

North Northumberland Vice County 68

Scarce, Rare & Extinct Vascular Plant Register

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These records have been selected from the databases held by the Botanical Society of the British Isles.

The records that form the basis for this work were made by botanists, most of whom were amateur and some of whom were professional, employed by government departments or undertaking environmental impact assessments.

This publication is intended to be of assistance to conservation and planning organisations and authorities, district and local councils and interested members of the public.

My thanks go to all those who have contributed records over the years, but particularly to Prof. G.A. Swan, whose herculean efforts in recording the flora of Northumberland formed the foundation upon which this work is built. Andrew Craggs and Hazel Hall helpfully commented upon the draft. Any remaining errors are of course, entirely my own.

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Introduction

This *Register* is intended to record details of the occurrence of rare plants in Vice County 68, North Northumberland. It has been produced as part of a national initiative based on the Botanical Society of the British Isles (BSBI) vice-county system.

The BSBI recording strategy is focussed on recording cycles of ten years, the last complete cycle finishing on 31st December 2009. The Register is intended to provide a snapshot of the distribution of rare plants up to that date. It must immediately be said that many of the records are old, and at low (10km or 5km) resolution. However it was considered important to provide a document at this stage, albeit in the case of many species, of limited value, partly to provide a springboard for further recording.

Two main uses are envisaged for the *Register*. Firstly to indicate and provide information on those species at risk and requiring protection; secondly, to provide a baseline in order that as detailed surveying increases over the Vice County, changes in the occurrence and distribution over time of these plants can be ascertained.

The botanical and common names are those used by Stace (2010). Species are arranged in alphabetical order.

Criteria for inclusion in the *Register*.

The principal criteria used for inclusion in the main portion of the *Register* are:

a) International Criteria. Native and archeophyte vascular plant species that are currently internationally rare. These are species which:

- Are endemic to Britain (a list is available in Cheffings & Farrell 2005);
- Are of restricted distribution internationally. These are as listed/occurring in EC Habitats and Species Directive Annex IIb, IVb or Vb; or Appendix I of the Bern Convention or Appendix I or II of CITES;

b) National Criteria. Native and archeophyte vascular plant species that are currently scarce or rare in Britain. These are species which:

- Are listed in Schedule 8 of the Wildlife and Countryside Act 1981;
- Are listed as occurring in IUCN categories CR (critically endangered), EN (endangered), VU (vulnerable) and NT (near threatened) in the British Red Data Books for vascular plants (Cheffings & Farrell 2005);
- Are nationally rare, occurring in 15 or fewer 10km squares in Britain;
- Are nationally scarce, occurring in between 16 and 100 10km squares in Britain.

c) **Local Criteria.** Native and archeophyte vascular plant species that:

- Are rare - present in 3 sites or fewer in the Vice County and do not fall into the above categories. In this context a 'site' is a discrete area within a moveable kilometre square, which seems at first glance to be slightly vague but in general is fairly easy to apply in practice;
- Are scarce - present in 4 -10 sites in the Vice County and do not fall into the above categories. Here there has been a degree of selection, necessary because of the small number of records overall, and the limits, particularly the upper limit, have not been strictly adhered to;
- Are extinct in the Vice County.

Native, is of course, a fugitive term. It has been taken here to mean "native in the UK" not necessarily in North Northumberland. This has meant the inclusion of many species, native elsewhere, which owe their presence in the Vice County to the mechanism of introduction. The only exception made is for those species which entirely owe their presence to their ability to escape "over the garden wall" or which have been deliberately planted. See "Exclusions" below.

Exclusions

In the great majority of cases, records which appear or are known to refer to planted specimens, have been excluded. The only exceptions are in cases where species have been planted on reserves or in other similar situations and the species is, or has been, known in the Vice County. In such cases the records have been included in order to record the fact of the planting. An appropriate note is made in the species account.

Hybrids have, at this stage, been omitted as their distribution is inadequately known in the Vice County at present. Microspecies of *Hieracium*, *Taraxacum* and *Rubus* are also omitted for the same reason.

The species of the *Dryopteris affinis* group are poorly known from the Vice County and at this stage are excluded from the list. Recent work in 2008-2009 suggests that *D. borrieri* is far the most common species and it may well be that *D. affinis* and *D. cambrensis* will qualify for inclusion once a full survey has been completed.

Historically, *Galeopsis bifida* and *Galeopsis tetrahit* have frequently been recorded as *G. tetrahit* agg. within the Vice County. Accordingly the distribution of the two species is quite unknown and whether either will qualify for inclusion in future must await a full survey.

Poa angustifolia occurs in three 10km squares in the Vice County, however no localised records have been found within the BSBI system. It is likely that it qualifies for inclusion in the Register, but confirmation awaits further recording effort.

W. Watts apparently recorded *Raphanus raphanistrum* subsp. *maritimus* on Holy Island in about 1970 (Swann 1993 at p134). The record has not been traced and is omitted pending clarification.

The nomenclature of *Sagina apetala* subspecies and related species has been a source of some confusion for a while. For many years *S. filicaulis* was regarded as a separate species, with *S. apetala* having two subspecies. *subsp. apetala* and *subsp. erecta*, both of which were common in North Northumberland. There is a single record of *S. filicaulis* from the Vice County dating from 1999. However the latest edition of Stace (Stace 2010) sinks *S. apetala subsp. erecta* into *S. filicaulis* and accordingly the 1999 record is now omitted from the *Register*.

All species of *Salicornia* have been omitted from the *Register* for the time being. The great majority of records for VC68 at at 10km or 5km resolution. It seems likely that *S. dolichostachya* and *S. europaea* will not fall to be included and that *S. fragilis* and *S. emerici* will. The position of *S. ramosissima* is unclear, although work on the species in 2008 and 2009 suggests that it may be commoner than was thought (or has perhaps expanded its range).

Sparganium angustifolium has been reported from Nelly's Moss Lakes near Rothbury, however later investigation suggested that all the specimens were in fact hybrids with *S. emersum*. (See Swan 1993 at p287). The plant is thus omitted pending further investigation.

Trichophorum germanicum is common in the Vice County. However, *Trichophorum cespitosum* appears to be possibly scarce (Swan 1993 at p289). Unfortunately there are no records referable to this species in the available BSBI holdings. Accordingly, and regrettably, the plant is omitted from the *Register* pending clarification.

The presence (or otherwise) of *Veronica serpyllifolia* subsp. *humifusa*, in the Vice County has been a matter of some discussion (see for example Swan 1993 at p214). The available records are all from the Cheviot and warrant further investigation. This subspecies is omitted at this stage.

Asplenium ceterach, *Ranunculus fluitans*, *R. hederaceus*, *R. pencillatus*, *Scrophularia umbrosa* and *Schoenus nigricans*, although listed in the Red Data Book for the Vice County (Kerslake 1998, 1999) have now been recorded at too many sites in North Northumberland to qualify for this *Register*.

Appendix A lists records of species which appear to have been recorded in error, or as planted species or garden escapes in the Vice County but which would otherwise be included.

Confidentiality.

Restriction of access to rare plant records is an issue which has caused much debate over the years. If detailed locations are given, plants may be at risk from collectors or even those who simply wish to photograph them but may damage plants by trampling. On the other hand, many more are at risk from neglect of habitat or potential development and if their locations are unknown their conservation becomes more difficult if not impossible. In general the policy in this Register is to give the fullest information. In one or two cases, where there has been a history, locally, of theft or damage, locations are given at a reduced (Normally 10km) resolution. These are highlighted in the species accounts. Full resolution information is available from the author on request.

All users of this *Register* are requested to respect the information provided, and to realise that many rare and scarce plants grow on private property. Many are also found on nature reserves where visitor pressure can be an issue. Courteous requests to landowners are almost always met with sympathy and national and local conservation organisations are usually only too pleased to show visitors plants of interest if spoken to in advance. In particular the Reserve Manager for the Lindisfarne and Newham Fen NNRs can be contacted at Lindisfarne NNR, Beal Station, Beal, Berwick-upon-Tweed, TD15 2SP, 01289 381470 or 07803228413.

Updating.

As has already been pointed out, this *Register* is intended to provide a snapshot of available records up to 31st December 2009. To become an effective conservation tool the rare plant registers must, of course be kept up to date, and this is particularly important in the instant case, as has been outlined in the Introduction. A project to provide an on-line flora of VC68 is due to be launched in February 2011, although some work has already commenced. It is intended that the Register will be updated through the mechanism of that project.

The Records.

Only those records held by the BSBI as at 31st December 2009 have been included. Unfortunately, there are comparatively few records for North Northumberland, and this is reflected in the information provided. It is known that many, perhaps several hundreds of records are available elsewhere, however their inclusion must await the updating process already referred to. No attempt has been made to search local and national herbaria for specimens, (although work is presently underway) and similarly very few literature records have been included.

For each species generally the last records are provided for each site, although earlier records are often at low resolution and most 10km and many 5km records have been omitted. However, since 2008 rare and scarce species have been recorded at 10 metre resolution. For reasons of space these have been aggregated to 100 metre level in the register (records so aggregated are marked §) but in these cases all the 100 metre resolution information is provided. Full resolution information is available from the author on request.

Site names are given simply to assist in providing an overall picture, however it is of course the grid reference which provides the most accurate location.

Recorder names are provided where known. Further information on sources is available from the author on request.

The species are split into two sections. Firstly accounts of those species which are still extant (or may possibly be so) in the Vice County. This is followed by a section of extinct species.

Selected References.

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Stace, C.A., *New Flora of the British Isles*, 3rd edn, Cambridge: CUP, (2010)

Stewart, A., Pearman, D.A. & Preston, C., *Scarce Plants in Britain*, Peterborough: JNCC, (1994)

Swan, G.A., *Flora of Northumberland*, Newcastle: Natural History Society of Northumbria (1993)

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Extant Species.**Agrostemma githago** L.

Corncockle

*National Status: Scarce, Waiting.**North Northumberland Status: Rare.*

An archaeophyte annual weed associated with arable crops. Has probably been present in Britain since the Iron Age. Early records from the Vice County appear to represent this association, but, due to better cleaning of seed it is now effectively extinct in the VC as an arable weed. Elsewhere, particularly further South, it is frequently found as a component of wild-flower seed mixes and has occurred on one occasion as such in VC68, having apparently been introduced to a nature reserve.

Location	Grid Ref	Date	Recorder
Little Mill, N.W.T. Reserve	NU226172	7/1998	Pearce, M.

Alchemilla filicaulis subsp. filicaulis Buser.

Slender Lady's Mantle

*National Status: Not Scarce, Least concern.**North Northumberland Status: Rare.*

Nationally a native perennial found in a wide range of calcareous and neutral habitats from sea level to 975m with a distribution which is centered in the North of Scotland. In Northumberland only found on Cheviot (where it has not been seen since 1978) and in a disused limestone quarry.

Location	Grid Ref	Date	Recorder
Cheviot, Bizzle South West	NT8921	21/7/1953	Thompson, B.H.
Cheviot, Hen Hole	NT893201	5/8/1978	Swan, G.A. & M.
Hobberlaw	NU171117	5/6/1987	Swan, G.A.

Alchemilla glomerulans Buser.

Clustered Lady's Mantle

*National Status: Scarce, Vulnerable.**North Northumberland Status: Rare.*

A native perennial found in acid grassy habitats, mainly in the Scottish mountains, Teesdale and Cumbria. Appears susceptible to anything more than light grazing. Nationally its distribution is not well known due to a lack of modern records. In VC68 it grows only on a wet cliff next to a stream in a deep ravine on Cheviot, where it was first recorded in 1990. However it has not been seen there for the last 3 years (2010).

Location	Grid Ref	Date	Recorder
Cheviot, Bellyside Burn, E bank	NT905224	19/6/2006	Groom, Q.

Alchemilla wichurae (Buser.) Stefansson.

Smooth Lady's Mantle

*National Status: Scarce, Endangered.**North Northumberland Status: Rare.*

Native perennial growing in a variety of grassy and rocky habitats. Nationally its population appears to be stable but it may be recently under-recorded. First discovered in North Northumberland in 2009.

Location	Grid Ref	Date	Recorder
Hen Hole	NT888203	26/8/2009	Horsley, A.

Allium oleraceum L.

Field Garlic

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Bulbous perennial herb. Native in the Vice County where it is mainly restricted to whin (dolerite) outcrops although also found on coastal dunes.

Location	Grid Ref	Date	Recorder
Pauperhaugh	NZ1099	5/7/1957	Swan, G.A.
Spindlestone	NU1533	30/8/1969	Swan, G.A.
Holy Island	NU124426	19/9/1970	Swan, G.A.
Brada Quarry	NU161341	24/6/1976	Wilson, C.M.
Shada Plantation	NU1634	9/6/1983	Swan, G.A.
Craster	NU21P	15/8/1983	Swan, G.A.
Holy Island	NU128425	4/6/1992	Taylor, J.
Holy Island	NU128417	27/5/1992	Aitchison, J.W., Crowther, K.A.
Holy Island	NU115434	2000	Howard, V.
Bamburgh	NU13SE	16/5/2006	Wilkinson, M. & Steele J.
Warkworth Dunes	NU259060§	29/7/2006	Metherell, C.
Warkworth Dunes	NU259059§	13/8/2008	Walker, K.
Warkworth Dunes	NU259598§	13/8/2008	Swindells, J.

Allium schoenoprasum L.

Chives

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

A bulbous perennial herb, normally confined to calcareous and other basic sites. Nationally, as a native, it has a very disjunct distribution with sites in the North-East, Mid-Wales and the South-West peninsular. In VC68 it is confined to whin (dolerite) outcrops. Due to pressure at the single remaining site in the Vice County detailed location information has been withheld.

Location	Grid Ref	Date	Recorder
North Northumberland	NU13§	24/7/2008	Lowe, S.

Allium scorodoprasum L.

Sand Leek

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native bulbous perennial, growing in grassland, scrub and open woods on dry soils. Nationally its distribution is mainly northern in a band running from the Humber in the east to the Solway Firth in the west. In North Northumberland it is locally plentiful by the Tweed, being known from that area since 1829.

Location	Grid Ref	Date	Recorder
Cornhill	NT858387	29/6/1968	Swan, G.A. & M.
Cornhill West	NT83P	22/5/1970	Swan, G.A.
East Bolton	NU131162	26/7/1975	Swan, G.A.
Ord	NT95Q	8/7/1988	Swan, G.A.
Carham Hall	NT83E	16/7/1992	Swan, G.A.
Berwick Riverside	NT994523§	29/5/2003	Braithwaite, M.E.
Berwick Riverside	NT995530§	29/5/2003	Braithwaite, M.E.
Whiteadder Point	NT970519§	30/5/2003	Braithwaite, M.E.
Whiteadder Point	NT972518§	30/5/2003	Braithwaite, M.E.
Whiteadder Point	NT973518§	30/5/2003	Braithwaite, M.E.
Whiteadder Point	NT974518§	30/5/2003	Braithwaite, M.E.
Whiteadder Point	NT974519§	30/5/2003	Braithwaite, M.E.
Berwick Beach	NT993533	17/7/2004	Holme, R.

Alopecurus magellanicus Lam.

Alpine Foxtail

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

A native perennial herb, restricted to oligotrophic flushes and springs. Often associated with late-lying show beds. Nationally its distribution is centered on the Central Highlands of Scotland, with outliers in VC68 and further South in Co. Durham. Not discovered in the VC until 1981, it is restricted to a single site on Cheviot.

Location	Grid Ref	Date	Recorder
Hen Hole	NT894202§	30/7/2007	Young, A. & G.

Alopecurus myosuroides Hudson.

Black Grass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

An archaeophyte annual weed associated with neglected arable land. Nationally it has a South-Eastern distribution, being found in most areas South-East of a line between the Humber and the Bristol Channel, with the exception of the Cornish peninsular. A very troublesome weed, first recorded in the Vice County in 1872, it has not been seen since 1980.

Location	Grid Ref	Date	Recorder
Ross	NU13NW	1955	Robertson, D.A.
Alnwick	NU11W	1980	Thompson, J.

Antennaria dioica (L.) Gaertner

Mountain Everlasting

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb, which nationally occurs both in calcareous sites and, in upland areas, mildly acidic rock ledges, moors and grassland. Its UK distribution consist of mainly coastal and upland sites. Surprisingly it has not been recorded since 1975, despite many of its sites having been well-botanised since that date.

Location	Grid Ref	Date	Recorder
Rothbury	NU00SE	23/4/1957	Swan, G.A.
Hen Hole	NT893200	20/10/1968	Swan, G.A.
Waren Mill	NU13M	17/7/1970	Swan, G.A.
Eglingham	NU11NW	2/10/1971	Swan, G.A.
East Horton	NU03SW	28/5/1972	Swan, G.A.
Bamburgh	NU13S	17/6/1972	Swan, G.A.
Hen Hole	NT82V	14/6/1975	Swan, G.A.

Apium graveolens L.

Wild Celery

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native biennial herb, with a mainly coastal distribution in the UK, occurring not only close to the sea but also on the banks of tidal streams and brackish pools and the upper parts of salt marshes. Although occurring as an introduction further North, its VC68 stations are its most northerly native sites in the UK. Not recorded since 1984.

Location	Grid Ref	Date	Recorder
Tughall Mill	NU2227	15/7/1964	Swan, G.A.
Alnmouth	NU21SW	12/7/1984	Swan, G.A.

Apium inundatum (L.) Reichenb. fil.

Lesser Marshwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb, favouring shallow water sites, both still and slow moving, together with those which periodically dry out such as the edges of popols and dune slacks. Although widely distributed over the UK, it appears to be in substantial decline as a result of drainage and the eutrophication of its habitats. In VC68 its habitats reflect those found nationally, but it is probably also decreasing for the same reasons.

Location	Grid Ref	Date	Recorder
Southfield	NU2030	23/7/1959	Swan, G.A.
Harehope Farm	NU0920	14/7/1960	Swan, G.A.
Ross	NU13NW	22/8/1983	Swan, G.A.
Bamburgh North	NU13NE	3/10/1983	Swan, G.A.
Rothbury	NU00SE	1996	Humphreys, J.M.
Nelly's Moss	NU0702	1996	Humphreys, J.M.

Arabis hirsuta (L.) Scop.

Hairy Rock Cress

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native biennial or perennial growing on rock outcrops and grassland over base rich substrates. Nationally the species is widespread and its population, after a period of decline in the first half of the twentieth century appears stable. First recorded in the Vice County in 1831 and known at its Ratcheugh site since 1861.

Location	Grid Ref	Date	Recorder
Barrowburn	NT81Q	17/5/1959	Swan, G.A.
Brinkburn	NZ1198	20/7/1968	Swan, G.A.
Roddam	NU0220	31/5/1970	Swan, G.A.
Hulne Park	NU11S	20/5/1972	Swan, G.A.
Copper Snout	NT80Z	18/6/1983	Swan, G.A.
Linbriggs	NT80Y	5/6/2005	Meek, E.
Holy Island	NU1241	13/6/2009	Simkin, J.
Ratcheugh	NU224143§	19/5/2009	Metherell, C.

Armoracia rusticana P. Gaertner.

Horseradish

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Archaeophyte perennial herb, occurring as a garden throwout and also spreading from gardens and other areas where it is planted by root fragments (it is not known to set seed in the UK). Widely distributed in the UK although decreasing north of a line between the Tees and the Solway. The first VC record dates from 1799.

Location	Grid Ref	Date	Recorder
Alnmouth	NU21K	12/8/1972	Swan, G.A.
Snitter	NU00G	16/6/1979	Swan, G.A.
Lemington	NU11SW	30/8/1982	Swan, G.A.
Redbarns Links	NU1934	9/6/1983	Swan, G.A.
Berwick East	NU05SW	4/8/1997	Swan, G.A.
Wark	NT83NW	14/10/1999	Swan, G.A.
Thropton South	NU0201	18/10/2006	Durkin, J.L.

Artemisia absinthum L.

Wormwood

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Archaeophyte perennial herb, associated with sites showing human interference - railway tracks, roadsides, waste ground and the like. Cultivated in the UK as early as 1200. A plant with a mainly southern distribution, it occurs in scattered locations in VC68, mainly near the coast.

Location	Grid Ref	Date	Recorder
Craggyhall	NU0934	1/7/60	Swan, G.A.
Berwick Coast	NT95NE	14/8/65	Swan, G.A.
Alnmouth	NU21K	12/8/72	Swan, G.A.
Boulmer	NU21S	19/6/1976	Swan, G.A.
Kimmer Craggs	NU11D	2003	Poppleton, R.

Artemisia maritima L.

Sea Wormwood

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found in the upper parts of saltmarshes, shingle, sea cliffs and waste ground. Probably declining nationally. Known in the vice county since 1548. The Long Nanny site was searched in 2009 without success.

Location	Grid Ref	Date	Recorder
Newton Links	NU230269	2000	Howard, V.
Long Nanny estuary	NU227267	30/8/2004	Meek, E.
Bamburgh, Black Rocks Point	NU174359§	4/9/2008	Young, A. & G.

Asplenium marinum L.

Sea Spleenwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Wintergreen native perennial fern. Nationally found on maritime cliffs, normally within reach of sea-spray. Occasionally found on coastal walls and exceptionally on frost-free inland rocks. In the UK it is predominantly a western plant, with isolated sites on the east coast as far south as North Yorkshire. Entirely coastal in VC68, it is mainly restricted to two distinct localities, one north of Berwick-upon-Tweed and the second south of Craster, although it has recently been found on Holy Island. Nationally the species appears stable.

Location	Grid Ref	Date	Recorder
Marshall Meadows Bay	NT991556	14/8/1965	Swan, G.A.
Berwick Coast	NT982566	11/10/2001	Durkin, J.L.
Berwick Coast	NT985565	11/10/2001	Durkin, J.L.
Berwick Coast	NT987562	11/10/2001	Durkin, J.L.
Berwick Coast	NT988557	11/10/2001	Durkin, J.L.
Berwick Coast	NT988561	11/10/2001	Durkin, J.L.

Berwick Coast, Scolly Cave	NT990555	11/10/2001	Durkin, J.L.
Berwick Coast	NT990556	11/10/2001	Durkin, J.L.
Berwick Coast	NT991555	11/10/2001	Durkin, J.L.
Berwick Coast	NT992553	11/10/2001	Durkin, J.L.
St John's Haven	NT988560§	18/4/2003	Braithwaite, M.E.
Needle's Eye	NT988559§	18/4/2003	Braithwaite, M.E.
Needle's Eye	NT990557§	18/4/2003	Braithwaite, M.E.
Sandybeds	NT995552§	16/8/2003	Braithwaite, M.E.
Craster, Cullernose Point	NU261188	26/10/2003	Meek, E.
Craster, S of Cullernose Point	NU258179	31/3/2004	Young, A. & G.
Cullernose	NU258181§	2/7/2006	Metherell, C.
Craster, south of Cullernose Point	NU259185	7/9/2006	Manning, R.
Cullernose	NU259186§	6/6/2008	Metherell, C.
Holy Island	NU1241	13/6/2009	Simkin, J.

Asplenium trichomanes subsp. trichomanes L. Maidenhair Spleenwort

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native perennial wintergreen fern. Restricted to acidic siliceous sites, typically crevices in rock outcrops, scree and unmortared stone walls. The subspecies did not become commonly known until about 1978 and it is probably still much confused with the ubiquitous *A. trichomanes subsp. quadrivalens*. Accordingly its distribution in VC68 is not well-known.

Location	Grid Ref	Date	Recorder
Hosedon Linn	NT916082	1/8/1982	Swan, G.A. & M.
River Coquet	NT835113	24/8/1987	Swan, G.A. & M.
Ridlees Burn	NT861063	2/8/1987	Swan, G.A. & M.
Roddam	NU0220	16/6/2006	Johnson, P et al.

Asplenium viride L. Green Spleenwort

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Wintergreen native perennial fern. Nationally restricted to damp, basic rocks. Occasionally on mortared walls. Mainly restricted to upland areas in the Scottish Highlands, Cumbria and West Yorkshire and North and South Wales.

Location	Grid Ref	Date	Recorder
Bizzle South West	NT8921	14/6/1975	Swan, G.A.
Lowick	NU03NW	1/8/1988	Swan, G.A.
Bizzle	NT898223	26/8/1988	Swan, G.A.
Bizzle Burn	NT897224	2/9/1989	Swan, G.A.
Farm at Holburn	NU043361	31/3/2002	Groom, Q.
Kidland Forest	NT9010	17/6/2004	Hardy, D. & T.H.

Astragalus danicus Retz.

Purple Milk Vetch

*National Status: Not Scarce, Endangered.**North Northumberland Status: Not Scarce.*

Native perennial of unimproved grassland, predominantly on chalk and limestone but also on sand dunes and other substrates. Nationally the plant is in substantial decline, mainly due to agricultural improvement or lack of grazing. Happily the plant appears to be holding its own in North Northumberland.

Location	Grid Ref	Date	Recorder
Seahouses SE	NU2231	23/6/1959	Swan, G.A.
Newton Links	NU22I	21/6/1969	Swan, G.A.
Embleton Bay	NU22L	17/7/1970	Swan, G.A.
Dunstanburgh	NU22K	15/5/1971	Swan, G.A.
Bamburgh West	NU13S	17/6/1972	Swan, G.A.
Beadnell	NU21J	17/6/1972	Swan, G.A.
Craster	NU2519	1/6/1974	Swan, G.A.
Scremerston	NU04NW	13/7/1974	Swan, G.A.
Holy Island South	NU14F	24/8/1974	Swan, G.A.
Beal	NU04SE	2/8/1975	Swan, G.A.
Seaton	NU2612	19/6/1976	Swan, G.A.
Waterside House	NU2410	1/7/1978	Swan, G.A.
Boulmer	NU21S	13/6/1983	Swan, G.A.
Warkworth East	NU20NE	18/6/1983	Swan, G.A.
Rennington	NU21NW	27/6/1983	Swan, G.A.
Goswick	NU04M	27/6/1985	Swan, G.A.
Embleton	NU22SW	20/8/1987	Swan, G.A.
Spindlestone South Hill	NU155338	11/5/1003	Groom, Q.
Spindlestone	NU155337	30/5/2007	Young, A. & G.
Cullernose Point	NU260187§	20/5/2008	Metherell, C.
Hips Heugh	NU251185§	2/6/2008	Metherell, C.
Hips Heugh	NU252184§	2/6/2008	Metherell, C.
Dunstanburgh	NU258214§	2/6/2008	Metherell, C.
Dunstanburgh	NU258205§	2/6/2008	Metherell, C.
Dunstanburgh	NU258218§	2/6/2008	Metherell, C.
Ross NE Central	NU140382§	5/6/2008	Metherell, C.
Ross NE Central	NU140381§	5/6/2008	Metherell, C.
Ross East Central	NU142379§	5/6/2008	Metherell, C.
Ross East Central	NU142378§	5/6/2008	Metherell, C.
Ross East Central	NU144377§	5/6/2008	Metherell, C.
Ross East Central	NU144676§	5/6/2008	Metherell, C.
Ross East Central	NU145375§	5/6/2008	Metherell, C.
Ross East Central	NU146373§	5/6/2008	Metherell, C.
Ross East Central	NU146372§	5/6/2008	Metherell, C.
Ross East Central	NU146371§	5/6/2008	Metherell, C.
Ross South	NU148369§	5/6/2008	Metherell, C.
Ross East Central	NU148370§	5/6/2008	Metherell, C.
Ross East Central	NU148371§	5/6/2008	Metherell, C.
Ross South	NU148368§	5/6/2008	Metherell, C.
Cockburnlaw Dunes	NU031484§	9/6/2008	Metherell, C.
Cockburnlaw Dunes	NU031481§	9/6/2008	Metherell, C.
Cockburnlaw Dunes	NU032482§	9/6/2008	Metherell, C.
Cockburnlaw Dunes	NU032481§	9/6/2008	Metherell, C.
Cockburnlaw Dunes	NU033480§	9/6/2008	Metherell, C.
Cockburnlaw Dunes	NU033481§	9/6/2008	Metherell, C.

Holy Island East of Snook House	NU100436§	10/6/2008	Metherell, C.
Holy Island Slack 54	NU099435§	4/7/2008	Metherell, C.
Holy Island Slack 54	NU099436§	4/7/2008	Metherell, C.
Ross Links	NU136384§	14/8/2008	Metherell, C.
Ross Links	NU137387§	14/8/2008	Metherell, C.
Ross Links	NU137382§	14/8/2008	Metherell, C.
Ross Links	NU141381§	14/8/2008	Metherell, C.
Holy Island	NU129437§	17/8/2008	Metherell, C.
Ross Links, dunes	NU140382§	20/8/2008	Young, A. & G.

Astragalus glycyphyllos L.

Wild Liquorice

*National Status: Not Scarce, Endangered.**North Northumberland Status: Rare.*

Native perennial herb, mainly found on calcareous soils in a mixture of sites ranging from road verges and railway banks to scrub grassland where grazing levels are low. The UK distribution shows a south-eastern bias. In steady decline nationally, mainly due to loss of rough grassland. Historical records show it to have been widely scattered over VC68, it was reportedly seen in 1971 but the record has not been traced.

Atriplex longipes Drejer.

Long Stalked Orache

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual. Restricted to the upper parts of saltmarshes which are covered by high tides. Frequently in tall, ungrazed vegetation. Scattered around the coasts of the UK its first confirmed national record was only in 1977 and it is probably under-recorded. In VC68 it has to date been found in four sites, being first detected in 1983. Further north on the east coast it has been found near Airth, Stirlingshire (NS912875) in 1984.

Location	Grid Ref	Date	Recorder
Beal	NU080428	9/10/1983	Swan, G.A. & M.
Howick Hall SE	NU2516	2/9/1988	Swan, G.A.
Alnmouth	NU245096	5/9/1988	Swan, G.A. & M.
Goswick	NU058453	17/8/1989	Swan, G.A. & M.

Atriplex praecox Hülpfers.

Early Orache

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual. Restricted to sand and shingle and, on the west coast of Scotland, where it has its UK headquarters also around the shores of sea lochs and bays. Its first UK record was in 1975 and it is almost certainly under-recorded nationally. In England it is restricted to VC68, where it has been found at four sites.

Location	Grid Ref	Date	Recorder
Budle Bay	NU142359	17/8/1990	Swan, G.A. & M.
Long Nanny	NU227270	12/9/1990	Swan, G.A. & M.
Holy Island	NU123427	7/9/1991	Swan, G.A. & M.
Warkworth, top of saltmarsh	NU258058§	20/9/2006	Young, A. & G.

Atropa belladonna L.

Deadly Nightshade

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb, found as a native further south in the UK, although it is often difficult to distinguish between native populations and introductions. Formerly widely cultivated as a medicinal herb. Found only as an introduction in VC68, where it occurs on wooded stream banks and waste ground. There have been no confirmed records since 1971.

Location	Grid Ref	Date	Recorder
Embleton	NU22G	17/7/1971	Swan, G.A.

Baldellia ranunculoides (L.) Parl.

Lesser Water Plantain

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

Perennial of strongly calcareous or brackish waters, requiring sites at the water's edge where competition is restricted by fluctuating levels or other disturbance. Has declined in England over many years, probably due to the decrease in small water bodies combined with greater competition. Only seen at two sites in VC68 in the last 30 years, it has however not been recorded from one of these, on Holy Island since 1985. The site of the Dunstanburgh pond was investigated in 2009, and appears to have been drained and the plant lost.

Location	Grid Ref	Date	Recorder
Dunstanburgh, small pond near to	NU252222	16/7/1991	Swan, G.A.
Holy Island Snook	NU097433§	8/7/2006	Holme, R. Muscott, J.

Beta vulgaris subsp. maritima (L.) Archangeli.

Sea Beet

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found in many coastal habitats from the strand line to cliffs. It seems to favour sites which are rich in nutrients (for example cliff ledges where guano has been deposited). Rarely found inland. Nationally it is common round the coast as far north as Ayrshire in the east and Yorkshire in the east, with outlying stations further north. In VC68 it has only been known to occur on the south bank of the Tweed, although it has not been recorded since 1971.

Location	Grid Ref	Date	Recorder
Yarrow Haugh	NT95W	29/5/1971	Swan, G.A.

Bidens cernua L.

Nodding Bur Marigold

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

An annual, favouring damp and wet areas next to slow-flowing streams, and also known from pondsides. Known at one location in VC68 since 1868.

Location	Grid Ref	Date	Recorder
Barelees	NT8738	1/7/1968	Swan, G.A.

Blackstonia perfoliata (L.) Hudson

Yellow Wort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

A native annual or sometimes biennial herb. Mainly found in calcareous grassland and on fixed dunes although it colonises waste ground including verges, cuttings and quarries. It appears to be very much on its northern limit in VC68. It occurs at two locations, a quarry, where it is well-known and on cliffs near Berwick, where it has not been seen since 1975. Has also been planted near a pond at Branton (1999).

Location	Grid Ref	Date	Recorder
Berwick, cliff N or harbour	NU05SW	19/7/1975	Swan, G.A.
Longhoughton quarry	NU234156	16/7/1998	Ellis, H.A. & C.E.
Longhoughton quarry	NU2315	6/7/2006	Young, A. & G.

Blysmus compressus (L.) Panzer ex. Link

Flat Sedge

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native perennial sedge found in damp grassland, marshes and fens. Nationally widely distributed with centres in Norfolk, Southern central England and the North. First recorded in VC68 in 1805.

Location	Grid Ref	Date	Recorder
Black Moss	NU048043	1/7/1973	Swan, G.A.
Scremerston	NU04E	21/7/1987	Swan, G.A.
Holy Island	NU100435	26/7/2002	Swan, G.A.
Holy Island, near Snook Pool	NU102436	27/7/2005	Young, A. & G.
Holy Island Slack 34	NU096436§	16/7/2008	Walker, K.
Holy Island	NU097435§	16/7/2008	Metherell, C.
Holy Island	NU120433§	16/7/2008	Stead, M.
Holy Island	NU121431§	16/7/2008	Braithwaite, M.E.
Holy Island	NU121432§	16/7/2008	Braithwaite, M.E.
Holy Island	NU121433§	16/7/2008	Stead, M.
Holy Island	NU129432§	17/7/2008	Metherell, C.

Holy Island	NU129433§	17/7/2008	Metherell, C.
Holy Island	NU129437§	17/7/2008	Metherell, C.
Holy Island Slack 83	NU099432§	27/7/2008	Metherell, C.
Holy Island Slack 57	NU102436§	27/7/2008	Metherell, C.
Holy Island Slack 57	NU102435§	27/7/2008	Metherell, C.
Cockburnlaw	NU032481	17/8/2008	Aungier, F.

Blysmus rufus (Hudson) Link.

Saltmarsh Flat Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial sedge favouring brackish locations such as dune slacks and saltmarshes. Nationally it has a mainly Western Scottish distribution with outliers down the west coast of England and Wales as far South as Pembrokeshire and on the East coast as far South as the coast of Lincolnshire. In North Northumberland it was first recorded in 1835 and has recently been found in a number of coastal locations.

Location	Grid Ref	Date	Recorder
Southfield	NU2030	23/7/1959	Swan, G.A.
Goswick	NU0545	4/7/1959	Swan, G.A.
Buston Links North	NU2409	26/7/1969	Swan, G.A.
Goswick	NU04M	23/8/1988	Swan, G.A.
Warkworth	NU258053	5/6/1989	Swan, G.A.
Cheswick Sands	NU051461	2000	Howard, V.

Botrychium lunaria (L.) Swartz.

Moonwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Small native perennial fern. It prefers well-drained sites with a high base content - meadows, open woodland and sand dunes. First recorded in North Northumberland in 1831.

Location	Grid Ref	Date	Recorder
Botany	NU0924	3/7/1963	Swan, G.A.
Holy Island NE	NU1343	14/8/1964	Swan, G.A.
Embleton Bay	NU22L	6/7/1971	Swan, G.A.
Birling Links	NU256067	20/5/1978	Swan, G.A.
Holburn	NU03N	18/5/1982	Swan, G.A.
Holy Island	NU14SW	2/7/1985	Swan, G.A.
Elwick North East	NU1237	2/7/1993	Swan, G.A.
Ross Links	NU13243847	5/1998	Dargie, T.

Brachypodium pinnatum (L.) Beauv.

Tor Grass

*National Status: Not Scarce, Waiting List.**North Northumberland Status: Rare.*

A perennial grass, normally found in chalk and limestone areas and generally favouring lowland sites. It reaches its northern limit as a native in VC68 although it

occurs as an introduction further north. The genus was revised by Schippmann in 1991, dividing it into two, although current thinking suggests that at best these should be recognised at subspecific rank. At present it is not known to which of these two (sub)species VC68 records are referable.

Location	Grid Ref	Date	Recorder
East Bolton	NU132161	26/7/1975	Swan, G.A.
Hethpool	NT8928	17/8/2005	Pickering, W.G.

Bromus hordeaceus subsp ferronii (Mabille) P.M.Sm. Soft Brome

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native winter annual of bare, exposed cliff tops, shingle and banks. Nationally the population is scattered, with a mostly south western trend although there are sites on the west and east coasts of Scotland. Discovered in North Northumberland in 2000, this site represents its southernmost population on the east coast.

Location	Grid Ref	Date	Recorder
Holy Island - Heugh	NU1241	2000	Swan, G.A.

Bromus hordeaceus subsp thominei (Hardouin) Braun-Blanq. Soft Brome

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

A native annual grass of cliff tops and sandy areas although it occasionally occurs inland on sandy soils. In the UK it has a very scattered population around the coast, being least common in the East. It is probably, however, under-recorded. The plant was found in VC68 in 1971 and has not been recorded since that date.

Location	Grid Ref	Date	Recorder
Road verge	NU193149	26/7/1971	Swan, G.A.

Bryonia dioica Jacq. White Bryony

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Scrambling native perennial herb, growing in hederows, scrub and woodland borders. Also found on waste ground. It is a plant with a mainly South-Eastern distribution and the VC68 records represent its Northern limit as a native.

Location	Grid Ref	Date	Recorder
Birling Carrs	NU253072	5/10/1974	Swan, G.A.
Birling Carrs	NU251085	3/10/1982	Swan, G.A.
Buston Links	NU20P	20/5/1985	Swan, G.A.
Birling	NU20N	7/7/1994	Swan, G.A.

Calamagrostis canescens (Wiggers) Roth.

Purple Small Reed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

A native perennial herb often forming extensive stands in lakeside marshes and in carr. Nationally its main centres of distribution are in Norfolk, and the area North-West of the Wash and it is near its Northern limit in VC68. The majority of records are historical there being one recent record.

Location	Grid Ref	Date	Recorder
Cannomill Bog	NT904313	22/8/2001	Douglas, I.

Callitriche hermaphroditica L.

Autumnal Water Starwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual. A mainly Northern plant occurring in lakes, canals and gravel pits where the water is mesotrophic although it appears to be tolerant of eutrophication. A morphologically variable plant some older records may be errors.

Location	Grid Ref	Date	Recorder
Swinhoe Lakes	NU0735	13/9/1959	Swan, G.A.
Middleton Hall	NU0935	22/8/1968	Swan, G.A.
Longframlington	NU10F	4/7/1971	Swan, G.A.
Pawston Lake	NT82K	29/5/1972	Swan, G.A.
Craggside	NU00R	6/9/1989	Swan, G.A.

Callitriche obtusangula Le Gall.

Blunt Fruited Water Starwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual. A mainly lowland plant of still or slow flowing mesotrophic water also occurring on wet mud, and tolerant of brackish conditions. Probably under recorded in the VC.

Location	Grid Ref	Date	Recorder
Annstead Burn	NU219302	20/7/1983	Swan, G.A.
Beadnell	NU232289	1991	Jeffries, M.

Calystegia soldanella (L.) R.Br.

Sea Bindweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb of sand dunes, and sand and shingle beaches. Common around the coast of the UK, but perhaps least so on the East coast North of the Humber.

Location	Grid Ref	Date	Recorder
Warkworth Dunes	NU262056	4/8/1977	Swan, G.A.
Scremerston	NU027487	29/6/1992	Swan, G.A.
Cocklawburn Beach	NU04J	2/7/1994	Young, A. & G.
Holy Island SW	NU1241	23/7/2006	Metherell, C.
Warkworth Dunes	NU261057§	13/8/2008	Stead, M.
Warkworth Dunes	NU257649§	13/8/2008	Swindells, J.

Campanula glomerata L.

Clustered Bellflower

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb of calcareous found in a wide range of habitats. Historic records in the VC appear to relate to native sites, however almost all modern records seem to be garden escapes and these are excluded.

Location	Grid Ref	Date	Recorder
College Burn	NT882287	1978	Saddler, J. & Booth, T.
Langleeford North East	NT9522	15/8/2008	Ellis, R.W. & Walker, K.

Carex acuta L.

Slender Tufted Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial sedge growing in shallow water or wet ground and thus found at the edges of ponds, lakes, rivers, watre meadows and swamps. Nationally the species has shown some decline, and its distribution shows that our sites are at the north of its range. In North Northumberland the plant is mainly found on the Tweed., where it has been known since 1829.

Location	Grid Ref	Date	Recorder
Norham West	NT8545	1/6/1963	Swan, G.A.
Chew Green	NT70Z	5/7/1970	Swan, G.A.
Shawdon Wood	NU01X	17/6/1973	Swan, G.A.
Norham East	NT9047	23/5/1984	Swan, G.A.
Tiptoe	NT94A	19/5/1987	Swan, G.A. & M.
Horncliffe	NT94J	28/5/1987	Swan, G.A. & M.
Whiteadder Point	NT9751	30/5/2003	Braithwaite, M.E.
River Coquet	NT982099	27/6/2006	Lansdown, R.V.
Newham Fen	NU1629	15/8/2008	Braithwaite, M.E.

Carex bigelowii Torrey ex. Schweinitz.

Stiff Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial sedge of montane habitats including grassland and flushed gullies. Its national distribution reflects its altitudinal requirements, the plant being found in the Scottish Highlands, the higher areas of the Scottish Lowlands and Cumbria. The records for VC68 represent its Easternmost location in England. Known on Cheviot

since 1804.

Location	Grid Ref	Date	Recorder
Hedgehope Summit	NT9419	6/7/1987	Swan, G.A.
Cheviot	NT890199	19/7/1990	Swan, G.A.
Cheviot	NT898211	17/9/2002	Proctor, K.
Cheviot	NT910206	17/9/2002	Rafferty, T.
Cheviot, flanks of	NT897202§	4/8/2008	Young, A. & G.
West Hill, beneath crags	NT888205§	15/8/2008	Young, A. & G.

Carex diandra Schrank.

Lesser Tussock Sedge

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native perennial sedge of peaty areas, able to tolerate both acidic soils and those which are flused by calcareous springs. Also found in wet woods, fen carr and swamps. The VC68 site is of importance as being the only suitable habitat for this plant left in the VC. It was previously found in Learmouth Bog which was drained in the late 1860s and the plant extinguished.

Location	Grid Ref	Date	Recorder
Newham Fen	NU168296	20/6/1980	Blakemore, J.

Carex divisa Hudson.

Divided Sedge

National Status: Scarce, Vulnerable.

North Northumberland Status: Rare.

Native perennial sedge growing in brackish dune slacks and ditches and damp grasslands. Always near the sea. Its national distribution is mainly around the coast of South East England from West Dorset to the Wash, with outliers as far West as Pembrokeshire and North to the Humber. The single VC68 locality represents its northern limit in the UK.

Location	Grid Ref	Date	Recorder
Holy Island	NU098436	30/8/1988	Swan, G.A.

Carex extensa Good.

Long Bracted Sedge

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native perennial sedge which grows in area with the reach of salt water spray. Habitats include estuarine flats, the upper levels of saltmarshes and coastal rocks and cliffs. Nationally its distribution is mainly Western although there are a number of sites along the East coast.

Location	Grid Ref	Date	Recorder
Black Low	NU0841	4/7/1959	Swan, G.A.
Cheswick Shiel	NU052460	17/6/1983	Swan, G.A.

Holy Island, dune-slack	NU104433	27/7/2005	Young, A. & G.
Holy Island, near Snook car-park	NU104434	27/7/2005	Young, A. & G.
Holy Island	NU097431	17/6/2006	Metherell, C.
Cullernose Point	NU260187	2/7/2006	Metherell, C.
Snook West	NU0943	23/7/2006	Metherell, C.
Mouth of Ross Low	NU136358§	5/6/2008	Metherell, C.
Ross South	NU143365§	5/6/2008	Metherell, C.
Ross South	NU143363§	5/6/2008	Metherell, C.
Ross South	NU143364§	5/6/2008	Metherell, C.
Ross South	NU146363§	5/6/2008	Metherell, C.
Ross South	NU146364§	5/6/2008	Metherell, C.
Ross South	NU147364	5/6/2008	Metherell, C.
Ross South	NU147365	5/6/2008	Metherell, C.
Holy Island	NU105434	17/8/2008	Swindells, J.

Carex lasiocarpa Ehrh.

Slender Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial sedge growing in reed swamps, at the edges of lakes and slow flowing rivers. Generally favouring oligotrophic water its national distribution is generally northern. In VC68 it was first recorded with the vice-county in 1868 at Newham Fen, where it still grows. It was previously found in Learmouth Bog which was drained in the late 1860s and the plant extinguished.

Location	Grid Ref	Date	Recorder
Ford Moss West	NT9637	2003	Poppleton, R.
Newham Fen	NU169294	15/8/2008	Braithwaite, M.E. & P.

Carex maritima Gunnerus.

Curved Sedge

*National Status: Scarce, Endangered.**North Northumberland Status: Probably Extinct.*

Native perennial sedge found in dune slacks and open sandy areas. Found mainly on the East coast of Scotland and in the Orkneys and Shetland Islands the VC68 site represents its only English Station where it has been known since 1867. Unfortunately it has not been refound in the 21st century despite several comprehensive searches and may well be extinct.

Location	Grid Ref	Date	Recorder
Holy Island. Emmanuel Head	NU137435	10/6/1961	Swan, G.A.
Holy Island. Primrose Bank.	NU098431	2/6/1962	Swan, G.A.
Holy Island.	NU099437	1978	Richards, A.J.
Holy Island	NU100436	11/8/1980	Blakemore, J.
Holy Island. Primrose Bank.	NU098431	1983	Swan, G.A. & M.

Carex oederi Retz.

Small Fruited Yellow Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial sedge which grows in damp or wet habitats including both fresh and salt water locations. Nationally it has a general western distribution with few sites on the East Coast. First recorded in VC68 in 1869.

Location	Grid Ref	Date	Recorder
Newtown	NU1635	5/8/1983	Swan, G.A.
Harehope	NU02V	29/7/1988	Swan, G.A.
Ross Links	NU132388§	14/8/2008	Walker, K.
Holy Island Slack 18	NU096436	16/8/2008	Walker, K.

Catabrosa aquatica (L.) Beauv.

Whorl Grass

*National Status: Not Scarce, Least concern.**North Northumberland Status: Scarce.*

Native plant normally found on the muddy margins of ponds and slow flowing streams. The plant has declined both nationally and in the vice-county.

Location	Grid Ref	Date	Recorder
Bamburgh East	NU13X	15/7/1959	Swan, G.A.
Fenham-le-Moor	NU0939	13/9/1959	Swan, G.A.
Belford Station	NU1233	13/9/1959	Swan, G.A.
Beadnell	NU22J	18/9/1970	Swan, G.A.
Shoreston Hall	NU23B	29/9/1981	Swan, G.A.
Newton Point	NU2425	1/9/1981	Swan, G.A.
Stamford road junction	NU226195	28/9/2003	Richards, A.J.

Catapodium marinum (L.) C.E. Hubbard

Sea Fern Grass

*National Status: Not Scarce, Least concern.**North Northumberland Status: Rare.*

Native annual grass growing in dry habitats near the sea, including cliff tops, dunes and shingle. Nationally it is found all round the coasts of England and Wales and to a lesser extent Scotland.

Location	Grid Ref	Date	Recorder
Warkworth Dunes	NU261055	26/7/1969	Swan, G.A.
Snook East	NU1043	23/7/1977	Swan, G.A.
Warkworth East	NU20NE	22/7/1988	Swan, G.A.

Centaurea scabiosa L.

Greater Knapweed

*National Status: Not Scarce, Least concern.**North Northumberland Status: Rare.*

Native perennial herb which is common over much of England as far north as Co

Durham, although absent from most of Wales and Scotland. It is found in mainly dry grassland, scrub, roadsides and waste ground. In VC68 it has been known from its Warkworth site since 1868.

Location	Grid Ref	Date	Recorder
Birling	NU20N	12/8/1987	Swan, G.A.
Warkworth	NU20SW	1990	Swan, G.A.
Swinhoe Crags	NU080353	6/7/2006	Wilkinson, M. & Steele J.

Centaureum littorale (D.Turner ex. Sm.) Gilmour.

Seaside Centaury

National Status: Scarce, Least concern.

North Northumberland Status: Scarce.

Native biennial herb, found on coastal dunes and the upper levels of saltmarshes. It favours areas where the habitat is kept open. Mainly western in distribution, the VC68 records represent the only sites for this plant on the east coast of England.

Location	Grid Ref	Date	Recorder
Boulmer	NU21S	7/7/1959	Swan, G.A.
Holy Island Snook East	NU14B	30/8/1969	Swan, G.A.
Waren Mill	NU13M	17/7/1970	Swan, G.A.
Howick Hall SE	NU2516	30/7/1971	Swan, G.A.
Craster	NU21P	22/7/1983	Swan, G.A.
Budle	NU168358	19/7/1989	Swan, G.A.
Budle	NU168360	19/7/1989	Swan, G.A.
Howick Burn, S of mouth of	NU260162	23/7/1991	Swan, G.A.
Howick Burn, N of mouth of	NU261165	23/8/1991	Swan, G.A.
Bamburgh	NU192347	12/7/1993	Swan, G.A.
Holy Island Links	NU125434	17/6/2006	Metherell, C.
Snook West	NU0943	23/7/2006	Metherell, C.
Ross Links	NU132388§	14/8/2008	Walker, K.
Holy Island	NU121431§	16/8/2008	Braithwaite, M.E.
Holy Island Slack 6	NU094434	16/8/2008	Swindells, J.
Holy Island Slack 9	NU094437	16/8/2008	Swindells, J.
Holy Island	NU093484§	16/8/2008	Walker, K.
Holy Island	NU095434§	16/8/2008	Walker, K.
Holy Island	NU096433§	16/8/2008	Walker, K.
Holy Island	NU097432§	16/8/2008	Walker, K.
Holy Island Slack 34	NU098436§	16/8/2008	Walker, K.
Ross Links, dune-slack	NU138381§	20/8/2008	Young, A. & G.
Budle Point, east crag	NU168359	4/9/2008	Young, A. & G.

Centaureum pulchellum (Swartz) Druce.

Lesser Centaury

National Status: Not Scarce, Least concern.

North Northumberland Status: Rare.

Native annual found inland in dry grasslands and heaths. On the coast it favours open, sandy and muddy grassy places, sand dunes and upper saltmarshes. The plant is found at its northern limit in the UK in VC68.

Location	Grid Ref	Date	Recorder
Budle	NU168366	15/8/1991	Swan, G.A.
Bamburgh	NU190347	15/8/1991	Swan, G.A.
Howick Burn, N of mouth of	NU261165	21/8/1991	Swan, G.A.

Centunculus minimus L.

Chaffweed

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

A native annual, normally favouring sandy sites near the sea with high levels of moisture. Usually on acidic soils. In VC68 it has been found in this type of habitat, but also in crevices on whin (dolerite) outcrops. It is however a poor competitor and small changes in habitat may lead to losses. It is easily overlooked and may be under-recorded. It has not been seen since 1983 in the Vice County.

Location	Grid Ref	Date	Recorder
Ross	NU13NW	2/7/1960	Swan, G.A.
Spindlestone	NU153345	23/7/1966	Swan, G.A.
Cullernose	NU2618	22/7/1983	Swan, G.A.

Ceratophyllum demersum L.

Rigid Hornwort

*National Status: Not Scarce, Least concern.**North Northumberland Status: Rare.*

Native aquatic normally growing submerged in lakes, ponds and slowly flowing streams. The 1999 record refers to a site at which the species was planted.

Location	Grid Ref	Date	Recorder
Littlemill quarry pond	NU232175	15/5/71	Swan, G.A.
Oxford	NU04D	6/9/1984	Swan, G.A.
Barelees	NT8738	7/9/1984	Swan, G.A.
Branton	NU0416	1999	Hope, J.

Chenopodium bonus-henricus L.

Good King Henry

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Perennial archaeophyte growing on disturbed, nutrient rich soil, often around farm buildings, roadsides and waste ground. Present since the Roman era, the species has declined nationally in the last fifty years, perhaps mainly through general tidying of its habitats. Known in the Vice County since 1807. Probably under recorded because of its status.

Location	Grid Ref	Date	Recorder
Kimmer Craggs	NU11D	2002	Poppleton, R.
Ford Moss	NT9637	2003	Poppleton, R.
High Lethem	NT970536§	31/7/2003	Braithwaite, M.E.
Humbleton	NT976289	15/6/2006	Groom, Q.

Earle	NT92Y	19/7/2006	Richards, A.J.
Bamburgh Moor	NU1735	30/7/2006	Metherell, C.
Weldon Bridge	NZ19J	2/9/2007	Metherell, C.

Cichorium intybus L.

Chicory

*National Status: Not Scarce, Least concern.**North Northumberland Status: Scarce.*

Perennial archaeophyte of roadsides, field margins and rough grassland. Generally a relic of former cultivation nationally the species has declined through lack of use as a crop. Known in the Vice County since 1807, it may, in due course, increase in the wild, as it is understood that it is once again being planted. Probably also under-recorded because of its status.

Location	Grid Ref	Date	Recorder
Mindrum	NT83L	10/8/1958	Swan, G.A.
Cocklawburn	NU04J	20/8/1958	Swan, G.A.
Lanton	NT93F	12/7/1970	Swan, G.A.
Felton	NU10SE	8/8/1970	Swan, G.A.
Beal	NU04SE	2/8/1975	Swan, G.A.
Bamburgh North	NU1835	29/7/1981	Swan, G.A.
Bamburgh East	NU13X	29/7/1981	Swan, G.A.
Longhoughton Quarry	NU2315	13/8/2003	Young, A. & G.

Clinopodium acinos (L.) Kuntze.

Basil Thyme

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Rare.*

Native annual herb growing in dry grassland or arable fields. First recorded in VC68 in 1837, there have been a number of records from scattered localities across the vice-county, however it has not been seen since 1968 and its status must now be doubtful.

Location	Grid Ref	Date	Recorder
Campfield	NT863385	29/6/1968	Swan, G.A.

Clinopodium ascendens (Jordan) Samp.

Common Calamint

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb found on verges, hedge banks and rough grassland. Its UK distribution suggests that the record for the VC may be an introduction. If it is indeed native at its VC68 site it represents the most northerly record for this species in the UK.

Location	Grid Ref	Date	Recorder
Bamburgh	NU13X	1969	Swan, G.A.

Cochlearia anglica L.

English Scurvy Grass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native biennial or perennial herb found in saltmarshes and on sea walls. It was recorded on Holy Island in the the nineteenth century and has not been see at its River Aln station since 1969.

Location	Grid Ref	Date	Recorder
Alnmouth	NU2410	7/6/1969	Swan, G.A.
River Tweed	NT991533	22/6/1989	Swan, G.A.

Cochlearia pyrenaica subsp. alpina (Bab) Dalby.

Alpine Scurvy Grass

*National Status: Not Scarce, Waiting.**North Northumberland Status: Rare.*

Native biennial or perennial herb found in damp habitats, including montane cliffs and flushes. There is some doubt about the taxonomic status of this subspecies, some authors preferring to consider it a subspecies of *C. officinalis*. A single site in VC68.

Location	Grid Ref	Date	Recorder
Hen Hole	NT887202	2/10/1977	Swan, G.A.

Coeloglossum viride (L.) Hartman

Frog Orchid

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native perennial herb growing in dry grassland, dunes and chalkpits, but also flushes, scree and even roadsides. Nationally this species has been in decline throughout the twentieth century, mainly due to ploughing and grassland improvement. It has not been seen at any other than its Holy island site for many years, and it is likely that this now represents its only occurrence with North Northumberland. That location is particularly vulnerable, and accordingly only low resolution information is given.

Location	Grid Ref	Date	Recorder
Botany	NU02X	4/8/1962	Swan, G.A.
Howick	NU2517	9/7/1972	Swan, G.A.
Spittal	NU05A	11/7/1978	Swan, G.A.
North Northumberland	NU12§	20/6/1980	Blakemore, J.
Holy Island Snook	NU04W	28/7/1983	Swan, G.A.
Scremerston	NU04E	4/8/1983	Swan, G.A.
North Northumberland	NU14§	23/8/2009	Metherell, C.

Corallorrhiza trifida Chatel.

Coralroot Orchid

*National Status: Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native saprophyte. Found in both carr on raised mires and in dune slacks. First VC record 1885 from a site where, although in decline, the plant still occurs. The NU13 site was searched in 2009 but without success and the plant has not been seen at the NU12 for many years. All occurrences of the species are on protected sites, however at the two locations where it has been seen recently it has been subject to trampling and, unfortunately in 2009 to theft. Accordingly only reduced resolution information is given.

Location	Grid Ref	Date	Recorder
North Northumberland	NU12	20/6/1980	Blakemore, J.
North Northumberland	NU13§	22/5/1998	Dargie, T.
North Northumberland	NU14§	17/6/2006	Metherell, C.
North Northumberland	NU04§	4/6/2008	Metherell, C.

Cornus suecica L.

Dwarf Cornel

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native perennial growing in wet peat at medium to high altitudes. Confined to dwarf shrub communities and acid grassland. Discovered on Cheviot in c1530. The VC68 records represent the great majority of sites within England.

Location	Grid Ref	Date	Recorder
Dunsdale ravine	NT908213	18/7/1990	Swan, G.A.
Dunsdale ravine	NT908214	18/7/1990	Swan, G.A.
Dunsdale ravine	NT908217	18/7/1990	Swan, G.A.
Hen Hole	NT892203	19/7/1990	Swan, G.A.
Woolhope	NT920215	1/9/1990	Swan, G.A.
Long Crag	NU062070	30/7/1994	Swan, G.A.
Cheviot	NT910214	15/9/1999	Hardy, D. & T.H.
Harthope watershed	NT907191	3/9/2000	Hope, J, Davison, I. & K.
Callay Crag	NU067092	2003	Steele, J.
Bellyside Burn	NT906219§	30/6/2008	Metherell, C.
Bellyside Burn	NT907219§	30/6/2008	Metherell, C.
Bellyside Burn	NT907218§	30/6/2008	Metherell, C.
Bellyside Burn	NT909217§	30/6/2008	Metherell, C.

Crepis mollis (Jacq.) Ascherson.

Northern Hawk's Beard

*National Status: Scarce, Endangered.**North Northumberland Status: Scarce.*

Native perennial of herb-rich grassland and wood pasture. Now confined to Northern England. Apparently declining both nationally and locally. First recorded in VC68 in 1835.

Location	Grid Ref	Date	Recorder
Common Burn	NT952257	4/8/1962	Swan, G.A.
Near Blindburn	NT833110	11/7/1973	Swan, G.A.
Black Lough	NU10J	12/7/1975	Swan, G.A.
Swin Hope	NU1209	12/7/1975	Swan, G.A.
Luckenarks	NT9525	22/7/1978	Swan, G.A.
Swarland Burn	NU148027	13/7/1980	Swan, G.A.
Common Burn	NT948263	10/7/1992	Swan, G.A.
Langleeford	NT954223	19/6/2006	Groom, Q.
Langleeford	NT954222§	15/8/2008	Ellis, R. W. & Walker, K.

Cynoglossum officinale L.

Hound's Tongue

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Not Scarce.*

Native biennial herb growing in dry soils, found on dunes, open grassland, field edges and waste land. Nationally this species has declined sharply since the 1950s, although it appears to be holding its own in VC68. As can be seen from the records below, the plant was surveyed on part of Ross Links during 2008.

Location	Grid Ref	Date	Recorder
Waren Mill	NU13M	31/5/1959	Swan, G.A.
Seahouses SE	NU2231	23/6/1959	Swan, G.A.
Buston Links	NU20P	4/7/1960	Swan, G.A.
Kyloe Wood	NU03P	25/6/1966	Swan, G.A.
Alnmouth	NU2410	6/8/1966	Swan, G.A.
Shilbottle	NU20NW	15/7/1969	Swan, G.A.
Monks House	NU2033	17/7/1970	Swan, G.A.
Embleton Bay	NU22L	17/7/1970	Swan, G.A.
Beadnell	NU22J	18/8/1970	Swan, G.A.
Newton Village	NU2424	31/8/1972	Swan, G.A.
Scremerston	NU04NW	13/7/1974	Swan, G.A.
Holy Island W Central	NU1242	13/7/1974	Swan, G.A.
Holy Island South	NU14F	24/8/1974	Swan, G.A.
Alnmouth	NU21K	5/10/1974	Swan, G.A.
Cocklawburn Beach	NU04J	2/8/1975	Swan, G.A.
Beal	NU04SE	2/8/1975	Swan, G.A.
Warkworth East	NU20NE	4/8/1977	Swan, G.A.
Redbarns Links	NU1934	9/6/1983	Swan, G.A.
Boulmer	NU21S	13/6/1983	Swan, G.A.
Dunstanburgh	NU2521	8/7/1985	Swan, G.A.
Newton Links	NU22I	8/6/2005	Young, A. & G.
Holy Island Snook	NU04W	27/7/2005	Young, A. & G.
Holy Island	NU128425	17/6/2006	Metherell, C.
Holy Island SE	NU1341	6/6/2007	NHS Botany Group
Ross NE Central	NU141380§	5/6/2008	Metherell, C.
Ross NE Central	NU142380§	5/6/2008	Metherell, C.
Ross East Central	NU142379§	5/6/2008	Metherell, C.
Ross Links	NU134374§	14/8/2008	Braithwaite, M.E.
Ross Links	NU142374§	14/8/2008	Braithwaite, M.E.
Ross Links	NU143374§	14/8/2008	Braithwaite, M.E.
Ross Links	NU143373§	14/8/2008	Braithwaite, M.E.
Ross Links	NU143375§	14/8/2008	Braithwaite, M.E.
Ross Links	NU143373§	14/8/2008	Braithwaite, M.E.

Ross Links	NU145374§	14/8/2008	Braithwaite, M.E.
Ross Links	NU146371§	14/8/2008	Braithwaite, M.E.
Ross Links	NU146370§	14/8/2008	Braithwaite, M.E.
Ross Links	NU146370§	14/8/2008	Braithwaite, M.E.
Ross Links	NU147371§	14/8/2008	Braithwaite, M.E.
Ross Links	NU137377§	14/8/2008	Ellis, R. W.
Ross Links	NU138376§	14/8/2008	Ellis, R. W.
Ross Links	NU138375§	14/8/2008	Ellis, R. W.
Ross Links	NU141373§	14/8/2008	Ellis, R. W.
Ross Links	NU142075§	14/8/2008	Ellis, R. W.
Ross Links	NU143377§	14/8/2008	Ellis, R. W.
Ross Links	NU146374§	14/8/2008	Ellis, R. W.
Ross Links	NU147378§	14/8/2008	Ellis, R. W.
Ross Links	NU147371§	14/8/2008	Ellis, R. W.
Ross Links	NU136383§	14/8/2008	Metherell, C.
Ross Links	NU136380§	14/8/2008	Metherell, C.
Ross Links	NU136381§	14/8/2008	Metherell, C.
Ross Links	NU137382§	14/8/2008	Metherell, C.
Ross Links	NU141380§	14/8/2008	Metherell, C.
Ross Links	NU141381§	14/8/2008	Metherell, C.
Ross Links	NU143378§	14/8/2008	Metherell, C.
Ross Links	NU144377§	14/8/2008	Metherell, C.
Ross Links	NU144371§	14/8/2008	Metherell, C.
Langleeford North East	NT9522	15/8/2008	Ellis, R.W. & Walker, K.
Holy Island	NU129432§	17/8/2008	Metherell, C.
Ross Links, dunes-slack	NU136379§	20/8/2008	Young, A. & G.
Ross Links, pool	NU141375§	20/8/2008	Young, A. & G.
Ross Links	NU144376§	20/8/2008	Young, A. & G.
Newton Links	NU227269§	29/8/2009	Metherell, C.
Newton Links	NU227271§	29/8/2009	Metherell, C.

Dactylorhiza incarnata subsp. coccinea (Pugsley) Soó. Early Marsh Orchid

National Status: Not Scarce, Waiting.

North Northumberland Status: Rare.

Native perennial herb, this subspecies is found mainly in damp dune slacks, and occasionally in other habitats. This subspecies was not separately mapped until 1968. Nationally its range seems stable although it has declined in some areas due to coastal erosion and scrub development. In the vice county it is confined to dune slacks on Holy Island.

Location	Grid Ref	Date	Recorder
Holy Island	NU098430§	10/6/2008	Metherell, C.
Holy Island Slack 64	NU098433§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU099432§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU100432§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU101435§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU102436§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU102435§	10/6/2008	Metherell, C.

Dactylorhiza incarnata subsp. incarnata (L.) Soó. Early Marsh Orchid*National Status: Not Scarce, Waiting.**North Northumberland Status: Scarce.*

Native perennial herb found in calcareous fens, marshes and wet meadows. Also grows in upland flushes. Nationally the picture is difficult to ascertain as the plant was previously inconsistently recorded. However it is likely that losses have occasioned by drainage. Not recorded outside Holy Island since 1985.

Location	Grid Ref	Date	Recorder
Ross Links	NU135387	9/7/1972	Swan, G.A.
Ross	NU13NW	29/6/1985	Swan, G.A.
Beadnell	NU21J	10/7/1985	Swan, G.A.
Holy Island Slack 64	NU098433§	10/6/2008	Metherell, C.
Holy Island Slack 54	NU099435§	10/6/2008	Metherell, C.
Holy Island Slack 54	NU099436§	10/6/2008	Metherell, C.
Holy Island Slack 55	NU099436§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU099432§	10/6/2008	Metherell, C.
Holy Island Slack 85	NU099431§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU100431§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU100432§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU100435§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU101435§	10/6/2008	Metherell, C.
Holy Island Slack 85	NU101432§	10/6/2008	Metherell, C.
Holy Island Slack 85	NU101431§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU101436§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU101435§	10/6/2008	Metherell, C.
Holy Island Slack 75	NU101434§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU101436§	10/6/2008	Metherell, C.
Holy Island Slack 72	NU102435§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU102436§	10/6/2008	Metherell, C.
Holy Island Slack 57	NU103435§	10/6/2008	Metherell, C.

Dactylorhiza incarnata subsp. pulchella (Druce) Soó. Early Marsh Orchid*National Status: Not Scarce, Waiting.**North Northumberland Status: Rare.*

Native perennial herb of acidic marshes and damp heaths. Nationally the picture is difficult to ascertain as the plant was previously inconsistently recorded. Only recently recorded on Holy Island.

Location	Grid Ref	Date	Recorder
Boulmer	NU21S	13/6/1983	Swan, G.A.
Holy Island Slack 64	NU099433§	10/6/2008	Metherell, C.
Holy Island Slack 83	NU100432§	10/6/2008	Metherell, C.

Dactylorhiza traunsteineroides (Pugsley) R.M Bateman & Denholm.

Narrow Leaved Marsh Orchid

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial favouring damp habitats, marshes, fens, flushes and water meadows. Nationally the distribution appears to be stable. Not seen in the vice county since 1980 at Newham Fen.

Location	Grid Ref	Date	Recorder
Newham Fen	NU168296	20/6/1980	Blakemore, J.
Newham Fen	NU169294	20/6/1980	Blakemore, J.

Dianthus deltoides L.

Maiden Pink

*National Status: Scarce, Near Threatened.**North Northumberland Status: Not Scarce.*

Native perennial herb growing in dry soils, typically over chalk or limestone, basalt and also on sand dunes. Nationally, many sites were lost early in the twentieth century however many of its sites hold small and vulnerable populations. In VC68 the plant has been known since 1769. The site on Warkworth Dunes is included here although considered by some to be a garden escape. The Warkworth site was closely recorded in 2007 and 2008. Two sites in the Vice County are particularly sensitive and accordingly only low resolution information is provided.

Location	Grid Ref	Date	Recorder
Newtown	NU1635	1981	Douglas, C.
Hethpool	NT901285	2004	Hardy, D. and T.H.
Waren Mill	NU13M	23/6/1959	Swan, G.A.
Barrowburn	NT8510	12/7/1959	Swan, G.A.
Harpers Heugh	NU1334	2/7/1960	Swan, G.A.
Hethpool Linn	NT9028	5/8/1961	Swan, G.A.
Harelaw South	NT9025	14/8/1972	Swan, G.A.
Kilham	NT83SE	16/8/1978	Swan, G.A.
Pawston Lake	NT82K	16/8/1978	Swan, G.A.
Sharperton	NT9503	6/7/1983	Swan, G.A.
Lucker	NU13K	26/4/1984	Swan, G.A.
Westnewton	NT9030	27/7/1984	Swan, G.A.
Wooler	NT988269	16/7/1990	Swan, G.A.
Linbriggs	NT8906	6/7/1991	Swan, G.A.
Biddlestone quarry	NU125170	26/6/1999	Hardy, D. & T.H.
Middleton Old Town, by footbridge	NT992241	19/7/2002	Steele, J.
Bamburgh	NU13SE	30/5/2007	NHS Botany Group
Warkworth Dunes	NU261054§	13/5/2008	Braithwaite, M.E.
River Coquet, opposite Bygate Hall	NT867084	2/8/2009	Richards, A.J.
River Coquet	NT894069	2/8/2009	Richards, A.J.
North Northumberland	NU13§	6/6/2009	Metherell, C.
North Northumberland	NU12§	6/6/2009	Metherell, C.
Warkworth Dunes	NU262054§	7/6/2009	Metherell, C.
Warkworth Dunes	NU265054§	7/6/2009	Metherell, C.

Diphasiastrum alpinum (L.) J.Holub.

Alpine Clubmoss

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native evergreen, growing in short acid grassland in montane and moorland areas. Occasionally on acid sands. Nationally the plant has shown little change in its distribution during the 20th century. Known from Cheviot since 1641, the plant may have increased during the latter half of the twentieth century in VC68. However the Crag Hill Quarry site was visited in 2009, and an extensive search failed to re-find the plant, almost certainly due to reactivated quarrying activities.

Location	Grid Ref	Date	Recorder
Harthope Linn	NT9220	13/4/1958	Swan, G.A.
Cheviot Central	NT92A	16/4/1961	Swan, G.A.
Crag Hill, quarry	NU155204	5/6/1989	Swan, G.A.
Harthope Burn	NT923199	3/5/1990	Swan, G.A.
Hen Hole	NT891201	4/9/1991	Swan, G.A.
Cheviot	NT893202§	15/8/2008	Metherell, C.

Diplotaxis tenuifolia (L.) DC.

Perennial Wall Rocket

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb growing in warm, dry habitats, waste ground, walls and banks. Archaeophyte which, nationally, appears to be extending its range. First recorded in VC68 in 1690, it appears to favour locations not far from the coast.

Location	Grid Ref	Date	Recorder
Beadnell	NU22J	17/6/1972	Swan, G.A.
Stamford	NU21J	11/6/1988	Scott, N.
Berwick - Allotment Gardens	NU001528	17/5/2003	Braithwaite, M.E.
Lesbury	NU2311	8/10/2006	Durkin, J.L.

Dryopteris expansa (C.Presl) Fraser-Jenkins and Jermy.

Mountain Buckler Fern

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native deciduous fern, found in open wet woods, around rock outcrops and in sheltered hollows at higher altitudes. Not nationally mapped until 1978, difficulties in identification and nomenclature mean that this species is probably under-recorded. Certainly in VC68, a number of older specimens have been re-determined as other species or hybrids.

Location	Grid Ref	Date	Recorder
The Cheviot, at head of Woolhope	NT922215	23/6/1973	Swan, G.A. & M.
Blindburn	NT81F	11/7/1973	Swan, G.A.
Rugley	NU170103	11/8/1973	Swan, G.A. & M.
Hen Hole	NT892203	14/6/1975	Swan, G.A.

Bizzle	NT898221	14/6/1975	Swan, G.A.
Langleeford Hope	NT944202	6/7/1989	Swan, G.A.
Lemington	NU11SW	30/7/1999	Hardy, D. and T.H.
Bellyside Burn North	NT9022	19/6/2006	Groom, Q.
Hen Hole, large path-side rock	NT883202§	30/7/2007	Young, A. & G.
Bizzle Burn	NT899216§	5/7/2008	Metherell, C.

Dryopteris oreades Fomin.

Mountain Male Fern

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native deciduous fern growing on well drained rocky ledges and screes. Probable under-recorded nationally. Locally plentiful at some of its sites in the vice county.

Location	Grid Ref	Date	Recorder
Hen Hole	NT887203	7/8/1965	Swan, G.A. & M.
Wooler	NT92NE	30/5/1970	Swan, G.A.
Carey Burn	NT963254	30/5/1970	Swan, G.A. & M.
Top of Bizzle Burn	NT903212	23/6/1973	Swan, G.A.
Shillhope Law, andersite scree	NT867094	1/8/1973	Swan, G.A. & M.
Bizzle South West	NT8921	14/6/1975	Swan, G.A.
Alwinton	NT90NW	1/8/1982	Swan, G.A.
Midlem Hill	NT9110	8/8/1987	Swan, G.A. & M.
Kyloe Crags	NU0538	10/8/1998	Durkin, J.L.
Hen Hole	NT82V	9/8/2003	Young, A. & G.
Carey Burn	NT9625	18/6/2006	Groom, Q.

Eleocharis multicaulis (Sm.) Desv.

Many Stalked Spike Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb of acid bogs, heaths and the edges of acidic lakes. Also occurs in dune slacks. Nationally losses through drainage of its habitat have been balanced by better recording, particularly in upland areas. Only one site in the vice county, although not recorded since 1960.

Location	Grid Ref	Date	Recorder
Mount Hooley	NU04K	3/7/1960	Swan, G.A.

Eleocharis uniglumis (Link) Schult.

Slender Spike Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Perennial herb found in mainly coastal habitats, damp dune slacks and brackish grassland. Also occurs in base rich meadows and marshes. Nationally the species' population appears to have remained fairly stable. Known in the vice county since 1858.

Location	Grid Ref	Date	Recorder
Seahouses SE	NU2231	23/6/1959	Swan, G.A.
Saltmarsh to the S of Alnmouth	NU244097	26/7/1969	Swan, G.A.
Embleton Bay	NU22L	17/7/1971	Swan, G.A.
S side of Yarrow Slake	NT985528	6/7/1984	Swan, G.A.
Ord	NT95Q	8/6/1988	Swan, G.A.
Cocklawburn Dunes	NU04I	8/6/2007	Metherell, C.

Elytrigia atherica (Link) Kerguélen.

Sea Couch

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb growing on saltmarshes, shingle banks and sea walls. Nationally the population seems stable although, as in VC68 it is likely that this species has been over-recorded for one or other of its hybrids, and records not verified by a voucher specimen are omitted.

Location	Grid Ref	Date	Recorder
Alnmouth	NU21SW	1988	Swan, G.A.

Epilobium alsinifolium Vill.

Chickweed Willowherb

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial found near upland springs, normally in base rich areas. Also on rock ledges and by streams and rivulets in mountainous areas, especiall in shady habitats. Only recently seen on Cheviot in VC68.

Location	Grid Ref	Date	Recorder
Hen Hole	NT82V	12/7/1970	Swan, G.A.
Birnie Brae	NT82I	22/8/1972	Swan, G.A.
Bellyside Burn South	NT9021	14/8/1991	Groom, Q.
Bizzle Burn	NT899216§	19/7/2006	Metherell, C.

Epilobium anagallidifolium Lam.

Alpine Willowherb

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial stoloniferous herb, found in mountain flushes and by streams. Restricted in VC68 to the Cheviot, where it has been known since 1835.

Location	Grid Ref	Date	Recorder
Dunsdale ravine	NT907211	18/7/1990	Swan, G.A.
Bizzle South West	NT8921	14/8/1991	Swan, G.A.
Hen Hole	NT892201§	30/7/2007	Young, A. & G.
Hen Hole,	NT895202§	30/7/2007	Young, A. & G.
Hen Hole	NT895201§	30/7/2007	Young, A. & G.

Epilobium roseum Schreb.

Pale Willowherb

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial of damp places, often near streams, in woods and even in streets and gutters. Nationally it seems to be slightly declining. Records earlier than that given below are open to some doubt.

Location	Grid Ref	Date	Recorder
Gainslaw Circuit, Whiteadder	NT955527§	31/7/2003	Braithwaite, M.E.

Epilobium tetragonum L.

Square Stalked Willowherb

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb growing in waste ground, quarries and the margins of streams and woods. Nationally the population appears to be stable. Many early records for the UK may be errors for *E. obscurum*. At its northern limit in VC68.

Location	Grid Ref	Date	Recorder
Spindlestone	NU13L	6/1994	Burton, R.M.
Hart Law	NT91W	17/8/2003	Groom, Q.

Epipactis palustris (L.) Crantz.

Marsh Heleborine

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Perennial growing in fens, marshes, damp pastures, and dune slacks. Nationally drainage caused a considerable decline in this species during the twentieth century. Locally plentiful on Holy Island in the vice county. It is increasing at Newham Fen, although high resolution recording has yet to be undertaken.

Location	Grid Ref	Date	Recorder
Holy Island	NU099433	7/7/1980	Blakemore, J.
Newham Fen	NU1629	19/7/1983	Swan, G.A.
Holy Island	NU123432	2000	Howard, V.
Holy Island	NU129436	2000	Howard, V.
Holy Island Slack 6	NU094434	16/8/2008	Swindells, J.
Holy Island Slack 9	NU094437	16/8/2008	Swindells, J.
Holy Island Slack 18	NU096436	16/8/2008	Walker, K.
Holy Island Slack 34	NU097436	16/8/2008	Walker, K.
Holy Island	NU1043	13/6/2009	Berwick Wildlife Group

Epipactis sancta Delforge.

Lindisfarne Heleborine

*National Status: Rare, Endangered.**North Northumberland Status: Rare.*

Native endemic perennial. First recognised as a separate species in 2002, earlier records were recorded as *E. mulleri* var *dunensis*, *E. dunensis* or *E. leptochila*. An endemic found only on Holy Island. The species occurs on a protected site, however perhaps because of recent local publicity, it has been subject to trampling. Accordingly only reduced resolution information is given.

Location	Grid Ref	Date	Recorder
Holy Island	NU14§	7/7/1980	Blakemore, J.
Holy Island	NU04§	15/7/2006	Woodall, R.

Equisetum hyemale L.

Rough Horsetail, Dutch Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native evergreen herb, growing in permanently moist soils, typically in shady woodland beside streams and rivers. Also occurs in flushes and on sand dunes. Nationally although many sites were lost to drainage, many new sites are known due to better recording. First recorded in the vice county in 1848, it is now known from only two sites near the River Coquet.

Location	Grid Ref	Date	Recorder
Warkworth Hermitage	NU2405	1948	Sidebotham, J.
Felton	NU10SE	13/6/1970	Swan, G.A.
Thirston	NZ19NE	13/6/1970	Swan, G.A.
Guyzance	NU20B	02/6/1973	Swan, G.A.

Equisetum variegatum Schleich. ex F. Weber and D. Mohr. Variegated Horsetail*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native evergreen herb, found in widely varying habitats; dune slacks, river shingles and flushes. Nationally there may be evidence of some decline although the species may have been under-recorded in the past. First VC68 record 1883. Perhaps always confined to damp dune slacks on the West end of Holy Island and the North end of Ross Links.

Location	Grid Ref	Date	Recorder
Ross Links	NU133387§	5/1998	Dargie, T
Ross Links	NU135384§	5/1998	Dargie, T
Ross Links	NU135387§	5/1998	Dargie, T
Ross Links	NU137382§	5/1998	Dargie, T
Ross Links	NU138382§	5/1998	Dargie, T
Ross Links	NU139378§	5/1998	Dargie, T

Ross Links	NU139380§	5/1998	Dargie, T
Ross Links	NU140379§	5/1998	Dargie, T
Ross Links	NU145375§	2000	Howard, V.
Holy Island South of Snook House	NU101434	15/7/2006	Woodall, R.
Ross Links	NU132388§	14/8/2008	Walker, K.
Holy Island	NU094434§	15/8/2008	Ellis, R.W.
Holy Island Slack 9	NU094437§	16/8/2008	Stead, M.
Holy Island Slack 18	NU096436§	16/8/2008	Walker, K.
Ross Links	NU138381§	20/8/2008	Young, A. & G.

Erigeron acris L.

Blue Feabane

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual or sometimes perennial herb, preferring well-drained situations; sand dunes, waste heaps, ballast and cinders. Nationally its range seems to be stable. Known in the vice county since 1807 it is at its northern limit as a native here. The Warkworth site was closely recorded in 2008.

Location	Grid Ref	Date	Recorder
Holy Island	NU14SW	29/7/1967	Swan, G.A.
Buston Links	NU20P	12/7/1985	Swan, G.A.
Bamburgh East	NU13X	15/8/1998	Young, A. & G.
Warkworth dunes	NU260058§	13/8/2008	Swindells, J.
Warkworth dunes	NU261057§	13/8/2008	Young, A. & G.
Warkworth dunes	NU263053§	13/8/2008	Young, A. & G.
Ross Links	NU148370§	14/8/2008	Ellis, R.W.

Eryngium maritimum L.

Sea Holly

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Possibly Extinct.*

Native perennial herb occurring on coastal sites, mainly on mobile dunes and occasionally on shingle. Although known in Scotland before 1930 it seems to have almost disappeared from most of its sites there. At its northern limit on the East Coast in the vice county. However, searches of both sites in 2008 and 2009 failed to reveal the plant and it is likely that it is now extinct in the VC.

Location	Grid Ref	Date	Recorder
Warkworth dunes	NU262056	26/7/1969	Swan, G.A.
Alnmouth	NU248103	16/7/1997	Swan, G.A.

Euphorbia exigua L.

Dwarf Spurge

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

Native annual growing in arable fields and disturbed ground, including gardens and waste. An archaeophyte which nationally is in decline due to changes in agricultural practice. First recorded in the vice county in 1829, it was last seen in 1983.

Location	Grid Ref	Date	Recorder
Craster	NU2519	22/7/1983	Swan, G.A.

Euphrasia frigida Pugsley.

Upland Eyebright

*National Status: Scarce, Data Deficient.**North Northumberland Status: Rare.*

A native annual growing on wet cliff ledges. No evidence of population change nationally although almost certainly under-recorded. In the vice county known only from the Cheviot, its only English site outside the Lake District.

Location	Grid Ref	Date	Recorder
Hen Hole, near waterfall	NT887203	5/8/1961	Swan, G.A. & M.
Hen Hole	NT893199	5/8/1961	Swan, G.A. & M.
Hen Hole	NT893201	5/8/1961	Swan, G.A. & M.
Goldscleugh ravine	NT912215	26/7/1989	Swan, G.A.

Euphrasia micrantha Reichenb.

Slender Eyebright

*National Status: Not Scarce, Data Deficient.**North Northumberland Status: Scarce.*

Native annual growing in damp acid heaths and moorland. Also found in disturbed habitats such as gravel pits. Nationally the population is thought to be fairly stable although it has declined in South East England. Probably under-recorded in VC68.

Location	Grid Ref	Date	Recorder
Dry moor near to Debdon	NU063035	27/8/1961	Swan, G.A. & M.
Langlee	NT9623	14/8/1964	Yeo, P.F.
Titlington Burn	NU116162	16/7/1966	Swan, G.A. & M.
Bar Moor	NT980377	1/7/1968	Swan, G.A. & M.
Fulhope	NT815099	10/8/1968	Swan, G.A. & M.
Sandyford Burn	NU112253	8/8/1971	Swan, G.A. & M.
Old railway near to Summit Cottage	NU148122	12/8/1972	Swan, G.A. & M.

Euphrasia nemorosa (Pers.) Wallr.

Common Eyebright

*National Status: Not Scarce, Data Deficient.**North Northumberland Status: Scarce.*

Native annual growing in short grassland, heaths, dunes and open scrub. Nationally the population appears stable. Possibly included here due to under recording rather than scarcity.

Location	Grid Ref	Date	Recorder
Kyloe Hills	NU0439	1958	Perring, F.H.
Shawdon, old railway near to	NU077153	17/8/1963	Swan, G.A. & M.
Rugley, old railway near to	NU172108	22/7/1967	Swan, G.A. & M.
Blindburn	NT824107	10/8/1968	Swan, G.A. & M.

Haydon Dean	NT956430	17/8/1968	Swan, G.A. & M.
Makendon	NT80E	26/7/2008	Metherell, C.

Euphrasia officinalis subsp. monticola Silverside. Montane Eyebright

National Status: Scarce, Vulneable.

North Northumberland Status: Rare.

Native annual found in upland hay meadows. Possibly under-recorded through difficulties in identification. It has only been found in the upper Coquet valley on one occasion.

Location	Grid Ref	Date	Recorder
Makendon	NT802093	10/8/1968	Swan, G.A. & M.

Euphrasia officinalis subsp. pratensis Schubl & G. Martens

Rostkov's Eyebright

National Status: Scarce, Vulnerable.

North Northumberland Status: Rare.

Native annual growing in damp hay meadows, pastures and roadsides. Nationally probably declining through agricultural development. It has been found at only one site in the vice county.

Location	Grid Ref	Date	Recorder
Hay meadow, Langleeford	NT954223	19/6/2006	Groom, Q.

Euphrasia scottica Wettst. Scottish Eyebright

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native annual associated with flushes and wet moorland in upland areas. Nationally there is a degree of confusion as to its distribution due to identification difficulties. Probably under-recorded nationally.

Location	Grid Ref	Date	Recorder
Goldsleugh	NT913230	18/8/1962	Swan, G.A. & M.
Breamish	NT948160	21/8/1964	Swan, G.A. & M.
Debdon Burn, head of	NU068059	31/7/1971	Swan, G.A. & M.

Festuca arenaria Osbeck. Rush Leaved Fescue

National Status: Scarce, Waiting List.

North Northumberland Status: Scarce.

Native perennial found on sand dunes and open shingle and occasionally on cliff tops and rough ground near the sea. A difficult taxonomic proposition, there now being two subspecies which were not differentiated at the time the VC68 records were made

and further work may reveal that both are present within the Vice County. Nationally the species is spread widely, if thinly around the coast, save for north west Scotland. First recorded in the Vice County in 1919.

Location	Grid Ref	Date	Recorder
Bamburgh	NU185350	13/6/1989	Swan, G.A.
Newton Links	NU232266	14/6/1989	Swan, G.A.
Monks House	NU2033	1/7/2007	Groom, Q.
Warkworth Dunes	NU2506	5/7/2007	Groom, Q.
Ross Links	NU1437	14/8/2008	Ellis, R.W.

Festuca vivipara (L.) Sm.

Viviparous Fescue

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native perennial found in upland pastures, open woodland, ledges and slopes. Nationally its distribution is stable. Confined to the Cheviot in VC68, where it has been known since 1829.

Location	Grid Ref	Date	Recorder
Hen Hole South	NT8919	21/8/1971	Swan, G.A.
Bizzle South West	NT8921	2/9/1989	Swan, G.A.
Cheviot Summit	NT9020	9/9/1991	Swan, G.A.
Hen Hole	NT893201§	30/7/2007	Harle, B. & Young, G.
Hen Hole, steep wet gully	NT892200§	30/7/2007	Young, A. & G.
Upper Hen Hole, west flank	NT893201§	15/8/2008	Young, A. & G.

Filago vulgaris Lam.

Common Cudweed

National Status: Not Scarce, Near Threatened.

North Northumberland Status: Not Scarce.

Native annual, being either spring or autumn germinating. It favours dry, open, acidic to neutral substrates in a wide range of habitats. Nationally there has been a progressive decline in populations, most marked in the south, possibly due to changes in agricultural practice and cultivation of marginal ground. Known in the Vice County since 1807.

Location	Grid Ref	Date	Recorder
East Learmouth	NT83T	10/8/1958	Swan, G.A.
Kyloe Hills	NU0439	20/8/1958	Swan, G.A.
Waren Mill	NU13M	31/5/1959	Swan, G.A.
Dunstanburgh	NU22K	10/7/1962	Swan, G.A.
Lilburn Hill	NU20C	4/8/1962	Swan, G.A.
Branxton	NT83Y	31/5/1971	Swan, G.A.
Ratcheugh	NU2214	6/7/1971	Swan, G.A.
Craster	NU2519	19/8/1971	Swan, G.A.
Turvelaws	NT9922	27/5/1972	Swan, G.A.
Kilham	NT83W	16/8/1978	Swan, G.A.
Weetwood Bridge	NU0129	25/8/1979	Swan, G.A.
Holburn	NU03N	18/7/1982	Swan, G.A.

Linhope	NT91NE	27/10/1982	Swan, G.A.
Threestoneburn	NT92Q	27/10/1982	Swan, G.A.
Haggerston	NU04SW	2/7/1984	Swan, G.A.
Kyloe Mill	NU0440	7/6/1985	Swan, G.A.
Spindlestone	NU1533	19/7/1985	Swan, G.A.
Ewart Park	NT93SE	12/10/1989	Swan, G.A.
Bewick	NU20SE	12/8/1996	Swan, G.A.
Millfield Airfield	NT944331	15/6/2006	Groom, Q.
Brada Hill	NU160339§	20/5/2007	Young, A. & G.

Filipendula vulgaris Moench.

Dropwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb of grassland over chalk or limestone, also found in coastal heaths. Although the species has declined in the South of England its population seems stable elsewhere. First recorded in 1853 in the vice county, but not seen since 1987.

Location	Grid Ref	Date	Recorder
Between Bradford & Goldenhill	NU159323	1/7/1967	Swan, G.A.
Wark	NT8238	30/6/1968	Swan, G.A.
Spindlestone	NU153338	20/6/1987	Swan, G.A.

Fumaria capreolata subsp. babingtonii (Pugsley) Sell.

White Ramping Fumitory

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual normally found in hedges, on cliffs, arable land and in gardens. Nationally the plant has declined inland but appears stable at its coastal stations. First recorded in the vice county in 1837.

Location	Grid Ref	Date	Recorder
Holy Island W Central	NU1242	13/7/1974	Swan, G.A.
Spindlestone	NU13L	6/1994	Burton, R.M.
Holy Island SW	NU1241	23/7/2006	Metherell, C.

Fumaria densiflora DC.

Dense Flowered Fumitory

*National Status: Scarce, Least Concern.**North Northumberland Status: Not Scarce.*

Annual archaeophyte of arable land, generally favouring chalk but also found on freely draining soils. Nationally it has declined due to changes in farming practice, and its distribution shows two main areas of occurrence, in the south east and the north east, from Northumberland to north of the Tay. Known in the Vice County since 1868.

Location	Grid Ref	Date	Recorder
Embleton	NU22G	26/7/1970	Swan, G.A.
River Tweed	NT855386	28/5/1971	Swan, G.A.
West Horton	NU025312	25/8/1979	Swan, G.A.
Rock Mill	NU213214	25/7/1982	Swan, G.A.
Birling	NU20N	8/8/1982	Swan, G.A.
Lint Haugh	NT9336	24/8/1984	Swan, G.A.
Heatherslaw	NT9338	24/8/1984	Swan, G.A.
Beal	NU04SE	23/7/1985	Swan, G.A.
Tiptoe	NT94A	27/7/1987	Swan, G.A. & M.
Tweed Villa	NT895467	4/9/1987	Swan, G.A.
Waren Mill	NU13M	18/10/1989	Swan, G.A.
Holy Island	NU14SW	19/8/1990	Swan, G.A.
Beadnell	NU22J	30/7/1997	Swan, G.A.
Bamburgh Moor	NU1735	11/5/2003	Groom, Q.
Whiteadder Point	NT972521§	30/5/2003	Braithwaite, M.E.
Needles Eye	NT996549§	24/7/2003	Braithwaite, M.E.

Fumaria purpurea Pugsley.

Purple Ramping Fumitory

*National Status: Scarce, Least Concern.**North Northumberland Status: Probably Extinct.*

Native annual growing on hedge banks, arable land and gardens. Nationally it seems to be stable although it may be under recorded. It appears to be extinct in the vice county, the Embleton site having been destroyed.

Location	Grid Ref	Date	Recorder
Embleton East	NU2322	20/6/1983	Swan, G.A.

Galeopsis speciosa Miller.

Large Flowered Hemp Nettle

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Annual of cultivated and waste land. An archaeophyte, this species had declined rapidly during the twentieth century as a result of changes in farming practices and improved weed control. Known in the vice county since 1829 it has not been seen since 1984.

Location	Grid Ref	Date	Recorder
Prendwick	NU01B	2/8/1958	Swan, G.A.
Kirknewton	NT93A	29/7/1964	Swan, G.A.
Mindrum	NT83L	24/7/1984	Swan, G.A.
East Lilburn	NU02L	1/8/1984	Swan, G.A.

Galium boreale L.

Northern Bedstraw

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb growing in damp sites - rocky places, ledges and screes. It also occurs in flushes, river shingle, lake shores and stabilised sand dunes. The species appears to have declined in England, although it is stable in Scotland. Known in VC68 only from the Tweed catchment area.

Location	Grid Ref	Date	Recorder
Twizel	NT84SE	30/6/1968	Swan, G.A.
Carham	NT7938	1/8/1990	Swan, G.A.

Galium sternerii Ehrend.

Limestone Bedstraw

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Perennial herb found in short grassland over limestone and other basic rocks. Also grows on scree, rock ledges and limestone pavement. Nationally, whereas upland habitats are stable, the species has declined in lowland grassland because of agricultural improvement.

Location	Grid Ref	Date	Recorder
Linbriggs	NT893065	1954	Swan, G.A.
Bizzle South West	NT8921	1955	Swan, G.A.
Bizzle	NT898223	26/8/1988	Swan, G.A.
Raven Crag	NT929102	2/7/1992	Swan, G.A.
Bizzle	NT898218	6/7/2003	Meek, E.

Genista anglica L.

Petty Whin

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native shrub found on grassy heaths, damp unimproved pastures and around the drier fringes of bogs. Nationally there has been a substantial decline in populations, particularly in England and southern Scotland. Its sites are generally suitable for agricultural improvement on the one hand or become overgrown if grazing is removed on the other. Known in the Vice County since 1831.

Location	Grid Ref	Date	Recorder
Harehope Farm	NU0920	21/8/1960	Swan, G.A.
Rothbury	NU00SE	21/8/1961	Swan, G.A.
Eglingham	NU11NW	1/7/1970	Swan, G.A.
East Horton	NU03SW	28/5/1972	Swan, G.A.
Weetwood	NU02E	26/5/1973	Swan, G.A.
Fredden Hill	NT92N	27/5/1973	Swan, G.A.
Beanley Plantation	NU01Y	28/5/1973	Swan, G.A.
Amierside Moor	NU02Y	28/5/1973	Swan, G.A.

Crockley's Haugh	NU0503	1/9/1973	Swan, G.A.
Wandystead	NU00Y	19/8/1979	Swan, G.A.
Holburn	NU03N	18/7/1982	Swan, G.A.
Kimmer Crags	NU11D	2006	Poppleton, R.
Hunterheugh Crags	NU115171	4/6/2006	Angel, J.

Genista tinctoria L.

Dyer's Greenweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native deciduous shrub growing in meadows and old pastures, heaths, cliffs and road verges. The species has been in considerable decline since the 1940s, mainly through the loss of old pastures. First recorded in VC68 in 1829 and not seen after 1893. However planted in 1999 at a new pond at Branton and included on that basis.

Location	Grid Ref	Date	Recorder
Branton	NU0416	15/8/2000	Hope, J.

Gentianella amarella subsp. septentrionalis (L.) Börner. Autumn Gentian*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native annual or biennial herb found on sand dunes and machair, and in more montane areas on ledges and limestone grassland. Poorly recorded nationally it has only been found recently in three areas in the vice county.

Location	Grid Ref	Date	Recorder
Howdiemont	NU2615	27/8/1985	Swan, G.A.
Bamburgh	NU185350	15/8/1991	Swan, G.A.
Cockburnlaw Dunes	NU032431§	9/6/2008	Metherell, C.
Holy Island	NU101433§	4/7/2008	Metherell, C.
Ross Links	NU132388§	14/8/2008	Walker, K.
Ross Links	NU137383§	14/8/2008	Metherell, C.
Ross Links	NU139037§	14/8/2008	Metherell, C.
Holy Island	NU095433§	15/8/2008	Ellis, R. W.
Holy Island	NU095435§	15/8/2008	Ellis, R. W.
Holy Island	NU104434§	15/8/2008	Ellis, R. W.
Holy Island Slack 9	NU093436§	16/8/2008	Stead, M.
Holy Island	NU093434§	16/8/2008	Walker, K.
Holy Island Slack 9	NU094437§	16/8/2008	Swindells, J.
Holy Island	NU094435§	16/8/2008	Walker, K.
Holy Island	NU096433§	16/8/2008	Walker, K.
Holy Island	NU119434§	16/8/2008	Braithwaite, M.E.
Holy Island	NU120433§	16/8/2008	Braithwaite, M.E.
Holy Island	NU121432§	16/8/2008	Braithwaite, M.E.
Holy Island	NU121436§	16/8/2008	Braithwaite, M.E.
Holy Island	NU104431§	17/8/2008	Metherell, C.
Holy Island	NU129433§	17/8/2008	Metherell, C.
Holy Island	NU129437§	17/8/2008	Metherell, C.
Holy Island	NU130435§	17/8/2008	Metherell, C.

Geranium columbinum L.

Long Stalked Cranesbill

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual found on dry grassland and open scrub. Also found on sand dunes, cliff slopes, hedge banks, field margins and old quarries. Nationally there has been a marked decline in the distribution of this species since 1950, probably due to habitat destruction and scrub encroachment. Always on whin (dolerite) in VC68.

Location	Grid Ref	Date	Recorder
Waren Mill	NU13M	24/6/1967	Swan, G.A.
Spindlestone	NU150342	20/6/1980	Blakemore, J.

Glaucium flavum Crantz.

Yellow Horned Poppy

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native, short lived perennial, growing on stony banks and shingle and occasionally on loose cliffs. Despite pressure on ocastral sites generally, the species' distribution seems to be relatively stable nationally. In North Northumberland, only seen once at Alnmouth in 1984, almost certainly as a casual and not seen since in what is a well-botanised area.

Glebionis segetum (L.) Fourr.

Corn Marigold

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Annual of light sandy soils, historically found in arable fields, roadsides and waste ground. Included as an archaeophyte which has been in the UK since the Iron Age. In the nineteenth century it was a common arable weed.

Location	Grid Ref	Date	Recorder
Chathill	NU12Y	21/6/1959	Swan, G.A.
Birling	NU20N	8/8/1982	Swan, G.A.
Berwick	NT95SE	19/7/1991	Young, A. & G.
South of Bamburgh	NU177347	2002	O'Reilly, J.

Gnaphalium sylvaticum L.

Heath Cudweed

*National Status: Not Scarce, Endangered.**North Northumberland Status: Scarce.*

Native perennial herb growing on heaths, sand pits, dunes, forestry rides and tracks. Nationally this appears to be a declining species. The first record in the vice county dates from 1807, but not seen since 1976. A searches of the Thrunton Wood and Ratcheugh sites in 2009 failed to reveal the plant.

Location	Grid Ref	Date	Recorder
Ratcheugh	NU21H	26/7/1970	Swan, G.A.
Hulne Park	NU11S	20/5/1972	Swan, G.A.
Bamburgh West	NU13S	17/6/1972	Swan, G.A.
Wolf Hole	NU00W	19/5/1973	Swan, G.A.
Forest road near Thrunton Wood	NU074086	21/11/1976	Swan, G.A.

Goodyera repens (L.) R.Br.

Creeping Ladies Tresses

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb growing in natural and planted coniferous woodland, usually of *P. sylvestris*. Nationally the species seems to be declining although new introductions may occur with pine seedlings. First recorded in the vice county in 1898 at Ewart Park where it still occurred in 1991.

Location	Grid Ref	Date	Recorder
Dingle Bungalow	NU0538	5/8/1973	Swan, G.A.
Ewart Park	NT958315	23/7/1991	Swan, G.A.

Groenlandia densa (L.) Fourn.

Opposite Leaved Pondweed

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Rare.*

Perennial herb of shallow water, it grows in lakes and rivers, ponds and canals, and occasionally ditches. The species has declined nationally due to eutrophication and the loss of habitats because of a falling water table. Not recorded between 1890 and 1999, however it has been planted at its new location, which is included for completeness.

Location	Grid Ref	Date	Recorder
Branton	NU0416	1999	Hope, J.

Hordeum secalinum Schreber.

Meadow Barley

*National Status: Not Scarce, Least concern.**North Northumberland Status: Rare.*

Native perennial grass found in meadows, pastures and on roadsides. The national distribution appears to be stable. The record from VC68 represents the northern limit of this species.

Location	Grid Ref	Date	Recorder
Easington, roadside near to	NU132347	2/7/1993	Swan, G.A.

Hymenophyllum tunbridgense (L.) Sm.

Tunbridge Filmy Fern

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial fern growing in often deeply shaded habitats. Also in upland boulder scree. The distribution of this species appears to be stable although nationally many small populations have probably been overlooked. The sole VC68 site represent the species most northerly station on East Coast.

Location	Grid Ref	Date	Recorder
Cateran Hill	NU101232§	15/2/2006	Young, A. & G.

Hyoscyamus niger L.

Henbane

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native perennial herb found on dry calcareous soils, sand hills, and waste ground. An archaeophyte recorded from the bronze age un the UK it has markedly declined for the last 100 years, a decline which appears to be continuing.

Location	Grid Ref	Date	Recorder
Waren Mill	NU13M	15/7/1959	Swan, G.A.
Berwick	NT95W	2/7/1966	Swan, G.A.
Holy Island SW	NU1241	23/7/1966	Swan, G.A.
Dunstanburgh	NU22K	11/10/1970	Swan, G.A.
Kirkley Hall	NU13I	16/8/1972	Swan, G.A.
Coast near Longhoughton	NU262156	4/11/1979	Swan, G.A.
Redbarns Links	NU1934	9/6/1983	Swan, G.A.
Boulmer	NU21S	3/8/1985	Swan, G.A.
Road leading to Low Steads	NU263156	5/7/1994	Swan, G.A.
Longhoughton Quarry	NU233153	6/8/2003	McKay, M.

Juncus subnodulosus Schrank.

Blunt Flowered Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Perennial herb often growing in dense stands in fens, marshes, wet meadows and ditches. The UK population seems stable, as, although losses have occurred, new sites have been discovered. This is to some extent mirrored in the Vice County.

Location	Grid Ref	Date	Recorder
Newham Fen	NU168296	20/6/1980	Blakemore, J.
Cornhill, near to	NT858385	23/8/1988	Swan, G.A.
Newton Pool	NU241240	16/7/1992	Swan, G.A.
Bamburgh dunes	NU19383459	24/8/2005	Young, A. & G.

Lactuca virosa L.

Great Lettuce

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual or biennial herb, occurring on coastal cliffs, rock outcrops and sand dunes. Also grows on waste, woodland margins and in quarries. Nationally the species may be increasing, its spread assisted by road development. Mainly restricted in VC68 to the Tweed catchment area.

Location	Grid Ref	Date	Recorder
Chainbridge	NT95F	9/6/1962	Swan, G.A.
Horncliffe	NT94J	1/6/1963	Swan, G.A.
Twizel	NT84W	28/6/1968	Swan, G.A.
Till/Tweed	NT84R	29/6/1968	Swan, G.A.
Norham East	NT84D	24/5/1970	Swan, G.A.
Twizzel Stead	NT8743	30/5/1971	Swan, G.A.
Railway near to Buston Barns,	NU237076	12/7/1995	Swan, G.A.
Ross Links	NU144376§	14/8/2008	Braithwaite, M.E.

Lamium hybridum Vill.

Cut Leaved Dead Nettle

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual found in cultivated and disturbed ground. Nationally it is an increasing species, presumably because of its ability to exploit new conditions. First found in the vice county in 1829.

Location	Grid Ref	Date	Recorder
Till/Tweed	NT84R	29/6/1968	Swan, G.A.
Holy Island	NU123423	27/6/1987	Swan, G.A.
Cornhill	NT853395	14/10/1999	Swan, G.A.
Fields N of Berwick	NT996549§	18/4/2003	Braithwaite, M.E.
East Hope	NT95X	24/7/2003	Braithwaite, M.E.
Near Low Cocklaw	NT949532§	2/8/2003	Braithwaite, M.E.

Lathraea squamaria L.

Toothwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual or perennial parasitic herb, growing on the roots of a number of trees and shrubs. Habitats thus include woodland and hedgerows. Nationally the species seems to be declining slightly for reasons which are unknown. Not seen in the VC since 1984.

Location	Grid Ref	Date	Recorder
Cornhill West	NT83P	6/6/1959	Swan, G.A.
Till/Tweed	NT84R	29/6/1968	Swan, G.A.
Twizel	NT84SE	23/5/1970	Swan, G.A.

Thirston	NZ19NE	13/6/1970	Swan, G.A.
Alnwick	NU11W	8/5/1971	Swan, G.A.
Chainbridge	NT95F	3/6/1979	Swan, G.A.
Guyzance	NU20B	13/6/1983	Swan, G.A.
Norham East	NT94NW	23/5/1984	Swan, G.A.

Lathyrus aphaca L.

Meadow Vetchling

*National Status: Scarce, Vulnerable.**North Northumberland Status: Rare.*

Native annual of open grassy habitats on chalk or limestone. Nationally only native in the south, most of the decline in population appears to have occurred as a result of loss of more casual records. Known in the Vice County since 1892, there is only one recent record.

Location	Grid Ref	Date	Recorder
Tynely	NU1724	1967	Thompson, R.S.G.

Lathyrus japonicus subsp. maritimus (L.) P.W.Ball.

Sea Pea

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb found on shingle beaches. Nationally the population appears stable, perhaps re-inforced by the arrival of drift seeds from other areas. Not found in the vice county until 1969 it seems unlikely that it was present much earlier as it is a very conspicuous plant and unlikely to be overlooked. Searches at its Warkworth site from 2007 to 2009 failed to reveal the plant, and it is known that it has also been lost from at least one of its Birling Links sites due to dune slippage.

Location	Grid Ref	Date	Recorder
Birling Links	NU257067	20/5/1978	Swan, G.A.
Warkworth East	NU20NE	23/6/1987	Swan, G.A.
Birling Links	NU255072	7/7/1994	Swan, G.A.

Legousia hybrida (L.) Delarbre.

Venus' Looking Glass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Probably Extinct.*

Native annual of arable farmland. Can also be found as a casual on road embankments and other disturbed sites. This species has shown a substantial decline nationally since the 1940s due to changes in farming practice. A single site in the vice county where it was recorded in a cornfield, however it has not been seen since 1983, despite searches in 2008 and 2009 and there appears now to be no suitable habitat. Probably extinct.

Location	Grid Ref	Date	Recorder
Craster	NU2519	22/7/1983	Swan, G.A.

Lepidium campestre (L.) R.Br.

Field Pepperwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual of arable farmland. Can also be found as a casual on road embankments and other disturbed sites. This species has shown a substantial decline nationally since the 1940s due to changes in farming practice. Historical records from the North-East of the VC, and a new, confirmed record as recently as 2005.

Location	Grid Ref	Date	Recorder
Beanley Plantation	NU01Y	28/6/2005	Poppleton, R.

Lepidium draba subsp. draba (L.) Desv.

Hoary Cress

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb of roadsides, railway tracks, waste ground, sand dunes and upper saltmarshes. A neophyte, introduced through Swansea in 1802 its range appears to be expanding nationally. First record in VC68 in 1892. The Warkworth site covers several hundred square metres and appears to be expanding.

Location	Grid Ref	Date	Recorder
Berwick Central	NT9953	30/5/1962	Swan, G.A.
Berwick East	NU05SW	18/7/1963	Swan, G.A.
Howick Hall	NU21N	12/6/1976	Swan, G.A.
Littlehoughton	NU21I	13/5/1987	Swan, G.A.
Alnmouth	NU250107	25/9/1992	Aitchison & Crowther
Belford	NU13SW	18/7/1996	Swan, G.A.
Meadow Haven	NU006528§	5/8/2003	Braithwaite, M.E.
Warkworth Dunes	NU263051§	6/6/2008	Metherell, C.
Warkworth Dunes	NU264051§	6/6/2008	Metherell, C.
Warkworth Dunes	NU264050§	6/6/2008	Metherell, C.
Warkworth Dunes	NU265050§	6/6/2008	Metherell, C.
Warkworth Dunes	NU265051§	6/6/2008	Metherell, C.
Warkworth Dunes	NU266050§	6/6/2008	Metherell, C.
Warkworth Dunes	NU266051§	6/6/2008	Metherell, C.
Alnmouth	NU250107§	14/5/2009	Metherell, C.

Lepidium heterophyllum Bentham.

Smith's Pepperwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial growing in dry heaths, shingle, railway ballast and occasionally arable fields. The national population appears stable save in South East England where it appears to be declining. First recorded in the vice county in 1837.

Location	Grid Ref	Date	Recorder
Boulmer	NU21S	7/7/1959	Swan, G.A.
Lilburn Grange	NU02H	23/6/1063	Swan, G.A.
Turvelaws	NT9929	26/5/1973	Swan, G.A.
Ewart park	NT93SE	23/10/1989	Swan, G.A.
Milfield airfield	NT944331	15/6/2006	Groom, Q.

Lepidium latifolium L.

Dittander

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial growing on the sides of creeks, sea walls, ditches and upper saltmarshes. Its national population as a native is obscured by its presence as an introduction. In VC68 its situation is far from clear, however there is only a single record from 1975. Mapped in the 2000 Atlas as an introduction in VC68, it may however be a possible native.

Location	Grid Ref	Date	Recorder
Scremerston	NU023495	1/7/1980	Blakemore, J.

Lepidium ruderales L.

Narrow Leaved Pepperwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Annual or sometimes biennial archeophyte, found on bare land and waste places near the sea. Also, as in VC68, in areas subject to salt spray, such as road verges inland. Nationally the species appears to be declining. First recorded in the VC in 1854

Location	Grid Ref	Date	Recorder
Rothbury, roadside	NU068036	15/7/1998	Humphreys, J.M.
Rothbury, B6341	NU068037	28/8/2000	Humphreys, J.M.
Rothbury, B6341	NU072038	28/8/2000	Humphreys, J.M.
Rothbury, B6341	NU067036	25/9/2000	Swan, G.A.

Ligusticum scoticum L.

Scots Lovage

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial, growing on rocky shores, cliffs, shingle and stable sand dunes. Nationally the plant is entirely confined to Scottish and Northern Irish coasts with the exception of the North Northumberland records which represent the plant's southern limit on the east coast. That said, searches of Holy Island in 2008 and 2009 failed to reveal any plants. It has been suggested that its requirement for cold and wet conditions may be limiting the southern extent of this species.

Location	Grid Ref	Date	Recorder
Scremerston	NU029486	14/8/1965	Swan, G.A.
Holy Island	NU1242	19/9/1970	Swan, G.A.
Holy Island	NU104436	7/7/1980	Blakemore, J.
Bamburgh	NU189350	29/7/1981	Swan, G.A.
Holy island	NU117435	29/8/1985	Swan, G.A.
Goswick	NU052458	23/8/1988	Swan, G.A.
Scremerston	NU053483	12/7/1990	Swan, G.A.
Scremerston	NU056455	29/8/1991	Swan, G.A.
Scremerston	NU129486	2/7/1994	Swan, G.A.
Scremerston	NU134483	2/7/1994	Swan, G.A.
Bamburgh	NU191349	24/8/2005	Young A. & G.
Cockburnlaw	NU135476	1/7/2006	Aungier, F. & Miller, R.
Cockburnlaw	NU034479	9/8/2006	NHS Botany Group

Limonium vulgare Miller.

Common Sea Lavender

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found in muddy saltmarshes and occasionally amongst rocks and sea walls. Nationally the population seems stable. A single site in the vice county where it has been known since 1807 and where it still occurs.

Location	Grid Ref	Date	Recorder
Holy Island, St Cuthbert's Isle	NU122416§	9/6/2007	Young, A. & G.
Holy Island, St Cuthbert's Isle	NU123415§	9/6/2007	Young, A. & G.

Littorella uniflora (L.) Ascherson.

Shoreweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb growing in lakes, reservoirs, rivers and streams, and even flooded dune slacks. An apparent national decline has been offset by better recording. First seen in the vice county in 1829.

Location	Grid Ref	Date	Recorder
Swinhoe Lakes	NU0735	13/9/1959	Swan, G.A.
Holy Island Snook E	NU14B	22/6/1974	Swan, G.A.
Pawston Lake	NT82K	24/7/1984	Swan, G.A.
Holy Island Quarry Pond	NU132435	1991	Jeffries, M.
Cragside East	NU0702	1996	Humphreys, J.M.
Holy Island Snook	NU04W	28/6/2002	Young, A. & G.

Lotus tenuis Waldst. & Kit. ex Willd.

Narrow Leaved Birdsfoot Trefoil

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Probably Extinct.*

Native perennial herb growing in coastal marshes and on sea walls. Inland it occurs on rough grassland and in gravel, sand, chalk and clay pits. Nationally the limits of

its native range are unclear due to its occurrence as a casual. Native in VC68 until the last plants were destroyed sometime after 1968. A single casual occurrence since then, but not persisting. Probably extinct.

Location	Grid Ref	Date	Recorder
Embleton Golf Course	NU22L	1968	Thompson, R.S.G.
Alnmouth - Alnwick Road	NU204125	4/8/1973	Swan, G.A.

Lycopus europaeus L.

Gypsywort

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native perennial herb growing in wet habitats, banks of streams, lakes, ditches, fens and also at the tops of beaches and in dune slacks. Nationally its distribution appears stable, losses being replaced by colonisation of new sites. The 2001 record refers to planted specimens.

Location	Grid Ref	Date	Recorder
Pawston Lake	NT82K	24/7/1984	Swan, G.A.
River Tweed, Upsettlington	NT893463	17/8/1984	Swan, G.A.
Branton	NU0416	2001	Hope, J.
Thropton South	NU0201	18/10/2006	Durkin, J.L.

Lysimachia nummularia L.

Creeping Jenny

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native evergreen perennial growing in damp woodlands and hedges, often by streamsides. Nationally the limits of its native range are difficult to determine due to garden escapes a situation which is mirrored in the vice county where some sites appear to be likely introductions. If native at the northern limit of its range.

Location	Grid Ref	Date	Recorder
Howick Hall	NU21N	12/6/1976	Swan, G.A.
Thrunton Wood	NU00U	2/12/1985	Swan, G.A.
Greenrigg	NU21A	21/8/1987	Scott, N.E.
Beadnell	NU22NW	6/9/1999	Swan, G.A.
Langleeford NE	NT9522	15/8/2008	Ellis, R.W.& Walker, K.

Lythrum portula (L.) D.A.Webb.

Water Purslane

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native annual herb growing at the muddy margins of pools, rutted tracks and woodland rides. Nationally losses have occurred due to drainage. However the plant is now much better recorded and this has tended to obscure the overall picture.

Location	Grid Ref	Date	Recorder
Craggyhall	NU0934	1/7/1960	Swan, G.A.
Pond near Broomhouse	NU038276	14/7/1960	Swan, G.A.
Alnham	NT91V	4/9/1960	Swan, G.A.
Low Bleakhope	NT91H	21/8/1964	Swan, G.A.
Hazeltonrigg	NT9810	5/7/1984	Swan, G.A.
Near Ingram Hill	NU011159	21/8/1992	Swan, G.A.
Branton	NU01NW	1992	Swan, G.A.

Matricaria chamomilla L.

Scented Mayweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Annual growing on arable land and waste places. An archaeophyte it is increasing nationally. Known in the vice county since 1807.

Location	Grid Ref	Date	Recorder
Black Heddon	NU036399	28/7/1983	Swan, G.A.
Beadnell	NU22NW	29/7/1983	Swan, G.A.
Fowberry Park	NU02I	11/8/1984	Swan, G.A.
Rennington	NU21NW	3/8/1992	Swan, G.A.
Tolts Plantation	NT9250	13/9/1995	Swan, G.A.
Haggerston Castle	NU04L	27/7/1999	Swan, G.A.

Medicago arabica (L.) Hudson.

Spotted Medick

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual growing in grassy places near the coast. Nationally the species is increasing and although it occurs as a casual, and has appeared as such in VC68, its present only extant site possibly represents an extension of its range.

Location	Grid Ref	Date	Recorder
Alnmouth	NU248108	17/6/2000	Swan, G.A.

Moenchia erecta (L.) P. Gaertner.

Upright Chickweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual herb growing on grasslands, heath, coastal dunes and shingle. Nationally the species has suffered a considerable decline. Known in the vice county since 1851, it is here at its northern limit. The Craster, Hips Heugh site was searched in 2009, however it is now covered in gorse and unsuitable for the plant. Spindleston South Hill was also searched in 2009, and although suitable, the plant could not be refound.

Location	Grid Ref	Date	Recorder
Dunstanburgh	NU22K	20/5/1962	Swan, G.A.
Budle	NU163355	15/5/1965	Swan, G.A.
Waren Mill	NU13M	25/6/1966	Swan, G.A.
Chesterhill	NU131343	28/5/1967	Swan, G.A.
Bamburgh West	NU13S	28/5/1967	Swan, G.A.
South Hill	NU157338	6/6/1981	Swan, G.A.
Spindlestone, South Hill	NU154333	9/6/1983	Swan, G.A.
Craster	NU2519	10/6/1983	Swan, G.A.
Hips Heugh	NU251186	5/6/1991	Swan, G.A.

Myosotis stolonifera (DC.) Gay ex Leresche & Levier.

Pale Forget Me Not

National Status: Scarce, Least Concern.

North Northumberland Status: Not Scarce.

Native perennial found in a wide variety of montane habitats, although absent from limestone. It favours spring lines and flushes and the sides of pools and streams. Not recognised as a species in Britain until 1926.

Location	Grid Ref	Date	Recorder
Chew Green	NT70Z	10/8/1968	Swan, G.A.
Bizzle Burn	NT898226	12/7/1970	Swan, G.A.
Dunsdale	NT8923	22/8/1972	Swan, G.A.
Lofy Hill	NT81L	1/8/1973	Swan, G.A.
Braydon Burn	NT885213	2/10/1977	Swan, G.A.
Birnie Brae	NT82I	5/8/1980	Swan, G.A.
Fawcett Shank	NT890229	10/8/1980	Swan, G.A.
Cairn Hill	NT907192	13/7/1984	Swan, G.A.
Blindburn	NT81F	13/7/1984	Swan, G.A.
Bellyside Burn	NT909217	26/8/1988	Swan, G.A.
Hen Hole	NT896205	3/8/1989	Swan, G.A.
Allerhope Burn	NT9210	2/7/1992	Swan, G.A.
Hen Hole	NT895203	26/6/2005	Meek, E.
Bellyside Burn	NT9022	19/6/2006	Groom, Q.
Bizzle Burn	NT899224§	5/7/2008	Metherell, C.
Mounthooly	NT8822	15/8/2008	Swindells, J.
Cheviot	NT871294§	15/8/2008	Metherell, C.

Myriophyllum alteriflorum DC.

Alternate Water Milfoil

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native aquatic perennial growing as a submerged plant in both still and flowing water. Nationally although there has been some loss in southern England the species is stable. First recorded in VC68 in 1868.

Location	Grid Ref	Date	Recorder
Swinhoe Lakes	NU0735	13/9/1959	Swan, G.A.
Heddon Hill	NU01I	27/9/1959	Swan, G.A.
Harehope Farm	NU0920	14/7/1960	Swan, G.A.
Debdon Lake	NU0602	25/8/1984	Swan, G.A.

Alnwick	NU11SE	9/7/1989	Swan, G.A.
Hagdon	NU12SW	9/7/1989	Swan, G.A.

Neottia nidus-avis (L.) L.C.M.Richard.

Bird's Nest Orchid

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native saprophytic perennial growing in densely shaded woods, particularly under Fagus. Nationally the species has suffered a substantial decline during the twentieth century, probably due to changes in woodland management. Known in the vice county since 1831.

Location	Grid Ref	Date	Recorder
Brinkburn	NZ1198	20/7/1968	Swan, G.A.
Guyzance	NU20B	2/6/1973	Swan, G.A.
Brinkburn	NZ1198	29/6/1980	Swan, G.A.
Christon Bank	NU22B	20/7/1980	Swan, G.A.
Near Woodend	NT960406	6/6/1989	Swan, G.A.

Nuphar lutea (L.) Sm.

Yellow Water Lily

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial growing in lakes and slow flowing rivers, and occasionally large ditches. Nationally its distribution appears stable. Within the vice county it is not always easy to ascertain whether the species has been planted at a specific site and no attempt has been made to differentiate the records given. Known in the vice county since 1868. The 1999 record refers to planted specimens.

Location	Grid Ref	Date	Recorder
Howick	NU2517	7/7/1959	Swan, G.A.
Swinhoe Lakes	NU0735	13/9/1959	Swan, G.A.
Criston Bank South	NU22SW	1/8/1970	Swan, G.A.
Branton	NU0416	1999	Hope, J.
East Bolton	NU11I	2006	Poppleton, R.

Nymphaea alba L.

White Water Lily

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial growing in lakes and slow flowing rivers, and occasionally bogs. Nationally its distribution appears stable although the position may be obscured by introductions. Within the vice county it is not always easy to ascertain whether the species has been planted at a specific site and no attempt has been made to differentiate the records given. Known in the vice county since 1868.

Location	Grid Ref	Date	Recorder
Swinhoe Lake	NU0735	22/7/1968	Swan, G.A.

Oenanthe aquatica (L.) Poiret.

Fine Leaved Water Dropwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial growing in still or slow moving water, ponds, and ditches. Also occurs in open vegetation near water bodies. This species has declined nationally, particularly in the east of its range. At its northern limit in VC68, where it has been known at one site since 1872.

Location	Grid Ref	Date	Recorder
West Lilburn	NU012243	4/7/1958	Bangerter, E.B.
Lilburntower Farm	NU013243	5/8/1961	Swan, G.A.
Brandon	NU01N	23/6/1963	Swan, G.A.

Onopordum acanthium L.

Cotton Thistle

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Biennial herb growing in fields, hedgerows and waste places. An archaeophyte known in the UK since the Iron Age, it appears to be increasing nationally, possibly as an escape from gardens. The Alnmouth site is well-botanised and the plant not seen since the original 1972 record.

Location	Grid Ref	Date	Recorder
Alnmouth	NU21K	12/8/1972	Swan, G.A.
Earle	NT92Y	16/7/1990	Swan, G.A.

Ophioglossum vulgatum L.

Adder's Tongue

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Deciduous fern growing in open woodland, meadows, damp pastures and on sand dunes. Nationally it has been lost from many sites due to changes in agricultural practice. Known in the vice county since 1869. The Craster site was searched in 2008 and 2009 without success.

Location	Grid Ref	Date	Recorder
Holy Island Snook	NU04W	28/7/1983	Swan, G.A.
Ross	NU13NW	5/8/1991	Swan, G.A.
Scremerston	NU031479	29/6/1992	Swan, G.A.
Dancing Green Hill, near to	NU066332	18/6/1997	Swan, G.A.
Craster to Dunstamburgh path	NU258205	10/5/2006	Young, A. & G.
Cocklawburn Dunes	NU025490	2000	Howard, V.
Cocklawburn Dunes	NU035476	1/7/2006	Aungier, F. & Manning, R.
Scremerston, Cocklawburn Dunes	NU033481	1/7/2006	Manning, R.
Scremerston	NU04E	9/8/2006	NHS Botany Group

Ophrys apifera Hudson.

Bee Orchid

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial growing in a great many habitats, from lawns to sand dunes and roadsides to limestone pavements. For many years its most northerly stations were in Co. Durham (VC66), however more recently it appears to have begun to move northwards, reaching North Northumberland by 2004.

Location	Grid Ref	Date	Recorder
Newton Links	NU230268	18/6/2004	Freeman, M.

Ornithopus perpusillus L.

Bird's Foot

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual growing in short grassland, around rock outcrops, on sand dunes and heaths. Nationally its population appears stable. First recorded in the vice county in 1958.

Location	Grid Ref	Date	Recorder
Reaveley Greens	NU0118	13/7/1958	Swan, G.A.
Calder	NU01E	30/6/1973	Swan, G.A.
Ross Links Central	NU1337	14/8/2008	Ellis, R.W.
Ross Links N Central	NU1338	14/8/2008	Walker, K.

Orthilia secunda (L.) House.

Serrated Wintergreen

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native evergreen perennial growing in open moorland and woodland, rocky stream banks and clefts in gullies. Nationally the species has been in decline although this may have been halted during the 1970s. One site in the vice county where it was discovered in 1834.

Location	Grid Ref	Date	Recorder
Yeavinger Bell	NT929295	15/10/1991	Swan, G.A.

Osmunda regalis L.

Royal Fern

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native fern of fen-carr woodland, ditches, river banks and lake shores. Nationally it suffered from the predations of Victorian fern collectors although it is recovering in

some areas. Not known in the vice county since 1890, save for a record, almost certainly as an introduction at Howick.

Location	Grid Ref	Date	Recorder
Howick Hall grounds	NU250174	5/9/2007	Young, A. & G.

Papaver argemone L.

Prickly Poppy

National Status: Not Scarce, Vulnerable.

North Northumberland Status: Scarce.

Annual growing in arable fields. An archaeophyte, it has declined nationally with the increased use of herbicides. Scattered records in the vice county where it has been known since 1807, but has not been recorded since 1977.

Location	Grid Ref	Date	Recorder
Wooler	NT92NE	7/1938	Swan, G.A.
Mindrum	NT83SW	10/8/1958	Swan, G.A.
Kilham	NT83W	27/7/1962	Swan, G.A.
Akeld	NT92P	7/8/1970	Swan, G.A.
Gallow Law	NU01U	26/6/1977	Swan, G.A.

Parapholis incurva (L.) C.E.Hubbard.

Curved Hard Grass

National Status: Scarce, Least Concern.

North Northumberland Status: Rare.

Native annual grass growing in bare places by the sea - shingle ridges, gravelly mud, rock ledges, cliff tops and the upper parts of saltmarshes. Inconspicuous and probably still under-recorded nationally. First VC68 record is from 1893, it is restricted to a single site at Warkworth Dunes where the population was completely mapped in 2008-2009.

Location	Grid Ref	Date	Recorder
Warkworth Dunes	NU209056§	6/6/2008	Metherell, C.
Warkworth Dunes	NU258058§	6/6/2008	Metherell, C.
Warkworth Dunes	NU258057§	6/6/2008	Metherell, C.
Warkworth Dunes	NU259056§	6/6/2008	Metherell, C.
Warkworth Dunes	NU259055§	7/6/2009	Metherell, C.
Warkworth Dunes	NU260054§	7/6/2009	Metherell, C.
Warkworth Dunes	NU260055§	7/6/2009	Metherell, C.

Parapholis strigosa (Dumort.) C.E.Hubbard.

Hard Grass

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native annual grass growing in damp places by the sea. Typically found in the upper parts of saltmarshes, mud banks, shingle, sand dunes and sea walls. Nationally the population appears stable. First recorded in the vice county in 1835.

Location	Grid Ref	Date	Recorder
Black Low	NU0841	4/7/1959	Swan, G.A.
Waren Mill	NU13M	15/7/1959	Swan, G.A.
Southfield	NU2030	15/7/1959	Swan, G.A.
Beal	NU04SE	16/8/1972	Swan, G.A.
Ross	NU13NW	16/8/1972	Swan, G.A.
Alnmouth	NU21K	23/6/1989	Swan, G.A.
Brunton Burn	NU225271	20/7/1995	Swan, G.A.
Belford	NU13SW	18/7/1996	Swan, G.A.
Holy Island, dune-slack	NU104433	27/7/2005	Young, A. & G.
Holy Island, near Snook car-park	NU104434	27/7/2005	Young, A. & G.
Warkworth, top of saltmarsh	NU258058§	8/7/2006	Young, A. & G.
Warkworth Dunes	NU259056§	13/8/2008	Metherell, C.

Parentucellia viscosa (L.) Caruel.

Yellow Bartsia

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native hemiparasitic annual with, nationally, a distinctly south western distribution although it occurs up the west coast as far as Glasgow. In the Vice County it is undoubtedly introduced, perhaps in seed mixtures.

Location	Grid Ref	Date	Recorder
Denwick Quarry	NU210145	2/10/1971	Swan, G.A.

Paris quadrifolia L.

Herb Paris

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb found in damp woodland and occasionally on limestone pavements. An indicator species for ancient woodland. Nationally the species declined substantially prior to 1930, with some further loss in South East England since then. First recorded in the vice county in 1831.

Location	Grid Ref	Date	Recorder
Preston	NU1825	5/5/1959	Swan, G.A.
Shilbottle	NU20NW	27/6/1970	Swan, G.A.
Rugley	NU11Q	26/6/1971	Swan, G.A.
Guyzance	NU20B	2/6/1973	Swan, G.A.
Whittingham	NU01SE	28/8/1973	Swan, G.A.
Detchant Wood	NU081373	1/6/1996	Swan, G.A.
Newham Fen	NU169294§	19/6/2008	Metherell, C.
Newham Fen	NU169293§	15/8/2008	Braithwaite, M.E. & P.

Pastinaca sativa L.

Wild Parsnip

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native biennial herb found in grassland, roadsides, railway banks and rough ground. Nationally the distribution of the species is stable, and indeed may be increasing. Known in the vice county since 1869 as a weed of cultivated fields. Not seen during extensive surveys of Warkworth Dunes during 2008 and 2009.

Location	Grid Ref	Date	Recorder
Seahouses	NU23SW	1950	Wanless, T.W.
Low Buston	NU20I	8/8/1959	Swan, G.A.
Norham West	NT84Y	2/7/1966	Swan, G.A.
Warkworth East	NU20NE	23/8/1975	Swan, G.A.
Berwick - Roadside	NT977514	22/8/1990	Swan, G.A.

Persicaria bistorta (L.) Samp.

Common Bistort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial found in damp pastures, meadows and river banks and also on mountain ledges and roadsides. Nationally it's native range is difficult to discern as many records relate to introductions, however overall its population appears stable. First recorded in North Northumberland in 1769.

Location	Grid Ref	Date	Recorder
Thirston	NZ19NE	13/6/1970	Swan, G.A.
Horncliffe	NT94J	30/5/1971	Swan, G.A.
Chainbridge	NT95F	3/6/1979	Swan, G.A.
Denwick	NU206144	17/6/1988	Swan, G.A.
Craster	NU21P	28/5/2005	Young, A. & G.
Brunton Bridge	NU2515	30/7/2006	Metherell, C.
Powburn West	NU0516	12/10/2006	Durkin, J.L.
East Lilburn	NU0423	31/10/2006	Durkin, J.L.

Persicaria lapathifolia (L.) S.F.Gray.

Pale Persicaria

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual of open and disturbed ground, cultivated fields, margins of streams and ponds and waste ground. Nationally its distribution is stable. Known in the vice county since 1869.

Location	Grid Ref	Date	Recorder
Hound Dean	NU2306	8/8/1959	Swan, G.A.
Akeld	NT92P	7/8/1970	Swan, G.A.
Boulmer Hall Farm	NU262145	1991	Jeffries, M.
Weldon Bridge	NZ19J	24/8/1994	Swan, G.A.

Swarland Fence	NU1501	25/8/1995	Swan, G.A.
Gainslaw Circuit, Whiteadder	NT955527§	31/7/2003	Braithwaite, M.E.

Persicaria mitis (Weihe) Opiz.

Tasteless Water Pepper

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Rare.*

Native annual growing beside ponds, lakes and rivers, and in ditches and damp hollows. Nationally under-recorded due to confusion with other species. First recorded in the vice county in 1936.

Location	Grid Ref	Date	Recorder
Detchant	NU0836	31/7/1985	Swan, G.A.

Peucedanum ostruthium (L.) Koch.

Masterwort

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

Native perennial herb found in damp grassland and by streams and rivers. An archaeophyte its national distribution appears stable. First recorded in the vice county in 1868.

Location	Grid Ref	Date	Recorder
Howick	NU2517	31/8/1972	Swan, G.A.

Phleum arenarium L.

Sand Cat's Tail

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Annual grass growing on coastal dunes and sandy shingle. Nationally its distributions appears stable. First recorded in the vice county in 1807. Not seen during extensive surveys of Warkworth Dunes during 2008 and 2009.

Location	Grid Ref	Date	Recorder
Buston Links	NU20P	6/8/1966	Swan, G.A.
Shilbottle	NU20NW	15/7/1969	Swan, G.A.
Alnmouth	NU2410	15/7/1969	Swan, G.A.
Holy Island	NU111433	8/10/1978	Swan, G.A.
Warkworth East	NU20NE	18/6/1983	Swan, G.A.
Alnmouth	NU250107	25/9/1992	Aitchison & Crowther

Picris hieracioides L.

Hawkweed Oxtongue

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native biennial or perennial herb found on roadsides, railway embankments, quarries and lime pits. Nationally the species is fairly stable although there have been some losses in the northern parts of its range. First recorded in the vice county in 1857.

Location	Grid Ref	Date	Recorder
Kirknewton	NT93A	29/7/1964	Swan, G.A.
Brunton	NU22C	30/7/1971	Swan, G.A.
Railway crossing near Detchant Lodge	NU097370	21/8/1985	Swan, G.A.

Pimpinella major (L.) Hudson.

Greater Burnet Saxifrage

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb found on roadsides, railway embankments and hedge banks. Nationally the distribution of this species seems stable, perhaps because it is now better recorded in some areas. First recorded in the vice county in 1769.

Location	Grid Ref	Date	Recorder
Dogberry Plantation, roadside near to	NU160251	15/8/1981	Swan, G.A.
Whittle Colliery	NU1706	11/9/1987	Swan, G.A.

Platanthera bifolia (L.) L.C.M.Richard.

Lesser Butterfly Orchid

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Rare.*

Native perennial herb found in grassland, open scrub, woodleand edges and morland. Nationally the species has suffered a considerable decline over the last one hundred years through drainage, agricultural intensification and increased grazing. A similar decline can be seen in the vice county where a single population is all that remains of what was once a more widespread species. One site is particularly fragile and accordingly only restricted information is given.

Location	Grid Ref	Date	Recorder
River Coquet	NU252055	3/9/1994	Tanner, I.
North Northumberland	NU12§	19/6/2008	Metherell, C.

Poa compressa L.

Flattened Meadow Grass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb of dry rough ground, banks, waysides and walls. Probably under-recorded and thus difficult to assess in terms of national distributional trends.

The same appears to be true in VC 68, where the few records probably do not represent the true picture.

Location	Grid Ref	Date	Recorder
Ilderton	NU0121	10/7/1977	Swan, G.A.
NT999243	NT999243	5/7/1980	Swan, G.A.
Rock	NU22A	20/7/1980	Swan, G.A.
South Charlton	NU1620	10/7/1995	Swan, G.A.
Happy Valley	NT9924	8/8/1997	Swan, G.A.
Little Mill N.W.T. Reserve	NU228173	11/8/1998	Swan, G.A.

Polemonium caeruleum L.

Jacob's Ladder

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Perennial herb found on steep limestone scree and river cliffs. Nationally the native range of the species seems to be stable. It is widely distributed as a garden escape (such records being omitted from the list below). The native population in the vice county is one of only three areas in where the species is found as a native.

Location	Grid Ref	Date	Recorder
Holystone	NT90SE	9/6/1968	Swan, G.A.
Norham East	NT94NW	24/5/1970	Swan, G.A.
Linbriggs	NT894068	17/8/1980	Blakemore, J.
Sharperton	NT957035	25/6/1992	Aitchison & Crowther
Ridlees Burn	NT849062	13/7/1996	Swan, G.A.
River Coquet	NT894069	13/7/1996	Swan, G.A.

Polygonatum odoratum (Miller) Druce.

Angular Solomon's Seal

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native perennial herb growing in ash woodlands on lime, frequently on limestone pavements. Nationally its distribution seems to have stabilised after much loss in the twentieth century. Known in the vice county from a single site on dolerite, where it was first found in 1829 (incidentally the first English record).

Location	Grid Ref	Date	Recorder
Kyloe	NU048391	15/6/1969	Swan, G.A.

Polygonum oxyspermum subsp. raii (Bab.) D.A. Webb and Chater. Ray's Knotgrass

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Annual or sometime short-lived perennial found on sand or shingle beaches. Formerly under-recorded nationally its population seems stable. Known in the vice county since 1868.

Location	Grid Ref	Date	Recorder
Holy Island, harbour	NU128417	30/8/1969	Swan, G.A.
Boulmer	NU267143	30/7/1971	Swan, G.A.
Longhoughton Steel	NU264155	2/10/1971	Swan, G.A.
Holy Island	NU120436§	16/8/2008	Metherell, C.

Polygonum rurivagum Jordan ex Boreau.

Cornfield Knotgrass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual found in arable fields and road verges. An archaeophyte which is now better-recorded than in the mid-twentieth century. Many new sites may be due to translocated topsoil. First recorded in the vice county 1992.

Location	Grid Ref	Date	Recorder
Roundabout on A1 N of Berwick	NT990547	21/10/1992	Braithwaite, M.E.
Coupland cross-road	NT946316	14/9/1998	Swan, G.A.
Adderstone	NU132300	7/10/1998	Swan, G.A.
Brunton Bridge	NU230255	6/9/1999	Swan, G.A.
Paxton turning	NT973529§	7/8/2003	Braithwaite, M.E.
A1	NT989546	7/8/2003	Braithwaite, M.E.

Polystichum setiferum (Forsskål) Moore ex.Woynar.

Soft Shield Fern

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native semi-evergreen fern growing in deciduous woodland, hedgebanks, streamsides and also on limestone pavements. Nationally its population is stable.

Location	Grid Ref	Date	Recorder
Horncliffe House	NT934505	30/5/1971	Swan, G.A.
Marshall Meadows	NT980516	24/4/1976	Swan, G.A.
Marshall Meadows	NT980566	24/4/1976	Swan, G.A. & M.
Chainbridge	NT95F	3/6/1979	Swan, G.A.
Ford Castle grounds	NT945377	22/5/1983	Swan, G.A.
Swinhoe Farm	NU090353	1/6/1996	Swan, G.A.
Railway near Lemmington	NU11SW	30/7/1999	Hardy, D. & T.
Lucker	NU1530	26/10/2006	Durkin, J.L.

Potamogeton coloratus Hornem.

Fen Pondweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb of shallow water, found in pools, streams and ditches. Nationally the species has shown a considerable decline due to drainage and eutrophication. Known from near Dunstanburgh Castle since 1849. Unfortunately

the pond at that site no longer exists and the plant has thus vanished, leaving Newham Fen as its only location in VC68.

Location	Grid Ref	Date	Recorder
Small pond near Dunstanburgh	NU252222	31/1/1984	Swan, G.A.
Newham Fen	NU169294§	15/8/2008	Braithwaite, M.E. & P.

Potamogeton graminus L.

Various Leaved Pondweed

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native perennial found in shallow water bodies, including lakes, ponds, rivers, streams and ditches. The species appears to have declined nationally since 1930 probably due to eutrophication and the draining of ditches. First found in the vice county on the Holy Island site as recently as 1961.

Location	Grid Ref	Date	Recorder
Craggside	NU00R	6/9/1989	Swan, G.A.
Holy Island, old limestone quarry pond	NU131438	3/9/2005	Young, A. & G.

Potamogeton lucens L.

Shining Pondweed

National Status: Not Scarce, Endangered.

North Northumberland Status: Scarce.

Native perennial herb growing in relatively deep water in lakes, large rivers and flooded gravel pits. Nationally there is some evidence of a decline in some areas. Known in the vice county since 1829, where it is now confined to the Tweed catchment.

Location	Grid Ref	Date	Recorder
Horncliffe	NT94J	9/8/1958	Swan, G.A.
Cornhill West	NT83P	10/8/1958	Swan, G.A.
River Tweed, near Twizel station	NT870432	3/7/1965	Swan, G.A. & M.
Norham West	NT84Y	24/5/1970	Swan, G.A.
Union Bridge, R Tweed	NT934511	15/5/1972	Holmes, N.T.H.
Chainbridge	NT95F	27/5/1974	Swan, G.A.
R Tweed	NT877441	1978	Holmes, N.T.H.
R Tweed	NT908482	1978	Holmes, N.T.H.
R Tweed NE of Union Bridge	NT934511	14/6/1991	Croft, J.M. & Preston, C.D.
R Tweed near Twizel Boathouse	NT870434	25/6/1992	Hollingsworth, P. & Preston, C.D.

Potamogeton obtusifolius Mert and Koch.

Blunt Leaved Pondweed

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native perennial herb found in standing water and in the backwaters of rivers. Nationally it appears to have declined throughout much of its range. Known in the vice county since 1837.

Location	Grid Ref	Date	Recorder
Swinhoe Lake	NU077353	13/9/1959	Swan, G.A. & M.
Thropton	NU00F	18/10/1964	Swan, G.A.
Barelees Bog	NT872385	1/7/1968	Swan, G.A. & M.
Nelly's Moss Lakes	NU080023	8/9/1978	Richards, A.J.
Pawston Lake	NT82K	24/7/1984	Swan, G.A.
Cragside	NU00R	6/9/1989	Swan, G.A.

Potentilla anglica Laicharding.

Trailing Tormentil

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb found on heaths, woodland borders and the edges of fields. Nationally the species appears to have declined since 1950 in the South and East of England. Known in the vice county since 1837.

Location	Grid Ref	Date	Recorder
Wark	NT83NW	16/8/1969	Swan, G.A.
Swarland Wood	NU10L	4/8/1973	Swan, G.A.
East Learmouth	NT8637	25/8/1973	Swan, G.A.
Longframlington	NU10SW	21/8/1977	Swan, G.A.
Kidland Forest Central	NT91A	29/7/2004	Hardy, D. and T.H.
Framlington Gate	NU10B	24/5/2007	Metherell, C.

Potentilla argentea L.

Hoary Cinquefoil

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

Native perennial herb found in open grasslands, pastures, banks and waste ground. Nationally it may be in slow decline due to habitat loss. Discovered at its only VC68 site in 1971.

Location	Grid Ref	Date	Recorder
Milfield airfield near Woodbridge	NT948334	23/10/1989	Swan, G.A.

Potentilla tabernaemontani Ascherson.

Spring Cinquefoil

*National Status: Not Scarce, Least Concern..**North Northumberland Status: Rare.*

Native perennial herb growing in open habitats, coastal limestone and inland crags on basic rock. Nationally the species has declined overall. Known from one site in the vice county since 1829, however it has not been seen since 1992, and a search of the site in 2009 failed to reveal the plant.

Location	Grid Ref	Date	Recorder
Spindlestone South Hill	NU155338	15/5/1992	Swan, G.A.

Pseudorchis albida (L.) Á. and D. Löve.

Small White Orchid

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Probably Extinct.*

Native perennial growing in well-drained hill pastures, streamsides and mountain grasslands. Nationally the plant appears to have declined substantially. Known in the vice county since 1879, there appears to be no record since 1970. Almost certainly extinct.

Location	Grid Ref	Date	Recorder
Alnwick Moor, railway embankment	NU11	1970	Thompson, R.S.G.

Pulicaria dysenterica (L.) Bernh.

Common Fleabane

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb growing in damp open habitats, water meadows, by streamsides, ditches, dune slacks, sea cliffs and roadside verges. Nationally its distribution is stable. Known in the vice county since 1807. The 1999 record refers to planted specimens.

Location	Grid Ref	Date	Recorder
Greenrigg	NU21A	28/8/1971	Swan, G.A.
Twizel Boathouse	NT870431	1998	Gornall, R.J.
Horncliffe West	NT9249	1998	Gornall, R.J.
Branton	NU0416	1999	Hope, J.
Weldon Bridge	NZ19J	2/9/2007	Metherell, C.
Kirknewton	NT93A	2/5/2008	Metherell, C.
Holy Island	NU122432§	16/8/2008	Braithwaite, M.E.

Pyrola media Swartz.

Intermediate Wintergreen

*National Status: Scarce, Vulnerable.**North Northumberland Status: Probably Extinct.*

Native perennial growing in well-drained soils in woods and on heaths. Appears to have declined nationally although some older records may be errors for *P. minor*. First seen in the vice county in 1829 it may possibly occur on Ross Links where it has not been observed to flower and thus the identity of the species remains open.

Pyrola rotundiflora subsp. rotundiflora L.

Round Leaved Wintergreen

*National Status: Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native evergreen perennial growing in fens, disused chalk pits and dune slacks. Nationally there seems to have been a marked decline in this species. Due to drainage in the nineteenth century the and the plant was lost from several locations, however

the plant is increasing substantially on Holy Island. One site is particularly fragile and accordingly only restricted information is given.

Location	Grid Ref	Date	Recorder
Ross Links	NU132385	30/6/1979	Swan, G.A.
Holy Island	NU103436	7/7/1980	Blakemore, J.
North Northumberland	NU12§	20/6/1980	Blakemore, J.
Holy Island Primrose Bank	NU099433	18/3/2006	Young, A. & G.
Holy Island Snook	NU100434	15/7/2006	Woodall, R.
Holy Island	NU099433§	12/6/2009	Steele, J.

Radiola linoides Roth.

Allseed

National Status: Not Scarce, Near Threatened.

North Northumberland Status: Rare.

Native annual growing in acid grasslands and heaths, by ponds, woodland rides and dune slacks. The species has declined substantially since 1930 on a national basis. First recorded in the vice county in 1829, it may now be lost from its one remaining site in the vice county, not having been found when Ross was surveyed in 2008 and 2009.

Location	Grid Ref	Date	Recorder
Ross	NU13NW	19/6/1960	Swan, G.A.

Ranunculus baudotii Godron.

Brackish Water Crowfoot

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native annual or perennial herb found in coastal lagoons, ditches and dune slacks. Its inland sites include flooded mineral workings and canals. Nationally its population seems to be stable. First recorded in the vice county in 1856.

Location	Grid Ref	Date	Recorder
Seahouses, near quarry pond	NU224314	23/6/1959	Swan, G.A. & M.
Howick, pond	NU254174	7/7/1959	Swan, G.A. & M.
South Low	NU075436	31/7/1965	Swan, G.A. & M.
Cocklawburn Beach	NU04J	2/8/1975	Swan, G.A.
Scremerston	NU036476	2/8/1975	Swan, G.A. & M.
Ross	NU13NW	30/6/1979	Swan, G.A.
Goswick	NU054454	17/6/1983	Swan, G.A.
Seahouses	NU23SW	4/7/1983	Swan, G.A.
Stamford	NU21J	5/6/2004	Craster, E.M. & Herd, E.

Ranunculus circinatus Sibth.

Fan Leaved Water Crowfoot

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb founding in still or slowly flowing water. Nationally it has declined across its range due to habitat destruction and eutrophication. This decline has been reflected in the vice county where it remains in only one site.

Location	Grid Ref	Date	Recorder
Bowmont Water, pond at Mindrummill	NT850334	24/7/1984	Swan, G.A.

Ranunculus lingua L.

Greater Spearwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb found in fens, marshes, the edges of ditches, ponds and rivers. Although nationally the plant has declined as a native, it is now frequently introduced and its distribution is now masked by this. The 1999 record refers to planted specimens.

Location	Grid Ref	Date	Recorder
Ingram	NU01D	14/8/1939	Swan, G.A.
Spindlestone	NU1533	31/5/1959	Swan, G.A.
Middleton Hall	NU0935	22/8/1968	Swan, G.A.
Holy Island	NU100436	11/8/1980	Blakemore, J.
Alnmouth	NU249113	27/5/1988	Swan, G.A.
Branton	NU0416	1999	Hope, J.
Littlemill reserve	NU227172	2/8/2003	Craster, E.M. & Herd, E.
Dunstanburgh pond	NU225215§	23/6/2008	Metherell, C.

Ranunculus sardous Crantz.

Hairy Buttercup

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual growing in damp coastal pastures, wet hollows, verges and farm gateways. Nationally the species has declined inland although its distribution remains stable on the coast. Known in the vice county since 1837 but not seen since 1979.

Location	Grid Ref	Date	Recorder
Waren Mill	NU1434	31/5/1959	Swan, G.A.
Spindlestone	NU1533	23/7/1966	Swan, G.A.
Newton Village	NU2424	31/8/1972	Swan, G.A.
Holy Island	NU14SW	7/7/1979	Swan, G.A.

Rhynchospora alba (L.) Vahl.

White Beak Sedge

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial found in bogs, wet heaths and mires. Nationally its distribution has been stable since the mid-twentieth century. Known in the vice county since 1828 it is now only recorded from a single site, where it has only been seen once.

Location	Grid Ref	Date	Recorder
Holburn Moss	NU055365	30/9/1967	Swan, G.A.

Ribes spicatum Robson.

Downy Currant

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native shrub found in limestone woods, streamsides, ravines and limestone pavements. Probably under-recorded nationally and locally.

Location	Grid Ref	Date	Recorder
Denwick	NU2014	12/5/1974	Swan, G.A.
N bank of Coquet near Pauperhaugh	NU090001	24/5/1989	Swan, G.A.
River Coquet, N bank	NZ091999	24/5/1989	Swan, G.A.
River Coquet, N bank near Elyhaugh	NZ162003	23/4/1990	Swan, G.A.
River Coquet, N bank at Elyhaugh	NZ160999	23/4/1990	Swan, G.A.
Woodland next to Cawledge Burn	NU183107	6/10/2002	Groom, Q.

Rosa arvensis Hudson.

Field Rose

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Deciduous shrub found on woodland edges, roadside edges, railways and hedgerows. Nationally the population appears stable. Known in the vice county since 1807.

Location	Grid Ref	Date	Recorder
North Charlton	NU12SE	30/7/1971	Swan, G.A.
Preston	NU186253	30/7/1971	Swan, G.A. & M.
Preston	NU196245	8/9/1994	Swan, G.A.
Falldon Hall	NU205242	11/8/1998	Swan, G.A.

Rosa micrantha Borrer ex.Sm.

Small Flowered Sweetbriar

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native deciduous shrub found in woodland, scrub and hedgerows, sea cliffs, disused quarries and railway embankments. Nationally under-recorded it may have declined

somewhat in some areas. A single record since its discovery in the VC in 1878, where it at it is northern limit as a native.

Location	Grid Ref	Date	Recorder
Weldon	NZ139993	17/8/1994	Swan, G.A.

Rosa tomentosa Sm.

Harsh Downy Rose

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native deciduous shrub found on woodland edges, hedgerows, scrub, rough grassland, heaths and disused quarries. Probably under-recorded due to identification difficulties. A single record in the vice county in 1994.

Location	Grid Ref	Date	Recorder
Alnmouth, near Waterside House	NU239107	12/10/1994	Swan, G.A. & M.

Rubus saxatilis L.

Stone Bramble

National Status: Not Scarce, Least Concern.

North Northumberland Status: Scarce.

Native perennial herb growing on crags, in ravines and rocky woodland. Nationally the distribution is fairly stable. First recorded in the vice county in 1849.

Location	Grid Ref	Date	Recorder
Roddam	NU0220	23/6/1963	Swan, G.A.
Bizzle South West	NT8921	14/6/1975	Swan, G.A.
Hill Head	NU11A	12/7/1975	Swan, G.A.
Dueshill Wood	NT970006	1990	Barber & Cooke
Bizzle Burn North	NT82W	19/7/2006	NHS Botany Group

Rumex maritimus L.

Golden Dock

National Status: Not Scarce, Least Concern.

North Northumberland Status: Rare.

Native annual or short-lived perennial growing on the margins of ponds and lakes, rivers and ditches, and in marshy hollows in fields. Nationally the distribution of this species appears stable, losses being balanced by the plant's spread to new sites. Known in the vice county since 1832.

Location	Grid Ref	Date	Recorder
Palinsburn	NT83Z	22/7/1972	Swan, G.A.
Wark	NT83NW	20/8/1984	Swan, G.A.
River Till at Etal	NT927396	5/8/1995	Swan, G.A.

Rumex pulcher L.

Fiddle Dock

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native biennial or perennial herb of dry coastal pastures and disturbed grasslands and roadsides. Nationally it is found as a native in the south and its occurrence in North Northumberland may be as a casual. The only Vice County record is from Holy Island, published in 1972.

Ruppia maritima L.

Beaked Tasselweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Submerged native annual or perennial, growing in brackish waters, in ponds on saltmarshes and creeks and ditches near the sea. Nationally many sites have been lost through coastal developments and the species is declining. First recorded in the vice county in 1850.

Location	Grid Ref	Date	Recorder
Yarrow Slake	NT987531	23/8/1988	Swan, G.A.
Lowmoor Point	NU095399	1/10/1996	Swan, G.A.
River Tweed, top of saltmarsh	NT977527	8/1999	Groom, Q.
Berwick	NT95W	1/9/2004	McKay, M.

Ruscus aculeatus L.

Butcher's Broom

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native evergreen shrub, growing in dry woods and hedgerows and on cliffs and rocks near the sea. Native in southern England, it has been known in the Vice County since the middle of the nineteenth century.

Location	Grid Ref	Date	Recorder
Berrington	NU04B	5/8/1972	Swan, G.A.
Roddam	NU0220	2/5/1984	Swan, G.A.
Preston	NU12X	9/5/1984	Swan, G.A.
Etal	NT93J	14/9/1998	Swan, G.A.

Salix myrsinifolia Salisb.

Dark Leaved Willow

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native shrub or small tree found on rocks or gravelly river banks, lake shores and occasionally by wet woodland margins. Nationally its distribution is stable. First recorded in the vice county in 1829.

Location	Grid Ref	Date	Recorder
Pauperhaugh Wood	NZ0999	19/5/1957	Swan, G.A.
Barrowburn	NT867107	17/5/1959	Swan, G.A.
Holy Island	NU096437	6/6/1964	Swan, G.A.
Harthope Burn	NT92SE	1970	Howitt, R.C.L.
Bowdsen	NT94SE	23/5/1984	Swan, G.A.
Newham Fen	NU169293§	15/8/2008	Braithwaite, M.E. & P.

Salix phylicifolia L.

Tea Leaved Willow

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native shrub or small tree found by ponds, streams, and in damp rocky places. Nationally the population seems stable. A single record from Holy Island.

Location	Grid Ref	Date	Recorder
Snook West	NU0943	7/7/1979	Swan, G.A.

Salix triandra L.

Almond Willow

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native small shrub or tree growing in damp or wet places, by rivers, streams and ponds and in marshes. An archaeophyte it has been much planted for basketry and other purposes. Nationally its population is stable. Single record since 1867.

Location	Grid Ref	Date	Recorder
River Tweed, near St Cuthbert's	NT862411	29/6/1968	Swan, G.A.

Salsola kali subsp. kali L.

Prickly Saltwort

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Not Scarce.*

Native annual found on sandy and shingly beaches, frequently on or about the drift line. Nationally the plant has declined substantially over the second half of the twentieth century, perhaps mainly through recreational pressure on its habitats. Known in the Vice County since 1807 its distribution seems stable.

Location	Grid Ref	Date	Recorder
Alnmouth	NU21K	6/8/1966	Swan, G.A.
Holy Island South	NU14F	24/8/1974	Swan, G.A.
Beal	NU04SE	2/8/1975	Swan, G.A.
Beadnell	NU22NW	26/9/1983	Swan, G.A.
Goswick	NU04M	10/9/1987	Swan, G.A.
Waren Mill	NU13M	19/7/1989	Swan, G.A.
Berwick East	NU05SW	4/8/1997	Swan, G.A.
Alnmouth	NU21SW	4/10/1997	Swan, G.A.
Seahouses	NU23SW	10/10/1998	Swan, G.A.

Snook West	NU0943	23/7/2006	Metherell, C.
Warkworth Dunes SE	NU2605	29/7/2006	Metherell, C.
Bamburgh Moor	NU1735	30/7/2006	Metherell, C.
Ross Links N Central	NU1338	14/8/2008	Aungier, F.
Ross Links Northern Tip	NU1339	14/8/2008	Aungier, F.
Ross Links	NU145377§	14/8/2008	Ellis, R.W.
Ross Links	NU146375§	14/8/2008	Ellis, R.W.
Ross Links	NU146376§	14/8/2008	Braithwaite, M.E.
Ross Links	NU147374§	14/8/2008	Braithwaite, M.E.
Ross Links	NU147375§	14/8/2008	Ellis, R.W.
Ross Links	NU148373§	14/8/2008	Braithwaite, M.E.
Ross Links	NU148372§	14/8/2008	Braithwaite, M.E.
Ross Links	NU135390§	14/8/2008	Metherell, C.
Ross Links	NU138388§	14/8/2008	Metherell, C.
Ross Links	NU138389§	14/8/2008	Metherell, C.
Ross Links	NU139385§	14/8/2008	Metherell, C.
Ross Links	NU139386§	14/8/2008	Metherell, C.
Ross Links	NU142381§	14/8/2008	Metherell, C.
Ross Links	NU143379§	14/8/2008	Metherell, C.
Ross Links	NU143380§	14/8/2008	Metherell, C.
Ross Links	NU144379§	14/8/2008	Metherell, C.
Holy Island	NU118435§	16/8/2008	Braithwaite, M.E.
Newton Links	NU232266§	29/8/2009	Metherell, C.

Salvia verbenaca L.

Wild Clary

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found in open grassland, sand dunes and roadsides. Nationally the species is declining, particularly in the north of its range. Although known in the vice county since 1769, the plant has recently been rediscovered on Holy Island.

Location	Grid Ref	Date	Recorder
Holy Island	NU131419§	14/8/2008	Ellis, R.W.

Sambucus ebulus L.

Dwarf Elder

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial found in hedgerows, roadsides and waste ground. An archaeophyte, its national population is stable. Known in the vice county since 1769.

Location	Grid Ref	Date	Recorder
Ford	NT93N	22/5/1983	Swan, G.A.
Hethpool	NT8928	2000	Hope, J.

Samolus valerandi L.

Brookweed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native deciduous short-lived perennial found in permanently wet flushes, ditches, lagoons and lake shores. Nationally it has declined inland although it seems stable in its more coastal range. Known in the vice county since 1805.

Location	Grid Ref	Date	Recorder
Embleton Bay	NU22L	18/8/1970	Swan, G.A.
Holy Island	NU099433	7/7/1980	Blakemore, J.
Holy Island	NU100436	11/8/1980	Blakemore, J.
N of Howick	NU259183	21/8/1982	Swan, G.A.
Howick	NU2517	2/9/1985	Swan, G.A.
Dunstanburgh	NU2521	2/9/1985	Swan, G.A.
Holy Island, near Snook House	NU102435	17/6/2006	Metherell, C.
Ross Links	NU141375§	14/8/2008	Ellis, R.W.
Ross Links	NU142375§	14/8/2008	Metherell, C.
Holy Island	NU120433§	16/8/2008	Braithwaite, M.E.
Holy Island	NU121433§	16/8/2008	Braithwaite, M.E.
Holy Island	NU121431§	16/8/2008	Braithwaite, M.E.
Holy Island	NU122432§	16/8/2008	Braithwaite, M.E.
Holy Island Slack 9	NU094437§	16/8/2008	Metherell, C.
Holy Island	NU121433§	16/8/2008	Metherell, C.
Holy Island	NU122432§	16/8/2008	Metherell, C.
Holy Island Slack 9	NU094375§	16/8/2008	Stead, M.
Holy Island Slack 9	NU094376§	16/8/2008	Stead, M.
Holy Island Slack 9	NU094377§	16/8/2008	Stead, M.
Holy Island Slack 9	NU095378§	16/8/2008	Stead, M.
Holy Island	NU095433§	16/8/2008	Walker, K.
Holy Island	NU095434§	16/8/2008	Walker, K.
Holy Island Slack 18	NU096436§	16/8/2008	Walker, K.
Holy Island	NU097432§	16/8/2008	Walker, K.
Holy Island	NU129437§	17/8/2008	Metherell, C.
Holy Island	NU130437§	17/8/2008	Metherell, C.

Sanguisorbia officinalis L.

Great Burnet

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb of unimproved pastures, hay meadows, marshy grassland, river abnks and lake shores and flushes. Nationally its distribution is stable. Known in the vice county since 1835. The 1999 record refers to planted specimens.

Location	Grid Ref	Date	Recorder
Wooler	NT988269	16/7/1990	Swan, G.A.
Roadside near to Weldon	NZ138993	27/10/1990	Swan, G.A.
Holy Island	NU130437	28/5/1992	Aitchison & Crowther
Branton	NU0416	1999	Hope, J.
Bamburgh	NU13SE	16/5/2006	Wilkinson, M. & Steele J.

Saussurea alpina (L.) DC.

Alpine Saw Wort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found on screes and occasionally in flushes, rocky stream banks and river shingle. No evidence of decline nationally. Known from a single site in the vice county on Cheviot.

Location	Grid Ref	Date	Recorder
Hen Hole	NT893201§	4/8/2008	Young, A. & G.

Saxifraga hypnoides L.

Mossy Saxifrage

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Rare.*

Native perennial herb growing on moist rocks, screes, cliffs and by mountain streams. Occasionally found on sand dunes. Nationally the population appears stable. Known from Cheviot since 1831, it is now limited to two ravines.

Location	Grid Ref	Date	Recorder
Bizzle	NT898223	26/8/1988	Swan, G.A.
Bizzle Burn, spring on tributary	NT896221	5/7/1991	Swan, G.A.
Bizzle Burn, tributary	NT897224	6/7/1992	Swan, G.A.
Bizzle Burn	NT898217§	17/6/2008	Metherell, C.
Bizzle Burn	NT899218§	17/6/2008	Metherell, C.
Bizzle Burn	NT899219§	17/6/2008	Metherell, C.
Bizzle Burn	NT899216§	17/6/2008	Metherell, C.
Bizzle Burn	NT899215§	17/6/2008	Metherell, C.
Bellyside Burn	NT900214§	17/6/2008	Metherell, C.

Saxifraga tridactylites L.

Rue Leaved Saxifrage

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual of sandy grassland, limestone pavement and rock ledges, cliffs, screes and mortared walls. Nationally the species seems stable. Known in the vice county since 1830.

Location	Grid Ref	Date	Recorder
Limestone near Ratcleugh	NU230153	20/5/1972	Swan, G.A.
Ratcheugh	NU2214	4/5/1985	Swan, G.A.

Scabiosa columbaria L.

Small Scabious

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb growing in pastures, hill slopes and banks, and occasionally on cliffs and disused quarries. Nationally the species has declined due to loss of grassland and changes in grazing practice. Known in the vice county since 1829.

Location	Grid Ref	Date	Recorder
Dunstanburgh	NU2521	11/7/1963	Swan, G.A.
Embleton Bay	NU22L	18/8/1970	Swan, G.A.
New Water Haugh	NT95R	19/7/1975	Swan, G.A.
Howdiemont Sands	NU262158	15/7/1988	Woolven, S.C.
Craster	NU21NE	6/8/2003	Young, A. & G.

Schonoplectus tabernaemontani (C.C.Gmel) Palla.

Grey Club Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb growing in brackish water in rivers, lagoons and dune slacks, and also occurring in saltmarshes and wet pasture. Inland it is found by lakes, ponds, flooded quarries and by rivers and streams. Nationally the species seems to be increasing. Recorded from the the vice county since 1920.

Location	Grid Ref	Date	Recorder
Embleton Links	NU2423	19/6/1960	Swan, G.A.
Newton Pool	NU241244	19/6/1960	Swan, G.A. & M.
River Tweed, near Carham	NT810394	16/8/1969	Swan, G.A. & M.
Longhoughton quarry	NU235155	26/7/1970	Swan, G.A. & M.
Goswick	NU058453	5/8/1972	Swan, G.A. & M.
Alnmouth	NU21SW	12/7/1984	Swan, G.A.
Holy Island Lough	NU1342	19/6/1989	Swan, G.A.
Holy Island Slack 18	NU096436	16/8/2008	Walker, K.
Newton Point pond	NU243252§	29/8/2009	Metherell, C.
Newton Point pond	NU243253§	29/8/2009	Metherell, C.

Scilla verna Hudson.

Spring Squill

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial growing in short turf near the sea, cliff tops and rocky slope. Nationally the species appears stable. The sites in the vice county represent the plant's only native stations on the east coast of England. The plant is presently restricted to two areas, coastal links between Craster and Dunstanburgh where the plant occurs in several patches, and Cullernose Point. The Hips Heugh site was searched in 2008 without success and it may be that the plant has been lost there due to gorse encroachment.

Location	Grid Ref	Date	Recorder
Dunstanburgh	NU259217	30/5/1985	Swan, G.A.
Near Craster	NU260194	19/5/1986	Swan, G.A.
Hips Heugh	NU251187	16/6/1986	Swan, G.A.
Craster	NU258205§	19/5/2008	Metherell, C.
Craster	NU258205§	19/5/2008	Metherell, C.
Craster	NU258205§	19/5/2008	Metherell, C.
Craster	NU288205§	19/5/2008	Metherell, C.
Cullernose Point	NU260190§	20/5/2008	Metherell, C.
Cullernose Point	NU260187§	20/5/2008	Metherell, C.
Cullernose Point	NU260189§	20/5/2008	Metherell, C.
Cullernose Point	NU260188§	20/5/2008	Metherell, C.
Cullernose Point	NU262187§	20/5/2008	Metherell, C.
Dunstanburgh	NU258218§	2/6/2008	Metherell, C.

Scleranthus annuus L.

Annual Knawel

*National Status: Not Scarce, Endangered.**North Northumberland Status: Not Scarce.*

Annual or biennial herb found on heaths, commons, waste ground, arable fields and occasionally on river or even maritime shingle. Nationally the species has declined substantially throughout its range. First recorded in the vice county in 1807.

Location	Grid Ref	Date	Recorder
Kirknewton	NT93A	7/1938	Swan, G.A.
Ingram	NU01D	14/8/1939	Swan, G.A.
Carey Burn	NT9725	29/9/1957	Swan, G.A.
Hethpool Linn	NT9028	5/8/1961	Swan, G.A.
Ryle Lodge	NU0212	7/10/1962	Swan, G.A.
Waren Mill	NU13M	25/6/1966	Swan, G.A.
Thrunton Wood, forest road	NU074091	23/10/1966	Swan, G.A.
Milfield airfield, near Woodbridge	NT950334	31/5/1971	Swan, G.A.
Bamburgh	NU13SE	17/6/1972	Swan, G.A.
Lanton	NT93F	8/10/1972	Swan, G.A.
Calder	NU01E	30/6/1973	Swan, G.A.
Camp Hill	NT83G	12/8/1978	Swan, G.A.
Kilham	NT83SE	16/8/1978	Swan, G.A.
Hethpool Linn	NT92E	21/7/1979	Swan, G.A.
Middleton Hall	NT92X	5/7/1980	Swan, G.A.
Prendwick	NU0012	16/5/1982	Swan, G.A.
Ridlees	NT80NW	2/8/1987	Swan, G.A.
Midlem Hill	NT9110	8/8/1987	Swan, G.A. & M.
Old Yeavinger	NT9230	22/7/1988	Swan, G.A.
Craster	NU257201	9/7/1991	Swan, G.A.
Spindlestone	NU1533	2/7/1993	Swan, G.A.
Linbriggs	NT885076§	26/7/2008	Metherell, C.
Linbriggs	NT891064	2/8/2009	Richards, A.J.

Scrophularia auriculata L.

Water Figwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb found in wet places on the margins of lakes, rivers and streams and in ditches, marshes and wet woodland. Nationally the population seems stable. First recorded in the vice county in 1969.

Location	Grid Ref	Date	Recorder
Carham Hall	NT83E	16/8/1969	Swan, G.A.
Alnwick	NU11W	19/8/1971	Swan, G.A.
NU119137	NU119137	2/10/1971	Swan, G.A.
Lesbury	NU2311	8/10/2006	Durkin, J.L.
Lowick Mill	NU0241	16/10/2006	Durkin, J.L.

Scutellaria minor Hudson.

Lesser Skullcap

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare*

Native perennial herb of bogs and wet, acid heaths. Nationally the plant exhibits a southern and western distribution and the North Northumberland records represent something of an outlier. That, combined with the nature of the sites themselves make the records rather doubtful.

Location	Grid Ref	Date	Recorder
Newton Links	NU22I	1980	Thompson, R.G.S.
Craster Links	NU22K	1980	Thompson, R.G.S.

Sedum anglicum Hudson.

English Stonecrop

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial growing on rocks, dunes, shingle and occasionally on dry grassland. Nationally its native range seems stable. First recorded on the Heugh, Holy Island in 1807 where it probably still occurs and recently discovered at Bamburgh.

Location	Grid Ref	Date	Recorder
Holy Island SW	NU1441	31/7/1965	Swan, G.A.
Holy Island	NU125416	27/6/1987	Swan, G.A.
Bamburgh North	NU1835	23/5/2006	Beamsley, N & Wilkinson, M.

Sedum rosea (L.) Scop.

Roseroot

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb found on sea cliffs and on moist rock ledges in mountains. Nationally its distribution is stable. Known from only one site in VC68, where it was first recorded in 1831. A record for Seaton appears to be an introduction and is omitted.

Location	Grid Ref	Date	Recorder
Hen Hole	NT892201§	30/7/2007	Harle, B. & Young, G.
Hen Hole, steep wet gully	NT892200§	30/7/2007	Young, A. & G.

Sedum teliphium L.

Orpine

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb of wood borders, hedge banks, roadsides, and rocky banks. Nationally the native range of this species has become entirely obscured by garden escapes. Known in the vice county since 1789.

Location	Grid Ref	Date	Recorder
Longframlington	NU10F	1954	Heslop-Harrison, J.W.
Warkworth Dunes	NU20NW	1980	Thompson, R.S.G.
Norham West	NT84NE	17/8/1984	Swan, G.A.

Sedum villosum L.

Hairy Stonecrop

*National Status: Scarce, Near Threatened.**North Northumberland Status: Not Scarce.*

Native perennial, or sometime biennial with a Northern distribution. It prefers stony, slightly base-rich flushes dominated by bryophytes, on more or less level ground. Locally frequent in the Southern Uplands of Scotland, it is also found in Cumbria and the Craven Pennines. Although its population appears to be declining this may be due to under re-recording in upland areas.

Location	Grid Ref	Date	Recorder
Carshope	NT8411	12/7/1959	Swan, G.A.
Barrowburn	NT81Q	25/6/1961	Swan, G.A.
Makendon	NT8009	7/6/1975	Swan, G.A.
Wedder Hill	NT71SE	7/6/1975	Swan, G.A.
Bush Knowe	NT9314	5/6/1976	Swan, G.A.
Low Bleakhope	NT91H	5/6/1976	Swan, G.A.
Waren Mill	NU1434	14/5/1977	Swan, G.A.
Kidland Forest N Central	NT91B	4/6/1977	Swan, G.A.
Birnie Brae	NT82I	5/8/1978	Swan, G.A.
Linbriggs	NT80Y	24/7/1982	Swan, G.A.
Blind Burn	NT822130	13/7/1984	Swan, G.A.

Spindlestone	NU1533	16/6/1986	Swan, G.A.
Chew Green	NT70Z	9/7/1987	Swan, G.A.
Standrop Burn.	NT936182	30/7/1987	Swan, G.A.
Standrop Burn.	NT937181	30/7/1987	Swan, G.A.
Harbottle	NT90SW	18/8/1987	Swan, G.A.
Hedgehope Hill	NT91NW	3/8/1991	Swan, G.A.
Spindlestone	NU1533	2/7/1993	Swan, G.A.
Hen Hole	NT894202	31/8/1993	Swan, G.A.
Uswayford	NT893143	16/8/2002	Steele, J.
River Coquet	NT801087	26/6/2006	Lansdown, R.V.
Hen Hole, flush	NT894202§	30/7/2007	Harle, B. & Young, G.

Senecio erucifolius L.

Hoary Ragwort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native perennial herb found in grassland and disturbed habitats. Nationally its distribution appears stable. The number of new records in 2006 may suggest that it is under-recorded in the vice county.

Location	Grid Ref	Date	Recorder
Snipe House	NU172091	29/8/1982	Swan, G.A.
Craster N Heughs	NU255205	5/6/2006	Beamsley, N & Wilkinson, M.
Hips Heugh	NU2518	6/6/2006	Beamsley
Craster	NU21P	7/6/2006	Beamsley
Easington	NU13H	15/6/2006	Wilkinson, M. & Steele J.
Shada Plantation	NU164344	16/6/2006	Beamsley N, Wilkinson M & Steele J.

Serratula tinctoria L.

Saw Wort

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial herb growing on grassland, fen meadows, wet heaths, scrub, woodland, lake shores and cliff tops and also found on verges and railway banks. Nationally the species has declined due to pasture improvement and loss of grassland. First recorded from its single remaining VC68 station in 1868.

Location	Grid Ref	Date	Recorder
Craster, Black Hole	NU259191	28/5/2005	Young, A. & G.

Sesleria caerulea (L.) Ard.

Blue Moor Grass

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial grass growing in open habitats on limestone, including heaths, screes and cliffs. Nationally the population appears stable. Known at its single extant VC68 site since 1868.

Location	Grid Ref	Date	Recorder
Ratcheugh Crag	NU224143§	19/5/2009	Metherell, C.

Silene noctiflora L.

Night Flowering Catchfly

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native annual archaeophyte of cultivated and occasionally waste land. Nationally its distribution is centered towards the South and East, with a stronghold in East Anglia, however its range extends up the East coast to the North of the Firth of Tay. This species has declined markedly since the 1950s with the increase of herbicides and fertilisers.

Location	Grid Ref	Date	Recorder
Wooler	NT92NE	3/8/1958	Swan, G.A.
Etal	NT93J	9/8/1958	Swan, G.A.
Pressen Hill West	NT8134	10/8/1958	Swan, G.A.
Oxford	NU04D	20/8/1958	Swan, G.A.
field	NU038276	14/7/1960	Swan, G.A.
Felton	NU10SE	23/7/1960	Swan, G.A.
Chainbridge	NT95SW	27/7/1965	Swan, G.A.
Newton Point	NU2426	10/6/1967	Swan, G.A.
Holy Island W	NU1242	13/7/1974	Swan, G.A.

Silybum marianum (L.) Gaertner.

Milk Thistle

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual or biennial growing in rough pasture, banks, hedgerows and waste ground. An archaeophyte whose national distribution seems stable. First recorded in the vice county in 1807.

Location	Grid Ref	Date	Recorder
North of Longhoughton	NU243154	6/7/1974	Swan, G.A.
Embleton	NU22SW	20/5/1978	Swan, G.A.
Castle Hills	NT9853	3/6/1979	Swan, G.A.
Redbarns Links	NU1934	9/6/1983	Swan, G.A.
Spindlestone	NU132347	2/7/1993	Swan, G.A.
Holy Island SW	NU128417	23/7/2006	Metherell, C.
Boulmer	NU265140§	21/5/2009	Metherell, C.

Sinapsis alba subsp. alba L.

White Mustard

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Annual weed of arable land, roadsides and waste ground. An archaeophyte formerly grown for mustard. Nationally the native distribution of this species is entirely obscured by its spread as an introduction. First recorded in the vice county in 1807.

Location	Grid Ref	Date	Recorder
Holy Island W	NU1242	19/9/1970	Swan, G.A.
Ord	NT95Q	8/6/1988	Swan, G.A.
Boathouse Plantation	NT848399	15/6/1996	Swan, G.A.

Sparganium natans L.

Least Bur Reed

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial found in shallow water at the edges of lakes, ponds, slow moving streams and ditches. Nationally the plant has declined substantially due to drainage, particularly in the south of its range. First recorded in the vice county in 1853.

Location	Grid Ref	Date	Recorder
Swinhoe Lakes	NU0735	13/9/1959	Swan, G.A.

Spargula arvensis L.

Corn Spurrey

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Not Scarce.*

Annual archaeophyte (save in the Channel Islands where it is native) of open, often disturbed habitats, most frequently in arable fields. Although widespread nationally it is in decline due to changes in agricultural practice. Said (Swan 1993 at p112) to be widespread and frequent, this does not appear to be borne out by the records shown below. However only localised records are shown, and it is known that 10km records exist for every 10km square in the Vice County!

Location	Grid Ref	Date	Recorder
Wooler	NT92NE	7/1938	Swan, G.A.
River Aln	NU215128	1978	Saddler & Booth
Holy Island W	NU1242	25/5/2003	Groom, Q.
Bogend	NT9755	30/7/2003	Braithwaite, M.E.
Ewart Park West	NT93K	15/6/2006	Groom, Q.
Milfield Airfield	NT93L	15/6/2006	Groom, Q.
Hawkhill	NU2212	12/10/2006	Durkin, J.L.
North Low	NU0544	26/10/2006	Durkin, J.L.
Ross Links	NU137178§	14/8/2008	Ellis, R.W.
Ross Links	NU139375§	14/8/2008	Ellis, R.W.
Ross Links	NU135380	20/8/2008	Young, A. & G.
Ross Links	NU138375	20/8/2008	Young, A. & G.

Stachys arvensis (L.) L.

Field Woundwort

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Rare.*

Annual found in arable fields, gardens, road verges and waste ground. An archaeophyte, formerly a major arable weed. Nationally in substantial decline.

Known in the vice county since 1807. Searches at the Howick Scar location in 2008 and 2009 failed to reveal the plant.

Location	Grid Ref	Date	Recorder
Fenham le Moor	NU0939	2/7/1960	Swan, G.A.
Roadside near Howick Scar	NU254189	17/7/1982	Swan, G.A.
Newton Village	NU2424	30/7/2006	Metherell, C.

Teesdalia nudicaulis (L.) R. Br.

Shepherd's Cress

National Status: Not Scarce, Near Threatened.

North Northumberland Status: Not Scarce.

A native winter annual which occurs on sandy soils and gravels, often on disturbed ground. Populations can fluctuate wildly from year to year, however it appears to have a very short-lived seed bank and as a result once it disappears from a site it is unlikely to return. Nationally the species, although widespread, is decreasing as a result of land use changes.

Location	Grid Ref	Date	Recorder
Cheviot West	NT82SE	16/4/1961	Swan, G.A.
Westnewton	NT9030	9/6/1962	Swan, G.A.
Commonburn House	NT92I	4/8/1962	Swan, G.A.
Wooler Common	NT92V	31/8/1963	Swan, G.A.
Thrunton Wood	NU074091	23/10/1966	Swan, G.A.
Wooler South West	NT9827	30/5/1970	Swan, G.A.
Middleton Hall	NT92X	15/8/1970	Swan, G.A.
Harrowbog	NT8927	11/8/1972	Swan, G.A.
Westnewton	NT9030	11/8/1972	Swan, G.A.
Hethpool Linn	NT92E	11/8/1972	Swan, G.A.
Humbleton	NT92U	27/5/1973	Swan, G.A.
Brandon	NU01N	30/6/1973	Swan, G.A.
Gallow Law	NU01U	26/6/1977	Swan, G.A.
Wooler	NT92NE	22/7/1978	Swan, G.A.
Harthope Burn	NT92SE	9/6/1979	Swan, G.A.
Thrunton Wood	NU00U	27/11/1982	Swan, G.A.
Heugh Head	NU02D	5/6/1983	Swan, G.A.
Brandon	NU01N	22/7/1988	Swan, G.A.
Thrunton	NU01V	21/5/1996	Swan, G.A.
River Breamish	NT995164	6/8/1999	Swan, G.A.
King's Chair	NT984272	17/6/2006	Groom, Q.

Torilis arvensis (Hudson) Link.

Spreading Hedge Parsley

National Status: Scarce, Endangered.

North Northumberland Status: Rare.

Annual or occasionally biennial herb found in arable fields, and occasionally on waste and other disturbed ground. An archaeophyte, it has dramatically declined nationally as a result of changes in farming practice. In VC68 the single record has not subsequently been refound.

Location	Grid Ref	Date	Recorder
Budle	NU13M	1980	Thompson, R.S.G.

Torilis nodosa (L.) Gaertner.

Spreading Hedge Parsley

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual growing on open grassland, banks, sea walls, cliff tops, arable fields and waste ground. Nationally it appears to have declined inland although it is stable at its coastal sites. First recorded in the vice county in 1807.

Location	Grid Ref	Date	Recorder
Cocklawburn Beach	NU04J	20/8/1958	Swan, G.A.
Berwick	NT95SE	7/1997	Knapp, A.G.
Holy Island, edge of footpath	NU133417§	9/6/2007	Young, A. & G.
Holy Island, near lime kilns	NU137417§	9/6/2007	Young, A. & G.
Holy Island	NU134417§	14/8/2008	Ellis, R.W.
Dunstanburgh	NU256217§	14/8/2008	Richards, A.J.
Dunstanburgh	NU255219§	15/8/2008	Braithwaite, M.E. & P.

Trifolium fragiferum L.

Strawberry Clover

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Perennial herb found in coastal areas behind saltmarshes, on sea walls and grazing marshes. Inland it grows in pastures and by tracks and paths. Nationally the population shows losses in some areas. First reported in the vice county since 1835. the 1990 record may be an introduction, or perhaps from a dormant seed.

Location	Grid Ref	Date	Recorder
Ord, roadside near to garden centre	NT977514	22/8/1990	Swan, G.A.

Trifolium micranthum Viv.

Slender Trefoil

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual found on the coast in sandy or gravelly grassland, pastures, paths, verges and also as a weed in lawns. Nationally the species appears to be increasing. First recorded in the vice county in 1868. The Craster site has been destroyed.

Location	Grid Ref	Date	Recorder
Near to Dunsheugh	NU226142	27/6/1983	Swan, G.A.
Dunstanburgh	NU22K	12/7/1985	Swan, G.A.
Craster	NU257201	9/7/1991	Swan, G.A.
Bamburgh	NU185350	15/8/1991	Swan, G.A.
Spindleston	NU154338§	30/5/2007	Young, A. & G.

Trifolium scabrum L.

Rough Clover

*National Status: Scarce, Least Concern.**North Northumberland Status: Scarce.*

Native annual found in thin soils, and in dry cliff top grasslands. Nationally the population appears to be stable. Known in the vice county since 1805 at its Holy Island sites.

Location	Grid Ref	Date	Recorder
East Learmouth	NT83T	9/6/1962	Swan, G.A.
Newton Pool	NU246253	1/8/1981	Swan, G.A.
Holy island, The Heugh	NU125416§	9/6/2007	Young, A. & G.
Holy Island, near lime kilns	NU137417§	9/6/2007	Young, A. & G.

Ulex galii Planchon.

Western Gorse

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Native shrub growing on heaths, sea cliffs, scrubby banks and waste ground. Nationally the population of the species appears stable. Known in the vice county since 1853.

Location	Grid Ref	Date	Recorder
Wooler Common	NT92V	1955	Swan, G.A.
Common Road	NT945269	20/9/1970	Swan, G.A.
Threestoneburn	NT92Q	27/10/1982	Swan, G.A.
Common Road	NT940267	9/9/1988	Swan, G.A.

Utricularia vulgaris L.

Greater Bladderwort

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Native perennial found in lakes, ponds, ditches and pools. Nationally distributional changes are difficult to discern due to difficulties in identification and potential under-recording. First recorded in the vice county in 1829 and last seen in 1963.

Location	Grid Ref	Date	Recorder
Newham Fen	NU1629	1963	Richards, A.J.

Vaccinium microcarpum (Turcz. Ex. Rupr.) Schmalh.

Small Cranberry

*National Status: Scarce, Least Concern.**North Northumberland Status: Rare.*

Native shrub found in Sphagnum mires, typically on the tops of hummocks. Nationally its population appears to be stable. However it is suggested that the plant may in fact be difficult to identify with certainty.

Location	Grid Ref	Date	Recorder
Black Moss	NU062059	1987?	Swan, G.A.
Harehope Burn	NU099205	1987?	Swan, G.A.

Vaccinium uliginosum L.

Bog Bilberry

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native shrub found in upland heaths and blanket bog, and occasionally on montane ledges. Nationally its population now seems stable. First found in the vice county in 1952, it is confined to the Cheviot.

Location	Grid Ref	Date	Recorder
Cheviot	NT909205	20/6/1994	Swan, G.A.

Valerianella dentata (L.) Pollich.

Narrow Fruited Cornsalad

*National Status: Not Scarce, Endangered.**North Northumberland Status: Rare.*

Annual found on arable land, typically in field corners and edges. An archaeophyte known in the UK since the bronze age. Nationally, like many arable weeds, it has substantially declined. Known in the vice county since 1831, there is a single modern record. Not however seen since 1983.

Location	Grid Ref	Date	Recorder
Craster	NU2519	22/7/1983	Swan, G.A.

Veronica catenata Pennell.

Pink Water Speedwell

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual herb found in shallow water and on the muddy edges of streams, lakes and ponds. Also in dune slacks and pits. Nationally its population seems stable. Known at its Holy Island site since 1955, however no records for the VC for over 30 years.

Location	Grid Ref	Date	Recorder
Holy Island E	NU1342	29/7/1967	Swan, G.A.
Embleton Links	NU2423	17/7/1971	Swan, G.A.
South Middleton	NU02B	10/7/1977	Swan, G.A.

Viola canina subsp. canina L.

Heath Dog Violet

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Not Scarce.*

Native perennial growing on a wide variety of acid habitats including heaths, dunes and riversides. Nationally the species has declined markedly since 1950, mainly due to habitat loss. In North Northumberland the plant is now confined to the coastal strip although it was recorded far inland in the nineteenth century.

Location	Grid Ref	Date	Recorder
Hound Dean	NU2306	6/5/1949	Morton, J.K.
Holy Island Links	NU125434	24/5/1969	Swan, G.A.
Newton Links House	NU229268	21/6/1969	Swan, G.A.
Bamburgh West	NU13S	17/6/1972	Swan, G.A.
Kirkley Hall	NU13I	16/8/1972	Swan, G.A.
Holy Island Snook	NU04W	11/8/1973	Swan, G.A.
Holy Island W Central	NU1242	22/6/1974	Swan, G.A.
Holy Island Snook	NU04W	13/7/1974	Swan, G.A.
Holy Island South	NU14F	24/8/1974	Swan, G.A.
Redbarns Links	NU1934	9/6/1983	Swan, G.A.
Hips Heugh	NU2518	10/6/1983	Swan, G.A.
Embleton	NU22G	20/6/1983	Swan, G.A.
Seahouses	NU23SW	4/7/1983	Swan, G.A.
Scremerston	NU04E	21/7/1987	Swan, G.A.
Bamburgh East	NU13X	19/5/1999	Young, A. & G.
Ross Links	NU146374	14/8/2008	Braithwaite, M.E.
Ross Links	NU146374	14/8/2008	Braithwaite, M.E.
Holy Island Slack 9	NU093436	16/8/2008	Stead, M.

Viola tricolor subsp. tricolor L.

Mountain Pansy

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native annual or perennial of dunes and other sandy areas, also found on heaths and acidic grassland. Nationally there appears to have been a widespread decline in the last half of the twentieth century, particularly in the south. First recorded in North Northumberland in 1807, records of *V. tricolor sens.latu.* although almost certainly relating to this subspecies have been omitted.

Location	Grid Ref	Date	Recorder
Tiptoe	NT94A	19/5/1987	Swan, G.A. & M.
Old Yeavinger	NT9230	22/7/1988	Swan, G.A.
Calder	NU01E	24/7/1991	Swan, G.A.
Ratcheugh	NU21H	3/9/1994	Swan, G.A.
Hepburn Wood	NU069232	2/6/1995	Swan, G.A.
Earle	NT92Y	2/8/1999	Swan, G.A.
Ewart Park West	NT93K	15/6/2006	Groom, Q.
Milfield Airfield	NT93L	15/6/2006	Groom, Q.
Earle	NT92Y	19/6/2006	Richards, A.J.

Vulpia fasciculata (Forsskål) Fritsch.

Dune Fescue

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Rare.*

Native annual grass growing on sand dunes and sandy shingle. Nationally this species appears to be increasing. The vice county record represents the plant's northerly limit in the UK.

Location	Grid Ref	Date	Recorder
St Aidan's Dunes	NU208331	4/7/1996	Swan, G.A.

Zostera marina L.

Eelgrass

*National Status: Not Scarce, Near Threatened.**North Northumberland Status: Scarce.*

Native perennial growing in the sub-tidal zone, usually on gravel or sandy mud. Nationally the picture is difficult to assess as the plant grows to a depth of four metres. However it is probably declining.

Location	Grid Ref	Date	Recorder
Seahouses	NU23SW	1931	Blackburn, K.
Waren Mill	NU13M	23/6/1959	Swan, G.A.
Fenham	NU088411	4/7/1959	Swan, G.A. & M.
Lowmoor Point	NU097398	30/9/1962	Swan, G.A. & M.
Holy Island	NU104432	30/9/1962	Swan, G.A. & M.
Fenham	NU089408	19/7/1970	Swan, G.A. & M.
Holy Island	NU118428	19/9/1970	Swan, G.A. & M.
Ross	NU13NW	30/6/1979	Swan, G.A.
Lowmoor Point	NU098399	23/7/1985	Swan, G.A.
Holy Island, in rock pools	NU139424	23/6/1990	Swan, G.A. & M.
Holy Island near Bible Law	NU139420§	9/6/2007	Young, A. & G.
Holy Island near Bible Law	NU139421§	9/6/2007	Young, A. & G.
Holy Island South Shore	NU120429§	20/9/2008	Metherell, C.
Holy Island South Shore	NU121428§	20/9/2008	Metherell, C.

Zostera noltii Hornem.

Dwarf Eelgrass

*National Status: Not Scarce, Vulnerable.**North Northumberland Status: Scarce.*

Native perennial found at higher shore levels than *Z. marina*. Found in sheltered estuaries and harbours on sand or mud. Nationally the population of this species seems stable.

Location	Grid Ref	Date	Recorder
Fenham	NU088411	4/7/1959	Swan, G.A.
Holy Island	NU118428	19/9/1970	Swan, G.A. & M.
NU260053	NU260053	6/7/1974	Swan, G.A.
Elwick	NU13D	8/8/1985	Swan, G.A.
Lowmoor Point	NU095399	1/10/1996	Swan, G.A.

Holy Island South Shore	NU116431§	20/9/2008	Metherell, C.
Holy Island South Shore	NU117431§	20/9/2008	Metherell, C.
Holy Island South Shore	NU118430§	20/9/2008	Metherell, C.
Holy Island South Shore	NU120429§	20/9/2008	Metherell, C.
Holy Island South Shore	NU121429§	20/9/2008	Metherell, C.
Holy Island South Shore	NU121428§	20/9/2008	Metherell, C.
Holy Island South Shore	NU122428§	20/9/2008	Metherell, C.
Holy Island South Shore	NU122427§	20/9/2008	Metherell, C.
Holy Island South Shore	NU122426§	20/9/2008	Metherell, C.
Holy Island South Shore	NU123426§	20/9/2008	Metherell, C.
Holy Island South Shore	NU132426§	20/9/2008	Metherell, C.

Extinct Species.

Apera spica-venti (L.) Beauv.

Loose Silky Bent

National Status: Scarce, Near Threatened.

North Northumberland Status: Extinct.

An archaeophyte annual arable weed with a South-Eastern distribution nationally, being found South-East of a line between the Humber and the Bristol Channel, with outliers in other parts of the country. Considered by some to be native in the East Anglia. Seen in VC67 at a disused colliery site (NZ236739) in 1990, it has not been recorded in VC68 since 1893 and is considered extinct.

Anacamptis morio (L.) R.M. Bateman

Green Winged Orchid

National Status: Scarce, Near Threatened.

North Northumberland Status: Extinct.

Perennial of hay meadows and pastures, sand dunes, heaths and roadsides. Also found in quarries, churchyards and even lawns. Nationally the species has shown a steady decline for the last two hundred years. Not seen in VC68 since 1893. Extinct.

Asplenium septentrionale (L.) Hoffm.

Forked Spleenwort

National Status: Scarce, Near Threatened.

North Northumberland Status: Extinct.

Long-lived evergreen fern. Nationally found to favour acidic rocks and heavy metal contaminated spoil. Also found on unmortared stone walls. Its UK distribution is generally western, and it appears to have lost sites through reclamation of mining spoil and the growth of scrub. The latter appears to be the cause of its presumed demise in VC68, where historically it was only known from whin (dolerite) crags at Kyloe. However the site is overrun with gorse and the plant has not been seen since 1931 and must be considered extinct.

Betula nana L.

Dwarf Birch

National Status: Scarce, Least Concern.

North Northumberland Status: Extinct.

Perennial shrub of wet upland heaths and blanket bogs. Effectively confined to the Scottish Highlands where it is locally common. In VC68 there is one old record which refers to a specimen deposited by Nathaniel Winch in the herbarium of the Linnean Society. The specimen has not been found. The species is presumed extinct in the VC.

Bidens triparta L.

Trifid Bur Marigold

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Last recorded in VC68 in 1893 at Budle and presumed extinct.

Bromus commutatus Schrader.

Meadow Brome

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

A native annual grass of unimproved damp meadows although also found on the verges of lanes and tracks. Nationally it has a mainly South-Eastern distribution. There is a single record in 1869 for the VC where it is presumed to be extinct.

Bromus secalinus L.

Rye Brome

National Status: Not Scarce, Vulnerable.

North Northumberland Status: Extinct.

An annual grass which has been present in the UK as an archaeophyte since prehistoric times. Frequently recorded nationally during the 19th and early 20th centuries it underwent a substantial decline. There is a single 19th century site for the species which must be considered extinct in the VC.

Calamagrostis epigegjos (L.) Roth.

Wood Small Reed

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct

Tufted perennial of damp woods, fens and lightly grazed grassland. Also occurs on sea-cliffs and sand dune and occasionally in old quarries and on roadsides. No record in VC68 since 1893. Extinct.

Carex limosa L.

Bog Sedge

National Status: Scarce, Vulnerable.

North Northumberland Status: Extinct.

Native perennial sedge confined to sphagnum bogs and peaty pools. It was recorded at two sites within the vice-county in the 19th century. One site was in Learmouth Bog which was drained in the late 1860s and the plant extinguished and it has not been refound at the second site. Extinct.

Carum carvi L.

Caraway

National Status: Scarce, Endangered.
North Northumberland Status: Extinct.

Perennial archaeophyte, introduced in the UK before 1375. It is now found as a naturalised plant on verges and banks, meadows and even sand dunes. Included in this register due to a pre-20th century record (1893). Extinct save as a garden escape.

Chenopodium ficifolium L.

Fig Leaved Leaved Goosefoot

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Annual herb of waste and disturbed ground. Included as an archaeophyte. One nineteenth century record only and the plant is probably now extinct.

Chenopodium glaucum L.

Oak Leaved Goosefoot

National Status: Not Scarce, Vulnerable.
North Northumberland Status: Extinct.

Annual herb of waste and disturbed ground. Included as an archaeophyte first recorded in the wild in the UK in 1713. One nineteenth century record only and the plant is probably now extinct.

Chenopodium murale L.

Nettle Leaved Goosefoot

National Status: Not Scarce, Vulnerable.
North Northumberland Status: Extinct.

Annual herb of waste and disturbed ground. Included as an archaeophyte which has been in the UK since Roman times. Several nineteenth century records only and the plant is probably now extinct.

Chenopodium polyspermum L.

Many Seeded Goosefoot

National Status: Not Scarce, Least concern.
North Northumberland Status: Extinct.

Annual herb of waste and disturbed ground. Included as an archaeophyte. Several nineteenth century records only and the plant is probably now extinct.

Chenopodium urbicum L.

Upright Goosefoot

National Status: Rare, Critically Endangered.
North Northumberland Status: Extinct.

Annual herb of waste and disturbed ground. Included as an archaeophyte occurring as

a seed impurity. Several nineteenth century records only and the plant is probably now extinct.

Cicuta virosa L.

Cowbane

National Status: Scarce, Least Concern.

North Northumberland Status: Extinct

Perennial herb growing in shallow water, either still or slowly moving or occasionally on mats of floating vegetation. Also on marshy pasture and mud. No recent VC68 records and now considered extinct. However it occurs just over the western border of VC68 in VC80 Roxburgh.

Cladium mariscus (L.) Pohl.

Great Fen Sedge

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Native perennial normally growing on peat. Found in swamps and at the edges of lakes and streams. It was recorded at Learmouth Bog which was drained in the late 1860s and the plant extinguished.

Crambe maritima L.

Sea Kale

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Native perennial herb growing on shingle beaches and occasionally on dunes where these rest on shingle. Recorded in the VC on one occasion post 1945 but not seen since 1947 and presumed extinct.

Cuscuta epilinum Weihe.

Flax Dodder

National Status: Not Scarce, Vulnerable.

North Northumberland Status: Extinct.

Native annual reported from Flax fields in the nineteenth century but not seen since, presumably due to better seen cleaning and control. Extinct.

Cuscuta epithymum (L.) L.

Dodder

National Status: Not Scarce, Vulnerable.

North Northumberland Status: Extinct.

Native annual herb, parasitic on the stems of a large range of shrubs and herbs. Not seen in the VC since the middle of the nineteenth century. Extinct.

Cuscuta europaea L.

Greater Dodder

National Status: Scarce, Least Concern.
North Northumberland Status: Extinct.

Native annual herb, parasitic on the stems of (normally) *Urtica dioica*. Only one published record from Alnwick Moor in 1934. A species with a strictly south eastern distribution it has however also been recorded from southern Scotland. The VC68 record may well represent an introduction. Extinct.

Cypripedium calceolus L.

Lady's Slipper Orchid

National Status: Rare, Critically Endangered.
North Northumberland Status: Extinct.

This celebrated native plant is included in this Register out of historical interest. John Wallis, writing in 1769 referred to a record by no less an authority than William Turner of an occurrence of the plant near Newton-on-the-Moor, although the specimen was no longer there in Wallis' day. A further reference in 1893 may perhaps represent the same site. The record has long been rejected (see for example Swan 1993 at p297), and does not seem to appear on any national database, although it is difficult to believe that Turner could have mistaken such an obvious plant. Whatever the position, if it was there it is now long extinct.

Dryopteris aemula (Aiton) O. Kunze.

Hay Scented Buckler Fern

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Fern growing in well-drained soils, banks, sea cliffs and wooded slopes. No apparent recorded changes in distribution nationally. The only records from the vice county date from the nineteenth century and it must be considered to be extinct

Eleocharis acicularis (L.) Roemer and Schultes.

Needle Spike Rush

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native perennial herb growing on the margins of lakes, ponds and rivers. Although often lost through drainage of its habitat it is well able to colonise new sites and its national distribution is probably fairly stable. In the vice county found only at one site in the nineteenth century which was lost through drainage. Extinct.

Eleogiton fluitans (L.) Link.

Floating Club Rush

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Extinct.*

Perennial herb growing on the margins of streams and pools and ditches. Also found in disused sand and gravel pits. Nationally it appears to be declining, particularly due to the drainage of lowland heaths in the early twentieth century. Known in the vice county since 1807 it has been lost from all of its sites through drainage. Extinct.

Gagea lutea (L.) Ker-Gawler.

Yellow Star of Bethlehem

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Extinct.*

Perennial herb found in moist woods, hedgerows, pastures and river banks. Nationally the population appears to be stable. In VC68 it was first recorded in 1831, however it has not been seen since the beginning of the twentieth century save for a probably horticultural record in 1980. Extinct.

Galeopsis angustifolia Ehrend.

Red Hemp Nettle

*National Status: Scarce, Critically Endangered.**North Northumberland Status: Extinct.*

Annual archeophyte of arable land, also found on coastal sand and shingle. Cleaner seed and changes in farming practice have led to a substantial decline nationally. Not seen in the vice county since the nineteenth century. Extinct.

Galium tricornutum Dandy.

Corn Cleavers

*National Status: Rare, Critically Endangered.**North Northumberland Status: Extinct.*

An annual archaeophyte of arable fields and disturbed ground, the species has declined substantially on a national basis due to changes in farming practice. Not seen in the vice county since 1866. Extinct.

Helminthotheca echioides (L.) Holub.

Bristly Oxtongue

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Extinct.*

Native annual or biennial herb found in open grassland, roadsides, field margins and waste places. An archaeophyte its national distribution appears stable. First recorded in the vice county in 1807, it had not been seen since 1929.

Hordeum marinum Hudson.

Sea Barley

National Status: Scarce, Vulnerable.
North Northumberland Status: Extinct.

Native annual grass growing on the margins of dried up pools, tracks, sea walls and upper saltmarshes. Nationally a decreasing species, due to the increasing importance of sea defences and the draining of coastal grazing marshes. Not certainly recorded in the VC since the nineteenth century. Extinct.

Hypopitys monotropa Crantz

Yellow Bird's Nest

National Status: Not Scarce, Endangered.
North Northumberland Status: Extinct.

Saprophytic perennial growing in shaded woodlands and dune slacks. Nationally the species appears to be declining markedly. A single record from the vice county in 1946, where it must now be considered extinct.

Iberis amara L.

Wild Candytuft

National Status: Scarce, Vulnerable.
North Northumberland Status: Extinct.

Native annual, occasionally biennial plant of chalk grassland. It favours steep, south facing slopes where there are areas of bare ground. Confined as a native to the south, it is (or was) widespread as an introduction, although the records may be somewhat overstated due to confusion with other species. Two casual nineteenth century records only. Extinct.

Jasione montana L.

Sheep's Bit

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native biennial herb growing on sea cliffs, maritime grasslands and sand dunes. Inland it is found on heaths, stone walls, hedge banks and cuttings. Nationally the species is in decline. Single record for the vice county, not seen since 1953. Extinct.

Linum bienne Miller.

Pale Flax

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native annual, occasionally a short lived perennial growing in dry grass or scrubland, often near the sea. It is also found on cliffs, in quarries and roadsides. Nationally, its concentration as a native in the south west, although it is also found around the Welsh coast and occasionally elsewhere. Its population appears to be stable. Not seen in the

Vice County since the late nineteenth century, when it was presumably casual.
Extinct.

Lithospermum arvense L.

Field Gromwell

National Status: Not Scarce, Endangered.

North Northumberland Status: Extinct.

Native annual archaeophyte growing in arable fields and occasionally on waste and other disturbed ground. Nationally it has been in substantial decline since the 1950s due to changes in agricultural practices. Common in the vice county in the nineteenth century it now appears to be Extinct.

Lithospermum officinale L.

Common Gromwell

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Native perennial herb of grasslands, hedgerows and woodland edges, favouring base rich soils. Nationally the species seems to be declining, particularly in Scotland and the north. Not apparently seen in the Vice County since 1938, early records seem to be as a native rather than a casual. Extinct.

Lolium tementulum L.

Darnel

National Status: Rare, Critically Endangered.

North Northumberland Status: Extinct.

Annual, very persistent weed of arable land, it is now a rare casual. An archaeophyte, it was first recorded in the UK in 1548. It has entirely vanished as an arable weed nationally. Not recorded in the vice county since 1893. Extinct.

Marrubium vulgare L.

White Horehound

National Status: Scarce, Least Concern.

North Northumberland Status: Extinct.

A native perennial in southern and western coastal areas, it is extremely unlikely that this plant is native in VC68. Widely cultivated for both its medicinal properties and as a garden plant, its native national distribution is somewhat masked by its abundance as an introduced species. However it was regularly recorded from 1769 onwards until 1926, since when it has not been seen. Extinct.

Mertensia maritima (L.) S.F.Gray.

Oysterplant

National Status: Scarce, Near Threatened.
North Northumberland Status: Extinct.

Perennial herb found on gravelly beaches and shingle. Nationally the species seems to be expanding at the north of its range and contracting to the south. No records for the vice county since 1928. Extinct.

Minuartia verna (L.) Hiern.

Spring Sandwort

National Status: Scarce, Near Threatened.
North Northumberland Status: Extinct.

Native perennial herb growing in short grassland over lime, limestone scars and scree. It also grows on metal rich soils, for example on mining spoil. Nationally its distribution is stable. First recorded in the vice county in 1853 it has not been seen since 1919. Extinct.

Oenanthe fistulosa L.

Tubular Water Dropwort

National Status: Not Scarce, Vulnerable.
North Northumberland Status: Extinct.

Perennial herb of damp and wet habitats - meadows, pastures, marshes, fens and at the edges of rivers, streams, lakes and ponds. Nationally the species has declined through drainage and conversion of pasture to arable use. Not recorded in the vice county since 1893. Extinct

Orobanche rapum-genistae Thuill.

Greater Broomrape

National Status: Scarce, Near Threatened.
North Northumberland Status: Extinct.

Native perennial parasite of leguminous shrubs, especially Ulex. The species suffered a dramatic decline in the nineteenth and early twentieth centuries. Not seen in the vice county since 1868. Extinct.

Papaver hybridum L.

Rough Poppy

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Archaeophyte of arable fields and disturbed habitats, favouring calcareous substrates. Nationally it has a south eastern distribution although many individual sites occur as far north as central Scotland. Single record from the mid-nineteenth century in North Northumberland. Extinct.

Persicaria minor (Hudson) Opiz.

Small Water Pepper

National Status: Not Scarce, Vulnerable.
North Northumberland Status: Extinct.

Annual growing in marshy places, beside ponds and ditches and in damp pastures. Nationally its distribution is fairly stable. Single record from the vice county in 1936. Presumed extinct.

Platanthera chlorantha (Custer) Reichenb.

Greater Butterfly Orchid

National Status: Not Scarce, Near Threatened.
North Northumberland Status: Extinct.

Native perennial herb found in a wide variety of habitats - downland, hay meadows, scrub, woods and sand dunes. Nationally there have been some losses during the twentieth century. Recorded in the nineteenth century, There are no modern records from the vice county although it does (or did recently) occur just across the border with VC67. Extinct

Potamogeton alpinus Balbis.

Red Pondweed

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native perennial found in still or slow waters - lakes, rivers, canals and ditches. The species has declined nationally during the twentieth century due to drainage of ponds and ditches. The picture is replicated in the vice county where it has not been recorded since 1868. Extinct.

Pucinellia rupestris (With.) Fernald and Weatherby.

Stiff Saltmarsh Grass

National Status: Scarce, Least Concern.
North Northumberland Status: Extinct.

Native annual or perennial grass found in bare areas above the tidal limit, behind sea walls and occasionally on muddy shingle. Nationally the species has declined substantially, particularly in the North of England. This is reflected in the vice county where the species has not been seen since the nineteenth century. Extinct.

Ranunculus arvensis L.

Corn Buttercup

National Status: Scarce, Critically Endangered.
North Northumberland Status: Extinct.

Native annual growing in arable fields. An archaeophyte which has been in the UK since Roman times. Nationally the species has declined dramatically due to changes in farming practice. Not seen in the vice county since the nineteenth century. Extinct.

Ranunculus omiophyllus Ten.

Round Leaved Crowfoot

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Extinct.*

Native annual or short-lived perennial growing in shallow water or on wet soil including the margins of ponds and rivers and damp depressions and flushes. Nationally a plant with a western distribution it appears to have declined at the edges of its range. Only two records in the vice county from 1925 and 1936. Extinct.

Rhinanthus minor subsp. monticola (Sterneck) O.Schwartz.

Yellow Rattle

*National Status: Not Scarce, Data Deficient.**North Northumberland Status: Extinct.*

Native annual hemiparasite growing in basic grassland and rock ledges. Nationally this subspecies is probably under-recorded, however its distribution is probably stable. Single site in the vice county, however only seen once on Cheviot in 1938 and probably now extinct.

Scandix pecten-veneris L.

Shepherd's Needle

*National Status: Scarce, Critically Endangered.**North Northumberland Status: Extinct.*

Native annual weed of arable land. Nationally a mainly lowland species which was once widespread but suffered a population crash as a result of the introduction of chemical herbicides in the later 1950s. Only once recorded in the Vice County, published in 1807. Extinct.

Sium latifolium L.

Greater Water Parsnip

*National Status: Scarce, Endangered.**North Northumberland Status: Extinct.*

Native perennial herb of wet tall herb fen, ditches and ditch banks. Nationally the species has declined substantially due to drainage and habitat destruction. This is reflected in the vice county where it has not been seen since 1938. Extinct.

Smyrniolum olustrum L.

Alexanders

*National Status: Not Scarce, Least Concern.**North Northumberland Status: Extinct.*

Perennial herb growing on hedge banks, cliffs, roadsides and waste ground. An archaeophyte, introduced into the UK in Roman times, it was widely cultivated until

the 15th century. Nationally its distribution appears stable. A single nineteenth century record. Extinct.

Stellaria palustris Retz.

Marsh Stitchwort

National Status: Not Scarce, Vulnerable.

North Northumberland Status: Extinct.

Native perennial herb found in damp and wet places, pastures, fens and marshes. Nationally it is declining substantially. This is reflected in the vice county where its sites have been lost through drainage and drying out. Extinct. A 1994 record from the River Coquet is unconfirmed.

Thalictrum flavum L.

Common Meadow Rue

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Native perennial, favouring fens, streamsides and ditches and also found in wet meadows. Nationally the species has declined over the last 80 years due to agricultural improvement and drainage. Two nineteenth century records only in North Northumberland. Extinct.

Thelypteris palustris Schott.

Marsh Fern

National Status: Scarce, Least Concern.

North Northumberland Status: Extinct.

Native perennial fern found in open fen where the ground is permanently wet. Nationally its population is fairly stable. It was previously found in Learmouth Bog which was drained in the late 1860s and the plant extinguished. A 1937 record is almost certainly an error. Extinct.

Tofieldia pusilla (Michx.) Pers.

Scottish Asphodel

National Status: Not Scarce, Least Concern.

North Northumberland Status: Extinct.

Perennial native, favouring calcareous flushes. Nationally it is confined to the Highlands of Scotland, with outliers in the Pennines. First recorded in Britain by John Ray in 1671, the site was thought to be just over the border in Scoland, however recent work by M.E. Braithwaite has shown that the plant was, in all probability, found just on the English side of the border in North Northumberland. Unfortunately the only record for the Vice County. Extinct.

Utricularia minor L.

Lesser Bladderwort

National Status: Scarce, Least Concern.
North Northumberland Status: Extinct.

Native perennial growing in shallow water, bog pools, lake edges, ditches and small ponds. Nationally the species is declining substantially. Not seen in the vice county since 1893, due to destruction of sites through drainage. Extinct.

Verbena officinalis L.

Vervain

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native perennial herb found on bare ground in rough grassland, scrub, roadsides, coastal cliffs and occasionally in quarries and gravel pits. An archaeophyte which has been in the UK since the Neolithic. Nationally its population shows a substantial decline. Not seen in the vice county since the nineteenth century. Extinct.

Vicia orobus DC.

Wood Bitter Vetch

National Status: Not Scarce, Near Threatened.
North Northumberland Status: Extinct.

Perennial herb found on banks and the edges of fields. Nationally it is declining due to grassland improvement and reclamation, as well as changes in grazing practice. No record since 1837. Extinct.

Viola tricolor subsp. curtsii (E.Forster) Syme.

Seaside Pansy

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Perennial herb of sand dunes and coastal grassland. Nationally the distribution seems fairly stable. Not seen in the vice county since 1919. Extinct.

Viscum album L.

Mistletoe

National Status: Not Scarce, Least Concern.
North Northumberland Status: Extinct.

Native hemiparasite of a range of trees in orchards, hedgerows, parks and gardens. Nationally its native range is entirely obscured by introductions. It is likely that the only VC68 record represents such an introduction. In any event not seen since the nineteenth century. Extinct.

Appendix A. Excluded Species.

The following have been excluded from the foregoing list. This has been done on the basis that the records, the majority of which date from the nineteenth century, relate to errors of identification or in some cases escapes from gardens.

<i>Alisma lanceolatum</i> With.	Narrow Leaved Water Plantain
<i>Althea officinalis</i> L.	Marsh Mallow
<i>Aquilegia vulgaris</i> L.	Columbine
<i>Briza minor</i> L.	Lesser Quaking Grass
<i>Bromus racemosus</i> L.	Smooth Brome
<i>Carex aquatilis</i> Wahlenb.	Water Sedge
<i>Carum carvi</i> L.	Caraway
<i>Chenopodium chenopodioides</i> (L.) Aellen.	Saltmarsh Goosefoot
<i>Cirsium dissectum</i> (L.) Hill.	Meadow Thistle
<i>Cochlearia officinalis subsp. scotica</i> (Druce) P.S. Wyse Jacks	
<i>Corynephorus canescens</i> (L.) P. Beauv.	Grey Hair Grass
<i>Crithmum maritimum</i> L.	Rock Samphire
<i>Daboeca cantabrica</i> (Huds.) K. Koch.	St Dabeoc's Heath
<i>Draba muralis</i> L.	Wall Whitlowgrass
<i>Dryopteris cristata</i> (L.) A. Gray.	Crested Buckler Fern
<i>Erodium maritimum</i> (L.) L'Hér.	Sea Stork's Bill
<i>Euphorbia amygdaloides</i> (L.)	Wood Spurge
<i>Fritillaria meleagris</i> L.	Fritillary
<i>Fumaria valantii</i> Loisel.	Few Flowered Fumitory
<i>Juncus acutus</i> L.	Sharp Rush
<i>Juncus compressus</i> Jacq.	Round Fruited Rush
<i>Juniperus communis subsp. nana</i> (Hook) Syme	
<i>Lathyrus niger</i> (L.) Bernh.	Black Pea
<i>Lathyrus nissolia</i> L.	Grass Vetchling
<i>Limonium humile</i> Mill.	Lax Flowered Sea Lavender
<i>Lycopodiella inundata</i> (L.) Holub.	Marsh Clubmoss
<i>Maianthemum bifolium</i> (L.) F.W. Schmidt.	May Lily
<i>Melampyrum sylvaticum</i> L.	Small Cow Wheat
<i>Nymphoides peltata</i> Kuntze.	Fringed Water Lily
<i>Oenanthe pimpinelloides</i> L.	Corky Fruited Water Dropwort
<i>Oenanthe silaifolia</i> M. Bieb.	Narrow Leaved Water Dropwort
<i>Ophioglossum azoricum</i> C. Presl.	Small Adder's Tongue
<i>Ononis spinosa</i> L.	Spiny Restharrow
<i>Poa glauca</i> Vahl.	Glaucous Meadow Grass
<i>Potentilla cranzii</i> (Crantz) Beck ex Frisch	Alpine Cinquefoil
<i>Puchinellia distans subsp. borealis</i> (Holmb.) W.E. Hughes.	
<i>Rumex palustris</i> Sm.	Marsh Dock
<i>Saxifraga hirculus</i> L.	Marsh Saxifrage
<i>Scheuchzeria palustris</i> L.	Rannoch Rush
<i>Thymus pulegiodes</i> L.	Large Thyme
<i>Trifolium ochroleucon</i> Huds.	Sulphur Clover
<i>Turritis glabra</i> L.	Tower Mustard
<i>Veronica spicata</i> L.	Spiked Speedwell