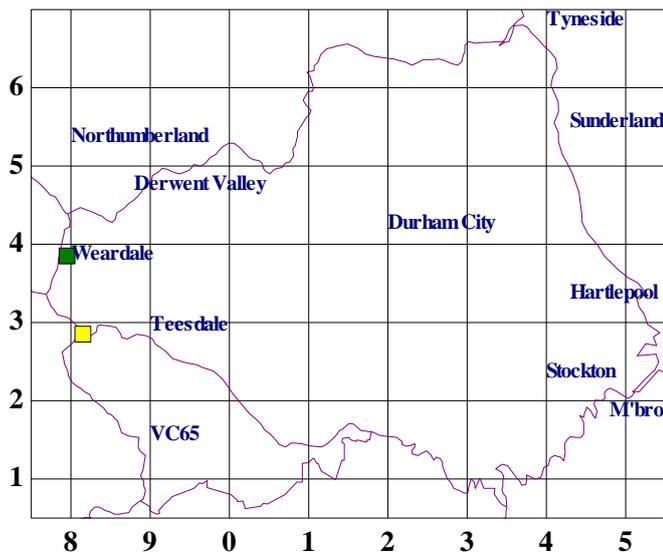
Epilobium anagallidifolium
Alpine Willow Herb

National Status Least Concern
 English Status Vulnerable
 County Status Rare

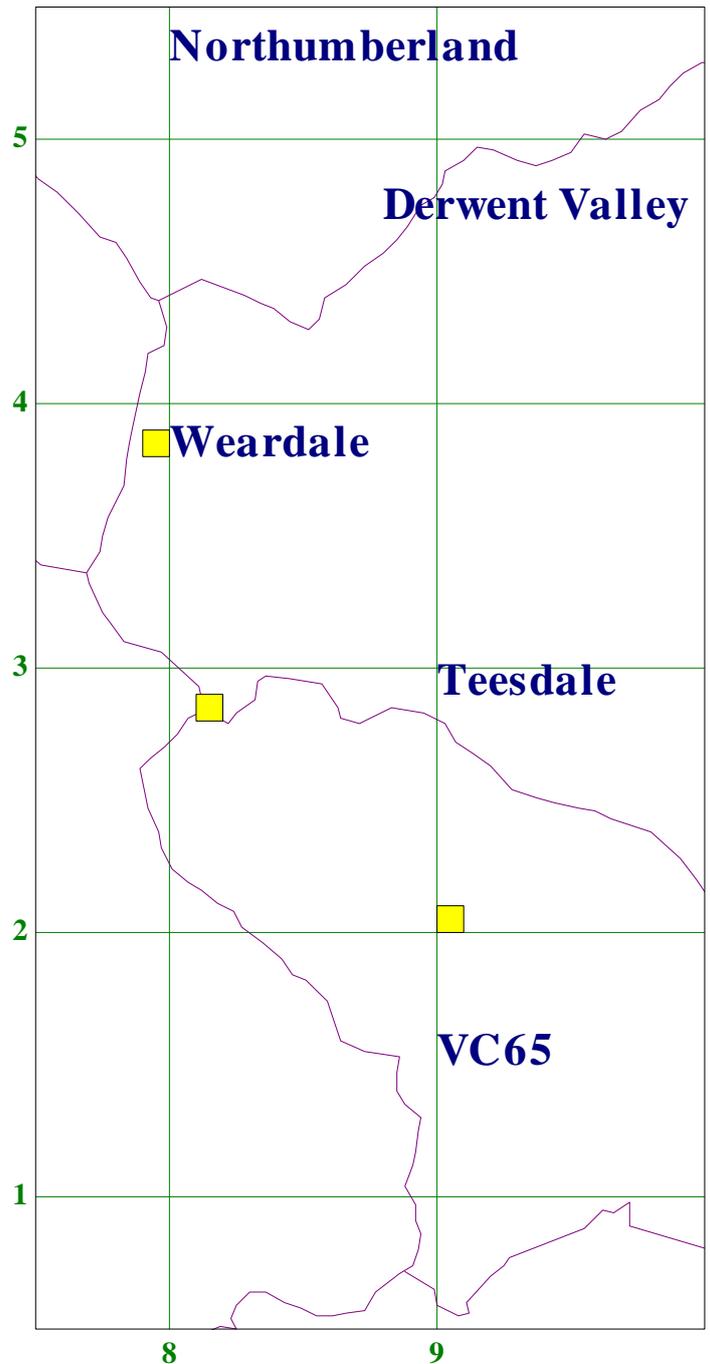
County Durham has a large proportion of the English distribution of this willow herb. It is poorly recorded, because of the remoteness of its sites.

10/08/15	NY7913 038667	Burnhope Seat	Richard Friend
1939	NY8128	Cauldron Snout	JWHH & Temperley, G W

Epilobium anagallidifolium



Epilobium anagallidifolium



Epipactis atrorubens
Dark Red Helleborine

National Status Scarce
 County Status Scarce

On the magnesian limestone, mostly in disused quarries. The disused quarries at Bishop Middleham and Raisby, both Durham Wildlife Trust reserves, are probably the best British sites for this orchid.

Re-found at or maybe re-colonised Hastings Hill, the most northerly site, in 2011.

There is one upland site, at Cronkley Fell in VC65 which includes paler and white flowered plants.

Hybrids with Broad-leaved Helleborine have been identified at Bishop Middleham Quarry by John Richards in 2010.

County Durham has a significant proportion of the national distribution of this species, most of the plants and all of the best sites.



Photographed in County Durham
 by UKWildflowers.com

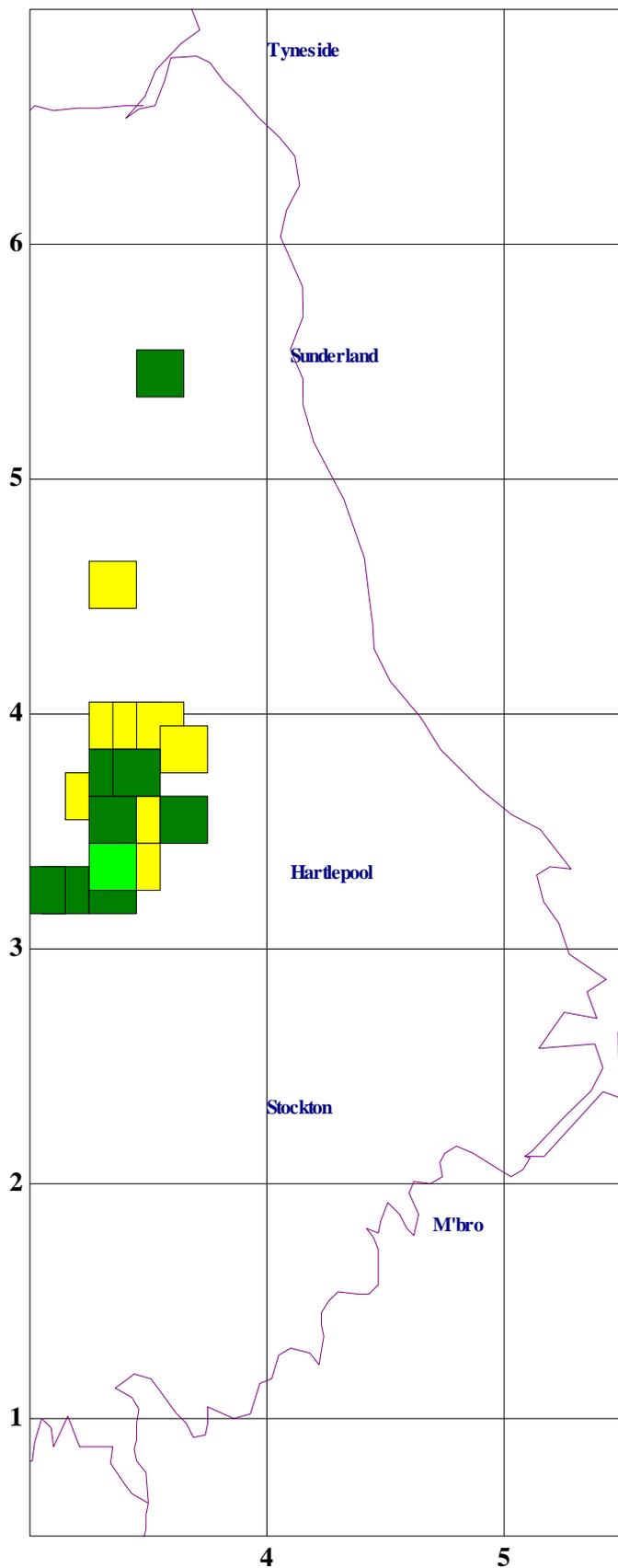
Magnesian Limestone sites

14/06/06	NZ318327	Thrislington NNR	A & G Young
	NZ318328		
1999	NZ319326	Thrislington NNR	Boyce, R.
11/08/09	NZ319329	Thrislington NNR	J Durkin
2014	NZ319329	Thrislington working quarry	Janet Simkin
	NZ310326		
	NZ319327		
	NZ319329		
11/08/09	NZ318324	Rough Furze Quarry LWS 7.27	John Liam Durkin
2000	NZ3337	Quarrington Hill Grasslands SSSI	Natural England
01/07/10	NZ341375	Quarrington Hill Grasslands SSSI	D Mitchell
11/08/09	NZ330325	Bishop Middleham Quarry	John Liam Durkin
09/07/11	NZ330328	Bishop Middleham Quarry	John Liam Durkin
	NZ330326		
	NZ330327		
	NZ331325		
	NZ331326		
13-Jun-98	NZ332337	Fox and Hounds	DWT Hedges Survey
07/08/12	NZ333352	Raisby Grassland, small quarry	Ruth Jackson
10/07/07	NZ335355	Raisby Grassland	CM Port and R Jackson
	NZ337355		
24/06/11	NZ353544	Hastings Hill	Kay McDowell
08-Jul-09	NZ3642635373	Trimdon Railway Walk	Richards, A.J.
Jul-99	NZ367354	Trimdon Grange Pit Heap LWS 7.36	Stobbs, J.
20/11/08	NZ300329	The Carrs Quarry	Alison Hiles

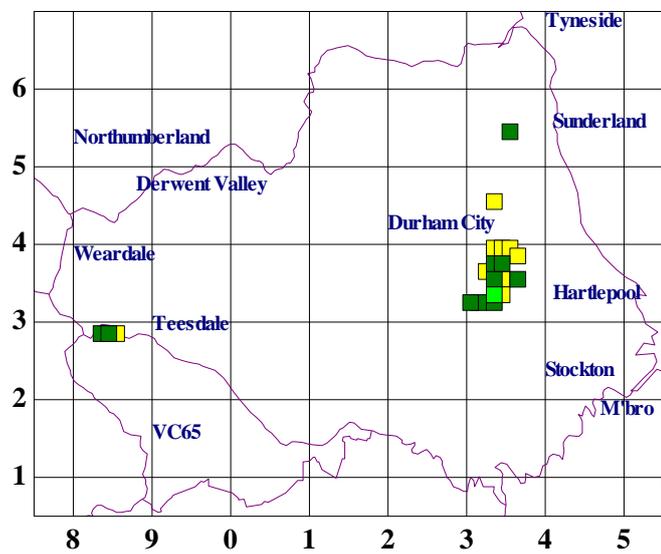


Dark Red Helleborine at Bishop Middleham Quarry

Epipactis atrorubens



Epipactis atrorubens



Upper Teesdale Sites are all in VC65

2007	NY8428	Cronkley Fell	Bradshaw Dr ME
31/07/76	NY851283	Cronkley Fell	Lang, D.C.
04/97/14	NY839282	Cronkley Fell, White Well	BSBI trip

Epipactis dunensis
Dune Helleborine

National Status Rare
English Status data deficient
County Status Rare

Recorded from a single site, where it has been known for many years.

Conservation- The plants are in a Local Wildlife Site.

Jul-94	NZ4936	Hart Warren	Chris J. Lowe (Dr.)
--------	--------	-------------	---------------------

Epipactis palustris
Marsh Helleborine

National Status Least Concern
English Status Near Threatened
County Status Scarce

07/08/73	NZ4639	Blackhall Rocks	Burnip, M.
21/07/70	NZ4936	Crimdon Dene	GGG
21/07/70	NZ4936	Hart Warren	GGG
11 Aug 2009	NZ318324	Rough Furze Quarry CWS 7.27	J L Durkin
Jul 1981	NZ316327	Thrislington Plantation	Bruce, C.
1989	NZ3132	Thrislington Plantation NNR	Lowes, M.

Epipactis leptochila
Narrow Lipped Helleborine

National Status Scarce
English Status data deficient
County Status Rare

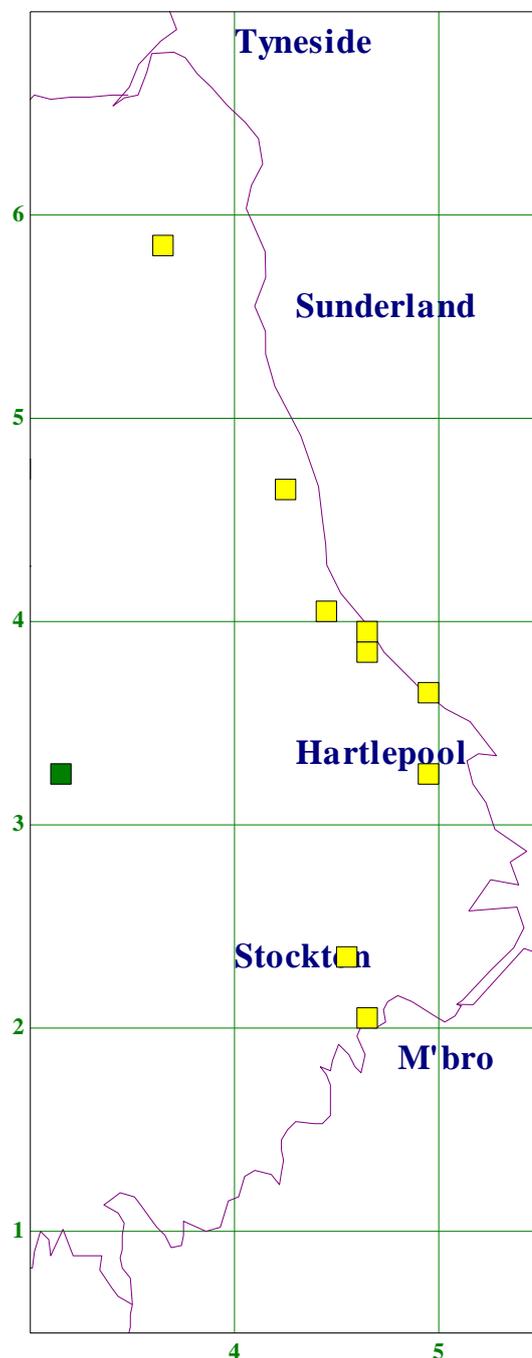
The Wylam site is on wooded river banks influenced by lead mining spoil deposits, across the Tyne from a VC67 site. It is the downstream continuation of a much more extensive Northumberland distribution. Numbers have declined as the site has become more densely wooded. Searched for, but not seen recently. Between Wylam and Clara Vale.

The Billingham site is on a disused railway track, two plants.

Conservation- The Wylam plants are in a Local Wildlife Site.

22-May-01	NZ125647	Tyne riverbanks, Wylam	John Liam Durkin
16/07/2003	Billingham Railtrack	NZ448234	Dave Laing. Confirmed by Ian Lawrence

Epipactis palustris



Erica cinerea **Bell Heather**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites, mainly in the west of the county, are too many to list.

Erica tetralix **Cross-leaved Heath**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites, mainly in the west of the county, are too many to list.

Eriophyllum angustifolium
Common Cottongrass

English Status Vulnerable
County Status Frequent

Frequent on the Pennine Moors, occasional in the east of the county. There are too many sites (130) to list here. Western sites with no recent records are probably under-recorded, but there is a distinct decline in the east.

***Equisetum pratense* Shady Horsetail**

National Status Least Concern/Scarce
 English Status Near Threatened
 County Status Scarce

Stream banks in upper Teesdale and along the Rookhope Burn.

Branched forms are present at most of the sites. The Rookhope branched plants were initially identified as the hybrid with *E. sylvaticum*, but subsequently determined by Marcus Lubiensky as a branched form of *E. pratense*. This form also occurs at Langdon Beck.

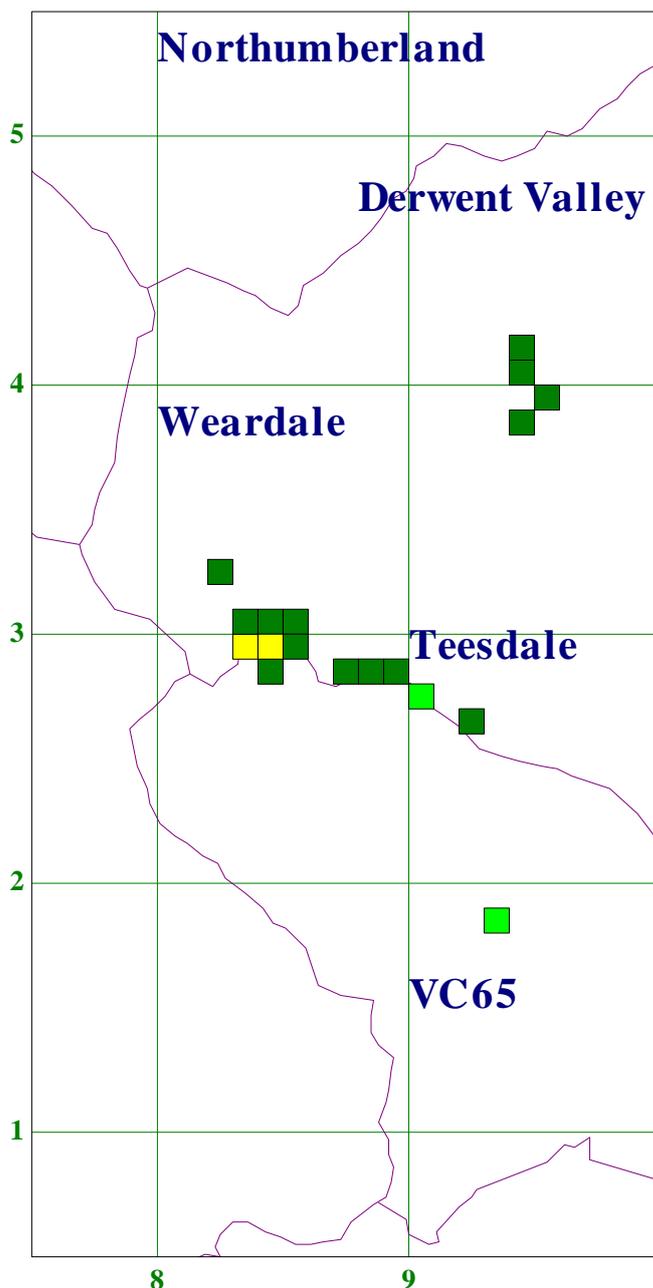
County Durham has a significant proportion of the national distribution of this species, and all or almost all of the English population.

Conservation- Most of the Teesdale sites are in the Upper Teesdale National Nature Reserve. The Rookhope sites are partly, but not entirely, in a LWS.

Teesdale sites

28/05/09	NY823326	Tees bank at Marshes Gill	John O'Reilly
2009	NY823327	Forest-in-Teesdale	Natural England
	NY824326		
	NY826323		
	NY855300		
31-May-07	NY837300	Widdybank Farm	John O'Reilly
19-Jun-09	NY85453019	Saur Hill Bridge	John O'Reilly
07-Aug-09	NY855299	S of Saur Hill Bridge on N side of beck	John O'Reilly
19/06/09	NY85502996	Wheysike House	John O'Reilly
	NY85542997		
	NY85592985		
28-Jul-07	NY85622987	Harwood Beck, bankside	Ann & Gordon Young
11/05/12	NY875281	Sun Wood	iSpot
30/06/06	NY8828	High Force	Wood, D& Woods, M
21-Jun-99	NY9027	Winch Bridge, VC65	Jones, Vincent
05/06/07	NY924263	N of Park End Wood	John O'Reilly
27/07/91	NY933188	High Hat	Sykes, M.

Equisetum pratense



Rookhopedale Sites

27/05/11	NY947405	Rookhope Burn	A McLay
	NY946411		
1998	NY943417	Rookhope Burn	John Durkin
	NY946407		
27/04/05	NY944416	Rookhope Burn	A and G Young
20/06/05	NY953390	Rookhope Burn	A and G Young

Equisetum variegatum
Variegated Horsetail

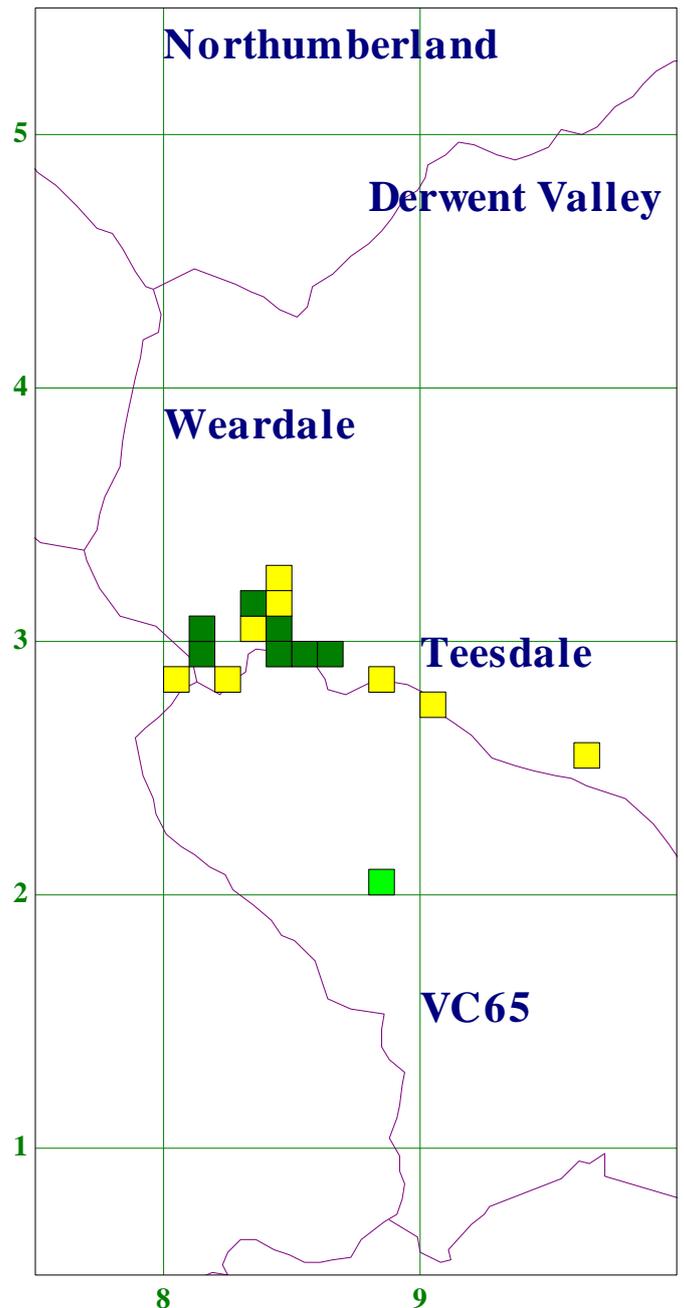
National Status Scarce
 County Status Scarce

Rare on wet rock ledges and damp eroded soil at Widdybank and formerly down the Tees to Middleton in Teesdale.

Conservation- Most of the sites are in the Upper Teesdale Nature Reserve.

30/06/06	NY844298	Cetry Bank	Wood, D& Woods, M
12/07/06	NY8529	Harwood Beck	G Young
21/05/08	NY8166 2943	Red Sike	A & G Young
12-Jul-06	NY862294	River Tees, 50m up-river from Cronkley Bridge	Ann & Gordon Young
28-Jul-07	NY8603 2960	River Tees, riverside bank	A & G Young
2011	NY8163 2950	Roadside at Red Sike	J L Durkin
08/07/09	NY84338 30938	Sand Sike	J O'Reilly
2011	NY8152 3044	Slapestone Sike	J L Durkin
10/09/13	NY8151 3043	Slapestone Sike	J L Durkin and SNH.
	NY8150 3043		
	NY8150 3042		
03/07/09	NY8331	Widdybank Fell	Schober. M
2009	NY844309	Widdybank Pasture	Natural England

Equisetum variegatum



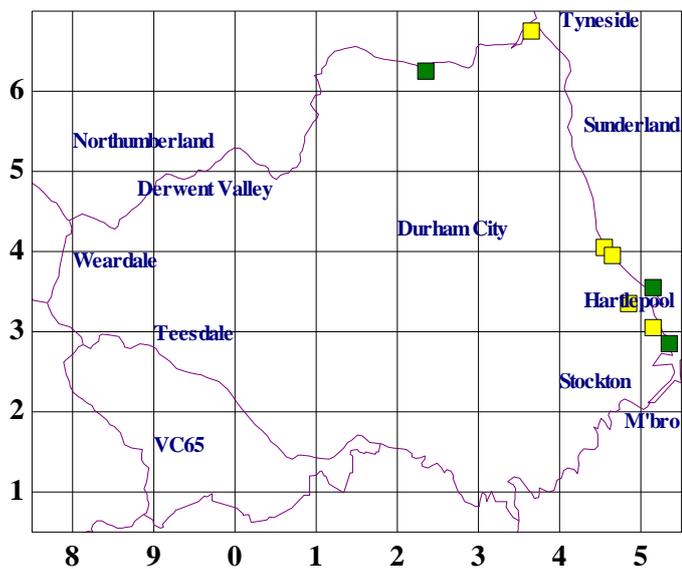
Eryngium maritimum
Sea Holly

National Status Least Concern
 English Status Near Threatened
 County Status Rare

Not seen as a native plant since 1948, but found within its former range in 2011 by David Shimwell.
 The Gateshead site was planted in 1990.

17/08/2001	NZ2362	Gateshead Garden Festival site	J L Durkin
1948	NZ4639	Blackhall Rocks	Lowe, R.H.
16/09/2011	NZ511351	Hartlepool North Sands	Shimwell, Dr D.W.
20/09/2011	NZ535285	Seaton Dunes	Shimwell, Dr D.W.

Eryngium maritimum



Euphrasia arctica arctica

Arctic Eyebright

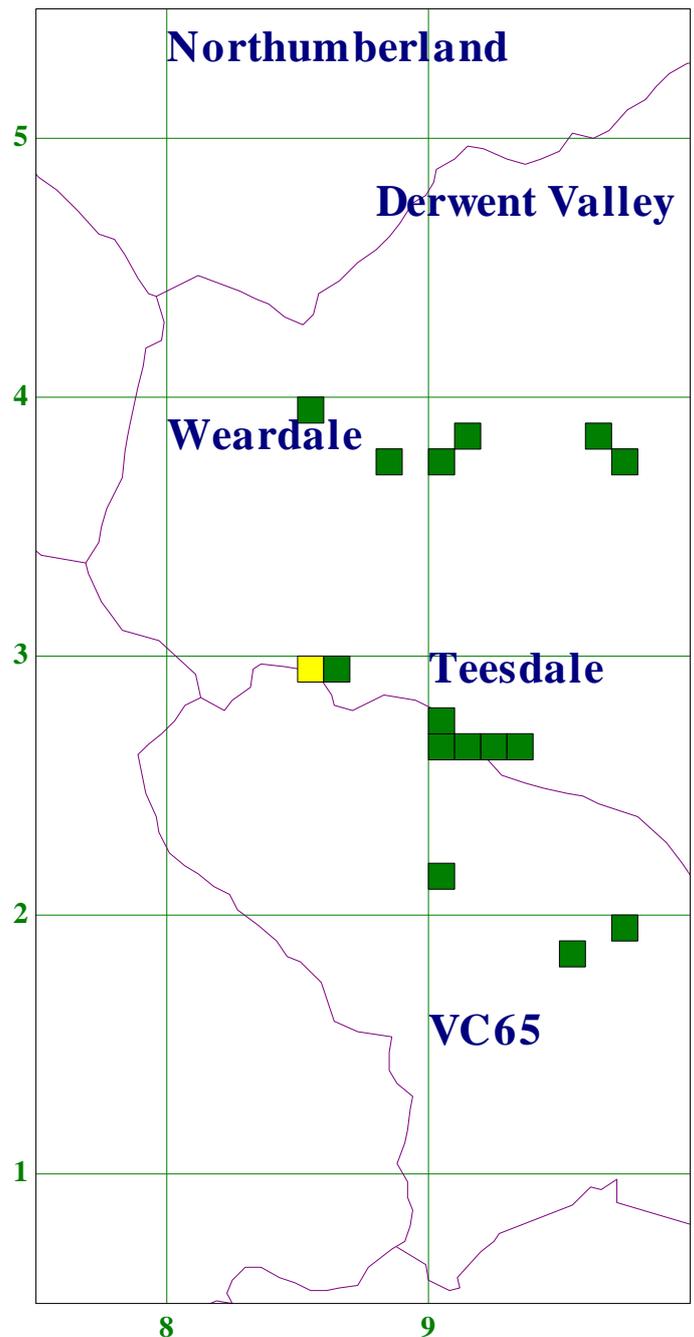
National Status Data deficient

County Status Scarce

Most of the modern records are from surveys of upland meadows by John O'Reilly.

10 Jul 2008	NY850398	upland haymeadow north of Black Cleugh, Wearhead	Fiona Corby
27 Jun 2008	NY856391	upland haymeadow at Irestone	J O'Reilly & J Quinonez
28 Jun 2008	NY861295	Haugh Hill	John & Clare O'Reilly
27 Jun 2008	NY887378	upland haymeadow at Rigg Side, St John's Chapel	J O'Reilly & Julia Quinonez
10 Jun 2008	NY902379	bank in meadow west of Westgate	John O'Reilly
09 Jul 2008	NY907218	upland haymeadow east of Wemmergill Hall farm	Fiona Corby
04 Jun 2008	NY909268	bank in meadow at Low Way Farm, Holwick	John O'Reilly
05 Jun 2008	NY909273	meadow by River Tees	John O'Reilly
03 Jun 2008	NY910389	upland haymeadow at Scutter Hill	John O'Reilly
19 Jun 2008	NY917263	upland haymeadow E of Millbeck Wood	John O'Reilly
05 Jun 2007	NY927263	upland haymeadow by River Tees	John O'Reilly
19 Jun 2008	NY931262	upland haymeadow at Stonygill Foot	John O'Reilly
13 Jun 2008	NY951185	damp area in semi-improved hay meadow, W of Pitcher House	O'Reilly, J and Quinonez, J
11 Jun 2008	NY959187	upland haymeadow at Scoon Ban	John O'Reilly
06 Jun 2008	NY963382	meadow W of Horsley Hall Stanhope	John O'Reilly
11 Jun 2008	NY970194	edge of upland hay meadow at West Briscoe	John O'Reilly
11/07/08	NY973375	West Newlandside	J O'Reilly J Quinonez
	NY974375		

Euphrasia arctica subsp. arctica



Euphrasia nemorosa

English Status

Near Threatened

County Status

Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Euphrasia officinalis monticola
An Eyebright

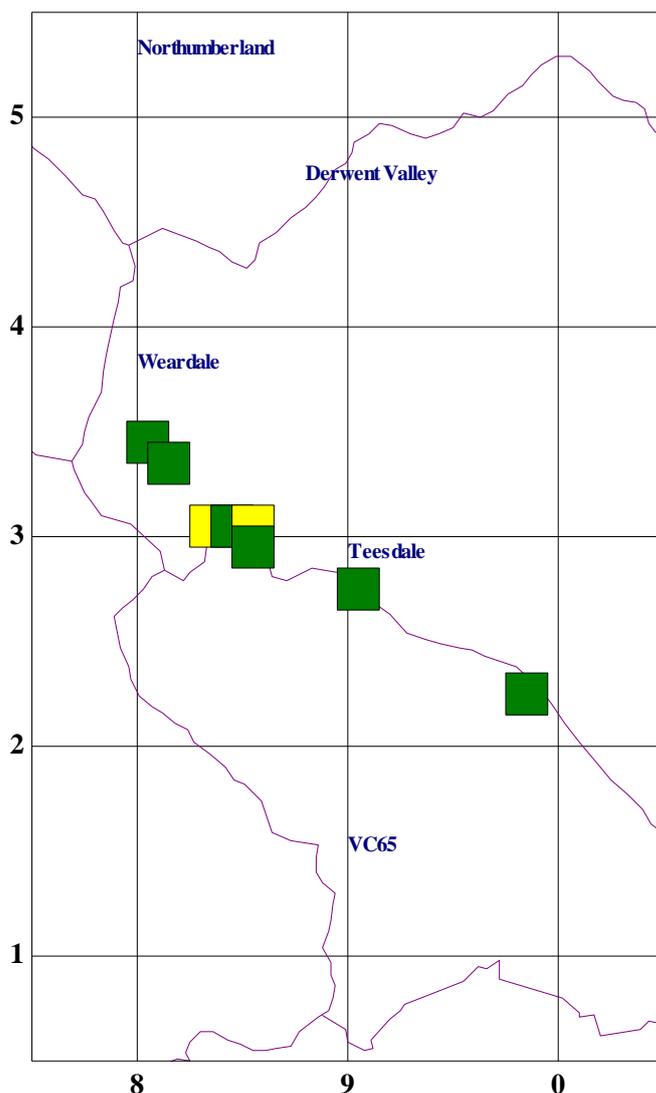
National Status Vulnerable
County Status Rare

Grassy tracksides.

Conservation- All of the sites are in the Upper Teesdale Nature Reserve and SSSI or in adjacent SSSIs.

02-Jul-07	NY813338	Herdship	J O'Reilly
2009	NY823326	Forest-in-	Natural
	NY824325	Teesdale	England
13-Jul-08	NY8329	Widdybank Farm	Simpson, G
21/06/00	NY8034	Frog Hall	Schober, M
02-Jul-07	NY810339	Frog Hall	J O'Reilly
18/08/09	NY81441 33348	South of Clover Yard	John O'Reilly
27/06/02	NY8529	Whey Sike	Schober, M
01/09/07	NY8428	Cronkley Fell	J L Durkin
03-Jul-07	NY904276	Meadow S of Winch bridge	John O'Reilly

Euphrasia officinalis subsp. monticola



Euphrasia ostenfeldii
An Eyebright

National Status Scarce, Data deficient
English status Data deficient
County Status Rare
One old record, from Teesdale.

Jul 1927	NY8128	Falcon Clints	J. Fraco
----------	--------	---------------	----------

Euphrasia tetraquetra
Western Eyebright

National Status Least Concern
English Status Near Threatened
County Status Rare

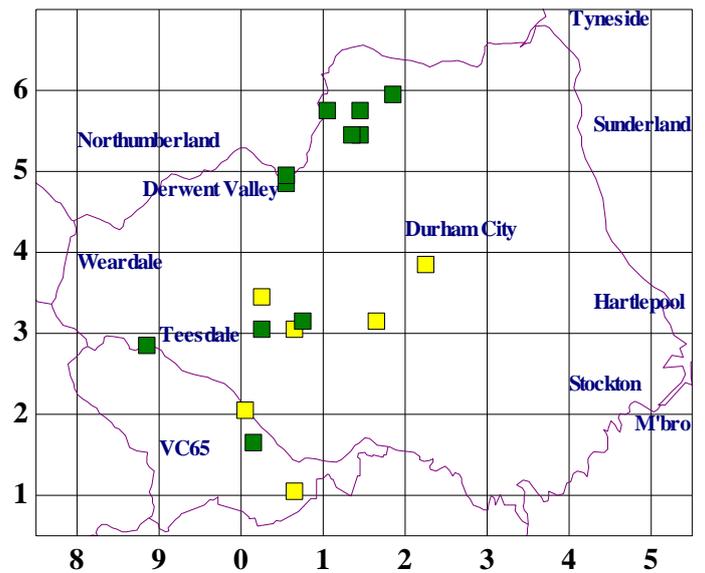
1981	NZ44K	Castle Eden Dene Mouth	Richards, A.J & Haigh, M.
03/09/81	NZ473388	Blackhall Rocks	Appleyard, Miss P.R.
03/09/81	NZ4639	Blackhall Rocks	Appleyard, Miss P.R.

Festuca altissima**Wood Fescue**

National Status None
 County Status Scarce

Typically in small numbers on wet, limestone or shale vertical faces.

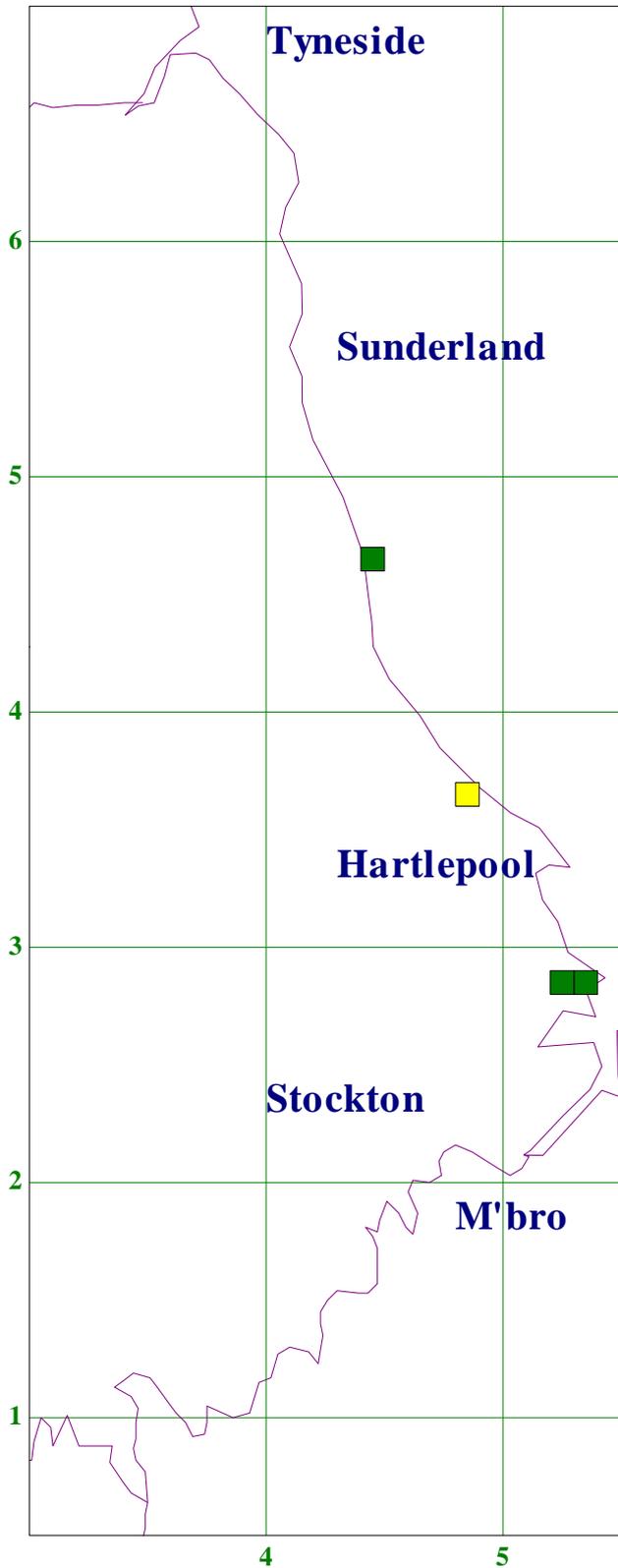
16/05/14	NZ05689 11252	Brignall Banks SSSI (VC65)	J L Durkin
08-Jul-06	NZ0784 3101	Ayhope Beck	J & C O'Reilly
Feb-08	NZ140574	Chopwell Craggs	J L Durkin
Feb-08	NZ141574	Chopwell Craggs	J L Durkin
10-Feb-08	NZ181594	Gibside, Snipes Dene	J L Durkin
10-Feb-08	NZ181596	Gibside, Viaduct Wood	J L Durkin
16/04/11	NZ022308	Hamsterley Forest CWS 6.25 Sharnberry Beck	A McLay
Jun-90	NZ075312	Hamsterley Forest	GGG.
Feb-92	NZ024307	Hamsterley Forest CWS	V Standen
	NZ077311	6.25	
30/06/06	NY8828	High Force	Wood, D & Woods, M
Nov-09	NZ1057	Milkwellburn Wood	J L Durkin
10/09/09	NZ0541 4886	Muggleswick Woods	Richards, A.J.
06/04/11	NZ054488	Muggleswick Woods	J L Durkin
06/04/11	NZ051491 to NZ052491	Muggleswick Woods	J L Durkin
16/04/06	NZ1454	Pontburn Woods, W Trust	J L Durkin
01/08/13	NZ13785423	Pontburn Woods	J L Durkin
26/05/13	NZ011161	Deepdale, Raven Scar (VC65)	J L Durkin
26/05/13	NZ01181622	Deepdale (VC65)	J L Durkin

Festuca altissima

Festuca arenaria
Rush-leaved Fescue

National Status Scarce
 County Status Rare.

Festuca arenaria



07/06/06	NZ4446	Hawthorn Hive	G Young
08-Jul-01	NZ5328	North Gare	Lawrence I.C.
10/08/2013	NZ5354 2870	Seaton Dunes	Martin Allen

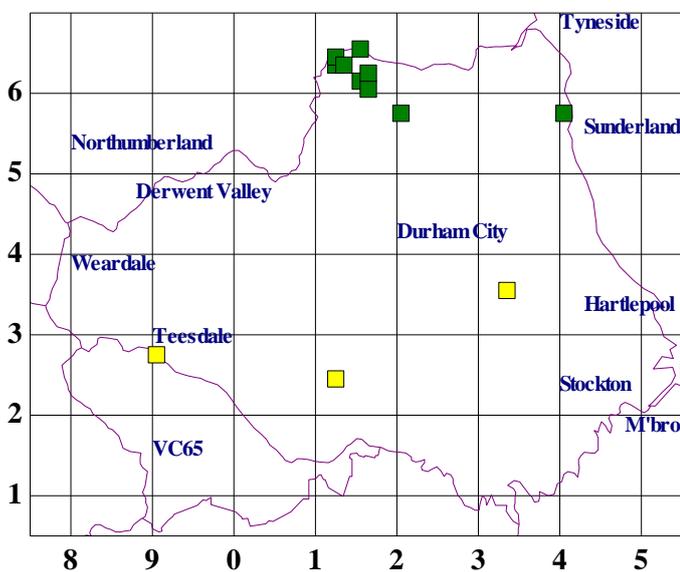
***Filago minima* Small Cudweed**

English Status Near Threatened
 County Status Scarce

This species has a limited distribution, mainly in the Gateshead sand quarries.

14-Jul-09	NZ409571	Hendon Sidings	J L Durkin
12-Sep-07	NZ040454	Waskerley Way	A & G Young
01-Jun-12	NZ205572	Marley Hill former colliery	Janet Simkin
11-Apr-04	NZ1662	Blaydon Quarry	McLay, A
04-Aug-04	NZ1565	Ryton Willows	McLay, A
02-Oct-06	NZ2057	Tanfield Railway Sidings	McLay, A
31-Jul-06	NZ1660	Lilycrook Hill	McLay, A
03-Sep-10	NZ1363 NZ1263	Crawcrook Quarry South	Andy Mclay
08-Jun-11	NZ1264	Crawcrook Quarry north	Andy Mclay
05-Aug-07	NZ1561	Barlow Burn	Andy Mclay
26-Aug-10	NZ1662	Blaydon Quarry: Perimeter Path	Andy Mclay
06-Aug-07	NZ163625	Blaydon Quarry	Karen McArthur
08-May-07	NZ207575	Tanfield Railway Sidings	K McArthur & A McLay

Filago minima



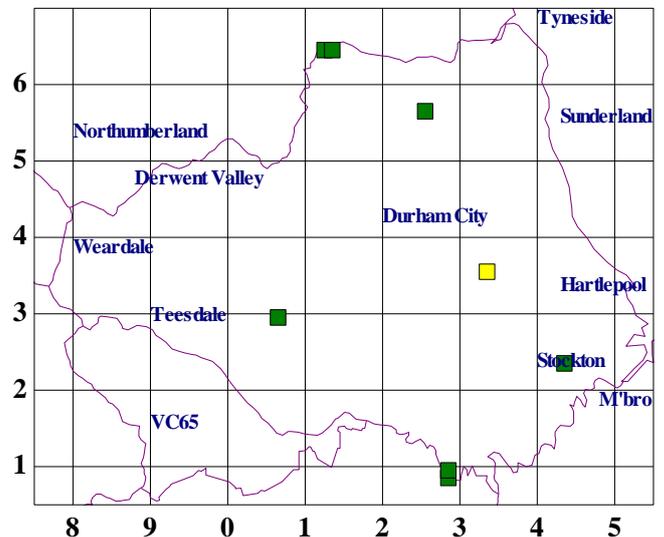
***Filago vulgaris* Common Cudweed**

National Status Near Threatened
 County Status Rare

Very rare in dry sandy places.

1960	NZ0629	Hamsterley Forest	Wanless, T.W.
01-Jul-07	NZ2556	Tyne Yard	Andy Mclay
11-Jul-72	NZ439231	Norton	GGG
24/03/1999	NZ439231	Calf Fallow	Wildflower Ark & Ian Lawrence

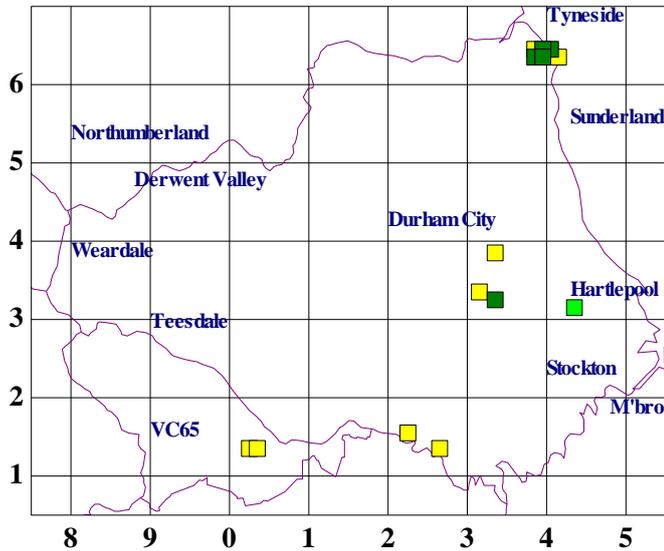
Filago vulgaris



Filipendula vulgaris**Dropwort**

National Status None
 County Status Scarce, declining.

The main sites for this southern species are, perversely, at the northern edge of the magnesian limestone.

Filipendula vulgaris**Frankenia laevis** **Sea Heath**

National Status Near Threatened
 County Status Rare

A single, probably doubtful record from possibly suitable habitat. Needs checking.

Apr 1989	NZ520261	Tioxide	Newell
----------	----------	---------	--------

Fumaria purpurea**Purple Ramping –Fumitory**

National Status Scarce
 County Status Extinct

No recent records.

11/08/09	NZ332327	Bishop Middleham Quarry SSSI	J L Durkin
29/07/10	NZ387635	Cleadon Waterworks	Julia Quinonez
14/09/93	NZ433312	Crookfoot Reservoir	Lowe, C.J.
1999	NZ4064	Marsden Grotto, S of.	Boyce, R.
2011	NZ395643	Marsden Old Quarry	Matt Hawking
2011	NZ404644	Rocket Green	Matt Hawking
18-Aug-05	NZ39606377	South Shields Golf Course	HS/FC for E3 Ecology

Galeopsis angustifolia **Red Hemp-nettle**

National Status Critically Endangered
 County Status Extinct

No recent records.

Genista anglica **Petty Whin**

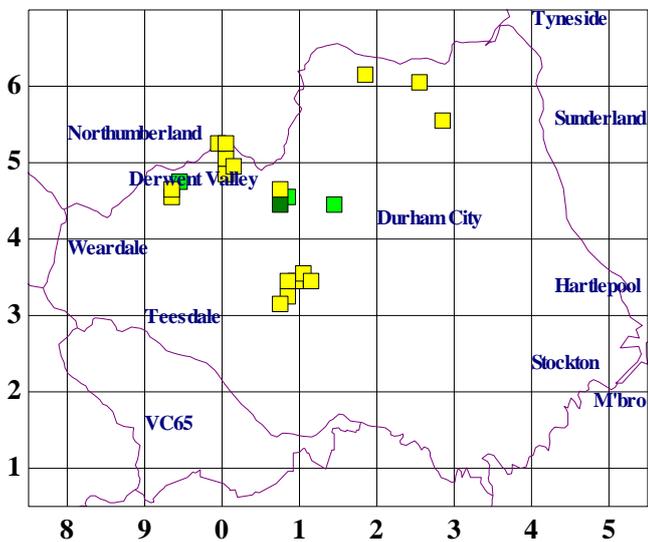
National Status Near Threatened
 County Status Scarce

On the road verges of the lower heather moors, between Bedburn and Wolsingham and at Muggleswick and Stanhope Commons.

Formerly more widespread, the map shows a very strong decline. The only recent record is in a Small Pearl Bordered Fritillary conservation site.

19/05/14	NZ072444	Burnhill	Dave Liddle
21/05/99	NY941471	Baxton Law verge	McCutcheon D.E.
Feb-94	NZ0845	Stuartfield Moor LWS 1.24	Valerie Standen
Jul-91	NZ144447	Ragpath Heath LWS 1.25	V Standen
1989	NZ145448		Dunn, T.C.

Genista anglica

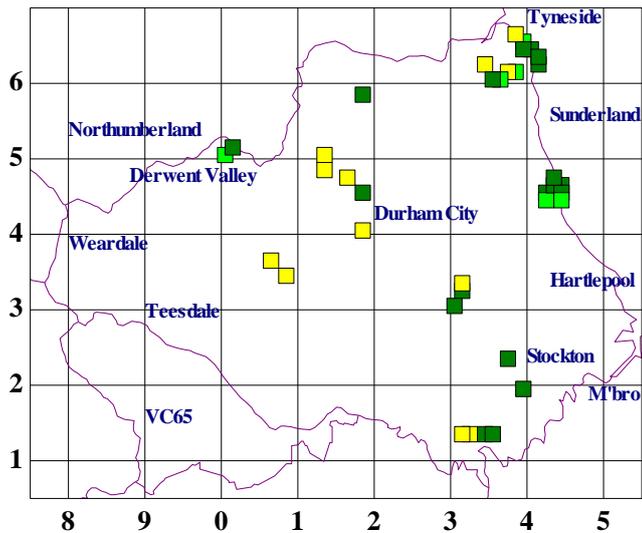


Genista tinctoria Dyer's Greenweed

English Status Vulnerable
County Status Scarce

Mainly on the magnesian limestone, and especially at the coast. There are also a few sites in the Derwent Valley.

Genista tinctoria



02-Aug-00	NZ013517	Powhill Country Park	A & G Young
Jul-96	NZ014515	Pow Hill Meadow CWS	Graham, GG & PS, Stobbs, J
30/05/07	NZ016513	Pow Hill Meadow CWS	Andy Mclay
11-Jul-13	NZ1807258758	Gibside	Phil Younger
27-Jun-08	NZ1845	Malton Nature Reserve	CNFC
10/06/07	NZ31653272	Thristlington, compartment 4	A & G Young
2000	NZ349134	The Whinnies	David Green
10-Jul-07	NZ349138	The Whinnies	DTNFC
19-Jul-05	NZ3513	Oak Tree	DTNFC
Aug-05	NZ35536064	Turner's Hill LWS	E3 Ecology
1997	NZ362602	Quarry Hill, West Boldon	DWS
1987	NZ3761	Boldon Pastures SSSI	Natural England
01/08/02	NZ377236	Stillington LNR	Pat Wood
1995	NZ381615	Boldon Flats	J L Durkin
2004	NZ3919	Briarcroft Pasture SSSI	Natural England
02-Aug-05	NZ3964	Marsden (Old Hall) Quarry, LNR	J L Durkin
1995	NZ397657	Marsden Cliff	J L Durkin
30-Jul-11	NZ401648	Marsden Cliff	Jim Bowyer
12-Aug-05	NZ411637	Byer's Hole	J L Durkin
15-Jun-11	NZ413628	Jackie's Beach, Whitburn	Matt Hawking
04-Aug-10	NZ436474 NZ436476 NZ436477 NZ437471	Nose's Point	A & G Young
19-Jul-14	NZ4245	Hawthorn Dene meadow	Judith Dyke
15-Jun-11	NZ439461	Hawthorn Dene meadow	J L Durkin
29-Jun-08	NZ439463	Hawthorn Quarry	A & G Young
29-Jun-08	NZ44154612 NZ44174625	Hawthorn Hive	A & G Young
02/05/10	NZ4445	Hawthorn Hive	J L Durkin
30-Apr-11	NZ440460	Hawthorn Hive	J L Durkin
04-Jun-11	NZ4446	Chourdon Bay	J L Durkin
07-Jul-12	NZ438469	Chourdon Gill	J L Durkin

Gentiana verna Spring Gentian

National Status Least Concern/Rare
 English Status Vulnerable
 County Status Scarce

In short grazed turf on limestone, upper Teesdale.

County Durham, famously, has a significant proportion of the national distribution of this species.

Conservation- Most of the sites are in the Upper Teesdale Nature Reserve or in adjacent SSSIs.

05/06/93	NY781353	Crook Burn	GGG
	NY781354		
	NY782344		
26/06/93	NY781336	Herdship Fell	GGG
	NY781334		
	NY781343		
	NY780333		
05/06/93	NY782341	Herdship Fell	GGG
	NY782343		
	NY782341		
	NY783344		
2009	NY811337	Herdship	Natural England
28/05/93	NY805314	Pikestone Hurth	GGG
2009	NY808339	Hill End	Natural England
26/06/93	NY810310	Cow Green	GGG
1995	NY813303	Cow Green	Stephen Willis
	NY81453026		
26/06/93	NY814312	Long Band	GGG
26/06/93	NY814312	West Common	GGG
26/06/93	NY815312	West Common	GGG
28/05/93	NY815308	Cow Green	GGG
21/05/08	NY815306	Cow Green Nature Trail	A & G Young
	NY81682997		
08/05/12	NY816301	Cow Green	iSpot
21/05/08	NY817296	Widdybank enclosure	A & G Young
1995	NY8172973	Widdybank enclosures	Stephen Willis
	NY81762985		
28/05/93	NY818308	Cow Green	GGG

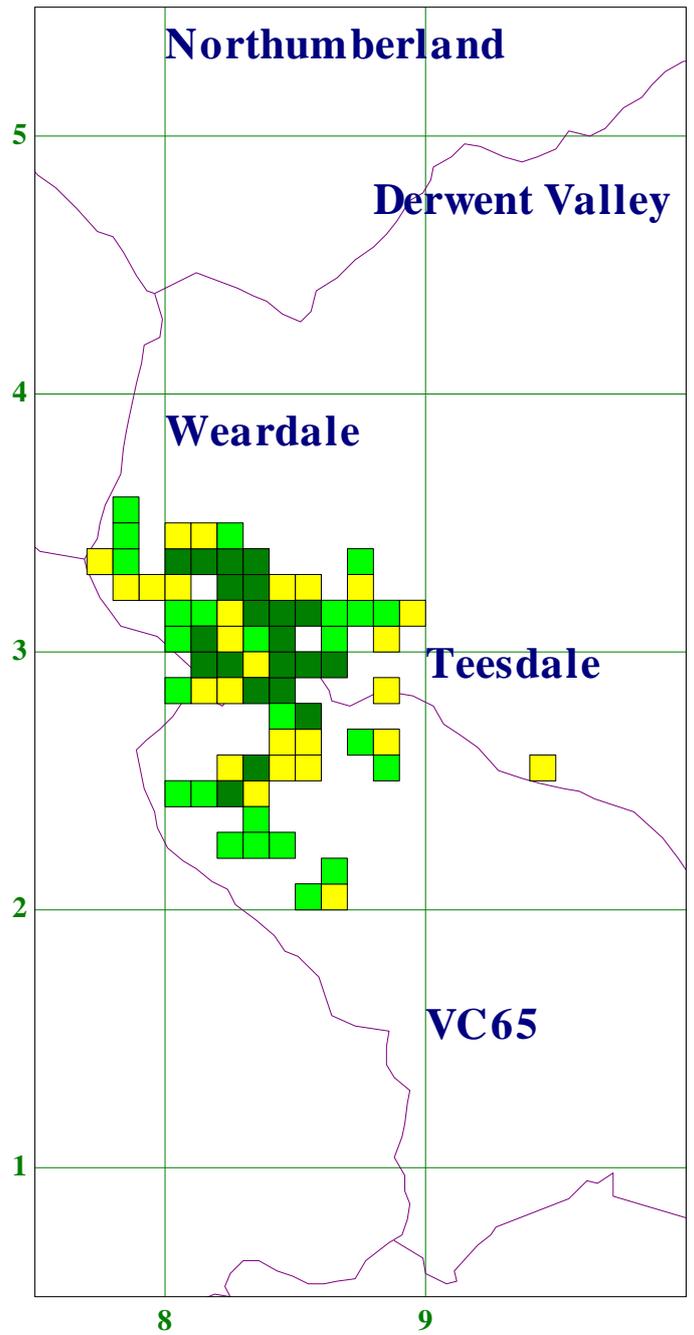
06/06/93	NY819309	The Knott	GGG
15/09/09	NY824295	Above Wild Scar	M Schober
17/06/93	NY829332	Langdon	GGG
	NY830330	Common	
12/06/93	NY829334	Langdon	GGG
	NY831333	Common	
	NY831334		
12/06/93	NY829333	Birk Sike	GGG
2009	NY83003318	Tarnhole Edge	Natural England
02-Jul-93	NY8229	Widdybank Fell	Wood DC
03-Jul-09	NY8331	Widdybank Fell	Schober M
2009	NY844309	Widdybank Pasture	Natural England
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon D.E.
2009	NY844313	Langdon Beck	Natural England
1993	NY833333	Langdon Common	GGG
	NY836331		
	NY838331		
04-Jul-09	NY844309	Sand Sike	J O'Reilly
06/06/93	NY838309	Sand Sike	GGG
2009	NY82633236	Harwood	Natural England
	NY83303288		
	NY82933330		
11/06/93	NY844314	Harwood Beck	GGG
11/06/93	NY827325	Harwood Beck	GGG
2009	NY847296	Cetry Bank	Natural England
	NY847297		
12/07/06	NY8529	Harwood Beck	G Young
30-Jul-09	NY852312	Langdon Beck	Schober M
06/06/93	NY854314	Old Folds	GGG
12-Jul-06	NY860295	Tees, 50m up-river past gate	A & G Young
12/06/93	NY861295	Haugh Hill	GGG
1993	NY862314	High Hurth Edge	GGG
	NY865312		
1993	NY866308	Middle Hurth	GGG
1993	NY870312	High Hurth	GGG
1993	NY871313	High Hurth	GGG
28/05/94	NY886310	High Beck Head	GGG



Photographed in County Durham
by UKWildflowers.com



Gentiana verna



Gentianella amarella

English Status Near Threatened
 County Status Occasional/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list. (75)

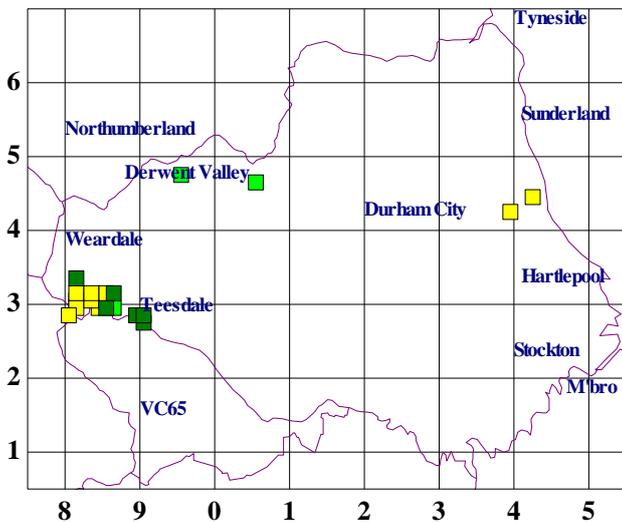
Gentianella campestris
Field Gentian

English Status Endangered
 County Status Scarce

Mostly in Teesdale, with two sites in the Derwent Valley and old records on the magnesian limestone.

09/07/00	NY817298	Widdybank Fell	M Atkinson
12 Aug 09	NY81997 33466	Between Force Foot and Rigg Side	John O'Reilly
10 Aug 96	NY956478	Boltshope Park	Mccutcheon, D.E.
21 Jul 97	NY8629	Cronkley Bridge	McCutcheon, D.E.
09 Aug 09	NY818332	Harwood Beck	Andy Mclay
28 Jun 08	NY859296	Harwood Beck, steep bankside	John O'Reilly
03/08/08	NY8549 3003	Saur Hill Bridge	L Robinson
28 Jun 08	NY8590 2970	Haugh Hill	John O'Reilly
	NY8587 2972		
	NY8588 2969		
	NY8589 2971		
	NY8588 2971		
	NY8589 2970		
16 Jul 97	NZ0546	Honey Hill	McCutcheon, D.E.
19 Jun 03	NY8631	Langdon Beck	Schober, Marie
29 Jul 08	NY897282	Tees bank between Wynch Bridge and Holwick Head	O'Reilly, John
29 Jul 08	NY901280	Tees bank upstream of Low Force	John O'Reilly

Gentianella campestris

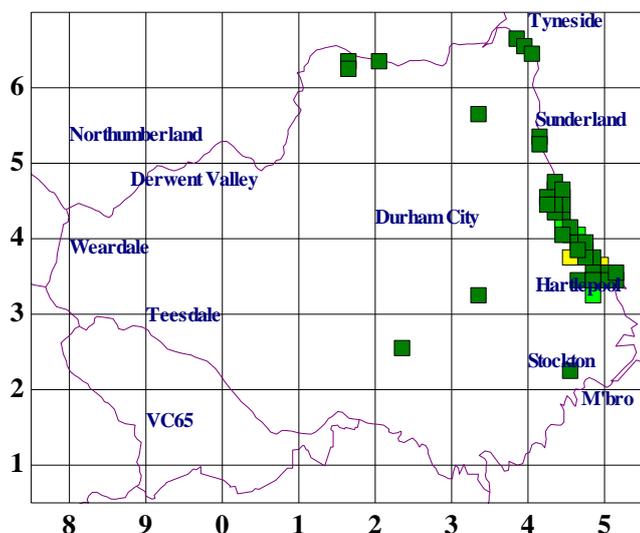


Geranium sanguinum
Bloody Cranesbill

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Almost all sites are along the coast, with occasional sites on sandy inland sites and inland magnesian limestone. Sites are too many to list.

Geranium sanguinum



Geranium sylvaticum **Wood Cranesbill**

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Gnaphalium sylvaticum
Heath Cudweed

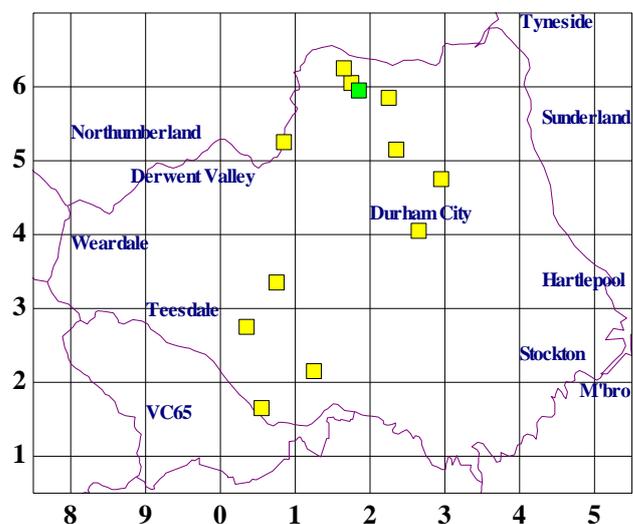
National Status Endangered
 County Status Rare

Rare and severely declining, on sandy soils.

Formerly abundant at Owlet Hill, but probably extinct there now.

25/09/77	NZ072336	Blackburn Lodge	Burnip, Mrs M.
07/11/74	NZ161621	Burn Hills	Groom, R.E.
01/10/77	NZ294472	Finchale Priory	Moses, Mrs P.
05/08/77	NZ030279	High Acton	Lear, Mrs B.
1997	NZ181598	Owlet Hill	Durkin, J.
1988	NZ178605	Thornley Wood	Groom, R.E.
10/09/77	NZ236515	Hett Hills	McCallum Webster M

Gnaphalium sylvaticum



Groenlandia densa
Opposite-leaved Pondweed

National Status Vulnerable
 County Status Rare

2007	NZ3124	Preston-le-Skerne	Faber Maunsell
21/10/71	NZ318267	Swan Carr	GGG

Gymnocarium dryopteris
Oak Fern

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. It is typically found near waterfalls in ancient woodland in the west of the county. Sites are too many to list (40).

Gymnocarpium robertianum
Limestone Oak Fern

National Status Scarce
 County Status Very Rare

On an old mine wall in Swinhope, Weardale, covering about a square metre.

The Weardale site is one of the northernmost British locations for this fern.

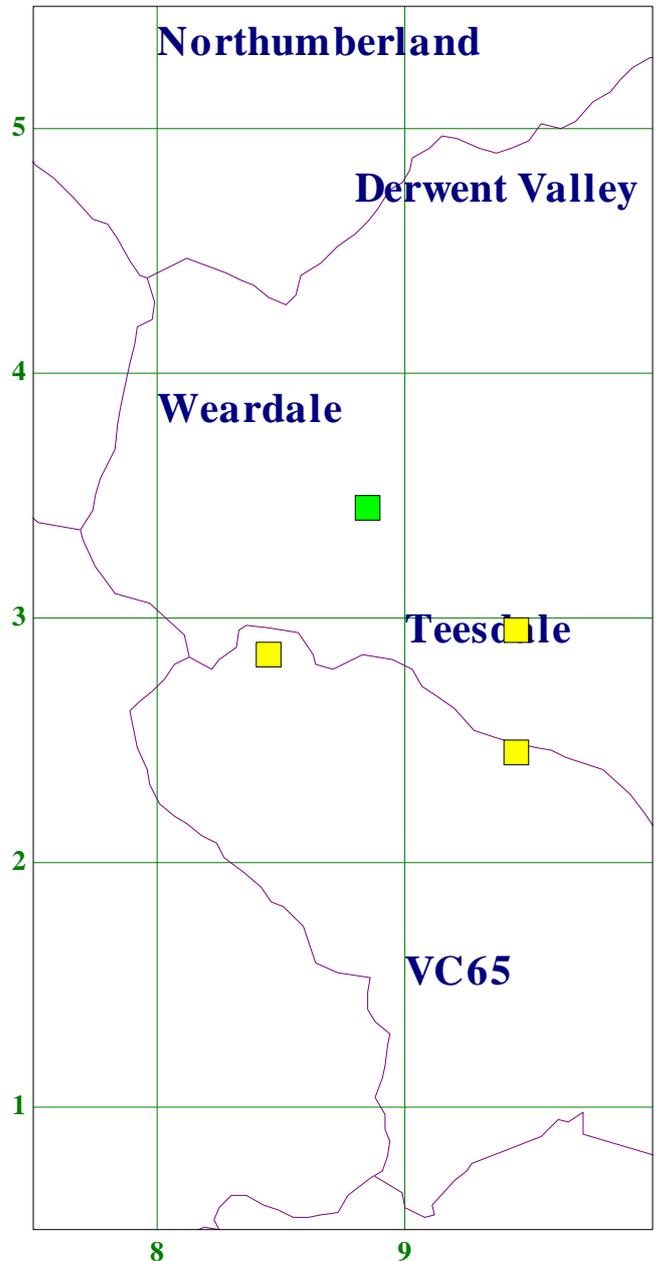
There is a 1969 record from Middleton Quarry, which needs investigating.

There is an old record from Hudeshope Beck- "limestone cliffs on the banks of the stream that runs into the Tees at Middleton" 1868 Baker and Tate.

It was seen in the county in 1920 by G W Temperley and R B Cooke, but no locality was given.

28/06/05	NY885342	Swinhope Moor LWS	John Liam Durkin
1868	NY9429	Hudeshope Beck	Baker and Tate
1969	NY948245	Middleton Quarry SSSI VC65	Unknown
1863	NY82P	Cronkley Fell, VC65	Brown, W H
1855	NY8228	Falcon Clints	Thomas Moore

Gymnocarpium robertianum



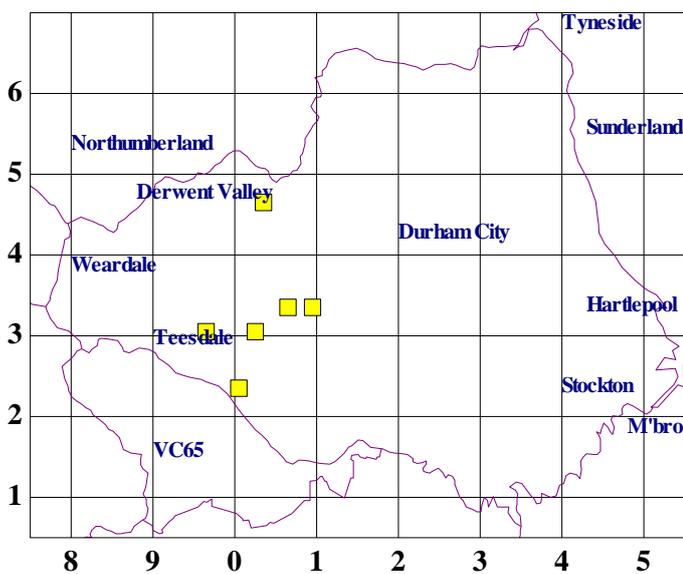
Hammarbya paludosa
Bog Orchid

English Status Vulnerable
 County Status Very Rare

Very rare in the west of the county, not seen since 1967, though there are recent records nearby in VCs 65 and 67.

1867	NY969304	Banks of the Eggesburn near the Manor Gill Lead Mine	Baker and Tate
1942	NZ0023	Eggleston	Harrison, J.W.Heslop.
1810	NZ0230	Sharnberry Gill	Binks, Mr J.
1967	NZ0346	Muggleswick Common CWS	Rev. J.W. Fawcett
1903	NZ05A	Edmundbyers	Featherstonehaugh, Rev. Walter
1843	NZ0633	St John's	J Backhouse Snr
1868	NZ0933	Dryderdale	Baker and Tate

Hammarbya paludosa



Helianthemum nummularia
Rockrose

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Helianthemum oelandicum levigatum
Teesdale Rockrose

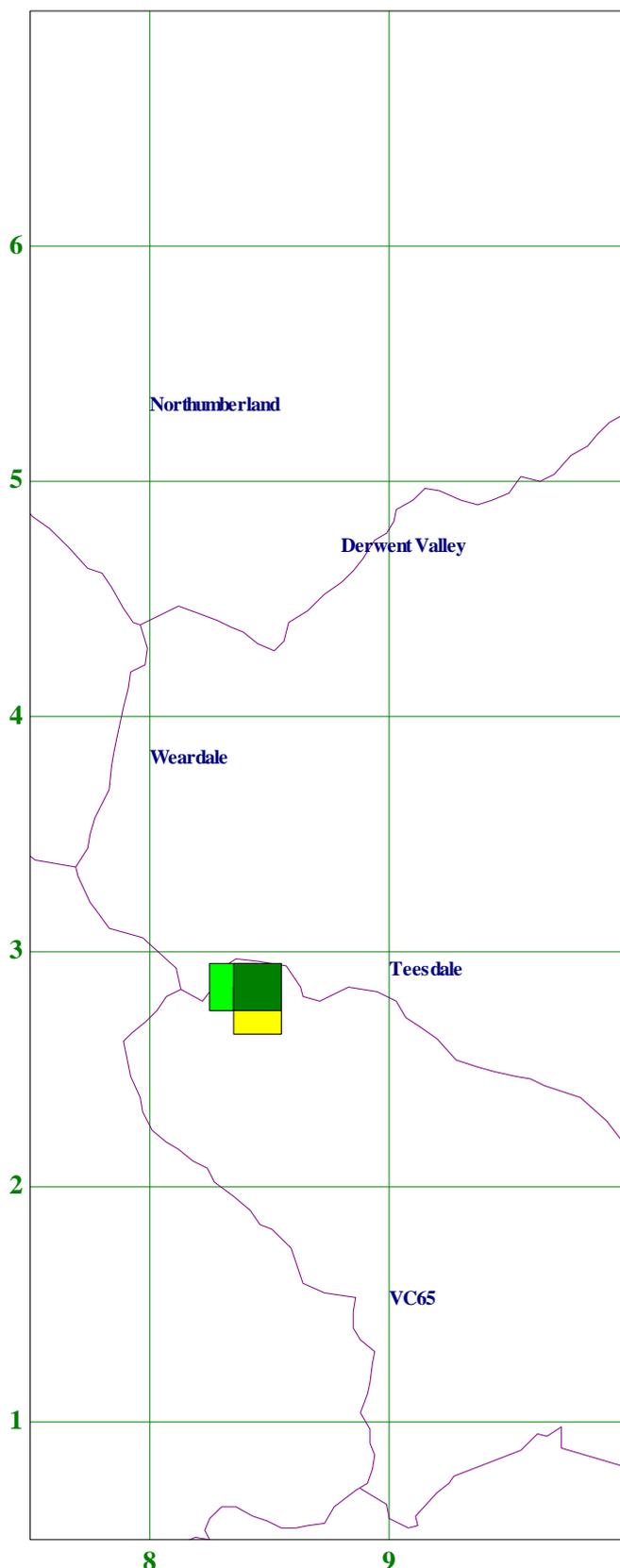
National Status Vulnerable
 County Status Rare

VC65 only. Limestone outcrops on Cronkley Fell, at 535 metres, now mostly in “exclosures”, with a few plants nearby. This is all of the distribution of this subspecies.

Conservation- The sites are all in the VC65 part of the Upper Teesdale National Nature Reserve.

22/06/05	NY842283	Cronkley Fell enclosure	Wild Flower Society
22/06/99	NY848283	Cronkley Fell enclosure	Jones, Vincent
1993	NY838282	White Well Green	Findlay, I.
1992	NY849284	Cronkley Knoll	Findlay, I.

Helianthemum oelandicum* subsp. *levigatum



Photographed in Teesdale by UKWildflowers.com

***Helleborus foetidus* Stinking Hellebore**

National Status Scarce
 County Status Probably hortal

“Scarce Plants in Britain” and the “New Atlas” say that this species is not native north-east of the Wirral-Thames line. It is, though, long established at several sites on the banks of the Tees at Whorlton. The other sites are definitely “hortal” records, either planted or garden escapes.

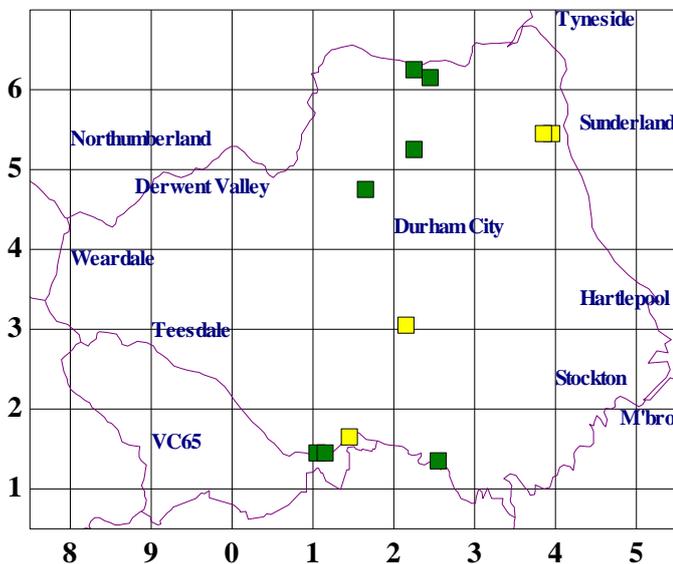
15/06/05	NZ164473	Lanchester Way, on wall opposite the old station	A & G Young
06/05/13	NZ240613	Norwood Nature Reserve	J L Durkin
March 2014	NZ224621	Dunston railway embankment	A J Richards
01/07/11	NZ2252	West Pelton	J L Durkin
1997	NZ110145	Whorlton	Sykes, M.
10/04/93	NZ106146	Whorlton Banks CWS 6.12	Graham, Rev G.G.
10/03/92	NZ105146	Whorlton Banks CWS 6.12	Burnip, M.

***Hippocrepis comosa* Horseshoe Vetch**

National Status None
 County Status Rare

May 1994	NZ5223	BASF plc site	P. Chester
08/06/08	NZ43Y	Crimdon Dene	John O'Reilly
17/08/11	NZ465396	Blackhall Rocks	Andy Mclay

Helleborus foetidus



***Hippophae rhamnoides* Sea Buckthorn**

National Status Scarce
 County Status Frequent planted/hortal

Introduced, widely planted on the coast and by the estuaries.

“One thousand buckthorns were planted at Seaton Carew by Charles Carter, captain of the Golf Club” about 1929, Hornby 1974. This is still the largest site for this plant in the county. Efforts are being made to control its dominance at this site.

Hieracium Hawkweeds

This account follows "The Atlas of British and Irish Hawkweeds" 2011. Most of the records are from herbarium specimens.

Hieracium taxa are difficult to determine, and have rarely been recorded in the county. All records, of any date, are included here.

The absence of recent records is more likely to be due to lack of recording than to the extinction of these taxa.

Hieracium bakeranum
Baker's Hawkweed

National Status Endangered
English Status Endangered
County Status Extinct

Sep 1859	NY8928	River Tees, south side upstream of Winch Bridge (VC65)	Baker J.G.
----------	--------	--	------------

Hieracium caesiopilosum

National Status Least Concern
English Status Endangered
County Status Rare

03/07/1953	NY82	Langdon Beck	D. McCosh database
------------	------	--------------	--------------------

Hieracium crebridens
Chapel-le-Dale Hawkweed

National Status Vulnerable
English Status Least Concern
County Status Rare

1922	NY903280	River Tees at Winch Bridge	Robinson, F.
23 Jul 1908	NY9027	Winch Bridge, south side	Foggitt, Thomas J
1922	NY9027	Winch Bridge	Anon

Hieracium integratum
Toothless Hawkweed

National Status Endangered
English Status Critical
County Status Rare, probably introduced here.

31/05/06	NZ537273	Teesside	Vince Jones
----------	----------	----------	-------------

Hieracium iricum
Erin Hawkweed

National Status Least Concern
English Status Endangered
County Status Rare

22/06/2005	NY862294	Cronkley Bridge	Wild Flower Society
1867	NY8228	Falcon Clints, east	Baker and Tate
	NY8128	Falcon Clints, west	
	NY9027	Winch Bridge	
1844	NY8531	Langdon Beck bridge, near	Baker and Tate
22 Jun 1996	NY92D	Winch Bridge, south side (VC65)	Jones, Vincent
15 Jun 1998	NY92M	Middleton in Teesdale	Baker, Neil
14/08/1956	NY92	Below Ettersgill	D. McCosh database
02/08/1996	NY861296	Hough Hill bank	V Jones

Hieracium peccense

Peak Hawkweed

National Status Vulnerable
English Status Least Concern
County Status Rare

03/07/1953	NY854313	Langdon Beck	D. McCosh database
25/06/2002	NY8608 2957	Confluence of Tees and Langdon Beck	V Jones

Hieracium pycnotrichum Dense-leaved Hawkweed

National Status Extinct
County Status Extinct
County Status Extinct

05 Aug 1876	NZ2029	Bishop Auckland	Soutter, J.P.
-------------	--------	-----------------	---------------

Hieracium stenopholidium

National Status Least Concern
English Status Near Threatened
County Status Rare

03/07/1953	NY854313	Langdon Beck	D. McCosh database
------------	----------	--------------	--------------------

Hieracium sublasiophyllum

National Status Near Threatened
English Status Near Threatened
County Status Rare

04/07/1953	Falcon Clints	NY813283	D. McCosh database
11/07/1997	Falcon Clints	NY8228	V Jones

Hordelymus europaeus Wood Barley

National Status Scarce
County Status Scarce

Scarce in ancient woodlands, by the Tees around Barnard Castle, the Wear around Bishop Auckland, and the Derwent around Rowland's Gill.

Most sites for this grass consist of a single clump, of a few square metres. Bellburn Wood and Gibside West Wood have patches of about ten square metres. Deepdale is the best site in VCs 65 to 68, with hundreds of plants over several hectares in two kilometres of the wood.

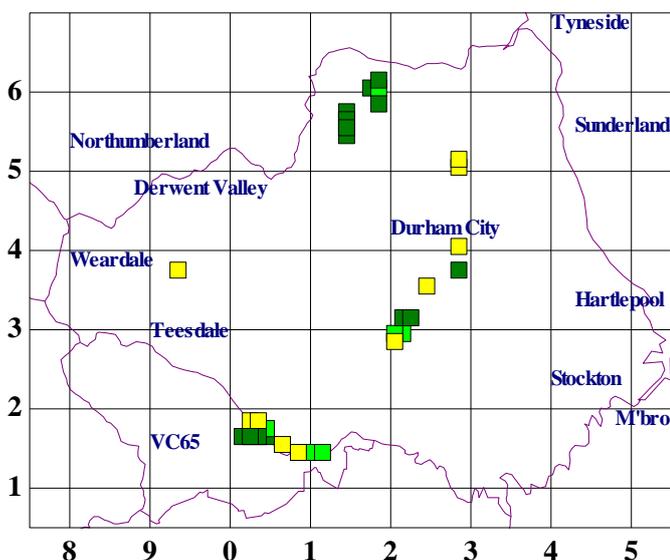
Though this grass is usually described as liking basic soils, some of the Derwent Valley sites are fairly acidic, and in Lands Wood one of the patches is in bilberry. Lands Wood is one of the northernmost British locations for this grass. The Lands Wood Woodland Trust site is being eliminated by strimming.

There are no records yet for Brignall Banks, VC65, which seems to be a likely site given its proximity and similarity to Deepdale.

Conservation

While most of its sites are in LWSs, only one is in an SSSI.

Hordelymus europaeus



07/06/10	NZ2231	Bellburn Wood	A McLay
13/08/97	NZ2029	Bishop Auckland	Graham, P.S.
13/08/97	NZ217293	Bracket Wood	GGG
Jul-97	NZ218294	Brack's Wood LWS 3.47	Wharton, S.
01/05/00	NZ1457	Chopwell Crag	J L Durkin
Aug 2012	NZ031163	Deepdale Wood VC65	J L Durkin
	NZ032163		
	NZ033164		
	NZ034164		
	NZ03571 16521		
	NZ01508 16317		
May 2013	NZ01542 16293		
	NZ0150 1629		
Feb 2014	NZ033168	Ray Gill Wood VC65	J L Durkin
June 2013	NZ030168		
20/08/13	NZ04653 16924	Flatts Wood	J L Durkin
31-Jul-94	NZ0417	Flatts Wood	DTNFC
18/08/91	NZ046168	Flatts Wood	Sykes, M.
26-Jan-08	NZ180581	Gibside, West Wood	John Liam Durkin
15/10/15	NZ1810 5956	Gibside, Snipes Dene	John Liam Durkin
15/10/15	NZ1810 5955	Gibside, Snipes Dene	John Liam Durkin
10/10/15	NZ18108 61208	Lands Wood (farmer)	John Liam Durkin
10/10/15	NZ18230 61213	Lands Wood (Wland Trust)	John Liam Durkin
10/10/15	NZ18350 61061	Lands Wood (J LDurkin)	John Liam Durkin
01/05/05	NZ179603	Paddock Hill Wood	John Liam Durkin
01-Jul-05	NZ1456	Pont Burn Wood WT Comp't 2B	John Liam Durkin
24/03/09	NZ148558	Pontburn Wood, WT Comp't 3D	John Liam Durkin
05/10/15	NZ17871 60784	Thornley Wood	John Liam Durkin
15/04/06	NZ2131	Vinovia	J & C O'Reilly
29/07/14	NZ289370	Tursdale Wood	M Birtle
29/07/14	NZ28579 57264	Tursdale Wood	F Sarker
21-Jul-98	NZ106146	Whorlton	Sykes, M.
Jul-99	NZ107146	Whorlton	Kay, G.M.
Jul-94	NZ109147	Whorlton	Peacock, H
05/08/97	NZ110145	Whorlton	Sykes, M.

***Hordeum marinum* Sea Barley**

National Status Vulnerable
 County Status Rare

Recorded on the coast in the south of the county.

1939	NZ4639	Blackhall Rocks	Temperley, G W and JW HH
1939	NZ5130	Seaton Carew	Temperley, G W and JW HH
17/09/06	NZ52J	Seaton Carew	DYNFC

***Hydrocharis morsus-ranae* Frogbit**

National Status Vulnerable
 County Status Rare/extinct

Formerly abundant at Ryton Willows SSSI, particularly in the Curling Pond, but dying out around 2000, possibly shaded out by total coverage of *Lemna minuta*. This was its northernmost British native site. Still present at some nearby sites, including garden ponds, to which plants had been transferred. The introduction at Thornley Woods died out.

The other sites are hortical.

Conservation- The former Ryton Willows site is an SSSI.

22-Jul-91	NZ152650	Ryton Willows	Rutherford S
1996	NZ155649	Ryton Willows	Durkin J
24/09/90	NZ177605	Thornley Wood	Westerberg S
25/06/13	NZ353622	Boldon Colliery Wood Pond	J L Durkin
09-Jul-07	NZ337655	Jarrow	Andy Mclay
19/09/07	NZ383423	Pesspool Wood	John O'Reilly
05/03/93	NZ408153	Carter Moor	Scaife, R W

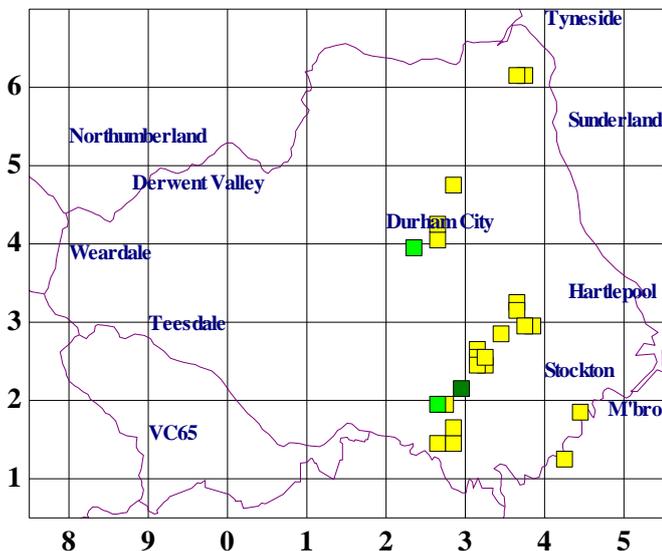
***Hottonia palustris* Water Violet**

English Status Vulnerable
 County Status Rare

Formerley more widespread, mainly in the River Skerne catchment, now much rarer.

Sep-96	NZ238393	Brandon	Stobbs, J.H.
1990	NZ268190	Burtreee Gate Marsh	Green, D.
14-Jun-05	NZ2921	Brafferton	DTNFC

Hottonia palustris



Hydrocotyle vulgaris
Marsh Pennywort

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Hyoscyamus niger **Henbane**

National Status None
English Status Vulnerable
County Status Scarce

There are no recent records.

1973	NZ378546	Barnes Park	Hall, D.
09 Jul 1968	NZ290143	Darlington	Durham Flora
25 Aug 1979	NZ496360	Hart Warren	Appleyard P.R.
22 Sep 1988	NZ516329	Hartlepool	Appleyard P.R.
1973	NZ378546	Silksworth	Hall, D.
1971	NZ391387	Wheatley Hill	GGG

Hypericum montanum
Pale St John's Wort

National Status Near Threatened
 County Status Scarce

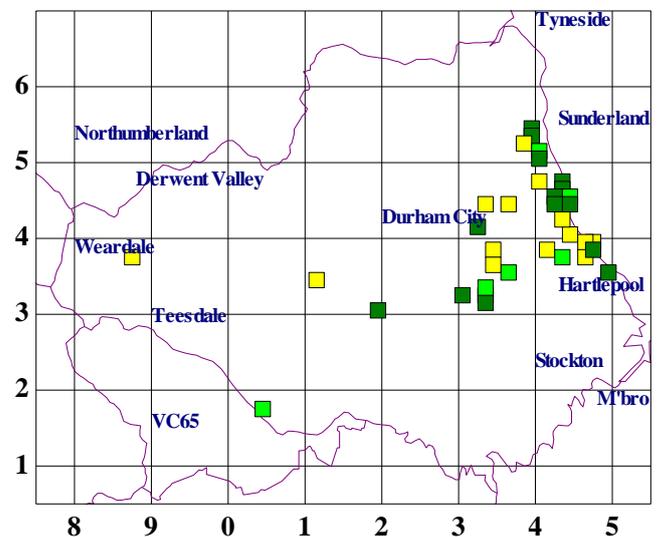
Scarce in rough grassland, scrub and open woodland, mainly on the magnesian limestone, but also in the dales.

There has been a considerable decline, as can be seen from the map. Perhaps, though, it is slightly under-recorded.

Jun-91	NZ049174	Flatts Wood LWS 6.36	Valerie Standen
27/09/07	NZ190300	Escomb Pastures	Cunningham K
13-Jun-98	NZ332337	Fox and Hounds	DWT Hedges Survey
09/07/11	NZ33293254	Bishop Middleham Quarry	John Durkin
	NZ33283260		
	NZ33083270		
	NZ33093259		
21/02/07	NZ337314	Island Farm	Andy Mclay
	NZ338316		
1993	NZ361395	Trimdon Quarry	G Pickerell
1999	NZ390544	Tunstall Hills	Boyce, R.
13/07/10	NZ395538	Tunstall Hills	A McLay
28/08/93	NZ407517	Ryhope Dene	GGG
20/06/96	NZ4347	Horden coast	GGG
13/06/98	NZ436379	Hesleden	Dines, T.
22/06/11	NZ42949	Hawthorn Dene	J L Durkin
	45444		
29-Jun-08	NZ4387 4639	Hawthorn quarry	A & G Young
21/07/95	NZ4444	Easington Colliery Coast	G and A Young
17/08/11	NZ475382	Cross Gill	A McLay
2009	NZ4935	Hart Warren	Martin Allen
		Railway Embankment	
20/11/08	NZ300329	The Carrs	Alison Hiles
26/07/07	NZ329418	Sherburn Quarry	Alex Staddon



Hypericum montanum



Imperatoria ostruthium **Masterwort**

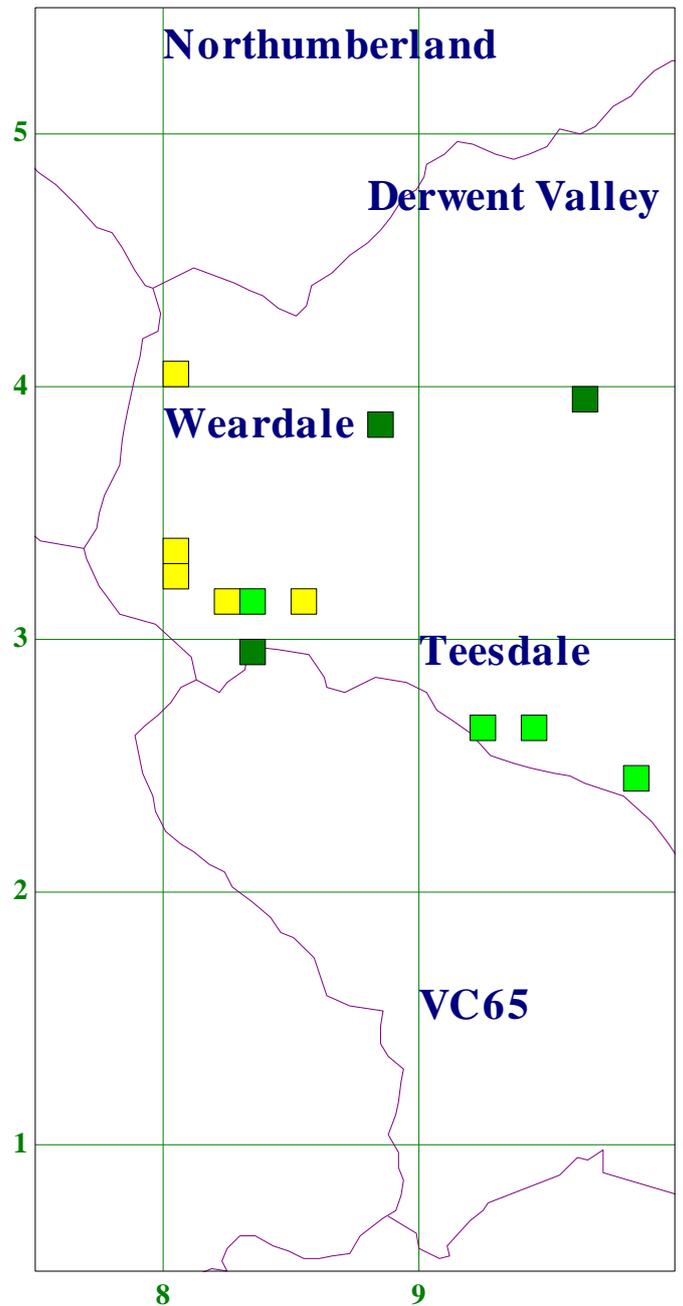
National Status Near Threatened
 County Status Occasional

Well known at a number of Teesdale sites,
 and more sparsely in Weardale.

03/05/11	NY968397	East Bewdley	A McLay
04/07/14	NY8316 3128	Peghorn Lodge	BSBI trip
May 2007	NY83Z	St John's Chapel riverside	John Durkin
Oct 1993	NY982244	Toby Hill Farm	Porter, M.S.
1993	NY929262	Upper Teesdale	GGG
21/06/05	NY838298	Widdybank Farm	Wild Flower Society



Imperatoria ostruthium



Iberis amara

Wild Candytuft

National Status Vulnerable
 County Status Hortal

As a casual on river banks, quarries, railways.
 Most records are probably *Iberis umbellata*.

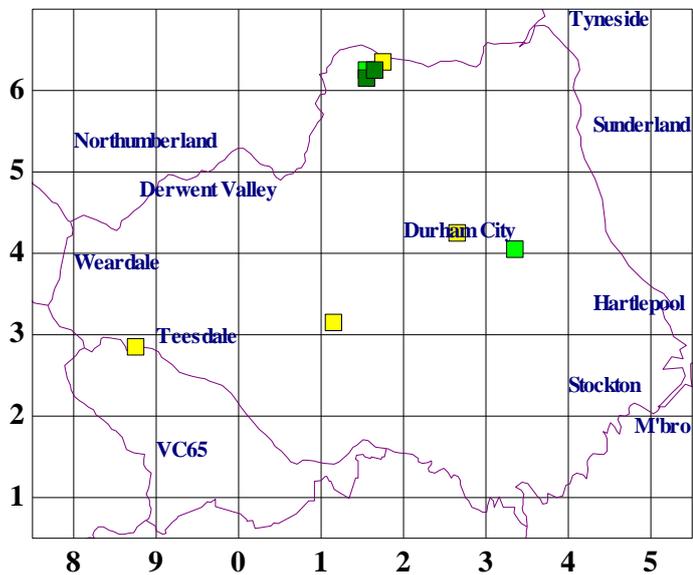
***Jasione montana* Sheeps Bit**

English Status Vulnerable
 County Status Very Rare or extinct.

Formerly more widespread, more recently restricted to a small area of Burnhills and Blaydon Quarrys. Appears to be gone from Burnhills Quarry. The most recent record is of a single flower at Blaydon Quarry.

15-Sep-96	NZ1561	Burnhills sand quarry	Mccutcheon, D.E.
1996	NZ162622	Burnhills sand quarry	John Liam Durkin
04-Aug-94	NZ164624	Blaydon Quarry	Bowey, K.
26-Aug-10	NZ1652062383	Blaydon Quarry Perimeter Path	Andy Mclay

Jasione montana



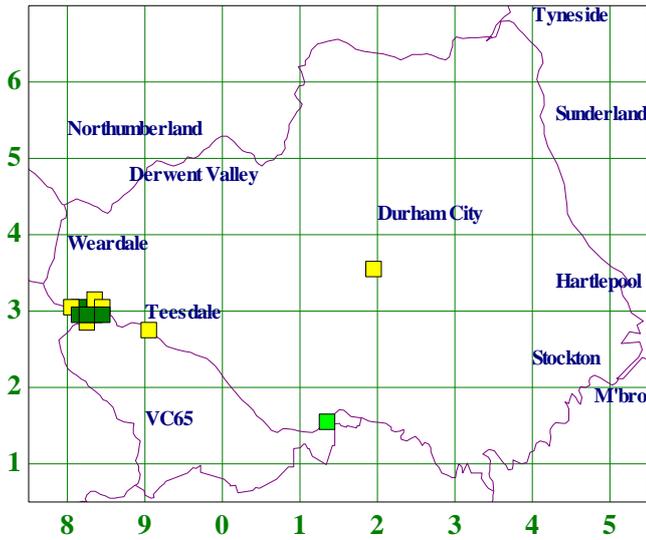
Juncus alpinoarticulatus Alpine Rush

National Status Scarce
 County Status Rare

Basic flushes in Upper Teesdale, mainly at Widdybank, but also downstream to NZ11.

Conservation- Most of the sites are in the Upper Teesdale Nature Reserve.

Juncus alpinoarticulatus

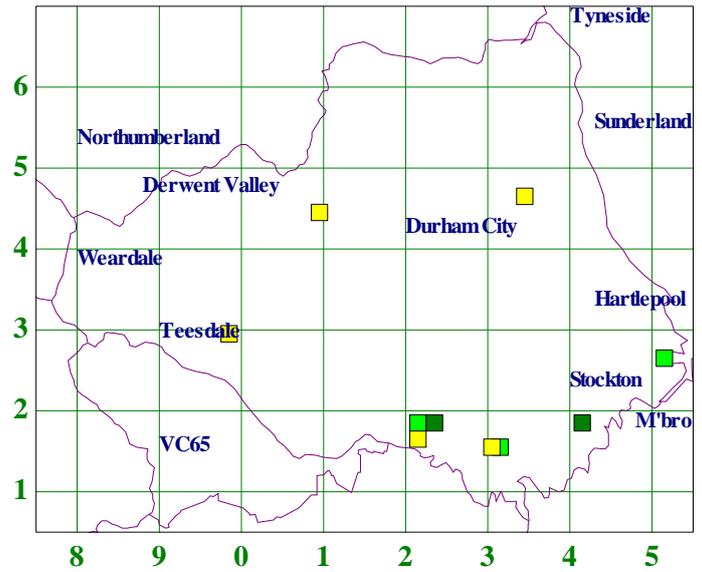


Juncus compressus
 Round-fruited Rush

National Status None
 English Status Vulnerable
 County Status Scarce, declining.

Often recorded for *Juncus gerardii* by mistake. Mostly on road verges and hence not in protected sites.

Juncus compressus



21/08/11	NY816294 NY816295	Widdybank	M Wilcox
2009	NY849296	Cetry Bank	Natural England
21-May-08	NY81483041	Slapestone Sike	A & G Young
06/08/97	NZ137155	Stony Bank	Sykes, M.
01-Jul-06	NY8229	Widdybank Fell	Wood, D& Woods, M
2008	NY837299	Widdybank Pasture	Jeremy Roberts

10-Jul-95	NZ210180	Denton	Wharton T.S.
08/08/14	NZ236187	Walworth	C J Lowe
1995	NZ310152	Stockton and Darlington Railway Track, Western Marsh	David Green
1997	NZ517263	Tioxide	Physalia Ltd.
1997	NZ517263	Tioxide	Physalia Ltd.
28/07/99	NZ410182	Yarm Back Lane	Wildflower Ark & Ian Lawrence
27/04/14	NZ4101 218111	Yarm Back lane	Martin Allen

Juncus x alpiniformis

1931	NY82J	Widdybank	Druce, Mr G.C.
Oct 2012	NY832359	Cutthroat Moss	Valerie Hack

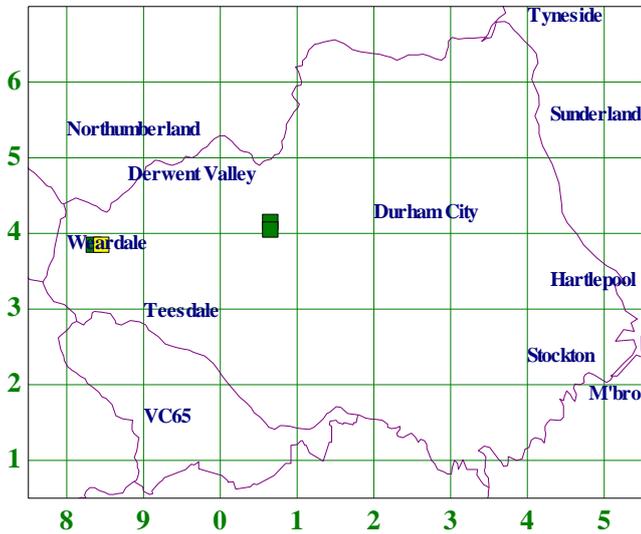
Juncus filiformis

Thread Rush

National Status Scarce
 County Status Scarce

Shores of upland reservoirs, gradually spreading.

Juncus filiformis

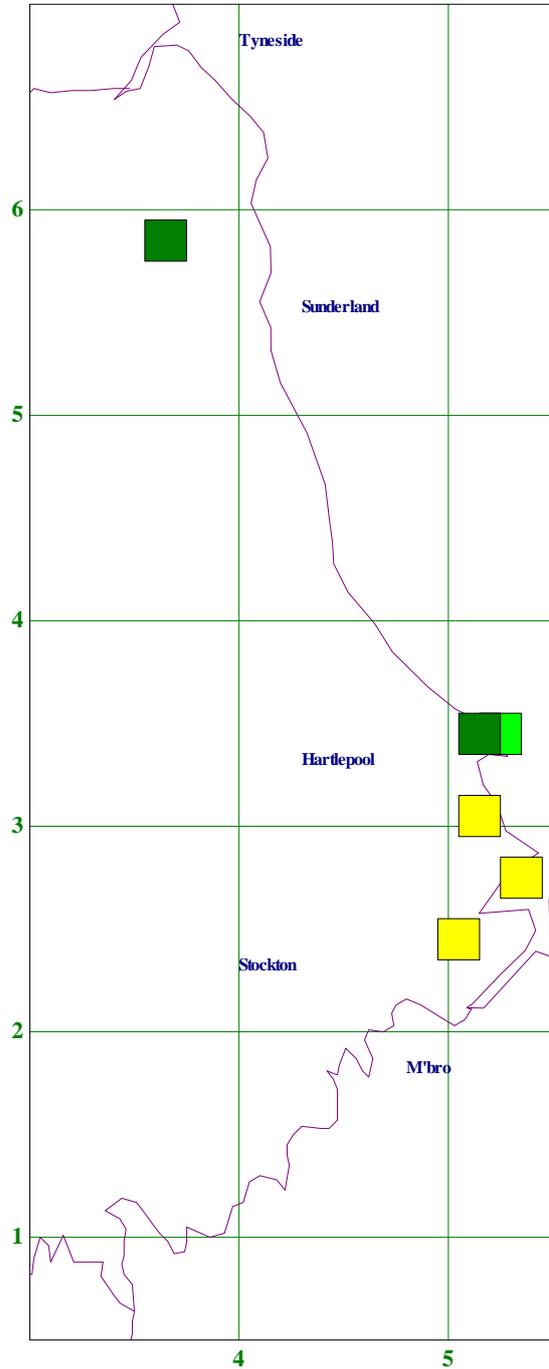


2011	NY832386	Burnhope Reservoir	Andy McLay
25/06/05	NZ0640	Tunstall Reservoir LWS 3.18	A & G Young
2009	NZ068419	Tunstall Reservoir LWS 3.18	Keith Regan

Juncus maritimus
Sea Rush

National Status None
 County Status Scarce, declining.

Juncus maritimus



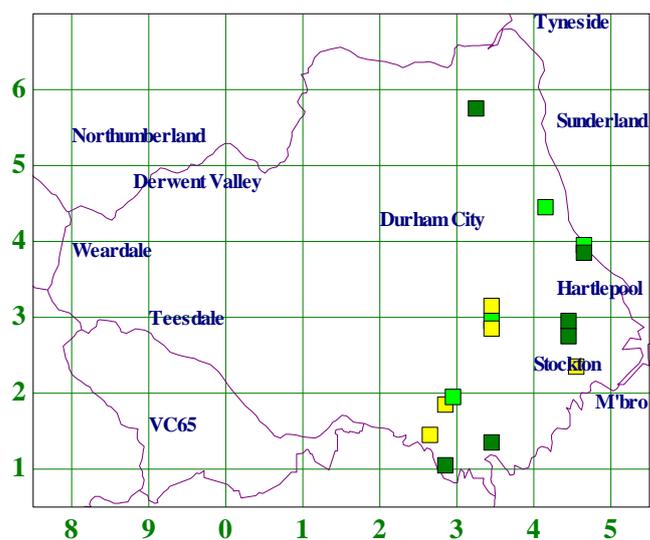
1993	NZ502246	Cowpen Marsh	Unknown
24/02/94	NZ520340	Hartlepool Docks	Lowe, C.J.
01/08/2001	NZ51413416	Hartlepool Slake	Russell McAndrew
2009	NZ5134	Hartlepool Slake	Ian Bond
30/09/01	NZ368582	Timber Beach saltmarsh	J L Durkin

Juncus subnodulosus
Blunt-flowered Rush

National Status None
County Status Scarce, declining.

23/07/13	NZ3275 5706	Barmston Pond	Martin Hammond
19/08/00	NZ43U	Blackhall Rocks	NNU
16/07/14	NZ465394	Blue House Gill	Ruth Jackson
04/07/15	NZ281108	Hell Kettles SSSI	F Sarker
2010	NZ44298 29428	Gunnersvale Marsh	Wildflower Ark
	NZ44244 29412		
	NZ44275 29415		
	NZ44290 29396		
	NZ44298 29385		
	NZ44298 29428		
	NZ44231 29433		
	NZ44244 29412		
2010	NZ44457 27792	North Burn Marsh	Wildflower Ark
	NZ44448 27785		
	NZ44448 27785		
	NZ44472 27754		
	NZ44443 827812		
	NZ44443 27807		
	NZ44472 27754		
	NZ44439 27824		
21-Jul-98	NZ292198	Redcar Field Nature Reserve	DTNFC
2000	NZ349134	The Whinnies LNR	David Green

Juncus subnodulosus



Juncus triglumis Three-flowered Rush

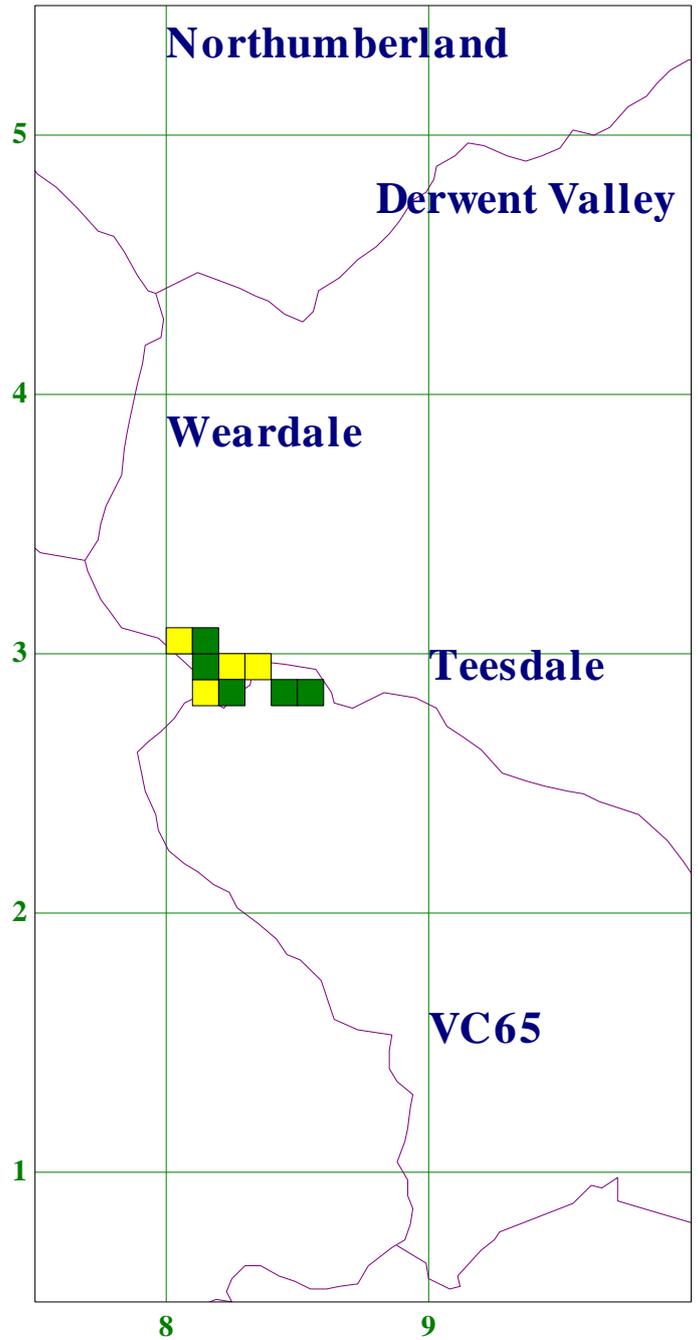
National Status A "Scottish" species
 English Status Least Concern
 County Status Scarce

This species is included in the Rare Plant Register because, while it is not scarce nationally, Durham has most of the English population.

Very rare and sparse in shallow stony sikes at Widdybank and Cronkley Fells.

22/06/05	NY8528	Cronkley Fell	Wild Flower Society
02/07/06	NY82J	Cronkley Fell	John & Clare O'Reilly
22/06/99	NY848283	Cronkley Fell Exclosure	Jones, Vincent
19/08/11	NY8165 2945	Red Sike	J L Durkin
19/08/11	NY815304	Slapestone Sike	J L Durkin
02/06/04	NY8164 2948	Cow Green	C Metherell

Juncus triglumis



Juniperus communis

Juniper

National Status Least Concern/UKBAP
English Status Near Threatened
County Status Durham BAP

The following text follows the Durham BAP.

The majority of junipers in Durham are in the North Pennines Natural Area, on unimproved pasture or moorland in isolated stands. The total area of these habitats is approximately 115ha, split between 26 sites. Around 100ha of this is in the Upper Teesdale NNR (counted as one site).

A notable exception to this distribution are surviving lowland native sites on the Durham Coast at Chourdon Bay and Blackhall Rocks.

Surveys in 1973 and 1994 highlighted the local decline in juniper. Twelve sites and 36% of bushes were lost in this period. Juniper stands are dominated by old bushes (over 100 years) and natural regeneration is rare.

Current or recent activity

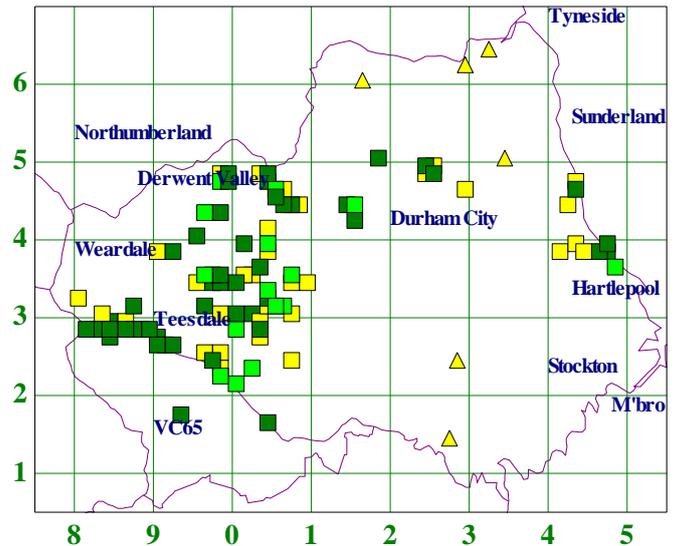
Comprehensive surveys of juniper colonies in North-east England were undertaken by English Nature in 1973 and 1994.

Outside Upper Teesdale NNR, planting schemes to extend existing stands, re-instate extinct sites and to create new ones have been undertaken by English Nature, Durham County Council, Northumbrian Water, Durham Wildlife Trust, Game Conservancy, Woodland Trust and others. The Woodland Trust's Castle Hill Wood is a particularly successful site.

Seed from an old stand at Hishopeburn was collected from 2004 onwards and has been propagated by Trees Please Nursery near Corbridge.

Lowland sites where Juniper has been planted as an ornamental are not listed, but appear on the map as yellow triangles.

Juniperus communis



Native or re-introduced lowland sites

26/07/05	NZ344504	Houghton Cut	J L Durkin
29/08/10	NZ245493	Daisy Hill	J L Durkin
02/03/10	NZ2548	Waldridge Fell	J L Durkin
28/05/03	NZ472386	Blackhall Rocks	A & G Young
06/07/07	NZ4748 3839	Blackhall Rocks	D Mitchell et al
07/07/12	NZ4387 4694	Chourdon Bay	J L Durkin
24/06/95	NZ4836	Crimdon Denemouth	Mitchell D
31/07/09	NZ475385	Cross Gill	Chris Pope



Bonsai juniper at High Force

Upland Sites, VC66 only, including introductions in italics.

Mar-91	NZ051317	Ayhope Shield LWS 3.9	Valerie Standen
29/05/03	NY891284	B6277, W of Ettersgill junction, N verge	K Bowie, K Cunningham, F Daly.
2012	NZ033361	Bollihope	J L Durkin
2001	NY973347	Bollihope	J L Durkin
2001	NY974347	Bollihope	J L Durkin
22/10/04	NY975348	Bollihope	National Juniper Survey
29-Nov-07	NY982350	Bollihope Common	J L Durkin
01/12/12	NY987349	Harnisha Crag, Bollihope	V Hack
01/09/11	NZ070444	Longburn Ford Field (LWS1.51)	J L Durkin
Jun-95	NY980475	Burnhope Burn LWS 3.39	Stobbs, J.
2012	NZ078490	Castle Hill Wood	J L Durkin
Jun-95	NZ069317	Cliff Sike LWS 6.42	Stobbs, J.
06/04/11	NZ042487	Coal Gate	J L Durkin
10/09/13	NY816284	Falcon Clints	J L Durkin
19/08/11	NY819282	Falcon Clints	J L Durkin
	NY818283		
	NY817284		
	NY820281		
	NY821281		
	NY822281		
	NY823281		
	NY824281		
09/09/13	NY846296	Brock Holm island in Tees	J L Durkin
19/08/11	NY828282	"Juniper Island" in Tees	J L Durkin
	NY829282		
21/06/11	NY999483	Feldon Burn	A McLay
21/05/07	NY987475	Feldon Burn	J L Durkin
	NY997470		
	NY997471		
05/11/02	NY8731	Fendrith Hill	Schober M
10/11/13	NY963310	Great Egglestone Beck	J L Durkin
08/08/06	NZ186501	Greencroft & Langley Moor SSSI	J L Durkin

01/08/07	NZ020309	Hamsterley Forest	J L Durkin
	NZ021309		
	NZ023308		
14/05/02	NZ037275	Hamsterley Forest	G Simpson
10/07/07	NZ1542	Hedleyhope Dene, DWT	J L Durkin
06/05/11	NZ0447	Hisehope Burn SSSI	A McLay
16/07/05	NY931178	Hunder Beck Juniper SSSI	Brown, Kit
22/10/04	NZ038363	Harehope Quarry	Juniper Survey
Jul-06	NY8828	Keedholm Scar	J L Durkin
08/08/06	NZ1850	Langley Moor	J L Durkin
22/10/04	NZ003343	Howden Burn	Juniper Survey
Jun-95	NZ058464	Middles West LWS 1.41	Stobbs, Ms J.
03/07/11	NZ0432	North Grains Beck	A McLay
06/02/08	NZ0416	Orchard Brae, Barnard Castle, Woodland Trust	J L Durkin
1994	NZ026232	Pallet Crag LWS 6.23	Valerie Standen
10/02/93	NZ158445	Ragpath, east of.	Lawson, G
Aug-07	NY8850 2857	R Tees banks, High Force	J L Durkin
Jul-06	NY871281	River Tees banks, High Force Quarry	J L Durkin
03/02/06	NY974247	R Tees bank near Sun Bank	A & G Young
24/10/13	NY9070 2765	Winch Bridge Crag (W limit)	John Durkin
24/10/13	NY9081 2748	Winch Bridge Crag (E limit)	John Durkin
Jun-95	NZ070353	Rushy Lea LWS 3.41	Stobbs, J.
14/05/10	NZ010396	Saugh Sykes	A McLay
01/08/07	NZ016308	Sharnberry Gill	J L Durkin
	NZ017308		
	NZ018308		
	NZ019308		
10/08/07	NY920388	Heights Quarry	J L Durkin
25/06/05	NZ0545	Waskerley	B Astley
Aug 2011	NZ063446	Waskerley Way, Burnhills Junction	J L Durkin
	NZ063447		
	NZ064445		
	NZ064444		
31/07/02	NY983431	West Whiteley Burn	A & G Young

***Knautia arvensis* Field Scabious**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham.
Sites are too many to list.

Kobresia simpliciuscula False Sedge

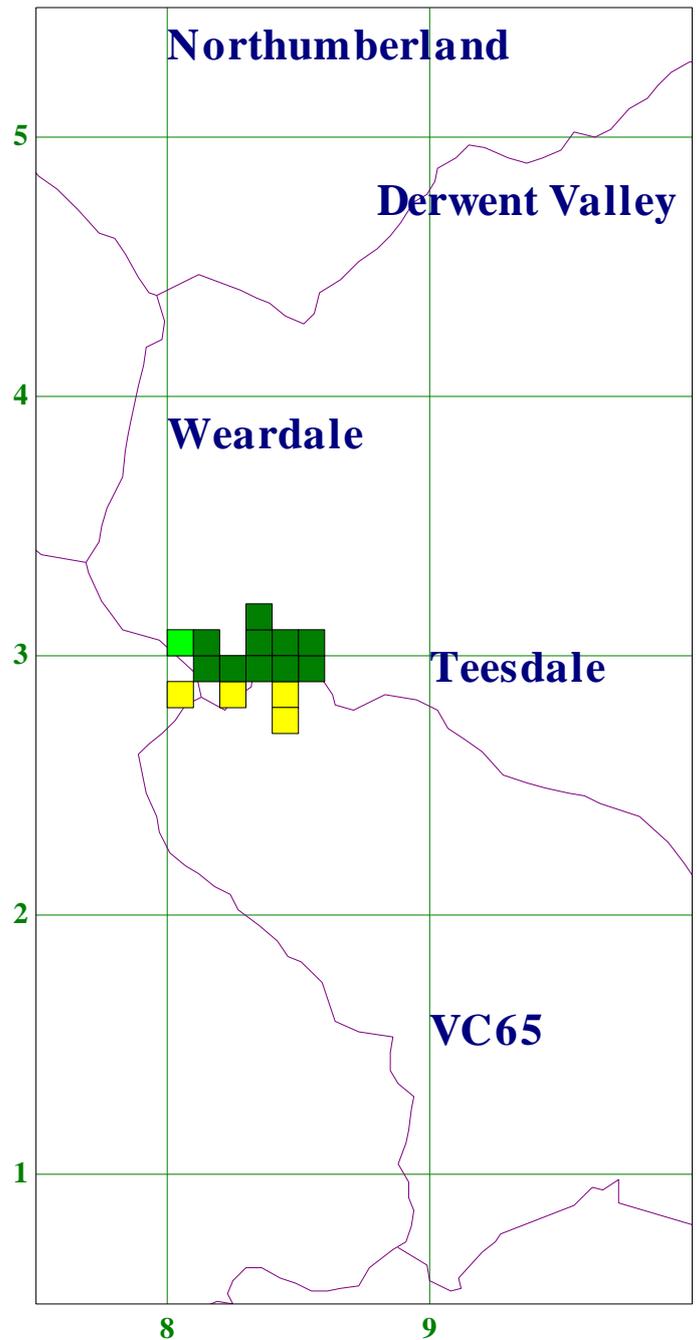
National Status Nationally Rare
County Status Scarce

Locally abundant in sugar limestone turf and montane, base-rich sedge marsh. There were occasional "wash-down" colonies further down the Tees. These have declined in recent years.

Conservation- Most of the sites are in the Upper Teesdale Nature Reserve.

01/07/06	NY814290	Widdybank Fell	Wood, D& Woods, M
	NY8130		
	NY8229		
03/07/09	NY8331	Widdybank Fell	Schober, M
19/08/11	NY816295	Red Sike	
2008	NY837299	Widdybank Pasture	Jeremy Roberts
1993	NY839299	Widdybank	GGG
2008	NY835303	Widdybank Pasture	Jeremy Roberts
2008	NY847304	Widdybank Pasture	Jeremy Roberts
2009	NY847297	Cetry Bank	Natural England
	NY848296		
07/08/09	NY848301	Allotment SW of Sayer Hill	John O'Reilly
2009	NY850296	Whey Sike	Natural England
	NY850297		
	NY851297		
	NY852298		
30/06/06	NY8530	Langdon Beck	Wood, D& Woods, M

Kobresia simpliciuscula



Lamium confertum
Northern Dead Nettle

National Status None
English Status Endangered
County Status Rare

There are no recent records.

NZ340599	1979	Sunderland Airfield	Burnip, M.
NZ3258	08 Jun 1978	Sunderland Airport	Burnip, M.
NZ301581	1977	Concord Village	Gibbons, E.M.

Lathyrus linifolius Bitter Vetch

English Status Near Threatened
County Status Common/no decline

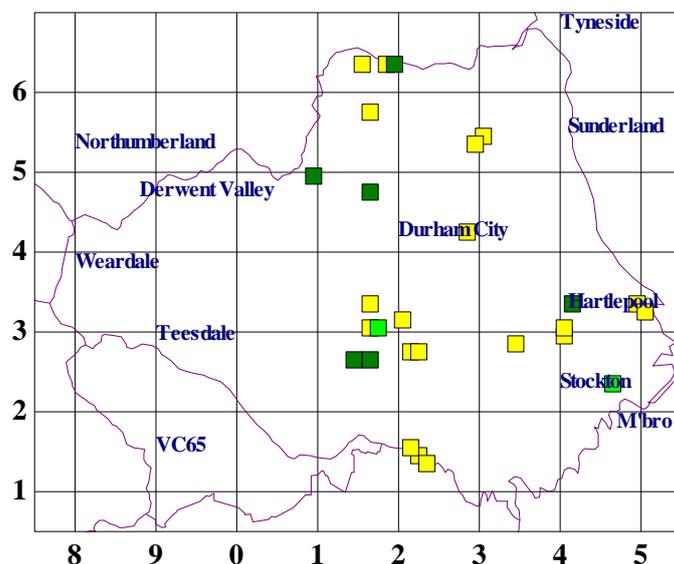
This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Lepidium campestre Field Pepperwort

English Status Near Threatened
County Status Scarce

18-Oct-08	NZ1631 4761	Lanchester Way, entrance to Cartergate	A & G Young
09-Jun-08	NZ099493	Waskerley Way, near Lydgett's Crossing	A & G Young
15/07/06	NZ12T	NZ12T	DTNFC
15/07/06	NZ12N	NZ12N	DTNFC
31/08/03	NZ4133	Hurworth Burn	CNFC
28-Jun-02	NZ195631	Shibdon Pond: Grassland	McLay, A
29/05/97	NZ4623	Billingham	LOWE, Dr C.
07/09/96	NZ1730	Witton Park	Graham P.S.
14-Jun-82	NZ1863	Blaydon	McCutcheon, D.E.

Lepidium campestre



Limonium humile
Lax-flowered Sea-lavender

National Status Scarce
English Status Least Concern
County Status Rare

Doubtful records, at Greatham Creek by JWHH, were later confirmed by Michael Wilcox. This population includes hybrids with Common Sea Lavender.

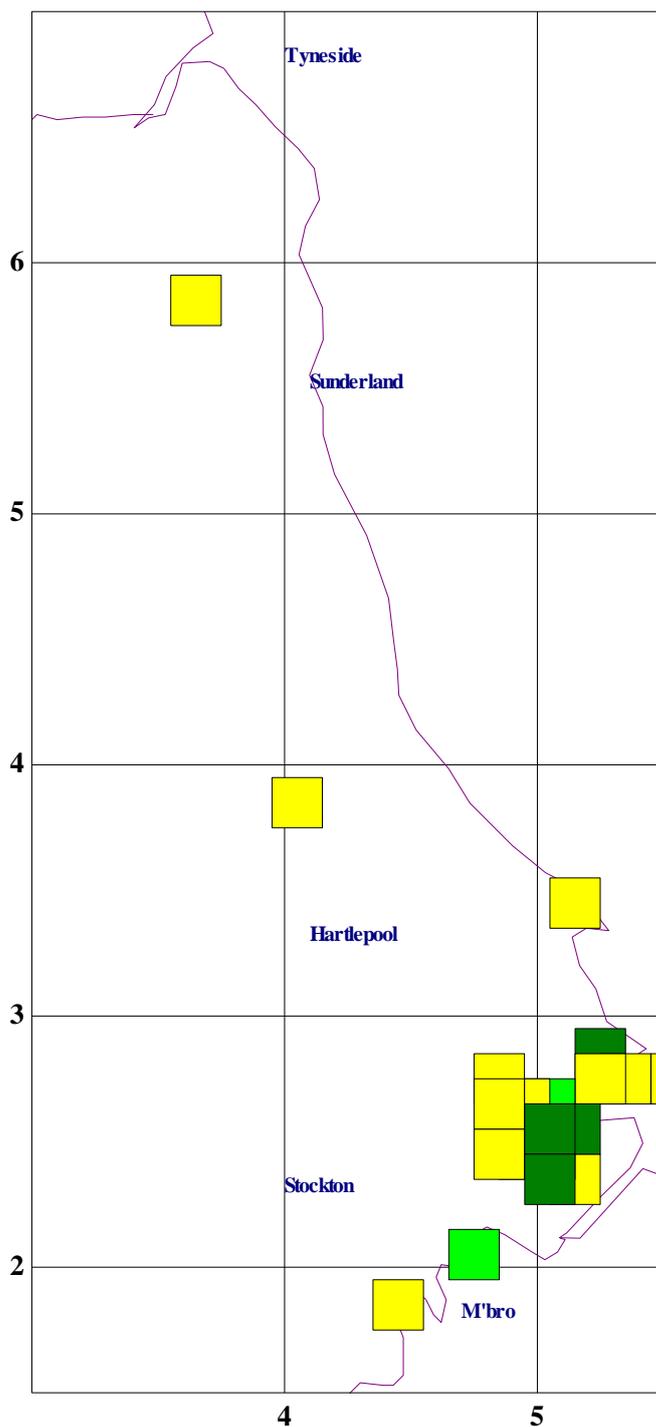
22 Jul 2015	NZ50844 25417	Greatham Creek	M Wilcox
22 Jul 2015	NZ51251 25437	Greatham Creek	M Wilcox

Limonium vulgare **Sea lavender**

English Status Near Threatened
County Status Rare

22-Sep-07	NZ52J	Teessmouth	DTNFC
08-Aug-94	NZ5026	Greenabella Marsh	Lowe, C.J.
04-Jan-93	NZ4720	Billingham Beck	Lowe, C.J.
1989	NZ42X	Cowpen Marsh	McAndrew, Russell
24-May-00	NZ5024	Cowpen Marsh	A & G Young
29-Sep-13	NZ5025	Saltholme	F Sarker
28-Jul-13	NZ5025	Saltholme	F Sarker
30-Sep-12	NZ504233	Saltholme	F Sarker
25-Sep-11	NZ52J	Seaton Sands	F Sarker and J Dyke
28-Sep-14	NZ5125	Teesside, verge and embankment	Teresa Bostock
05-Oct-81	NZ504258	Greatham Creek	Graham G.G.
05-Oct-81	NZ506257	Greatham Creek	Graham G.G.
14-Jul-12	NZ505255	Greatham Creek	Elizabeth Elliot
22-Jul-15	NZ5025	Greatham Creek	Michael Wilcox
22-Jul-15	NZ5125	Greatham Creek	Michael Wilcox

Limonium vulgare



***Limosella aquatica* Mudwort**

National Status Scarce
County Status Probably Extinct

“Marshy ground surrounding a spring close to the village of Morden, with *Bidens tripartita*”
1868 Rev. A. M. Norman in Baker and Tate.

There are no recent records.

***Linnaea borealis* Twinflower**

National Status Scarce
County Status Possibly Extinct

The Weardale record for this plant may be native or introduced. It has not been recorded for some years now. Unsuccessfully searched for in 2011; the grid reference may be inaccurate.

08/07/79	NY883440	Frazer's Quarry	M Burnip
----------	----------	-----------------	----------

***Linum perenne anglicum* Perennial Flax**

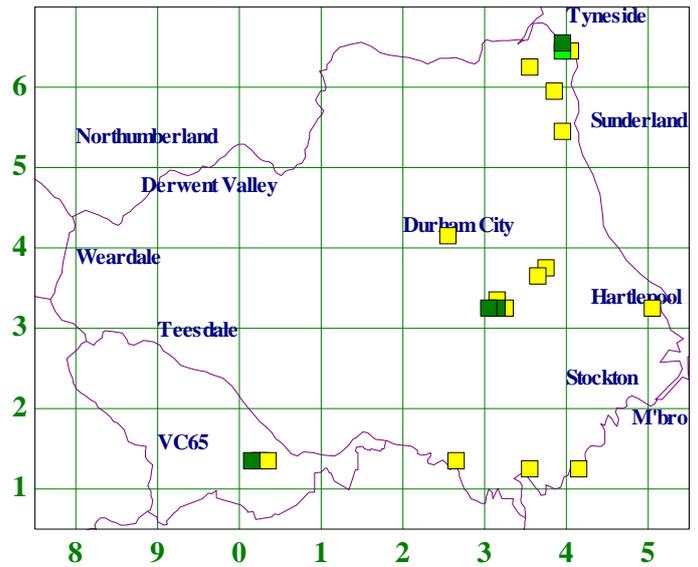
National Status Scarce
 County Status Rare

County Durham has a significant proportion of the national distribution of this species.

Mainly on the magnesian limestone, with one site on the Permian limestone in VC65. There are two main sites, at Thrislington NNR and at Harton Downhill SSSI, both of which were well known to local people for many years before they came to the attention of serious botanists. The Thrislington NNR/Rough Furze/Thrislington Quarry population has a proportion of white flowering plants. The Durham populations are on the northern limit for this attractive flower.



Linum perenne



		Beacon Hill Quarry	Durham Wildlife Services
1997	NZ3964		
23/06/10	NZ389655	Harton Downhill SSSI	Julia Quinonez
12/07/05	NZ390655	Harton Downhill SSSI	John Liam Durkin
17/06/03	NZ018137	Huwlands Quarry, Bowes	John Liam Durkin
12/07/10	NZ39176570 to NZ39036579	The Leas	Clare O'Reilly
Sep-99	NZ391659	Man Haven	Owen, M.J.
11/08/09	NZ318324	Rough Furze Quarry LWS 7.27	John Liam Durkin
14/06/06	NZ310326	Thrislington NNR	G Young
13/06/98	NZ315326	Thrislington NNR	DWT Hedges Survey
1999	NZ319326	Thrislington NNR	Boyce, Mr R.
10/06/07	NZ31893284	Thrislington compartment 5	A & G Young
11/07/10	NZ3032	Thrislington NNR	Judith Dyke
2014	NZ317329	Thrislington working quarry	Janet Simkin

***Lithospermum arvense* Field Gromwell**

National Status Endangered
 County Status Rare

A single record from Hart Warren

13 Jun 1998	NZ491364	Hart Warren	Dines, Dr T.
-------------	----------	-------------	--------------

***Luronium natans* Floating Water-Plantain**

National Status Least Concern/Scarce
 English Status Near Threatened
 County Status Extinct

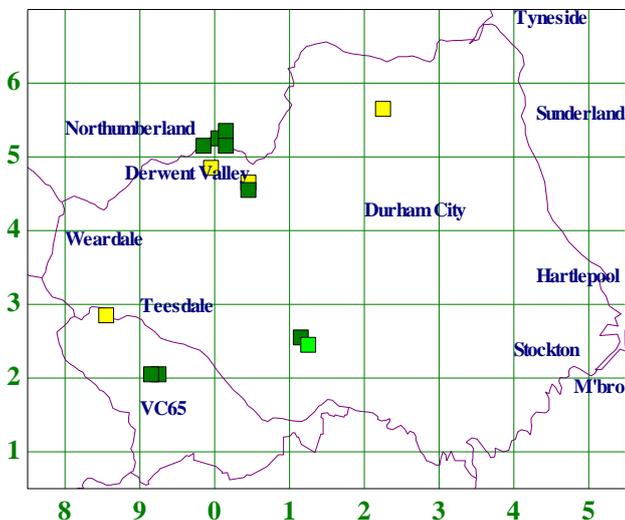
There is a record from “a swamp near Birtley”, in 1930, by Professor J W H Harrison. “known between the wars, but the area now built over”.
 Possibly a doubtful record.

***Lythrum portula* Water-purslane**

National Status None
 County Status Scarce

Frequent to dominant on the shores of the Derwent Reservoir. Spreading.

Lythrum portula



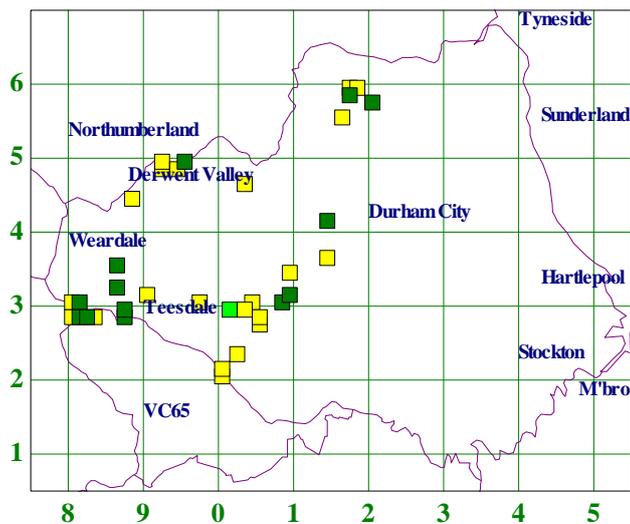
20-Jun-08	NY985515	Carrick's Haugh	Andy Mclay
30-Aug-99	NZ126248	Cockfield Fell	GGG
30-Aug-99	NZ117254	Cockfield Fell	GGG
05/09/10	NZ117252	Cockfield Fell	A McLay
Aug 2011	NZ00870 52356 to NZ01255 51842	Derwent Reservoir shore, continuous	J L Durkin
03/10/11	NZ025525	Derwent Reservoir	Jim Bowyer
19/07/09	NZ009521	Pow Hill	A McLay
10-Sep-06	NY929216	Grassholme car park	J & C O'Reilly
11/07/10	NY9120	Selset Reservoir	A McLay
12-Sep-07	NZ044459	Smiddy Shaw Reservoir shore	A & G Young

Lycopodium clavatum
Stags-horn Clubmoss

National Status Least Concern/
Habs. Dir Annex 5
English Status Vulnerable
County Status Scarce

2002	NY83R	Harthope Head	Hedley, S.
Jun 2011	NY86300 35287	Harthope Head Quarry	Mel Lloyd
14/08/11	NZ14873 41318	Hedleyhope Fell CWS 1.22	John Liam Durkin
15/11/14	NY816414	Wellhope Burn	T Coult
04/06/03	NY955497	Low Garden House, old quarry road	A & G Young
June 2014	NZ175506	Morrison Busty brownfield	Laura Tedstone
12/07/08	NZ206574 NZ207574	Marley Hill, former colliery.	John Liam Durkin
1986	NZ181598	Owlet Hill	J L Durkin
Jul 2006	NY871281	River Tees banks, High Force Quarry	John Liam Durkin
2011	NY8130	Slapstone Sike	M Bradshaw

Lycopodium clavatum



Jul 2006	NY871291	Dufton Moss Quarry	J L Durkin
Jul 2005	NY8228	Falcon Clints	J L Durkin
Jul 2005	NY8128	Falcon Clints	J L Durkin
2013	NZ1781 5898	Gibside	Phil Younger
2010	NZ175588	Gibside	J L Durkin
09/06/09	NZ0931	Hamsterley Forest	Sarker, F
Feb 1992	NZ019298	Hamsterley Forest CWS 6.25	Valerie Standen

***Maianthemum bifolium* May Lily**

National Status Vulnerable
County Status Rare

In upland ancient semi-natural woodland planted with conifers.

County Durham has a significant proportion, more than 25%, of the national distribution of this species.

Gordon Graham describes May Lily as being introduced to Durham, saying “possibly introduced with conifers”, but the Red Data Book describes this site as native.

There is one long-established site, and a number of other reported sites close by, most of which may be incorrect grid references or may have been short-lived colonies or introductions from the main site.

First found by Rev. J C Dunn, then by D Oliver. The May Lily site was initially kept secret.

In 1986 John Durkin found a small colony on the south side of the Beldon Burn, two kilometres upstream of the main site. This colony, probably planted, subsequently died out.

Conservation The single site is a Durham County Local Wildlife Site, but this is inadequate status for such an important species.

11/06/03	NY950493	Hunstanworth	A & G Young
----------	----------	--------------	-------------

***Marrubium vulgare* White Horehound**

National Status Scarce
County Status Extinct

No recent records.

***Meconopsis cambrica* Welsh Poppy**

National Status Scarce
County Status Frequent hortical

A frequent garden escape, especially around villages in the Dales and along the Wear between Stanhope and the A68.

***Melampyrum pratense* Cow Wheat**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Typical sites are in western, acidic ancient woodlands. Sites are too many to list.



***Melampyrum sylvaticum* Small Cow Wheat**

National Status Endangered
County Status Extinct

Formerly rare in riverside woodland in Teesdale.
Long extinct on the Durham side at Winch Bridge, and apparently now gone from the Yorkshire side. It's hard to tell if it was formerly more widespread in Teesdale or if some of the records were mistakes for *Melampyrum pratense*, though at least some of these are backed up by herbarium specimens.
There is a Heslop Harrison record for Hisehope Burn, in the Derwent valley.

The most recent record was at Winch Bridge, VC65, 1976 seen by Gordon Graham and determined by D J Tennant.

1976	NY9027	Winch Bridge, south side	Tennant, D J and GGG
1945	NZ0447	Hisehope Burn SSSI	JWHH

***Mentha arvensis* Corn Mint**

English Status Near Threatened
County Status Rare

Of the "English List" species, Corn Mint shows the most drastic decline in the county.

18/08/92	NZ406471	Seaham	Graham, G.G.
17/08/92	NZ407470	Seaham	Graham, G.G.
31-Jul-75	NZ23C	Willington	Graham, G.G.
29/08/03	NY9028	Bowlees	A & G Young
2005	NZ2809	Croft on Tees	Sarker, F
11-Sep-06	NZ0417	Flatts Wood CWS 6.36	DTNFC
2010	NZ4734	Hart Quarry	Wildflower Ark
20-Aug-02	NZ0958	Labourn's Fell	Andy McLay
20-Aug-02	NZ0957	Milkwellburn Wood	McLay, A
20-Aug-02	NZ0957	Hollin's Hill, Milkwell Burn	Andy McLay
2008	NZ4754 3450	Hart Quarry	Lee Miller
30-Jul-11	NZ0712	Brignall	Judith Dyke

***Minuartia stricta* Teesdale Sandwort**

National Status Vulnerable
 County Status Rare

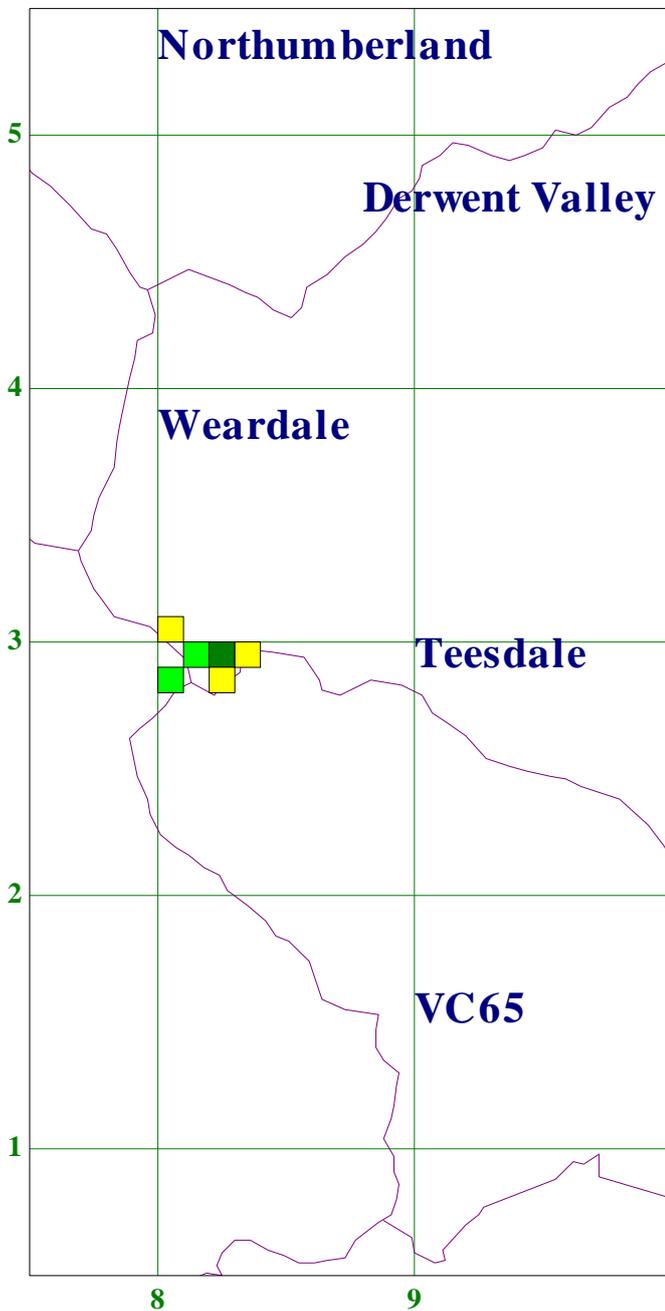
County Durham has a significant proportion of the national distribution of this species.

In open gravelly flushes and eroding margins in two small areas on the sugar limestone at Widdybank Fell.

Conservation- Both of the sites are in the Upper Teesdale Nature Reserve.

01/07/12	NY82	Undisclosed	Findlay, I.
01/07/13	NY82	Undisclosed	Findlay, I.
1985	NY821291	Fold Sike	Wilson P J
1994	NY817293	Red Sike	Findlay, I.
1985	NY819292	Red Sike	Wilson P J
1985	NY817294	Widdybank Fell	Wilson P J
01/07/06	NY826291	Widdybank Fell	Wood, D& Woods, M

Minuartia stricta



***Minuartia verna* Spring Sandwort**

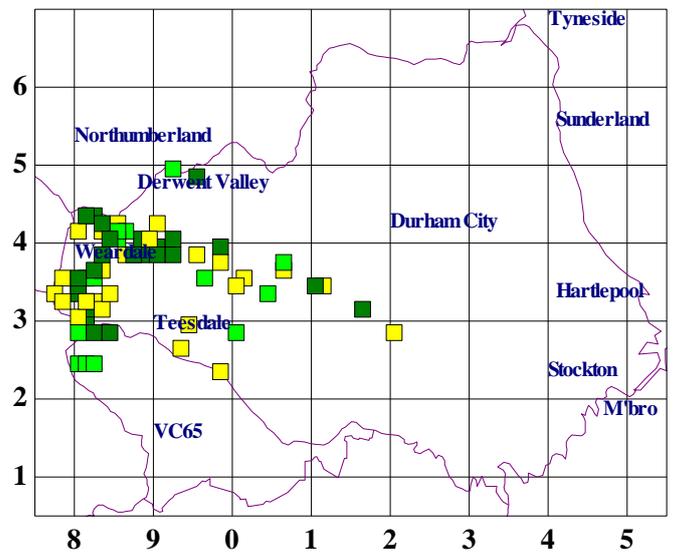
National Status Near Threatened
 County Status Scarce

On lead mining spoil heaps and associated river banks and road verges in upper Weardale and Teesdale. Less frequent in the upper Derwent Valley.

County Durham has a significant proportion of the national distribution of this species.

Conservation- Some of the sites are in the Upper Teesdale National Nature Reserve.

Minuartia verna



Spring Sandwort Records

10/08/07	NY932400	Hanging Wells	J L Durkin
10/08/07	NY935404	Hanging Wells	J L Durkin
10/08/07	NY933394	Hanging Wells	J L Durkin
Oct-90	NY9249	Beldon Burn LWS 3.29	Valerie Standen
29/06/11	NY8338	Burnhope Moor	A McLay
03/06/99	NY857408	Burtreeford	J L Durkin
03/06/99	NY8541	Burtreeford	J L Durkin
04-Jul-97	NY8235	Coldberry End	McCutcheon D.E.
21-May-08	NY8153 3037	Cow Green	A & G Young
09/07/00	NY818298	Widdybank, SE of enclosure	M Atkinson
09/07/00	NY817294	Red Sike	M Atkinson
1995	NY8145 3026 NY813303	Widdybank/ Cow Green	Stephen Willis
21-May-08	NY8171 2968	Cow Green Exclosure	A & G Young
22/06/05	NY810309	Cow Green	iSpot
21/07/10	NY8130	Cow Green	Mark Woods
02-Jul-06	NY8328	Cronkley Fell	J & C O'Reilly
18/06/06	NY8428	Cronkley Fell	CNFC
22-Jun-05	NY842283	Cronkley Fell exclosure	Wild Flower Society
01/08/00	NY8236	Great Stony Hill	Schober M
2002	NY983391	Greenfoot Quarry LWS 3.54	Stobbs, J. et al.
21/08/10	NY823434	Killhope	A McLay
24/05/09	NY8143	Killhope	J L Durkin
1991	NY826430	Killhope Wheel LWS 3.6	Buchanan, P T
31/08/15	NY808353	Ashgill Head mine	Richard Friend and Lizzie Maddison
18/08/09	NY806341	Lady's Rake Mine	J O'Reilly
01-Jul-04	NZ1134	Low Harperley riverside	John Liam Durkin
1990	NY8024 NY8124 NY8224	Mickle Fell top	English Nature
27-Jul-09	NY9039	Middlehope Burn	Andy Mclay

09-Jul-05	NY8749 3899	Newhouse	Jane Young
2002	NY8840	Newhouse to Middlehope Road Verge LWS 3.56	Stobbs, J. et al.
2009	NY809333	Rough Hill	Natural England
24/05/09	NY8342	Killhope	J L Durkin
11/05/09	NY880389	East Blackdene	CNFC
10/08/96	NY957482	Ramshaw	McCutcheon D.E.
21-May-08	NY8166 2943	Red Sike	A & G Young
01/06/96	NY9038	Slit Wood	GGG
13/12/12	NY905391	Slit Wood	Alison Hiles
18/05/05	NY956483	Ramshaw, old quarry	A & G Young
15/06/96	NZ005285	Eggleston Common	JW Aitchison
24-Aug-06	NZ168310	Witton-le-Wear SSSI meadow alongside rly embankment	John Liam Durkin
Nov-90	NZ0637	Wolsingham River Gravels LWS 3.10	Valerie Standen



***Muscari neglectum* Grape Hyacinth**

National Status Vulnerable
 County Status Hortal

Occasionally well established, usually near houses. Some records may be other *Muscari* taxa.

***Myosotis alpestris*
 Alpine Forget-me-not**

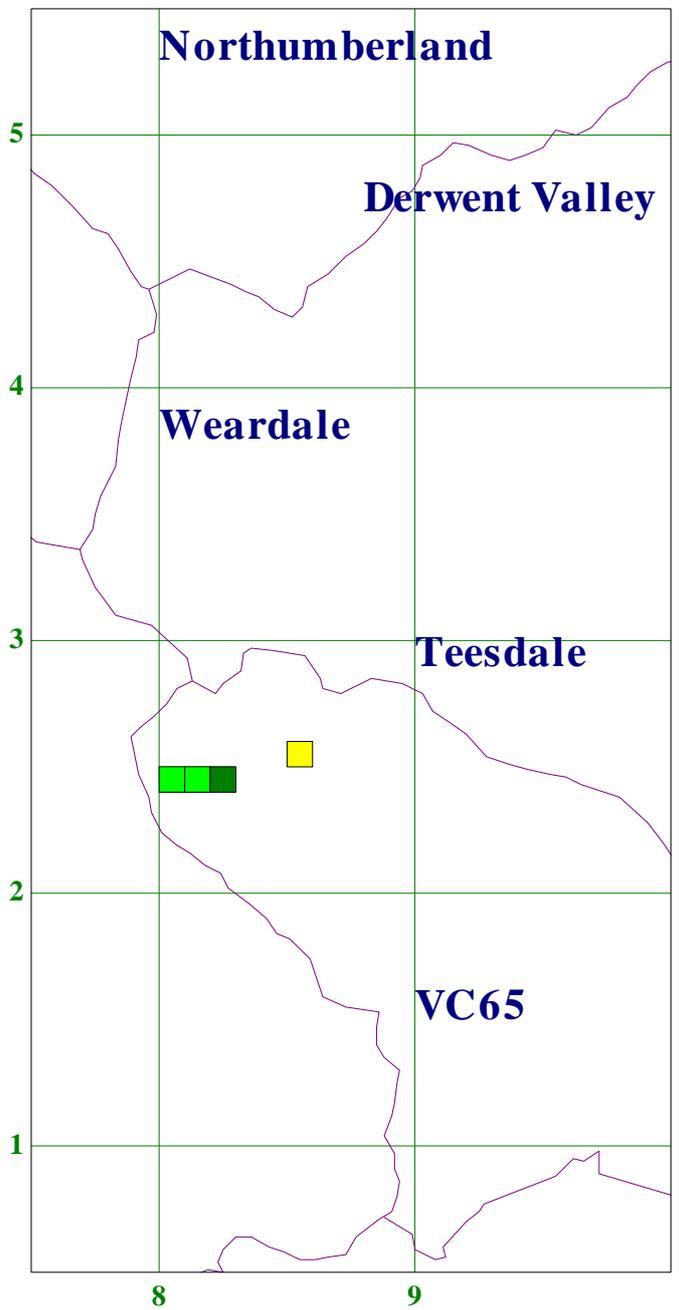
National Status Near Threatened
 County Status Rare

All of the sites are south of the Tees, on Mickle Fell (vc65) at 700 to 1180 metres.

1990	NY8024	Mickle Fell top	English Nature
July 2005	NY8224	Mickle Fell top	Rod Corner, Jeremy Roberts, Linda Robinson
1989	NY811246	Mickle Fell	Findlay, I.
1993	NY827244	Mickle Fell	Findlay, I.

Conservation- All of the sites are in the VC65 part of the Upper Teesdale National Nature Reserve.

Myosotis alpestris



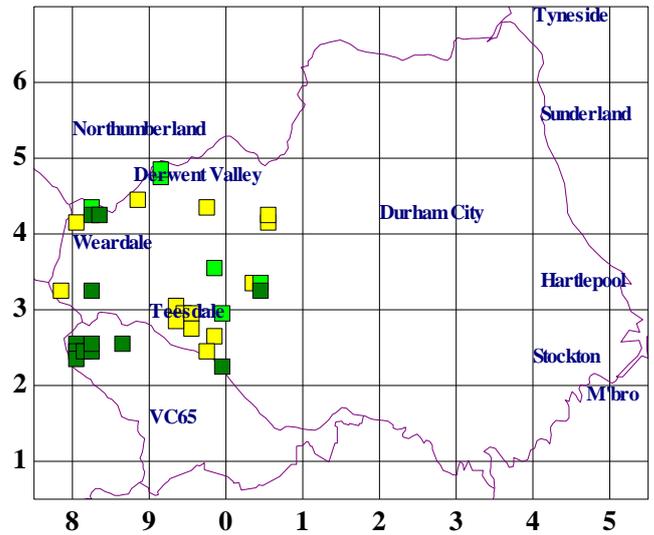
***Myosotis stolonifera* Pale Forget-me-not**

National Status Scarce
 County Status Scarce

Flushed fellsides in Teesdale, Weardale and the Derwent Valley.

23/06/06	NY801248	Mickle Fell	Robson, Craig
	NY802240		
	NY809237		
	NY809243		
	NY815244		
	NY823244		
	NY823250		
	NY823251		
19/06/06	NY8025	Mickle Fell	Robson, C
18/06/06	NY8625	Bleabeck Grains	Robson, Craig
09-Jul-97	NY983356	Catterick Moss	McCutcheon, D.E.
09-Jul-97	NY993296	Eggleshope Beck	McCutcheon D.E.
2009	NY822325	Forest-in-Teesdale	Natural England
29-Jul-87	NY938280	Hardberry Farm, near stream.	Burnip, M, Horsley, E, Jackson, J, Peacock, H.
08-Jul-97	NY823434	Killhope	McCutcheon, D.E.
24/05/09	NY8242	Killhope	J L Durkin
24/05/09	NY8342	Killhope	J L Durkin
23/08/91	NY919472	Nookton Burn	McCutcheon, D.E.
24/08/91	NY9148	Nookton Fell	GGG
03/07/11	NY044328	North Grain Beck	A McLay
27-Jun-02	NY992224	Romaldkirk, North of Beer Beck, south verge	K Bowie, K Cunningham, F Daly, J Durkin.

Myosotis stolonifera



***Myosoton aquaticum* Water Chickweed**

National Status None
 County Status Rare

There is only one current site for this species, which is close to its northern limit here.

3/05/67	NZ157649	Ryton Willows Gut Pond	Graham, Rev G.G.
14/04/77	NZ215549	River Team at Beamish Hall	Graham, Rev G.G.
29/09/05	NZ373633	Temple Park East	Andy Mclay

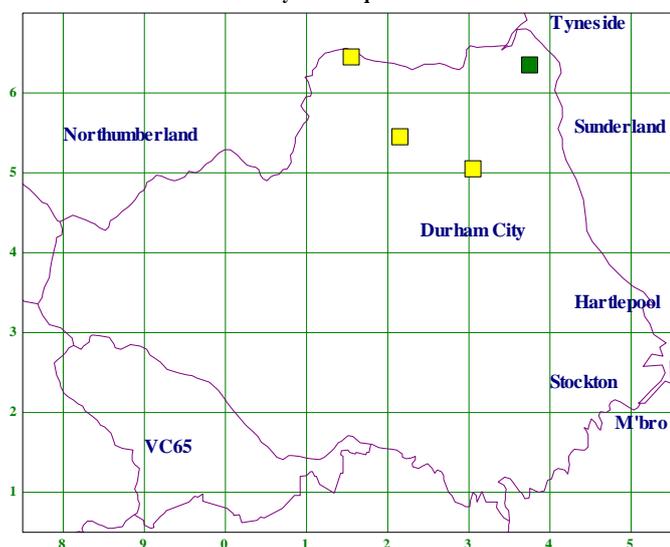
***Myriophyllum verticillatum* Whorled Water-Milfoil**

National Status Vulnerable
 County Status Rare

Recorded from Ryton Willows. Known from north of the Tyne here for many years.

04/10/12	NZ157649	Ryton Willows SSSI, Gut Pond	David Shimwell
----------	----------	------------------------------	----------------

Myosoton aquaticum



Neotinea ustulata Burnt Orchid

National Status Endangered
 County Status Rare

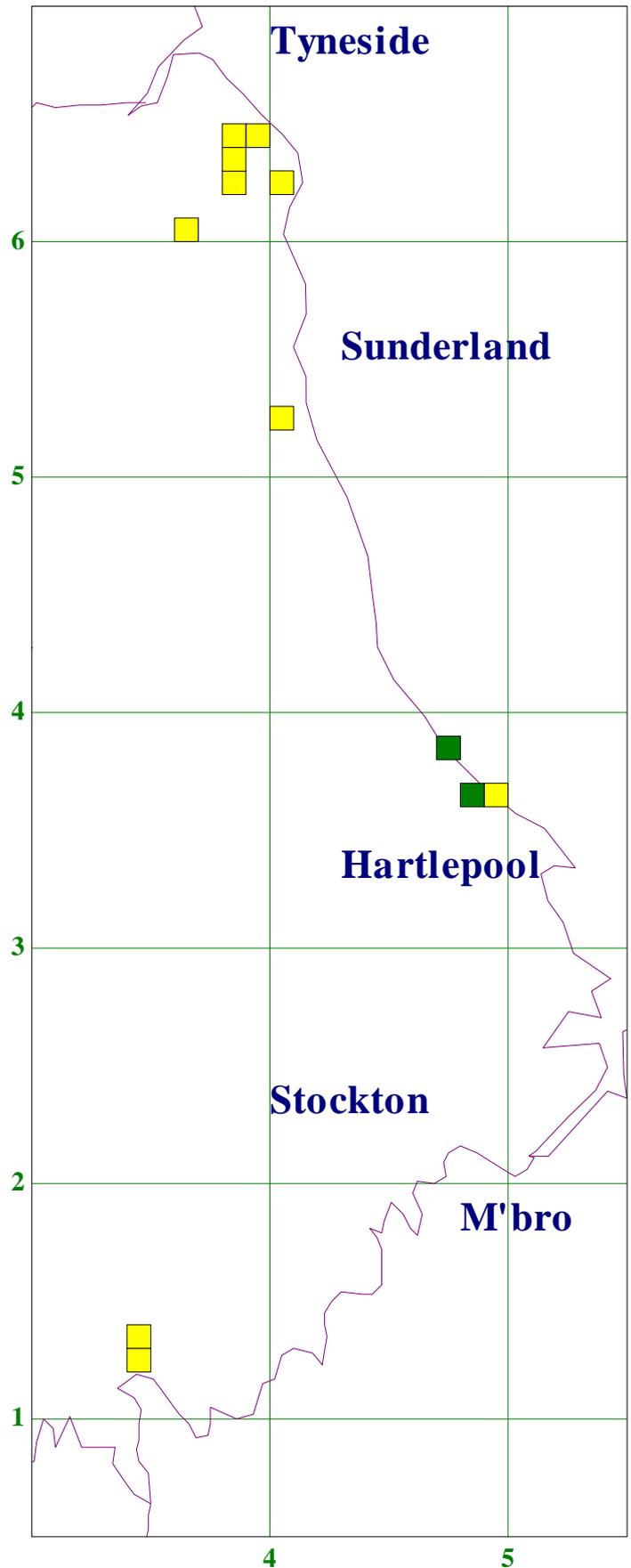
Formerly quite widespread, though always sparse, on the magnesian limestone and now reduced to the southernmost part of its former coastal range.

Hart Warren Golf Course, at several locations on the edge of the dunes.

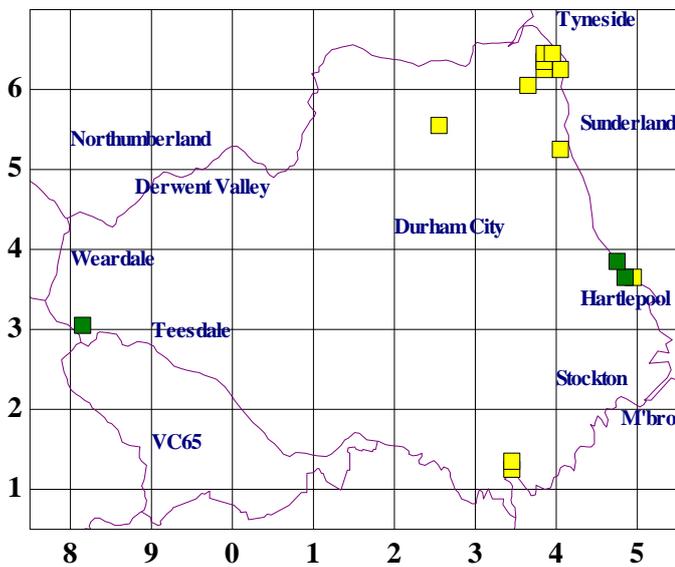
There is also a recent record from Widdybank in Upper Teesdale

31/05/06	NZ489364	Hart Warren	CNFC
07/06/06	NZ489365	Hart Warren edge of golf course	McKay, Dr M
02/06/04	NY81513064	Widdybank	C Metherell

Neotinea ustulata



Neotinea ustulata



Neottia nidus-avis Bird's Nest Orchid

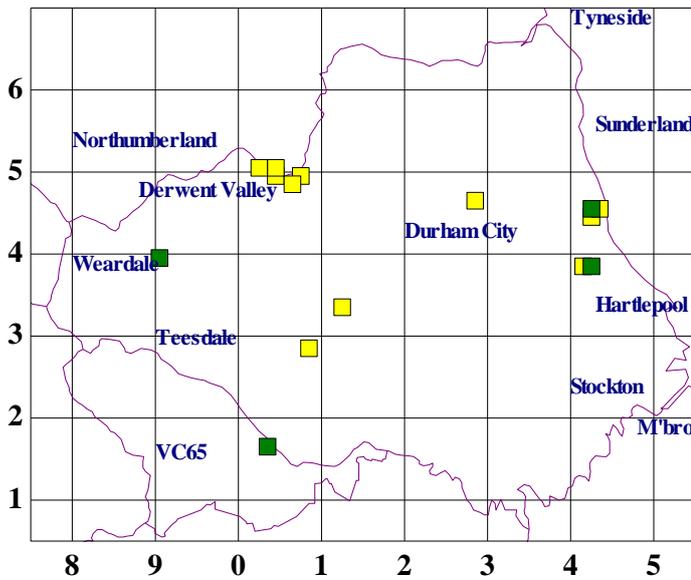
National Status Near Threatened
 County Status Rare

Rare (<25 flower spikes in all) and sparse in beech and yew stands in the coastal denes, and in oak woodlands in the Derwent Gorge area. The Deepdale (VC65) site is amongst Water Avens under ash/hazel. All of the sites have less than ten flowering spikes each year. Only seen recently at Castle Eden Dene, Hawthorn Dene, Slit Wood and Deepdale.

Conservation- Castle Eden Dene is a National Nature Reserve, Hawthorn Dene an SSSI, and Deepdale a LWS.



Neottia nidus-avis



15 Jun 2011	NZ42886 45422	Hawthorn Dene	Peter Wilkinson
June 1997	NZ4291 4543	Hawthorn Dene	A and M White
09/06/98	NZ427389	Castle Eden Dene	J L Durkin
1979	NZ418387	Castle Eden Dene	Graham et al
14 Jun 2003	NZ42554 38964	Castle Eden Dene	J L Durkin
06 Aug 1974	NZ121330	North Carr Wood	Burnip, M.
2015	NY906390	Slit Wood	Falgunee Sarker
1975	NZ063487	Low Horsleyhope	Graham et al
06/05/1973	NZ04NE	Sneap	Swan, Prof G.A.
Aug 1983	NZ072497	Bog Wood, Healeyfield	Lowe, M.R.
28/06/2015	NZ03217 16366	Deepdale Wood	J L Durkin

Nardus stricta **Mat Grass**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham.
Sites are too many to list.

Nepeta cataria **Cat-mint**

National Status Vulnerable
County Status Rare

Jun 1973	NZ411558	Hendon Railway	Hall, Mr D.
----------	----------	----------------	-------------

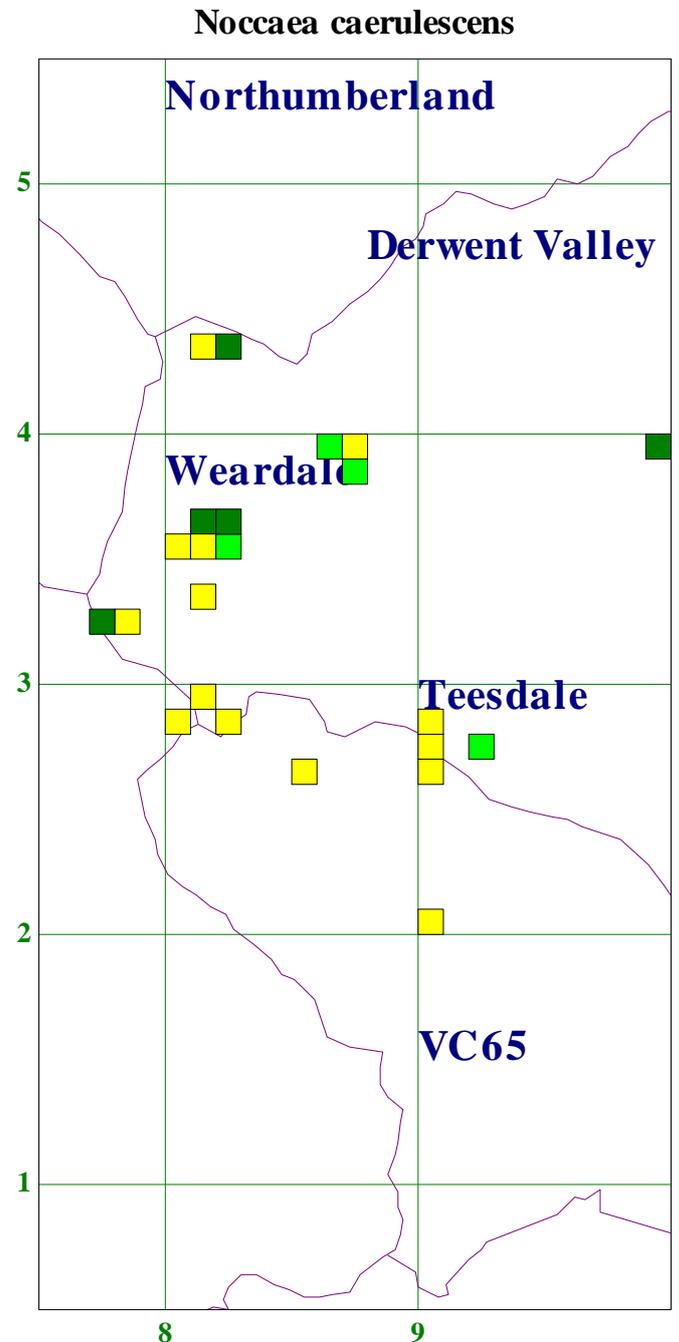
Noccaea caerulescens
Alpine Penny Cress

National Status Scarce
 County Status Scarce

On limestone soils with lead mining spoil in upper Teesdale and upper Weardale.

31/08/15	NY808353	Ashgill Head mine	Richard Friend and Lizzie Maddison
Jul-91	NY867390	Blackdene Mine Railway LWS 3.02	Valerie Standen
Jul-91	NY879384	Bridge End Railway, St. John's Chapel LWS 3.03	Valerie Standen
08-Aug-97	NY829359	Coldberry End	McCutcheon D.E.
13/06/06	NY779327	Crookburn Foot	Robson, Craig
09-Jun-06	NY81783637	Great Stony Hill	Robson, Craig
	NY82193639		
21/08/10	NY823434	Killhope	A McLay
1991	NY826430	Killhope Wheel LWS 3.6	Buchanan, P T
11-Jul-87	NY924274	Newbiggin	Burnip, M.
18/10/97	NY924275	Newbiggin	Sykes, M.
25/05/00	NY9939	Stanhope	Moses, G W

Conservation- Some of the sites are in the Upper Teesdale National Nature Reserve.



***Nymphoides peltata* Fringed Water Lily**

National Status Scarce
County Status Scarce, planted

Sometimes established in large numbers, though rarely persisting for long, for example at James Steel Park, Stargate Pools, Croxdale Hall, Wynyard, Brasside and Van Mildert College.

***Oenanthe lachenalii*
Parsley Water Dropwort**

National Status Least Concern
English Status Near Threatened
County Status Rare

18 Sep 1974	NZ432430	Horden Dene	Burns, Mrs M.
30 Jul 2000	NZ5228	Seaton Sands	DTNFC

***Oenanthe aquatica*
Fine-leaved Water Dropwort**

National Status None
County Status Rare

For many years known only from the Butterby SSSI, where it is abundant, but found by Jonathan Shanklin on the other side of the River Wear in 2014.

21 Jun 2011	NZ277387 NZ276386 NZ276387 NZ276388	Butterby Oxbow SSSI	JLDurkin
21/08/14	NZ2792 4046	Houghall	Jonathan Shanklin

Oenanthe fistulosa
Tubular Water Dropwort

National Status Vulnerable
 English Status Vulnerable
 County Status Scarce

In marshy places, banks of ponds and ditches, wet ridge-and-furrow pasture.

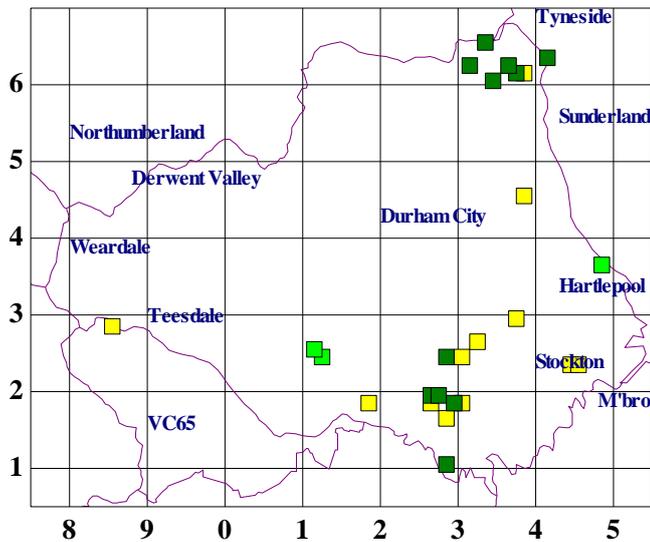
There are three centres of distribution, South Tyneside, the Skerne catchment, and Cockfield Fell.

Plants from Boldon Flats LWS were transplanted to newly created wetlands nearby in South Tyneside in the 1990s, and are now well established.

Conservation- Hell Kettles is an SSSI. Part of the Boldon Flats population is within the Boldon Pastures SSSI, the rest is in a South Tyneside Council Local Wildlife Site.

24/08/10	NZ1818	Headlam	Moses G W
04/07/15	NZ281108	Hell Kettles SSSI	Sarker, Falgunee
01/08/09	NZ280109	Hells Kettles, Double Kettle	Sarker, Falgunee
June 2013	NZ319624	Monkton Fell pond	John Liam Durkin
22/07/10	NZ340608	Mount Pleasant Marsh	Clare O'Reilly
04/09/07	NZ340609	Mount Pleasant Marsh	Clare O'Reilly
14/06/13	NZ338650	Straker Street Pond, Jarrow	John Liam Durkin
06/09/07	NZ366622	Tilesheds	J O'Reilly
22/06/10	NZ367621	Tilesheds	Julia Quinonez
06/09/07	NZ418633	Whitburn Point	J O'Reilly
12/07/10	NZ412633	Whitburn Point	John O'Reilly

Oenanthe fistulosa



Ophrys insectifera **Fly Orchid**

National Status Vulnerable
 County Status Rare

In open woodland in the coastal dunes. There are no recent records.

Conservation

Castle Eden Dene is a National Nature Reserve.

Hawthorn Dene is an SSSI.

1982	NZ4138	Castle Eden	GGG
1953	NZ4245	Hawthorn Dene	Unknown

17-Sep-07	NZ285240	Aycliffe Nature Park	Clare O'Reilly
06/09/07	NZ378615	Boldon Flats	J O'Reilly
1995	NZ378614	Boldon Flats	Durkin, J.
2010	NZ26898 19032	Burtree Gate Marsh	Wildflower Ark
2010	NZ27739 19693	Coatham Grange Marsh	Wildflower Ark
2010	NZ27776 19526	Coatham Grange Marsh	Wildflower Ark
30-Aug-99	NZ117254	Cockfield Fell	GG and P S Graham
	NZ126248		
	NZ117254		

Ornithopus perpusillus

Bird's Foot

National Status None
County Status Scarce, declining.

All modern records are from the "sand quarry grasslands" in the Blaydon-Ryton area, where this species is part of a small suite of scarce species restricted to this part of the county.

30-May-04	NZ1561	Barlow Burn, east	McLay, A
26/08/10	NZ170629	Blaydon Burn LNR	McLay, A
15-Jul-07	NZ163625	Blaydon Quarry	A Mclay & B Pollinger
08-Oct-10	NZ1663	Path Head Quarry	J L Durkin
20/06/11	NZ167629	Stargate	A McLay
18-May-98	NZ163633	Stargate	Young, G.
09-Apr-07	NZ1663	Stargate Pond	Andy Mclay

Orobanche alba

Thyme Broomrape

National Status Scarce
County Status Extinct

NZ92
"Yorkshire" side of the Tees, vc65, 1941, F.A. Lees.

No recent records.

Orobanche hederæ **Ivy Broomrape**

National Status Vulnerable
County Status Extinct hortal

Appeared as a casual on ivy in the garden of Professor J W H Harrison at Birtley.

No recent records.

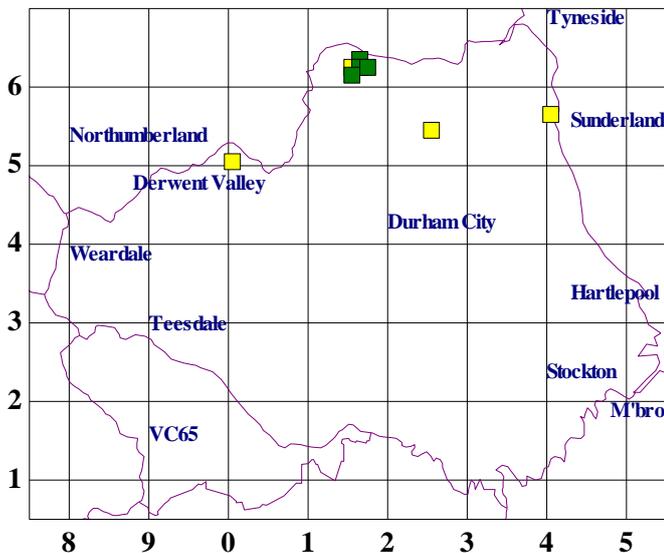
Orobanche rapum-genistæ
Greater Broomrape

National Status Near Threatened
County Status Rare, perhaps extinct

The two most recent records are probably the same site. Not seen recently.

1992	NZ0250	Burnhope Burn	Rob Strachan
11/08/99	NZ0351	Roger Hill, near Derwent Reservoir	Terry Coult

Ornithopus perpusillus

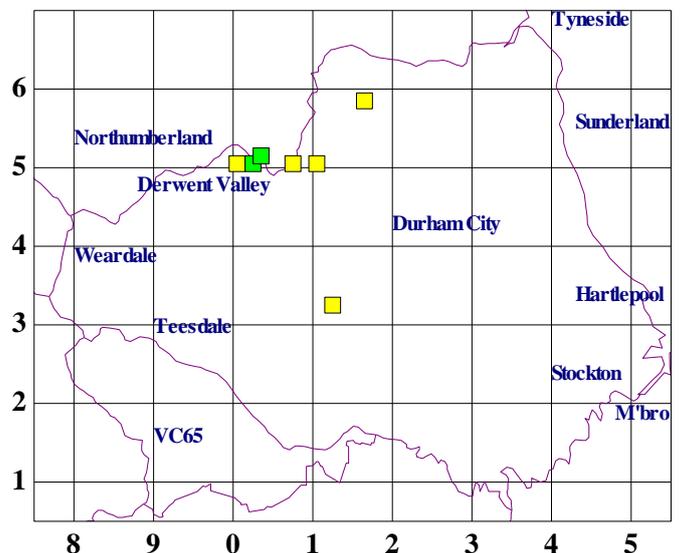


Ononis spinose **Spiny Restharrow**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Orobanche rapum-genistæ



Osmunda regalis**Royal Fern**

National Staus
County Status

None
Rare

Rare but surviving at South Burn Wood, re-introduced at Lintzford and introduced at Washington Waterfowl Park.

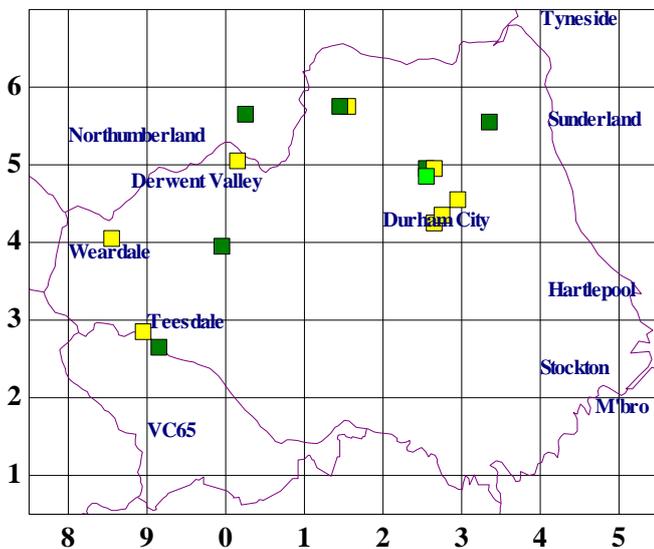
Oxalis acetosella **Wood Sorrel**

English Status
County Status

Near Threatened
Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

18 Jun 2006	NZ146576	Lintzford Wood	McLay, A
17 Sep 2009	NZ3355	Washington Waterfowl Trust	John Liam Durkin
20 Sep 1974	NZ255491	NE side of South Burn	Wheeler, Dr B.D.
16 Jul 1998	NZ254489	South Burn Wood	John Liam Durkin
17 Jul 2001	NZ254490	South Burn Wood	John Liam Durkin
05/07/15	NY996397	Ashes Quarry	Weardale Naturalists
2015	NY912261	Fairy Glen (VC65)	Linda Robinson

Osmunda regalis**Papaver argemone****Prickly Poppy**

English Status
County Status

Endangered
Rare casual

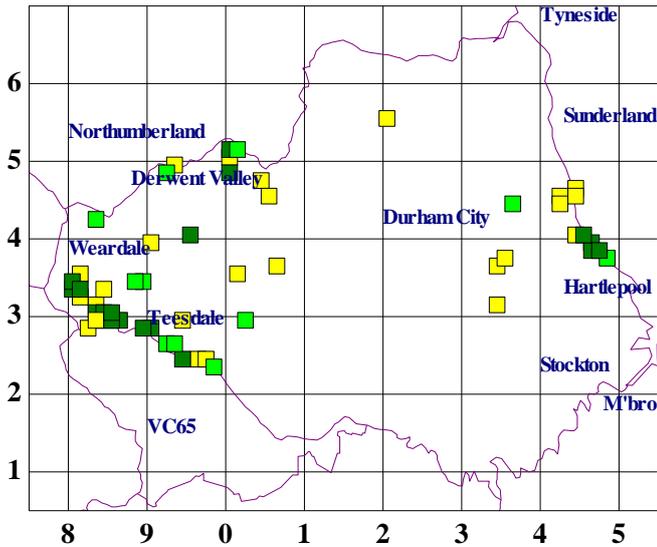
31-Jul-05	NZ300357	Tursdale Junction arable field	John O'Reilly
-----------	----------	--------------------------------	---------------

Parnassia palustris
Grass of Parnassus

English Status Vulnerable
 County Status Occasional

Declining on the Magnesian Limestone at a greater rate than on the Permian. Many recent records are in Upper Teesdale, by John O'Reilly..

Parnassia palustris



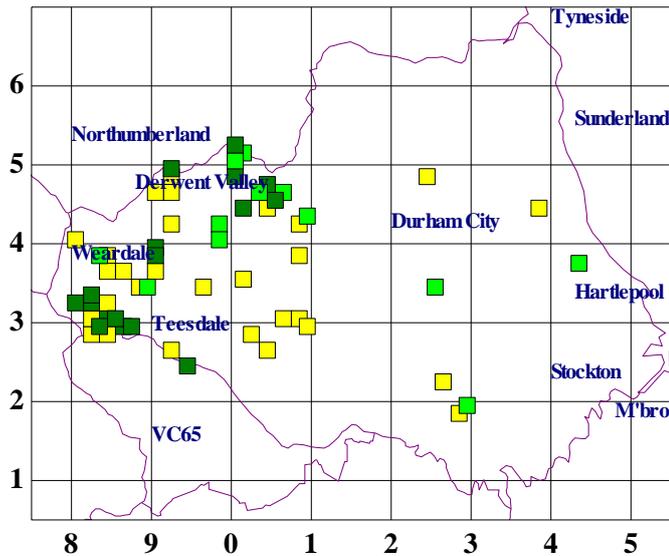
18-Aug-09	NY80717 34064	Comber Hill	John O'Reilly
18-Aug-09	NY80933 33858	South of Hill End	John O'Reilly
18-Aug-09	NY81087 33742	South of Hill End	John O'Reilly
18-Aug-09	NY81393 33404	South of Clover Yard	John O'Reilly
18-Aug-09	NY81414 33412	South of Clover Yard	John O'Reilly
Sep-96	NY833424	Killhope Bank	Heney. S.
28-Jun-08	NY840300	Widdybank Pasture	John & Clare O'Reilly
12-Aug-09	NY839309	along Sand Sike	John O'Reilly
	NY840309		
	NY841309		
04-Jul-09	NY84210 30970	Sand Sike	John O'Reilly
08-Jul-09	NY84338 30938	Sand Sike	John O'Reilly
04-Jul-09	NY84382 30922	Sand Sike	John O'Reilly
30-Jun-06	NY844298	Cetry Bank	Wood, D and

			Woods, M
07-Aug-09	NY850300	allotment SW of Sayer Hill	John O'Reilly
Aug-08	NY8529	Harwood Beck	John Liam Durkin
07-Aug-09	NY855300	S of Saur Hill Bridge	John O'Reilly
07-Aug-10	NY860296	Haugh Hill	Andy Mclay
12-Jul-06	NY8629	River Tees, up-river of Cronkley Bridge	Ann & Gordon Young
08-Sep-90	NY894346	Swinhope Moor CWS	Valerie Standen
17-Jul-93	NY9326	Dent Bank	Graham G.G.
01-Jun-91	NY94J	Castleberry Cleugh	Graham G.G.
31-Jul-02	NY9841	Stanhope Burn, N of stone bridge	Ann & Gordon Young
1992	NY983237	Egglesburn Shingle Bank CWS	Valerie Standen
31-Aug-12	NZ0048	Harehope Burn	Angel, J and Horsley, A
07-Aug-12	NZ009518	Pow Hill Bog	Amy Christie
Feb-92	NZ029298	Hamsterley Forest CWS	Valerie Standen
1988	NZ0447	Hisehope Burn SSSI	English Nature
Jul-98	NZ363443	Pig Hill	Coles, A.
23-Jun-90	NZ4540	Castle Eden Dene Mouth	Mitchell, D.N.
21-Sep-07	NZ459402	Hart Warren SSSI	CM Port, D Mitchell, R Jackson
16-Jul-14	NZ465395	Blackhall Rocks, Blue House Gill	Ruth Jackson
2011	NZ475382	Cross Gill	Richard Hockin
10-Jun-90	NZ4837	Crimdon Park area	Mitchell D.N.

***Pedicularis palustris* Marsh lousewort**

English Status Vulnerable
County Status Occasional, declining

Pedicularis palustris

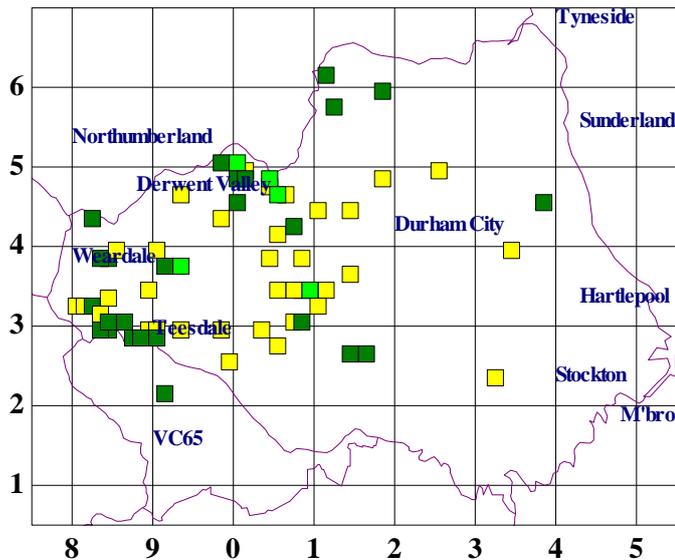


19-Jun-09	NY821333	S of Force Foot	John O'Reilly
28-May-09	NY822327	Meadow N of Marshes Gill	John O'Reilly
2008	NY837299	Widdybank Fell	Jeremy Roberts
03-Jul-09	NY83B	Stoney Hill & Herdship farms	John O'Reilly
28-Jun-08	NY840300	Widdybank Pasture	J & C O'Reilly
30-Jun-06	NY8530	Langdon Beck	Wood, D and Woods, M
20-Jun-08	NY865293	along stream in meadows S of Wat Garth	John O'Reilly
20-Jun-08	NY8729	Forest-In-Teesdale	John O'Reilly
27-Jul-09	NY9039	Middlehope Burn	Andy Mclay
29-Sep-05	NY922496	Red Braes,	J L Durkin
28-May-07	NY93E	Slit Wood	A & G Young
05-Sep-98	NY9840	Burnhope Burn	McCutcheon, D.E.
31-Jul-02	NY986427	Stanhope Burn, N of stone bridge	Young, G.
31-Aug-12	NZ0048	Harehope Burn	Angel, J and Horsley, A
31-Aug-11	NZ0052	Pow Hill Heath	J L Durkin
02-Aug-00	NZ0151	Pow Hill Country Park	Young, G.
31-Aug-11	NZ007522	Hunter House Plantation	J L Durkin
27-Jul-10	NZ016442	Waskerley Reservoir: Shield Green	Andy Mclay
15-Jul-97	NZ0346	Round Hill Bog	Mccutcheon, D.E.
06-May-11	NZ042474	Seavy Sike	Andy Mclay
21-Jun-98	NZ042477	Hise Hope	Coles, Mr A.
06-May-11	NZ047472	Goldhill Edge	Andy Mclay
Aug-11	NZ058459	Nanny Mayer's Railway LWS	J L Durkin
1996	NZ257348	Cow Plantation CWS	Robson, Terry
21-Jul-98	NZ292198	Redcar Field SSSI	DTNFC
Jul-95	NZ434370	Hulam Fen	Sutcliffe, M.

***Pedicularis sylvatica* Lousewort**

English Status Vulnerable
 County Status Occasional, declining

Pedicularis sylvatica



21/08/10	NY823434	Killhope	Andy Mclay
13-Jul-08	NY8329	Widdybank Farm	Simpson, G.
29-Jun-11	NY8338	Burnhope Moor	Andy Mclay
2009	NY83G	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly
19-Jun-09	NY83K	Sayer Hill & Intake farms	John O'Reilly
16-Jun-06	NY83Q	Underhurth	John O'Reilly
13-Jul-09	NY8338	Far High House Meadows SSSI	Baines, Miriam and Amy Christie
	NY840382		
30-Jun-06	NY844298	Cetry Bank	Wood, D and Woods, M
27-Jun-07	NY8728	Yea Hill	John O'Reilly
13-Jun-09	NY9028	Bowlees	DTNFC
23-Jul-08	NY9137	Field Head	J O'Reilly & Fiona Corby
1997	NY9337	Westernhope	McCutcheon, D.E.
25-Jul-98	NY94SE	Stanhope Burn, N of stone bridge	A & G Young
13-Jun-96	NY983509	Ruffside	Graham G.G.
08-Jul-00	NY982508	Ruffside	Andy Mclay
31/08/12	NZ0048	Harehope Burn	Angel, J and Horsley, A
12-Jul-10	NZ0148	Harehope Burn	Andy Mclay
21-Apr-07	NZ03V	Hamsterley Forest	John O'Reilly
21-Jun-98	NZ044486	Hise Hope	Coles, A.
Jun-95	NZ058464	Middles West CWS	Stobbs, J.
02-Jul-99	NZ05A	Pow Hill Country Park	Young, G.
23-Jun-08	NZ071421	Tunstall Reservoir	Andy Mclay
01-Jun-11	NZ1161	The Guards	A Mclay, B Pollinger
14-Jun-10	NZ1257	Tongue Burn Meadows	J L Durkin
15-Jul-06	NZ12N	Ramshaw area	DTNFC
15-Jul-06	NZ12T	Spring Gardens area	DTNFC
04-Jun-11	NZ1859	Owlet Hill	Andy Mclay
2011	NZ388455	South Hetton SSSI	Richard Hockin

***Persicaria minor* Small Water Pepper**

National Status Vulnerable
County Status probably extinct

Marshy places.

18-Jun-94	NZ2945	Brasside Pond	NNU
-----------	--------	---------------	-----

***Phleum arenarium* Sand Cat's Tail**

National Status None
English Status Near Threatened
County Status Scarce, declining.

27/06/13	NZ5328	North Gare sands	Cleveland Naturalists
09/05/07	NZ5356 2818	North Gare sands	A & G Young
	NZ5372 2822		
	NZ5384 2830		
	NZ5369 2846		
1988	NZ5370 2839	Seaton Dunes and Common	Radley, G.P.
	NZ5290 2910		

***Persicaria mitis*
Tasteless Water-Pepper**

National Status Vulnerable
County Status Rare

Marshy places.

Plentiful in a swampy field near Beamish
1952 Professor J W H Harrison.
Wet hollows in field next to Pockerley Pond
SSSI, probably the same site, John Durkin.

31-Jul-05	NZ222554	Near Pockerley Farm Pond	John Liam Durkin
-----------	----------	--------------------------	------------------

***Pilularia globulifera* Pillwort**

National Status Near Threatened
County Status Extinct or doubtful

No recent records.

***Pinguicula vulgaris* Butterwort**

English Status Vulnerable
 County Status

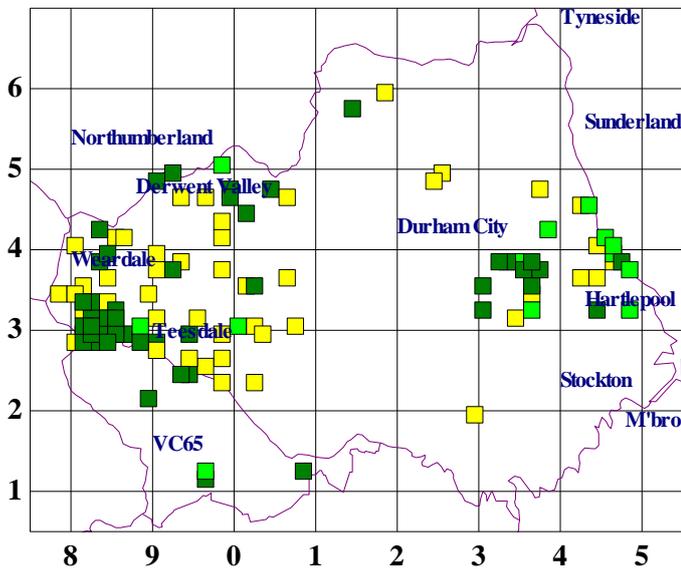
There are too many sites to list (90). This plant has three habitats in the county. Most of its sites are on wet ground and thin soils in the Pennines, with a smaller number on wet, thin Magnesian limestone soils. The most northerly site is at Chopwell Crags, where it grows on wet vertical riverbank tufa.

***Pinus sylvestris* Scots Pine**

National Status Scarce
 County Status Frequent, planted

Sub-fossil Scots Pine remains are frequent in peat in the upper Derwent Valley, creating speculation that the occasional moorland pines could be native. However, they are almost certainly planted or self-seeded from planted trees. The photo shows Feldon Burn, where there are occasional Scots Pines in birch/rowan/juniper stands.

Pinguicula vulgare



***Plantago media* Hoary Plantain**

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

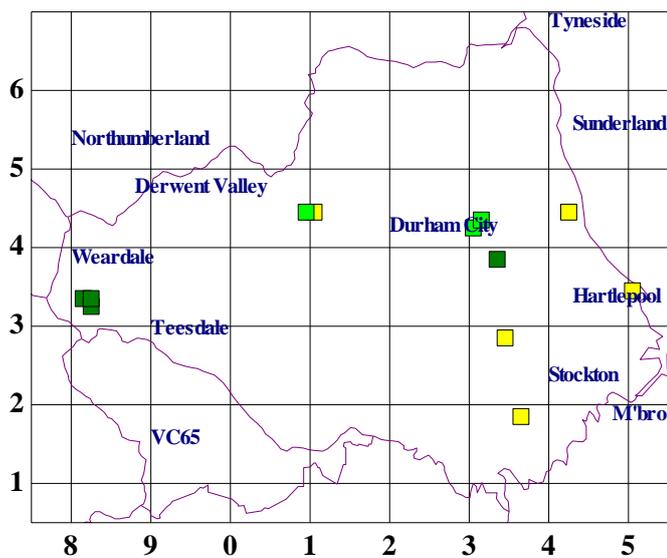
Platanthera bifolia
Lesser Butterfly Orchid

National Status Vulnerable
 County Status Rare

Heathy pastures.
 Probably gone from Broomside Scrambles.

12/08/09	NY8187833540	Between Force Foot and Rigg Side	John O'Reilly
02/07/09	NY8225433476	Force Foot meadow	John O'Reilly
	NY8224533518		
2009	NY8232	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly
24/07/08	NY331384	Cassop Vale	Alison Hiles
Aug-90	NZ0944	Butsfield & Quick Burn LWS 1.13,	Valerie Standen
16/06/95	NZ3143	Broomside Scrambles	Graham, Rev G.G.

Platanthera bifolia



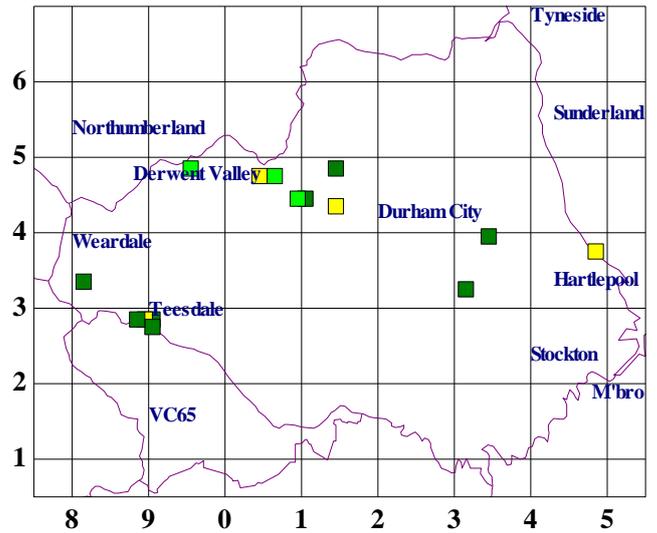
Platanthera chlorantha
Greater Butterfly Orchid

National Status Near Threatened
 County Status Scarce

In meadows and pastures on base rich soil.
 The Riggside site had three to four hundred flowers in 2014.

04/07/14	NY819334	Riggside, Harwood	BSBI trip
04/07/14	NY818334	Riggside, Harwood	BSBI trip
04/07/14	NY818335	Riggside, Harwood	BSBI trip
04/07/14	NY819335	Riggside, Harwood	BSBI trip
04/07/14	NY818336	Riggside, Harwood	BSBI trip
Jun-99	NY901279	Winch Bridge	Coles, A.
16-Jul-02	NY9027	West Farm	Schober M
28/06/06	NY90752835	Bowlees Pasture LWS 6.11	M Atkinson
28/06/06	NY90752850	Bowlees Pasture LWS 6.11	M Atkinson
Aug-97	NY9548	Bolt's Burn, Ramshaw, LWS 3.48	Valerie Standen and G Batey
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen
21/06/06	NZ10634430	Byerleyhouse Wood	Keith Cunningham
10-Jun-05	NZ143481	Hurbuck Meadow	A & G Young
15-Jun-05	NZ149480	Lanchester Way, North side of track	Ann & Gordon Young
10/06/07	NZ31923265	Thrislington, comp'ment 6	A & G Young
15-Jun-05	NZ345396	A181, Signing Bank, central reservation	M Appleby, P Hannaby, A Lees and Julie Stobbs

Platanthera chlorantha



***Polemonium caeruleum* Jacob's Ladder**

National Status Nationally Rare
 County Status Scarce, hortal

Hortal, established for some time along the River Wear, and at Castle Eden Dene. Widespread as a casual hortal.

There are native sites in Northumberland, so the old record "Meadows above the road near the High Force Inn" 1895 F J Hanbury (BM) is interesting.

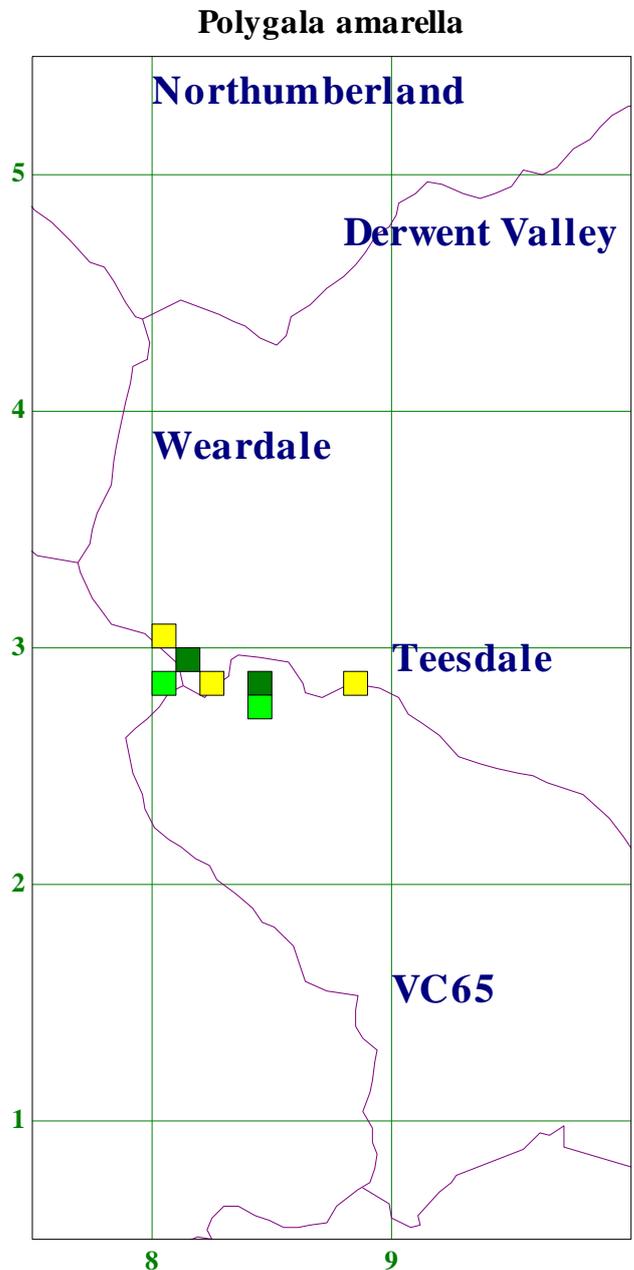
***Polygala amarella* Dwarf Milkwort**

National Status Endangered
 English status Endangered
 County Status Rare

"Sugar limestone" soils on Widdybank and Cronkley Fells.

Conservation- All of the sites are in the Upper Teesdale National Nature Reserve.

2007	NY817294	Widdybank Fell	Bradshaw M
Sep-91	NY817298	Widdybank Fell	White, A.
2007	NY842283	Cronkley Fell	Bradshaw M
1994	NY841279	Cronkley Fell	Findlay, I.
1994	NY841281	Cronkley Fell	Findlay, I.
22/06/99	NY842283	Cronkley Fell enclosure	Jones, Vincent



***Polystichum lonchitis* Holly Fern**

National Status Vulnerable
 County Status Rare

Limestone outcrops at Falcon Clints and Black Ark, Cronkley.

Populations were badly affected by collecting in the 19th century, and in 1920 G W Temperley and RBC found only five plants at Falcon Clints.

Currently there are about 25 plants in three groups at Falcon Clints. A fourth group, the westernmost, has died out in recent years. Most plants are long-established, but there are young ferns in the main site.

At Cronkley, there is possibly only one plant.

Conservation- All of the sites are in the Upper Teesdale National Nature Reserve.



Rowan Crag



Main Falcon Clints site



Young plants at Falcon Clints

2011	NY8249828136	Falcon Clints, east limit of main site	J L Durkin
2011	NY8244828120	Falcon Clints, west limit of main site	J L Durkin
2011	NY8232828111	Falcon Clints, rowan crag	J L Durkin
2011	NY8226028102	Falcon Clints, spring crag	J L Durkin
1998	NY8171628411	Falcon Clints, underhang	J L Durkin
03/07/09	NY84522776	Black Ark	L Robinson K J Walker
28/01/75	NY843279	"Cronkley Scar"	L. Farrell

Potamogeton coloratus Fen Pondweed

National Status Scarce
 County Status Extinct

Formerly at Hell Kettles SSSI, south of Darlington. There are many museum specimens.

There are no recent records.

All of the Potamogetons are poorly recorded in the county.

Potamogeton obtusifolius Blunt-leaved Pondweed

National Status None
 County Status Scarce, declining.

1995	NZ328488	Joe's Pond	Sunderland LWS records
01-Sep-10	NZ122631	Bradley Hall Lake	J L Durkin
1986	NZ278504	Chester-le-Street	GGG
20-Jun-80	NZ368313	Mill House	GGG
2011	NY990348	Bollihope reservoir	D. Shimwell

Potamogeton lucens Shining Pondweed

National Status None
 County Status Possibly extinct

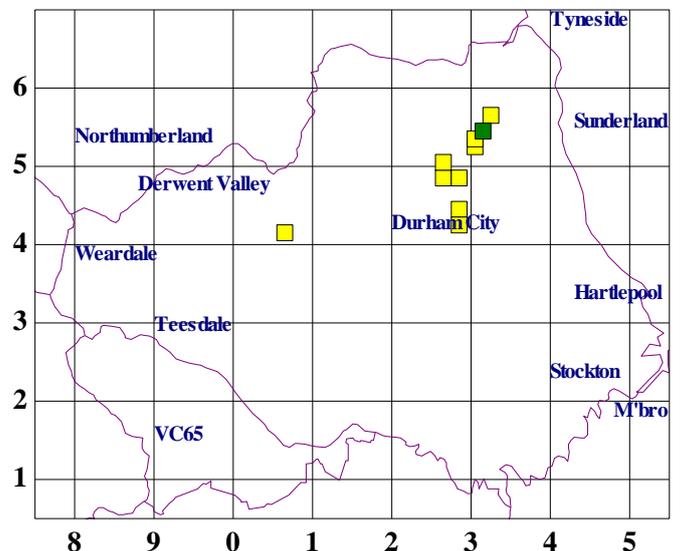
08 Jul 1975	NZ065407	Tunstall Reservoir	Burnip, Mrs M.
-------------	----------	--------------------	----------------

Potamogeton perfoliatus Perfoliate Pondweed

National Status None
 County Status Scarce, declining.

Jul-10	NZ316540	James Steel Lake	J L Durkin
Jun-77	NZ35I	River Wear	Durham Flora
1977	NZ24X	River Wear	Holmes, Dr N.T.H.
	NZ24U		
	NZ25Q		
	NZ24Z		
	NZ35B		
1980	NZ24W	River Wear	Wheeler, Dr B.D.

Potamogeton perfoliatus



Potamogeton praelongus
Long-stalked Pondweed

National Status Near Threatened
 County Status Extinct, doubtful

“Known (previously only) in the sub-fossil condition from Durham, now recorded from the River Wear” 1953, Professor J W H Harrison.

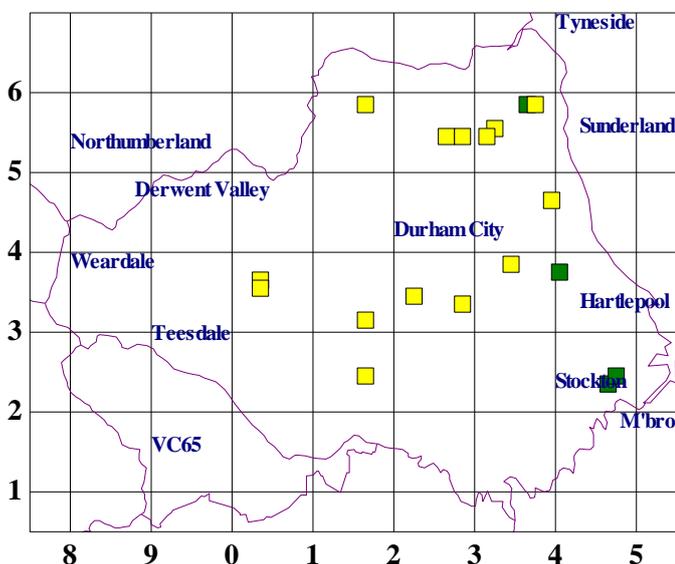
There is no specimen for this doubtful record.

Potamogeton pusillus
Lesser Pondweed

National Status None
 County Status Scarce, declining.

1984	NZ3946	Hesledon Moor East	Natural England
Jul-10	NZ3658	Hylton Dene	J L Durkin
19-Sep-07	NZ4037	Wellfield Brick Ponds Nos 4 & 5	Clare O'Reilly

Potamogeton pusillus



Potentilla crantzii

Alpine Cinquefoil

National Status Scarce
County Status Rare

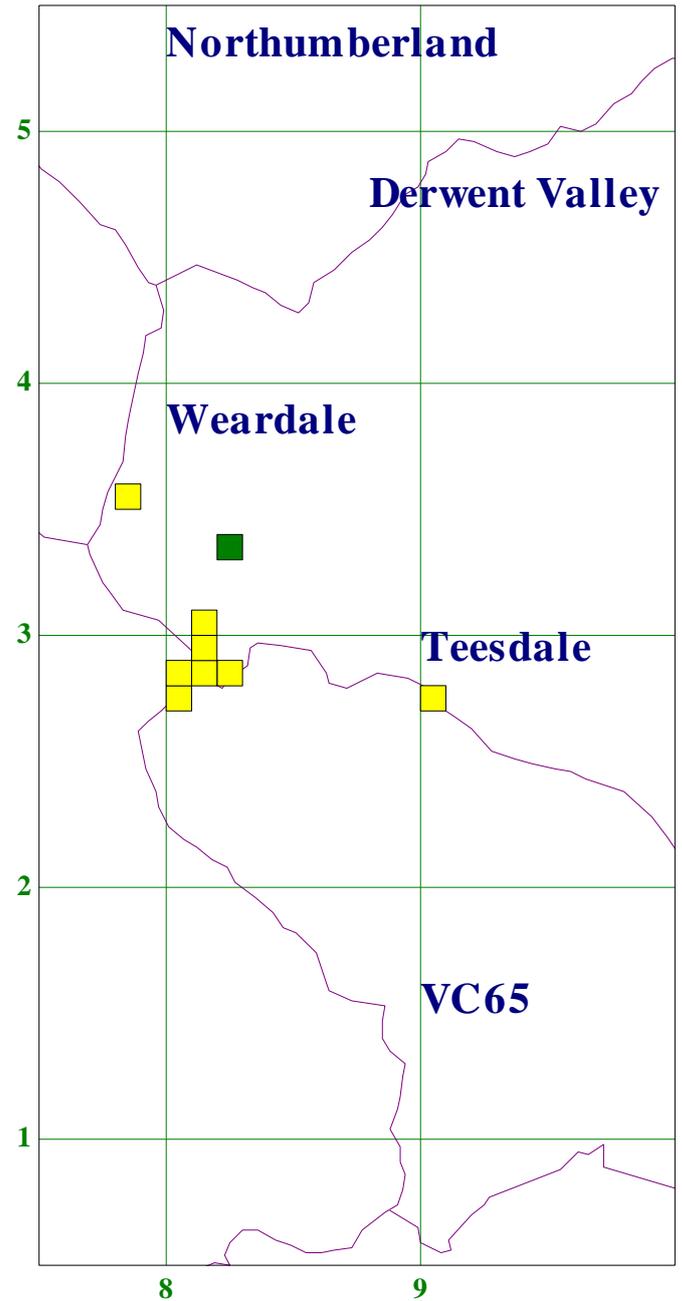
Limestone rock crevices in upper Teesdale.

Conservation- The sites are in the Upper Teesdale National Nature Reserve.

2009	NY82253388	Harwood	Natural England
18/06/79	NY904279	Winch Bridge	Blakemore J
04/07/14	NY8227633895	Tributary gill off Trough Sike	BSBI trip
04/07/14	NY82243395	Trough Sike cliff.	BSBI trip
03/08/09	NY826330	UT NNR unit 21 (Birk Sike)	M Schober



Potentilla crantzii



Potentilla erecta Tormentil

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Potentilla fruticosa Shrubby Cinquefoil

National Status Near Threatened
 County Status Scarce

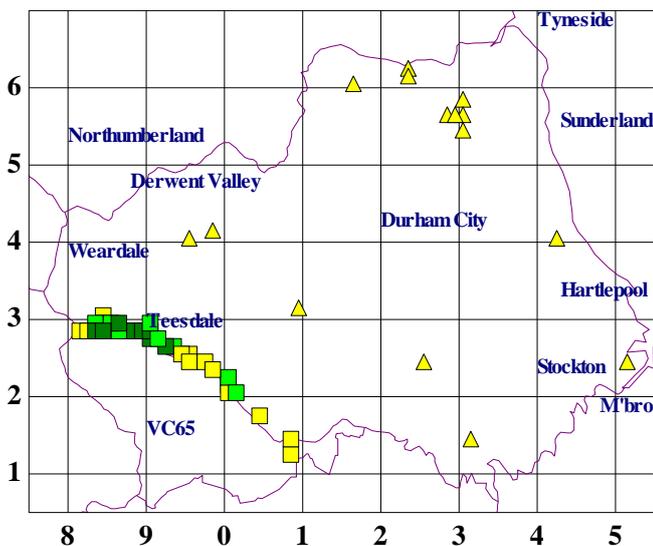
County Durham has a significant proportion of the national distribution of this species.

Along the banks of the Tees from Cauldron Snout to below Barnard Castle, as a native. It is a regular feature of gardens in upper Teesdale, and has been planted elsewhere, particularly in Washington.

Conservation- Many of the sites are in the Upper Teesdale Nature Reserve.



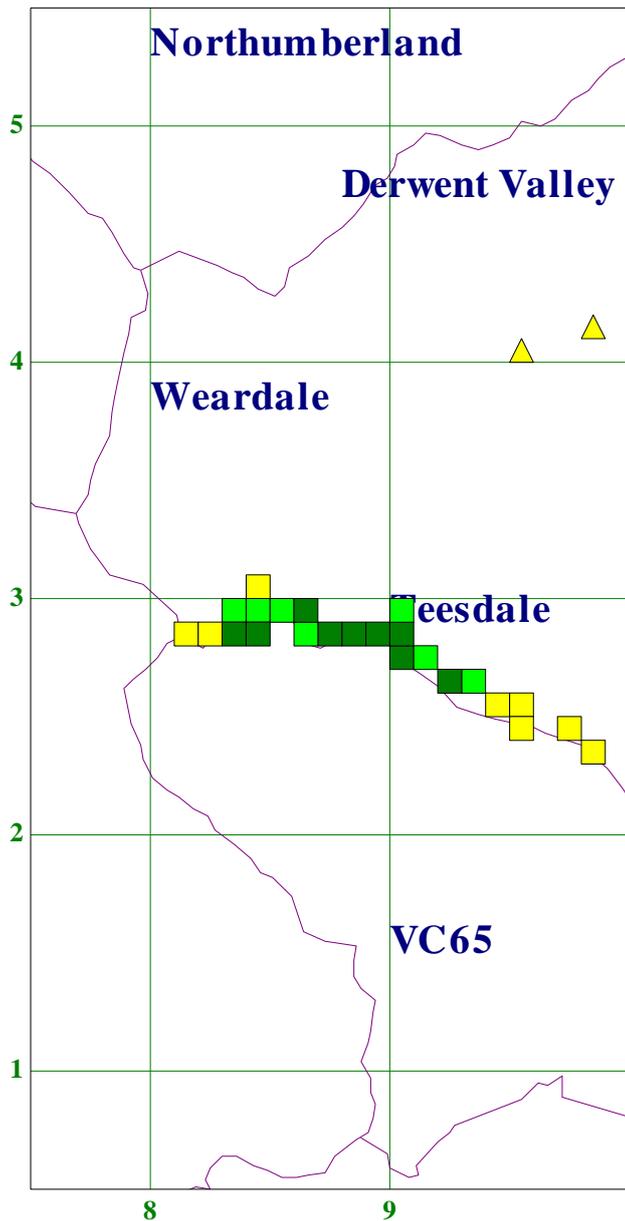
Potentilla fruticosa



Only the Teesdale records are from native sites.

13/06/09	NY903280	Bowlees	DTNFC
07/08/93	NY842299	Brock Holm	GGG
29/09/11	NY835290	Cronkley, south bank of Tees	J L Durkin
	NY835291		
	NY835292		
	NY835293		
	NY834289		
	NY834288		
	NY834287		
	NY8428		
09/09/13	NY835294	Cronkley, S bank of Tees	J L Durkin and SNH
	NY836294		
24-Jul-93	NY870281	Cronkley Scar	GGG
17-Jul-93	NY933260	Dent Bank	GGG
17-Jul-93	NY933264	Dent Bank	GGG
24-Jul-93	NY865285	Dineholm Scar	GGG
27-Jul-93	NY864284	Dineholm Scar	GGG
1993	NZ000226	Great Wood	GGG
31-Jul-93	NY883285	High Force	GGG
	NY880283	High Force, S side of river	John Liam Durkin
	NY881284		
	NY883285		
NY884285			
31-Jul-93	NY886285	Holwick Head Bridge	GGG
15-Jul-08	NY8629	Meadow on W bank of Tees, N of Cronkley Farm	Fiona Corby
25-Sep-93	NZ013206	Near Shipley Wood	GGG
24/10/13	NY903278	Winch Bridge	J L Durkin
1993	NY836295	Raven Scar	GGG
Jul-06	NY871281	River Tees banks, High Force Quarry	J L Durkin
Aug-07	NY925265	River Tees, VC65	J L Durkin
24/10/13	NY893282	River Tees, upstream of Winch Bridge	John Liam Durkin
16/07/93	NY904299	Broadley's Gate	GGG
20/08/93	NY910274	Scoberry Bridge	GGG
14/08/93	NY855295	Wheysike	GGG
14/08/93	NY856295	Wheysike	GGG
08/07/00	NY90382790	Under Winch Bridge	M Atkinson
31-Jul-93	NY900282	Winch Bridge	GGG
2010	NY907276	Winch Bridge Crags	J L Durkin
1993	NY908275	Winch Bridge	GGG
22-Jun-96	NY904270	Winch Bridge, south side	Jones, Vincent

Potentilla fruticosa



Potentilla tabernaemontani
Spring Cinquefoil

National Status Scarce
County Status Rare

A single large site, several patches on fixed dunes and adjacent brownfield land at Crimdon.

13/06/13		Crawcrook	JLD
31-May-06	NZ486367	Hart Warren	Cleveland Naturalists Field Club
14-May-91	NZ489366	Hartlepool Golf Course	Graham, Rev G.G.
09-Aug-83	NZ491363	Hart Warren	Graham, Rev G G.

Primula farinosa Bird's Eye Primrose

National Status Vulnerable
 County Status Scarce

In short turf on damp basic soil, both in Upper Teesdale and on the magnesian limestone. Declining on the magnesian limestone. Formerly also in the Derwent Valley and near Darlington, but now extinct there.

County Durham has a significant proportion of the national distribution of this species.

Conservation- Most of the upland plants are in the Upper Teesdale National Nature Reserve. Almost all of the magnesian limestone populations are in the Durham Coast NNR, the Thrislington NNR or in SSSIs.

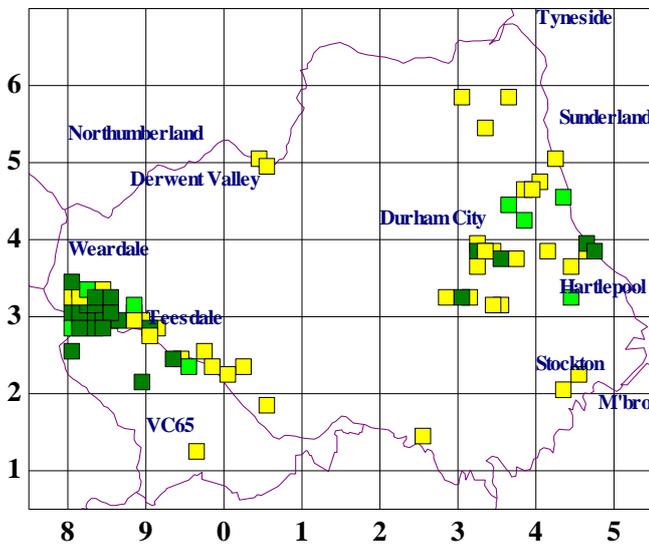
Magnesian Limestone Sites

13/10/93	NZ441326	Beacon Hill, Elwick	C J Lowe
28/05/03	NZ472386	Blackhall Rocks coastal hollow	A & G Young
16/07/14	NZ465395	Blue House Gill	Ruth Jackson
26/06/07	NZ326385	Cassop Vale	Amanda Hunter
28/05/90	NZ4738	Cross Gill area	Mitchell D
1992	NZ365444	Pig Hill SSSI	English Nature
20/11/08	NZ300329	The Carrs	Alison Hiles
12-Aug-09	NZ352373	Town Kelloe Bank SSSI	Hunter, Amanda
1994	NZ388429	Tuthill Quarry SSSI	English Nature

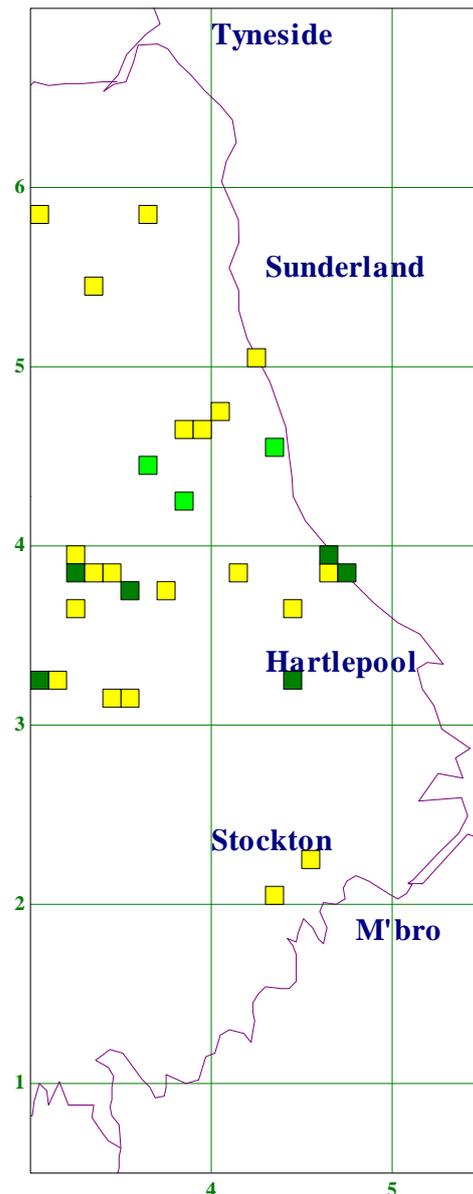


Birds Eye Primrose. Photo by Terry Coult

Primula farinosa



Primula farinosa

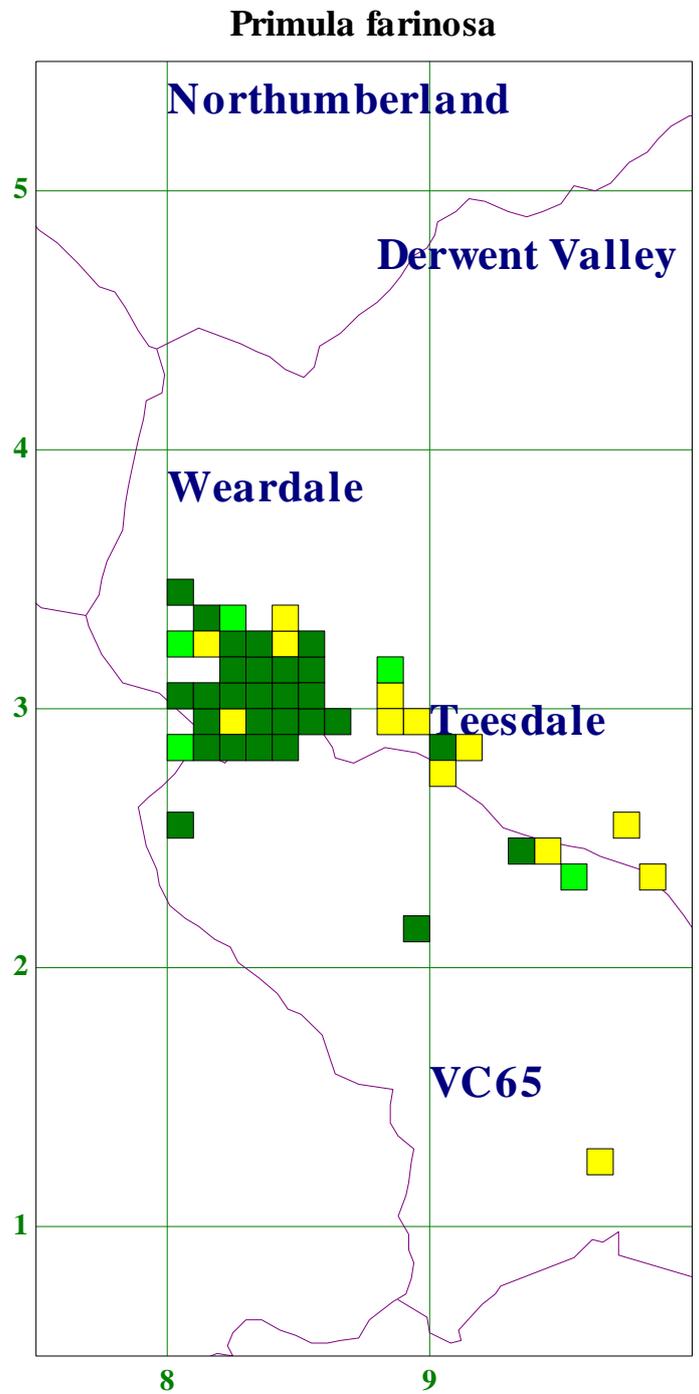


Teesdale Sites VC66 only

18/08/09	NY8076934032	Comber Hill	J O'Reilly
18/08/09	NY8064534082	Comber Hill	J O'Reilly
18/08/09	NY8108733742	SE of Hill	J O'Reilly
		End	
2009	NY811331	Herdship	Natural England
	NY814333		
	NY819335		
01-Jul-06	NY820281	Falcon Clints	Wood D& Woods M
	NY8128		
19/08/11	NY8263028170	Falcon Clints	J L Durkin
10/09/13	NY81513043	Slapestone Sike	J L Durkin and SNH
	NY81503043		
	NY81503042		
19/08/11	NY81523044	Slapestone Sike	J L Durkin
1995	NY81762985	Widdybank	Stephen Willis
2008	NY837299	Widdybank Pasture	Jeremy Roberts
		Widdybank Farm	Simpson, G.
13-Jul-08	NY839299	Widdybank Farm	Simpson, G.
03-Jul-09	NY835317	Harwood Beck	Schober M
04/07/14	NY819334	Riggside, Harwood	BSBI trip
04/07/14	NY818334	Riggside, Harwood	BSBI trip
04/07/14	NY818335	Riggside, Harwood	BSBI trip
04/07/14	NY819335	Riggside, Harwood	BSBI trip
04/07/14	NY818336	Riggside, Harwood	BSBI trip
18/08/09	NY8139333404	South of Clover Yard	John O'Reilly
	NY8141433412		
	NY8139633312		
	NY8127633302		
19/08/11	NY81662943	Red Sike	J L Durkin
06/08/09	NY81703318	Black Hill	J O'Reilly
06/08/09	NY821327	NW of Marshes Gill	John O'Reilly
28-May-09	NY822327	Meadow N of Marshes Gill	John O'Reilly
25-Jul-09	NY8230832278	Pasture west of Binks House	John O'Reilly
	NY8225732282		
25-Jul-09	NY8233832616	Meadow NW of Marshes Gill	John O'Reilly
	NY8230832672		
	NY8229632688		

May-09	NY823318	Marshes Gill (Binks House meadows) & Greenhills farms	John O'Reilly
2009	NY821320	Forest-in- Teesdale	Natural England
2009	NY853310	Langdon Beck Side	Natural England
2009	NY861295	Nr Cronkley Bridge (VC66)	Natural England
04/06/97	NY823333	Force Foot	Doug McCutcheon
25-Jul-09	NY8247931788	Pasture SW of Binks House	John O'Reilly
	NY8248531798		
	NY8241631758		
	NY8246431778		
	NY8242031736		
25-Jul-09	NY8274232400	E of Low End bridge, north bank	John O'Reilly
04-Jul-09	NY8292932674	Slack Sike meadow	John O'Reilly
	NY8297932558		
04/05/91	NY8233	Harwood	Burnip, M
2009	NY82953243	Harwood	Natural England
20/06/00	NY8332	Harwood	Schober M
26-Jun-09	NY8355731838	Meadow SW of Greenhills	John O'Reilly
12/08/09	NY8411730956	Along Sand Sike	John O'Reilly
	NY8393130940		
	NY8389430952		
	NY8391630942		
	NY8412830954		
04-Jul-09	NY8418830968	Sand Sike	J O'Reilly
	NY8421430966		
	NY8439530962		
	NY8442230948		
	NY8434530928		
	NY8443630962		
	NY8436230926		
2009	NY843313	Langdon Beck	Natural England
	NY843314		
07-Aug-09	NY844318	High Combwell Sike	J O'Reilly
2008	NY842301	Widdybank Pasture	Jeremy Roberts
2008	NY847304	Widdybank Pasture	Jeremy Roberts
09/07/00	NY843299	Cetry Bank	M Atkinson
2009	NY848296	Cetry Bank	Natural England
	NY847296		
	NY849298		

07-Aug-09	NY848301	Allotment SW of Sayer Hill	John O'Reilly
	NY850300		
19-Jun-09	NY8528430484	Hunter's Close Bank	John O'Reilly
2009	NY849317	Near Langdon Beck	Natural England
	NY847319		
Jun-99	NY849309	Langdon Beck	Coles, A.
22/05/00	NY8532	Langdon Beck	Schober M
2009	NY853296	Whey Sike	Natural England
	NY853297		
	NY856294		
	NY851296		
	NY850296		
07/08/09	NY851299	Whey Sike	J O'Reilly
30-Jun-09	NY85353102	Bank in meadow across beck from Langdon Beck Side Farm	John O'Reilly
		20/04/08	
23/04/11	NY860296	Haugh Hill	Helen Talbot
28/05/94	NY885311	High Beck Head	GGG
13/06/09	NY9028	Bowlees	DTNFC
27/08/09	NY9324	Crossthaite Common	Schober M
Jun-91	NY954234	Cote House Wood & Marsh, LWS 6.17	Valerie Standen



***Prunus cerasus* Dwarf Cherry**

English Status Near Threatened
 County Status Hortal

Ocassionally planted.

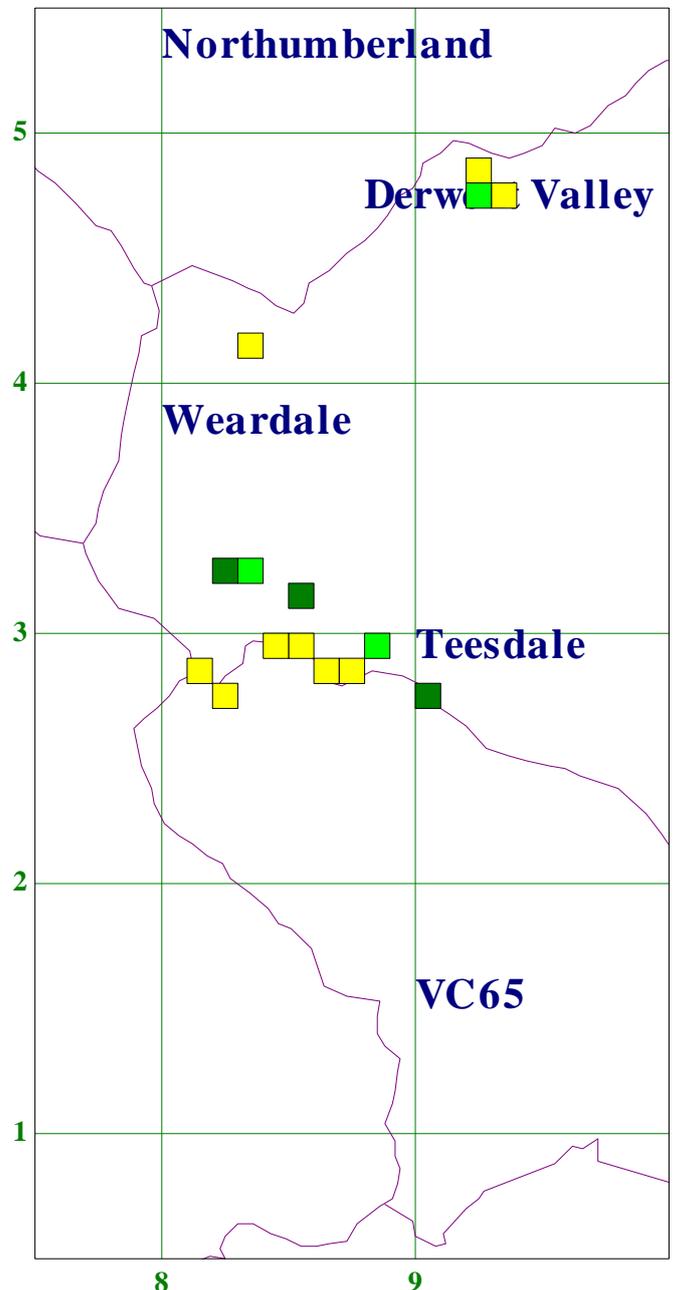
***Pseudorchis albida*
 Small White Orchid**

National Status Vulnerable
 County Status Rare

In upland meadows and on moorland turf.
 Formerly plentiful in the Tees meadows
 between Langdon Beck and High Force.
 Formerly also recorded from upper Weardale
 and still present in the upper Derwent Valley.

21/07/86	NY830414	Cowshill	Stevenson, KR
16/07/93	NY883298	Ettersgill	GGG
2009	NY82923278	Harwood	Natural England
	NY82983268		
10/07/95	NY830325	Lingy Hill	Lowes, M.
13/06/08	NY909273	Meadow by River	John O'Reilly
		Tees	
2009	NY853308	Langdon Beck	Natural England
Jun-95	NY9247	Nookton	Loring, J.

Pseudorchis albida



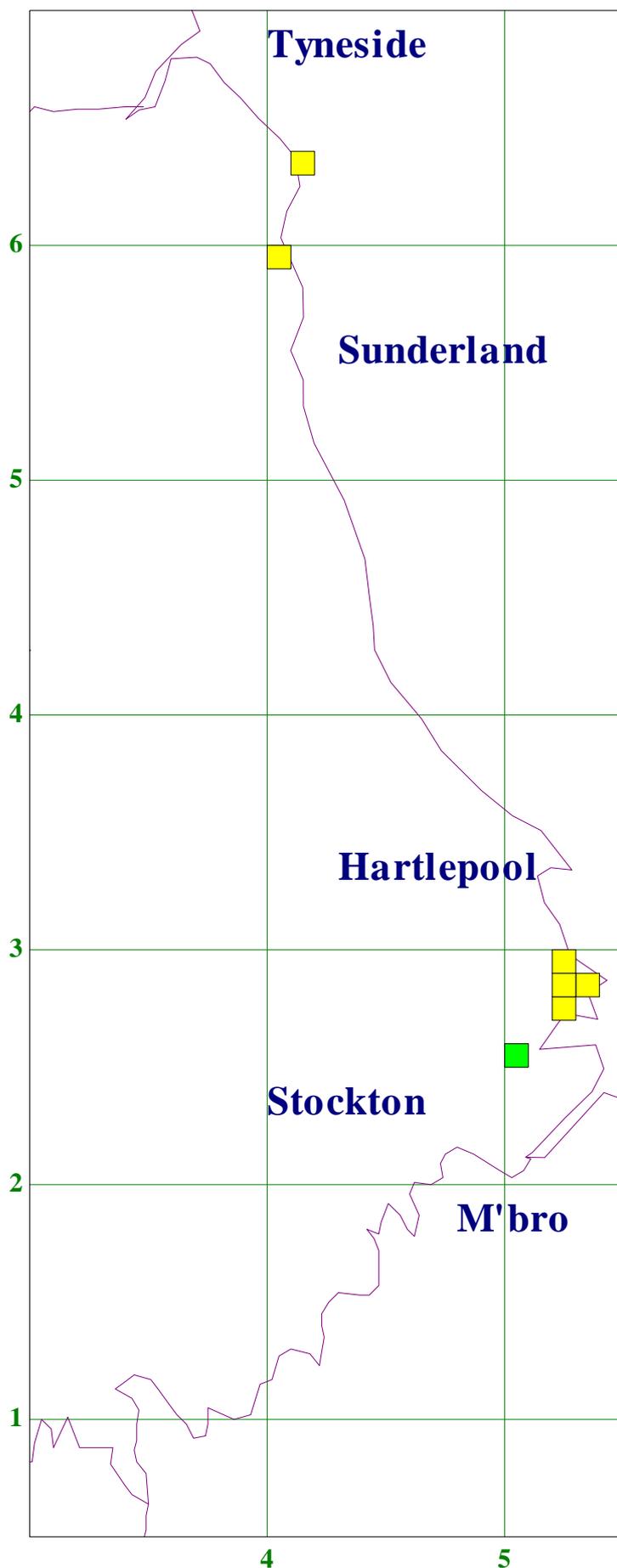
Puccinellia rupestris Stiff Saltmarsh Grass

National Status Scarce
County Status Rare

Open sandy ground near the coast.

30 Jul 1987	NZ527291	Seaton Carew, path SE of.	Appleyard, P.R.
05 Aug 1988	NZ525288	Seaton Carew.	Burnip, M. & Peacock, H.
1994	NZ505252	Cowpen Marsh	Unknown

Puccinellia rupestris



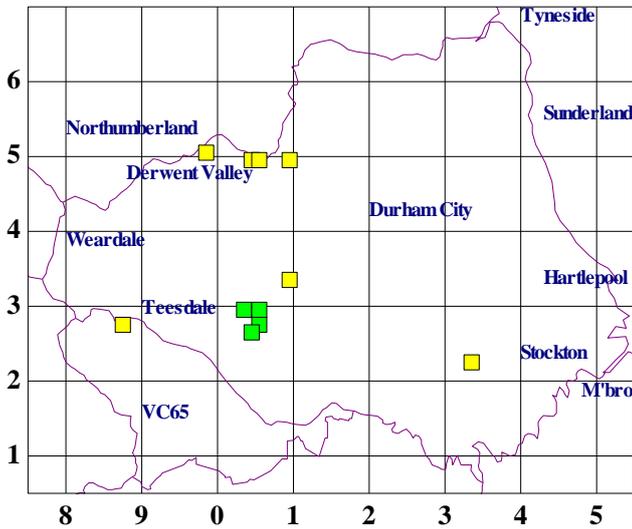
***Pyrola media* Intermediate Wintergreen**

National Status Vulnerable
County Status Rare

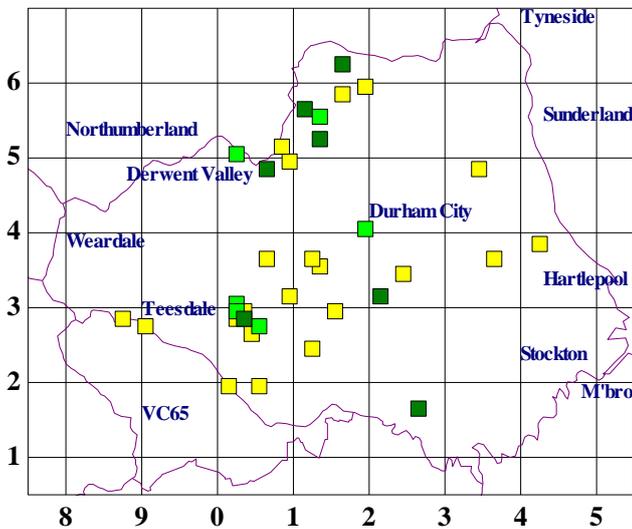
All of the most recent records are from a cluster of sites in Hamsterley Forest.

16-Jul-94	NZ037294	Euden Beck	GGG
Feb-92	NZ041268	Hamsterley Forest LWS Spurlwood Beck	Valerie Standen
Feb-92	NZ050293	Hamsterley Forest LWS	Valerie Standen
Feb-92	NZ053277	Hamsterley Forest LWS	Valerie Standen
Feb-92	NZ057293	Hamsterley Forest LWS	Valerie Standen

Pyrola media



Pyrola minor



Pyrola minor

Common Wintergreen

English Status Near Threatened
County Status Scarce

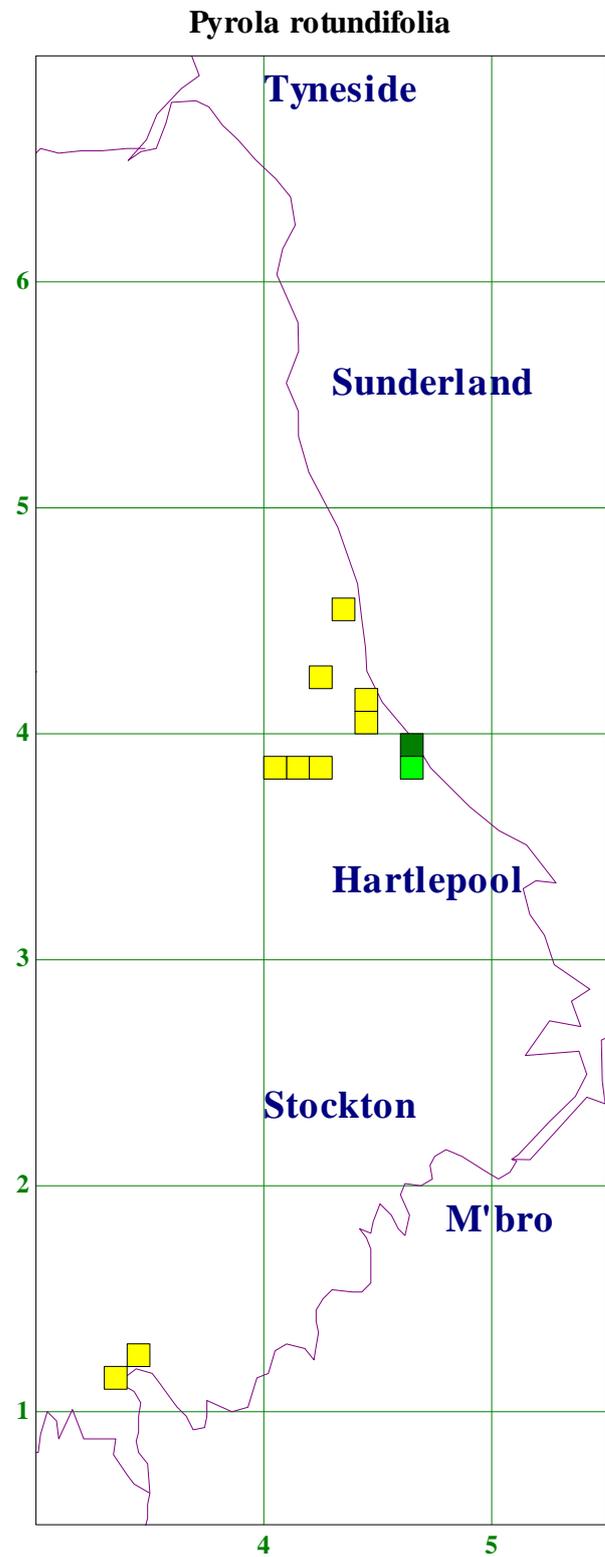
16/07/94	NZ022308	Euden Beck	Graham G.G.
Jul-90	NZ0250	Burnhope Burn Wood CWS 1.3	Valerie Standen
Feb-92	NZ028296	Hamsterley Forest CWS 6.25 Redgate Shield	Valerie Standen
Feb-92	NZ029297	Hamsterley Forest CWS 6.25	Valerie Standen
12/10/13	NZ030281	Hamsterley Forest	F Sarker
Feb-92	NZ052273	Hamsterley Forest CWS 6.25	Valerie Standen
01/06/07	NZ0612 4878	Horsleyhope Ravine	Cunningham, Keith
03/06/05	NZ0613 4875	Horseleyhope Burn, Combe Bridges	Cunningham, Keith
03/06/03	NZ115561	Derwent walk, near Hamsterley	McKay, Dr M
05-Jul-01	NZ114560	Derwent Walk at Low Westwood	A & G Young
05-Jul-01	NZ116561	Derwent Walk at Westwood Lane	A & G Young
21-Sep-06	NZ1316 5238	Billingside Plantation	J L Durkin
07-Aug-96	NZ131558	Cut Throat Wood	McCutcheon, D.E.
04-Jun-14	NZ1674 6228	Blaydon Burn pyrola site	J L Durkin
1991	NZ190405	Crow Gill, Waterhouses Wood	Valerie Standen
Jul-07	NZ2131	Bellburn Wood	Moses, G.W.
12-May-09	NZ2616	Darlington West Park LNR	Sarker, Falgunee

Pyrola rotundifolia
Round-leaved Wintergreen

National Status Near Threatened
County Status Rare

Rare, all of the records are from Castle Eden Dene and the nearby coast. The Blue House Gill population was at least 50 in 2014. Some older inland records may have been of other species of *Pyrola*.

16/07/14	NZ465395	Blue House Gill	Ruth Jackson
----------	----------	-----------------	--------------



Ranunculus flammula
Lesser Spearwort

English Status	Vulnerable
County Status	Still frequent

There are too many sites to list here (400),
but there does appear to be a decline.

Rhynchospora alba **White Beak Sedge**

English Status	Near Threatened
County Status	Extinct

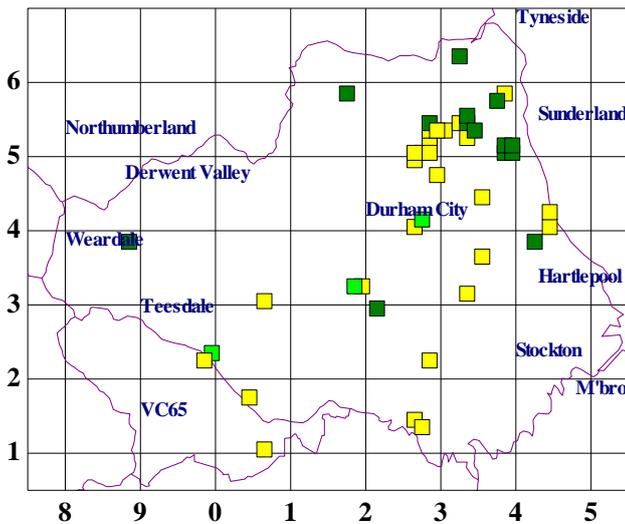
No recent records.

Ribes alpinum **Mountain Currant**

National Status Scarce
 County Status Scarce, probably hortal

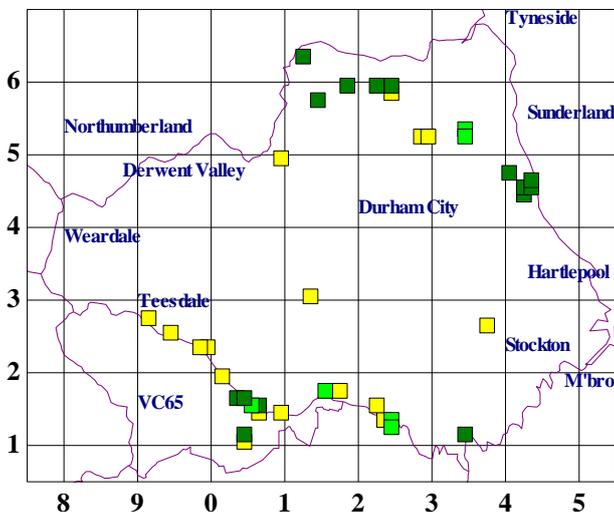
A strong component of the understorey at Penshaw Wood and parts of Castle Eden Dene, probably hortal, though possibly native at some sites. Scarce Plants in Britain shows it as native along the Tees in NZ01 and NZ21; whereas the New Atlas shows these sites as hortal.

Ribes alpinum



(Sites not listed)

Ribes spicatum



Ribes spicatum **Downy Currant**

National Status Scarce
 County Status Scarce

By woodland streams on limestone and on calcareous coal shale, mainly along the River Tees and the River Derwent. At Ravensworth and Bradley, it appears to have been planted, probably in the 19th Century.

01/09/10	NZ1263	Bradley Dene	J L Durkin
01/05/00	NZ1457	Chopwell Crags	J L Durkin
07-Sep-07	NZ406477	Dawdon Dene B1287 to A19	John Liam Durkin
July 2012	NZ0396 1660	Deepdale VC65	John Liam Durkin
24/07/13	NZ0386 1652	Deepdale VC65	NHS Wed.
21/07/14	NZ04065 16053	Deepdale VC65	John Liam Durkin
2012	NZ3411	Dinsdale Wood	J L D
03-May-91	NZ064150	Egglestone Abbey	Sykes, M.
12/06/13	NZ065150	Abbey Bridge Wood (VC66)	J L Durkin
11/10/05	NZ1859	Gibside, Viaduct Wood	J L Durkin
15/06/11	NZ43255 45610 NZ43313 45648 NZ43695 45922	Hawthorn Dene (and several other locations along the streambank)	J L Durkin
27/04/01	NZ435459	Hawthorn Dene	J L Durkin
May-92	NZ3452	Herrington Hill & Woods	White, A.
10/05/91	NZ246134	Low Coniscliffe	Burnip, M.
14/05/12	NZ227597	Ravensworth	J L Durkin
30/03/92	NZ3453	Foxcover Ptn	GGG
08/05/98	NZ151171	Winston	DTNFC

Ruppia maritima
Beaked Tasselweed

National Status Least Concern
English Status Near Threatened
County Status Scarce, declining.

1993	NZ502246	Cowpen Marsh	Unknown
1989	NZ42X	Cowpen Marsh	McAndrew, R.T.
1994	NZ502248	Cowpen Marsh	Unknown
2009	NZ5125	Greenabella Marsh	Ian Bond

Ruppia cirrhosa **Spiral Tasselweed**

National Status Near Threatened
County Status Extinct

“Very rare in saltmarsh pools at Greatham Creek” 1917 Professor J W H Harrison. This is possibly a doubtful record.

Sagina maritima
Sea Pearlwort

National Status None
County Status Scarce, declining.

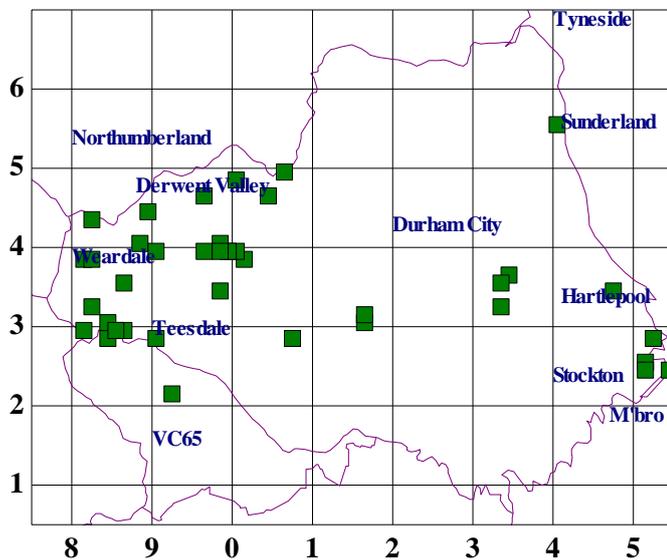
16/05/97	NZ4836	Crimdon Dene	McCutcheon DE
19/05/97	NZ53	Hartlepool	McCutcheon DE
08/05/97	NZ425505	Seaham Hall	McCutcheon, D.E.
10/08/13	NZ53874 28467	Seaton Dunes	Martin Allen
Jul-97	NZ36	South Shields	McCutcheon DE
1997	NZ412633	Whitburn	McCutcheon DE

Sagina nodosa **Knotted Pearlwort**

English Status Vulnerable
County Status Still fairly frequent

The map shows only records after the year 2000.

Sagina nodosa



10-Aug-15	NY81694 38772	Todd Sike	Richard Friend
22-Aug-07	NY8129	Cow Green	A & G Young
21-Aug-10	NY823434	Killhope	Andy Mclay
10-Aug-15	NY82619 38761	Burnhope	Richard Friend
2009	NY83G	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly

17-Jul-06	NY8430	Widdybank Pasture	M Bradshaw
12-Jul-06	NY8529	Harwood Beck	Young, G.
01-Aug-10	NY860296	Haugh Hill	Andy Mclay
21-Aug-11	NY897440	Rookhope Burn	Andy Mclay
17-Jul-07	NY9028	Bowlees	Andy Mclay
27-Jul-09	NY9039	Middlehope Burn	Andy Mclay
02-Oct-04	NY9835	Bollihope Common	A & G Young
10/08/15	NY8138	Todd Sike	Richard Friend
10/08/15	NY8238	Burnhope	R Friend
31-Jul-02	NY9842	Stanhope Burn	A & G Young
15-Aug-09	NY94V	Crawleyside quarry	A & G Young
22-Oct-10	NY967464	Far Sandyford	K Cunningham, L Hollingworth
24-Aug-09	NY966399	Bewdley Plain	Andy Mclay
21-Jul-08	NY983391	Greenfoot Quarry CWS	Andy Mclay
26-Jul-10	NY997394	Stanhope, Ashes Quarry	Andy Mclay
17-Sep-95	NZ0034	Bollihope Quarry	McCutcheon, D.E.
25-Aug-10	NZ0039	Stanhope	A & M Horsley
31-Aug-12	NZ0048	Harehope Burn	Angel, J and Horsley, A
31-Aug-10	NZ011384	Round Hill Quarry	Andy Mclay
03-Sep-13	NZ0649	Hisehope Burn	J L Durkin
2010	NZ076280	Linburn Head	AES Ltd
24/09/96	NZ1430	Low Barns	Graham G.G.
16-Jul-07	NZ1631	Low Barns	Andy Mclay
08-Jul-09	NZ168309	Low Barns	Andy Mclay
18-Sep-06	NZ330350	Raisby Way	Andy Mclay
10-Jul-05	NZ3332	Bishop Middleham Quarry SSSI	DTNFC
05-Sep-07	NZ347366	Kelloe Beck	John O'Reilly
07-Jul-09	NZ408552	Hendon	J L Durkin
2008	NZ4739 3438	Hart Quarry	Lee Miller
01-Sep-09	NZ5124	Greatham, ICI brinefields	Envest
01-Sep-09	NZ5125	Teesmouth	Envest
2006	NZ5424	Teesmouth	VOPAC consultancy

Salicornia dolichostachya
Long-spiked Glasswort

National Status None
 County Status Scarce, declining, or
 possibly now more
 correctly recorded as
 other species.

1988	NZ3557	Baron's Quay	Mitchell, D.N.
1989	NZ42X	Cowpen Marsh	McAndrew RT
05-Oct-81	NZ504258	Greatham Creek	GGG
	NZ507257		
	NZ508257		
08/08/94	NZ5026	Greenabella Marsh	Lowe, C.J.
1988	NZ3758	Timber Beach	Mitchell, D.N.
Oct-89	NZ368582	Timber Beach	Coles, Alec

Salicornia fragilis
Long-spiked Glasswort

National Status None
 County Status Rare

2009	NZ5226	Seal Sands	Jones, Vincent
------	--------	------------	----------------

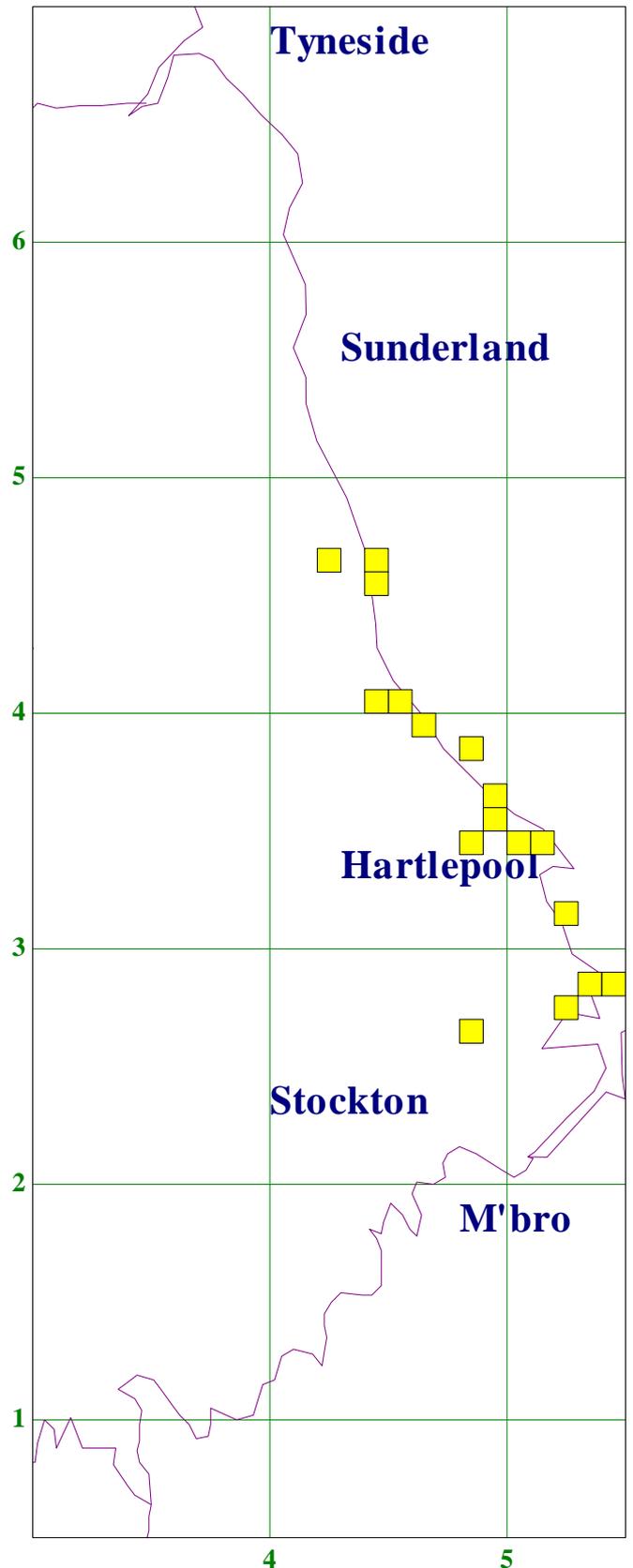
Salsola kali**Saltwort**

National Status
County Status

Vulnerable
Declining

Formerly quite frequent along parts of the coast, but the only recent record is of a single plant.

07/08/73	NZ4639	Blackhall Rocks	Burnip, Mrs M.
1974	NZ522310	Carr House Sidings	McAndrew, R.T
1980	NZ44K	Castle Eden Dene Mouth	GGG
25/06/70	NZ4936	Crimdon Dene	GGG
1973	NZ53C	Hartlepool North Sands	McAndrew, R.T
1975	NZ498358	Hartlepool North Sands	McAndrew, R.T
Sep 1972	NZ487386	Hartlepool Golf Course	Appleyard, P.R.
Sep 1972	NZ4936	Hartlepool Golf Course	Appleyard, P.R.
1973	NZ5134	Hartlepool Slake	GGG
1973	NZ4446	Hawthorn Hive	McAndrew, R.T
15/08/72	NZ5227	North Gare Breakwater	GGG
1973	NZ52P	North Gare Sands	McAndrew, R.T
1973	NZ536284	Seaton Carew	GGG
10/08/13	NZ53058 29177	Seaton Dunes	Martin Allen

Salsola kali

Salix repens **Creeping Willow**

English Status Near Threatened
 County Status Common/no decline

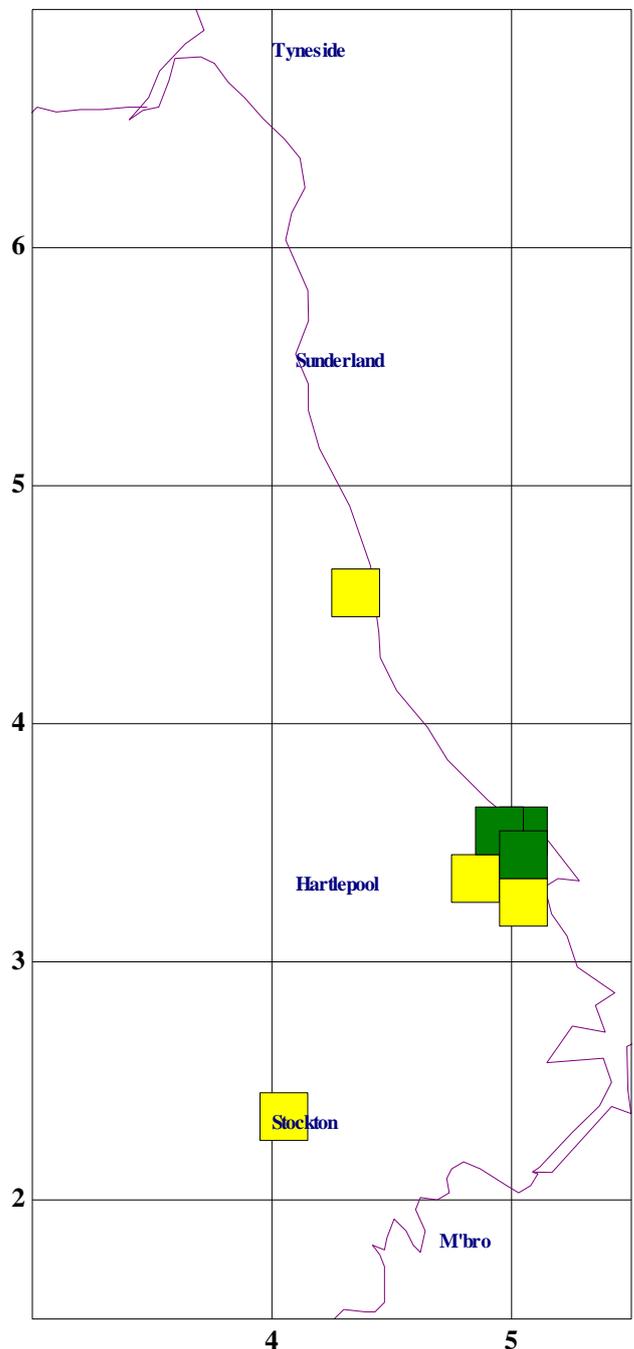
This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Salvia verbenaca **Wild Clary**

National Status Least Concern
 English Status Near Threatened
 County Status Rare

04 Jul 1997	NZ498359	Hartlepool North Sands	Lowe, Dr C.
04 Jul 1997	NZ5035	Hartlepool North Sands	McAndrew, Mr R.T.
31/05/06	NZ53C	Hartlepool, Old Cemetery	Cleveland Naturalists Field Club
Jun 1991	NZ502352	Horseshoe Tunnel	Appleyard, Miss P.R.
25/04/14	NZ49938 35505	Hartlepool Golf Club	Martin Allen
23 04 1999	NZ492358	Hartlepool Golf Club	Wildflower Ark and Ian Lawrence

Salvia verbenaca

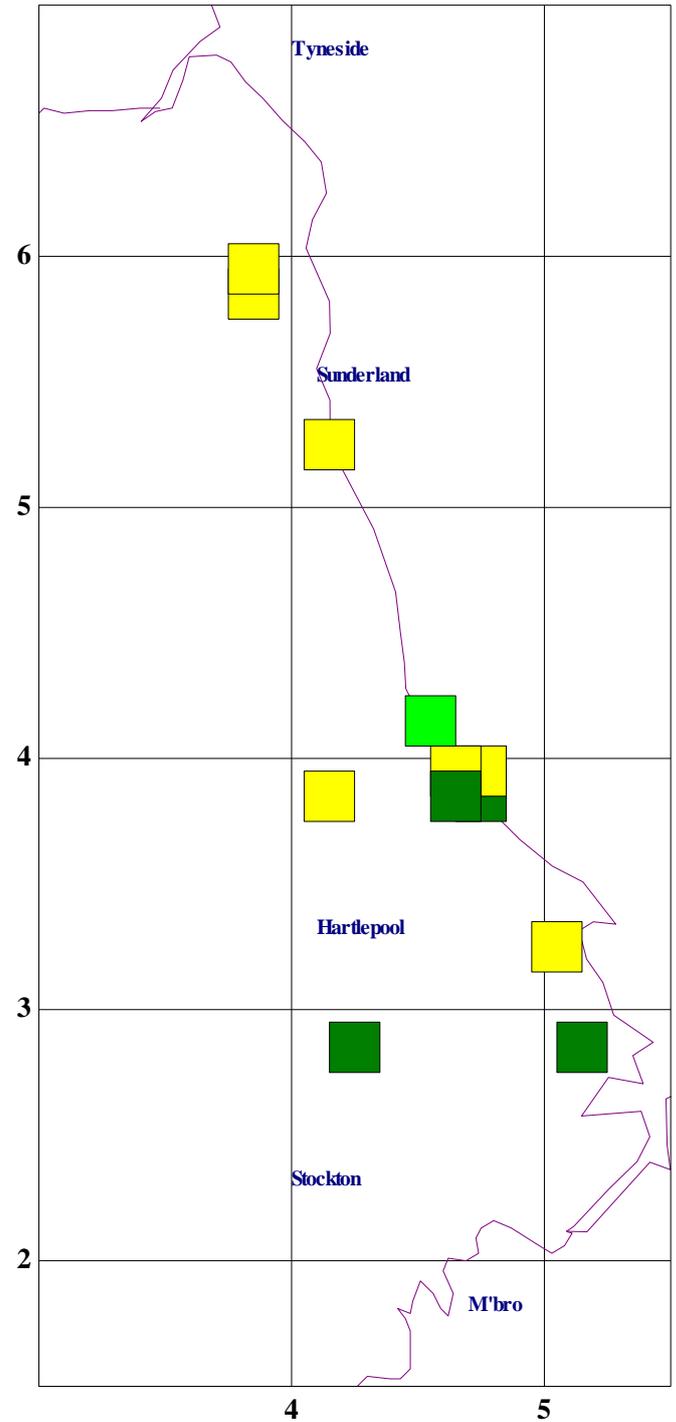


***Samolus valerandi* Brookweed**

National Status None
 County Status Rare

26/06/88	NZ4639	Blackhall Rocks	Alec Coles
06 Jul 2007	NZ47450 38448	Blackhall Rocks	A Hunter, C M Port & D Mitchell
22 Jul 1990	NZ4541	North Horden area	Dave Mitchell,
2010	NZ42J	Amerston Beck	Wildflower Ark
2009	NZ5128	Tofts Farm flush	Wildflower Ark

Samolus valerandi



***Sanicula europaea* Sanicle**

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

***Saxifraga hirculus* Marsh Saxifrage**

National Status Vulnerable
 County Status Rare

Rare in base-rich flushes in the uplands.

National Status Vulnerable
 County Status Rare

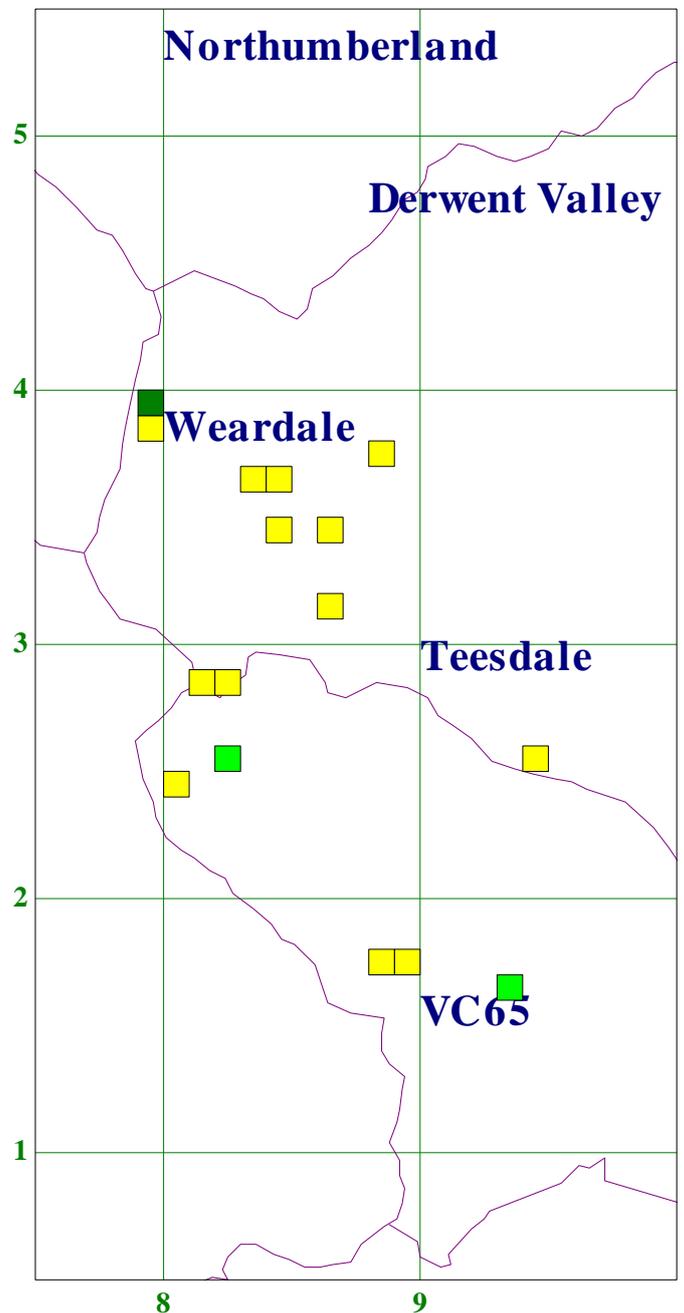
Rare in base-rich flushes in the uplands.
 Richard Friend recorded 203 flowers in 2015
 at Sallygrain Head.

19-Aug-80	NY793383	Dead Stones	GGG
26/08/15	NY79133 38671	Sallygrain Head	Richard Friend
26/08/15	NY79162 38717	Sallygrain Head	Richard Friend
26/08/15	NY79098 38674	Sallygrain Head	Richard Friend
26/08/15	NY79160 38679	Sallygrain Head	Richard Friend
10/08/15	NY79130 38667	Sallygrain Head	Richard Friend
01-Aug-00	NY794390	Sallygrain Head	Schober, M
15-Jul-27	NY8634	St Johns Chapel	Lousley J.E.



Photographed in County Durham
 by UKWildflowers.com

Saxifraga hirculus



***Saxifraga hypnoides* Mossy Saxifrage**

National Status Vulnerable
 County Status Rare

Flushed upland grassland and shaded rocks at 450 to 600 metres. There are also lowland records, mostly old.

Aug 08	NY795318	Dubby Sike	J L Durkin
Aug 08	NY780344	Crook Burn	J L Durkin
26/08/15	NY79130 38667	Sallygrain Head	Richard Friend
01/08/00	NY794390	Sallygrain Head	Schober. M
29/04/08	NY801390	Sally Grain	Andy Mclay
1990	NY8024	Mickle Fell top	English Nature
	NY8124		
	NY8224		
11-Jul-98	NY8128	Falcon Clints	J L Durkin
06/05/06	NY813369	Great Stony Hill	Robson, Craig
Jul-05	NY8228	Falcon Clints	J L Durkin
Aug 08	NY8031	Cow Green	J L Durkin
23/08/11	NY96580 11908	Sleight-holme Beck Gorge SSSI	David Clarke
1991	NZ033076	The Stang, Hope Scar, LWS 6.6	Moira J. Owen
1991	NZ037081	The Stang, Hud Scar, LWS 6.6	Moira J. Owen
09-Jul-00	NZ3332	Bishop Middleham Quarry area	Tom Spowart

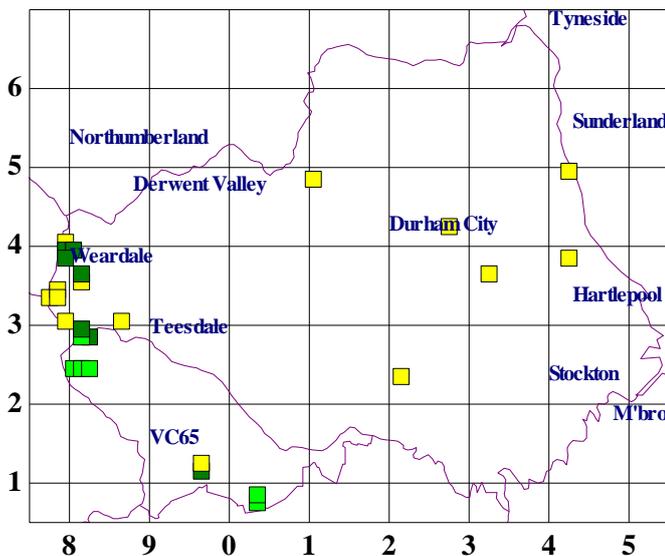
***Scandix pecten-veneris* Shepherd's Needle**

National Status Critically Endangered
 County Status Extinct

A cornfield weed in the 19th century, not seen since 1982.

1982	NZ3442	Sherburn Hill	GGG
------	--------	---------------	-----

Saxifraga hypnoides



***Scleranthus annuus* Annual Knawel**

National Status Endangered
 County Status Rare

Very rare in Durham, on sandy soils. There are only two recent sites.

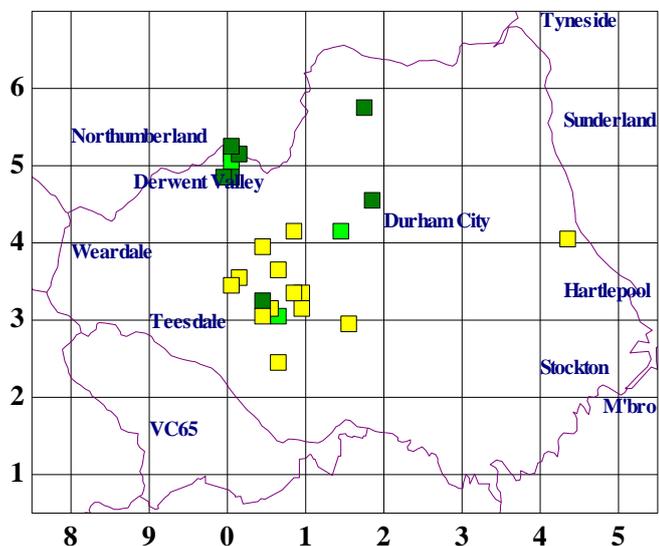
08/10/10	NZ16446344	Path Head Quarry	J L Durkin
	NZ16436343		
	NZ16616348		
23/05/04	NZ166636	Path Head Quarry	McLay A
2008	NZ407641	Souter Lighthouse	A&G Young

Conservation- Path Head Quarry is a Gateshead Council Local Wildlife Site.

Scutellaria minor
Lesser Skullcap

National Status None
 County Status Scarce

Scutellaria minor



15/09/89	NZ02S	Arn Gill Wood	Humphries BM
21/06/11	NY999483	Feldon Burn	A McLay
1989	NZ0630	Frog Bog Wood SSSI	English Nature
Feb-92	NZ069303	Hamsterley Forest CWS 6.25	Valerie Standen
2001	NZ1757	Gibside	J L Durkin
12/07/10	NZ007486	Harehope Burn	A McLay
05/08/90	NZ147412	Hedleyhope Fell	GGG
10/08/05	NZ1845	Malton Nature Reserve	A & G Young
03/07/11	NZ044328	North Grain Beck	A McLay
15-Jul-97	NZ007485	Harehope Burn Bridge	McCutcheon D.E.
30-Jul-08	NZ0151	Pow Hill Heath	Andy Mclay
07/08/12		Pow Hill SSSI	Amy Christie

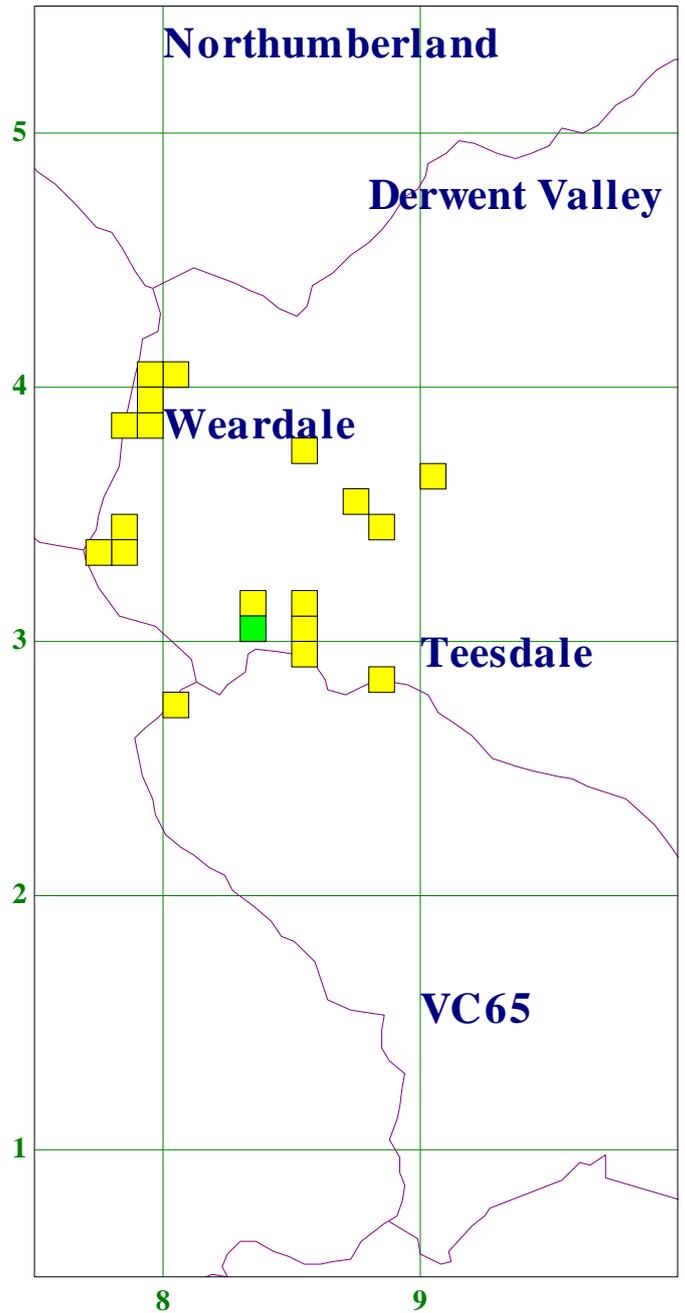
***Sedum villosum* Hairy Stonecrop**

National Status Near threatened
 County Status Declining, possibly
 extinct.

There are a number of records from upper Weardale and Teesdale, but none are recent.

06 Sep 80	NY7938	Burnhope Head	GGG
19 Aug 80	NY7938	Burnhope Seat	GGG
06 Sep 80	NY73Z	Col north of Burnhope Head	GGG
08 Aug 80	NY778336	Crookburn Foot	Burnip, M.
19 Aug 80	NY793383	Dead Stones	GGG
1972	NY7834	Harwood Common	Proctor, Rev H.G.
24 Jun 78	NY781339	Holdenhurth Band	Burnip, M.
03 Aug 69	NY855303	Knott Hill	Bradshaw, Dr M.E.
14 Sep 78	NY799404	Nag's Head	Wiggington, M.J.
06 Jul 76	NY832311	Peghorn Lodge	Bradshaw, Dr M.E.
1979	NY835306	Peghorn Lodge	Sykes, M.
06 Sep 80	NY794390	Sallygrain Head	GGG
1968	NY8529	Wheysike	Elkington, Dr T.T.
27 Jul 96	NY8330	Widdybank Pasture	McCutcheon, D.E.

Sedum villosum



***Senecio aquatica* Marsh Ragwort**

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Sesleria caerulea **Blue Moor Grass**

National Status Scarce
 County Status Found in 69 tetrads.

Frequent both on the carboniferous limestone of Teesdale and on the magnesian limestone of lowland Durham.

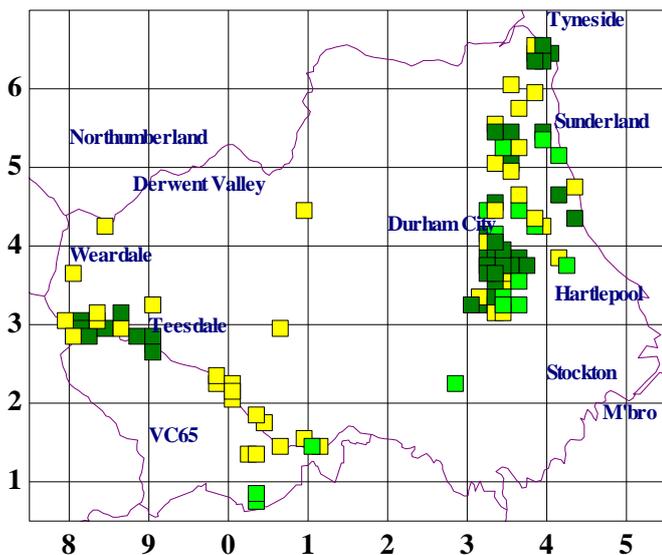
County Durham has a significant proportion of the national distribution of this species.



Magnesian Limestone sites

14-Jun-05	NZ3638	A181 at Wheatley Hill bypass, north side	John Durkin and Julie Stobbs
15-Jun-05	NZ345396	A181, Signing Bank, central reservation	M Appleby, P Hannaby, A Lees, J Stobbs
15-Jun-05	NZ342398	A181, Signing Bank, north verge.	Julie Stobbs and Paul Hannaby
Jul-91	NZ281220	Aycliffe Quarry CWS 7.12	Valerie Standen
13-Jun-06	NZ412464	B1432 opp Richardson's Garden Centre, east verge	John Durkin and Julie Stobbs
09-Jul-00	NZ3231	Bishop Middleham	Spowart, Mr T.J.
29/05/11	NZ330325	Bishop Middleham Quarry SSSI	John Liam Durkin
	NZ330326		
	NZ330327		
	NZ331325		
	NZ331326		
	NZ331327		
	NZ331328		
	NZ332324		
	NZ332325		
29/05/11	NZ330325	Bishop Middleham, E verge by reserve.	John Durkin
15/07/10	NZ341383	Cassop Quarry	A McLay
23/08/11	NZ321386	Cassop Vale	Amanda Hunter
29/04/07	NZ340383	Cassop Vale	DTNFC
15/07/10	NZ336383	Cassop Vale SSSI	A McLay
	NZ339382		
29/05/11	NZ339382	Cassop Vale SSSI	John Liam Durkin
	NZ343383		
29/06/09	NZ338387	Cassop Vale	Alison Hiles
25-Apr-06	NZ412463	Cold Hesledon, east verge limestone exposure.	John Durkin and Julie Stobbs

Sesleria caerulea

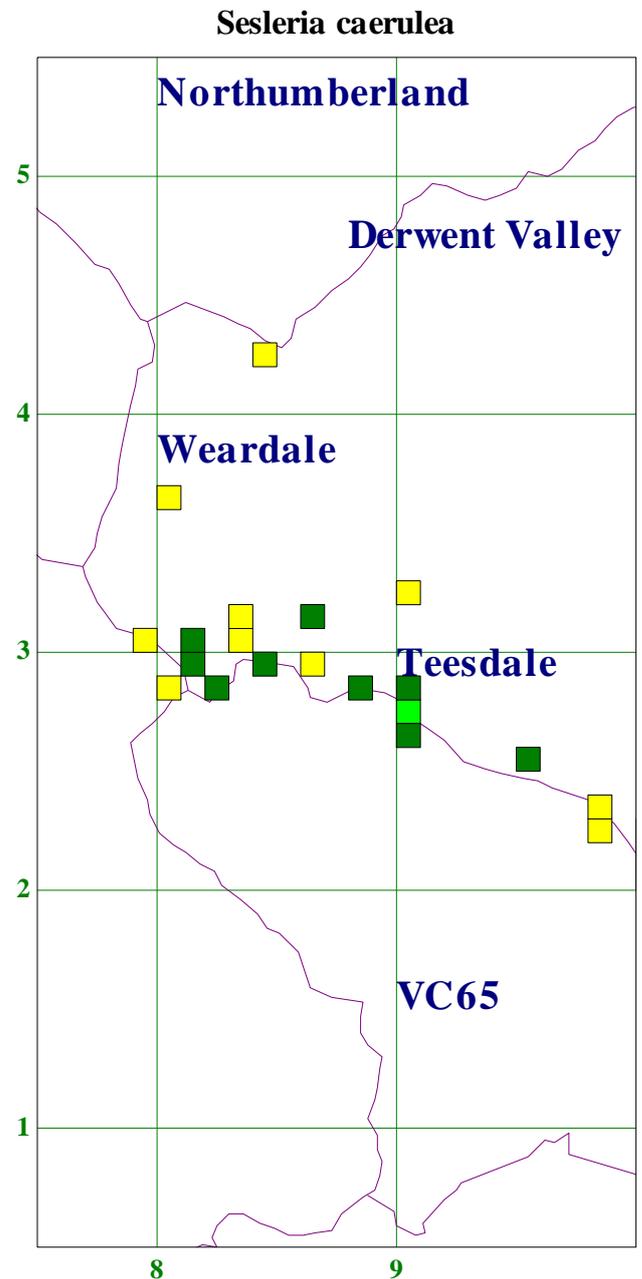


21-Jun-05	NZ330365	Coxhoe Bank Top verge	J Durkin & J Stobbs
21-Jun-05	NZ324360	Coxhoe Quarry Wood verge	J Durkin and Julie Stobbs
08-Nov-06	NZ434436	Easington Colliery	Andy Mclay
May-98	NZ4237	Eden Vale	J Durkin
10-Sep-91	NZ362328	Elderberry Farm	GGG
1999	NZ302328	Ferryhill Cut CWS 7.3	J Stobbs & V Standen
06/07/10	NZ3632	Fishburn Grassland SSSI	Amanda Hunter
29-Jun-06	NZ339333	Garmonds-way Moor Quarry	Andy Mclay
Aug-94	NZ340339	Garmonds-way Triangle CWS 7.30	Graham, G.G.
23/06/10	NZ389655	Harton Downhill	Julia Quinonez
08-Jul-09	NZ355545	Hastings Hill	J L Durkin
08-Jul-09	NZ353544	Hastings Hill	J L Durkin
28/06/07	NZ333455	High Moorsley quarry	Alex Staddon
25-Jul-06	NZ343504	Houghton Hill	Andy Mclay
01-Jul-09	NZ3450	Houghton	McLay, A
01-Jul-09	NZ3550	Houghton	McLay, A
Sep-99	NZ391659	Man Haven	Owen, MJ
14 Jul 2010	NZ3964	Marsden Hall Quarry	John O'Reilly
12-Jun-08	NZ395645	Marsden Hall Quarry	A & G Young
28/06/10	NZ4064	Marsden Lime Kilns	Julia Quinonez
Jul-91	NZ345320	Merry Knowle Quarry CWS 7.5	Valerie Standen
22/06/10	NZ334543	Penshaw Hill	McLay, A
Jul-98	NZ365445	Pig Hill SSSI	Coles, A.
1993	NZ3244	Pittington	G Pickerell
2005	NZ3237	Old Quarrington	E3
02-Aug-06	NZ331376	Quarrington Hill and Coxhoe Bank Plantation	Andy Mclay
01/07/10	NZ332373 NZ341375	Quarrington Hill Grasslands SSSI	D Mitchell
1995	NZ338356	Raisby Hill Grassland SSSI	G Pickerell

07/08/12	NZ333352	Raisby Hill Grassland, small quarry	Ruth Jackson
11-Aug-09	NZ335355	Raisby Hill Grassland SSSI	John Liam Durkin
10/07/07	NZ337355	Raisby Hill Grassland SSSI	CM Port and R Jackson
11-Aug-09	NZ318324	Rough Furze Quarry CWS	J L Durkin
22-Aug-06	NZ334403	Running Waters Quarry	Andy Mclay
2010	NZ419519	Ryhope Denemouth	J L Durkin
26/07/07	NZ329418	Sherburn Hill	Alex Staddon
11-Sep-07	NZ326418	Sherburn Hill, west	John Liam Durkin
26-Apr-06	NZ3872 6382	South Shields Golf Course	J Durkin & Julie Stobbs
18-Aug-05	NZ3960 6377	South Shields Golf Course	HS/FC for E3 Ecology
20/11/08	NZ300329	The Carrs SSSI	Alison Hiles
14/06/06	NZ310326	Thrislington	G Young
10-Jun-07	NZ3132	Thrislington	A & G Young
2014	NZ309330 NZ317329 NZ316328	Thrislington working quarry	Janet Simkin
19/09/12	NZ3537	Town Kelloe Bank SSSI	Ruth Jackson
10-Jul-99	NZ392546	Tunstall Hills	Coles, A.
15/07/08	NZ392540	Tunstall Hills	Alison Hiles
1994	NZ388429	Tuthill Quarry SSSI	English Nature
08-Sep-05	NZ4011 6441	Whitburn Golf Course	HS/FC for E3 Ecology
19-Jun-04	NZ3737	Wingate Quarry	A & G Young

Dales sites, VC66 only.

30-Jun-06	NY8429	Cetry Bank	Wood, D & Woods, M
30-Jun-06	NY8828	High Force	Wood, D & Woods, M
19-Jun-03	NY8631	Langdon Beck	Schober, M
21-Jun-05	NY903280	Winch Bridge	Wild Flower Society
21-May-08	NY8166 2943	Red Sike	A & G Young Stephen Willis
1995	NY813303	Cow Green	Stephen Willis
21-May-08	NY8150 3042	Slapestone Sike	A & G Young
1995	NY8172 2973	Widdybank	Stephen Willis
	NY8145 3026		
	NY8176 2985		
10-Apr-93	NZ111145	Whorlton	GGG
2010	NY907275	Winch Bridge Craggs	J L Durkin
28-May-06	NY904270	Winch Bridge	J O'Reilly
17/04/11	NZ0120	Woden Croft	B Johnson



Silene flos-cuculi**Ragged Robin**

English Status

Near Threatened

County Status

Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Sium latifolium**Greater Water-parsnip**

National Status

Endangered

County Status

Extinct

Recorded from a pond near Friar's Goose, in Gateshead, in the Winch (1805) and Baker and Tate (1867) Floras, but never subsequently. There is a Winch specimen in the Great North Museum.

There are no recent records

Silene noctiflora**Night Flowering Catchfly**

National Status

Vulnerable

County Status

Extinct

Formerly frequent in the east of the county, the only modern records are from wild flower meadow seed mixes.

Sison amomum**Stone Parsley**

National Status

None

County Status

Rare

1999	Cleadon Hills	NZ3863	Boyce, Mr R.
------	---------------	--------	--------------

Silene uniflora**Sea Campion**

National Status

None

County Status

Rare

Solidago virgaurea**Goldenrod**

English Status

Near Threatened

County Status

Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Aug 2005	NZ3964	Marsden (Old Hall) Quarry, LNR	E3
2009	NZ4935	Hart Warren Railway Embankment	Martin Allen

Sorbus rupicola**Rock Whitebeam**

National Status Scarce
 County Status Scarce

In upper Teesdale, mainly on vertical crags in the gorge of the Tees downstream of High Force. Most are shrub sized, with the largest trees at the main vc65 site, Holwick Scar. The total population is 70 to 80 plants.

High Force, below waterfall, south side (vc65). This is the main site on the vc65 side of the Tees, with 20-30 plants, including the largest trees. Access here is very difficult. Identification material was sampled from the top of the cliff, and the rough count done with binoculars from the Durham side of the river. There may also be *Sorbus aria* or another *Sorbus* here.

High Force, below waterfall, north side near High Force Hotel (vc66), one shrub, seen with binoculars.

Dine Holm Scar, above High Force, one tree 2007 Dr Margaret Bradshaw.

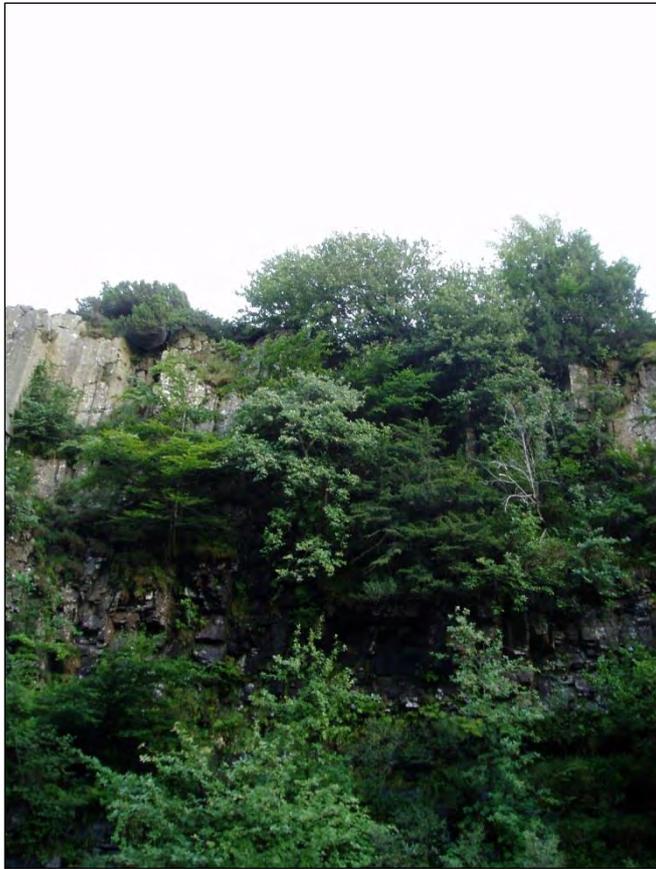
Crags below Winch Bridge. This is the main site on the vc66 side, with 40 plants. Access to the trees here is feasible when the river is low. They can also be viewed from the vc65 side of the river. There is a single, much larger tree on the south side.

One shrub on the south bank of the Tees just above Winch Bridge, found by Stuart Hedley.

There is a single planted tree just north of the Bowlees Visitor Centre.

Holwick Scars vc65. Six trees on the upper part of the scars, access here is very difficult. Identification material was sampled from the top of the cliff, and the count done with binoculars from below. These trees have more apiculate leaves than the Rock Whitebeams elsewhere in Teesdale.

24/10/13	NY881284(some)	High Force, south side of river	John Durkin
	NY880283(most)		
Aug-07	NY88502857	River Tees banks, High Force	John Durkin
01/09/07	NY90202693	Holwick Scars	John Durkin
	NY90582671		
	NY90272692		
17/08/11	NY9000227035	Holwick Scars	Lucy Hollingworth
24/10/13	NY90328 27942	Low Force	John Durkin
13/10/10	NY906276	Winch Bridge Crags, south side	John Durkin
2007	NY8628	Dine Holm Scar	M Bradshaw
13/10/10	NY90572762	Winch Bridge, south side	John Durkin
24/10/13	NY90702765	Winch Bridge Crags (west limit)	John Durkin
24/10/13	NY90812748	Winch Bridge Crags (east limit)	John Durkin
24/10/13	NY90692821	Bowlees Visitor Centre	John Durkin



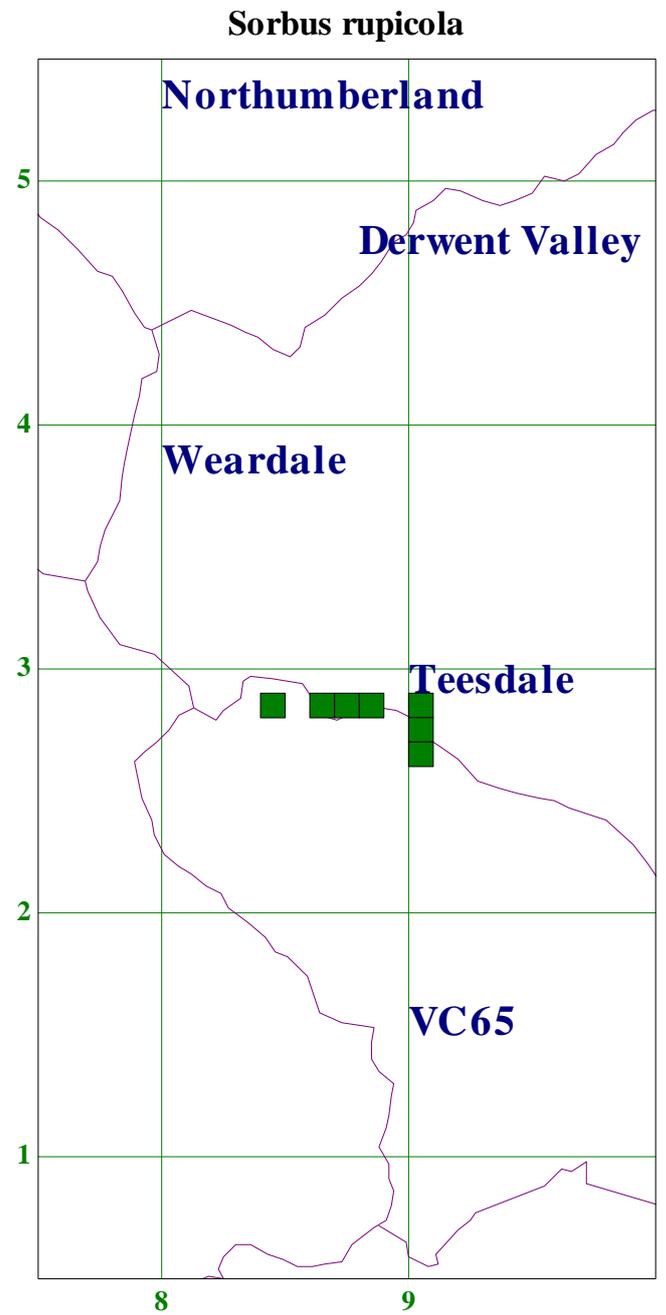
Rock Whitebeams, vc65 below High Force.



Rock Whitebeam habitat, VC65 on the left, below High Force.



Holwick Scar (Lucy Hollingworth).



Sparganium angustifolium
Floating Bur-reed

National Status None
 County Status Rare

23/07/06	NZ03V	Hamsterley Forest	DTNFC
2011	NY990347	Bollihope Common, reservoir near Juniper Banks	Shimwell, Dr D.W.

Stellaria pallida
Lesser Chickweed

National Status None
 County Status Scarce, declining.

No recent records.

02/06/83	NZ489364	Hart Warren	GGG
05/05/87	NZ536283	North Gare Breakwater, nr.	Appleyard, P.R.
10/05/87	NZ537284	North Gare Breakwater	McAndrew R.T.
24/04/91	NZ528292	Seaton Golf Links	GGG

Stellaria neglecta
Greater Chickweed

National Status None
 County Status Scarce, declining.

No recent records.

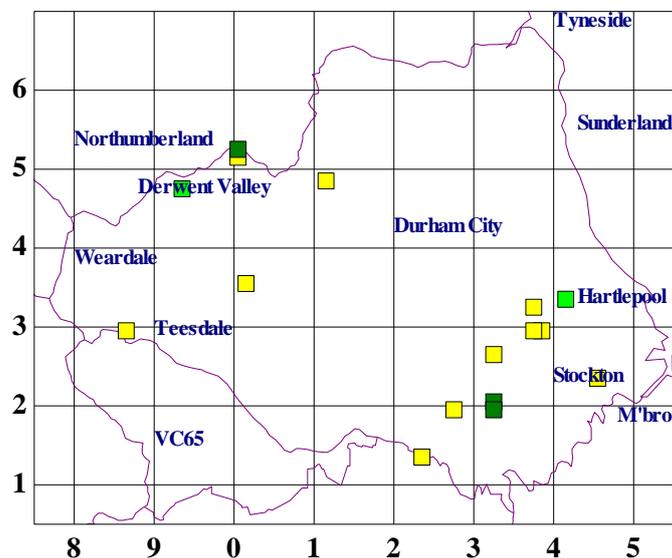
1974	NZ3709	Bowlhole Wood	Burnip, M.
1976	NZ242133	Low Coniscliffe	Wiggington M.J.
01/05/76	NZ373101	Low Middleton	Wiggington M.J.
26/09/70	NZ268163	Mount Pleasant	Worthington Miss H.
26/05/91	NZ390110	Newsham Wood	Bungard, Dr S.J.

Stellaria palustris **Marsh Stitchwort**

National Status Vulnerable
 County Status Rare

Mainly in the River Skerne lowlands.

Stellaria palustris



31 Aug 2011	NZ008523	Hunter House	J L Durkin
24 Aug 1991	NY9347	Nookton Burn	Graham, G.G.
2010	NZ3219	NZ3219	Bradshaw, Michael
1984	NZ415334	Pike Whin Bog SSSI	English Nature
Jul 1999	NZ414333	Pike Whin Moor	Coles, Mr A.

***Stratiotes aloides* Water Soldier**

National Status Near Threatened
County Status Rare hortal

A rare hortal well established and flowering at Norwood Nature Park, in a pond created and planted for the Gateshead Garden Festival. Also established at Carter Moor Eaglescliffe, Malton LWS, and at about 6 other sites.



***Teucrium chamaedrys*
Wall Germander**

National Status Rare
County Status Rare

Known since 1868 at Marsden Old Hall Quarry LWS. There are patches on the cliffs and on rocky ground. Probably of hortal origin.

30 Jun 2007	NZ39606450	Marsden Hall Quarry	A & G Young
14 Jul 2010	NZ396645	Marsden Hall Quarry	John O'Reilly

***Succisa pratensis* Devils Bit Scabious**

English Status Near Threatened
County Status Common/no decline

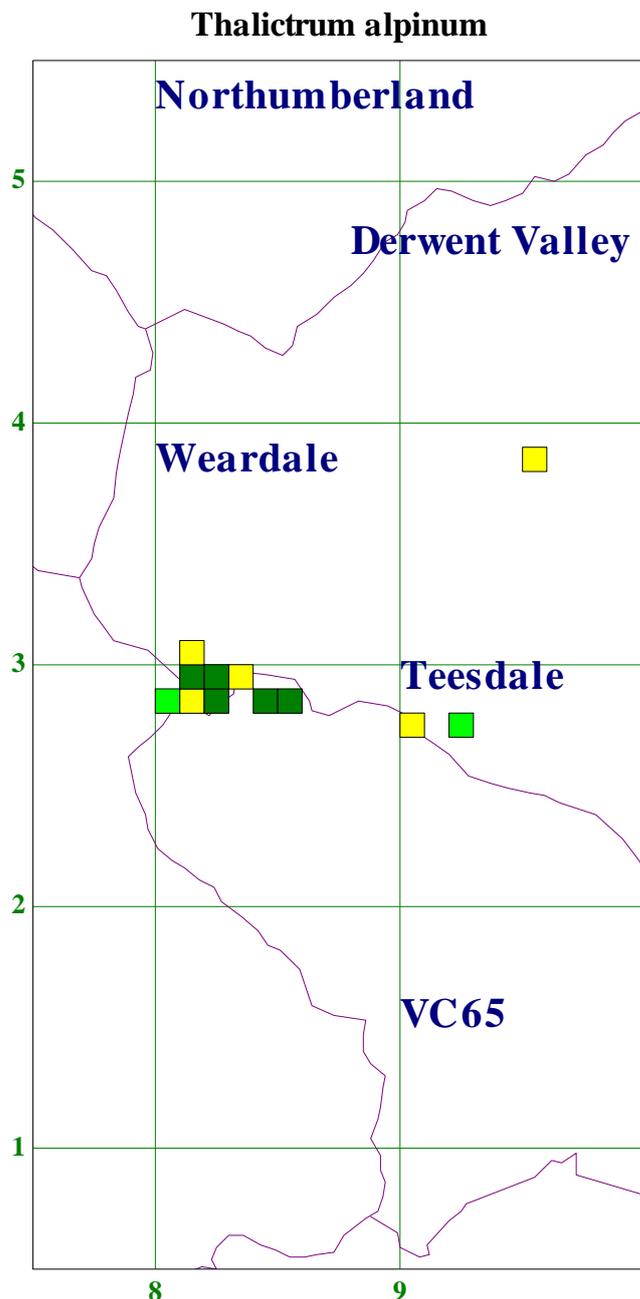
This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Thalictrum alpinum
Alpine Meadow Rue

National Status A "Scottish" species
 County Status Rare

Teesdale has a large proportion of the English distribution of this plant.

22/08/07	NY8176 2971	Cow Green enclosure	A & G Young
22/06/05	NY8528	Cronkley Fell	Wild Flower Society
02/07/06	NY82J	Cronkley Fell	J & C O'Reilly
18/06/06	NY8428	Cronkley Fell	CNFC
Jun-91	NY925274	Low Ravelin verge with lead spoil, CWS 6.01	Valerie Standen
09/06/91	NY8129	Widdybank Fell	Peacock, Miss H.
15/09/09	NY824295	Above Wild Scar	M Schober



Tilia platyphyllos **Large Leaved Lime**

National Status Scarce
 County Status Scarce, planted

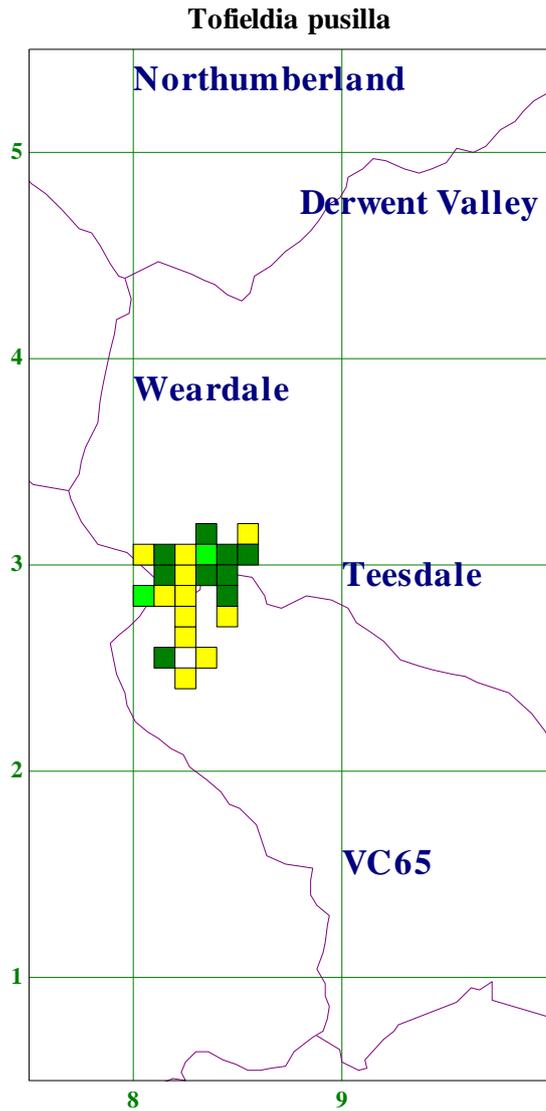
There are planted trees in a number of woodlands, for example at Rowlands Gill, Chester Dene, Ray Gill Wood and Hawthorn Dene. There is a very old multi-stemmed clone on the riverbank at Winlaton Mill.

***Tofieldia pusilla* Scottish Asphodel**

National Status A "Scottish" species
 County Status Scarce

This species is included in the Rare Plant Register because, while it is not scarce in Great Britain, Durham has most of the English population.

In montane flushes and by upland burns in upper Teesdale.



07/08/09	NY850300	Allotment SW of Sayer Hill	John O'Reilly
30/06/06	NY8429	Cetry Bank	Wood, D & Woods, M
	NY815305	Cow Green	
02/07/95	NY816295	Cow Green	Young, G.
22/08/07	NY8125	Cow Green	A & G Young
01/06/03	NY817296	Red Sike	A & G Young
18/06/06	NY82P	Cronkley Fell	CNFC
12/08/09	NY84128 30954	Sand Sike	John O'Reilly
08-Jul-09	NY84338 30938	Sand Sike	John O'Reilly
26-Jun-91	NY818294	Widdybank	Rich, Dr T.
03-Jul-09	NY8331	Widdybank Fell	M Schober
10/09/13	NY8151 3043	Slapestone Sike	J L Durkin and SNH
	NY8150 3043		
	NY8150 3042		
2008	NY837299	Widdybank Pasture	Jeremy Roberts
	NY847304		
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon D.E.

***Torilis nodosa* Knotted Hedge-Parsley**

National Status None
 County Status Scarce

16 Jun 1999	NZ506247	Greatham Creek	Jenkins, Mr J.
14 Jun 1996	NZ510252	ICI Number 4 Brinefields	Coles, A.
	NZ517245		
06 Jan 1993	NZ4011	Aislaby Wood	Lowe, Dr C.

Trichomanes (Vandenboschia) speciosa
Killarney Fern

National Status Vulnerable. Habs Regs.
County Status Rare

Known only as the gametophyte from the Brignall Banks area of the River Greta. There is similar habitat in upper Deepdale and below the Sneap at the Derwent Gorge NNR.

29/11/99	NZ062108	Gill Beck, Brignall Banks	A D Headley
29/11/99	NZ051110	Hening Wood, Brignall Banks	A D Headley

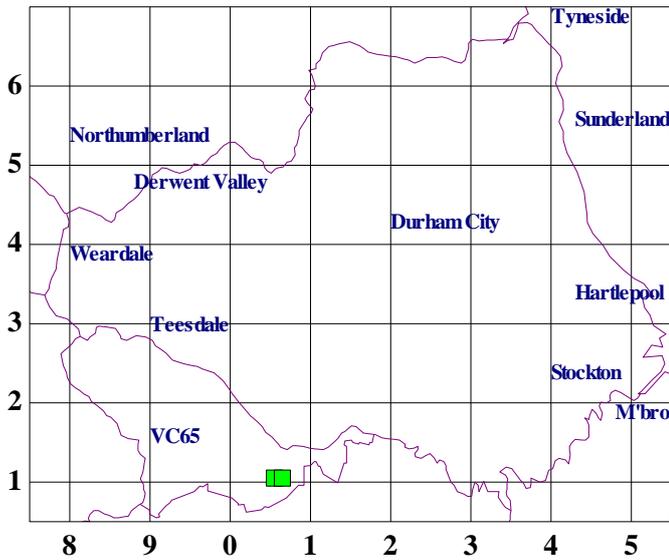
Trifolium fragiferum
Strawberry Clover

English Status Vulnerable
County Status Rare

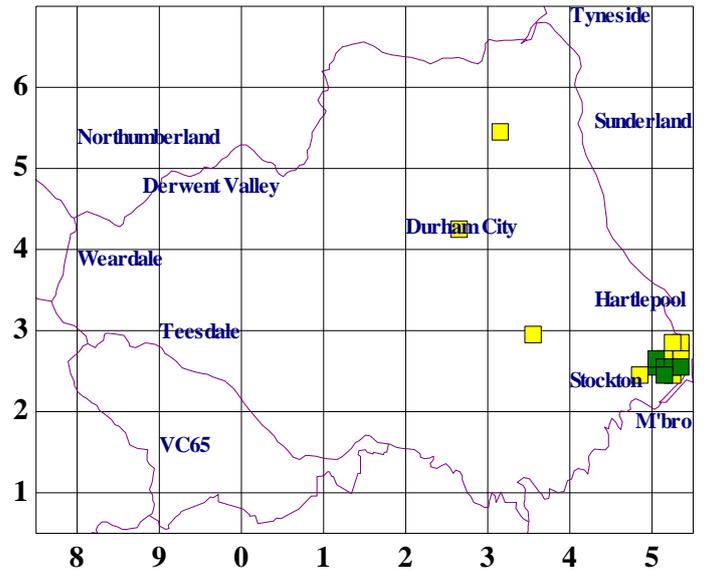
Restricted to the south-east of the county, around the Seaton coast and the Seal Sands industrial area.

2009	NZ5026	Greenabella Marsh	Ian Bond
2009	NZ5025	Greatham Creek	Ian Bond
30-Jul-87	NZ52J	Seaton Carew+ path SE of.	Appleyard, Miss P.R.
01-Sep-09	NZ5124	Greatham, ICI brinefields	Envest
01-Sep-09	NZ5325	Seal Sands	Envest
01-Sep-09	NZ5125	Seal Sands	Envest
01-Sep-09	NZ5225	Seal Sands	Envest

Trichomanes speciosum



Trifolium fragiferum



Turritis glabra Tower Mustard

National Status Endangered
County Status Extinct

There are no recent records.

Trichophorum cespitosum
Northern Deergrass

Trichophorum x foersteri
Hybrid Deergrass

National Status Nationally Rare
 County Status Rare

The hybrid was identified from a British Museum specimen from Widdybank, collected in 1905, by T J Foggitt.

Both Northern Deergrass and the hybrid were discovered at Widdybank Pasture in 2008, (J Roberts) and at Red Syke, NY8129, in 2010 (MEB).

The distribution of this plant in County Durham is still largely unknown.

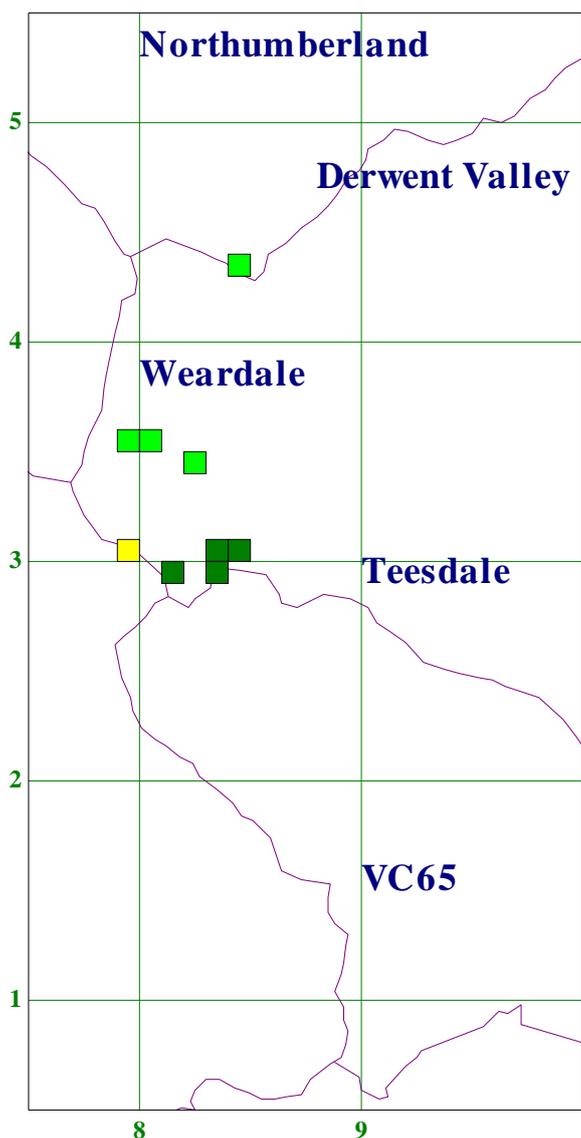
Species

2008	NY837299	Widdybank Fell	Jeremy Roberts
2008	NY847304	Widdybank	Jeremy Roberts
2008	NY837304	Widdybank	Jeremy Roberts
2008	NY835303	Widdybank	Jeremy Roberts
2008	NY842301	Widdybank Pasture	Jeremy Roberts
2010	NY8129	Red Syke	MEB

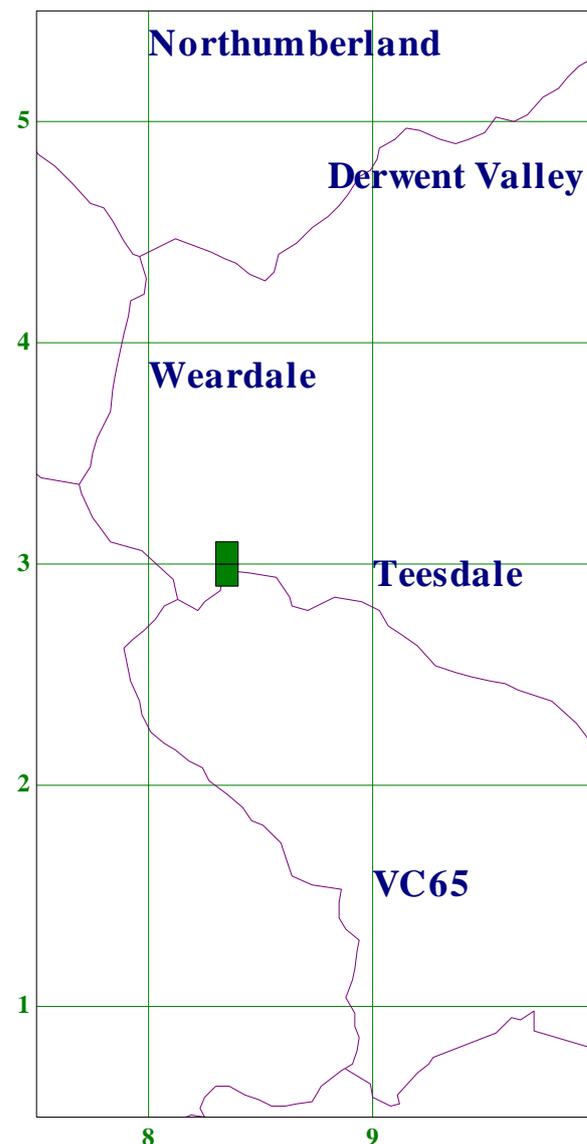
Hybrid

2008	NY837299	Widdybank Fell	Jeremy Roberts
2008	NY837304	Widdybank	Jeremy Roberts

Trichophorum cespitosum



***Trichophorum cespitosum* nothosubsp. foersteri**



***Trifolium striatum* Knotted Clover**

National Status None
County Status Scarce, declining.

The Usworth record is from a “wild flower seed mix”

15/06/85	NZ4835	Hart Station	Appleyard, P.R.
21/08/09	NZ319587	Usworth	J L Durkin
1986	NZ402645	Whitburn Golf Course	J L Durkin
1997	NZ402644	Whitburn Golf Course	J L Durkin

***Utricularia vulgaris*
Greater Bladderwort**

National Status None
County Status Rare

24/04/2011	Ryton Willows, Glebe Pond	NZ1523 6495	J L Durkin
Jul 1968	Slapestone Sike	NY8130	Bellamy, Prof D.J.
26 Aug 1996	Stargate	NZ1663	McCutcheon D.E.
14/09/2014	Portrack Marsh	NZ464194	F Sarker

***Triglochin palustre*
Marsh Arrowgrass**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

***Valeriana dioca* Marsh Valerian**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

***Ulex gallii* Western Gorse**

National Status None
County Status Rare

04 Sep 76	NZ133395	Hedleyhope Colliery	Graham, Mrs P.S.
15 Sep 77	NZ270431	D.L.I. Museum	Hall, Mr D.

***Valeriana officinalis* Common Valerian**

English Status Near Threatened
County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham. Sites are too many to list.

Valerianella dentata
Narrow-fruited Cornsalad

National Status Endangered
 County Status Rare

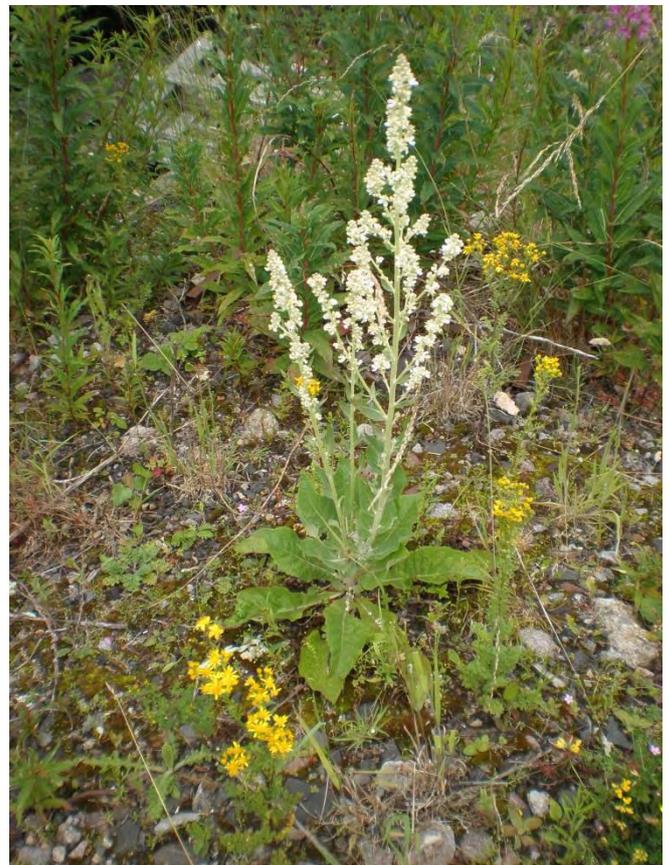
The most recent record is in 1974.

11/09/74	NZ363145	High Goosepool	Burnip, M.
----------	----------	----------------	------------

Verbascum lychnitis **White Mullein**

National Status Scarce
 County Status Rare

10/07/09	NZ2461	Gateshead	J L Durkin
10/07/09	NZ2557	Tyne Yard	J L Durkin
10/07/09	NZ2656	Tyne Yard	J L Durkin
1999	NZ344140	Stockton-Darlington Railway Track, plum trees area	David Green



Veronica officinalis **Heath Speedwell**

English Status Near Threatened
 County Status Common/no decline

This species is declining in England, but at a much slower rate in County Durham.
 Sites are too many to list.

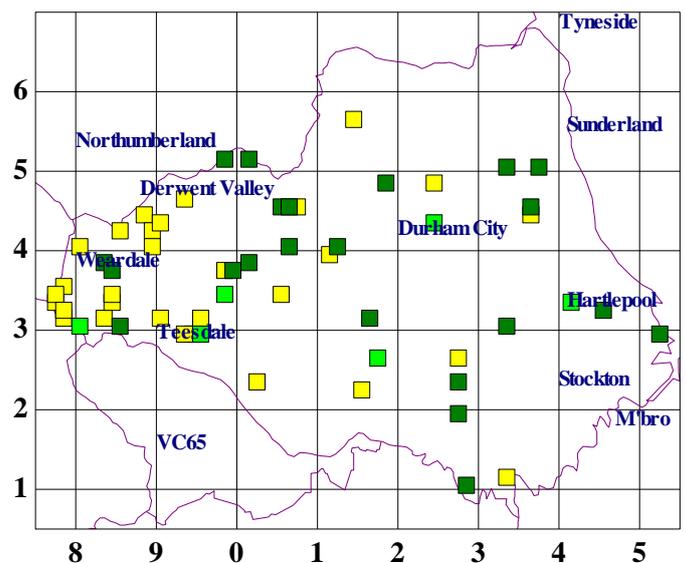
20-Jun-08	NY985515	Derwent Reservoir: Carrick's Haugh	Andy Mclay
08-Sep-07	NZ363453	Elemore Vale	John O'Reilly
04-Sep-07	NZ3332 3056	The Island Farm Pond	John O'Reilly
25-Jun-05	NZ0545	Waskerley	Brenda Astley
25-Jun-05	NZ0640	Tunstall Reservoir	A & G Young
25-Jun-05	NZ064450	Waskerley Way, in cutting	A & G Young
03-Sep-03	NZ3350	Houghton le Spring	Bullen Consultants
Jul-99	NZ414333	Pike Whin Moor	Alec Coles
02-Sep-97	NZ249434	Bear Park	Alec Coles
21-Jul-97	NY83A	Cow Green	McCutcheon, D.E.
09-Jul-97	NY955293	Pikestone Brow	McCutcheon, D.E.
09-Jul-97	NY987346	Bollihope Common	McCutcheon, D.E.

Veronica scutellata **Marsh Speedwell**

English Status Near Threatened
 County Status Some decline

04-Jul-15	NZ280108	Hell Kettles	F Sarker
29-Jul-13	NY9937	Parson Byers	John Richards
23-Jul-12	NZ011518	Pow Hill	A & G Young
23-Jul-12	NZ012517	Powhill	A & G Young
Jul-96	NZ014515	Pow Hill Meadow CWS 3.44	Graham, GG & PS, & J Stobbs
29-Jun-11	NY8338	Burnhope Reservoir	Andy Mclay
29-Jun-11	NY841377	Grasshill Causeway	Andy Mclay
13-Sep-10	NZ5264 2916	Seaton Carew Golf Course Pond	Martin Allen
31-Aug-10	NZ011384	Round Hill Quarry	Andy Mclay
11-Aug-09	NZ370505	Warden Law LNR	Andy Mclay
07-Aug-09	NY853303	Sayer Hill	John O'Reilly
16-Jul-09	NZ1240	Hedleyhope Fell	Andy Mclay
27-Jun-08	NZ182482	Burnhope Pond CWS 1.17	CNFC
23-Jun-08	NZ167314	Low Barns Dragonfly Pond	Andy Mclay

Veronica scutellata



***Vicia lathyroides* Spring Vetch**

National Status None
 County Status Rare

25/04/2014	NZ49938 35505	Hartlepool North Sands	Martin Allen
23/04/1999	NZ492358	Hartlepool Golf Course	Ian Lawrence
02 May 1972	NZ502352	Hartlepool Slake	GGG
30 Jul 2000	NZ5328	Seaton Sands	DTNFC

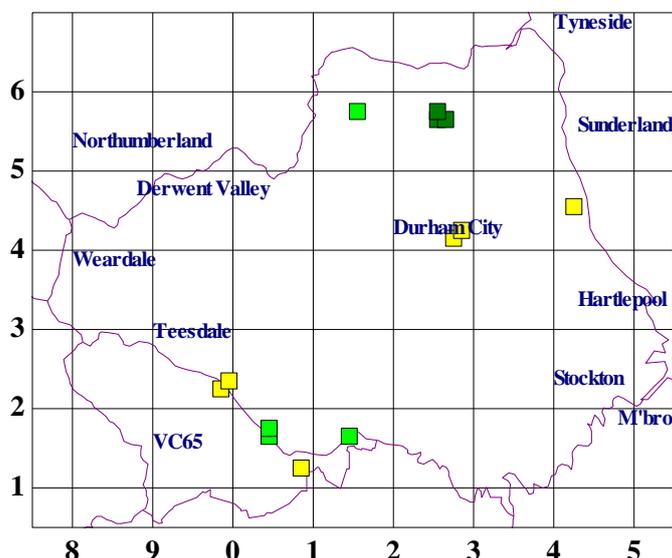
***Vicia sylvatica* Wood Vetch**

National Status None
 County Status Scarce, declining.

Our plants are the woodland form, *var sylvatica*.
 The Tyne Yard plants are "hortal" or casual,
 rather than native.

10-Jun-98	NZ142162	Winston Bridge	DTNFC
2012	NZ047171	Flatts Wood	Fal Sarker
02-Jul-92	NZ044170	Flatts Wood	Peacock, H.
23-Jun-94	NZ046169	Flatts Wood	Sykes, M.
1991	NZ157575	Lintzford	Boyce, R.
15-Jul-09	NZ258571	Tyne Yard	J L Durkin
15-Jul-09	NZ260569	Tyne Yard	J L Durkin
01/07/2007	NZ2556	Tyne Yard	Andy McLay

Vicia sylvatica



Viola canina

Heath Dog Violet

English Status

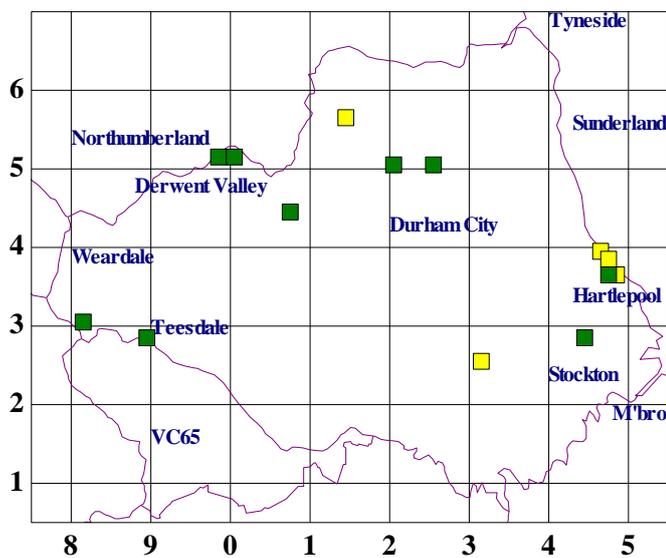
Endangered

County Status

Scarce

07/05/05	NY8130	Widdybank Fell	DTNFC
29/05/03	NY891284	B6277, W of Ettersgill junction, N verge	Keith Bowie, Keith Cunningham, Frank Daly.
05/06/03	NY983519	N of Carrick's Corner, minor road, east verge.	Keith Bowie, Keith Cunningham, Frank Daly.
05/06/03	NZ001511	B6306, S of Pow Hill Country Park, east verge.	Keith Bowie, Keith Cunningham, Frank Daly.
Jun-04	NZ070444	Burnhill Junction & Longburn Ford LWS 1.51	Stobbs, J. et al.
May-02	NZ207508	Ousterley Wood LWS 1.50	John Durkin and Julie Stobbs
06/07/00	NZ4428	Sunderland Lodge Wood	Graham Megson
May-00	NZ4736	Hart railway	Graham Megson

Viola canina



Viola lutea

Mountain Pansy

English Status

Near Threatened

County Status

Common/no decline

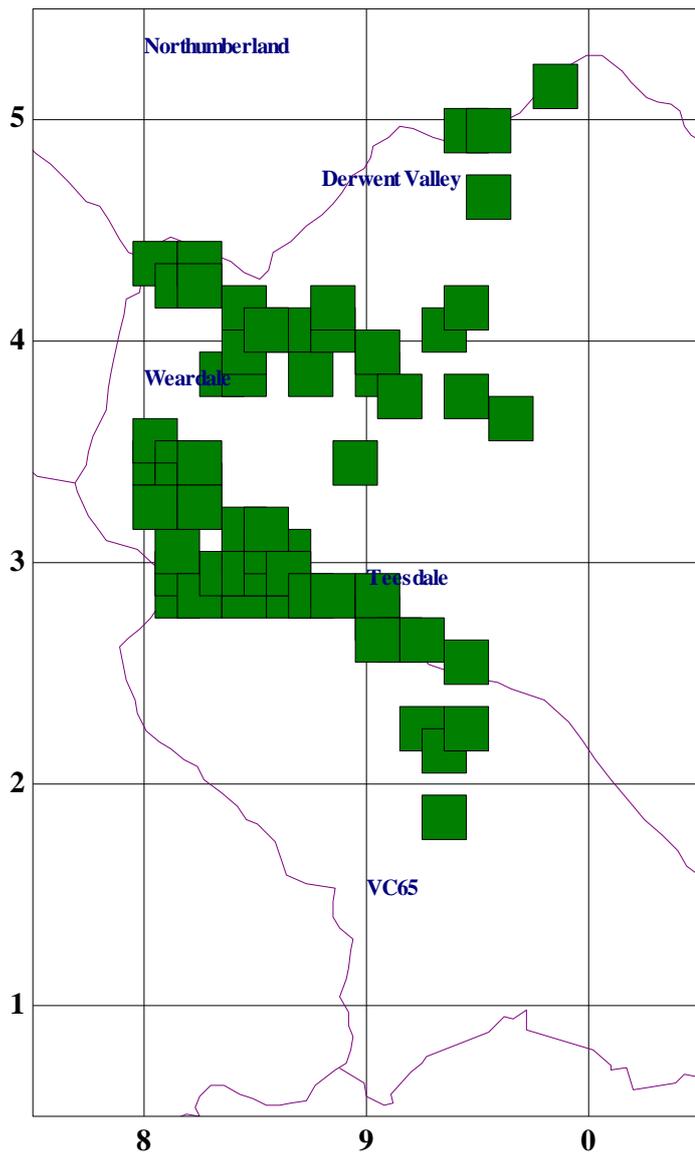
This species is declining in England, but at a much slower rate in County Durham.

Sites are too many to list.

The map shows records from 2000 onwards, only.



Viola lutea



***Viola rupestris* Teesdale Violet**

National Status Nationally Rare
 County Status Rare

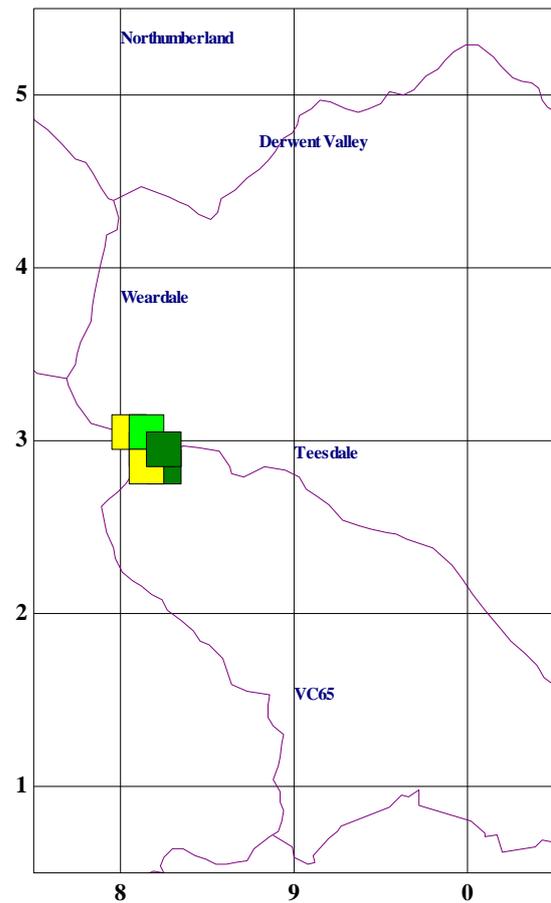
Open and eroded areas in short turf on the sugar limestone of Widdybank Fell. Formerly also at Slapestone Sike, now under the Cow Green Reservoir.

County Durham has a significant proportion of the national distribution of this species.

Conservation- All of the sites are in the Upper Teesdale Nature Reserve.

21/05/08	NY817296	Cow Green Nature Trail, Exclosure	Ann & Gordon Young
Jul-05	NY820281	Falcon Clints	J L Durkin
1995	NY8130	Rod's Vein	Findlay, I.
01-Jul-06	NY819291	Widdybank Fell	Wood, D& Woods, M
21/05/08	NY81812938	Widdybank Fell, clearing up from Red Sike	Ann & Gordon Young
15/09/09	NY824295	Above Wild Scar	M Schober

Viola rupestris



***Viola rupestris x riviniana* Hybrid Violet**

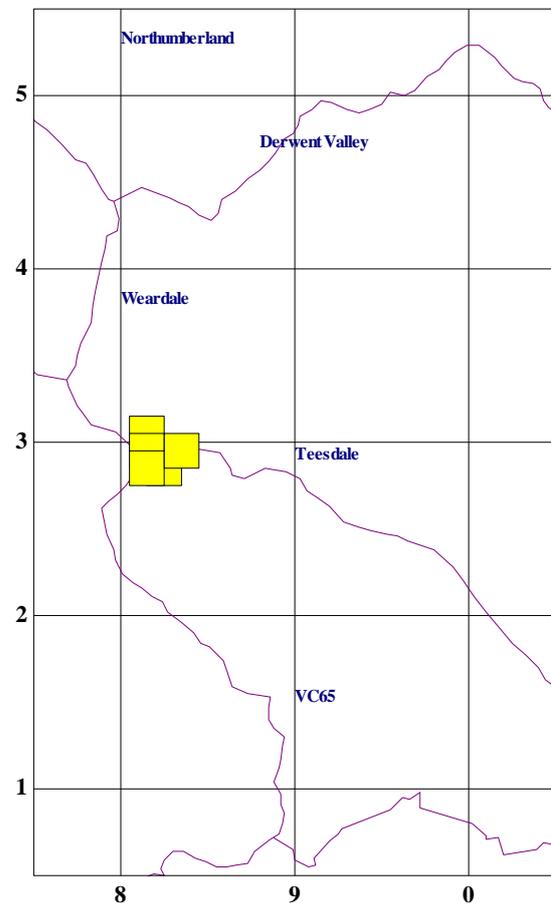
National Status Vulnerable
 County Status Rare

County Durham has a significant proportion of the national distribution of this hybrid.

On the sugar limestone at Widdybank Fell with the *rupestris* parent. There are no recent records.

Conservation- Most of the sites are in the Upper Teesdale Nature Reserve.

Viola x burnatii



Wahlenbergia hederacea
Ivy-leaved Bellflower

National Status Near Threatened
 County Status Scarce

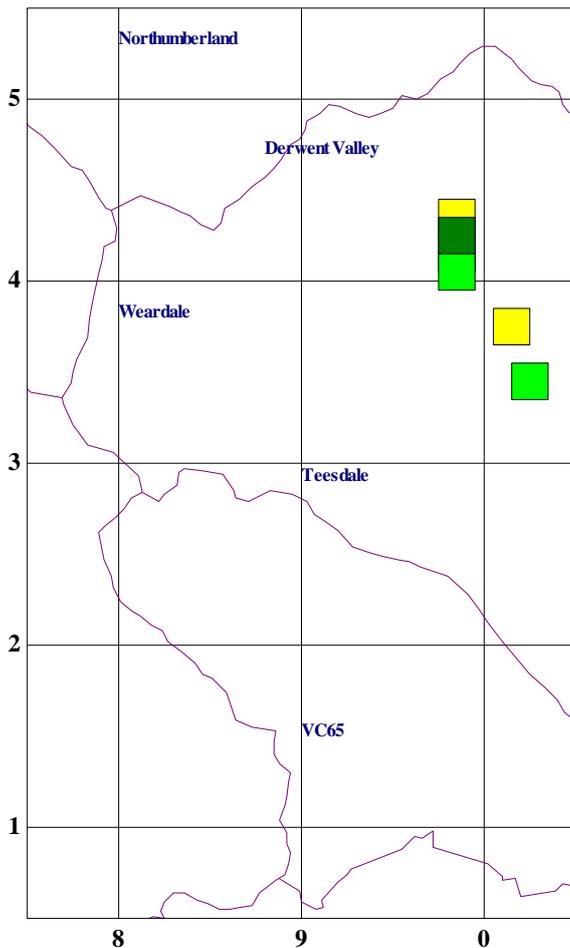
Well established in Weardale, in the upper part of Stanhope Burn and at Fine Burn.

05/09/98	NY9840	Burnhope Burn	McCutcheon, D.E.
25/07/98	NY984(5)429(0)	Stanhope Burn	A and G Young
27/07/08	NY98589 41921	Stanhope Burn	Andy Mclay
	NY98586 42144		
31/07/02	NY985(5)428(0) NY985(0)428(5)	Stanhope Burn	A & G Young
Jul-91	NZ025344	Fine Burn LWS 3.0.8	Valerie Standen



Photographed in County Durham
 by UKWildflowers.com

Wahlenbergia hederacea



Woodsia ilvensis Oblong Woodsia

National Status Endangered
 Local Status Rare, re-introduced

County Durham has a significant proportion of the national distribution of this species.

This fern was known from Falcon Clints and from Cronkley Scar from 1821 until the last specimens were collected, perhaps as late as 1950.

It has recently been re-introduced by Natural England to some of its former sites, using plants of Scottish, Welsh and Lake District origin. A good proportion have survived, but there is no sign of second generation plants yet.



Oblong Woodsia, *Woodsia ilvensis* in Teesdale

Conservation- All of the sites are in the Upper Teesdale Nature Reserve.

10/09/13	NY81602847	Falcon Clints, behind old sheep-fold	John Liam Durkin
09/09/13	NY8329	Cronkley Fell	John Liam Durkin

***Zostera marina* Common Eelgrass**

National Status Near Threatened
 County Status Extinct

Edges of salt marshes.

No recent records



***Zostera noltei* Dwarf Eelgrass**

National Status Vulnerable
 County Status Extinct

Edges of salt marshes.

No recent records

Bibliography

- Baker, J.G. & Tate, G.R.** (1868) *A new flora of Northumberland and Durham, with sketches of its climate and physical geography*. *Trans. Nat. Hist. Soc. Northumb.*, 2, 1-316. (available in modern reprints and free downloads).
- Bradshaw, Margaret E.** (ed) (2003) *The Natural History of Upper Teesdale* Durham Wildlife Trust
- Cope, Tom and Gray, Alan** (2009) *Grasses of the British Isles* BSBI
- Durham Wildlife Trust** (2007) *MAGical Meadows and the Durham Magnesian Limestone*. Durham Wildlife Trust.
- Graham, G. G.**, (1988). *The Flora and Vegetation of County Durham*, Durham County Conservation Trust.
- Lawrence, Ian** (1994) *A Guide to the Wild Flowers of Cleveland* Cleveland County Council
- Lowe, Christopher**, (1990) *Plants of Upper Teesdale* Christopher Lowe
- Rose, F & O'Reilly C** (2006). *The Wild Flower Key*. Frederick Warne, London.
- Stace, C.** (2010). *New Flora of the British Isles*. Cambridge University Press, Cambridge. 3rd ed.
- Stewart, A, Pearman, D A and Preston, C D** (1994) *Scarce Plants in Britain* JNCC
- Stroh, P. A.** *A Vascular Plant Red List for England*. BSBI 2014
- Swan, G. A.**, (1993). *Flora of Northumberland*. The Natural History Society of Northumbria, Newcastle-upon-Tyne.
- Wigginton, M J** (1999) *British Red Data Books 1 Vascular Plants* JNCC
- Winch, N. J, Thornhill, J and Waugh, R.** (1805) "*The botanists guide through the counties of Northumberland and Durham*". Hodgson.
- Winch, N.J.** (1831) *Flora of Northumberland and Durham*. T. & J. Hodgson. Newcastle. (available as a download pdf from Flora of North East England)

Site Index

- Beacon Hill**, 104, 136
Bishop Auckland, 22, 33, 87
Bishop Middleham, 62, 63, 152, 155
Bishop Middleham Quarry, 62, 90
Blackhall, 23, 30, 54, 88, 97, 136, 148
Blackhall Rocks, 23, 54, 88, 97, 136, 148
Blue House Gill, 30, 54, 136, 142
Bollihope, 98
Bowlees, 10, 17, 47, 128, 134, 138, 160
Brasside, 118, 125
Brockers Gill, 10, 11, 17, 18, 20, 21
Burnhope Head, 154
Burnhope Seat, 61, 154
Cassop Vale, 47, 56, 136, 155
Castle Eden Dene, 53, 119, 129, 142, 144, 148
Cauldron Snout, 21, 61, 134
Cetry Bank, 32, 33, 40, 41, 67, 77, 93, 100, 137, 158, 165
Chopwell, 87, 144
Cornriggs, 10
Cow Green, 23, 40, 77, 110, 152, 164, 165, 174
Crimdon Dene, 30, 148
Crimdon Denemouth, 97
Cronkley Bridge, 11, 33, 34, 67, 79
Cronkley Fell, 40, 41, 42, 58, 63, 70, 81, 83, 96, 110, 129, 134, 164, 165, 176
Cronkley Scar, 15, 21, 130, 134, 176
Darlington, 47, 131, 136, 169
Dead Stones, 151, 154
Deepdale, 71, 87, 115, 144, 166
Dent Bank, 15, 17, 21, 33, 134
Dine Holm Scar, 160
Eaglescliffe, 22, 163
Eggleston, 11, 15, 17
Egglestone Abbey, 144
Falcon Clints, 70, 98, 106, 130, 132, 137, 152, 174, 176
Flatts Wood, 17, 20, 34, 87, 90
Folly Top, 11, 17
Force Garth, 15, 17, 18
Forest-in-Teesdale, 17, 40, 55, 66, 70, 112, 137
Gateshead, 5, 152, 159, 163, 169
Gibside, 87, 106, 144
Great Wood, 134
Greatham, 31, 145
Greatham Creek, 31, 145
Greenabella, 30
Hamsterley, 8, 12, 16, 73, 98, 106, 141
Hamsterley Forest, 8, 73, 98, 106, 141
Hannah's Meadows, 11
Hart Warren, 30, 64, 90, 105, 114, 135
Hartlepool, 47, 135, 148
Hartlepool Golf Course, 135, 148
Hartlepool Slake, 47, 148
Harton Downhill, 104
Harwood, 11, 15, 17, 18, 21, 40, 66, 77, 79, 133, 137, 139, 154
Hawthorn, 53, 56, 90, 119, 144, 148, 164
Hells Kettles, 119
High Force, 34, 66, 97, 98, 106, 129, 134, 139, 158, 160, 161
Holwick, 15, 17, 20, 21, 79, 134, 160
Holwick Head Bridge, 15, 21, 134
Holwick Scars, 160
Horden, 30, 53, 54, 90
Horsleyhope, 55, 128
Ireshopeburn, 12, 59
Killhope, 110, 112, 117
Lands Wood, 87
Langdon Beck, 10, 11, 15, 16, 17, 18, 21, 32, 34, 77, 79, 100, 137, 138, 139, 158
Low Force, 34, 79, 160
Marsden Hall Quarry, 156, 163
Mickle Fell, 43, 110, 111, 112, 152
Middleton in Teesdale, 11, 15, 18, 67
Middleton Quarry, 81
Nag's Head, 154
Newbiggin, 18, 20, 47, 117
North Gare, 30, 36, 148
Paddock Hill, 87
Path Head Quarry, 152
Peghorn Lodge, 91, 154
Pike Whin, 162
Pittington, 56, 156
Pont Burn Wood, 87
Raisby, 56, 59, 62, 156
Red Sike, 67, 96, 109, 110, 137, 158, 165, 174
River Tees, 2, 11, 15, 26, 29, 31, 39, 67, 98, 106, 134, 139, 144, 160
Rookhope Burn, 20, 66
Running Waters, 156
Ryton Willows, 22, 88
Sand Sike, 34, 40, 67, 77, 137, 165
Seaton Carew, 84, 88, 140, 148
Slapestone Sike, 67, 93, 96, 106, 158, 174

Slit Wood, 47, 110
South Tyneside, 119
Stanhope Burn, 175
Stargate, 168
Stockton, 31, 169
Sunderland, 31, 36, 51, 172
Sunderland Cleugh, 51
Swinhope, 12, 19, 81
Temple Park, 113
The Stang, 152
Thornley Wood, 80, 88
Thrislington, 41, 56, 62, 104, 128, 136, 156
Town Kelloe, 136, 156
Tunstall Hills, 56, 90, 156
Tunstall Reservoir, 12, 94
Tyne Yard, 73, 169
Underhurth, 18, 19
verge, 10, 11, 12, 14, 16, 17, 18, 19, 20, 47, 55, 75, 98, 112, 155, 156, 164, 172
Verge, 11, 18, 47, 51, 110
Warren House, 30
West Newlandside, 51, 55
Westgate, 12, 13, 15
Whey Sike, 32, 70, 100, 138
Whorlton, 34, 84, 87, 158
Widdybank, 15, 21, 32, 33, 34, 40, 41, 66, 67, 70, 77, 91, 93, 96, 100, 109, 129, 137, 154, 164, 165, 167, 172, 174
Wildscar, 32, 40
Winch Bridge, 8, 11, 19, 20, 21, 29, 66, 98, 108, 128, 133, 134, 158, 160
Wingate Quarry, 156
Winston, 144
Witton-le-Wear, 47, 110
Wolsingham, 13, 75, 110
Wylam, 22, 64