

Durham Rare Plant Register
2013

Covering VC66 and the Teesdale part of VC65



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First published 2010.

This is the 2013, third edition.

Improvements in this edition include-

- ❖ An additional 10% records, most of these more recent and more precise.
- ❖ New colour coded maps produced from DMAP.
- ❖ This edition is “regionally aligned”, that is, several species which are county rare in Northumberland, but were narrowly rejected for the Durham first edition, are now included.

Cover picture—Spring Gentian at Widdybank Fell.

Introduction

Many 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.

This account is based mainly on the "Flora and Vegetation of County Durham", the recording effort that has gone into the Botanical Society of the British Isles "Atlas 2000" project, the considerable survey effort at the Durham Biodiversity Partnership, and recent records by the Darlington and Teesdale Naturalists Field Club, the Northumbria natural History Society and the author. New records, amendments and updates are very welcome.

Species Covered

Two groups of vascular plant species are included. Firstly, the nationally rare species listed in the BSBI/IUCN list. These are classified as "Critically Endangered", "Endangered", "Near Threatened", "Rare", "Vulnerable" and "Scarce". Durham has an exceptionally large number of these, 136 in all, because of the importance of the Teesdale flora. 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 will not be repeated here.

Secondly, 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 or "locally scarce" species with less than 10 sites in the county. This would include about 100 species in Durham.

For the purposes of the current edition, I am excluding 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.

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.

Information Given

For all of BSBI/IUCN listed species and for some of the Locally Rare species the following details are given-

Common name
Scientific Name
National Status
Local Status
Range in Durham
Significance of the Durham population.
Site Records with location, recorder and year.
Protection status of the current sites
County map of locations

If appropriate for selected species-
Photograph of plant in local habitat.

Geographical Area

The Durham Rare Plant Register covers the Watsonian Vice County of Durham, numbered as "66", plus the Teesdale area of VC65. The VC65 area is included because it 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 indicated as such in the text.

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, 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 6500 records of the selected rare species.

The *Alchemilla* species notes follow the text of articles written recently by Dr Margaret Bradshaw. Many of the Upper Teesdale records are, of course, also from Dr Bradshaw.

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.

National Categories	
Critically Endangered	5
Endangered	14
Near Threatened	23
Rare	7
Scarce	50
Vulnerable	34
Total	133
Local Categories	
Locally rare	36
Locally scarce	75
Total	111

Range

Where the range is given as “Upper Teesdale NNR”, this means that the entire range in Durham is within the National Nature Reserve. “Upper Teesdale” means Teesdale above Middleton, “Teesdale” means below Middleton. “Dales” means the plant occurs in the west of the county, in Teesdale, Weardale, and/or the Derwent Valley. “Lowland” covers the east of the county. “Both Limestones” means that the plant grows on both the Carboniferous Limestones of the west of the county, and the Magnesian Limestone of the east.



Oblong Woodsia, *Woodsia ilvensis* in Teesdale

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.

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 Durham for 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.

Recorders

Some of the recorders' names have been abbreviated-

CNFC	Cleveland Naturalists Field Club
DTNFC	Darlington and Teesdale Naturalists Field Club
DWT	Durham Wildlife Trust
GGG	Rev. Gordon Graham
JWHH	Professor J W Heslop Harrison
NNU	Northern Naturalists Union

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. 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.

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.

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%

Significant Sites

Several sites within the county have numbers of nationally rare and scarce species. The Upper Teesdale NNR is large and species-rich, and is easily the best area in the county for these species, and perhaps the best in England.

Area	Status	Rare & Scarce Species
Upper Teesdale	NNR/SSSI	46
Durham Coast	NNR/SSSI	14
Castle Eden Dene	NNR	7
Thrislington	NNR	6
Cassop Vale	NNR	6
Winch Bridge Crag	No status (see below)	5
Hawthorn Dene	SSSI	5
Bishop Middleham Quarry	SSSI	4
Deepdale Wood	LWS	3
Other SSSIs	SSSI	1 or 2.



Upper Teesdale, confluence of the River Tees and the Harwood Beck

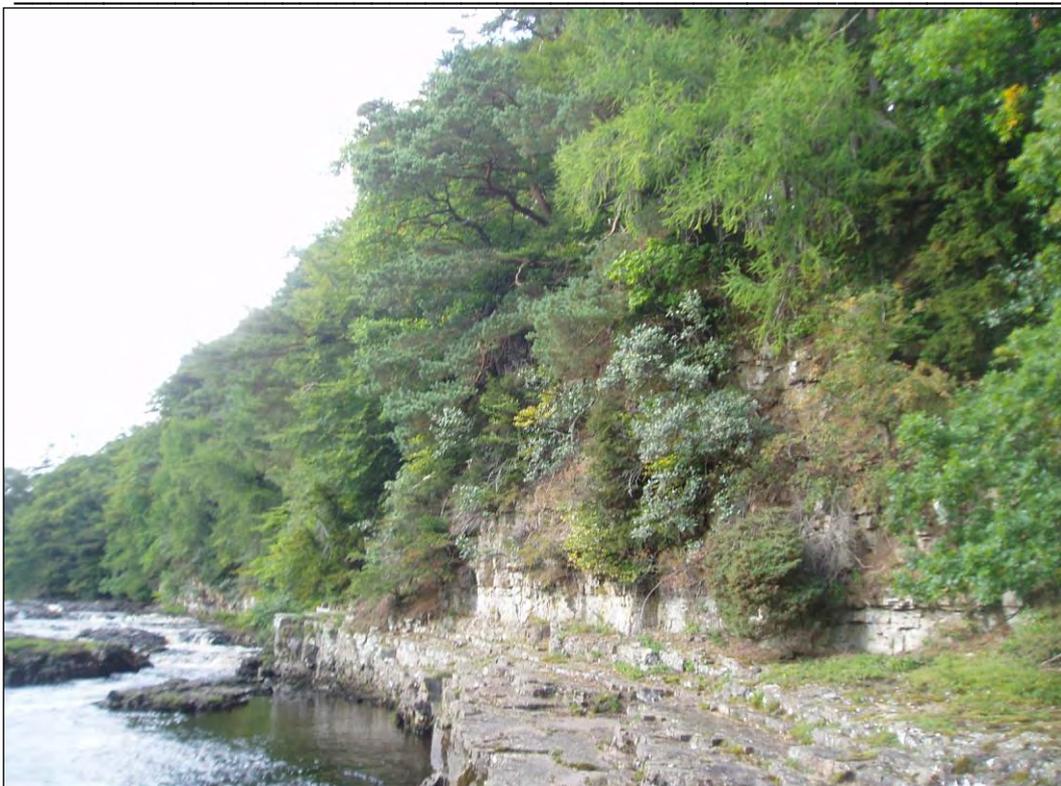
Deficient Site Protection

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 Curreant, 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 currently known locations.



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

Local Authority areas

Most of the area covered in this register lies in the modern county of Durham. There are also six smaller local authority areas, in the more urban areas. These are Gateshead, South Tyneside, Sunderland, Hartlepool, Stockton and Darlington. Each has its own selection of plants that are national and county rarities.

South Tyneside

National

- Blue Moor Grass *Sesleria caerulea* and Purple Milk Vetch *Astragalus danicus* are found on several magnesian limestone sites, though the latter seems to have declined.
- Perennial Flax *Linum perenne* is abundant at its longestablished Harton Downhill site, and occasional on the nearby coastal cliff grasslands.
- Tubular Water Dropwort *Oenanthe fistulosa* is frequent at its Boldon Flats site, and has established well at several other sites to which it was introduced by transplanting turves from Boldon Flats around 1990.
- Wall Germander *Teucrium chamaedrys* has been known for over a century at Marsden Old Hall Quarry.
- Annual Knawel *Scleranthus annuus* grows at Souter Lighthouse.

County

- Sea Spleenwort *Asplenium marinum* is locally frequent on the sea cliffs at Marsden and Whitburn, with about half of its county population here.
- Water Chickweed *Myosoton aquaticum* has its only county site at Temple Park.
- Dropwort *Filipendula vulgaris* has its county HQ in the Cleadon Hills/Marsden area.

All of these sites with national or county rarities are SSSIs or LWSs.

**Sunderland
National**

- Blue Moor Grass *Sesleria caerulea*, Pale St Johns Wort *Hypericum montanum*, Frog Orchid *Dactylorhiza viride* and Purple Milk Vetch *Astragalus danicus* are found on several magnesian limestone sites.
- Dark Red Helleborine *Epipactis atrorubens* was formerly recorded at High Moorsley, a site which has subsequently been in unfavourable management.
- Downy Currant *Ribes spicatum* is present at Herrington Hill Wood.
- Good King Henry *Chenopodium bonus-henricus* has several records.

County

- Common Broomrape *Orobanche minor* is present at two brownfield sites.

All of these sites with national or county rarities are SSSIs or LWSs.

Gateshead National

- Wood Barley *Hordelymus europaeus* and Downy Currant *Ribes spicatum* are both present, in a number of woodlands, particularly in the ancient semi-natural woods of the Derwent Valley.
- Narrow-lipped Helleborine *Epipactis leptochila* grows on the banks of the River Tyne between Wylam and Clara Vale. This is the only county site.
- Annual Knawel *Scleranthus annuus* grows on sandy soils around Pathhead Quarry.
- Stag's Horn Clubmoss *Lycopodium clavatum* grows on two lowland heath sites, at Gibside and at Marley Hill.
- White Mullein, *Verbascum lychnitis*, grows at Tyne Yard railway sidings.
- Field Garlic *Allium oleraceum* is occasional at Wylam and Ryton Willows.
- Good King Henry *Chenopodium bonus-henricus* has several records.

County

- Sheeps Bit *Jasione montana* has a precarious existence at its only site in North East England, on the edge of a sand quarry.
- Southern Marsh Orchid *Dactylorhiza praetermissa* can still just be detected at one of its two county sites, though the majority of orchids here are now hybrids with other *Dactylorhiza* orchids.
- Common Broomrape *Orobanche minor* is sometimes frequent in a field adjacent to former sand quarries.
- Knotted Hedge Parsley *Torilis nodosa* was recorded from a churchyard in east Gateshead.
- Royal Fern *Osmunda regalis* has been re-introduced to its historic site at Lintzford Wood.
- Greater Bladderwort *Utricularia vulgaris* has been known from the Glebe Pond, at Ryton Willows SSSI, for 200 years, and at Stargate Ponds more recently

All of these sites with national or county rarities are SSSIs or LWSs, with the exception of Common Broomrape, Knotted Hedge Parsley, and White Mullein.

Hartlepool National

- Purple Milk Vetch *Astragalus danicus* is found on several magnesian limestone and coastal sites.
- Dune Helleborine *Epipactis dunensis*, and Spring Cinquefoil *Potentilla tabernaemontani* are present at Hart Warren. For both of these species, this is the only county site. Burnt Orchid *Neottinea ustulata* is also present at Hart Warren, one of only two county sites.
- Tubular Water Dropwort *Oenanthe fistulosa* and *Viola canina* are present near the mouth of Crimdon Dene. The violet has also been recorded from Sunderland Lodge Wood.
- Birds Eye Primrose *Primula farinosa* grows at Beacon Hill.
- Pale St Johns Wort *Hypericum montanum* grows on the Hart Warren Railway Embankment.
- Frog Orchid *Dactylorhiza viride* grows at Hart Station.
- *Atriplex longipes x prostrata* has been recorded at Greatham Marsh.
- Sea-heath *Frankenia laevis* has been reported from the edge of Seal Sands. This has yet to be confirmed. This would be the only site in the region.
- Sand Soft Brome *Bromus hordaceus thominii* has been recorded from North Gare.

County

- Tufted Sedge *Carex elata* has been recorded at Black Wood Marsh, High Stotfold and Elwick Hall.
- Long-bracted Sedge *Carex extensa* has been recorded at Hartlepool Slake.
- Slender Spike-rush *Eleocharis uniglumis* has been recorded in the area around Seal Sands.
- Common Gromwell *Lithospermum officinale* grows at Hart Warren and around Crimdon Denemouth.
- Field Gromwell *Lithospermum arvense* grows at Hart Warren.

- Wild Clary *Salvia verbenaca* has been known for many years around the Horseshoe Tunnel area. This is the only county site.
- Knotted Hedge Parsley *Torilis nodosa* has been recorded at Greatham.
- Spring Vetch *Vicia lathyroides* has been recorded at Seaton Sands, and there are older coastal records from north of Hartlepool. These are the only recent county sites.
- Southern Marsh Orchid *Dactylorhiza praetermissa* has been recorded at Seaton Sands, one of only two county sites.
- Sea Holly *Eryngium maritimum* has re-colonised North Sands, after an absence of 60 years.

All of these sites with national or county rarities are SSSIs or LWSs, except for Sea Heath and Slender Spike-rush.

Stockton

For historic reasons, this account only covers the area north of the River Tees and a few hectares south of the river at the Barrage.

National

- Purple Milk Vetch *Astragalus danicus* has been recorded at Greenabella Marsh.
- Frog Orchid *Dactylorhiza viride* has several records for Billingham Bottoms, though none are recent.
- Common Cudweed *Filago vulgaris* has been recorded from further up the Billingham Beck Valley.
- Tubular Water Dropwort *Oenanthe fistulosa* has several records from the Billingham Beck/Billingham Bottoms area.
- *Atriplex longipes x prostrata* has been recorded at Greatham Marsh and in the former bed of the Old Tees near the barrage.
- Field Garlic *Allium oleraceum* is occasional on the banks of the Tees.
- Good King Henry *Chenopodium bonus-henricus* has several records.

County

- Clustered Bellflower *Campanula glomerata* has been recorded at Thorpe Thewles, though few if any of the County's records of this plant are native sites.
- Knotted Hedge Parsley *Torilis nodosa* is found at several places at Cowpen Marsh.
- Slender Spike-rush *Eleocharis uniglumis* has been recorded in the area around Seal Sands.
- Orpine *Sedum telephium* grows at Urlay Nook.

All of these sites with national or county rarities are SSSIs or LWSs, except for *Atriplex longipes x prostrata* and Orpine.

Darlington National

- Tubular Water Dropwort *Oenanthe fistulosa* is present at Hell Kettles ponds.
- Downy Currant *Ribes spicatum* grows at the Tees Banks Woods at Coniscliffe.
- White Mullein, *Verbascum lychnitis*, grows on the old Stockton-Darlington railway track.
- Field Garlic *Allium oleraceum* has been recorded at Heighington.
- Good King Henry *Chenopodium bonus-henricus* has several records.

County

- Common Broomrape *Orobanche minor* has been recorded at a former railway brownfield site.
- Great Fen Sedge *Cladium mariscus* has been present at Hell Kettles, its only county site, for at least 200 years.
- Slender Spike-rush *Eleocharis uniglumis* is another species found at the very rich Hell Kettles SSSI.
- Brookweed *Samolus valerandi* has been recorded at Low Dinsdale. Though not recorded recently, it may still be there.

All of these sites with national or county rarities are SSSIs or LWSs, except for White Mullein, Common Broomrape site, and Field Garlic.

The Species Accounts, Alphabetical List

White background =SSSI, Green =LWS, Red = no status



Birds Eye Primroses, a very pale form at Widdybank.

Alchemilla acutiloba
Starry Lady's Mantle

National Status Vulnerable
 County Status Declining

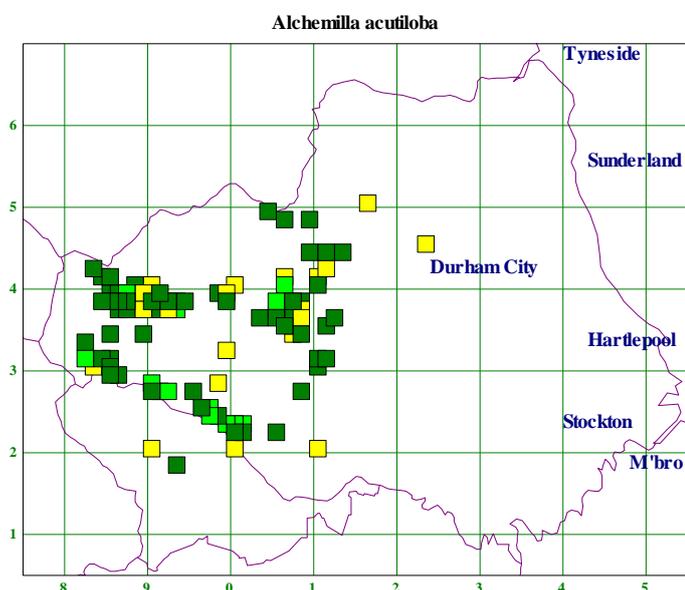
The account of this species follows the text of a recent review by Margaret Bradshaw.

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.



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 NY869393	Blackdene	Wigginton, Dr M.J.
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
Jun-89	NZ012231	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		Middle End	
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	NY84096 31936	Verge E of Greenhills	John O'Reilly
08/07/92	NY990238	Eggleston	GGG
1991	NY917273	West Brockers Gill	Graham, Rev G.G.
1999	NY91822721	West Brockers Gill	M Bradshaw
09/09/03	NY90452795	Winch Bridge	M Bradshaw

	NY95052728	High Dyke to	Jane Young
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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
2002	NY89583455	Swinhope Head	M Bradshaw
	NY89583460		
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	NY86603900	West Blackdene	M Bradshaw
	NY86653951		
	NY86733948		
	NY86803931		
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-Aug-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	Wolsingham	M Bradshaw
	NZ07203619		
	NZ07273570		
2002	NZ07493530	Wolsingham	M Bradshaw
03-Sep-99	NZ05723820	Wolsingham	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

Alchemilla filicaulis filicaulis
Slender Lady's Mantle

National Status None
County Status Rare

17 Jun 2006	NY9012 2495	Crooks o' Green Fell	Robson, Craig
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Derwent Valley Sites

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

Alchemilla glomerulans
Clustered Lady's Mantle

National Status Vulnerable
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.

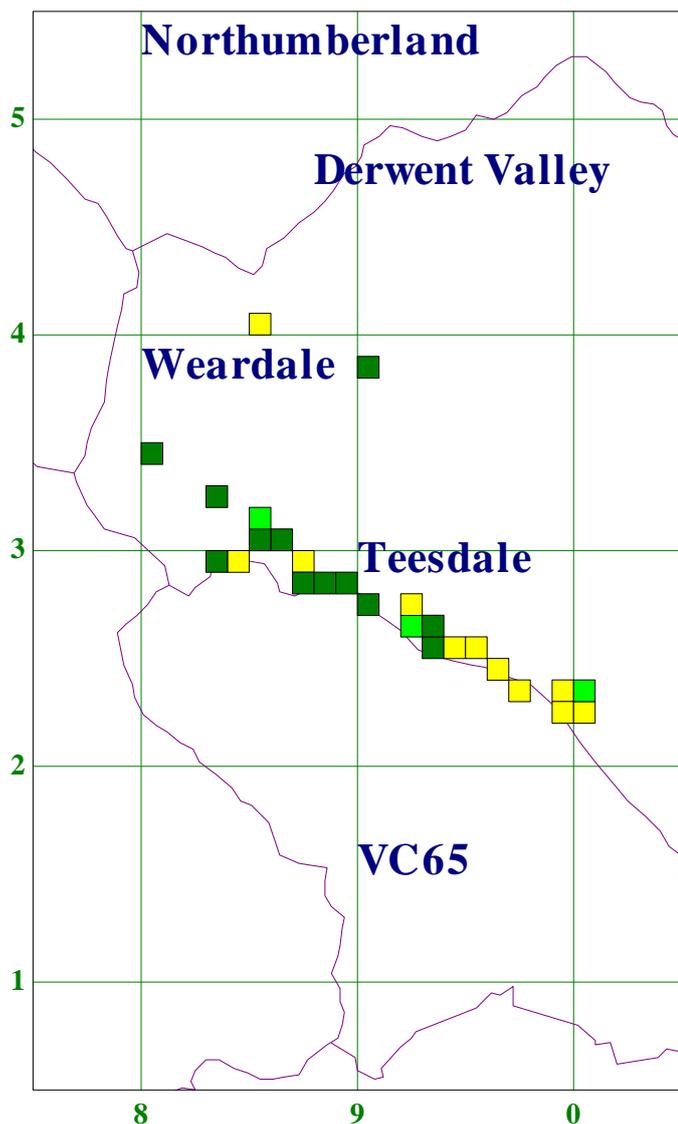
The main areas of distribution of *A. glomerulans* are in Scotland where it is scarce. In England it is on the southern fringe of its range. It is absent from the Lakes and has become scarcer in both Craven and the Durham Dales. The loss of the Pennine plants would constitute a serious contraction of 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
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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

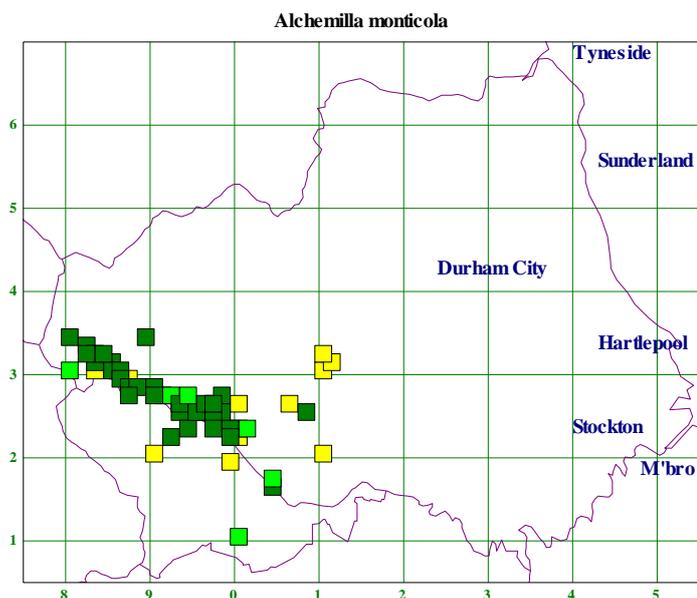
The account of this species follows the text of a recent review by Margaret Bradshaw.

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

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		
	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	NY992224	Romaldkirk, north of Beer Beck, south verge	K Bowie, K Cunningham F Daly, J Durkin.
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.
	NY85763075		
24-Jul-99	NY862308	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.

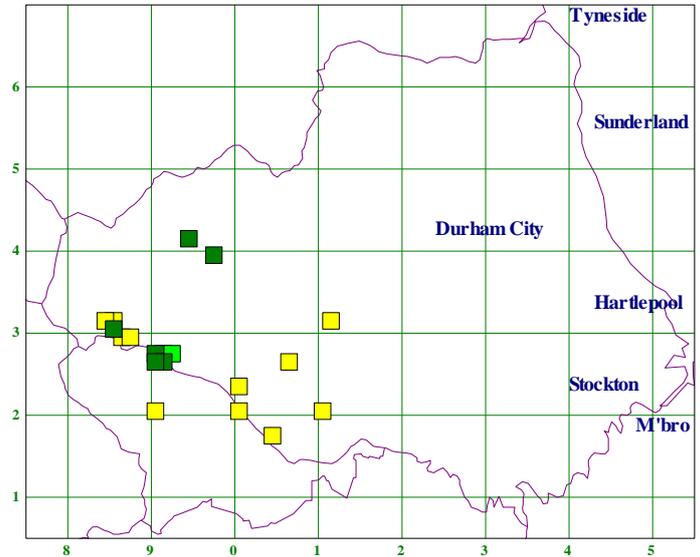
Wear Sites

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.
12/07/06	NY8530	Harwood Beck	G Young
24-Jul-99	NY90752724	Holwick	M Bradshaw
22-Aug-00	NY90752705	Holwick	M Bradshaw
	NY90852715		
	NY90902723		
	NY91122668		
	NY91252662		
	NY91282659		
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
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

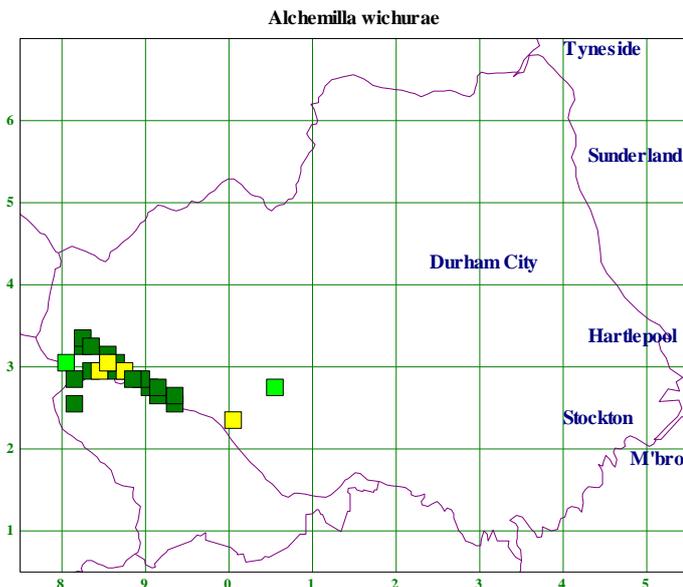
The account of this species follows the text of a recent review by Margaret Bradshaw.

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.



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.

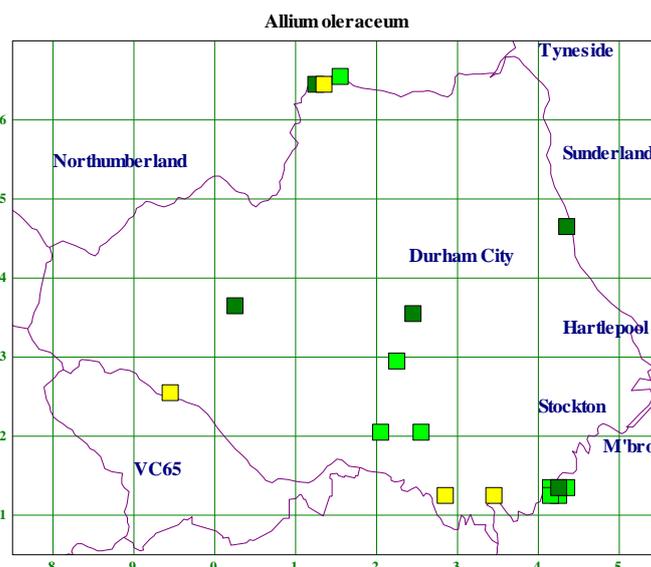
There are no recent records.

***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	NZ0236	Shimwell, Dr D.W.
28 Jul 91	NZ152651	Ryton Willows	Rewcastle, L.
10 Apr 10	NZ1264	Tyne riverbanks, Wylam	John Liam Durkin



***Alopecurus magellanicus* Alpine Foxtail**

National Status Scarce
County Status Extinct

Formerly rare in Upper Teesdale.

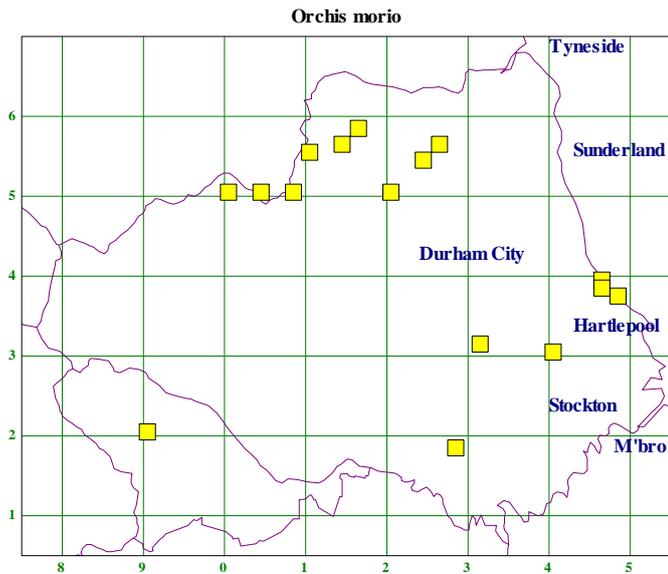
Found in 1945 on sheep cropped mounds of short turf near to the Tees by JKM (K) determined by CE Hubbard. The site is now under the Cow Green Reservoir.

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



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

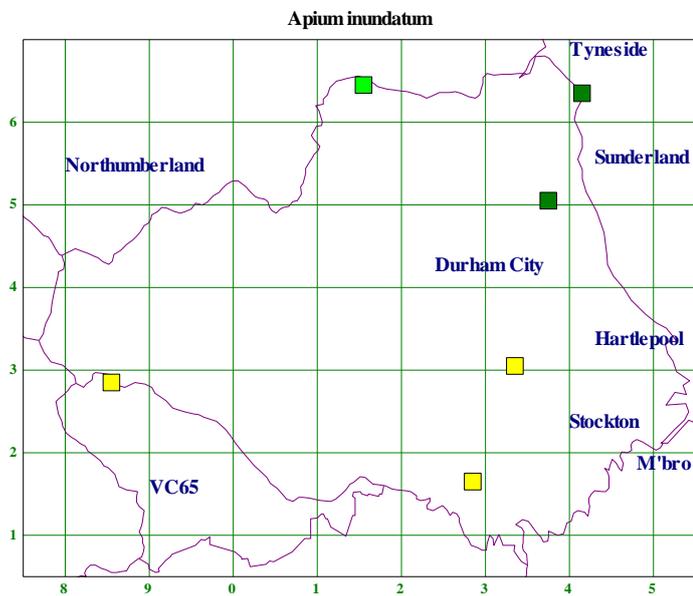
There are no recent records.

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.

Apium inundatum Fool's Water Cress

National Status None
 County Status Scarce, declining.

21/06/84	NZ285164	Faverdale	Burnip, M.
1984	NZ284164	Horse-field pond	David Green
18/06/99	NZ156649	Ryton Willows, Gut Pond	A & G Young
30-Jul-81	NY853287	Tarn Dub	Newbold, C.
11/08/09	NZ370505	Warden law LNR	Andy Mclay
06/09/07	NZ418633	Whitburn Point	John O'Reilly

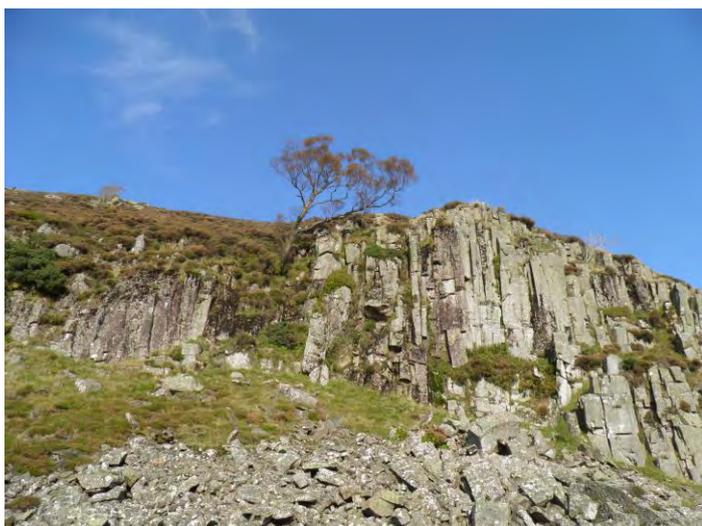


Arctostaphylos uva-ursi Bear Berry

National Status None
 County Status Scarce, declining.

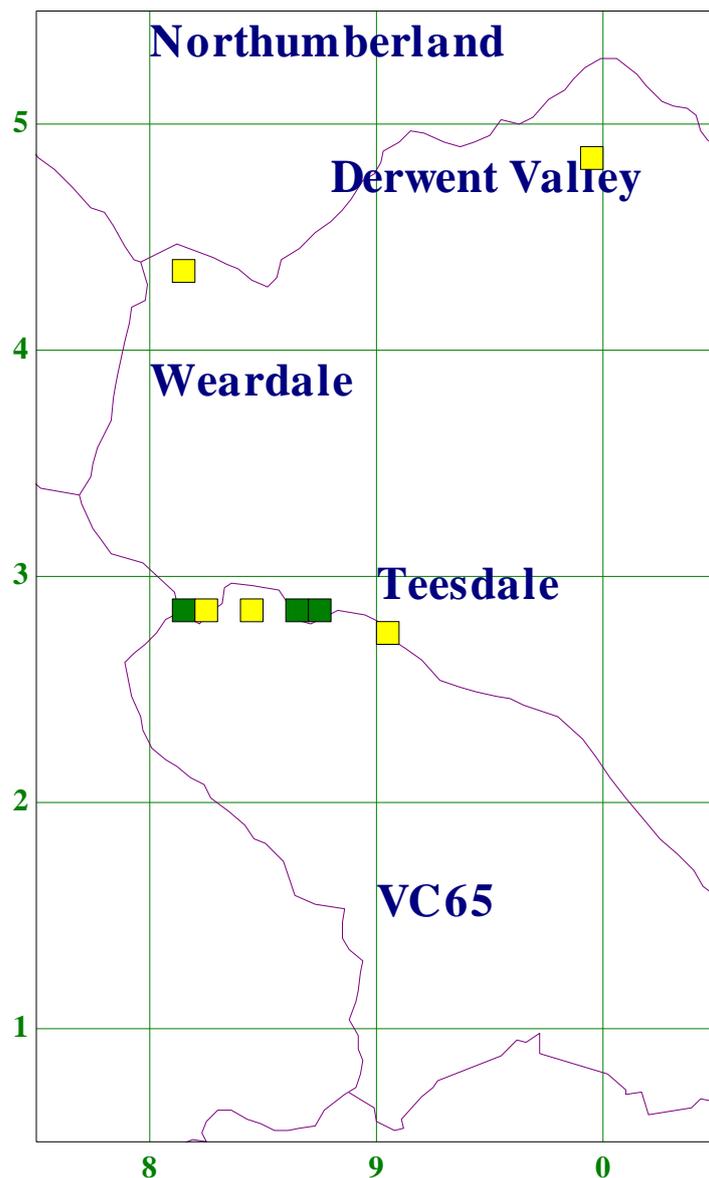
Mainly at Falcon Clints, the listed sites are patches of several square metres, visible from the Pennine Way footpath. There are probably more small sites on the crags.

2005	NY867282	Dineholm	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



Typical crag habitat (right of tree)

Arctostaphylos uva-ursi

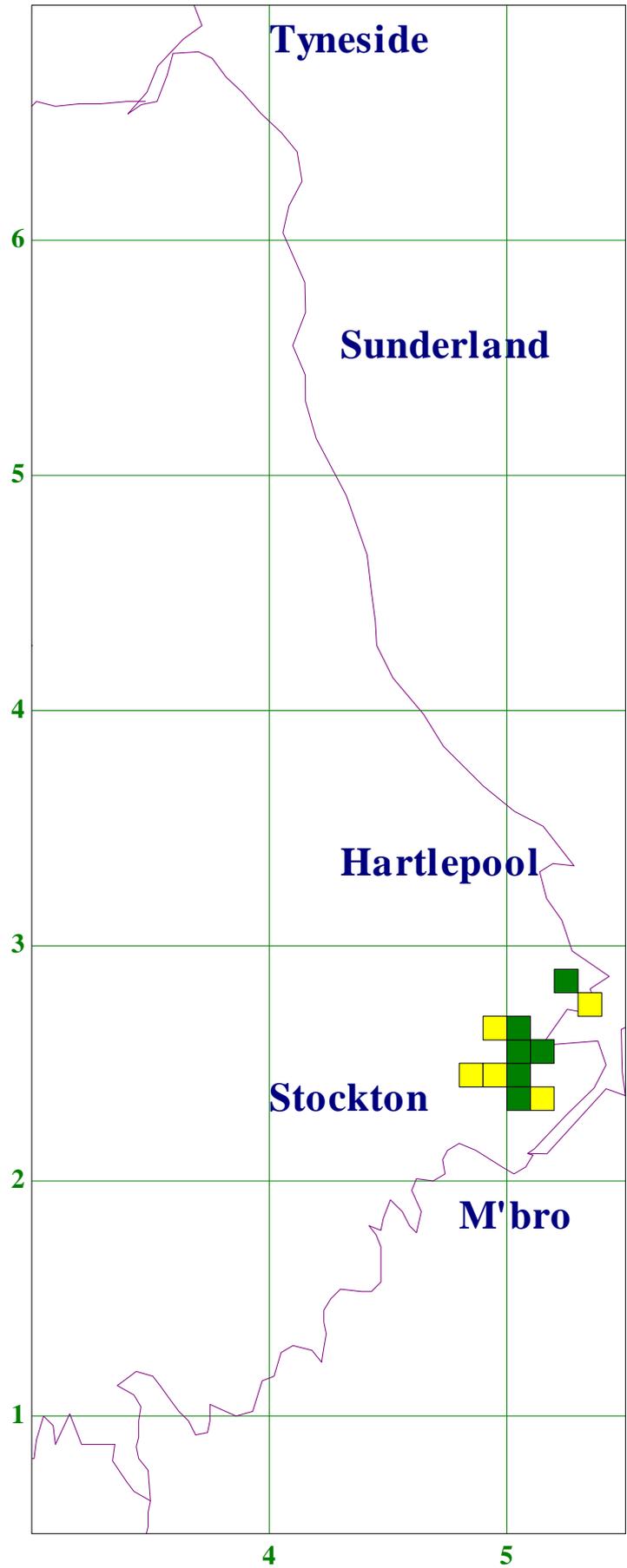


Artemisia maritima
Sea Wormwood

National Status None
County Status Scarce, declining.

1989	NZ42X	Cowpen Marsh	McAndrew R.T.
24/05/00	NZ5024	Cowpen Marsh	A & G Young
05-Oct-81	NZ504258	Greatham Creek	GGG
2009	NZ5125	Greatham Creek	Ian Bond
	NZ5025		
2009	NZ5026	Greenabella Marsh	Ian Bond

Artemisia maritima



Asplenium marinum Sea Spleenwort

National Status None
 County Status Scarce, declining.

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

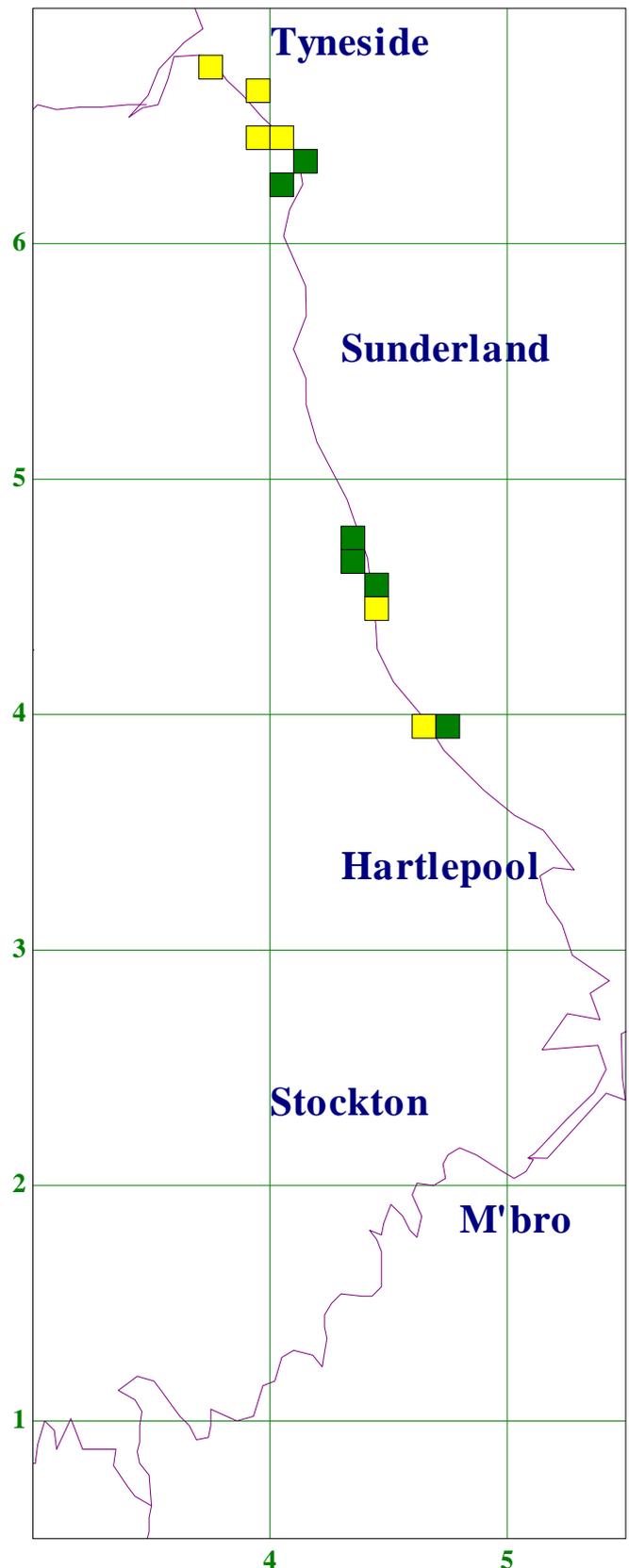
In South Tyneside, the main site is at Potter’s Hole and Byers Hole, with several smaller groups in bays south as far as the bird observatory. Sites further north may have been lost to coastal erosion.

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.

1988	NZ3966	The Leas	P. Collins
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
04/07/11	NZ4706839188 NZ4710739133 to NZ4711939120 NZ4712339124	Blackhall Rocks	J L Durkin

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".

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

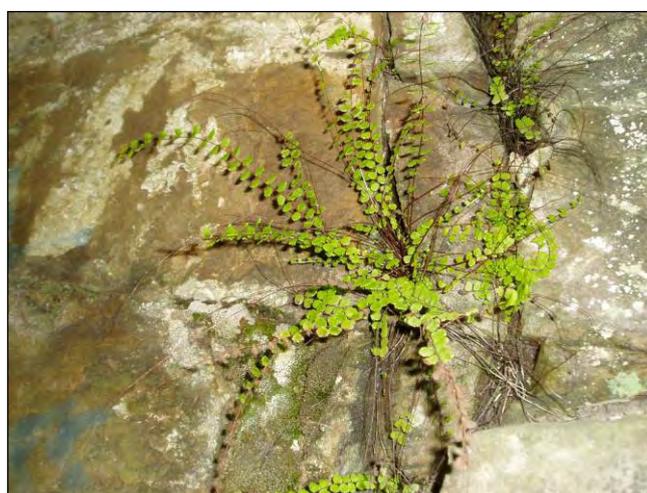
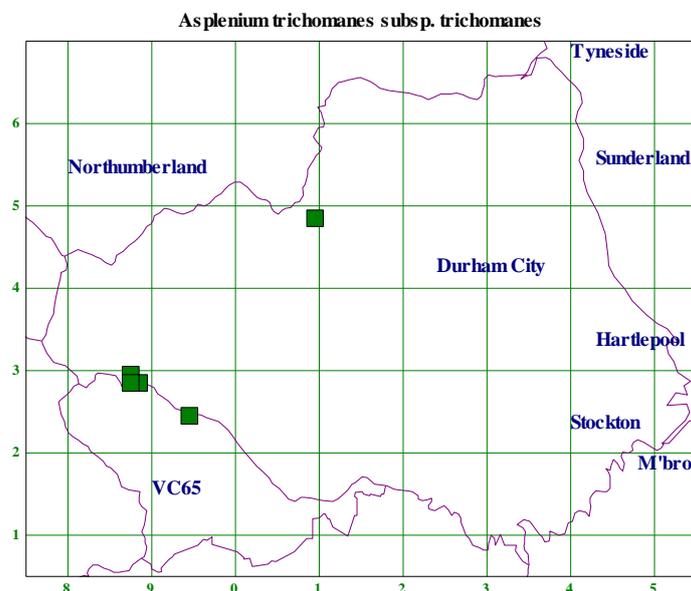


***Asplenium trichomanes trichomanes*
Delicate Maidenhair Spleenwort**

National Status None
County Status Scarce, declining

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

Jul-06	NY871291	Dufton Moss Quarry	J L Durkin
May-07	NZ0948	Hown's Gill	J L Durkin
27-Jun-08	NY948245	Middleton Quarry SSSI	J L Durkin
Aug-07	NY885285	River Tees banks, High Force	J L Durkin

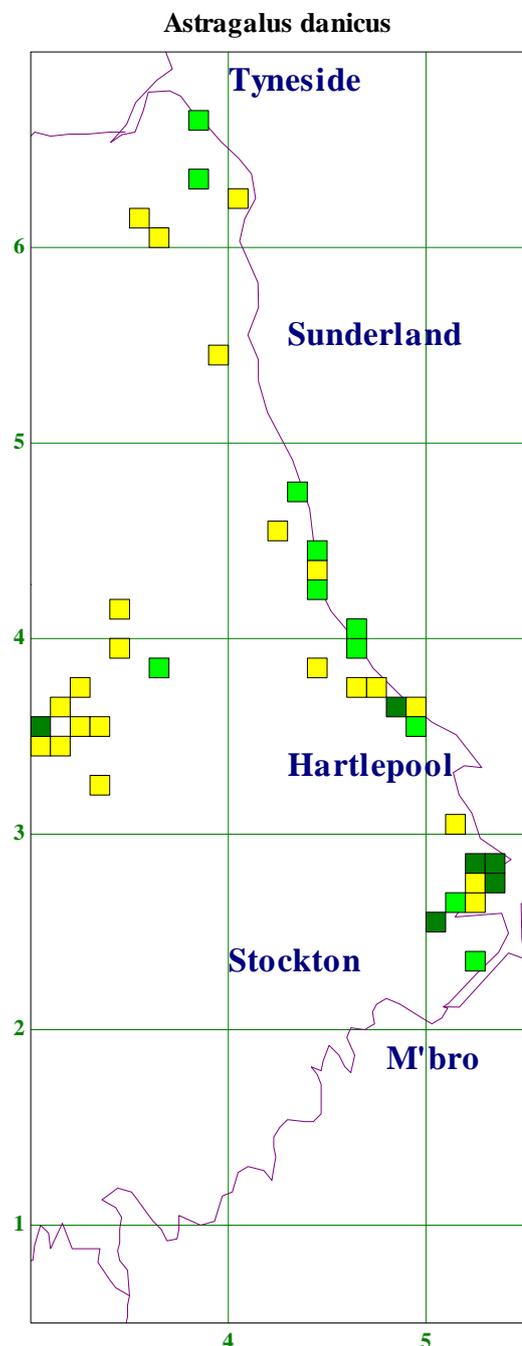


Astragalus danicus Purple Milk-vetch

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 Colliery	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.
09/06/80	NZ499355	Hart Warren	Appleyard P R
08-Jul-01	NZ535285	North Gare	Lawrence I
1988	NZ53602822	Seaton Dunes	Radley G P
07/08/11	NZ5369927439	Seaton Dunes	J Durkin
	NZ5371027464		
	NZ5371027733		
	NZ5368028029		
	NZ5366428094		
	NZ5367728207		
1999	NZ3638	The Bottoms SSSI	English Nature
15/06/91	NZ3866	Trow Point	Collins, P.
1988	NZ392545	Tunstall Hills SSSI	English Nature
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
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***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.

Bartsia alpina **Alpine Bartsia**

National Status Nationally Rare
 County Status Scarce

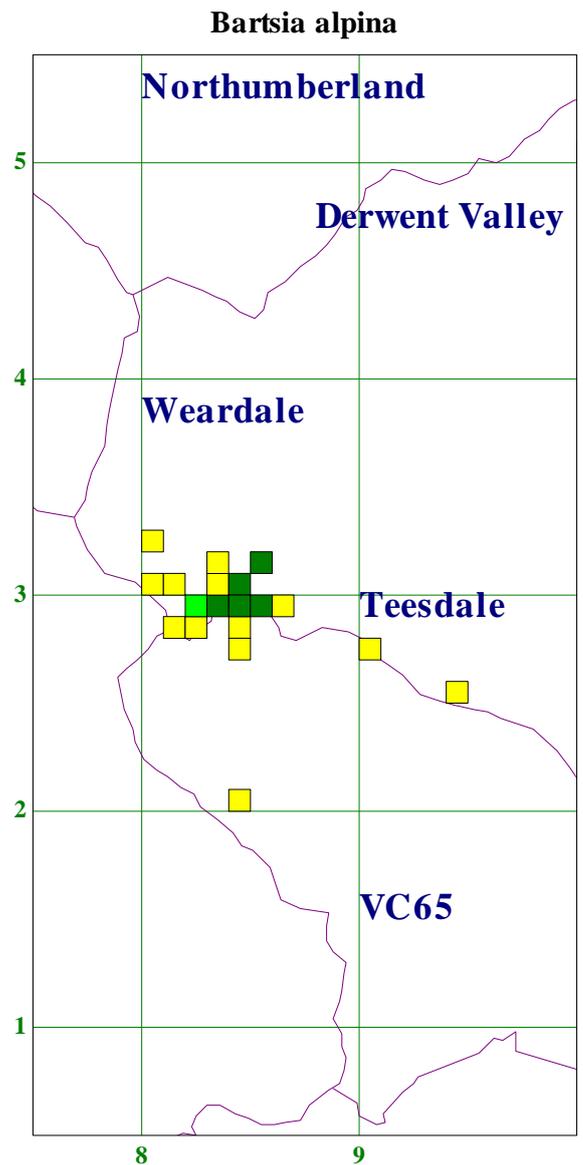
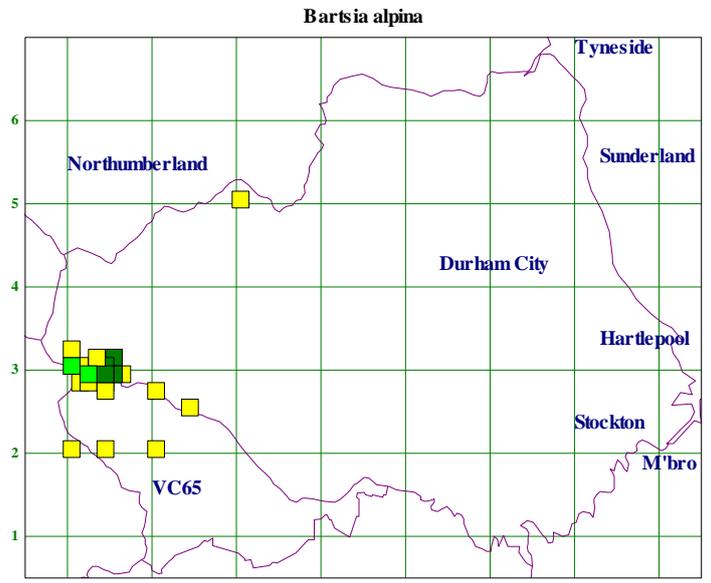
In upper Teesdale, mainly on Widdybank, but also on road verges. There is a single, old record from the Derwent Valley. Most sites have few plants, and appear to be declining.

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

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
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
15/09/81	NY842301	Widdybank Pasture	Graham, Rev G G.
	NY846302	Widdybank Pasture	
06/06/11	NY84273028	Widdybank	J Richards
	NY841302		
2008	NY847304	Wildscar Sike	Jeremy Roberts
	NY837299		



Photographed in County Durham by UKWildflowers.com



Betula nana Dwarf Birch

National Status Scarce
 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.

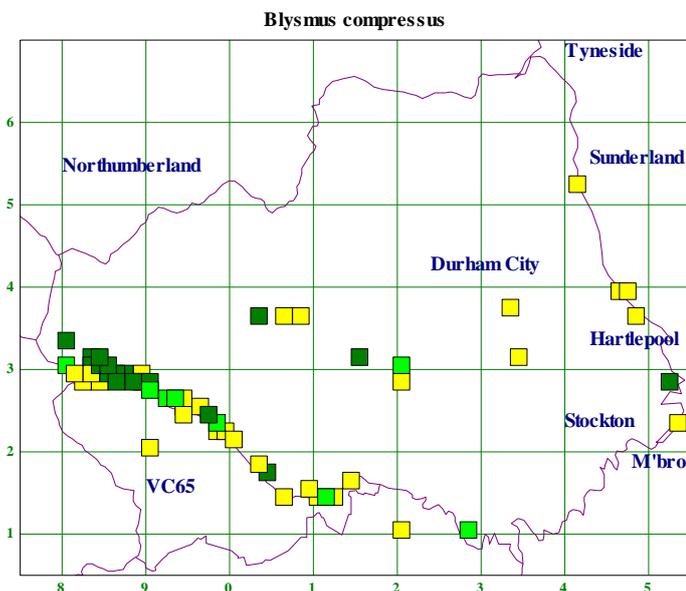
15/09/09	NY8202128805	Widdybank Fell	M Schober
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Blysmus compressus Flat Sedge

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.



21/06/96	NZ209303	Bishop Auckland	GGG
28/06/08	NY907284	Bowlees	J & C O'Reilly
22/06/96	NY907283	Bowlees Quarry	Jones, Vincent
30/06/06	NY8429	Cetry Bank	Wood, D & Woods, M
28-Jun-08	NY862293	Cronkley Bridge	J & C O'Reilly
	NY861294		
17-Jul-93	NY9326	Dent Bank	GGG
1992	NY983237	Eggesburn Shingle Bank CWS 6.19	Valerie Standen
Jul-80	NY982236	Eggleston	GGG
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
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
18-Jul-08	NY8529	Meadows W of High House	Fiona Corby
1986	NY948245	Middleton Quarry SSSI	English Nature
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
	NY8637629114		
	NY8629029296		
	NY8629029310		
04/07/09	NY8637629114	Riverbank south and west of Wat Garth	John O'Reilly

	NY86398 29004		
	NY86489 28890		
30/06/09	NY8488 3107	Beck bank S of Langdon Beck Ptn	John O'Reilly
12/08/09	NY839309	Sand Sike	John O'Reilly
	NY840309		
	NY841309		
04/07/09	NY84188 30968	Sand Sike	John O'Reilly
	NY84444 30992		
	NY84346 30934		
	NY84299 30918		
	NY84239 30936		
17/09/06	NZ52J	Seaton	DTNFC
18/08/09	NY80956 33874	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	NY8559 2985	Wheysike House	J O'Reilly
07-Jul-92	NZ110146	Whorlton	Peacock, H.
28/06/08	NY840300	Widdybank Farm	J & C O'Reilly
03-Jul-09	NY8331	Widdybank Fell	M Schober
15/09/81	NY846302	Widdybank Pasture	GGG
	NY842301		
28/06/08	NY842300	Widdybank Pasture	J & C O'Reilly
	NY841300		
03-Jul-08	NY841300	Widdybank Pasture	J O'Reilly & J Quinonez

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.

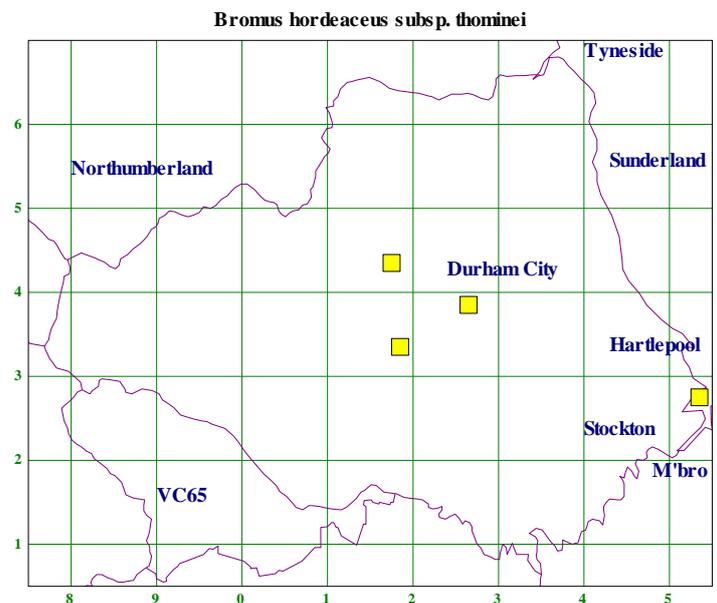
Bromus hordeaceus thominei Coastal Soft-Brome

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



***Bromus commutatus* Meadow Brome**

National Status None

County Status Rare

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.
30/07/81	NY853287	Tarn Dub	Newbold, C.
1946	NZ0244	Waskerley Reservoir	Morton, Dr J.K.

Campanula patula Spreading Bellflower

National Status Endangered
 County Status Extinct.

No recent records.

Cardamine impatiens
Narrow Leaved Bitter Cress

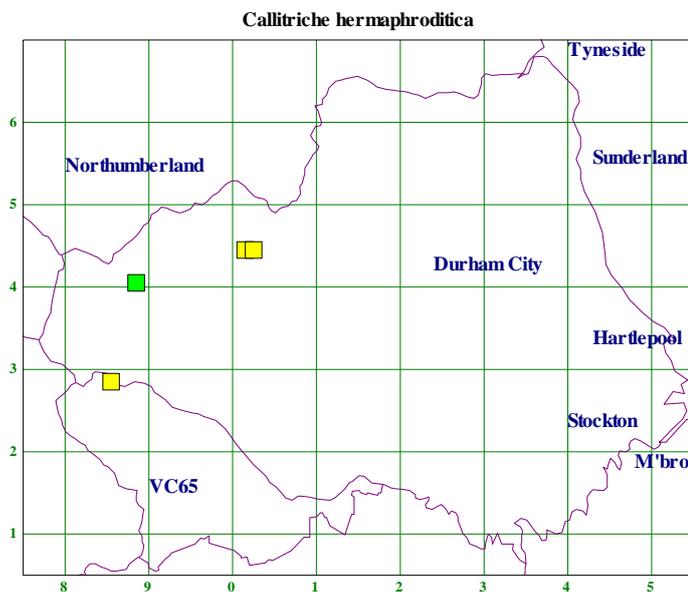
National Status Near Threatened
 County Status Extinct

No recent records.

Carduus tenuiflorus
Slender Thistle

National Status None
 County Status Rare

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



Calystegia soldanella
Sea Bindweed

National Status None
 County Status Rare

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

Carex aquatilis

Water Sedge

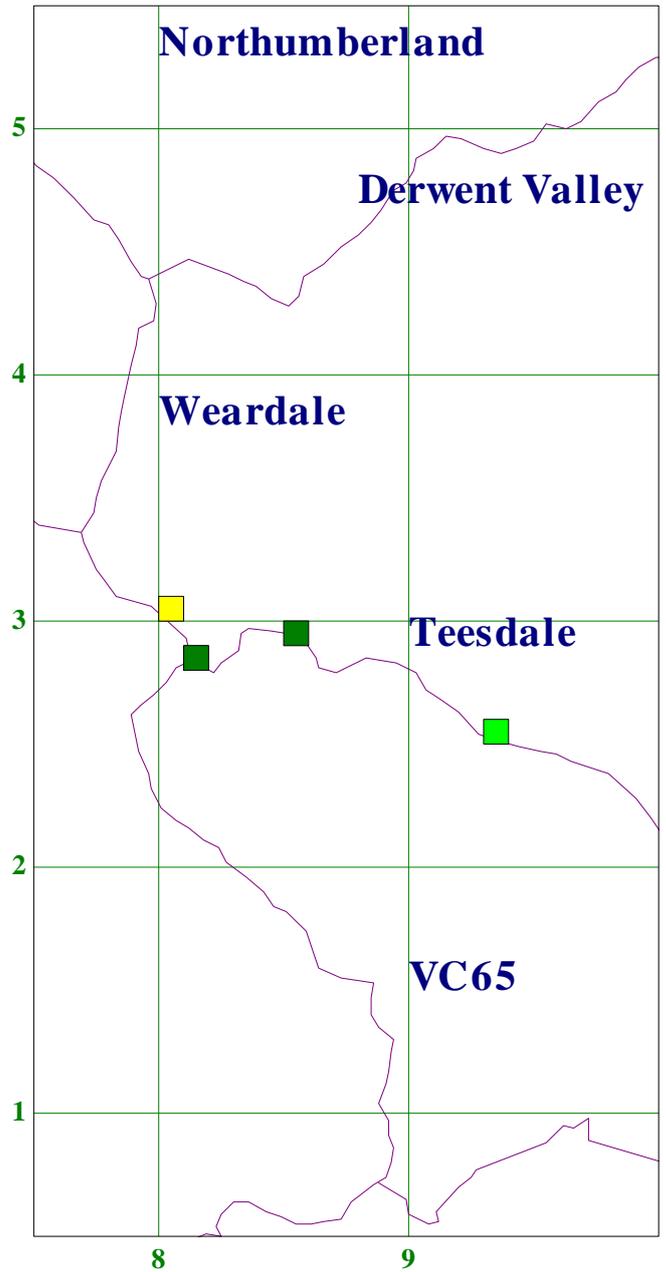
National Status A "Scottish" species
County Status Rare

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
1968	NY83	Cow Green	Proctor, Rev H.G.

Carex aquatilis



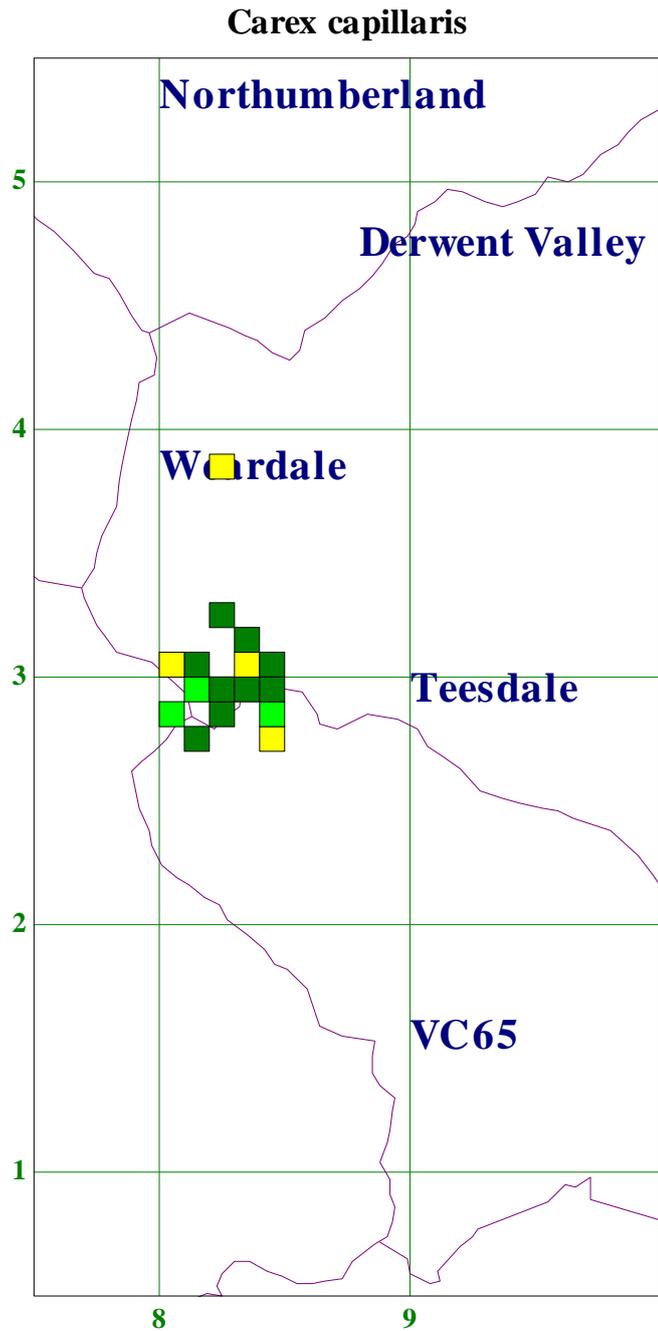
Carex capillaris

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.



31/08/05	NY815303	Cow Green Nature Trail	A & G Young
Jun-90	NY818294	Cow Green	David, RW
1974	NY81372794	Cetry Bank	Gibbons, Dr R.B.
	NY818291		
	NY843297		
2009	NY848296	Cetry Bank	Natural England
11/06/06	NY819278	Merrygill Moss	Robson, Craig
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
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
01-Jul-84	NY839299	Widdybank Pasture	GGG
1976	NY8330	Widdybank Pasture	GGG
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
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Carex ericetorum Rare Spring Sedge

National Status Vulnerable
 County Status Rare

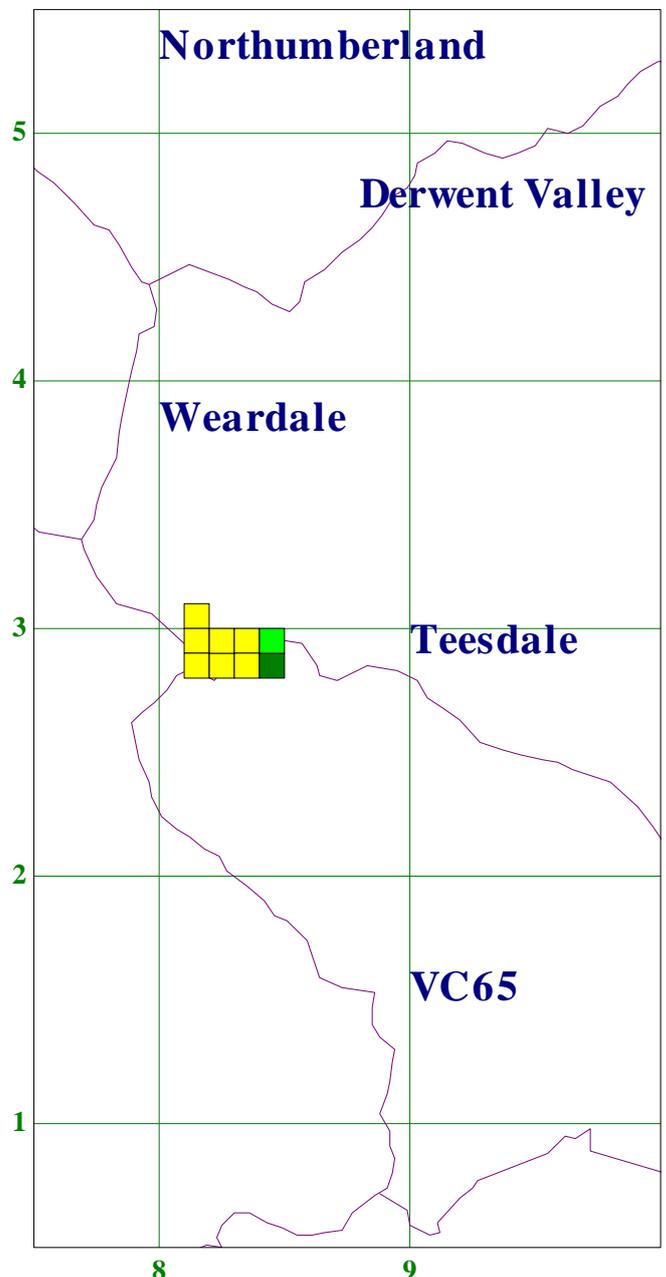
In sugar limestone at Widdybank and Cronkley. This is the northernmost British site for this species.

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.

25/05/73	NY813306	Widdybank Fell	Dr RB Gibbons
05-Jul-74	NY818282	Widdybank Fell	Dr RB Gibbons
1979	NY8229	Widdybank Fell	Bradshaw, Dr M.E.
1977	NY8329	Widdybank Farm	Bradshaw, Dr M.E.
08/06/74	NY818293	Red Sike	Dr RB Gibbons
08/06/74	NY820281	Falcon Clints	Dr RB Gibbons
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.
1976	NY810304	Widdybank Fell	M Bradshaw & Alison Jones
	NY817291		
	NY818290		
	NY819289		
	NY820288		

Carex ericetorum



Carex magellanica Tall Bog Sedge

National Status Scarce
 County Status Rare

There is a single record from Cronkley.

08-May-06	NY813279	Cronkley Fell	Robson, Craig
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Carex vaginata Sheathed Sedge

National Status Scarce
 County Status Rare

There is a single record from Mickle Fell.
 Probably present elsewhere at high altitudes.

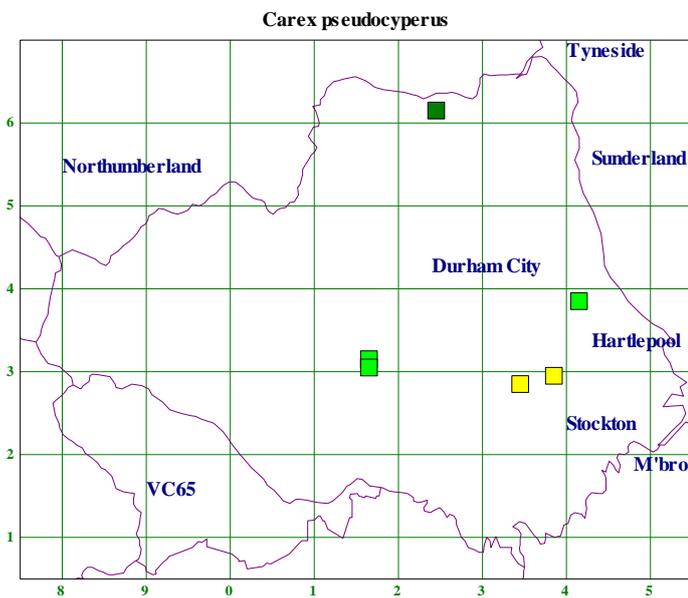
Conservation

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
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Carex pseudocyperus Cyperus Sedge

National Status None
 County Status Scarce, declining.

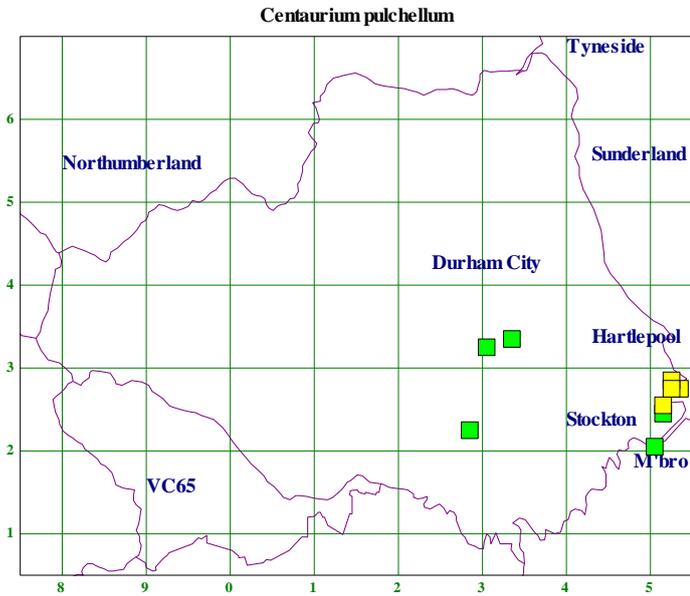


14-Jul-01	NZ240613	Norwood Pond (Ptd)	J L Durkin
Jul-95	NZ419380	Castle Eden	Sutcliffe, M.
1977	NZ3428	Hardwick Hall Country Park	Wheeler Dr B.D.
1977	NZ382293	Redcar Carr	Wheeler Dr B.D.
02/11/95	NZ1631	Witton-le-Wear SSSI	Graham, Mrs P.S.

***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.

***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.

***Chamaemelum nobile* Chamomile**

National Status Vulnerable
 County Status Extinct, probably hortal

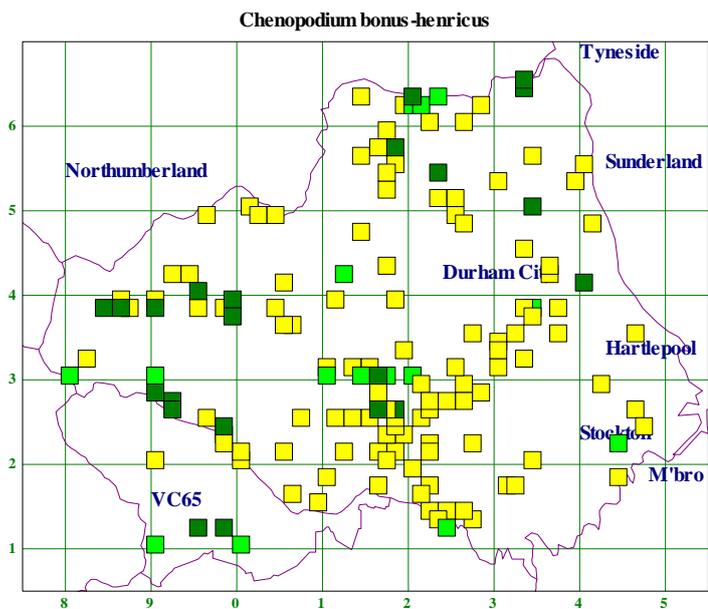
There are no recent records.

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.

Chenopodium bonus-henricus
Good King Henry

National Status Vulnerable
 County Status Declining

Formerly quite common, the degree of decline can be seen from the map. All records are mapped, but only records after 1980 are listed.



01-Jun-94	NZ2062	River Derwent	Bowey, K.
26/08/94	NZ2363	River Team	Bowey, K.
03-Jul-83	NZ196628	Shibdon Pond	Moses, P.
19/11/06	NY93E	Slit Wood	J L Durkin
11-Jul-81	NZ307334	Thrislington Hall ruin	Burnip, M.
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

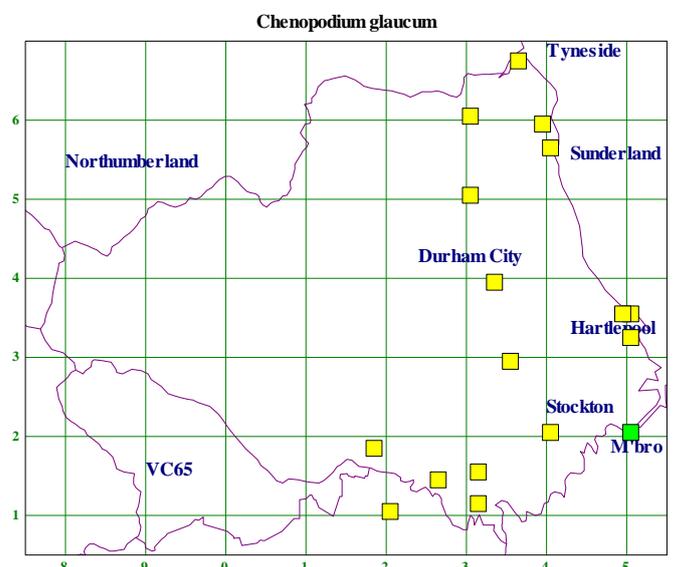
Chenopodium glaucum
Oak-leaved Goosefoot

National Status Vulnerable
 County Status Declining

There are no recent records.

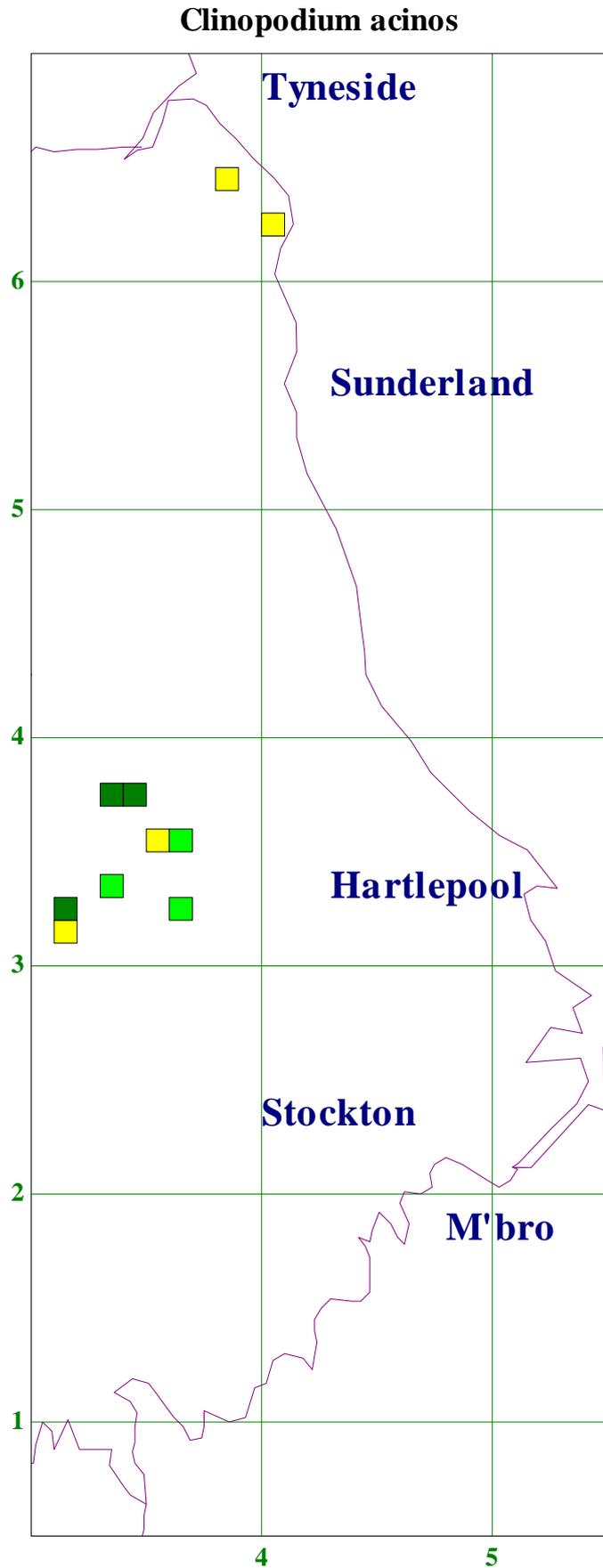
24-Jul-05	NZ3450	A690 Houghton Cut West verge	John Liam Durkin
31-Jul-04	NY91W	Bowes	DTNFC
13-Jun-09	NY906282	Bowlees	DTNFC
21-Jun-05	NY905281	Bowlees roadside	Wild Flower Society
17/08/04	NZ1857	Byermoor Industrial Estate	Mclay, A
06-Jul-91	NZ3438	Cassop Vale	NNU
07-Jul-94	NZ2162	Derwenthaugh salt marsh	Bowey, K.
Sep-07	NY957125	God's Bridge	J L Durkin
30-Jul-80	NZ336458	High Moorsley	GGG
1985	NZ176594	Lockhaugh Bank Wood	Durkin, J.
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

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.



***Clinopodium acinos* Basil Thyme**

National Status None
 County Status Scarce, declining.



Jul-91	NZ362327	Fishburn	Standen, Dr V.
Jul-91	NZ339333	Garmondsway Quarry	Standen, Dr V.
18/09/10	NZ3337	Quarrington Hill Grasslands SSSI	Sarker, Falgunee
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

***Cochlearia anglica*
 English Scurvy-Grass**

National Status None
 County Status Rare

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

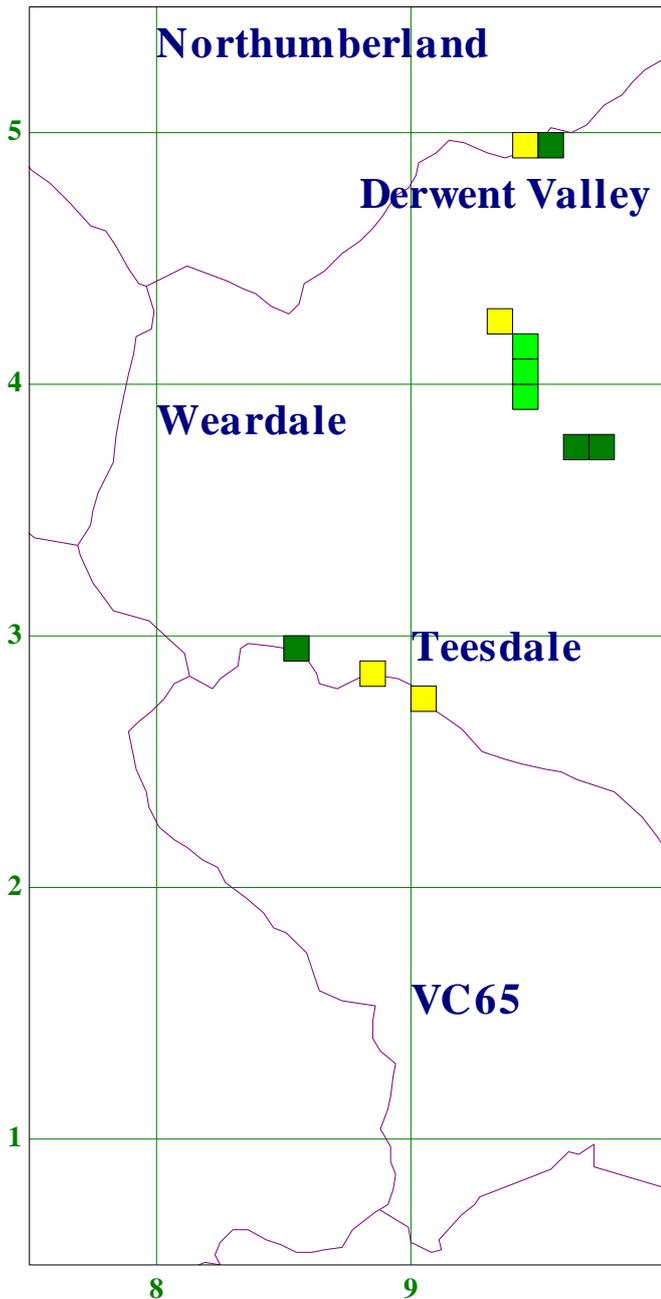
***Crepis mollis* Northern Hawksbeard**

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.

Crepis mollis



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	NY968376	Meadow south of Horsley Burn (Weardale)	J O'Reilly & Julia Quinonez
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			

***Cuscuta epithymum* Dodder**

National Status Vulnerable
 County Status Extinct

A casual not seen for some years.

There are no recent records.

***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.



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Cystopteris alpina

National Status Critically Endangered
County Status Extinct

There are no recent records, despite careful searches.

Dactylorhiza traunsteinerioides
Narrow-leaved Marsh Orchid

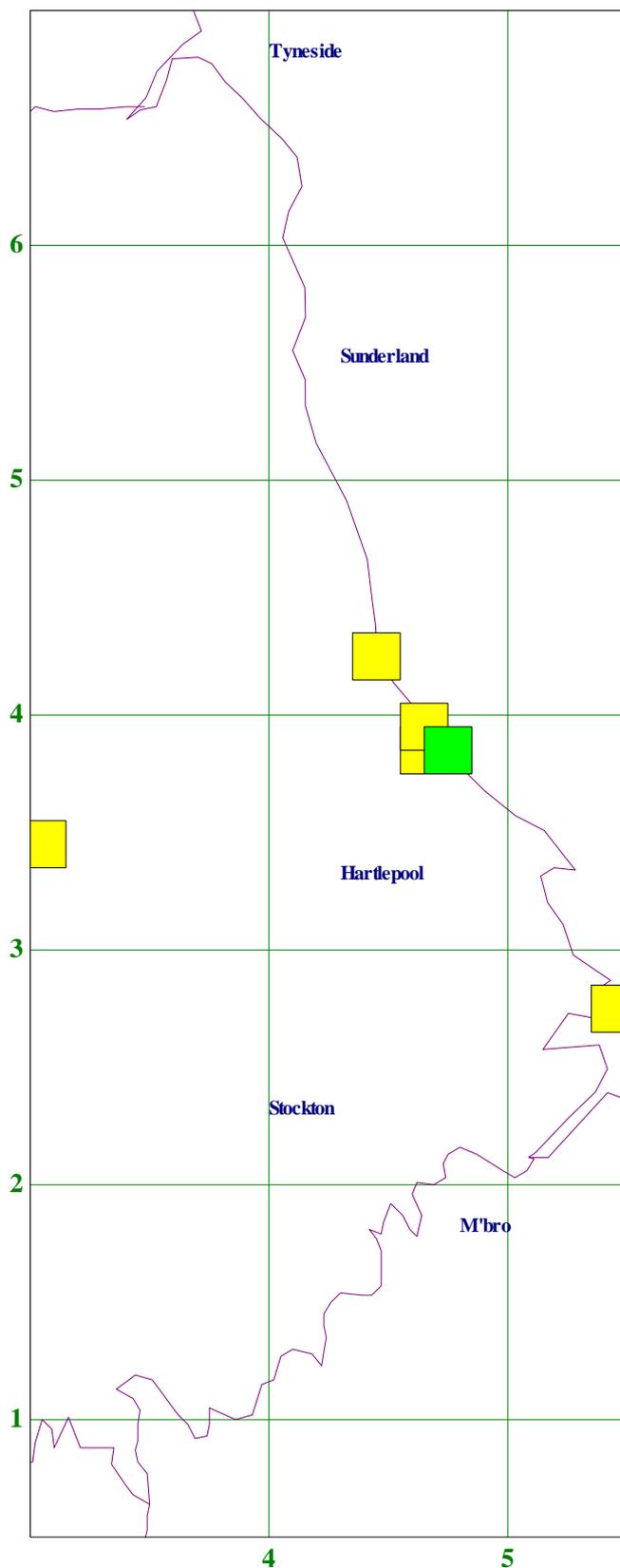
National Status Scarce
 County Status Rare

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

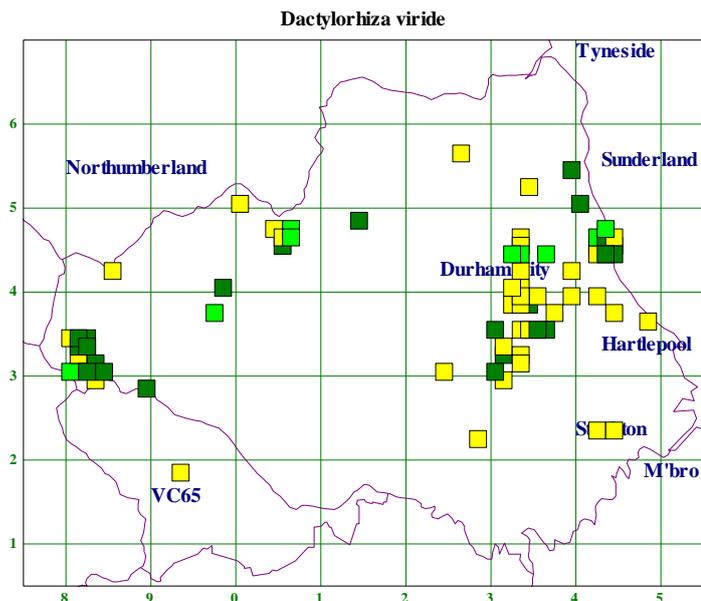
Dactylorhiza traunsteinerioides



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.



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
1989	NY9318	Hannah's Meadows SSSI	English Nature
02-Jul-07	NY8133	Herdship	J O'Reilly
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen

16-Jul-82	NZ064473	Low Horsleyhope	Graham, Rev G G.
1981	NZ065474	Low Horsleyhope	Lowe, M R
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
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
1981	NZ059460	Nanny Mayer's Incline	Lowe, M.R.
	NZ059459		
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

Magnesian Limestone sites

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		
1981	NZ481364	Hart Warren	Lowe, M R
1981	NZ429398	Hart Warren	Lowe, M R
Jul-98	NZ363443	Haswell	Coles, A.
1995	NZ438468	Hawthorn Dene	White, A.
29-Jun-08	NZ4371 4612	Hawthorn Quarry edge, quarry spoil	A & G Young
07-Jun-06	NZ437464	Hawthorn Quarry	Andy Mclay
29-Jun-08	NZ4387 4639	Hawthorn quarry, near entrance	A & G Young
	NZ4384 4650		
08-Jun-08	NZ4445	Hawthorn Hive	CNFC
13-Jun-98	NZ315326	Thrislington NNR	DWT Hedges Survey
1981	NZ4437	Hesleden Dene	Lowe, M R
1983	NZ339461	High Moorsley	Lowe, M R
1981	NZ246308	Kirk Merrington	Lowe, M R
1987	NZ3345	Moorsley Banks SSSI	English Nature
20-Jun-92	NZ3244	Pittington	Boyce, R.
1992	NZ3344	Pittington Hill	Boyce, R.
08-Jul-09	NZ3535	Raisby Quarry	Richards, A.J.
1984	NZ3375 3540	Raisby Hill Grassland SSSI	English Nature
14/06/06	NZ310326	Thrislington	G Young
10-Jun-07	NZ3124 3254	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
1983	NZ397399	Edderacres	Lowe, M R
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.

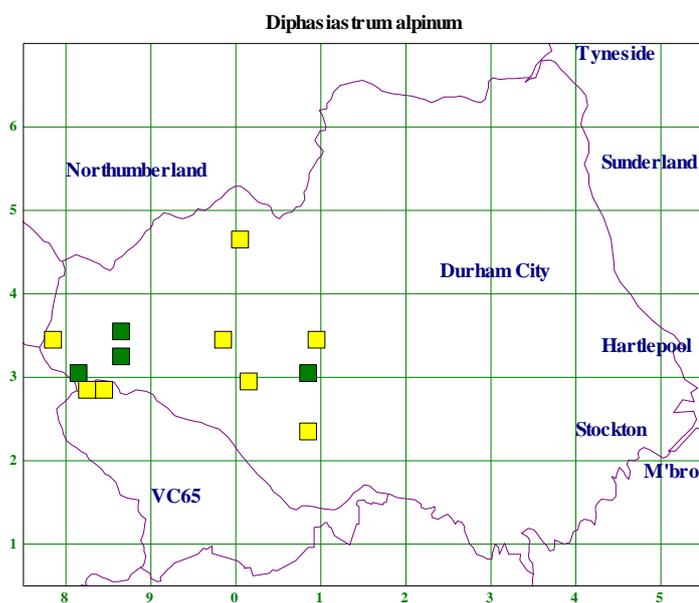
The old records are listed here, in the hope that it may be re-found.

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.

07-Jan-89	NZ0129	Hamsterley Forest	Barrett, Trina
23-Jul-06	NZ03V	Hamsterley Forest	DTNFC
2002	NY83R	Harthope Head	Hedley, S.
June 2011	NY86286 35278	Harthope Head Quarry	Mel Lloyd
2011	NY8130	Slapestone Sike	M.E. Bradshaw



Dryas octopetala

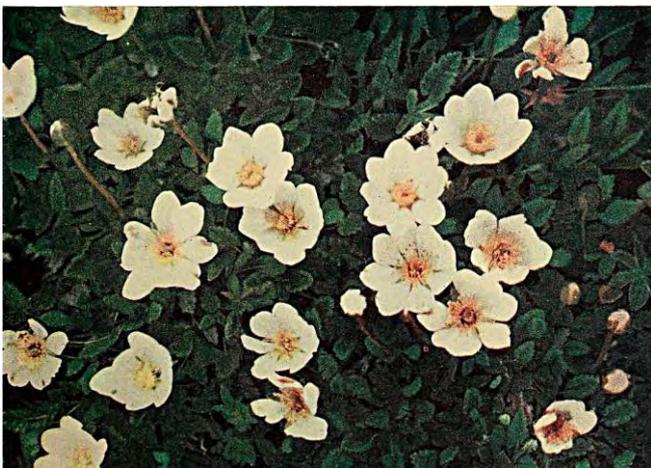
Mountain Avens

National Status Scarce
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.

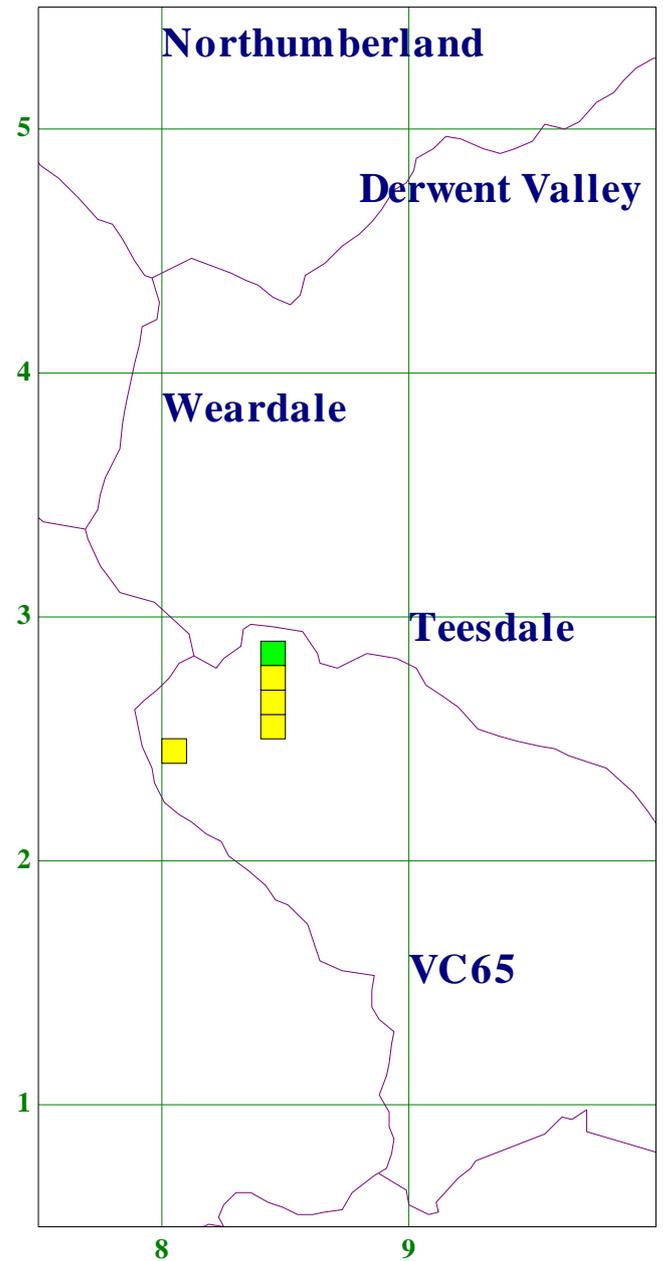
Conservation- The sites are in the Upper Teesdale Nature Reserve.

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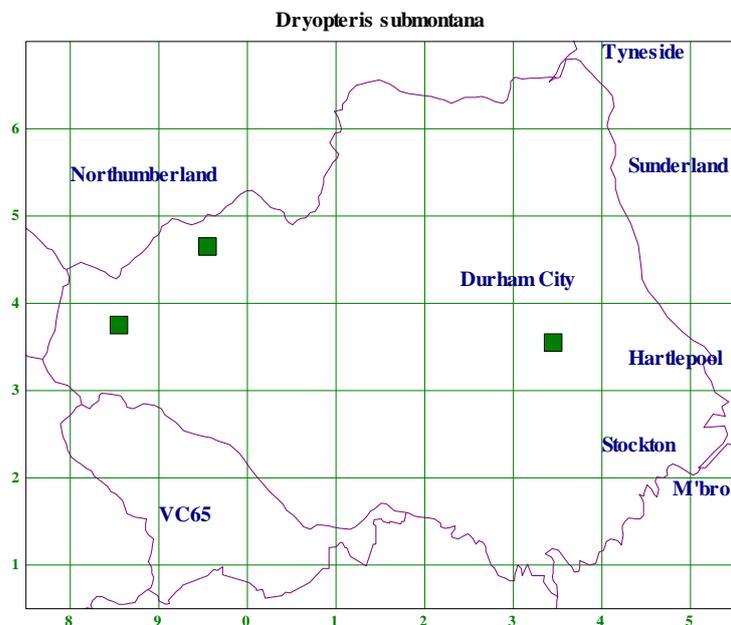
Dryas octopetala



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 hortals in the "New Flora", but appear to natural colonists.



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 anagallidifolium
Alpine Willow Herb

National Status A “Scottish” species
 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.

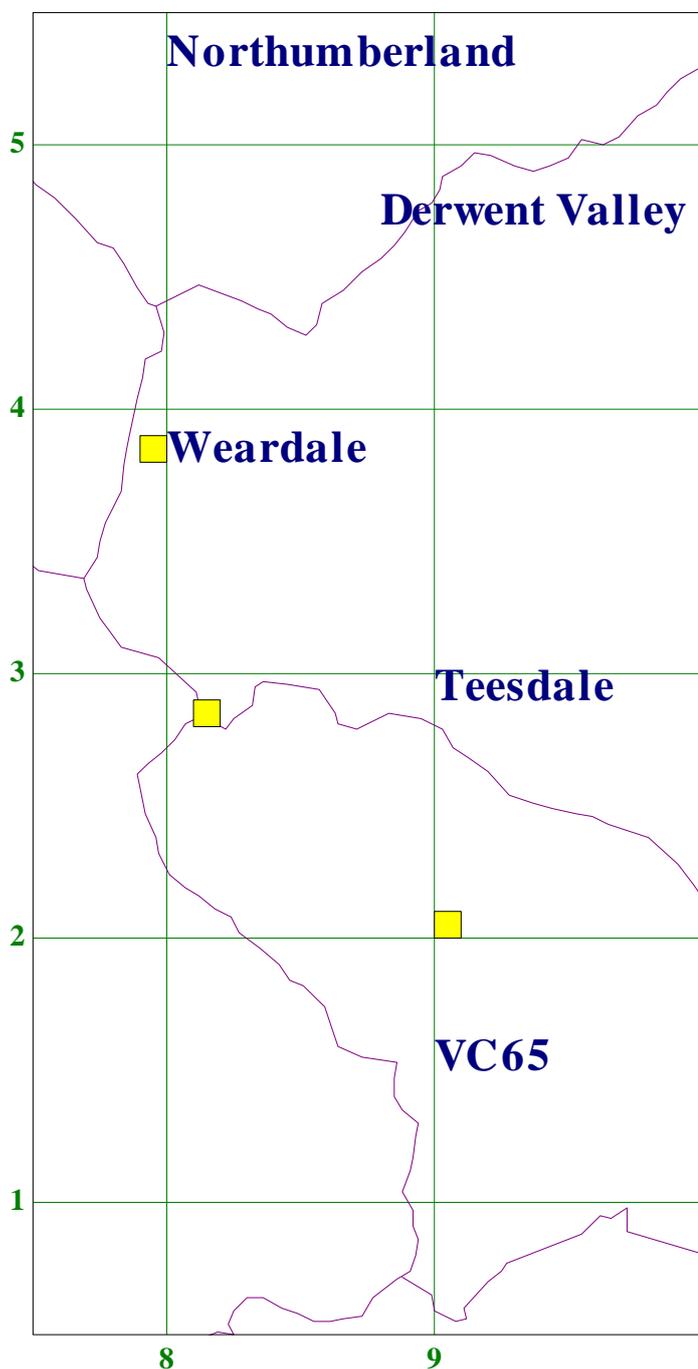
19/08/80	NY7938	Burnhope Seat	GGG
1939	NY8128	Cauldron Snout	JWHH & Temperley, G W

Epilobium alsinifolium
Chickweed Willowherb

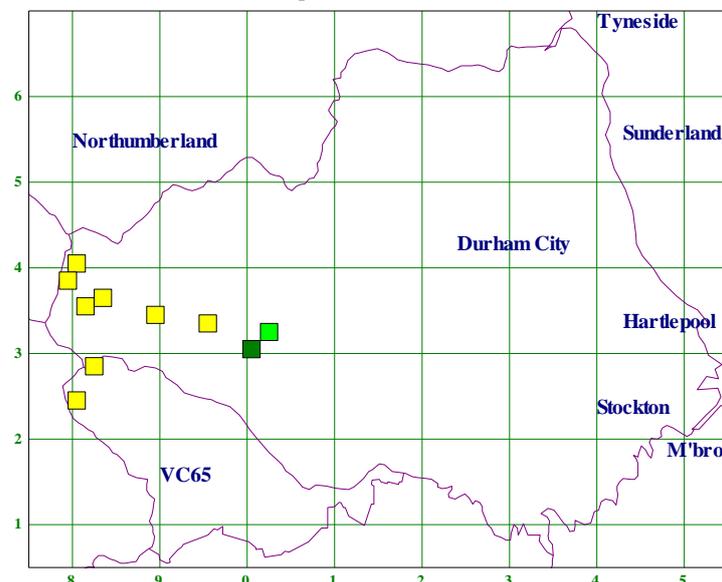
National Status None
 County Status Scarce, declining.

01-Jun-78	NY956337	East Todd Sike	Burnip, M.
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	Burnip, M.

Epilobium anagallidifolium



Epilobium alsinifolium



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.

There is one upland site, at Cronkley Fell.

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 the best sites.



Photographed in County Durham
 by UKWildflowers.com

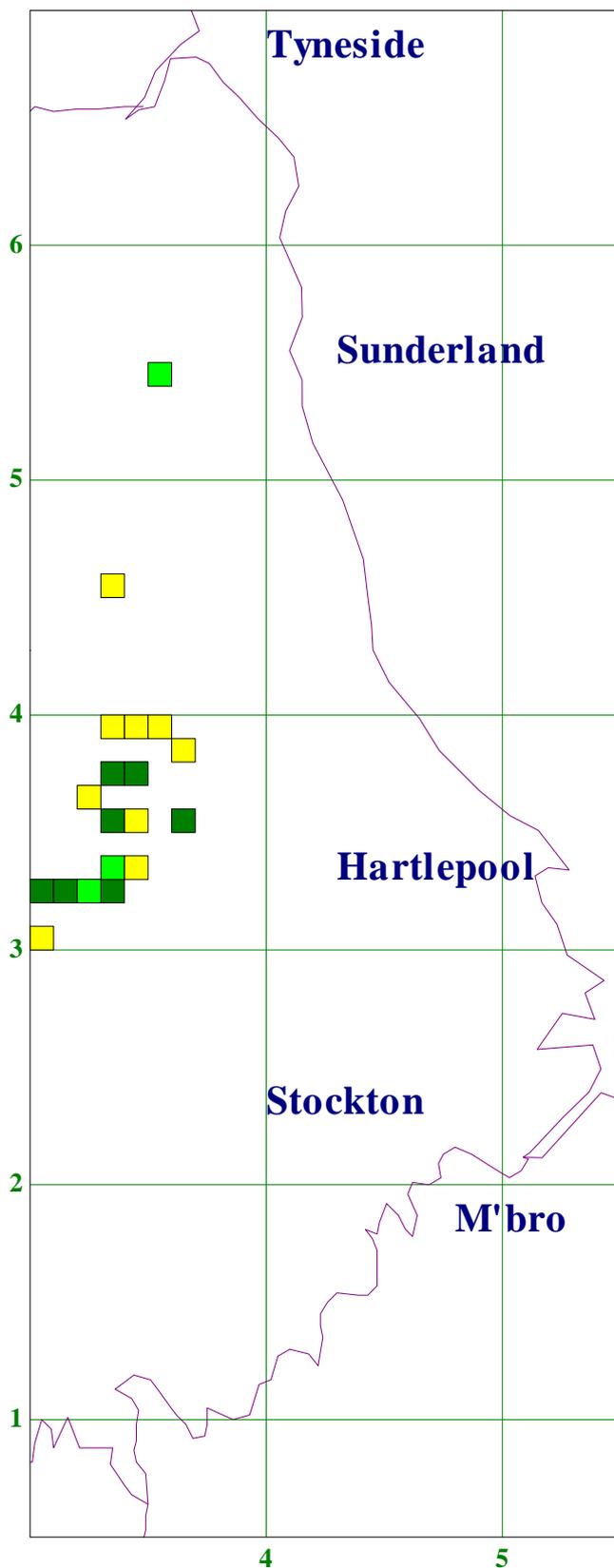
Magnesian Limestone sites

14/06/06	NZ318327 NZ318328	Thrislington NNR	A & G Young
1999	NZ319326	Thrislington NNR	Boyce, R.
11/08/09	NZ319329	Thrislington NNR	J Durkin
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
01-Aug-80	NZ331328	Bishop Middleham Quarry	GGG
11/08/09	NZ330325	Bishop Middleham Quarry	John Liam Durkin
09/07/11	NZ330328 NZ330326 NZ330327 NZ331325 NZ331326 NZ331327	Bishop Middleham Quarry	John Liam Durkin
13-Jun-98	NZ332337	Fox and Hounds	DWT Hedges Survey
1985	NZ3345	High Moorsley Quarry	R Strachan & J Durkin
05/07/80	NZ335353	Raisby Quarry	GGG
10/07/07	NZ335355 NZ337355	Raisby Grassland	CM Port and R Jackson
30/06/92	NZ353544	Hastings Hill	Hall, D.
08-Jul-09	NZ36426 35373	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

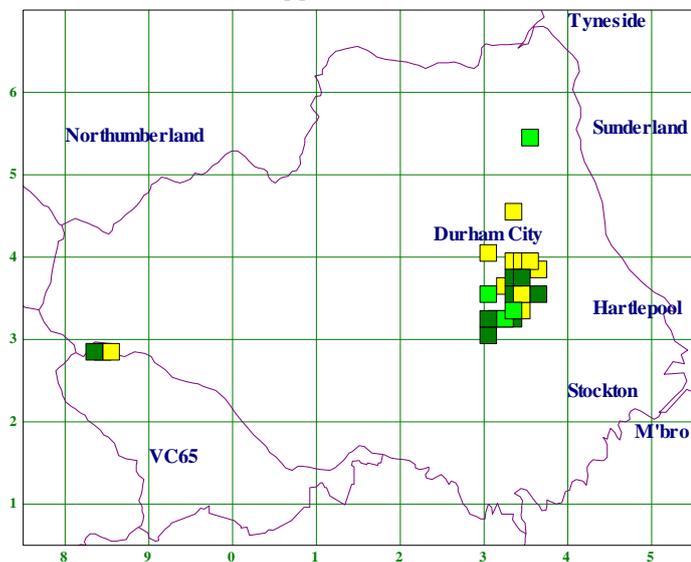


Dark Red Helleborine at Bishop Middleham Quarry

Epipactis atrorubens



Epipactis atrorubens



Upper Teesdale Sites

2007	NY8428	Cronkley Fell	Bradshaw Dr ME
31/07/76	NY851283	Cronkley Fell	Lang, D.C.
July1967	NY839282	Cronkley Fell, White Well	Ratcliffe, D.A.

Epipactis dunensis
Dune Helleborine

National Status Rare
 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.)
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Epipactis palustris
Marsh Helleborine

National Status None
 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
 County Status Rare

Wooded river banks influenced with lead mining spoil deposits.

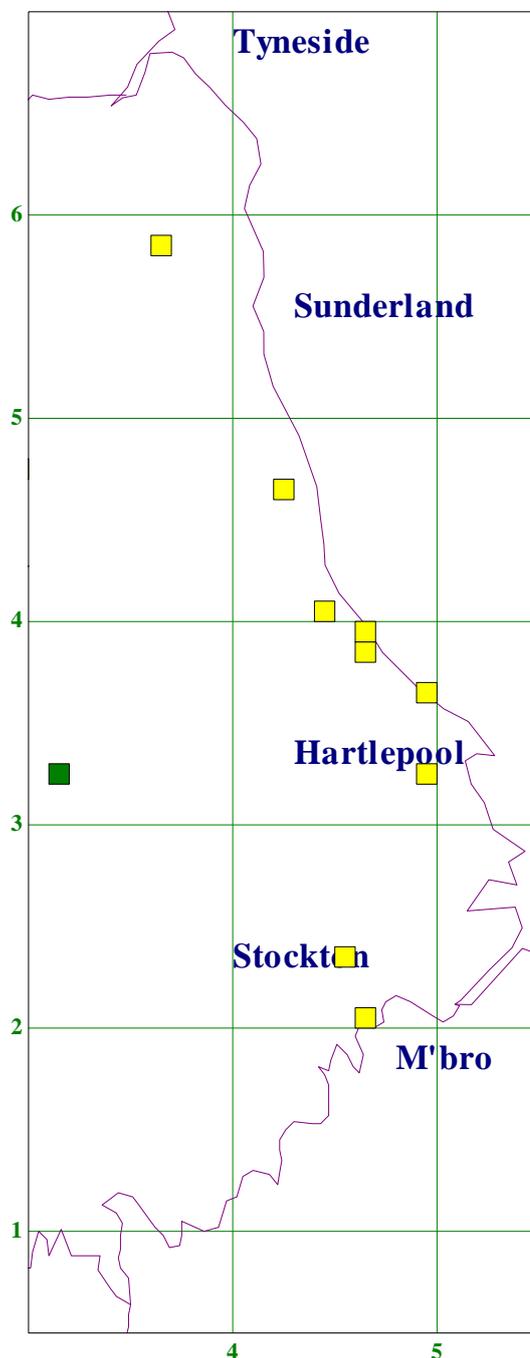
The Durham site is the downstream continuation of a much larger Northumberland distribution. Numbers have declined as the site has become more densely wooded. Not seen recently.

Between Wylam and Clara Vale.

Conservation- The plants are in a Local Wildlife Site.

22-May-01	NZ125647	Tyne riverbanks, Wylam	John Liam Durkin
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Epipactis palustris



***Equisetum pratense* Shady Horsetail**

National Status Scarce
 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*.

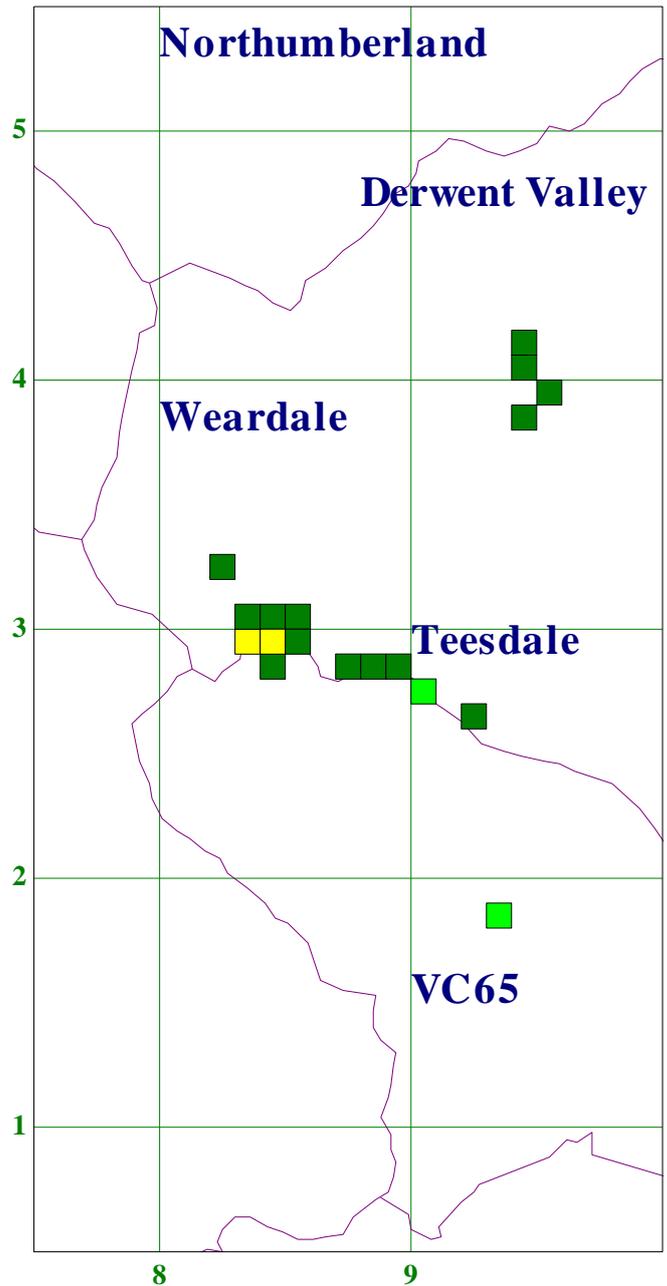
County Durham has a significant proportion of the national distribution of this species, and all or almost all of the English population.

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.
02/06/80	NZ161173	Gainford	GGG

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

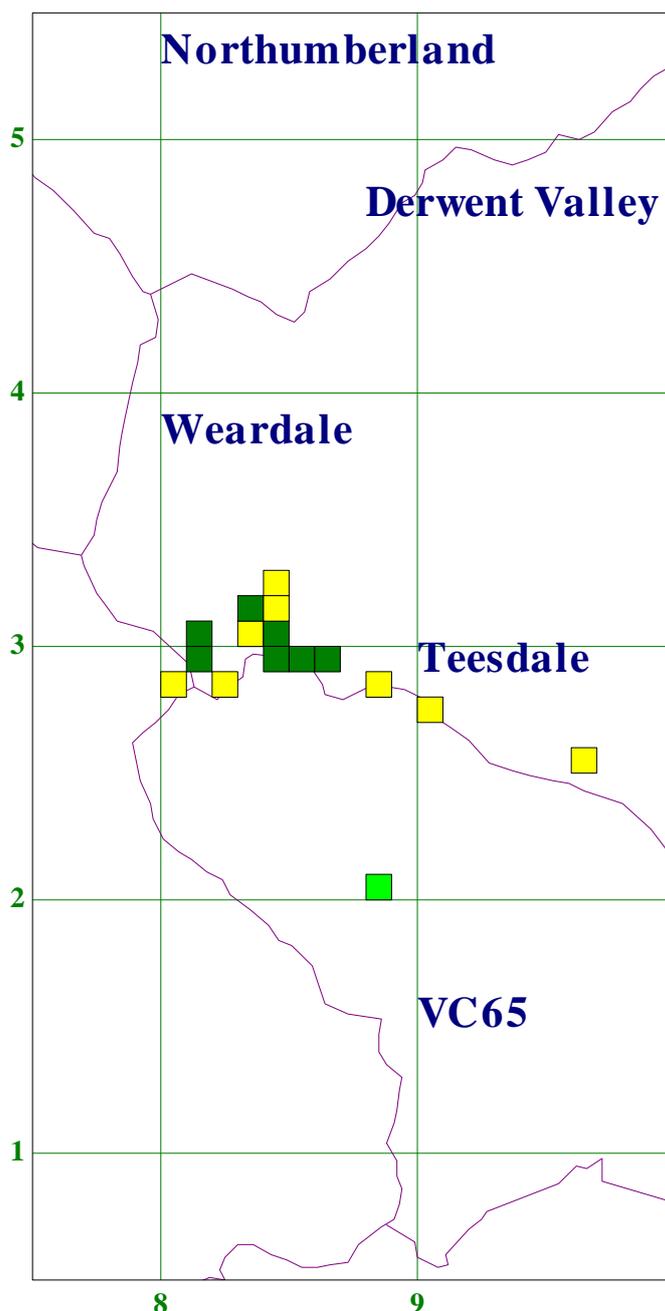
National Status Scarce
 County Status Scarce

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
1991	NY818294	Red Sike	Rich, Dr T.
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
15/09/81	NY842301	Widdybank Pasture	Graham, Rev G G.
2009	NY844309	Widdybank Pasture	Natural England
1989	NY903279	Winch Bridge	Stark, Mr G.

Equisetum variegatum

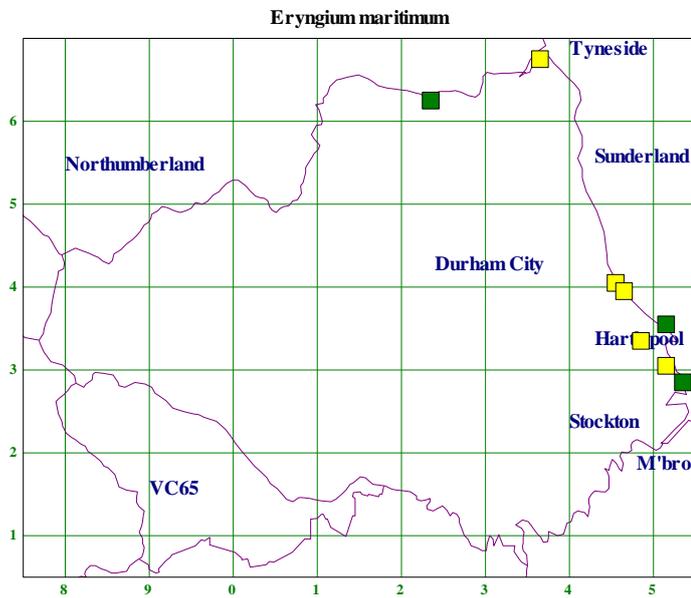


Eryngium maritimum
Sea Holly

National Status None
 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.

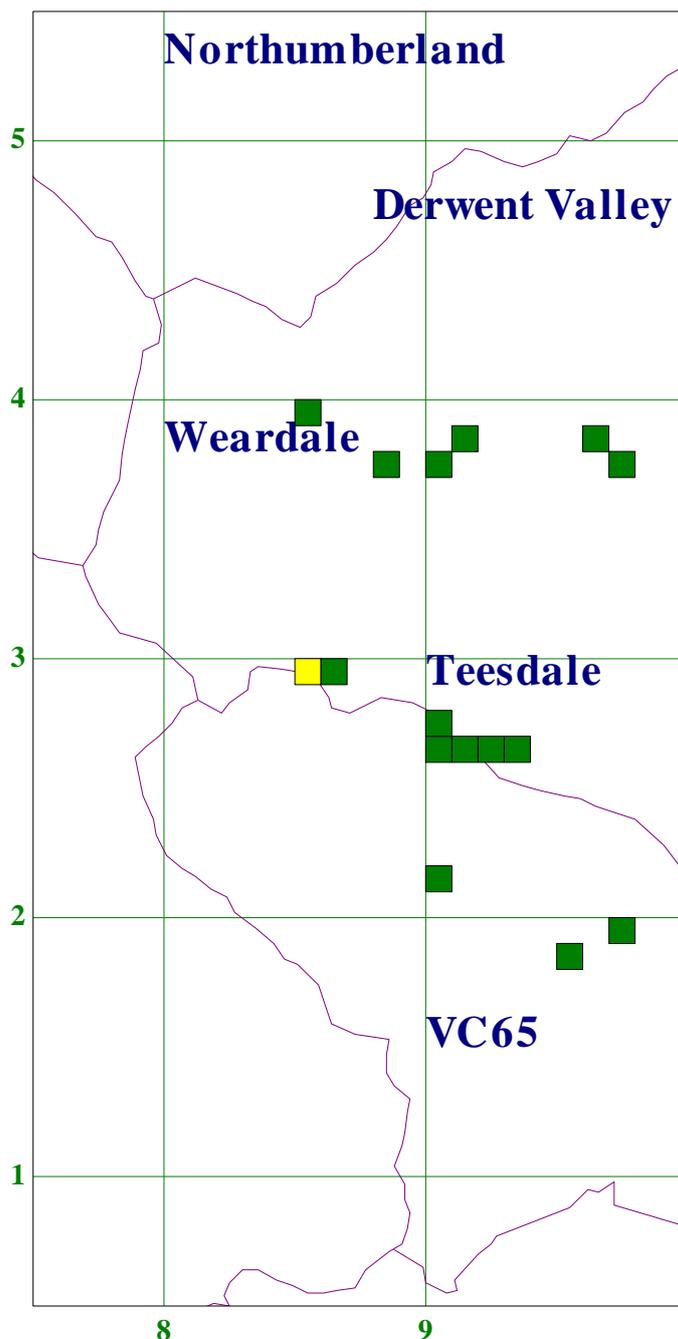


Euphrasia arctica arctica**Arctic Eyebright**

National Status Data deficient

County Status Scarce

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 NY974375	West Newlandside	J O'Reilly J Quinonez

Euphrasia arctica subsp. arctica

Euphrasia officinalis monticola
An Eyebright

National Status Vulnerable
 County Status Rare

Grassy tracksides.

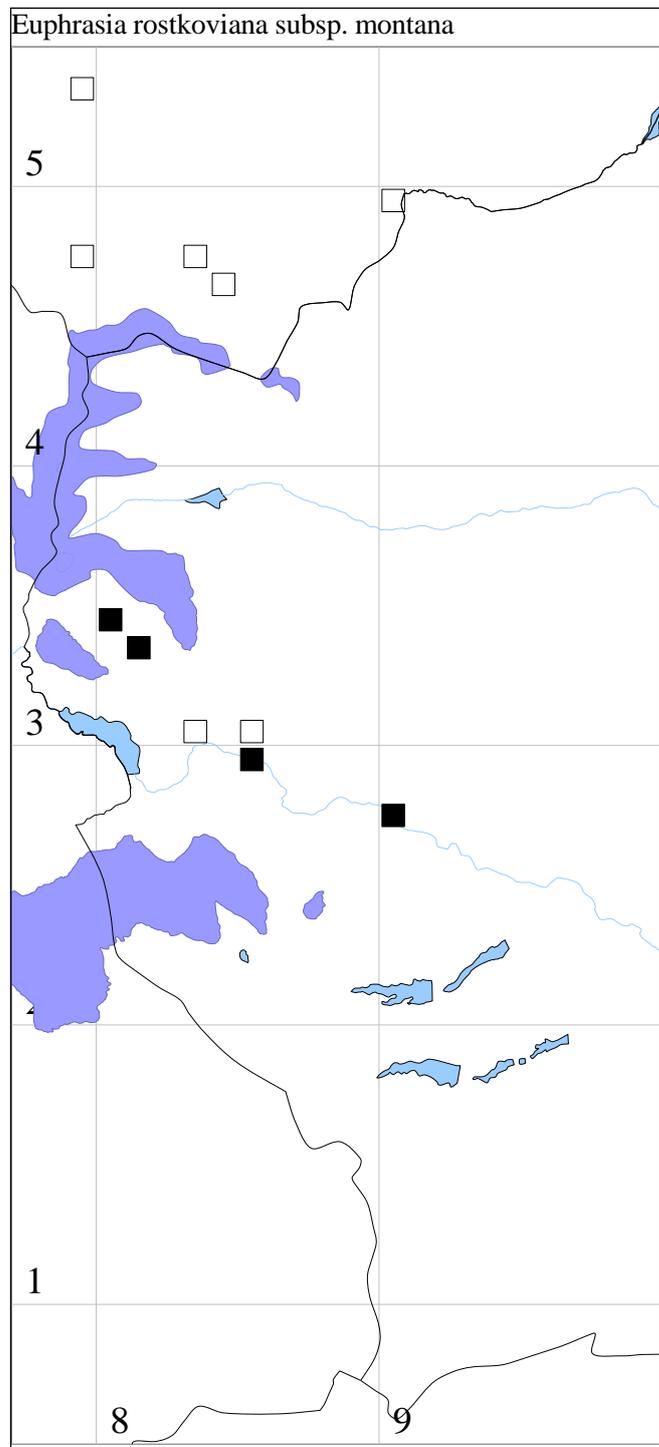
Conservation- All of the sites are in the Upper Teesdale Nature Reserve and SSSI or in adjacent SSSIs.

02-Jul-07	NY813338	Herdship	J O'Reilly
2009	NY823326	Forest-in-Teesdale	Natural England
	NY824325		
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	NY8144133348	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 ostenfeldii
An Eyebright

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

Jul 1927	NY8128	Falcon Clints	J. Fraco
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Euphrasia tetraquetra
Western Eyebright

National Status None
 County Status Rare

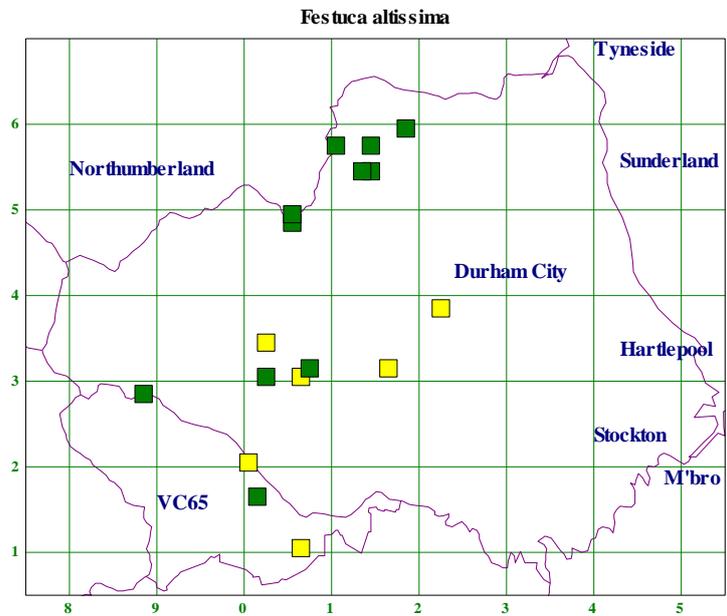
1981	NZ44K	Castle Eden Dene Mouth	Richards, A.J & Haigh, M.
03/09/81	NZ473388	Blackhall Rocks	Appleyard, Miss P.R.
03/09/81	NZ4639	Blackhall Rocks	Appleyard, Miss P.R.

Festuca altissima

Wood Fescue

National Status None
 County Status Scarce

1987	NZ01Q	Brignall Banks SSSI (VC65)	English Nature
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 6.25	V Standen
	NZ077311		
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
1984	NZ02A	Shipley & Great Woods SSSI	English Nature
26/05/13	NZ011161	Deepdale, Raven Scar (VC65)	J L Durkin
26/05/13	NZ01181622	Deepdale (VC65)	J L Durkin

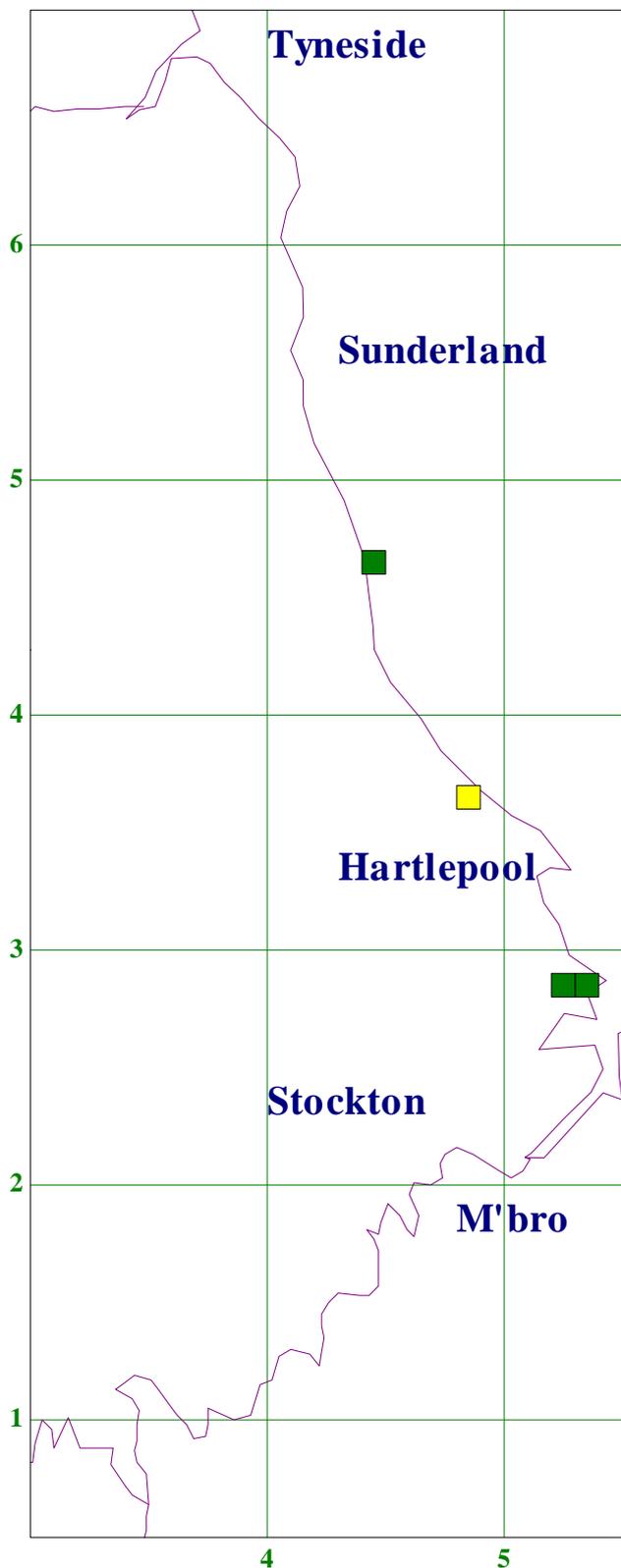


Festuca arenaria
Rush-leaved Fescue

National Status Scarce
 County Status Rare.

07/06/06	NZ4446	Hawthorn Hive	G Young
08-Jul-01	NZ5328	North Gare	Lawrence I.C.
08/06/03	NZ52J	Seaton Sands and Snook	J O'Reilly & C Coleman

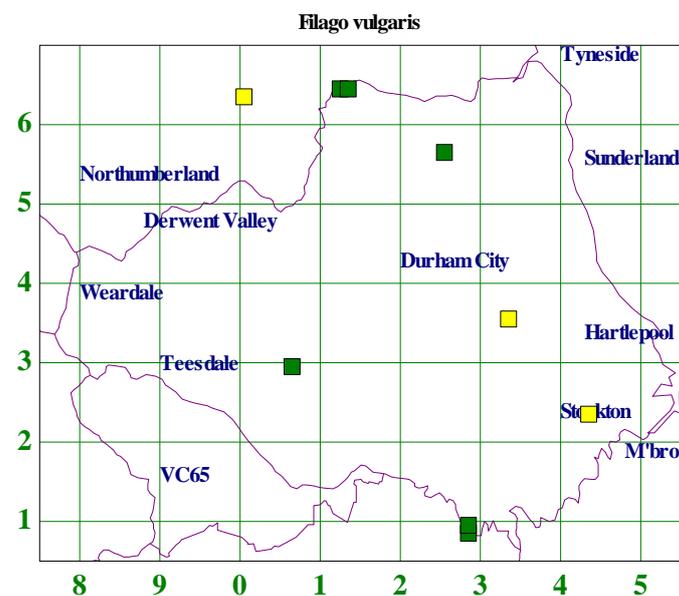
Festuca arenaria



Filago vulgaris **Common Cudweed**

National Status Near Threatened
 County Status Rare

Very rare in dry sandy places.

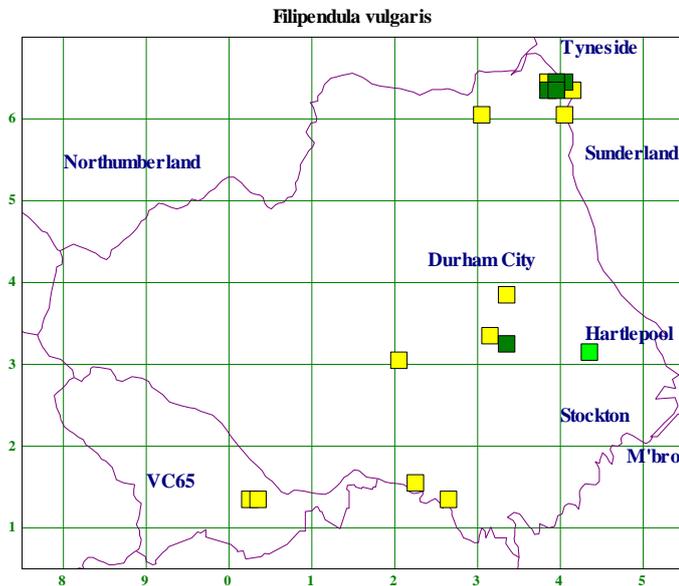


1960	NZ0629	Hamsterley Forest	Wanless, T.W.
01-Jul-07	NZ2556	Tyne Yard	Andy Mclay
11-Jul-72	NZ439231	Norton	GGG

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.

**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
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Fumaria purpurea**Purple Ramping –Fumitory**

National Status Scarce
 County Status Extinct

No recent records.

Galeopsis angustifolia Red Hemp-nettle

National Status Critically Endangered
 County Status Extinct

No recent records.

1986	NZ0213	Kilmond Scar SSSI	English Nature
	NZ0313		
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

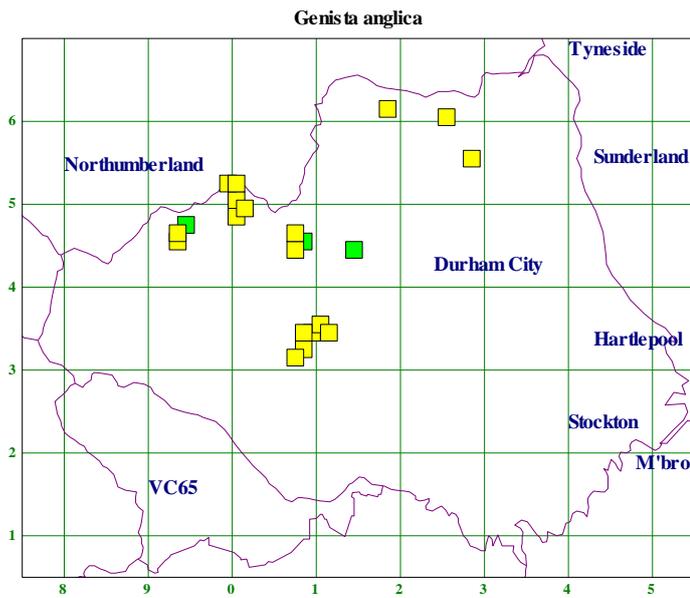
Genista anglica **Petty Whin**

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.

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.



***Gentiana verna* Spring Gentian**

National Status Nationally Rare
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
1985	NY782345	Holdenhurth Band	Wilson, P.J.
	NY782348		
28/05/93	NY805314	Pikestone Hurth	GGG
2009	NY808339	Hill End	Natural England
26/06/93	NY810310	Cow Green	GGG
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
	NY8168 2997		
08/05/12	NY816301	Cow Green	iSpot
21/05/08	NY817296	Widdybank Enclosure	A & G Young
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 Common	GGG
	NY830330		

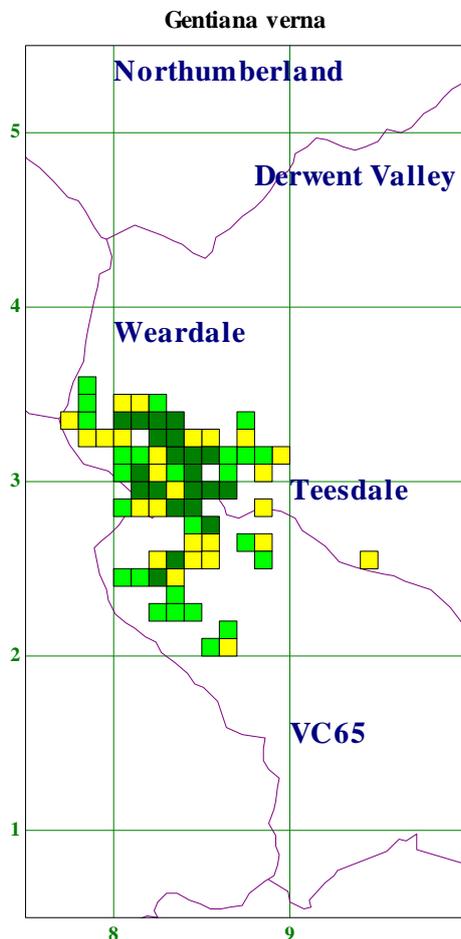
12/06/93	NY829334	Langdon Common	GGG
	NY831333		
	NY831334		
12/06/93	NY829333	Birk Sike	GGG
2009	NY8300 3318	Tarnhole Edge	Natural England
	02-Jul-93	NY8229	Widdybank Fell
03-Jul-09	NY8331	Widdybank Fell	Schober M
2009	NY844309	Widdybank Pasture	Natural England
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon 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	NY8263 3236	Harwood	Natural England
	NY8330 3288		
	NY8293 3330		
	NY8293 3330		
11/06/93	NY844314	Harwood Beck	GGG
11/06/93	NY827325	Harwood Beck	GGG
1985	NY844298	Cetry Bank	Wilson, P.J.
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
1985	NY859297	Haugh Hill	Wilson, P.J.
12/06/93	NY861295	Haugh Hill	GGG
	1993		
	NY865312		
1985	NY864313	High Hurth Edge	Wilson, P.J.
1993	NY866308	Middle Hurth	GGG
1993	NY870312	High Hurth	GGG
1993	NY871313	High Hurth	GGG
Oct-90	NY8733	Fendrith Hill LWS 3.16	Valerie Standen
28/05/94	NY886310	High Beck Head	GGG
1985	NY895313	Valence Lodge	Wilson, P.J.



Photographed in County Durham
by UKWildflowers.com

VC 65 Sites

05/06/94	NY844222	Close House Hurst	Hedley, SM
	NY846222		
04/06/94	NY882259	Comb Stones Gill	Hedley, SM
01/09/07	NY8328	Cronkley Fell	J L Durkin
29/04/07	NY8542	Cronkley Fell	Robson, C
	2712		
1994	NY841279	Cronkley Fell	Findlay, I.
	NY841281		
1985	NY843284	Cronkley Fell	Wilson, P.J.
	NY845285		
18/06/06	NY842283	Cronkley Fell exclosure	CNFC
1994	NY849284	Cronkley Knoll	Findlay, I.
04/06/94	NY876261	Green Fell End	Hedley, SM
04/06/94	NY876262	Green Fell Hurth	Hedley, SM
05/06/94	NY856204	Green Thumb	Hedley, SM
05/06/94	NY862217	Hurth Edge	Hedley, SM
17/05/06	NY8325	Long Crag	Robson, C
1998	NY8322	Lune Forest SSSI	English Nature
	NY8322		
Jul-05	NY824246	Mickle Fell top	R Corner, J Roberts, Linda Robinson
1990	NY8124	Mickle Fell top	English Nature
	NY8024		
1994	NY845284	Thistle Green	Findlay, I.
12/06/94	NY827229	White Band	Hedley, SM
12/06/94	NY830230	White Band	Hedley, SM
12/06/94	NY831230	White Band	Hedley, SM
1994	NY838282	White Well Green	Findlay, I.



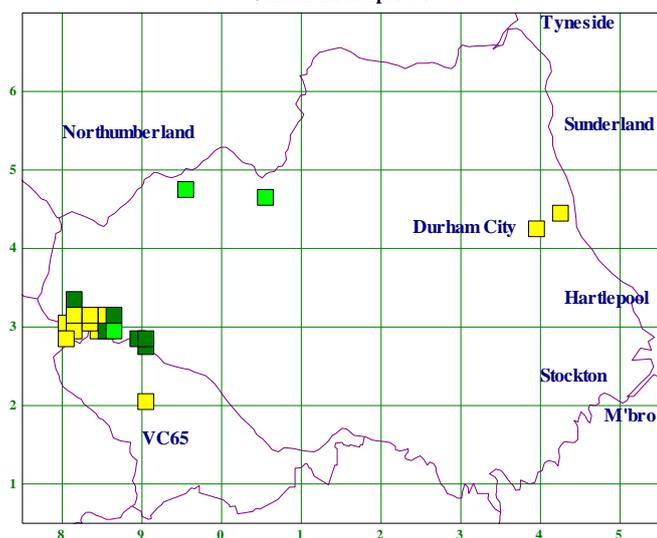
Gentianella campestris

Field Gentian

National Status Vulnerable
County Status Scarce

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

Gentianella campestris



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
28 Jun 08	NY858297	Haugh Hill	John O'Reilly
28 Jun 08	NY859297	Haugh Hill	John O'Reilly
28 Jun 08	NY858296	Haugh Hill	John O'Reilly
16 Jul 97	NZ0546	Honey Hill	McCutcheon, D.E.
1988	NY951474	Jeffrey's Rake	Simpson, Mr G.
19 Jun 03	NY8631	Langdon Beck	Schober, Marie
28 Aug 79	NY954479	Ramshaw	Burnip, Mrs M.
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

1980	NY82E	Widdybank Fell	Tennant, D.J.
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Gnaphalium sylvaticum

Heath Cudweed

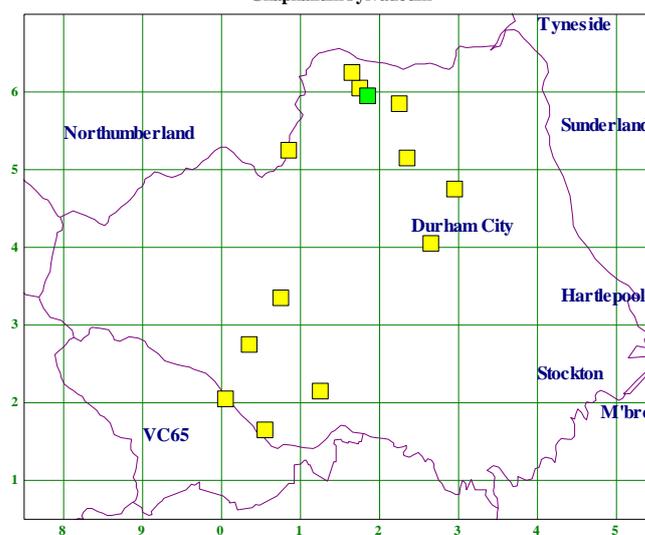
National Status Endangered
County Status Rare

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

Gymnocarpium robertianum
Limestone Oak Fern

National Status Scarce
 County Status 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.

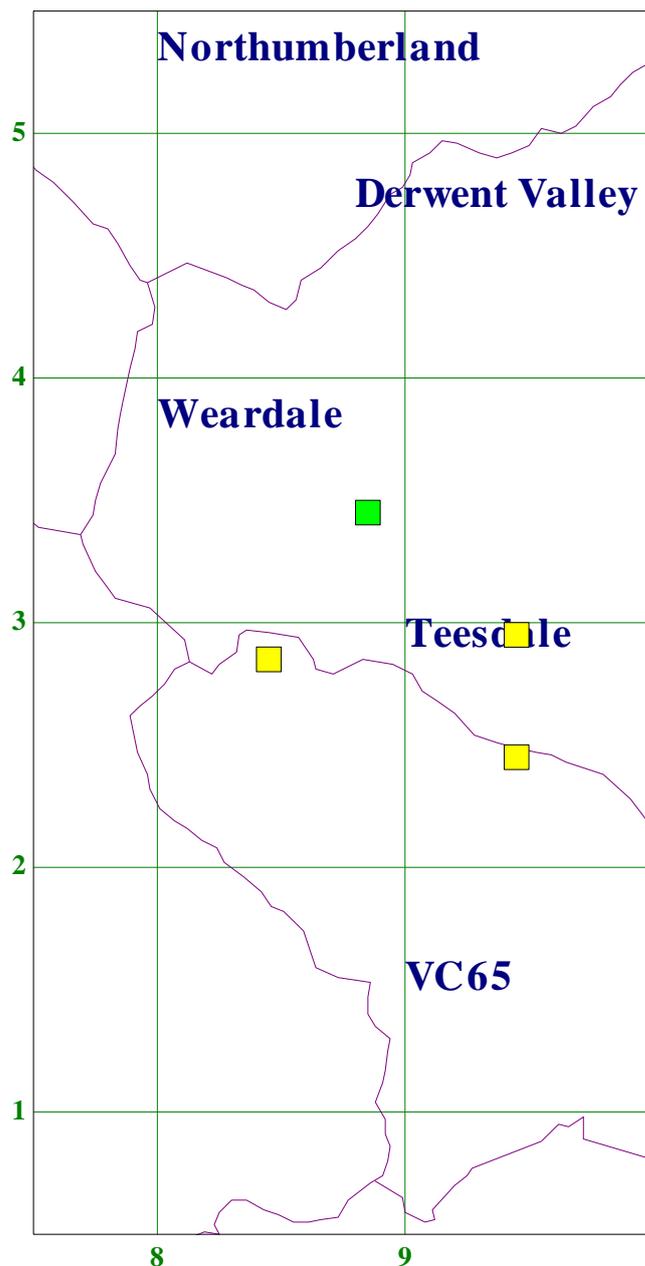
There is a 1969 record from Middleton Quarry, which needs investigating.

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	Unknown
1863	NY82P	Cronkley Fell	Brown, W H

Gymnocarpium robertianum



Helianthemum oelandicum levigatum
Teesdale Rockrose

National Status Vulnerable
 County Status Rare

Limestone outcrops on Cronkley Fell. At 535 metres, now mostly in “exclosures”. This is all of the distribution of this subspecies.

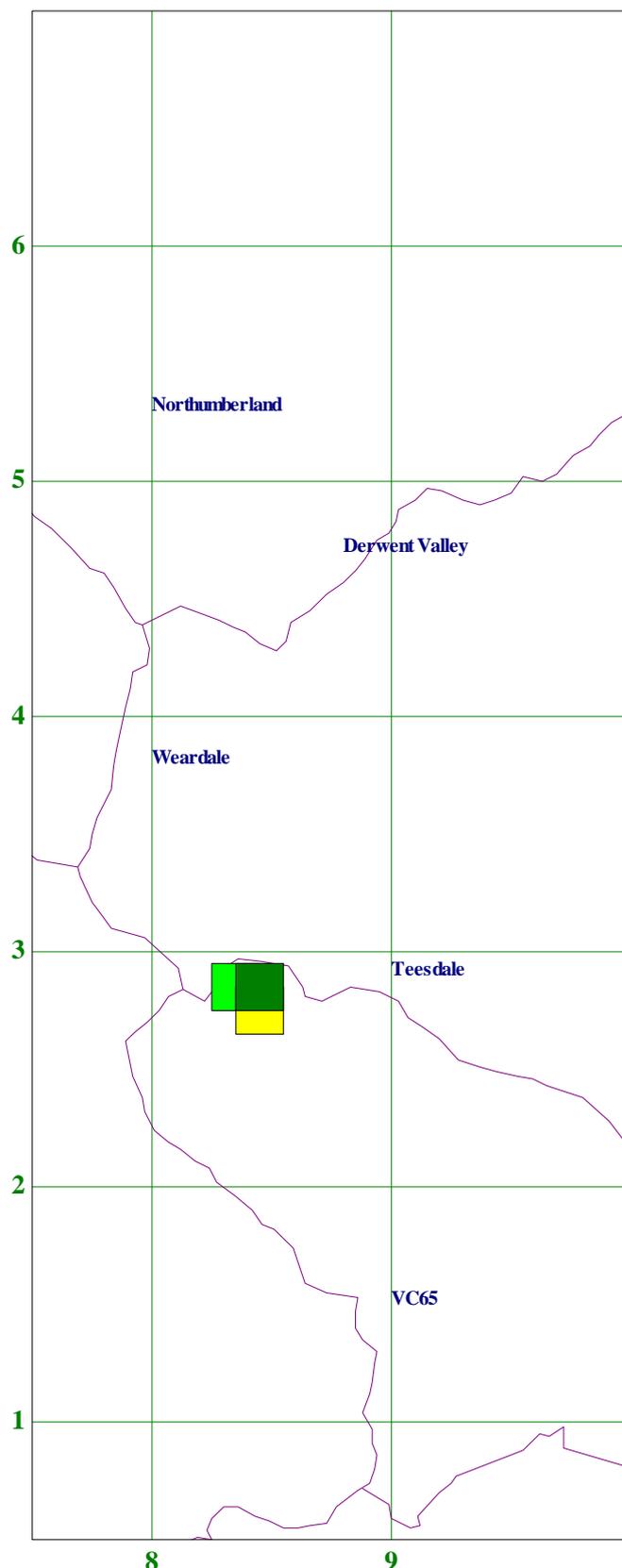
Conservation- The sites are all in the VC65 part of the Upper Teesdale National Nature Reserve.

22/06/05	NY842283	Cronkley Fell exclosure	Wild Flower Society
22/06/99	NY848283	Cronkley Fell exclosure	Jones, Vincent
1993	NY838282	White Well Green	Findlay, I.
1979	NY845284	Cronkley Fell	Blakemore J
1992	NY849284	Cronkley Knoll	Findlay, I.



Photographed in Teesdale by UKWildflowers.com

Helianthemum oelandicum subsp. levigatum



***Helleborus foetidus* Stinking Hellebore**

National Status Scarce
 County Status Probably hortal

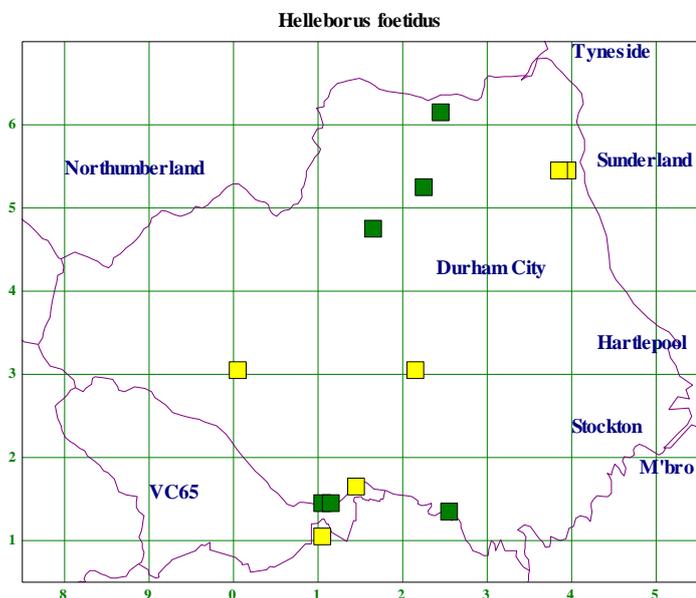
“Scarce Plants in Britain” and the “New Atlas” say that this species is not native north-east of the Wirral-Thames line. It is, though, long established at several sites on the banks of the Tees at Whorlton. The other sites are definitely “hortal” records, either planted or garden escapes.

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
01/07/11	NZ2252	West Pelton	J L Durkin
1986	NZ105147	Whorlton Banks CWS 6.12	Graham, Mrs P.S.
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
06 Jul 1973	NZ3235	Quarrington Hill	Thompson, Mrs K.
08/06/08	NZ43Y	Crimdon Dene	John O'Reilly
17/08/11	NZ465396	Blackhall Rocks	Andy Mclay



***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

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 since the 1980s. 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 Extinct

County Status Extinct

Sep 1859	NY8928	River Tees, south side upstream of Winch Bridge	Baker, Mr J.G.
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Hieracium crebridens

Chapel-le-Dale Hawkweed

National Status Vulnerable

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, A.

Hieracium integratum

Toothless Hawkweed

National Status Endangered

County Status Rare, probably introduced here.

2000+	NZ52	Teesside	Vince Jones
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Hieracium iricum

Erin Hawkweed

National Status None, a “Scottish” species

County Status Rare

22/06/2005	NY862294	Cronkley Bridge	Wild Flower Society
1867	NY8228	Falcon Clints, east	Baker and Tate
	NY8128	Falcon Clints, west	
	NY8531	Langdon Beck bridge, near	
	NY9027	Winch Bridge	
22 Jun 1996	NY92D	Winch Bridge, south side	Jones, Vincent
15 Jun 1998	NY92M	Middleton in Teesdale	Baker, Neil

Hieracium peccense

Peak Hawkweed

National Status Vulnerable

County Status Rare

Hieracium pycnotrichum

Dense-leaved Hawkweed

National Status Extinct

County Status Extinct

05 Aug 1876	NZ2029	Bishop Auckland	Soutter, J.P.
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Hordelymus europaeus Wood Barley

National Status Scarce
County Status Scarce

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

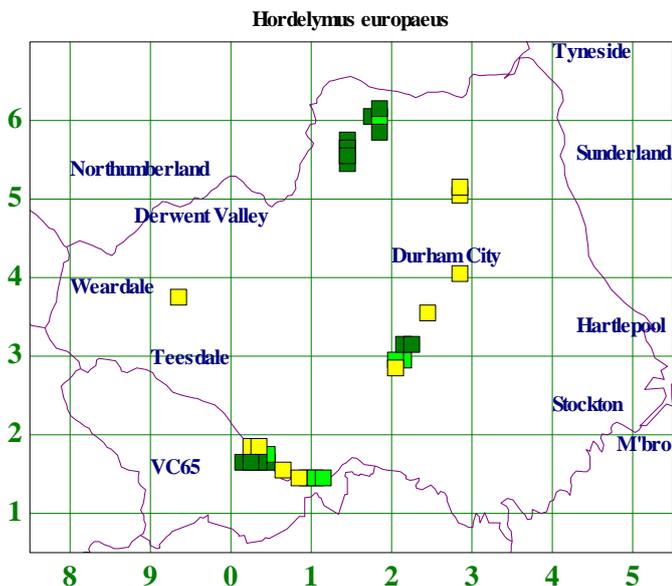
Most sites for this grass consist of a single clump, of about one square metre. Bellburn Wood and Gibside West Wood have patches of about ten square metres. Deepdale is the best site, with hundreds of plants over several hectares in two kilometres of the wood.

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.

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, few are in SSSIs.



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	NZ0150 1629		
	NZ0143 1629		
July 2012	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
May 2013	NZ18108 61208	Lands Wood (not WT)	John Liam Durkin
May 2013	NZ18230 61213	Lands Wood (Wland Trust)	John Liam Durkin
01/05/05	NZ1760	Paddock Hill Wood	John Liam Durkin
Jun-92	NZ180604	Paddock Hill Wood	Westerberg S
01-Jul-05	NZ1456	Pont Burn Wood WT Compartment 2B	John Liam Durkin
24/03/09	NZ148558	Pontburn Wood, WT Compartment 3D	John Liam Durkin
1997	NZ1760	Thornley Wood	Westerberg S
15/04/06	NZ2131	Vinovia	J & C O'Reilly
21-Jul-98	NZ106146	Whorlton	Sykes, M.
Jul-99	NZ107146	Whorlton	Kay, G.M.
Jul-94	NZ109147	Whorlton	Peacock, H
07-Jul-92	NZ110144	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

***Hyoscyamus niger* Henbane**

National Status None
 County Status Scarce

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	G G G

***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. 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 hort.

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

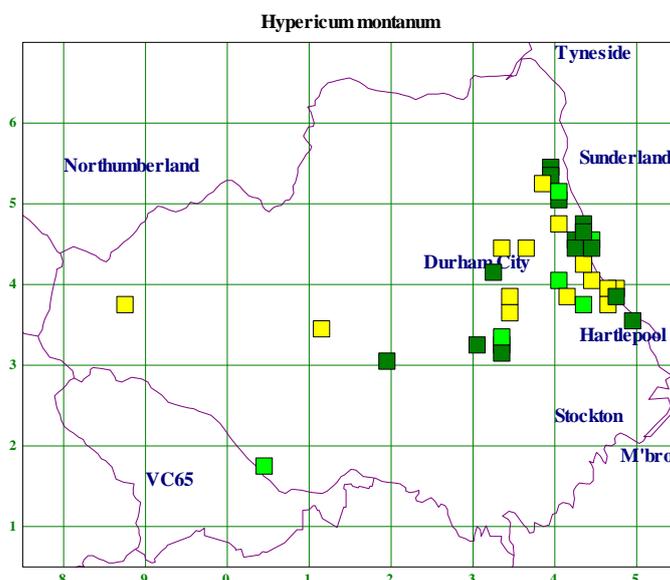
Hypericum montanum
Pale St John's Wort

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, 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		
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	Hornden 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
1980	NZ440458	Hawthorn Hive	Richardson M E
14/08/80	NZ442452	Beacon Hill	Richardson M E
21/07/95	NZ4444	Easington Colliery Coast	G and A Young
19/06/90	NZ4445	Hive Point	Mitchell D
17/08/11	NZ475382	Cross Gill	A Mclay
2009	NZ4935	Hart Warren Railway Embankment	Martin Allen
20/11/08	NZ300329	The Carrs	Alison Hiles
26/07/07	NZ329418	Sherburn Quarry	Alex Staddon



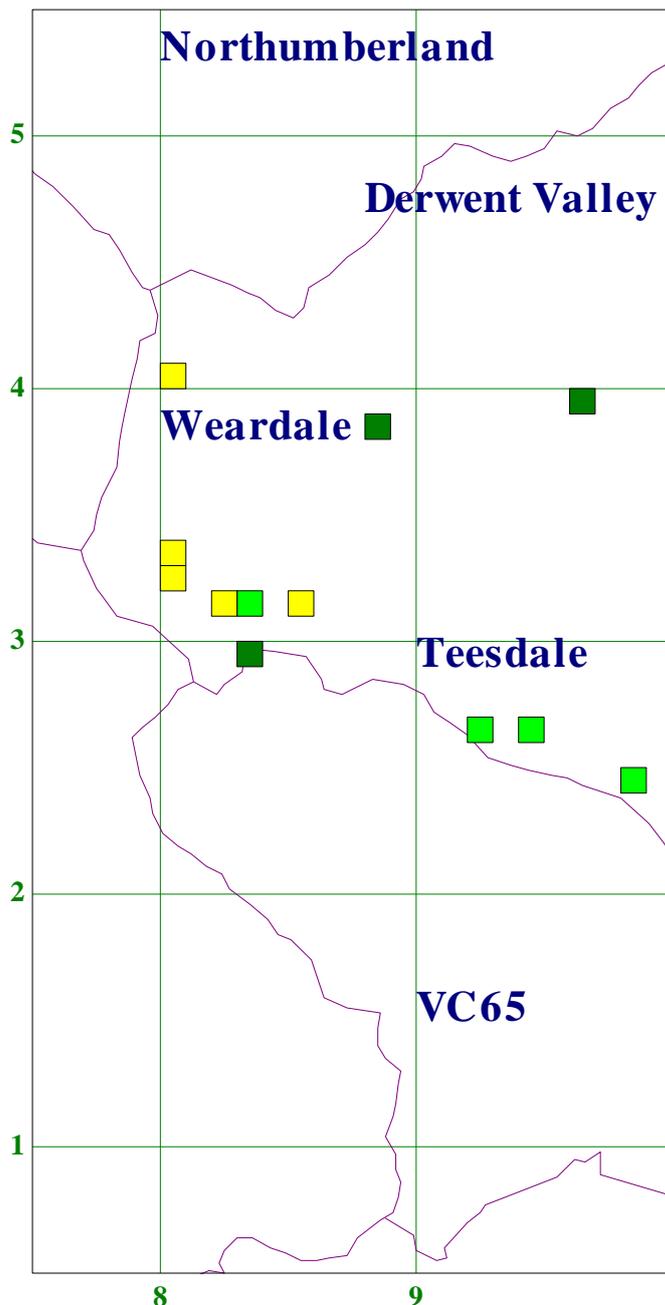
Imperatoria ostruthium **Masterwort**

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
Jun 1990	NY949262	Middleton in Teesdale	Hodgson, D.
21/06/99	NY832313	Peghorn Lodge	Jones, V
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*.

Juncus alpinoarticulatus Alpine Rush

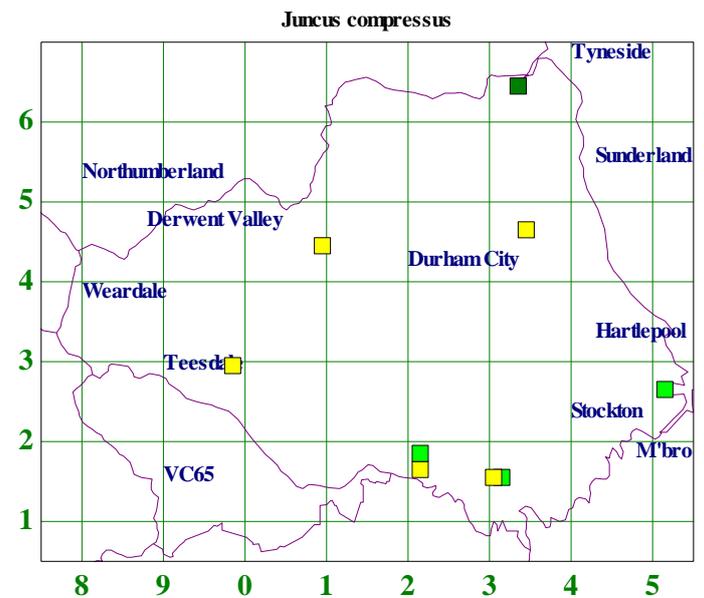
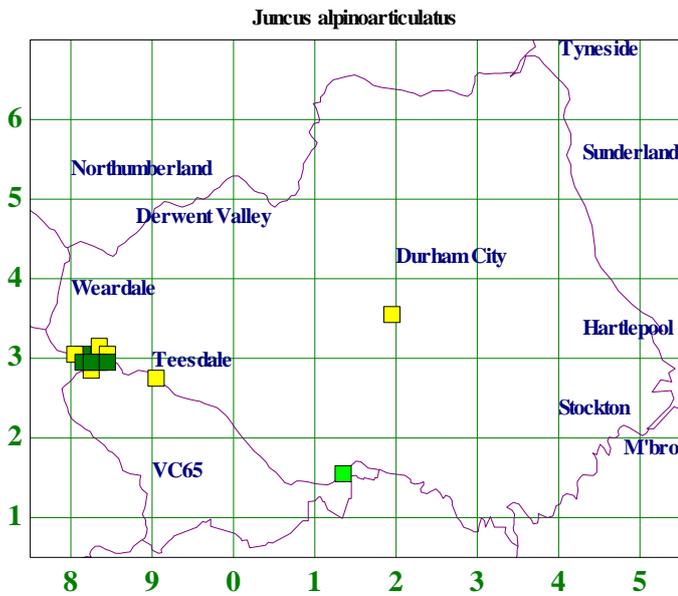
National Status Scarce
 County Status Rare

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 compressus
 Round-fruited Rush

National Status None
 County Status Scarce, declining.



21/08/11	NY816294	Widdybank	M Wilcox
	NY816295		
2009	NY849296	Cetry Bank	Natural England
21-May-08	NY81483041	Slapstone 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
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
15/09/81	NY842301	Widdybank	Graham, Rev G G.
	NY846302	Pasture	

15/07/10	NZ338649	Church Bank Meadow	Paul Losse
04/11/80	NZ304152	Darlington	Burnip, M.
10-Jul-95	NZ210180	Denton	Wharton T.S.
1995	NZ310152	Stockton and Darlington Railway Track, Western Marsh	David Green
1997	NZ517263	Tioxide	Physalia Ltd.
1997	NZ517263	Tioxide	Physalia Ltd.

Juncus x alpiniformis

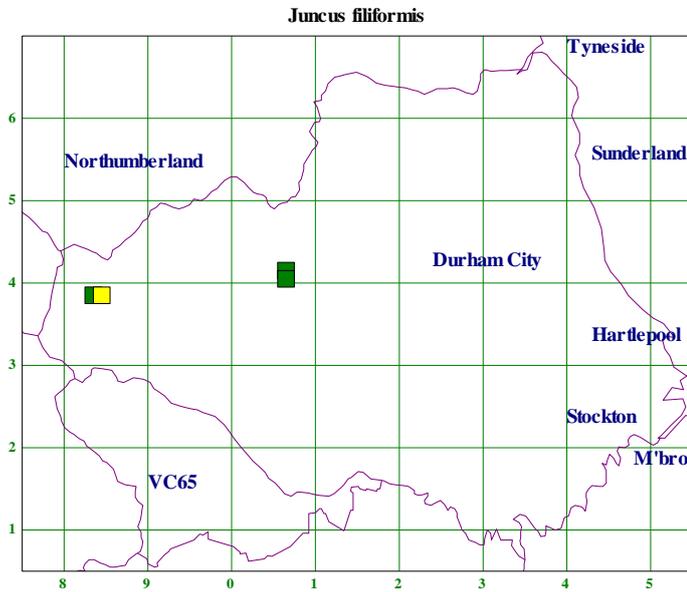
1931	NY82J	Widdybank	Druce, Mr G.C.
Oct 2012	NY832359	Cutthroat Moss	Valerie Hack

Juncus filiformis

Thread Rush

National Status Scarce
 County Status Scarce

Shores of upland reservoirs, gradually spreading.

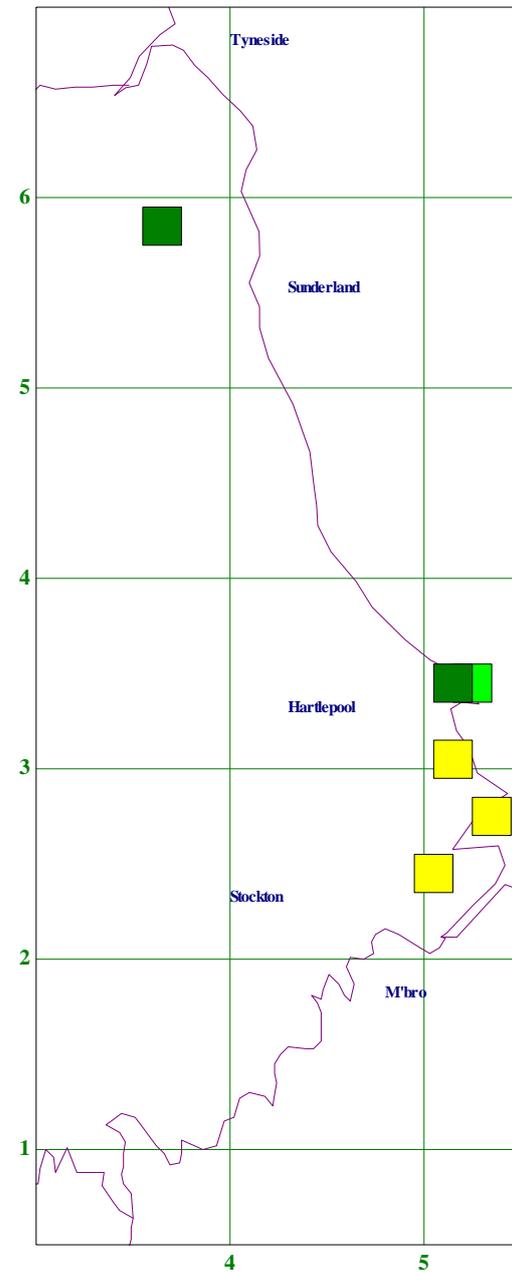


2011	NY832386	Burnhope Reservoir	Andy McLay
1988	NY835388	Burnhope Reservoir	Moira Owen
25/06/05	NZ0640	Tunstall Reservoir LWS 3.18	A & G Young
2009	NZ068419	Tunstall Reservoir LWS 3.18	Keith Regan

Juncus maritimus
Sea Rush

National Status None
 County Status Scarce, declining.

Juncus maritimus

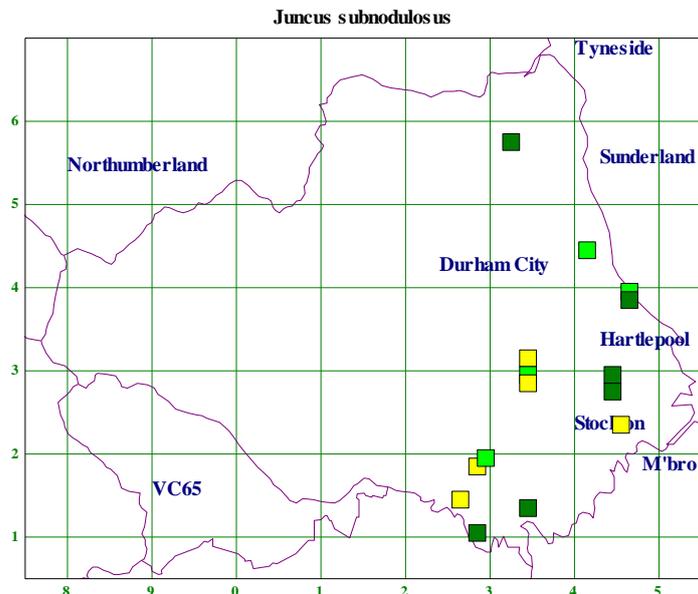


1993	NZ502246	Cowpen Marsh	Unknown
24/02/94	NZ520340	Hartlepool Docks	Lowe, C.J.
01/08/2001	NZ51413416	Hartlepool Slake	Russell McAndrew
2009	NZ5134	Hartlepool Slake	Ian Bond
30/09/01	NZ368582	Timber Beach saltmarsh	J L Durkin

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
29-Jul-90	NZ4639	Blue House Gill	D Mitchell
Aug-91	NZ345290	Hardwick Hall CWS 7.8	Valerie Standen
14/05/81	NZ346289	Hardwick Hall Serpentine Lake	GGG
1991	NZ415447	Hawthorn	V Standen
01/08/09	NZ281108	Hell Kettles SSSI	F Sarker
1984	NZ281109	Hell Kettles SSSI	English Nature
2010	NZ44298 29428 NZ44244 29412 NZ44275 29415 NZ44290 29396 NZ44298 29385 NZ44298 29428 NZ44231 29433 NZ44244 29412	Gunnersvale Marsh	Wildflower Ark
2010	NZ44457 27792 NZ44448 27785 NZ44448 27785 NZ44472 27754 NZ4443 827812 NZ44443 27807 NZ44472 27754 NZ44439 27824	North Burn Marsh	Wildflower Ark
21-Jul-98	NZ292198	Redcar Field Nature Reserve	DTNFC
2000	NZ349134	The Whinnies LNR	David Green



Juncus triglumis Three-flowered Rush

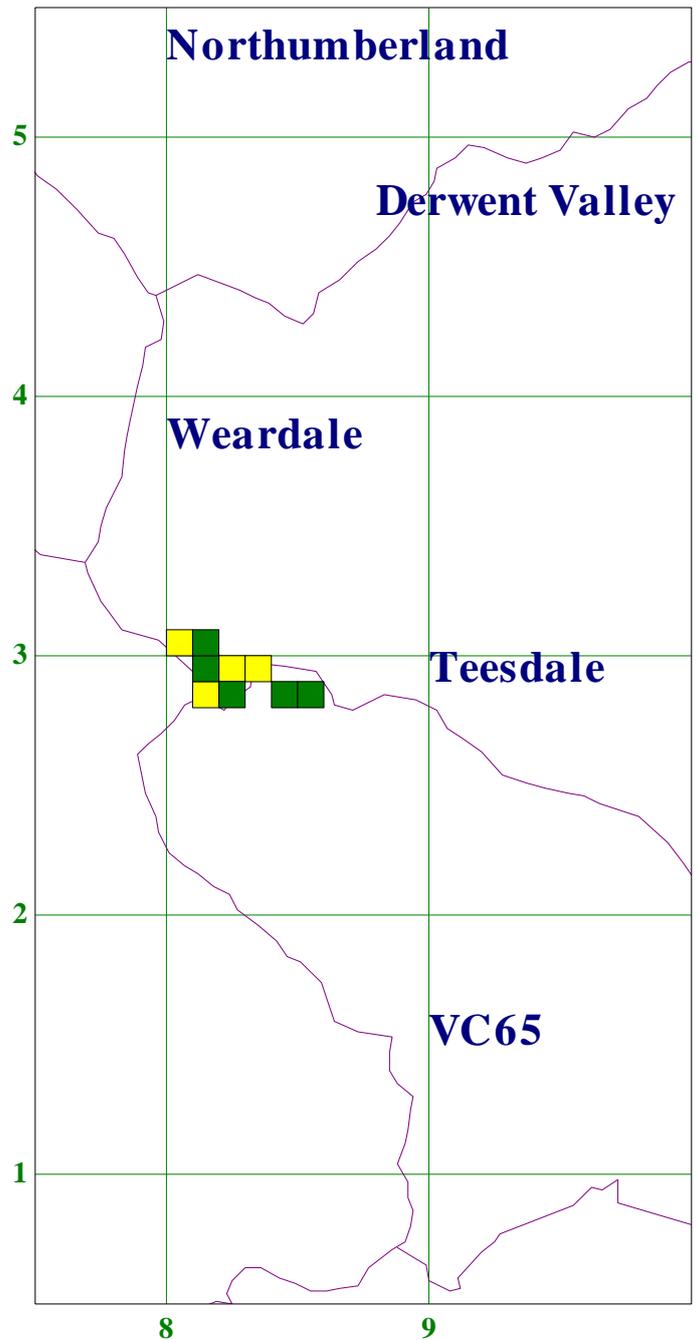
National Status A "Scottish" species
 County Status Scarce

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
1976	NY810303	Widdybank Fell	M Bradshaw & Alison Jones
	NY810304		
	NY811303		
	NY811304		
	NY812304		
	NY813294		
	NY813295		
	NY813296		
	NY813304		
	NY814293		
	NY814294		
	NY814295		
	NY814296		
	NY814304		
	NY815292		
NY815293			
NY815296			
NY819288			
NY819291			

Juncus triglumis



Juniperus communis

Juniper

National Status UKBAP
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.

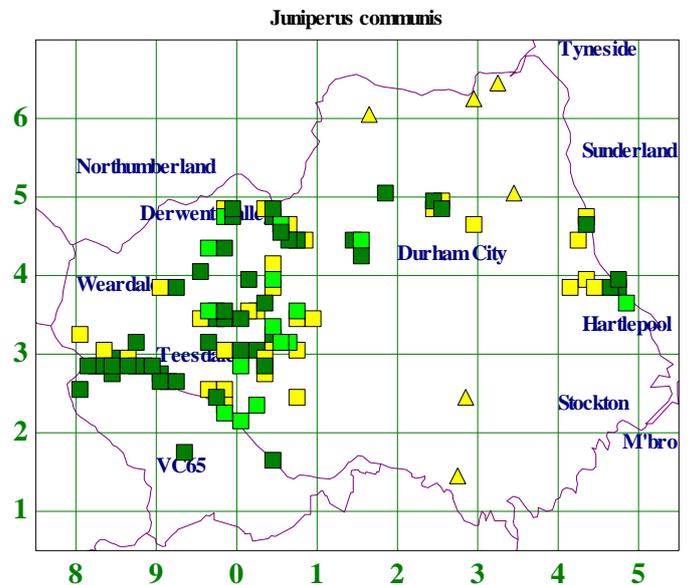
Current or recent activity

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.



Native or re-introduced lowland sites

Date	Grid Reference	Site Name	Recorder
18/05/81	NZ292461	Brasside Ponds, damp heath N of.	Graham, Rev G G.
26/07/05	NZ344504	Houghton Cut	J L Durkin
29/08/10	NZ245493	Daisy Hill	J L Durkin
02/03/10	NZ2548	Waldrige 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, including *introductions in italics.*

02/09/81	NZ060314	Ayhope Shield	Graham, Rev G G.
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
Jan-91	NY977357	Bollihope Bog LWS 3.24	Valerie Standen
29-Nov-07	NY982350	Bollihope Common	J L Durkin
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
1989	NZ145448	Cornsay	Dunn, T.C.
29/09/11	NY835290	Cronkley, south bank of Tees	J L Durkin
	NY835291		
	NY835292		
	NY835293		
	NY834289		
	NY834288		
	NY834287		
	NY8428		
01/09/07	NY8429	Cronkley Scar	J L Durkin
1980	NY982237	Eggleston	GGG
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		
	NY825281		
09/09/13	NY846296	Brock Holm	J L Durkin

		island in Tees	
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
Aug-08	NY8628	High Crag, Cronkley	J L Durkin
Aug-07	NY880283	High Force, south side of river	J L Durkin
	NY88102840		
	NY88002836		
09/07/04	NY873285	Teesdale	National Juniper Survey
06/05/11	NZ0447	Hisehope Burn SSSI	A McLay
Nov-91	NY985220	Hole Beck Quarry LWS 6.21	Valerie Standen
01/09/07	NY90202693	Holwick Scars	J L Durkin
	NY90582671		
	NY90272692		
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
1980	NZ098346	Knitsley Fell Quarry	Graham G.G.
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
1990	NZ004218	Great Wood, Teesdale	AG Barber & RJ Cooke
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
Sep-90	NZ045390	Thornhope Beck Wood LWS 3.14	Valerie Standen
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

Kobresia simpliciuscula False Sedge

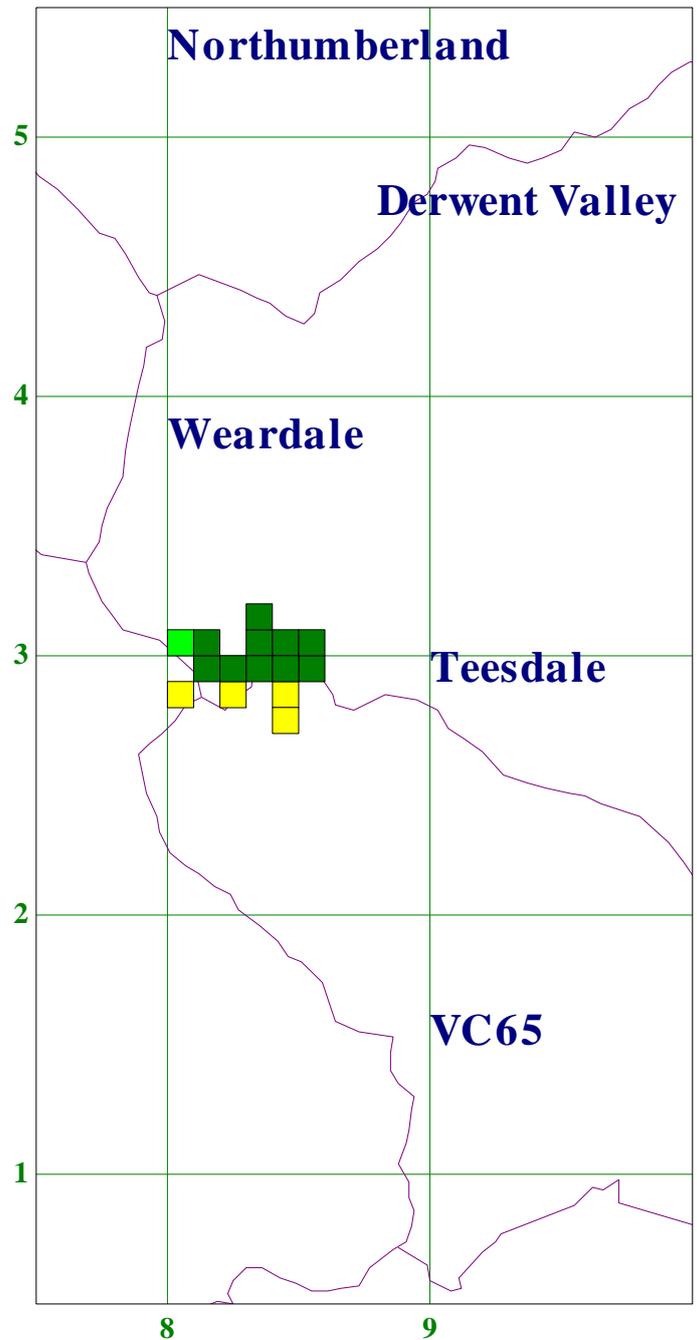
National Status Nationally Rare
County Status Scarce

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	
1985	NY817293	Red Sike	Wilson, P.J.
2008	NY837299	Widdybank Pasture	Jeremy Roberts
1993	NY839299	Widdybank	GGG
2008	NY835303	Widdybank Pasture	Jeremy Roberts
1986	NY844298	Widdybank	Wilson, P.J.
2008	NY847304	Widdybank Pasture	Jeremy Roberts
15/09/81	NY842301	Widdybank	Graham, Rev G G.
	NY846302	Pasture	
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
1986	NY8428	Cronkley Fell	Bray, E.

Kobresia simpliciuscula



Lamium confertum
Northern Dead Nettle

National Status None
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.

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. Unsuccessful search in 2011.

08/07/79	NY883440	Frazer's Quarry	M Burnip
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Limonium humile
Lax-flowered Sea-lavender

National Status Scarce
County Status Extinct

Doubtful records, at Greatham Creek by JW HH.

There are no recent records.

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.

***Linum perenne anglicum* Perennial Flax**

National Status Scarce
 County Status Rare

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

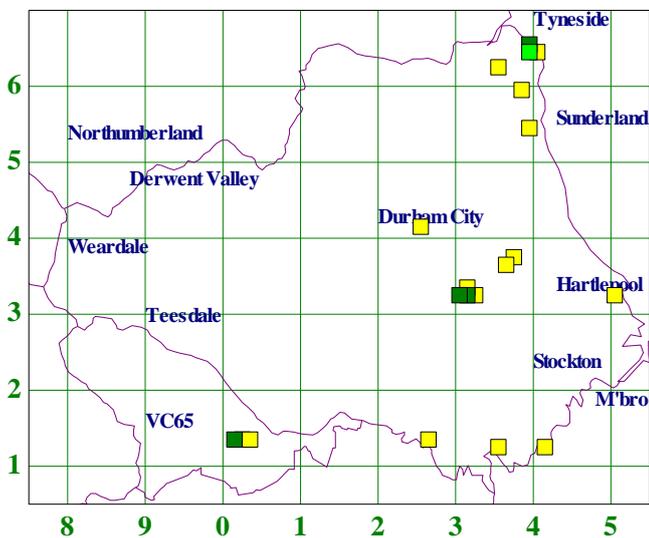
Mainly on the magnesian limestone, with one site on the Permian limestone. There are two main sites, at Thrislington NNR and at Harton Downhill SSSI, both of which were well known to local people for many years before they came to the attention of serious botanists. The Thrislington/Rough Furze population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

The Durham populations are on the northern limit for this attractive flower.



1997	NZ3964	Beacon Hill Quarry	Durham Wildlife Services
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
1986	NZ0213 NZ0313	Kilmond Scar SSSI	English Nature
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.
28/06/80	NZ319329	Thrislington NNR	GGG
10/06/07	NZ3189 3284	Thrislington comprtment 5	A & G Young
11/07/10	NZ3032	Thrislington NNR	Judith Dyke
1980	NZ3737	Wingate	NCC

Linum perenne



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

National Status Scarce
 County Status Extinct

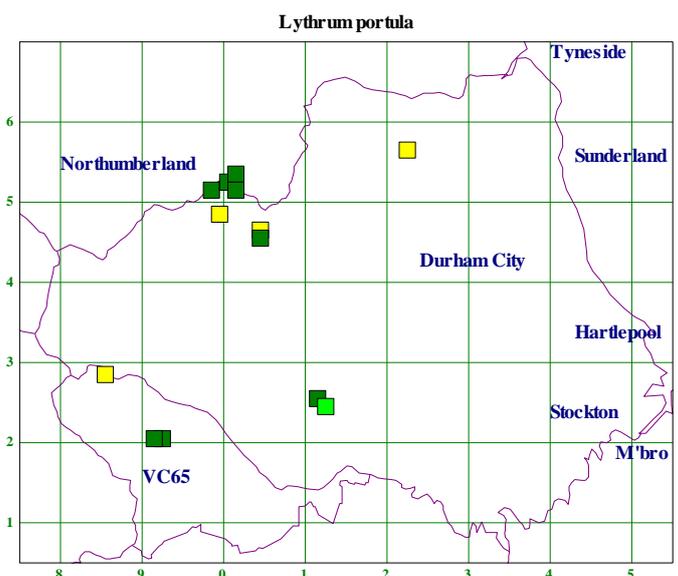
There is a record from “a swamp near Birtley”, in 1930, by Professor J W H Harrison. “known between the wars, but the area now built over”.
 Possibly a doubtful record.

***Lythrum portula* Water-purslane**

National Status None
 County Status Scarce

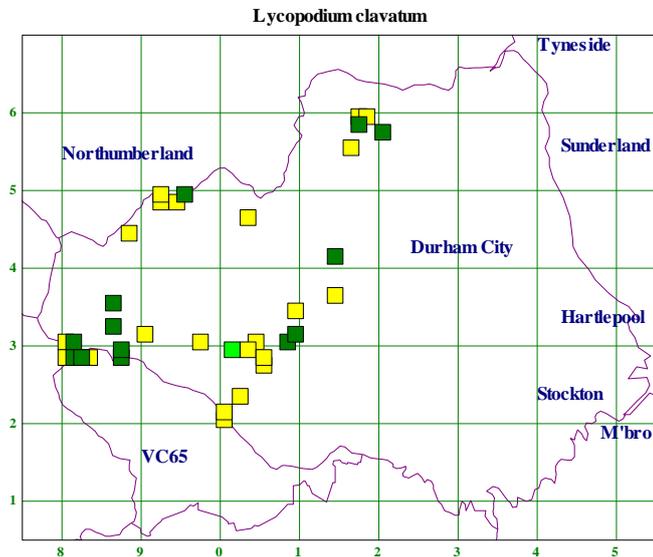
Frequent to dominant on the shores of the Derwent Reservoir. Spreading.

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 Habs. Dir Annex 5
County Status Scarce



04/06/03	NY955497	Low Garden House, old quarry road	A & G Young
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
04/06/81	NZ144361	Roddy Moor SW of	GGG
1984	NZ0021	Shipleigh & Great Woods SSSI	English Nature (from NNU)
2011	NY8130	Slapstone Sike	M Bradshaw



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
1986	NZ179595	Gibside	J L Durkin
2010	NZ175588	Gibside	J L Durkin
09/06/09	NZ0931	Hamsterley Forest	Sarker, F
Feb 1992	NZ019298	Hamsterley Forest CWS 6.25	Valerie Standen
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
11/07/80	NZ098344	Knitsley Fell Quarry	GGG

***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
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***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 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

***Minuartia stricta* Teesdale Sandwort**

National Status Vulnerable
 County Status Rare

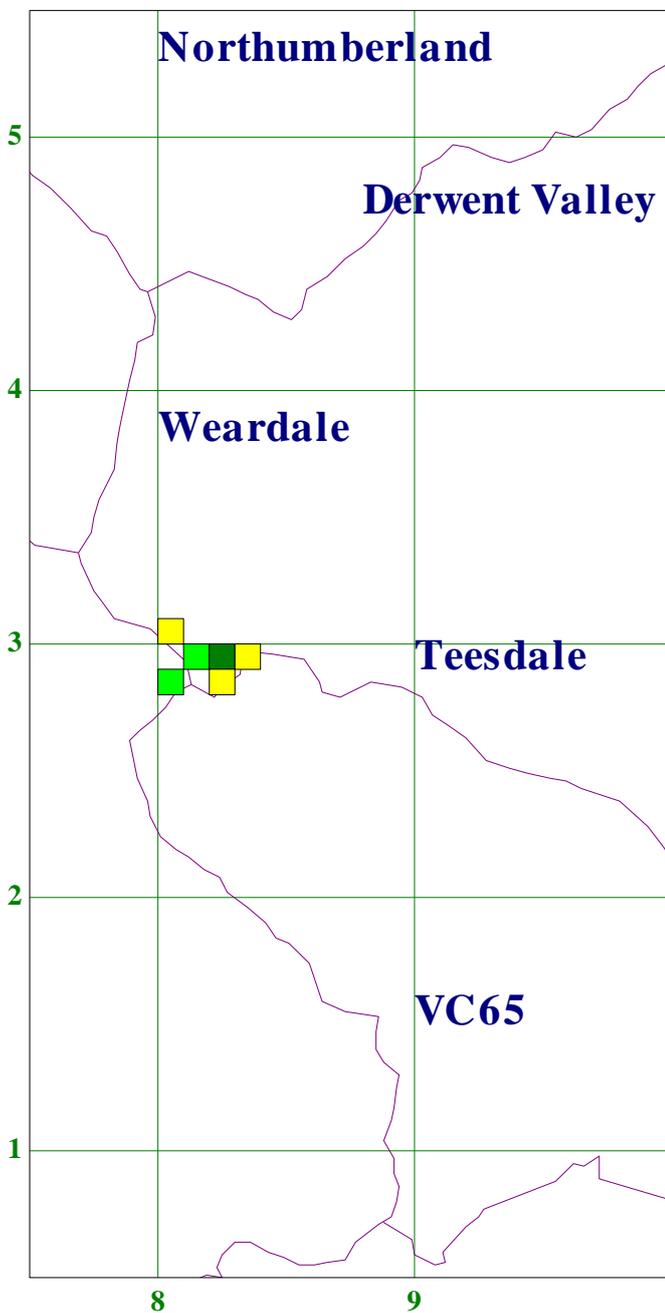
County Durham has a significant proportion of the national distribution of this species.

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.

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**

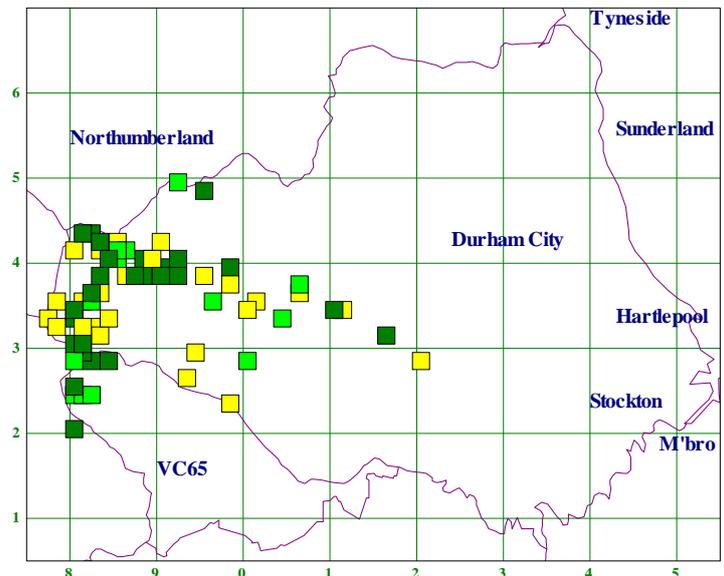
National Status Near Threatened
 County Status Scarce

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



Minuartia verna

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
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
21/06/80	NY983236	Eggleston	GGG
01/08/00	NY8236	Great Stony Hill	Schober M
2002	NY983391	Greenfoot Quarry LWS 3.54	Stobbs, J. et al.
1982	NY957483	Hunstanworth	McCutcheon D.E.
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
18/08/09	NY806341	Lady's Rake Mine	J O'Reilly
20/09/75	NY847335	Langdon Beck	Burnip, M.
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.
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21-May-08	NY8166 2943	Red Sike	A & G Young
01/06/96	NY9038	Slit Wood	GGG
04/09/11	NY905391	Slit Wood	J L Durkin
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

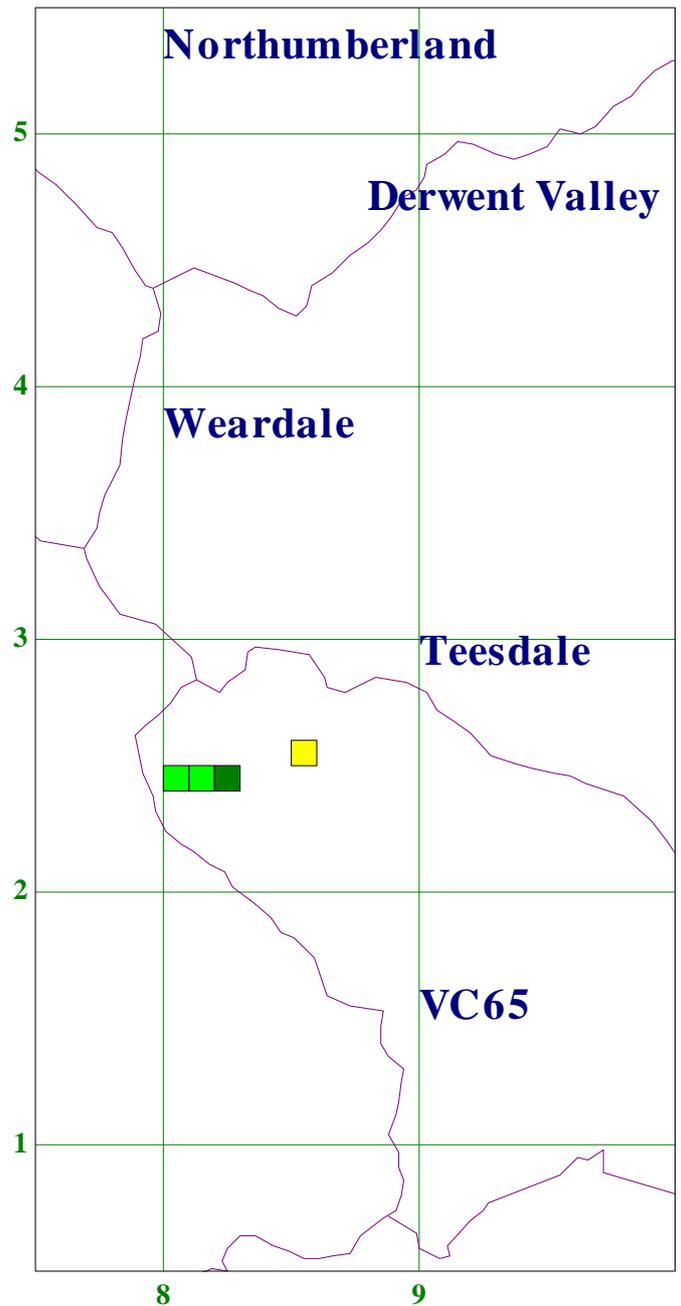
National Status Near Threatened
County Status Rare

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

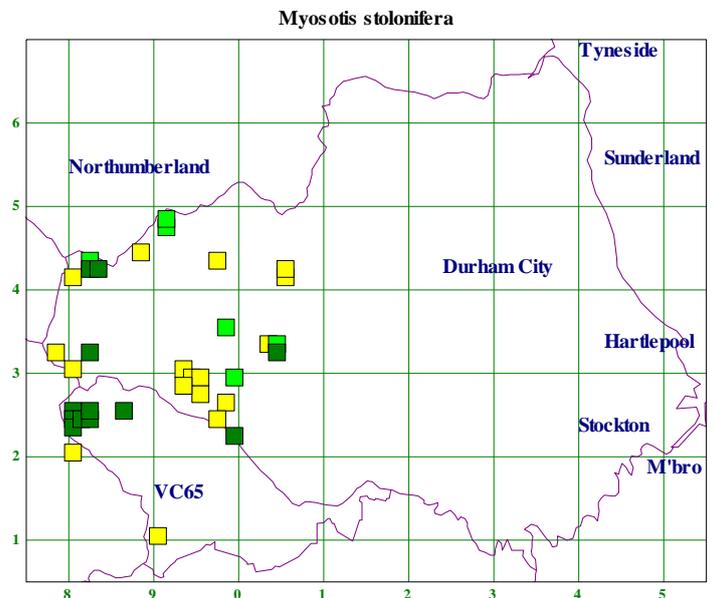


Myosotis stolonifera Pale Forget-me-not

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
07-Jul-80	NY980352	Bollihope Common	GGG
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
04-Jul-83	NY822437	Killhope Wheel	Burnip, M.
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 Cunning- ham, F Daly, J Durkin.
13/06/81	NY979438	Steward Shield	Burnip, M.



***Myosoton aquaticum* Water Chickweed**

National Status Not Scarce
 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

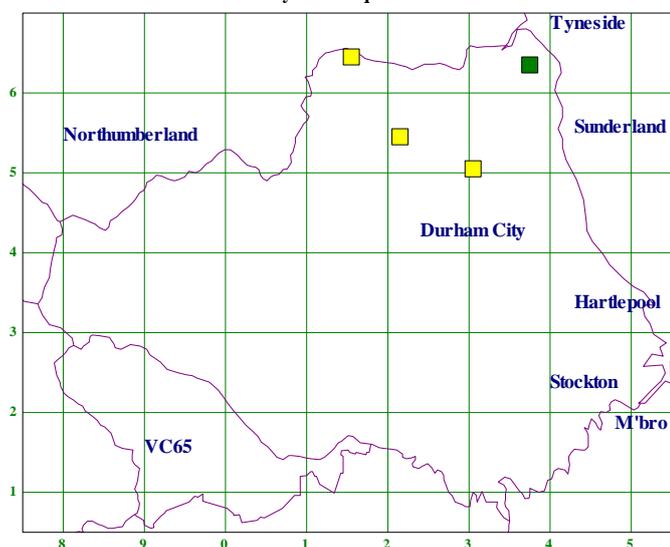
***Myriophyllum verticillatum* Whorled Water-Milfoil**

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
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Myosoton aquaticum



Neotinea ustulata Burnt Orchid

National Status Endangered
 County Status Rare

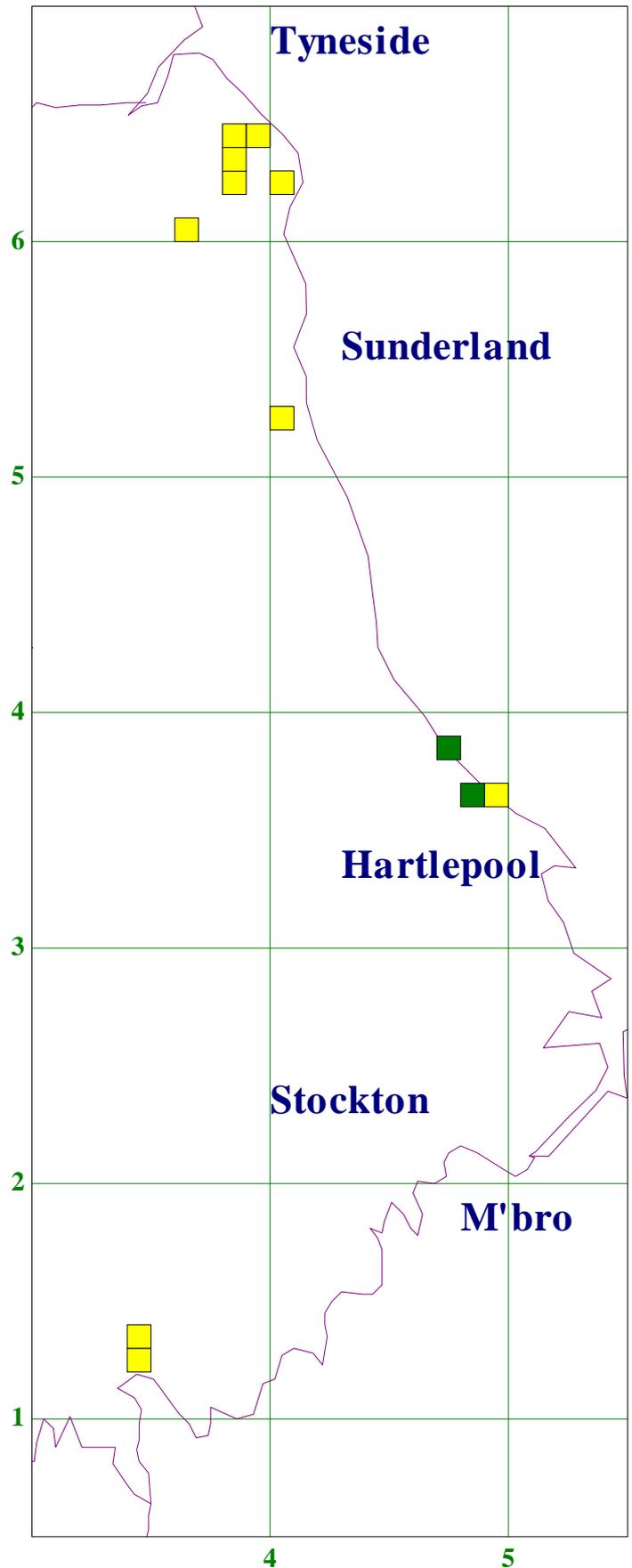
Formerly quite widespread, though always sparse, on the magnesian limestone and now reduced to the southernmost part of its former coastal range.

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

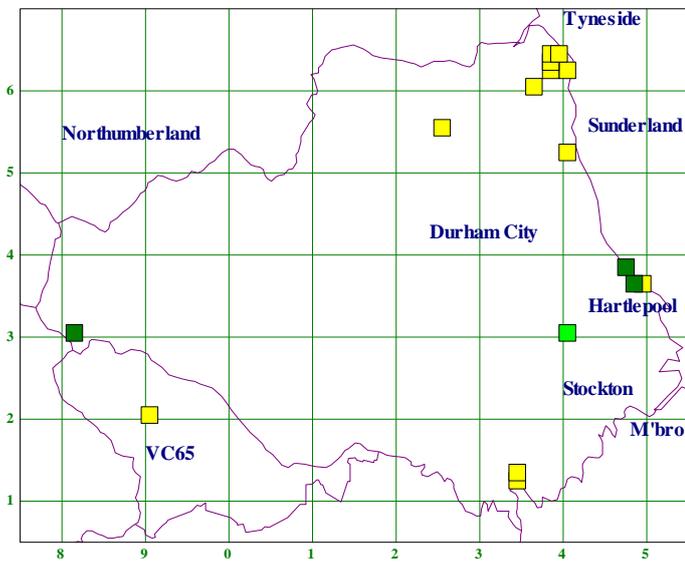
There is also a recent record from Widdybank in Upper Teesdale

31/05/06	NZ489364	Hart Warren	CNFC
07/06/06	NZ489365	Hart Warren edge of golf course	McKay, Dr M
21/06/69	NZ4936	Hart Warren	GGG
02/06/04	NY81513064	Widdybank	C Metherell

Neotinea ustulata



Orchis ustulata

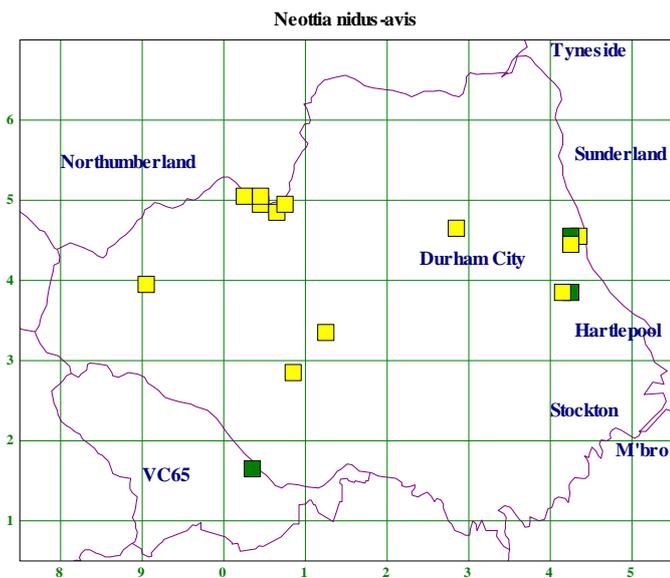


Neottia nidus-avis Bird's Nest Orchid

National Status Near Threatened
 County Status Rare

Rare (<25 flower spikes) 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 and Deepdale.

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



Nepeta cataria Cat-mint
 National Status Vulnerable
 County Status Rare

Jun 1973	NZ411558	Hendon Railway	Hall, Mr D.
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15 Jun 2011	NZ42886 45422	Hawthorn Dene	Peter Wilkinson
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.
11/05/1973	NY906390	Slit Wood	Graham et al
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.
24 Jul 2013	NZ03217 16366	Deepdale Wood	NHS Wed.

Noccaea caerulescens
Alpine Penny Cress

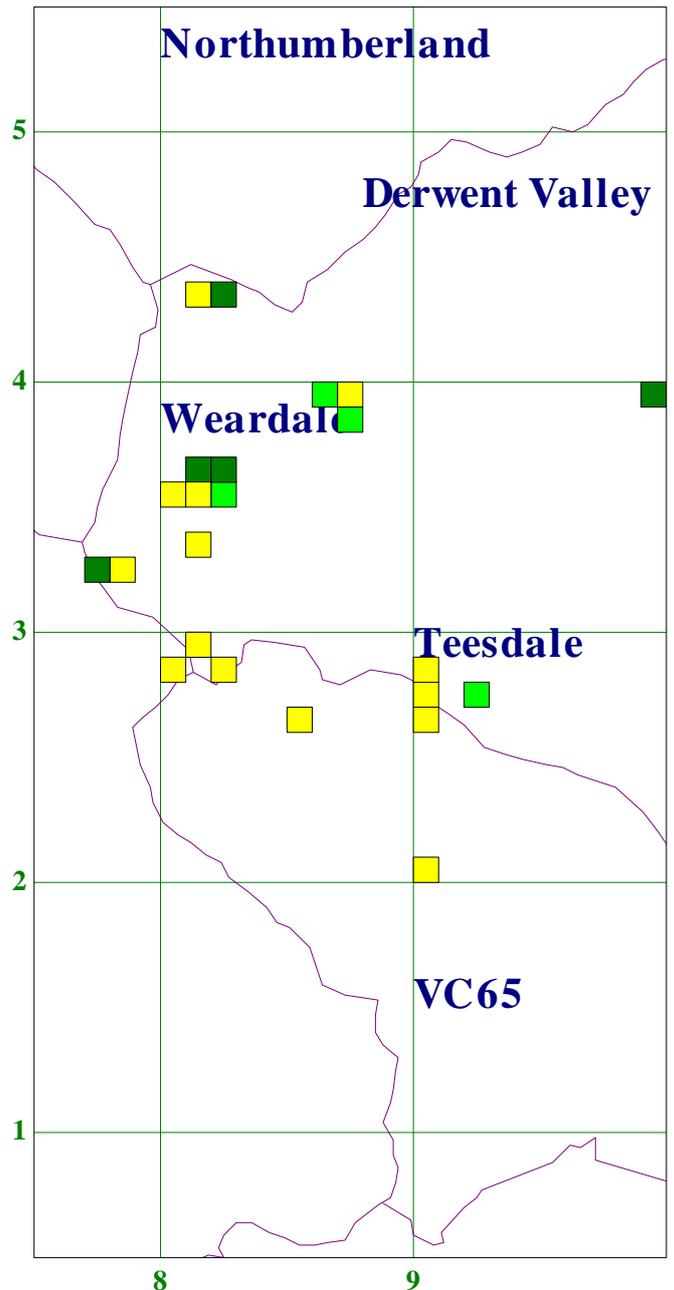
National Status Scarce
 County Status Scarce

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

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.

Noccaea caerulescens



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 aquatica
Fine-leaved Water Dropwort

National Status None
 County Status Rare

Only known from the Butterby SSSI, where it is abundant.

21 Jun 2011	NZ277387 NZ276386 NZ276387 NZ276388	Butterby Oxbow SSSI	John Liam Durkin
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Oenanthe fistulosa
Tubular Water Dropwort

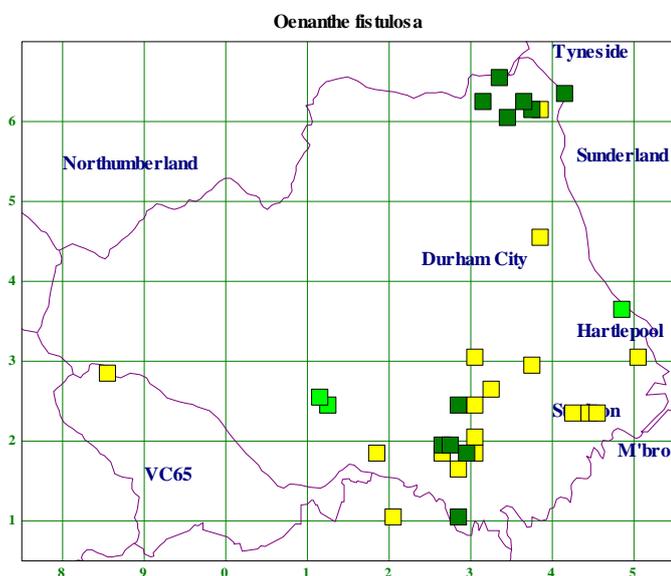
National Status Vulnerable
 County Status Scarce

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 in a South Tyneside Council Local Wildlife Site.



17-Sep-07	NZ285240	Aycliffe Nature Park	Clare O'Reilly
19-Aug-81	NZ450232	Billingham Bottoms	Appleyard, Miss P.R.
09/09/85	NZ376616	Boldon Flats	GGG
06/09/07	NZ378615	Boldon Flats	J O'Reilly
1995	NZ378614	Boldon Flats	Durkin, J.
1987	NZ3861	Boldon Pastures SSSI	English Nature
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 NZ126248 NZ117254	Cockfield Fell	GG and P S Graham
1992	NZ4836	Crimdon Dene	Boyce, R.
24/08/10	NZ1818	Headlam	Moses G W
1984	NZ281109	Hell Kettles SSSI	English Nature
01/08/09	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
18/08/80	NZ378295	Redcar Carr	GGG
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 lachenalii
Parsley Water Dropwort

National Status None
 County Status Rare

The Monkton record is probably *O. fistulosa*.

18 Sep 1974	NZ432430	Horden Dene	Burns, Mrs M.
30 Jul 2000	NZ5228	Seaton Sands	DTNFC
29 Jul 2010	NZ3162	Monkton Pond	Julia Quinonez

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
25-Jul-82	NZ162622	Burn Hills Gravel Pits	GGG.
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

Ophrys insectifera **Fly Orchid**

National Status Vulnerable
 County Status Rare

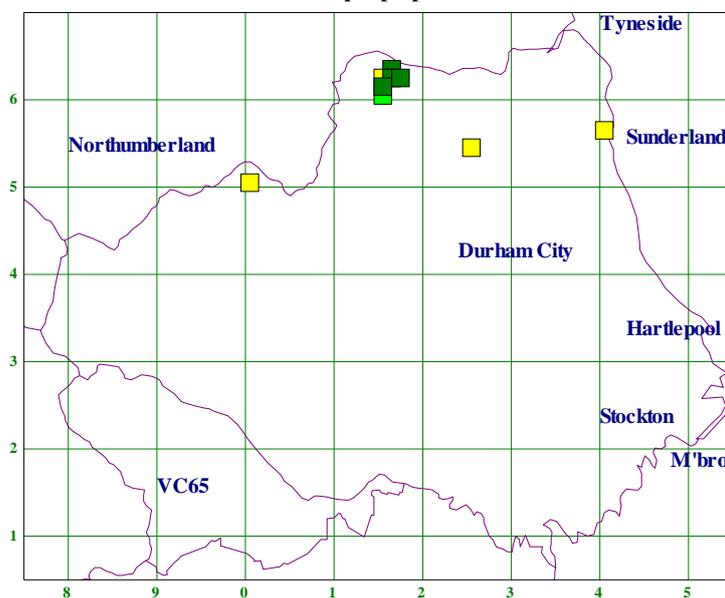
In open woodland in the coastal denes.

Conservation

Castle Eden Dene is a National Nature Reserve.
 Hawthorn Dene is an SSSI.

1982	NZ4138	Castle Eden	GGG
1953	NZ4245	Hawthorn Dene	Unknown

Ornithopus perpusillus



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

Papaver argemone**Prickly Poppy**

National Status Vulnerable
County Status Rare casual

31-Jul-05	NZ300357	Tursdale Junction arable field	John O'Reilly
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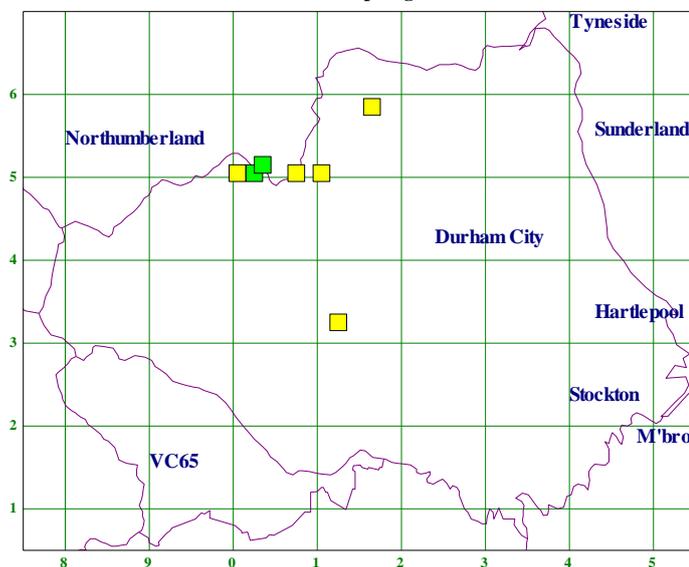
Osmunda regalis**Royal Fern**

National Staus None
County Status Rare

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

Lintzford Wood	NZ146576	18 Jun 2006	McLay, A
Washington Waterfowl Trust	NZ3355	17 Sep 2009	John Liam Durkin
NE side of South Burn	NZ255491	20 Sep 1974	Wheeler, Dr B.D.
South Burn Wood	NZ254489	16 Jul 1998	John Liam Durkin
South Burn Wood	NZ2549	28 Aug 1996	JW Aitchison, KA Crowther, LJ Redgrave, P Dullaghan
South Burn Wood	NZ254490	17 Jul 2001	John Liam Durkin

Orobanche rapum-genistæ



***Persicaria minor* Small Water Pepper**

National Status Vulnerable
 County Status probably extinct

Marshy places.

18-Jun-94	NZ2945	Brasside Pond	NNU
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***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
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***Phleum arenarium* Sand Cat's Tail**

National Status None
 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		
12/05/78	NZ530290	Seaton Dunes	GGG
	NZ529299		
	NZ531289		
1988	NZ535285	Seaton Dunes and Common	Woolven, S.C.
1988	NZ5370 2839	Seaton Dunes and Common	Radley, G.P.
	NZ5290 2910		

***Pilularia globulifera* Pillwort**

National Status Near Threatened
 County Status Extinct or doubtful

No recent records.

***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.

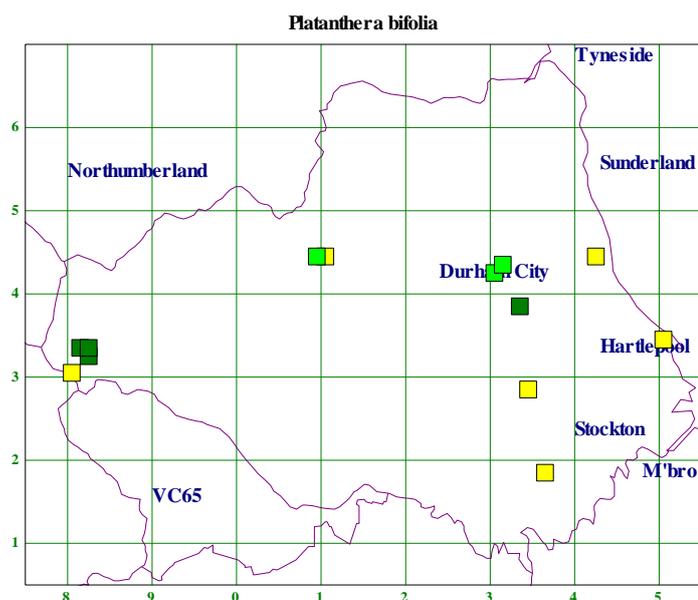


Platanthera bifolia Lesser Butterfly Orchid

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
1986	NY819337	Herdship	GGG
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.

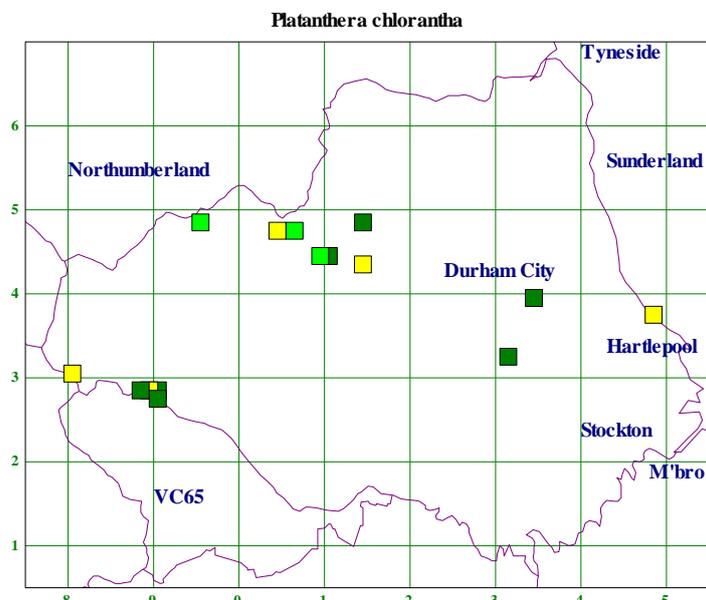


Platanthera chlorantha
Greater Butterfly Orchid

National Status Near Threatened
 County Status Scarce

In meadows and pastures on base rich soil.

16-Jul-81	NY896283	Ettersgill	GGG
Jun-99	NY901279	Winch Bridge	Coles, A.
16-Jul-02	NY9027	West Farm	Schober M
29-Aug-03	NY907285	Bowlees Pasture LWS 6.11	Ann & Gordon Young
Jul-91	NY908286	Bowlees Pasture LWS 6.11	Valerie Standen
Aug-97	NY9548	Bolt's Burn, Ramshaw, LWS 3.48	Valerie Standen and G Batey
16-Jul-82	NZ064473	Low Horsleyhope	Graham, Rev G G.
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen
1981	NZ065473	Low Horsleyhope	Lowes, M.
21/06/06	NZ10634430	Byerleyhouse Wood	Keith Cunningham
10-Jun-05	NZ143481	Hurbeck 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



***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**

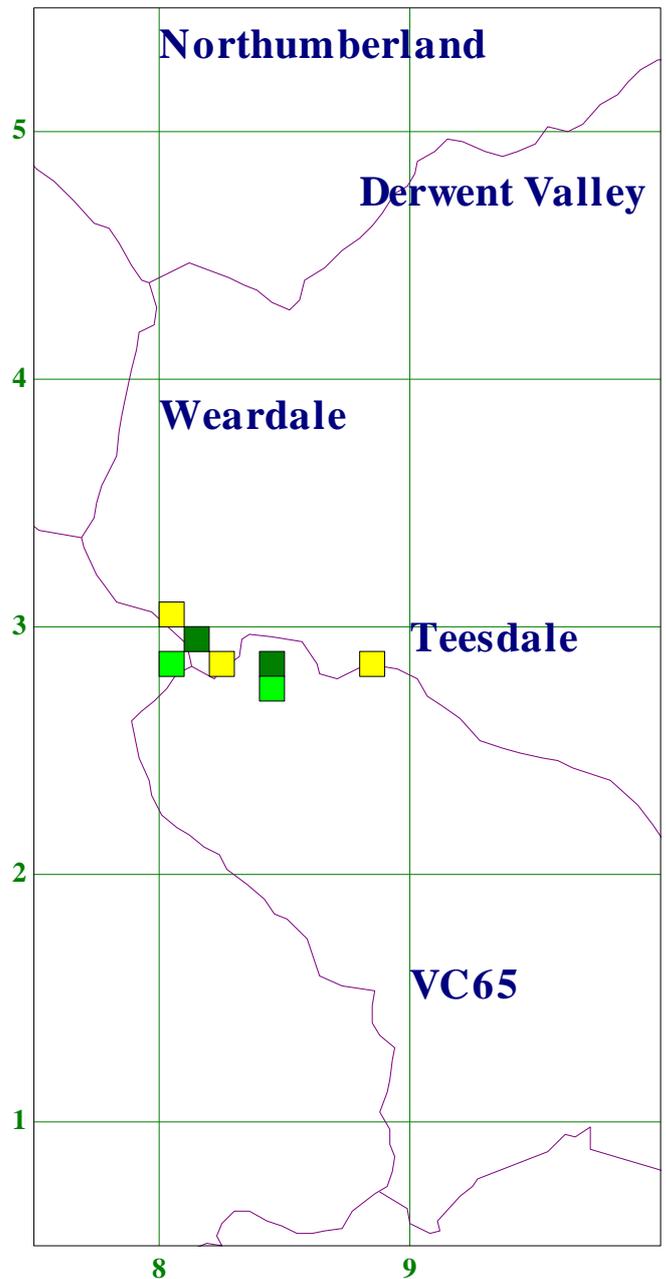
National Status Nationally Rare
 County Status Rare

"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

Polygala amarella



***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 lucens Shining Pondweed

National Status None
County Status Possibly extinct

08 Jul 1975	NZ065407	Tunstall Reservoir	Burnip, Mrs M.
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Potamogeton obtusifolius Blunt-leaved Pondweed

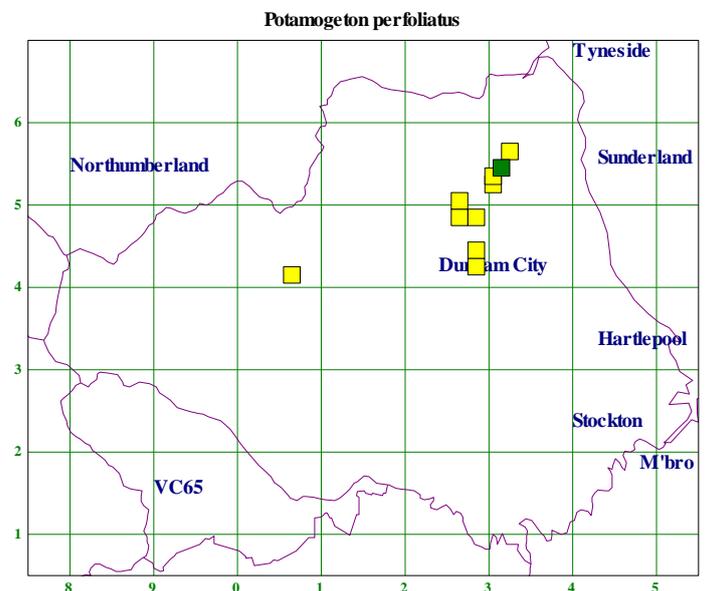
National Status None
County Status Scarce, declining.

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 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 praelongus Long-stalked Pondweed

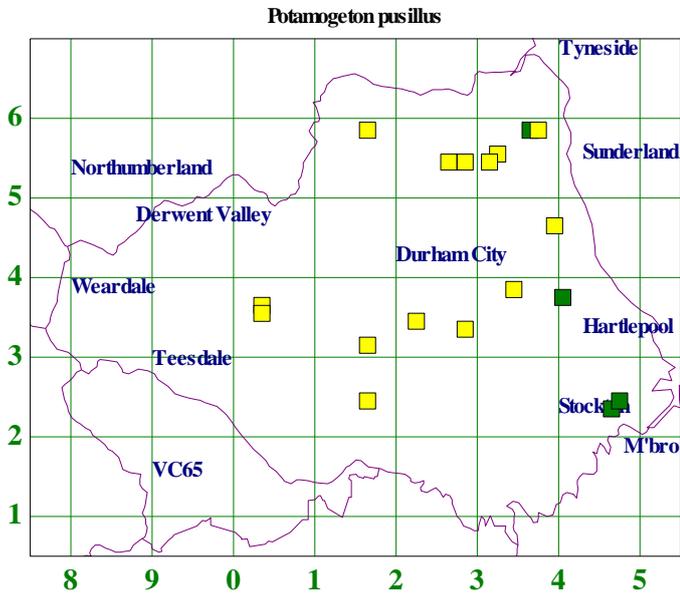
National Status Near Threatened
County Status Extinct, doubtful

“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	English Nature
Jul-10	NZ3658	Hylton Dene	J L Durkin
1980	NZ3758	Timber Beach	GGG
19-Sep-07	NZ4037	Wellfield Brick Ponds Nos 4 & 5	Clare O'Reilly
01-Sep-79	NZ164312	Witton-le-Wear SSSI	Burnip, M.



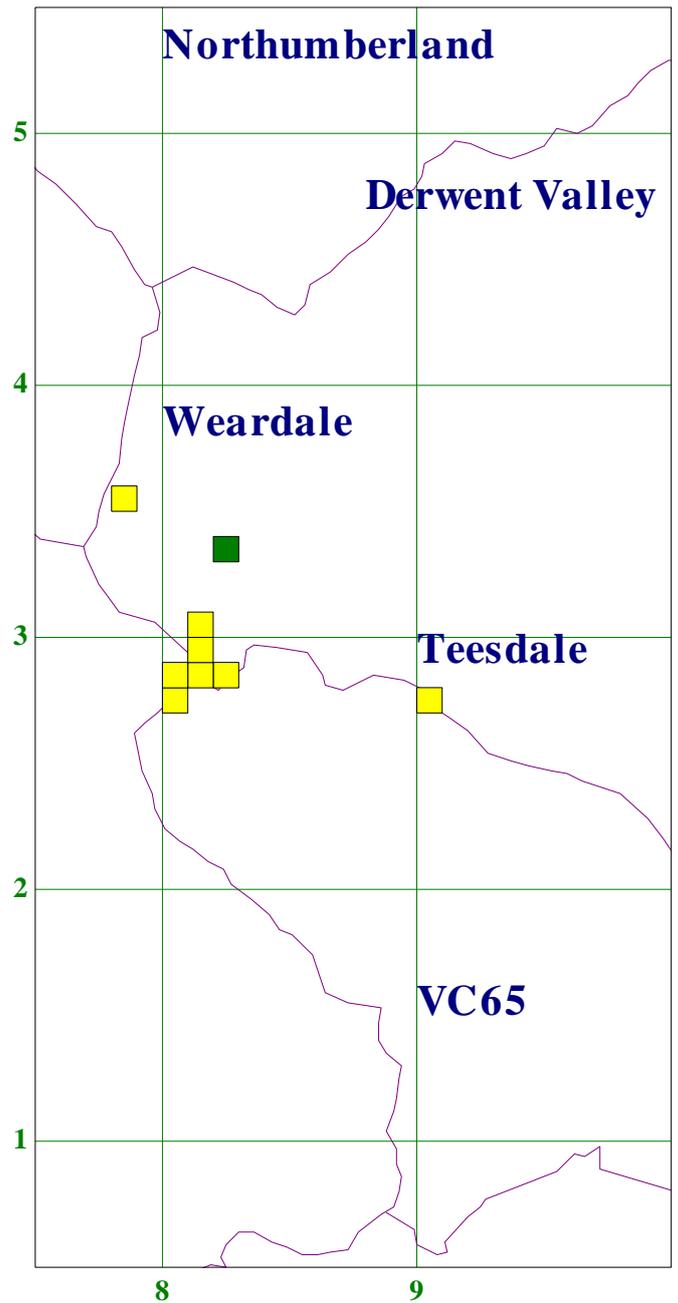
Potentilla crantzii**Alpine Cinquefoil**

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
1976	NY811302	Widdybank Fell	M Bradshaw & Alison Jones
	NY811303		
	NY812302		
	NY812303		
	NY810303		
	NY818290		
	NY820288		
	NY819289		
	NY817292		
	NY816293		
	NY819290		
	NY820289		
	NY817291		
	NY821289		
	NY815293		
	NY814295		
	NY814296		
	NY814297		
	NY814298		
	NY814299		
NY815295			
NY815296			
NY815297			
NY815298			
NY815299			
18/06/79	NY904279	Winch Bridge	Blakemore J
02-Jul-09	NY82274 33902	Limestone cliffs west of Hill Top	John O'Reilly
03/08/09	NY826330	UT NNR unit 21	M Schober

Potentilla crantzii

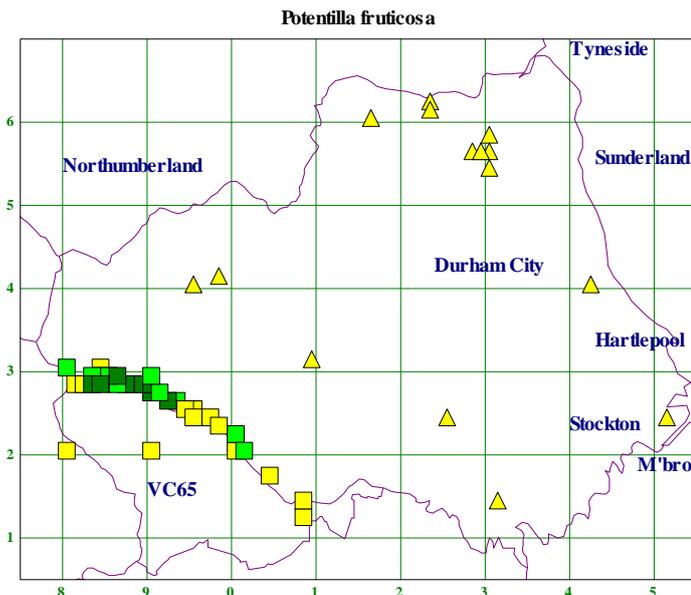
Potentilla fruticosa Shrubby Cinquefoil

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.



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, south bank of Tees	J L Durkin and SNH
	NY836294		
24-Jul-93	NY870281	Cronkley Scar	GGG
Aug-91	NY932261	Crook Pool, Tees Bank, LWS 6.03	Valerie Standen
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
29-Jul-80	NZ003218	Great Wood	GGG
09/06/09	NZ0931	Hamsterley Forest	Sarker, Falgune
31-Jul-93	NY883285	High Force	GGG
22-Jul-65	NY897283	High Force	GGG
24/10/13	NY880283	High Force, S side of river	John Liam Durkin
	NY881284		
	NY883285		
	NY884285		
31-Jul-93	NY886285	Holwick Head Bridge	GGG
Aug-91	NY925264	Low Houses, Tees Bank, LWS 6.02	Valerie Standen
1984	NZ008212	Low Shipley	NCC
15-Jul-08	NY8629	Meadow on W bank of Tees, N of Cronkley Farm	Fiona Corby
25-Sep-93	NZ013206	Near Shipley Wood	GGG
1985	NY903281	Near Winch Bridge	Wilson, P.J.
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

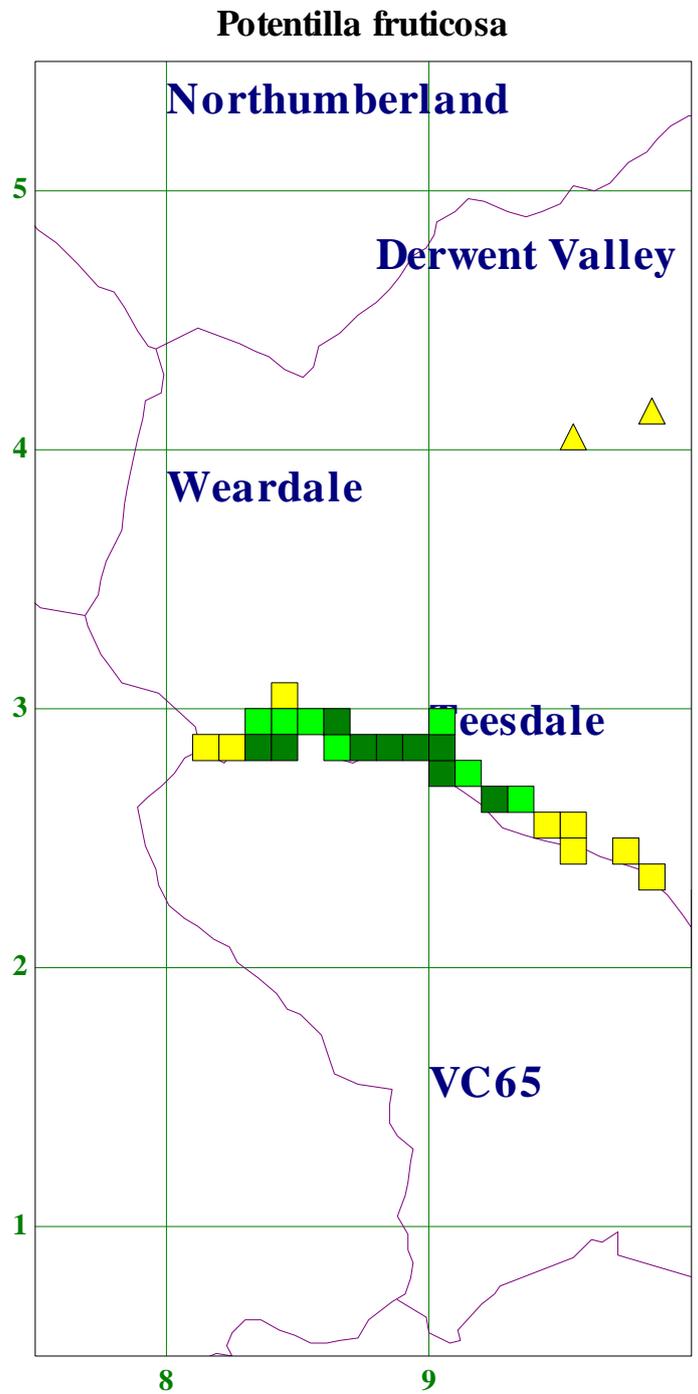
16/07/93	NY904299	Broadley's Gate	GGG
20/08/93	NY910274	Scoberry Bridge	GGG
1980	NZ043172	Waterman's Island	Burnip, M.
14/08/93	NY855295	Wheysike	GGG
14/08/93	NY856295	Wheysike	GGG
31-Jul-93	NY900282	Winch Bridge	GGG
2010		Winch Bridge Crags	J L Durkin
1993	NY908275	Winch Bridge	GGG
22-Jun-96	NY904270	Winch Bridge, south side	Jones, Vincent

***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.

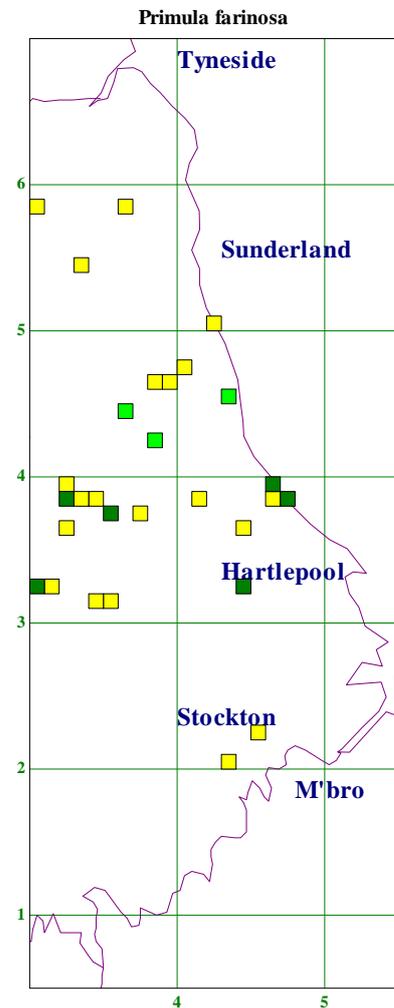
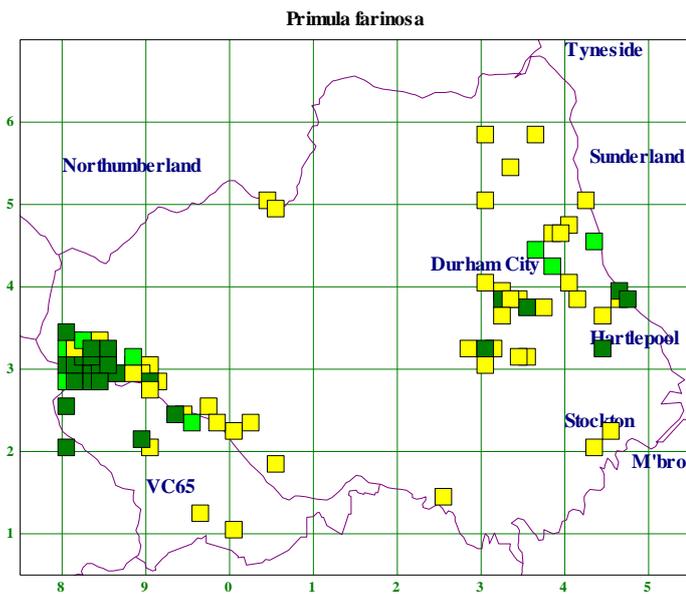
County Durham has a significant proportion of the national distribution of this species.

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.



Birds Eye Primrose. Photo by Terry Coult

Magnesian Limestone Sites			
1993	NZ4345	Beacon Hill	C J Lowe
13/10/93	NZ441326	Beacon Hill	C J Lowe
2009	NZ442326	Beacon Hill	Ian Bond
28/05/03	NZ472386	Blackhall Rocks coastal hollow	A & G Young
19/06/93	NZ465395	Blue House Gill	A & G Young
26/06/07	NZ3238	Cassop Vale	Hiles, A
1985	NZ3338	Cassop Vale SSSI	English Nature
28/05/90	NZ4738	Cross Gill area	Mitchell D
03/09/85	NZ440368	Hulam Fen	GCG
1992	NZ365444	Pig Hill SSSI	English Nature
18-May-80	NZ329386	Red Briar Bank, Quarrington Hill	Graham, Rev G G.
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



Teesdale sites south of the Tees

1986	NY948245	Middleton Quarry SSSI	English Nature
21-Jul-97	NY8629	Cronkley Bridge	McCutcheon D.E.
30/09/09	NY8328	Cronkley Fell	J L Durkin
01/09/07	NY8428	Cronkley Fell	J L Durkin
29/09/11	NY835293	Cronkley, banks of Tees	J L Durkin
11/07/10	NY890210	Selset Reservoir	A McLay
1980	NY9612	Sleightholme Beck Gorge 'The Troughs' SSSI	Sykes, M.

Teesdale Sites north of the Tees

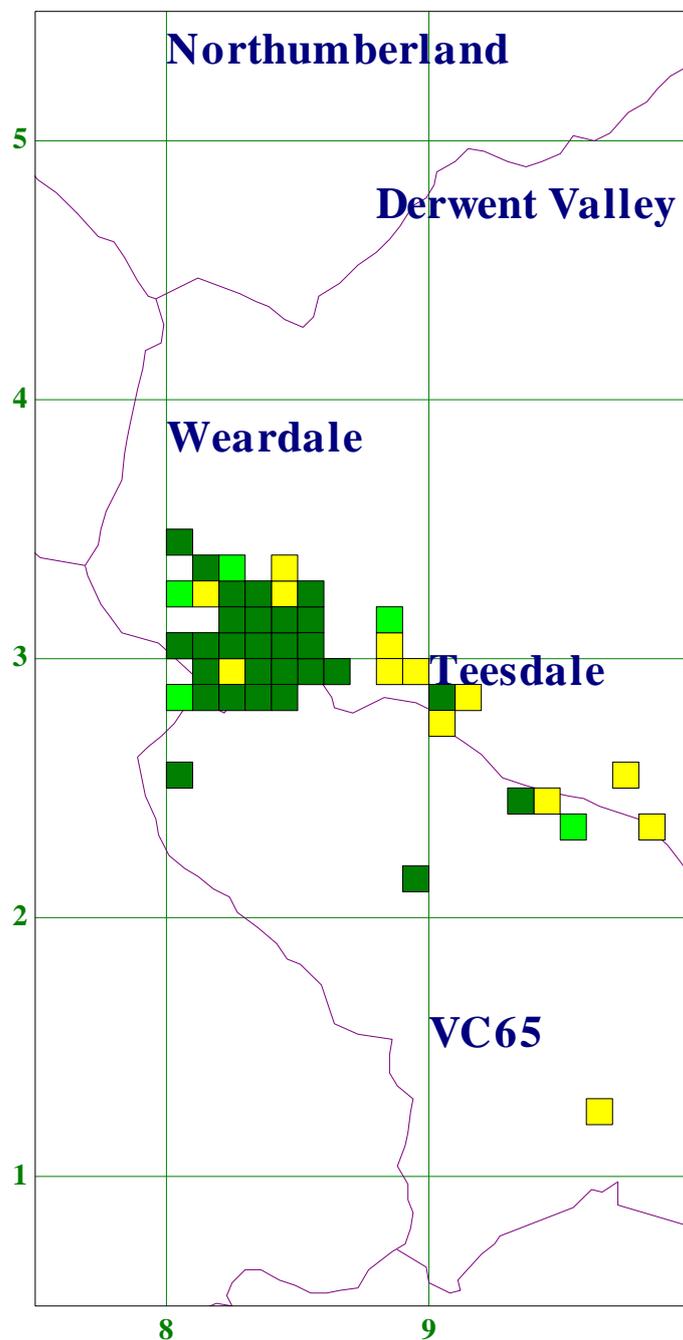
18/08/09	NY8076934032	Comber Hill	J O'Reilly
18/08/09	NY8064534082	Comber Hill	J O'Reilly
18/08/09	NY8108733742	SE of Hill End	J O'Reilly
2009	NY811331	Herdship	Natural England
	NY814333		
	NY819335		
01-Jul-06	NY820281	Falcon Clints	Wood D& Woods M
	NY8128		
19/08/11	NY8263028170	Falcon Clints	J L Durkin
1989	NY815295	Widdybank Fell	Moira Owen
1976	NY813295	Widdybank Fell	M Bradshaw & Alison Jones
	NY813296		
	NY814294		
	NY814295		
	NY814296		
	NY815292		
	NY815293		
	NY815294		
	NY815296		
	NY817291		
	NY818290		
	NY818291		
	NY819289		
	NY819290		
	NY828288		
	NY828289		
NY829288			
NY829289			
10/09/13	NY81513043	Slapestone Sike	J L Durkin and SNH
	NY81503043		
	NY81503042		
19/08/11	NY81523044	Slapestone Sike	J L Durkin
2008	NY837299	Widdybank Pasture	Jeremy Roberts

13-Jul-08	NY839299	Widdybank Farm	Simpson, G.
15/09/81	NY846302	Widdybank Pasture	Graham, Rev G G.
	NY842301		
03-Jul-09	NY835317	Harwood Beck	Schober M
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	NY818334	West of Force Foot	John O'Reilly
	NY818336		
	NY819334		
06-Aug-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
	NY853310		
	NY823326		
	NY861295		
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
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		
	NY851298		
	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	NY859297	Haugh Hill	A McLay
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	Crossthwaite Common	Schober M
Jun-91	NY954234	Cote House Wood & Marsh, LWS 6.17	Valerie Standen
Jul-80	NY982236	Eggleston	GGG
05/06/80	NY983236	Eggleston	GGG

Primula farinosa



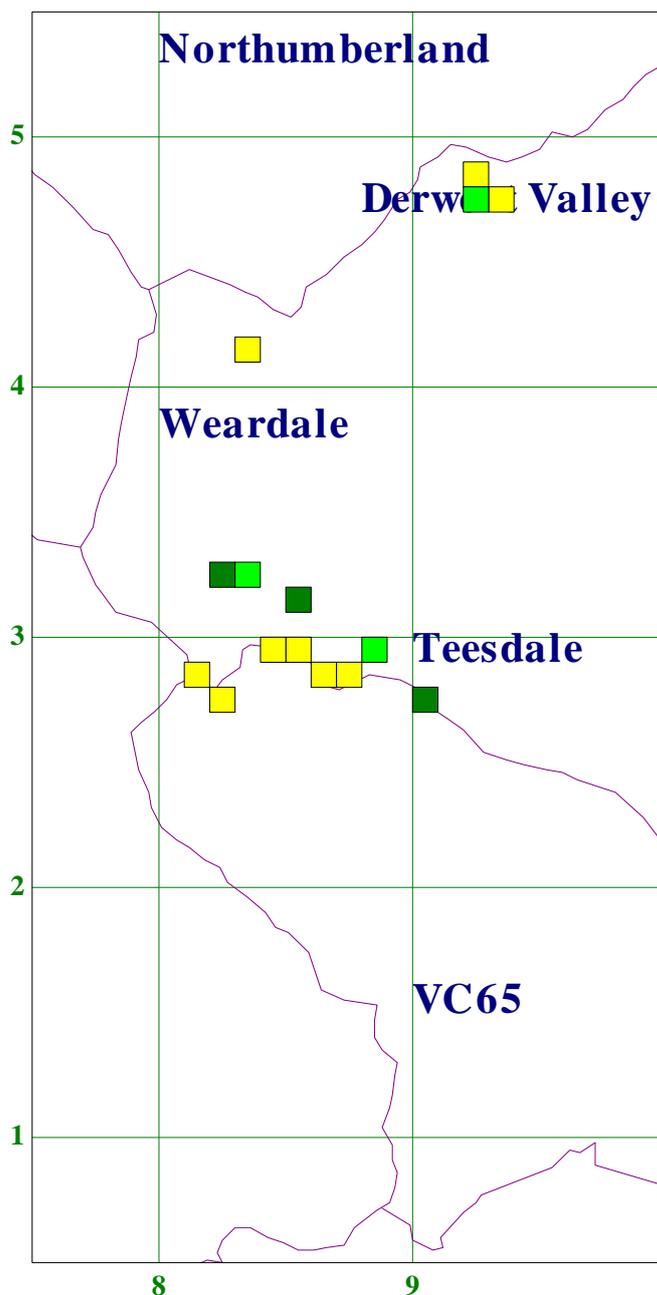
Pseudorchis albida
Small White Orchid

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 Tees	John O'Reilly
2009	NY853308	Langdon Beck	Natural England
Jun-95	NY9247	Nookton	Loring, J.

Pseudorchis albida



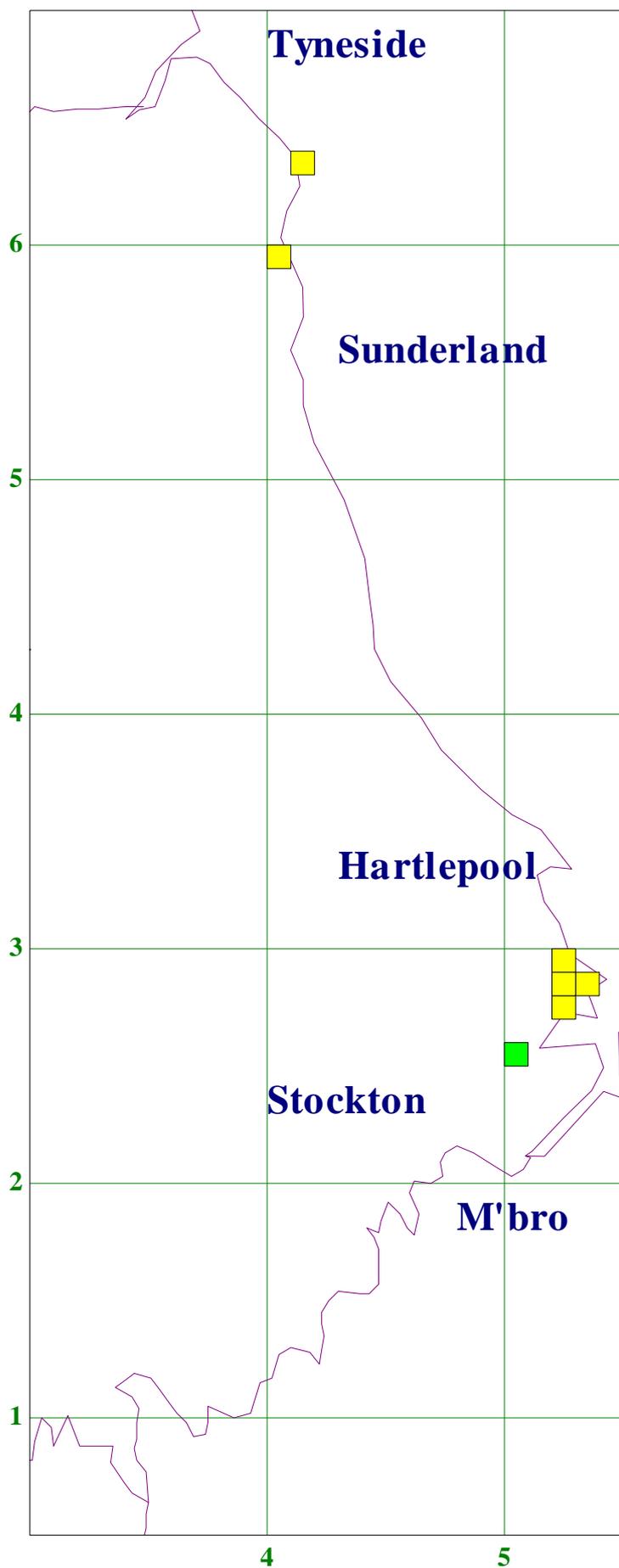
***Puccinellia rupestris* Stiff Saltmarsh Grass**

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



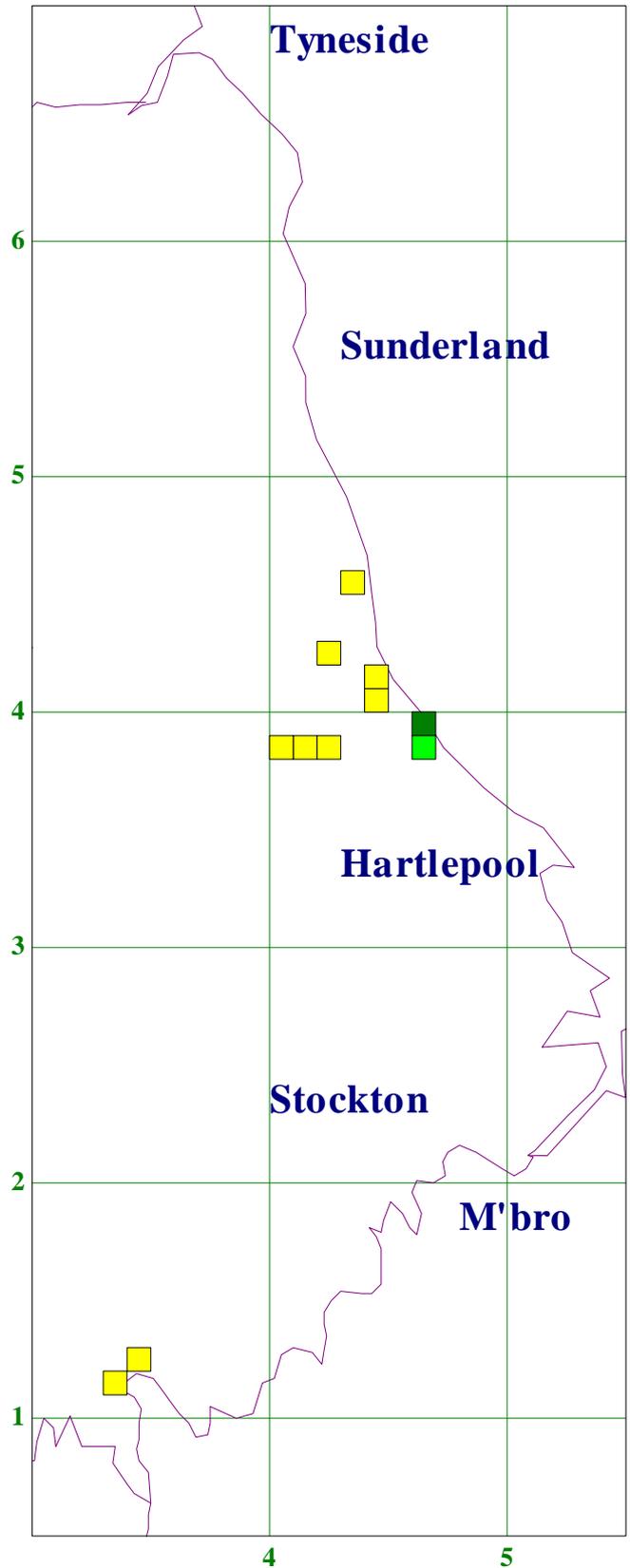
Pyrola media Intermediate Wintergreen

National Status Vulnerable
 County Status Rare

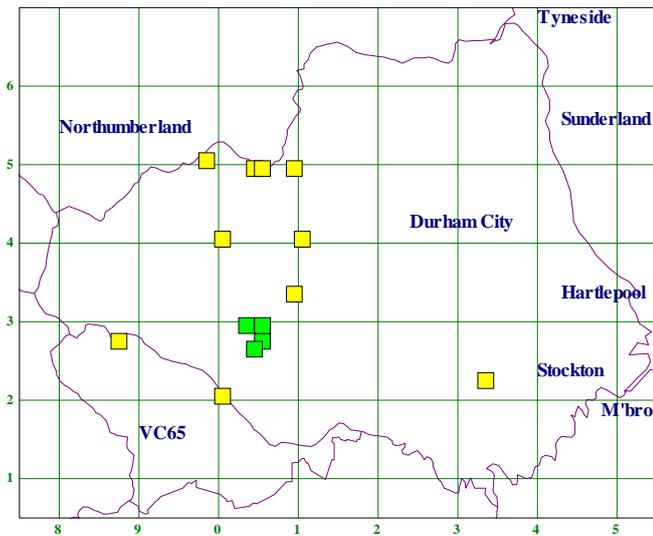
All of the most recent records are from a cluster of sites in Hamsterley Forest..

16-Jul-94	NZ037294	Euden Beck	GGG
Feb-92	NZ041268	Hamsterley Forest LWS 6.25 Spurlwood Beck	Valerie Standen
Feb-92	NZ050293	Hamsterley Forest LWS 6.25	Valerie Standen
Feb-92	NZ053277	Hamsterley Forest LWS 6.25	Valerie Standen
Feb-92	NZ057293	Hamsterley Forest LWS 6.25	Valerie Standen

Pyrola rotundifolia



Pyrola media



Pyrola rotundifolia Round-leaved Wintergreen

National Status Near Threatened
 County Status Rare

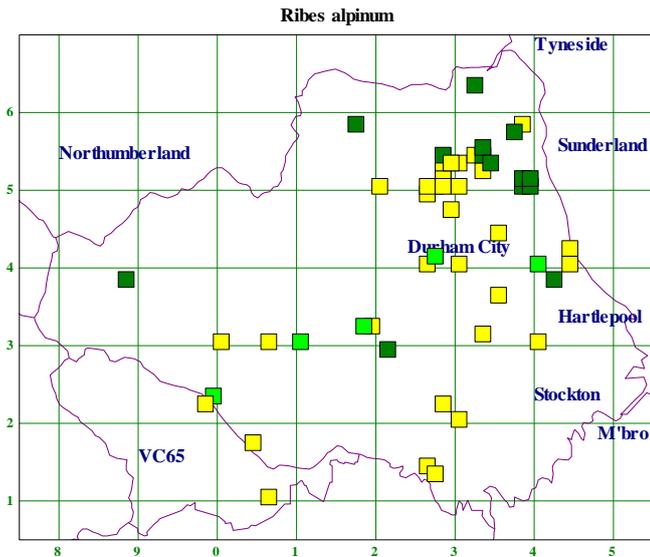
Rare, all of the records are from Castle Eden Dene and the nearby coast. Some older inland records may have been of other species of *Pyrola*.

28/05/03	NZ465395	Blue House Gill	A & G Young
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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.

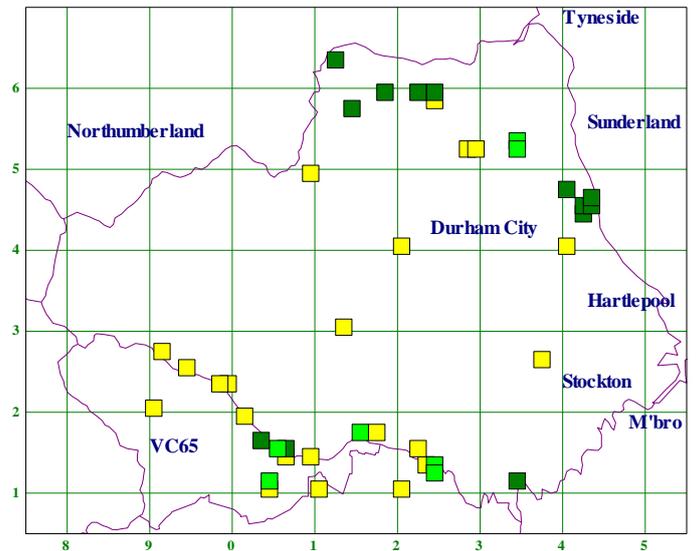


Ribes spicatum **Downy Currant**

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.

Ribes spicatum



01/09/10	NZ1263	Bradley Dene	J L Durkin
01/05/00	NZ1457	Chopwell Crag	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.
2012	NZ3411	Dinsdale Wood	J L D
04/06/80	NY982237	Eggleston	GGG
Jul-80	NY982238	Eggleston	GGG
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.
15/06/83	NY943253	Middleton in T	Burnip, M.
13/05/92	NZ049111	Mill Wood, Brignall	N Sykes
14/05/81	NZ377261	New Homer Carr Plantation	Graham, Rev G G.
14/05/12	NZ227597	Ravensworth	J L Durkin
30/03/92	NZ3453	Foxcover Ptn	GGG
Sep-91	NZ0515	Teesbank Woods, Rokeby, LWS 6.38	Valerie Standen
08/05/98	NZ151171	Winston	DTNFC

Ruppia maritima
Beaked Tasselweed

National Status None
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.
19/05/97	NZ52	Seaton Carew	McCutcheon DE
Jul-97	NZ36	South Shields	McCutcheon DE
1997	NZ412633	Whitburn	McCutcheon DE

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
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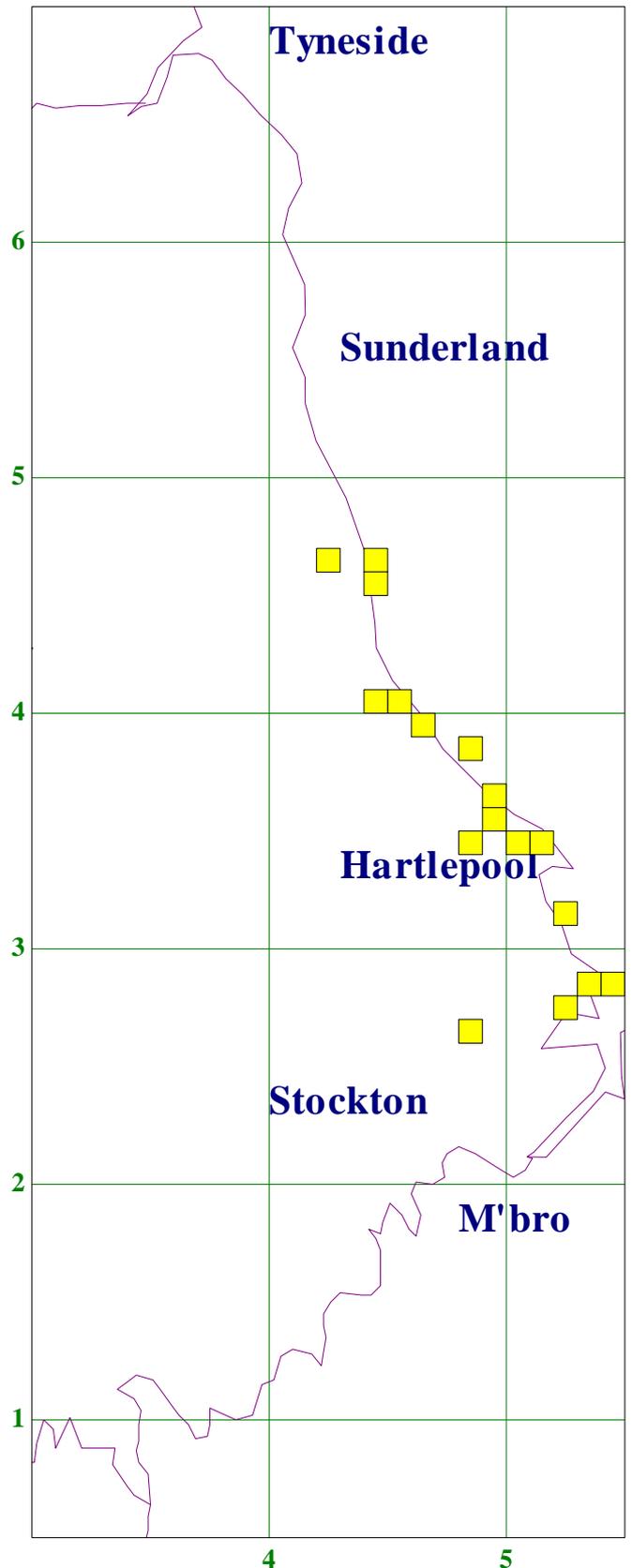
Salsola kali **Saltwort**

National Status Vulnerable
 County Status Declining

Formerly quite frequent along parts of the coast, but there are no recent records.

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

Salsola kali



Salvia verbenaca

Wild Clary

National Status None
 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.

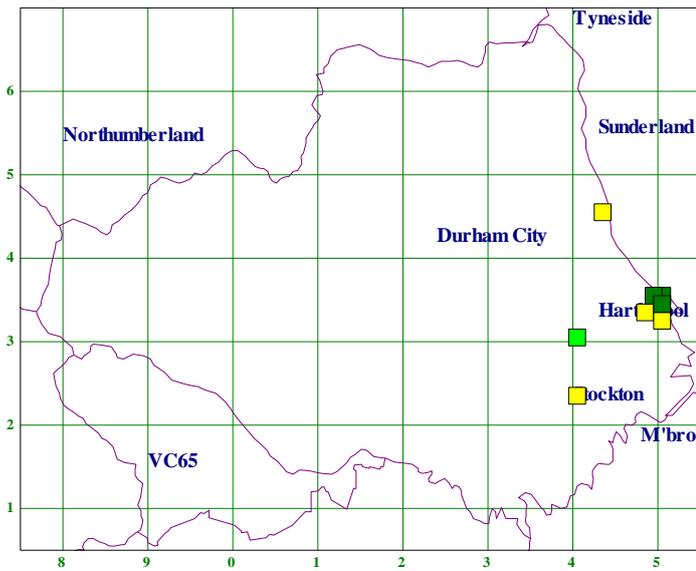
Samolus valerandi

Brookweed

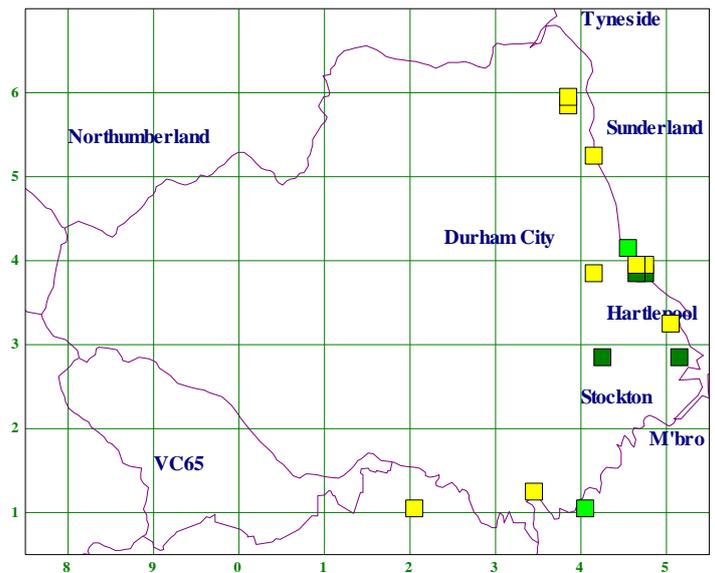
National Status None
 County Status Rare

26 Jun 1988	NZ4639	Blackhall Rocks	Alec Coles
28 Jun 1975	NZ473390	Blackhall Rocks	Rev G.G. Graham
11 Jul 1973	NZ473388	Blackhall Rocks	Groom R E
05 Jul 1975	NZ473389	Blackhall Rocks	Russell McAndrew
06 Jul 2007	NZ4745038448	Blackhall Rocks	A Hunter, C M Port and Dave Mitchell
22 Jul 1990	NZ4541	North Horden area	Dave Mitchell,
2010	NZ42J	NZ42J	Wildflower Ark
2009	NZ5128	Tofts Farm flush	Wildflower Ark

Salvia verbenaca



Samolus valerandi



Saxifraga hirculus Marsh Saxifrage

National Status Vulnerable
 County Status Rare

Rare in base-rich flushes in the uplands.

National Status Vulnerable
 County Status Rare

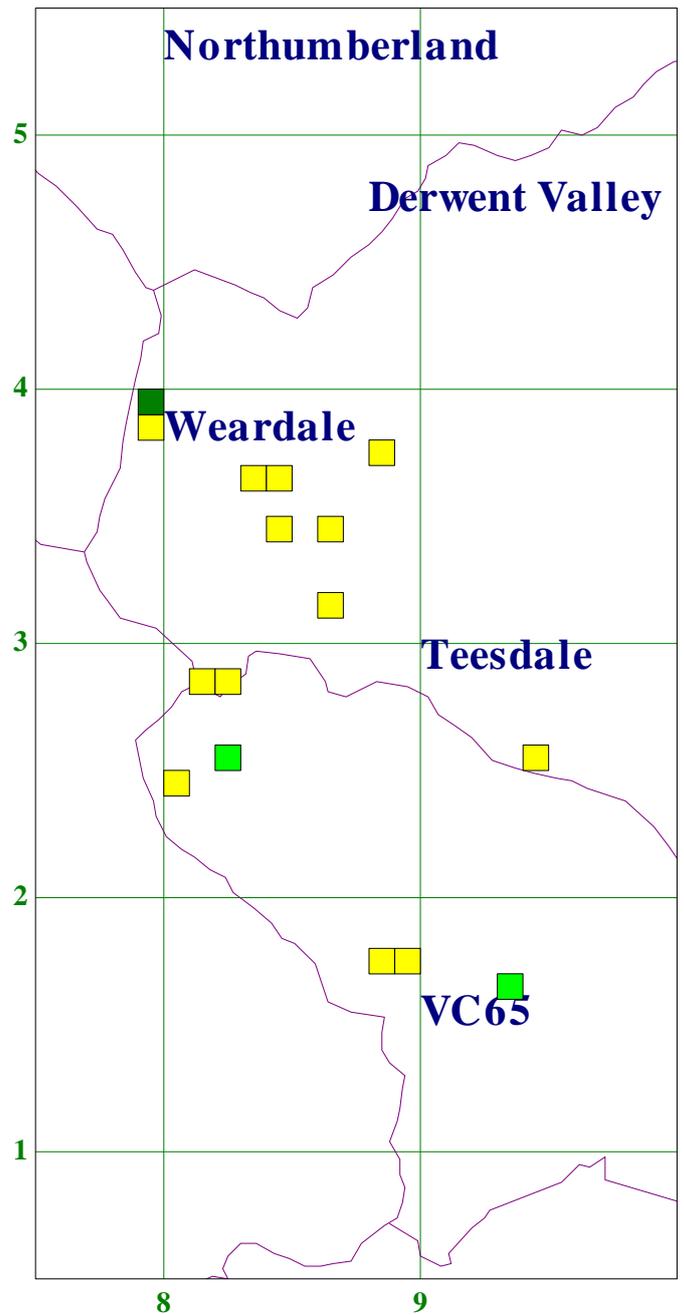
Rare in base-rich flushes in the uplands.

1992	NY9316	Cotherstone Moor	Horsfield D Graham K Webb M
19-Aug-80	NY793383	Dead Stones	GGG
1985	NY791387	Sallygrain Head	Horsfield D
01-Aug-00	NY794390	Sallygrain Head	Schober, M
15-Jul-27	NY8634	St Johns Chapel	Lousley J.E.
1986	NY8024	Mickle Fell	Findlay, I.
1994	NY820250	Mickle Fell	Findlay, I.



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.

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

National Status Critically Endangered
 County Status Extinct

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

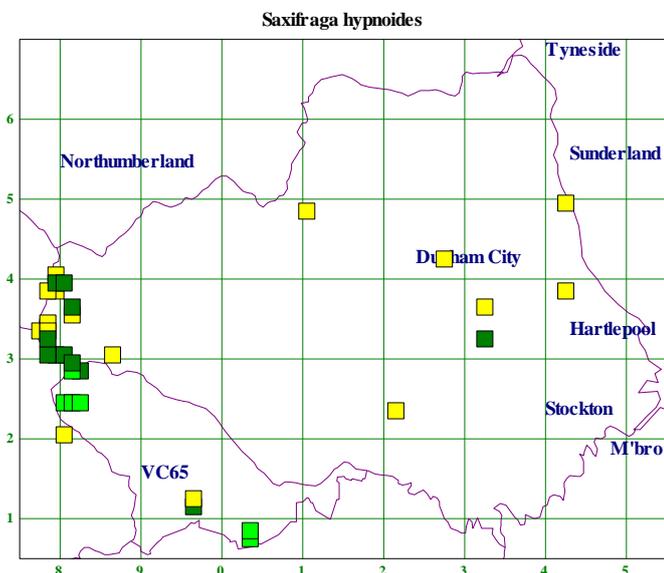
Aug 08	NY795318	Dubby Sike	J L Durkin
Aug 08	NY780344	Crook Burn	J L Durkin
1989	NY7930	Cow Green	Moira Owen
06/09/80	NY790390	Col N of Burnhope Head	GGG
06/09/80	NY790381	Burnhope Head	GGG
01/08/00	NY794390	Sallygrain Head	Schober. M
29/04/08	NY801390	Sally Grain	Andy Mclay
1990	NY8024	Mickle Fell top	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
1986	NY9612	Sleight-holme Beck Gorge SSSI	English Nature
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
30/03/80	NZ427497	Seaham	Burnip, M.

1982	NZ3442	Sherburn Hill	GGG
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***Scleranthus annuus* Annual Knawel**

National Status Endangered
 County Status Rare

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

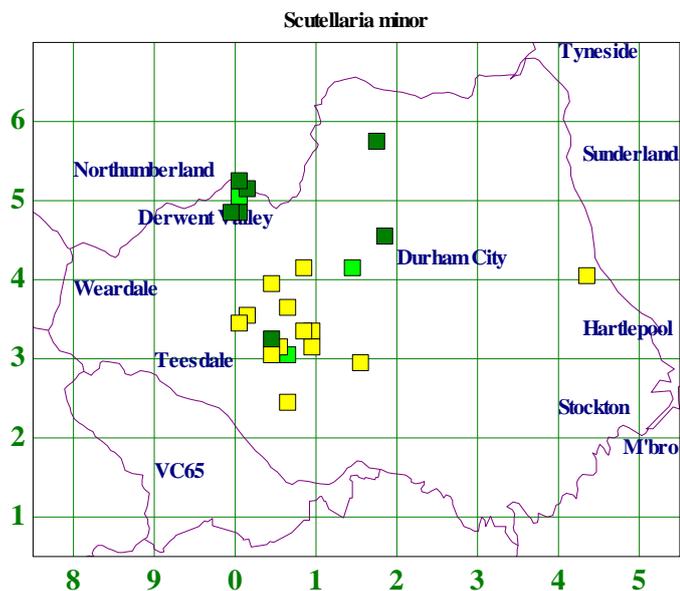


08/10/10	NZ16446344	Path Head Quarry	J L Durkin
	NZ16436343		
	NZ16616348		
23/05/04	NZ166636	Path Head Quarry	Mclay A
2008	NZ407641	Souter Lighthouse	A&G Young

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

Scutellaria minor
Lesser Skullcap

National Status None
 County Status Scarce



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	NZ007485	McCutcheon D.E.
30-Jul-08	NZ0151	Pow Hill Heath	Andy McLay
1986	NZ009517	Pow Hill SSSI	English Nature
02/08/86	NZ069304	Bedburn Beck	Graham, Rev G.G.
1983	NZ043393	Thornhope Beck	McCutcheon, D.E.

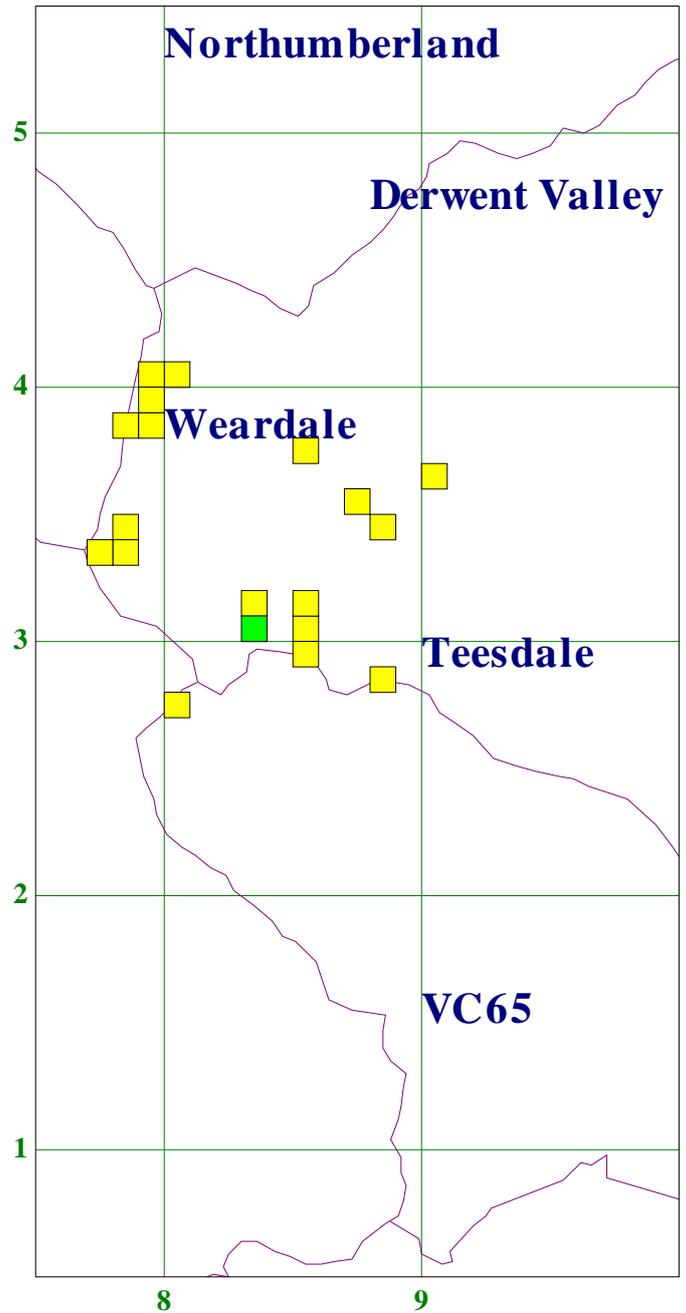
***Sedum villosum* Hairy Stonecrop**

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



Sesleria caerulea

Blue Moor Grass

National Status Scarce
 County Status Found in 69 tetrads.

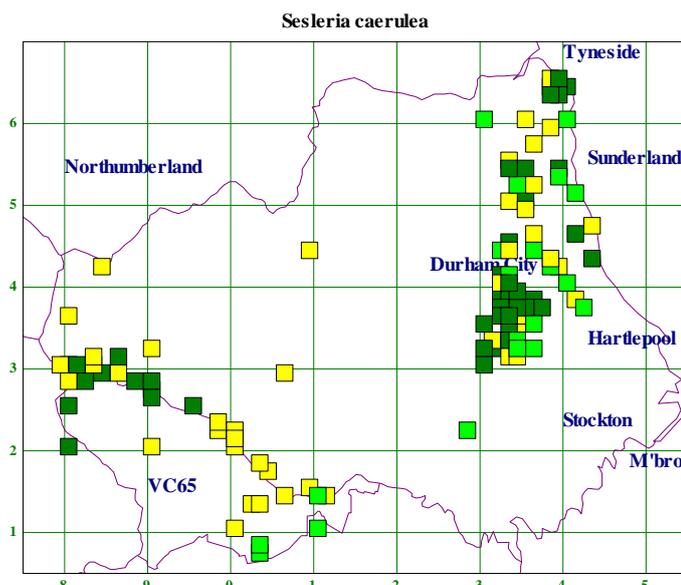
Frequent both on the carboniferous limestone of Teesdale and on the magnesian limestone of lowland Durham.

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



Magnesian Limestone sites

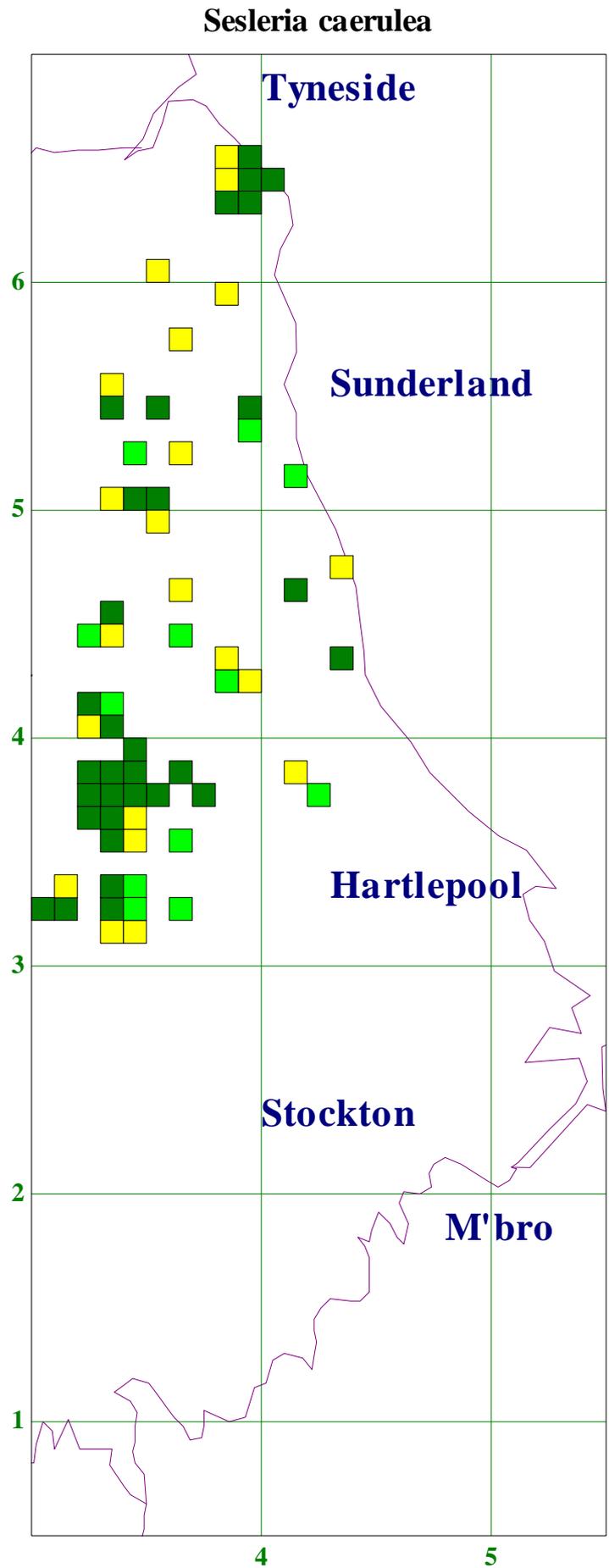
14-Jun-05	NZ3638	A181 at Wheatley Hill bypass, north side	John Durkin and Julie Stobbs
15-Jun-05	NZ345396	A181, Signing Bank, central reservation	M Appleby, P Hannaby, A Lees, J Stobbs
15-Jun-05	NZ342398	A181, Signing Bank, north verge.	Julie Stobbs and Paul Hannaby
Jul-91	NZ281220	Aycliffe Quarry CWS 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, east verge alongside reserve.	John Durkin
15/07/10	NZ341383	Cassop Quarry	A McLay
22/07/08	NZ321386	Cassop Vale	Alison Hiles
29/04/07	NZ340383	Cassop Vale	DTNFC
15/07/10	NZ336383	Cassop Vale	A McLay
	NZ339382	Cassop Vale SSSI	John Liam Durkin
NZ343383			
29/06/09	NZ338387	Cassop Vale	Alison Hiles
05-Aug-70	NZ413388	Castle Eden	GGG
1984	NZ412387	Castle Eden Dene NNR	English Nature



1988	NZ3657	Claxheugh Rock & Ford Limestone Quarry SSSI	Mitchell, Mr D.N.
25-Apr-06	NZ412463	Cold Hesledon, east verge limestone exposure.	John Durkin and Julie Stobbs
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
1992	NZ3632	Fishburn Grassland SSSI	English Nature
1987	NZ3859	Fulwell and Carley Hill Quarries SSSI	English Nature
29-Jun-06	NZ339333	Garmonds-way Moor Quarry	Andy Mclay
Jul-91	NZ339334	Garmonds-way Moor Quarry CWS 7.13	Valerie Standen
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
1983	NZ3652	Herrington Hill SSSI	English Nature
29/05/88	NZ334456	High Moorsley quarry	Coles, A.
28/06/07	NZ333455	High Moorsley quarry	Alex Staddon
06-Aug-80	NZ344505	Houghton Cut	GGG
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	A & G

		Quarry	Young
28/06/10	NZ4064	Marsden Lime Kilns	Julia Quinonez
11-Sep-80	NZ345319	Merry Knowle Quarry CWS 7.5	Graham, Rev G G.
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.
1992	NZ365444	Pig Hill SSSI	English Nature
20-Jun-92	NZ3244	Pittington	Boyce, R.
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
11-Aug-09	NZ335355	Raisby Hill Grassland SSSI	John Liam Durkin
10/07/07	NZ337355	Raisby Hill Grassland SSSI	CM Port and R Jackson
18-May-80	NZ329386	Red Briar Bank, Quarrington Hill	GGG
11-Aug-09	NZ318324	Rough Furze Quarry CWS 7.27	J L Durkin
22-Aug-06	NZ334403	Running Waters Quarry	Andy Mclay
2010	NZ419519	Ryhope Denemouth	J L Durkin
18-Aug-92	NZ413465	Seaham	GGG
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-Jul-80	NZ318327	Thrislington	GGG
28-Jun-80	NZ318330 NZ319329 NZ319331	Thrislington	Graham, Rev G.G.
10-Jun-07	NZ3132	Thrislington	A & G Young

12-Aug-09	NZ3537	Town Kelloe Bank SSSI	Hunter, Amanda
1992	NZ3635	Trimdon Quarry SSSI	English Nature
1992	NZ395538	Tunstall Cutting	Graham, Rev G.G.
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	NZ40116441	Whitburn Golf Course	HS/FC for E3 Ecology
19-Jun-04	NZ3737	Wingate Quarry	A & G Young

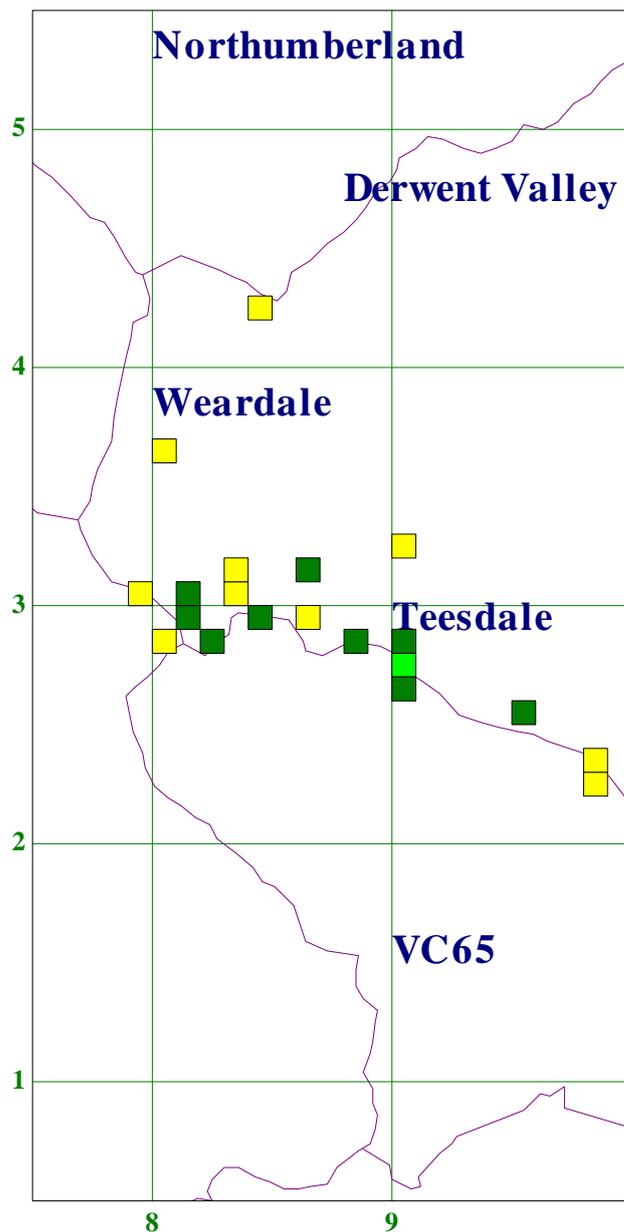


Dales sites

1989	NY7930	Cow Green	Moira Owen
30-Jun-06	NY8429	Cetry Bank	Wood, D & Woods, M
02-Jul-06	NY8328	Cronkley Fell	J & C O'Reilly
29-Jul-80	NZ003218	Great Wood	GGG
30-Jun-06	NY8828	High Force	Wood, D & Woods, M
1986	NZ0213	Kilmond Scar	English Nature
	NZ0313	SSSI	
19-Jun-03	NY8631	Langdon Beck	Schober, M
29-Jul-80	NZ003218	Great Wood	GGG
21-May-08	NY8166 2943	Red Sike	A & G Young
21-Jun-05	NY903280	Winch Bridge	Wild Flower Society
21-May-08	NY8150 3042	Slapstone Sike	A & G Young
1991	NZ033076	The Stang, Hope Scar, CWS 6.6	Moira J. Owen
1991	NZ037081	The Stang, Hud Scar, CWS 6.6	Moira J. Owen
10-Apr-93	NZ111145	Whorlton	GGG
2010		Winch Bridge Craggs	J L Durkin
28-May-06	NY904270	Winch Bridge	J O'Reilly
17/04/11	NZ0120	Woden Croft	B Johnson



Sesleria caerulea



Silene noctiflora

Night Flowering Catchfly

National Status Vulnerable
County Status Extinct

National Status None
County Status Rare

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

1999	Cleadon Hills	NZ3863	Boyce, Mr R.
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Silene uniflora

Sea Campion

National Status None
County Status Rare

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

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.

No recent records

Sison amomum

Stone Parsley

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.

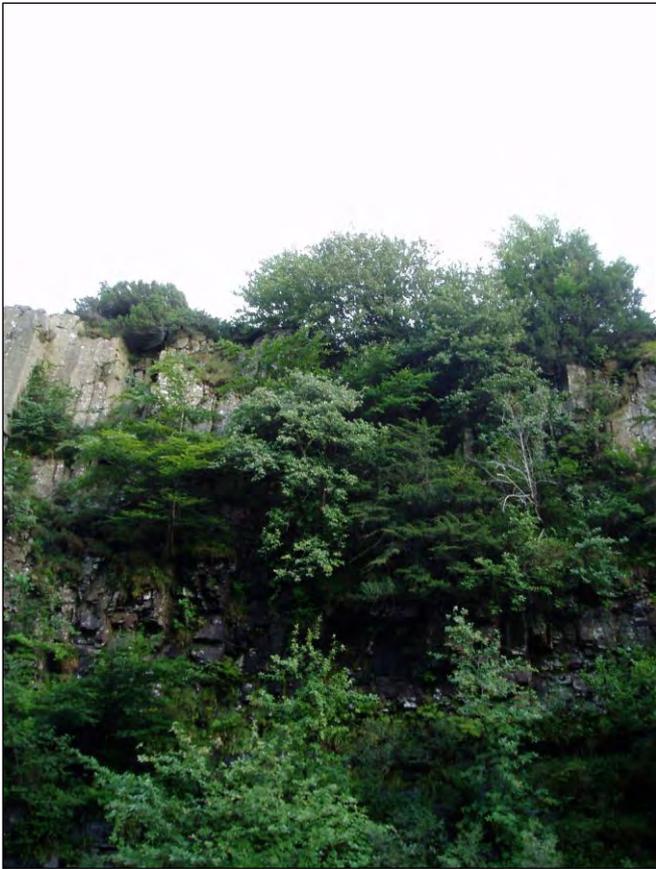
Crags below Winch Bridge. This is the main site on the vc66 side, with 40 plants. Access to the trees here is feasible when the river is low. They can also be viewed from the vc65 side of the river. There is a single, much larger tree on the south side.

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



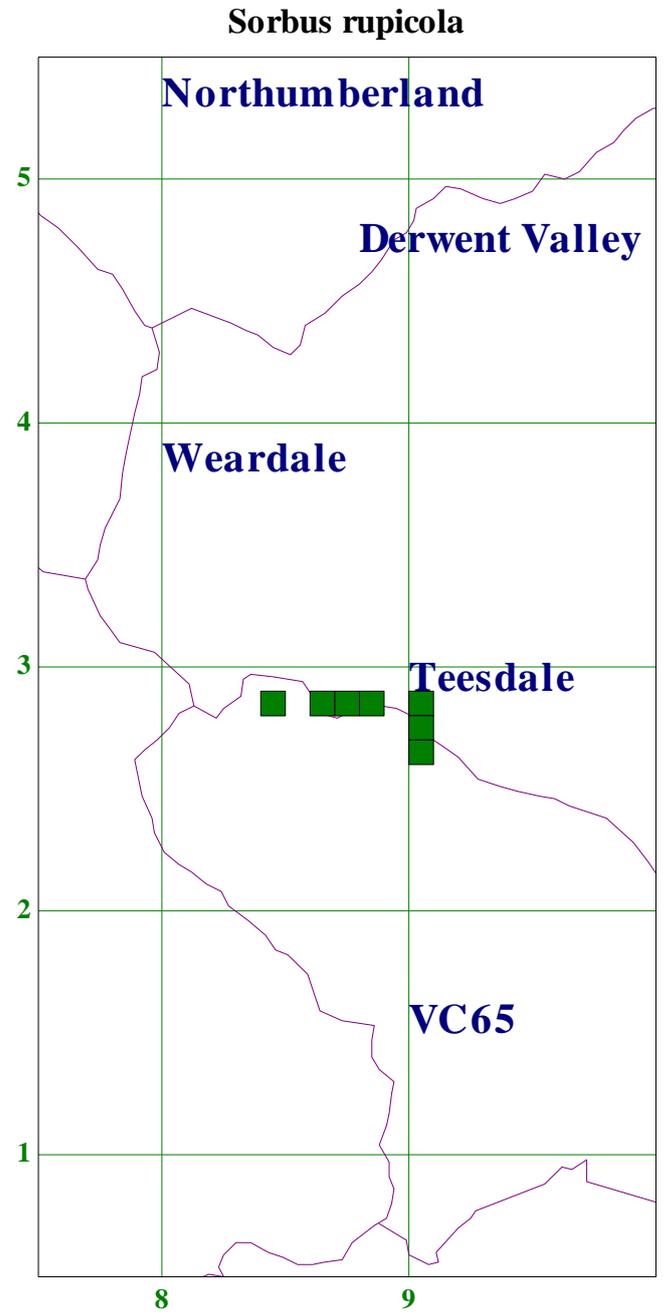
Rock Whitebeams, vc65 below High Force.



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 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 pallida
Lesser Chickweed

National Status None
County Status Scarce, declining.

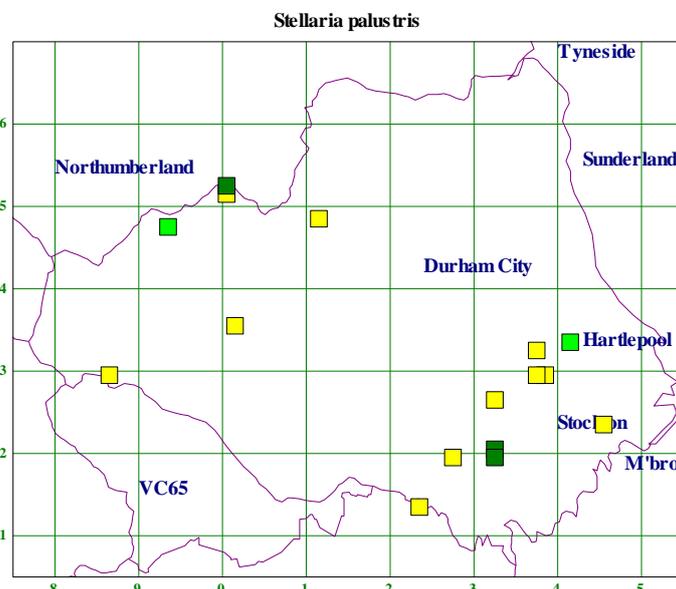
No recent records.

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 palustris Marsh Stitchwort

National Status Vulnerable
County Status Rare

Mainly in the River Skerne lowlands.



21 Sep 1981	NZ277196	Coatham Grange Marsh	Graham, G.G.
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.
14 May 1981	NZ379294	Redcar Carrs	GGG

***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, and 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.

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

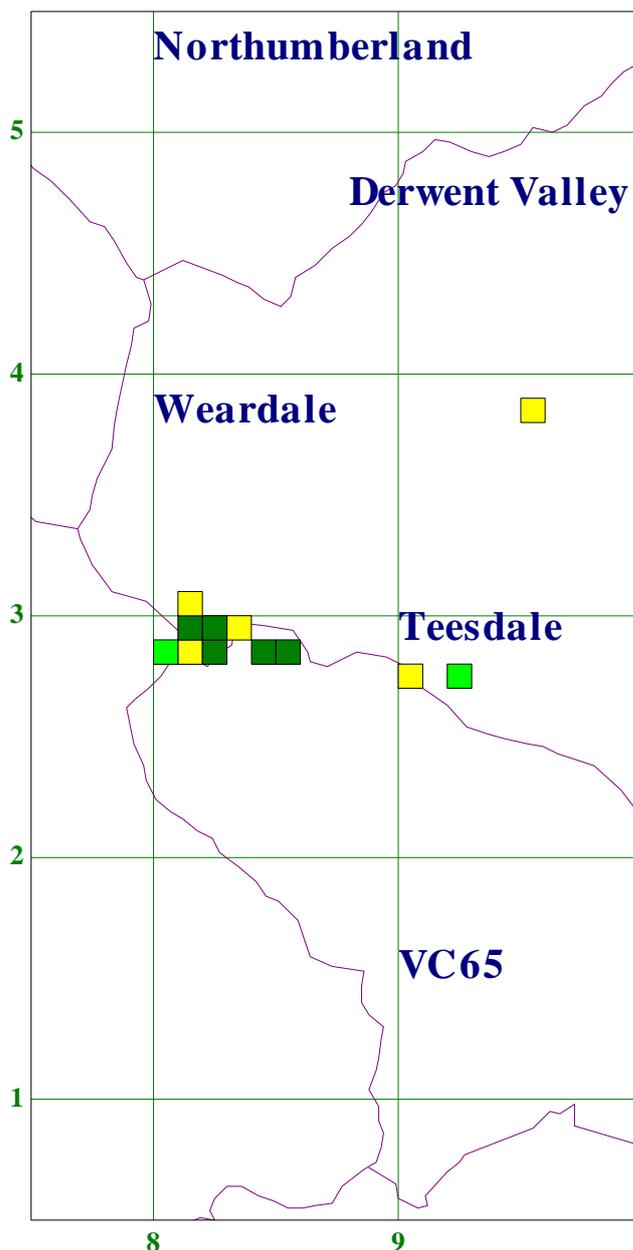
Thalictrum alpinum
Alpine Meadow Rue

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.
1976	NY813294	Widdybank Fell	M Bradshaw & Alison Jones
	NY813295		
	NY813296		
	NY814294		
	NY814295		
	NY814296		
	NY815294		
	NY815295		
	NY815296		
	NY814299		
	NY815299		
	NY819290		
	NY818290		
	NY818291		
	NY816292		
	NY820288		
	NY821288		
	NY821289		
	NY819289		
	NY818289		
15/09/09	NY824295	Above Wild Scar	M Schober

Thalictrum alpinum



Tilia platyphyllos **Large Leaved Lime**

National Status Scarce
 County Status Scarce, planted

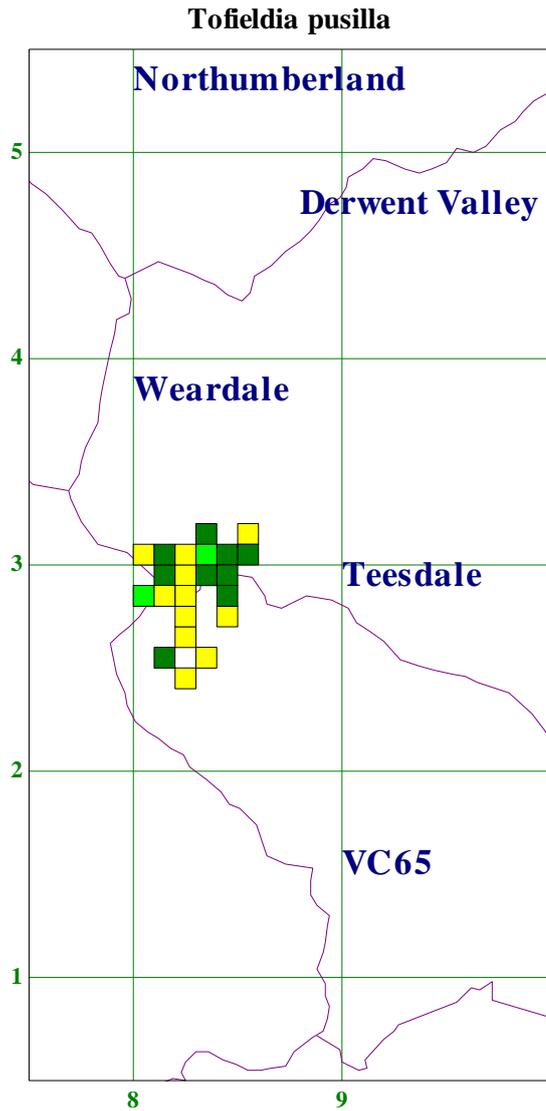
There are planted trees in a number of woodlands, for example at Rowlands Gill, Chester Dene, Ray Gill Wood and Hawthorn Dene. There is an old multi-stemmed tree on the riverbank at Winlaton Mill.

***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.
1976	NY809303	Widdybank Fell	M Bradshaw & Alison Jones
	NY813294		
	NY813295		
	NY813296		
	NY814293		
	NY814294		
	NY814295		
	NY814296		
	NY815292		
	NY815293		
	NY815295		
	NY815296		
	NY818290		
	NY819289		
	NY819290		
	NY820288		
NY820289			
NY821289			
NY821290			
03-Jul-09	NY8331	Widdybank Fell	M Schober
10/09/13	NY8151 3043	Slapstone Sike	J L Durkin and SNH
	NY8150 3043		
	NY8150 3042		
15-Sep-81	NY846302	Widdybank Pasture	Graham, Rev G G.
2008	NY837299	Widdybank Pasture	Jeremy Roberts
	NY847304		
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon D.E.

Torilis nodosa **Knotted Hedge-Parsley**

National Status None
County Status Scarce

Turritis glabra **Tower Mustard**

National Status Endangered
County Status Extinct

There are no recent records.

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

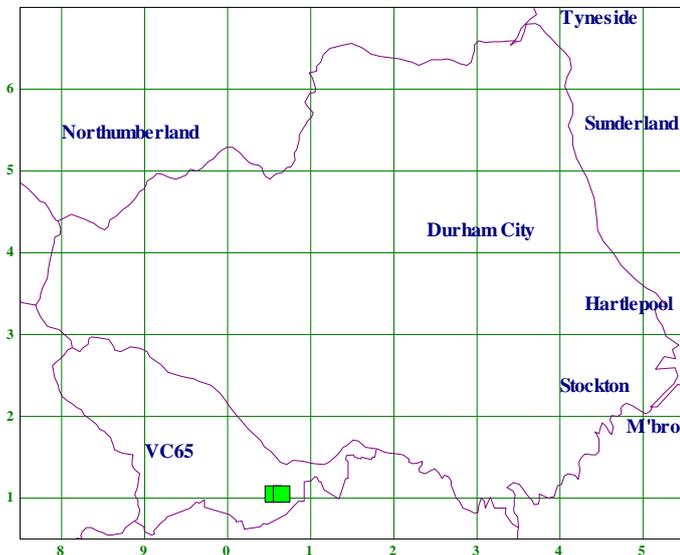
Trichomanes (Vandenboschia) speciosa
Killarney Fern

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	NZ055103	Hening Wood, Brignall Banks	A D Headley

Trichomanes speciosum



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.

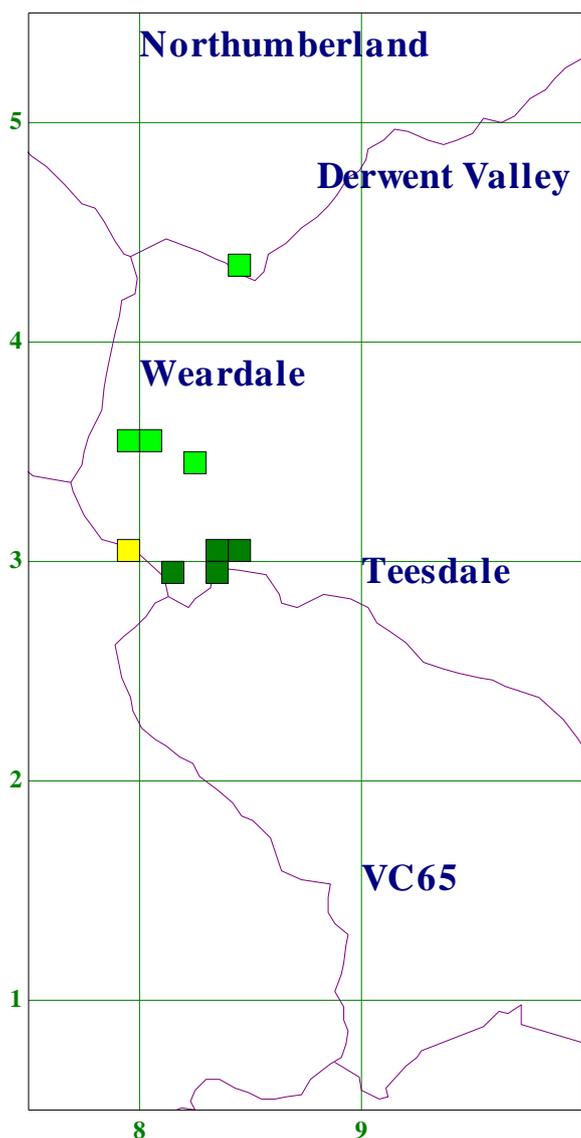
Species

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

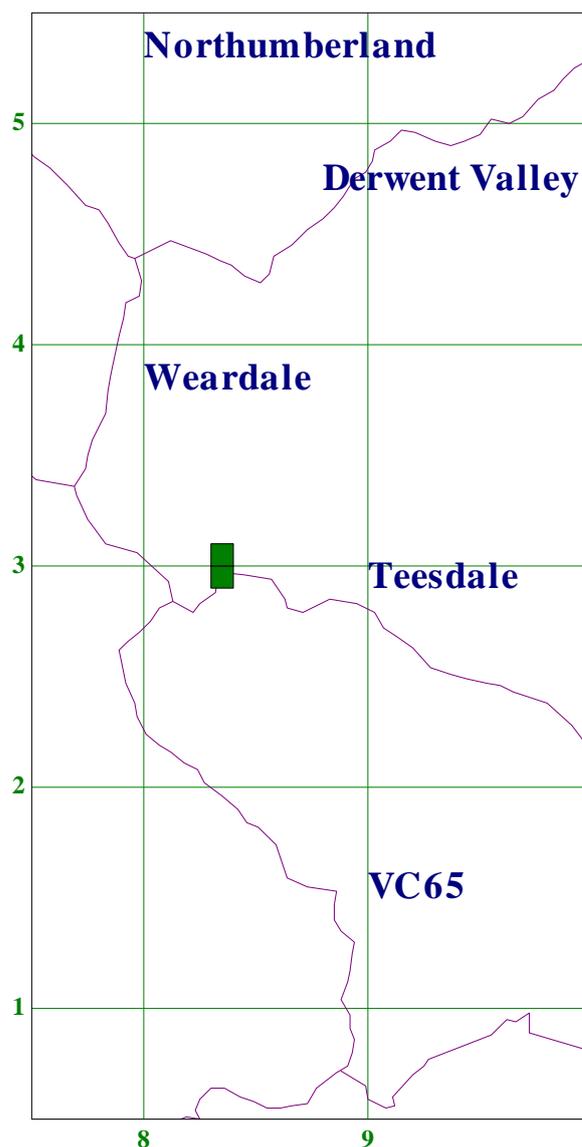
Hybrid

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

***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.

***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.

***Valerianella dentata* Narrow-fruited Cornsalad**

National Status Endangered
 County Status Rare

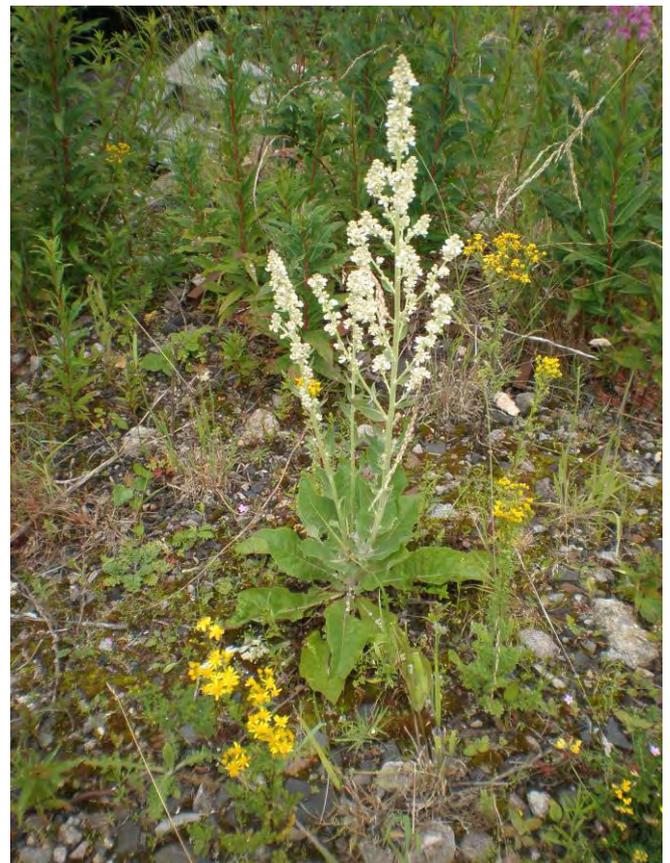
The most recent record is in 1974.

11/09/74	NZ363145	High Goosepool	Burnip, M.
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***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 anagallis-aquatica
Blue Water-speedwell

National Status None
 County Status Scarce, declining as a native, but often planted.

Planted sites now (2013) take this species out of the RPR criteria. This is the case with several aquatic species.

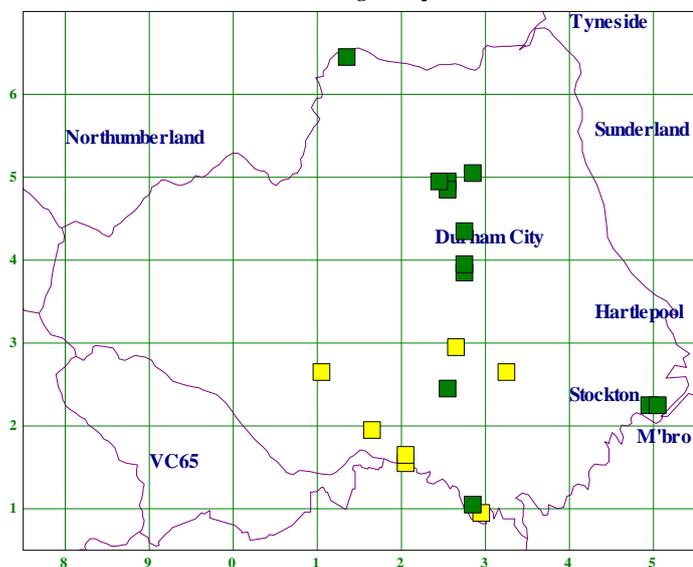
Vicia lathyroides **Spring Vetch**

National Status None
 County Status Rare

02 May 1972	NZ499356	Hartlepool North Sands	McAndrew, RT
02 May 1972	NZ502352	Hartlepool Slake	GGG
30 Jul 2000	NZ5328	Seaton Sands	DTNFC

09 Jul 2007	NZ1364	Clara Vale Nature Reserve	Pollinger, Mr. B.
15 Jun 2004	NZ249491	Waldrige Fell Ponds	John Durkin
2006	NZ25074902	Daisy Hill, N to S, 4 th	John Durkin
2006	NZ25094898	Daisy Hill, N to S, 6th	John Durkin
2006	NZ25114894	Daisy Hill, N to S, 7th, =big pond	John Durkin
01 Jul 2004	NZ257242	School Aycliffe LNR	John Durkin
21 Jun 2011	NZ2738	Butterby Oxbow SSSI	John Durkin
21 Jun 2011	NZ2739	Butterby Oxbow SSSI	John Durkin
2004	NZ2743	Barkers Haugh, long pond	John Durkin
21 Jul 2009	NZ2810	Hell Kettles	Simpson, Gordon and Dyke, Judith
2008	NZ284500	Chester le Street riverside pond	John Durkin
28/08/08	NZ4922	Haverton Hill	John Durkin
28/08/08	NZ5022	Saltholme Pools	John Durkin

Veronica anagallis-aquatica



Vicia sylvatica

Wood Vetch

National Status
County Status

None
Scarce, declining.

Viola canina

Heath Dog Violet

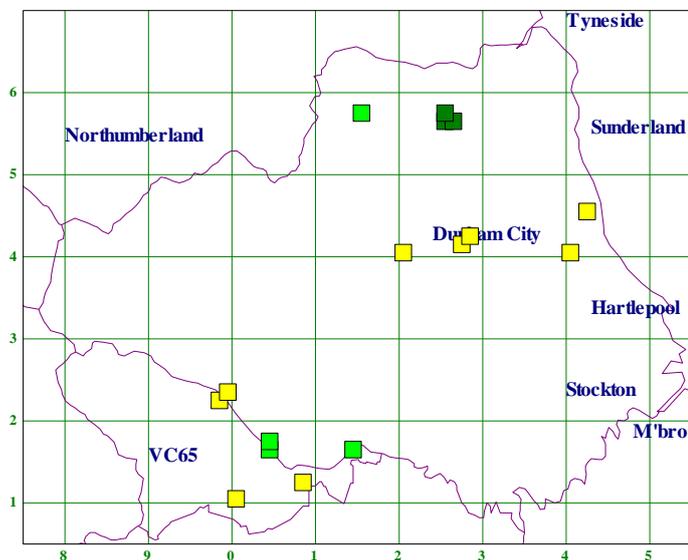
National Status
County Status

Near Threatened
Scarce

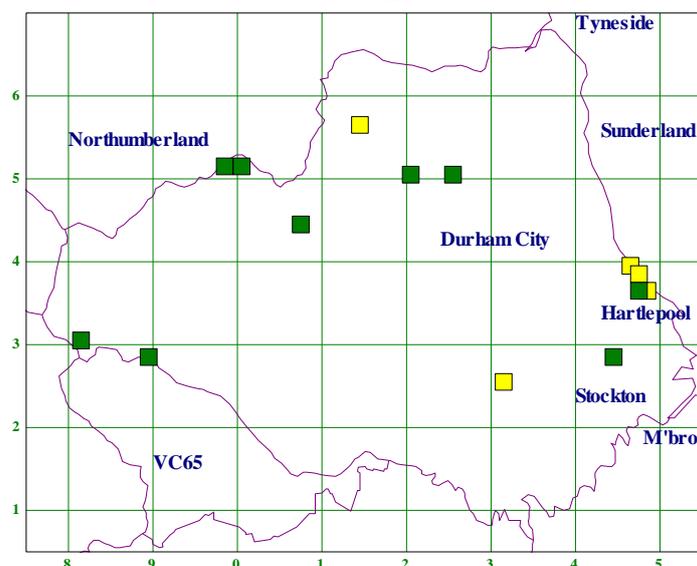
10-Jun-98	NZ142162	Winston Bridge	DTNFC
2012	NZ047171	Flatts Wood	Fal Sarker
02-Jul-92	NZ044170	Flatts Wood	Peacock, H.
23-Jun-94	NZ046169	Flatts Wood	Sykes, M.
1991	NZ157575	Lintzford	Boyce, R.
1972	NZ2842	Pelaw Wood	Halfhide JE
15-Jul-09	NZ258571	Tyne Yard	J L Durkin
15-Jul-09	NZ260569	Tyne Yard	J L Durkin

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

Vicia sylvatica



Viola canina



***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.

***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.

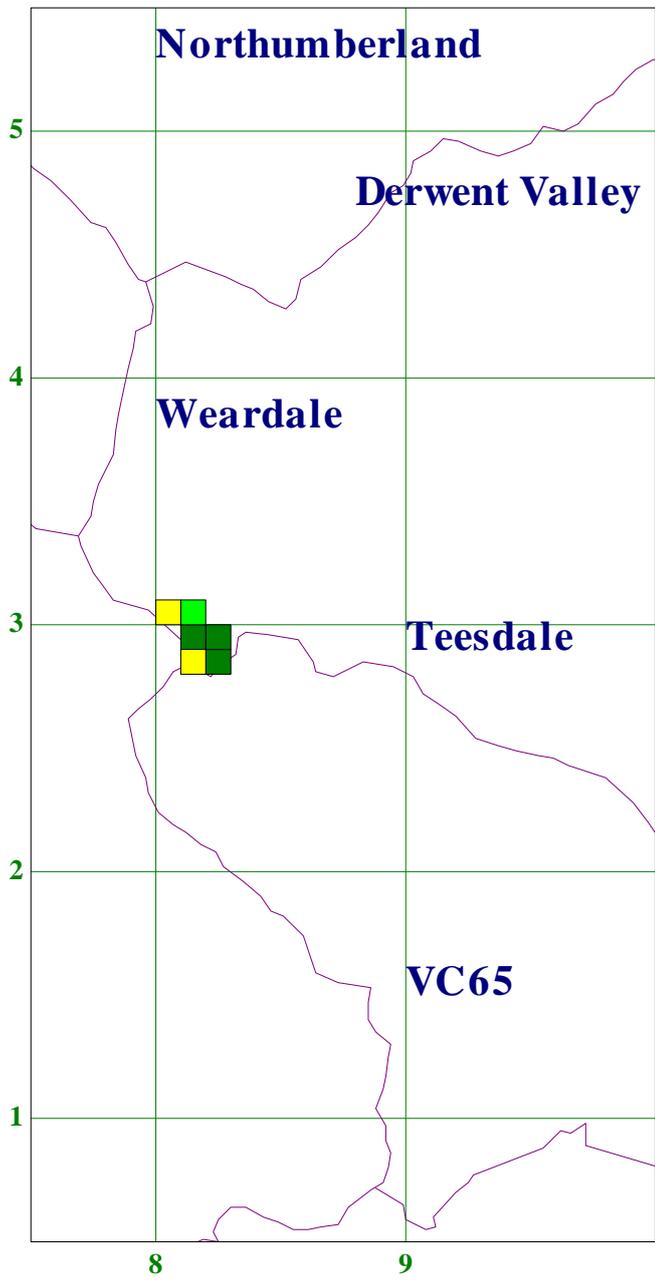
On the sugar limestone at Widdybank Fell with the *rupestris* parent. There are no recent records.

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

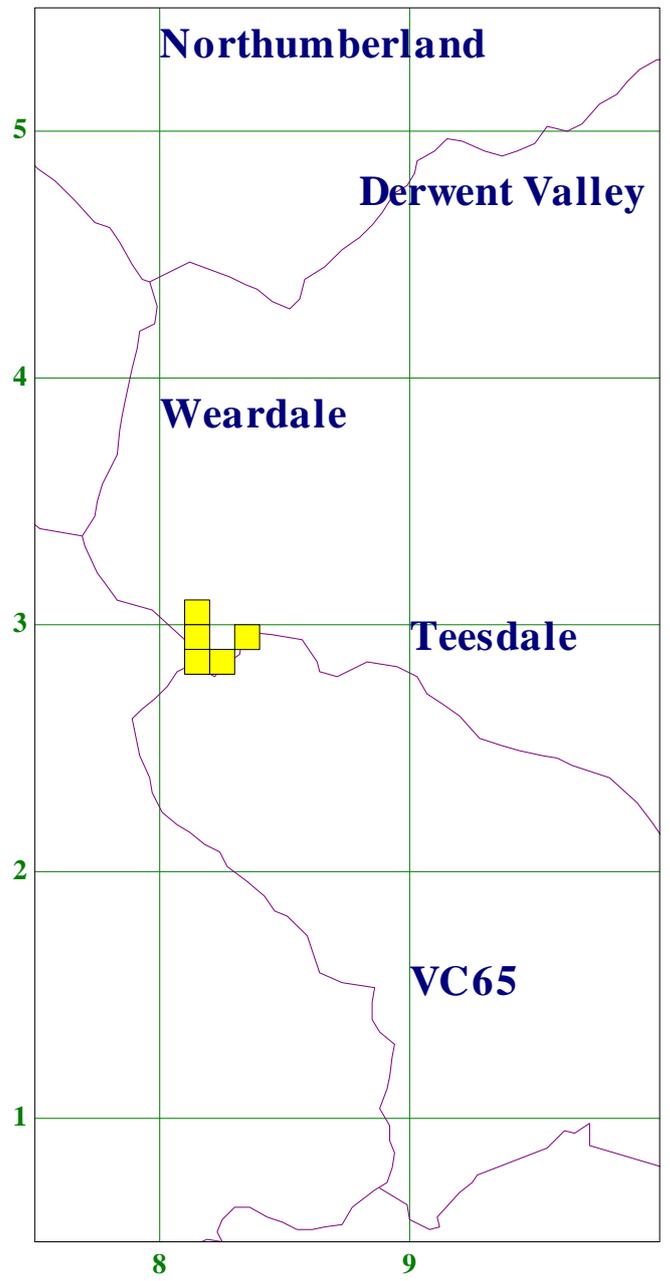
21/05/08	NY817296	Cow Green Nature Trail, Exclosure	Ann & Gordon Young
Jul-05	NY820281	Falcon Clints	J L Durkin
1995	NY8130	Rod's Vein	Findlay, I.
01-Jul-06	NY819291	Widdybank Fell	Wood, D& Woods, M
02-Jul-93	NY8229	Widdybank Fell	Wood, Mr D.C.
21/05/08	NY81812938	Widdybank Fell, clearing up from Red Sike	Ann & Gordon Young
15/09/09	NY824295	Above Wild Scar	M Schober
1976	NY810302	Widdybank Fell	M Bradshaw & Alison Jones
	NY810303		
	NY811302		
	NY812302		
	NY814296		
	NY814297		
	NY815295		
	NY815296		
	NY815297		
	NY816294		
	NY817290		
	NY817291		
	NY818289		
	NY818290		
	NY818291		
	NY819289		
	NY819290		
	NY820288		
	NY820289		
	NY821288		

1977	NY8329	Widdybank Farm	Bradshaw, Dr ME
1976	NY814297	Widdybank Fell	M Bradshaw & Alison Jones
	NY810302		
	NY810303		
	NY820288		
	NY820289		
	NY819289		
	NY818290		

Viola rupestris



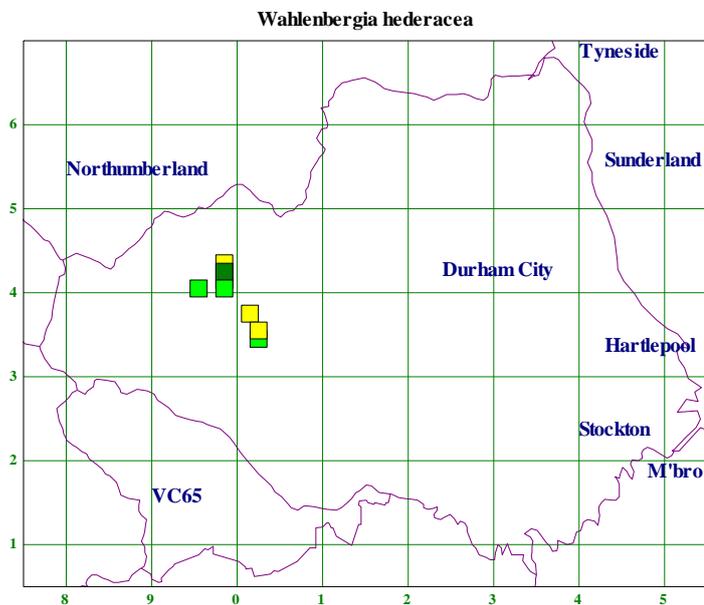
Viola x burnatii



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	NY985419	Stanhope Burn	Andy Mclay
	NY985421		
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

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.

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

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



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