

ORKNEY
Vice County 111

Scarce, Rare & Extinct
Vascular Plant Register



Eric Meek & John Crossley
2015

The records for this Register have been selected from the databases held by the Botanical Society of the British Isles. The great majority of these records were made by amateur botanists.

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

Acknowledgements

Our thanks go to all those who have contributed records over the years. Hundreds of people have between them provided thousands of records and this publication would not have been possible without them. Nor would it have been possible but for the legacy, in plant records and investigations into locally distinctive species over very many years, of the previous BSBI Recorder for Orkney, the late Elaine Bullard. Thanks also to the many determiners who specialise in difficult plant groups, and to Chris Metherell who provided guidelines and an initial template for the Register, which we have customised for Orkney; and to Barbara Sumner, whose customisation of the template for a Midlothian *Register* we have frequently copied! Finally, thanks to Jim McIntosh (BSBI Scottish officer), Chris Metherell and Julian Branscombe for suggestions and checking the draft text.

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Abbreviations

agg. – aggregate of closely related taxa

Anon. – recorder unknown

BSBI – Botanical Society of Britain and Ireland

CITES – Convention on the International Trade in Endangered Species

IUCN – International Union for the Conservation of Nature

JNCC – Joint Nature Conservation Committee

LBAP – Local Biodiversity Action Plan

RDB – Red Data List

RBGE – Royal Botanic Garden Edinburgh

SBL – Scottish Biodiversity List

sens. lat. – *sensu lato* (in the broad sense)

sens. strict. – *sensu stricto* (in the strict sense)

subsp. – subspecies

SNH – Scottish Natural Heritage

UK BAP – United Kingdom Biodiversity Action Plan

Introduction

This *Register* comprises details of the occurrence of rare plants in Vice County 111, Orkney. It has been produced as part of a national initiative based on the Botanical Society of Britain & Ireland (BSBI) vice-county system.

The *Register* is intended to provide an up-to-date account of the occurrence of rare plants in Vice County 111, Orkney. The plant records upon which it draws to assess the status of species were made in the period 1960 – 2014. That the representative period should begin in 1960 is both apt and fortuitous: apt because it takes a good number of years to accumulate enough records with sufficient geographical coverage to be able to make a reasonably robust assessment, but without including records too aged to be of much current relevance; fortuitous because 1960 marks the beginning of a period of constant and comprehensive plant recording that has continued to this day. It was the year in which Elaine Bullard, Vice County Recorder until 2009, started recording in earnest, and it follows a relatively fallow period of two decades since the death, in 1939, of the great Orcadian botanist Henry Halcro Johnston, creator of a vast herbarium and publisher of many papers on Orkney plants. (The life of another eminent Orcadian botanist, James Sinclair, spanned the intervening period, but he was abroad at that time except for brief periods and made few records in his home county. His main period of recording and collecting in Orkney was earlier, as a very young man, often in the company of Johnston. He died in 1968.)

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 continues over the Vice County, changes in the occurrence and distribution of these plants can be ascertained over time.

The botanical and common names are those used by Stace (2010). Species are arranged in alphabetical order. For each rare species we provide a distribution map, a brief account and a tabulated list of records made in the qualifying period (1960-2014).

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 II, IV or V; or Appendix I of the Bern Convention or Annex A or B of CITES;

b) National Criteria. Native and archaeophyte 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 *Critically Endangered*, *Endangered*, *Vulnerable*, *Near Threatened* and *Data Deficient* in the British Red Data List for vascular plants (Cheffings & Farrell 2005);
- are nationally rare, occurring in 15 or fewer 10km squares in Britain (Stace, 2010);
- are nationally scarce, occurring in between 16 and 100 10km squares in Britain (Stace, 2010);
- are Priority Species in the UK Biodiversity Action Plan;
- are on the Scottish Biodiversity List (SBL).

c) Local Criteria. Native and archaeophyte vascular plant species which:

- are rare – present in 3 sites or fewer in the Vice County. In this context a ‘site’ is a discrete area within a moveable kilometre square, which seems at first glance to be a slightly vague concept but in general is fairly easy to apply in practice;
- are scarce – present in 4-10 sites in the Vice County. Here there has been a degree of selection: the limits have not been strictly adhered to in the case of a small number of species with very restricted distribution;
- are extinct in the Vice County.

‘Native’ is, of course, a fugitive term. It is taken here to mean ‘native in Orkney’, that is, native in Britain in general but also in Orkney in particular. This is an approach seldom taken in county Rare Plant Registers, which generally include all species native in Britain, because of the great difficulty – insuperable in some cases – of deciding local status in contiguous land areas. Thanks to the relative isolation of this island group we regard it as quite possible to make judgments, albeit some more robust than others, for all species. In this we mainly follow Elaine Bullard’s conclusions, which drew on her extensive knowledge of historical documents, especially Magnus Spence (1914), except in those few cases where new information has led to reassessment of the situation.

‘Archaeophytes’ are alien species introduced to the UK before A.D. 1500.

Exclusions

Alien species introduced to Britain more recently than A.D. 1500 are known as ‘neophytes’ and are not, with rare exception, included in this *Register*. Some neophytes are well-established, widespread and have become naturalised, whilst others do not persist in the wild for more than five years and are known as ‘casuals’. Another group of neophytes are those species planted or thrown out of gardens, irrespective of how long they persist. Whilst neophytes are generally excluded from the *Register*, we have made a very few exceptions for some of historical or cultural interest in Orkney, the nature of which is explained in the individual species entry.

A difficulty arises over species which occur as natives or archaeophytes but have also been introduced in recent times. Native trees are the most obvious examples. We distinguish between these, making a note about non-native occurrence in the species account but listing only records of native occurrence in the attached table.

Microspecies of *Hieracium* and *Taraxacum* are omitted, as their distribution is inadequately known in the Vice County at present. It should be noted that the Orkney members of these genera include some significant native species. However, neither of these genera have received much attention in recent years, but it is hoped that the next few years will allow them to be better understood, such that they can have the appropriate treatment in a future edition of this *Register*.

Hybrids have generally been omitted because their distribution is also inadequately known at present. There are some exceptions however, these comprising some more readily identifiable taxa and others more critical but of great national rarity. Subspecies have been omitted except where of particular interest or importance; for instance *Gentianella amarella* subsp. *septentrionalis* is an endemic and ‘Near Threatened’ taxon whilst the subsp. *amarella* is not.

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 from responsible botanists who may cause accidental damage when visiting, for instance through 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.

Updating

As has already been pointed out, this *Register* provides a current view based on the available records up to 31st December 2014. To be an effective conservation tool it must be kept up to date. As further records become available, they will be entered into the BSBI and Orkney Wildlife Information & Records Centre databases and used in future editions of the *Register*. It is not intended to revise this document at frequent intervals, but the underlying data (an Excel spreadsheet of records) will be updated annually. Records which add to, up-date or correct those in this Register are very welcome, so if you see interesting plants please let your local vice-county recorder know, so that the records can be validated and used in the updating process (e-mail: flawsjohn@gmail.com).

The Records

The records are those for Orkney held in the BSBI database up to the end of 2014, as stated above. Most of the records are direct field observations. In addition, there are records of voucher specimens in local and national herbaria, especially in the herbarium of the Royal Botanic Garden Edinburgh. There are rather few of these for the period 1960-2014, but a great number dating from earlier times, especially the late 19th and early 20th Centuries. The herbaria of Henry Halcro Johnston (at RBGE) and Magnus Spence (in Stromness Museum, Orkney) are particularly important in this respect. There are also records gleaned from the literature (Magnus Spence, 1914; Henry Halcro Johnston, published and unpublished papers, notebooks and diaries, various early 20th C dates; James Sinclair, draft manuscript c.1965; Elaine Bullard, draft *Flora* [unfinished] c.2000). Selected MSc and PhD studies and consultants' reports, including the authors' own, have also yielded records. It is thought that there are few post-1959 records of importance awaiting discovery, but there are almost certainly older ones, especially those made by Henry Halcro Johnston, whose papers and vouchers have not yet been fully researched.

The table of records for each extant taxon shows the most recent record from each site. In some cases this may be the only record from the site, but in many cases there are earlier ones. In the great majority of cases the Grid Reference given is at 100m (6-figure) resolution, but sometimes at monad (1 x 1 km square), tetrad (2 x 2 km), or very occasionally at hectad (10 x 10 km) resolution. Recently, scarce and rare species have sometimes been recorded at 10m or even 1m resolution (8- or 10-figure grid references). In this Register these have been lowered to 100m resolution (6 figures) for space reasons, and a symbol (§) inserted to show that fuller information is available (from John Crossley on request). Records at hectad resolution have been included only where none better is available – just 11 cases in all.

It is also the case that National Grid references for older records are necessarily estimated, often at low resolutions that are of limited use. Nevertheless, older records are not entirely excluded from this document: historical information is employed where it provides a perspective on more recent records, and is frequently used in the case of extinct species, the accounts of which form the final part of this document.

Site names are given to assist in providing an overall picture. A high-resolution grid reference provides the most accurate location. Recorder names are provided where known.

The records of species are split into two sections. The first section consists of accounts of those species which are still extant (or believed to be so) in the Vice County. This is followed by a section of extinct (or presumed extinct) species. For each species, details of the national status and distribution are from the literature (Cheffings & Farrell, 2005; Preston *et al.*, 2002; Stace, 2010). Orkney details are from the sources listed in the first paragraph of this section and the authors' own knowledge.

The Maps

Each account of an extant species includes a map of Orkney, illustrating the distribution of records listed in the table. All records, whatever their original resolution, are shown at tetrad resolution. In those 11 cases (out of a total of c1200) where records exist only at hectad resolution, the hectad reference has been replaced, albeit somewhat artificially, with a tetrad:

the selection of tetrad is based on either the site name or local knowledge of sites and habitats, rather than being merely representative of the hectad. The two small islands of Sule Skerry and Sule Stack, part of VC 111 but situated approximately 60 km west of mainland Orkney, are omitted from the map. Two species included in this *Register* have been recorded from Sule Skerry: the species account for each has a note indicating that this record is missing from the map.

Overview

The overall number of taxa included in this *Register* is 194, of which 174 are extant and 20 extinct. This is approximately a fifth of the total flora of the Vice County. The table below summarises the number of taxa in each conservation category. Some taxa have more than one designation. For some species, it is a particular subspecies that is of conservation concern. Only five hybrids in the *Register* have a conservation designation.

Conservation Designation	EXTANT in VC 111			EXTINCT in VC 111		
	Native	Archaeo-phyte	Total	Native	Archaeo-phyte	Total
Hab Dir: Annex II, IV or V	0	0	0	0	0	0
Bern: A1	0	0	0	0	0	0
CITES	2	0	2	0	0	0
W&CA: Sch. 8	0	0	0	0	0	0
IUCN: CR	0	0	0	0	1	1
IUCN: EN	4	0	4	1	1	2
IUCN: VU	6	2	8	2	0	2
IUCN: NT	13	2	15	0	0	0
IUCN: DD	8	0	8	0	0	0
Endemic	5	0	5	1	0	1
Nationally Rare	5	0	5	1	0	1
Nationally Scarce	21	1	22	3	1	4
UK BAP	12	1	13	1	2	3
SBL	14	6	28	1	1	2
Total designations	90	12	102	10	6	16
Total designated taxa	53	8	61	5	3	8

The table below summarises the number of taxa in each local status category.

Local Status	Native	Archaeo-phyte	Neophyte	Total
Rare	77	6	0	84
Scarce	47	9*	2	60
Extinct (or presumed so)	17	2	0	19
Total taxa	141	17	2	163

* This figure includes one species that may be a neophyte.

Selected Literature References

- Bullard, E. R. *Wildflowers in Orkney, A New Checklist*. Kirkwall: privately published, 1995.
- Cheffings, C.M. & Farrell, L. (Eds). *The Vascular Plant Red Data List for Great Britain*. Peterborough: JNCC, 2005.
- Crook, C.S. 'Vice-county Rare and Threatened Plant Registers. Recommended species selection criteria for the British Isles'. *BSBI News*, 1997, 77, 11-13.
- Perring, F.H. and Farrell, L. *British Red Data Books: 1. Vascular Plants*. Lincoln: SPNC, 1977.
- Perring, F.H. and Farrell, L. *British Red Data Books: 1. Vascular Plants*, 2nd edn. Lincoln: RSNC, 1983.
- Preston, C.D., Pearman, D.A., Dines, T.D. *New Atlas of the British & Irish Flora*. Oxford: OUP, 2002.
- Scott, Walter, *et al.* Rare plants of Shetland. Lerwick: Shetland Amenity Trust, 2002
- Spence, M. *Flora Orcadensis*. Kirkwall: privately published, 1914.
- 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.
- Watson, H. C., *Florula Orcadensis*. *Journal of Botany*, 1864, 2, 11-20.
- Wiggington, M.J. *British Red Data Books: 1. Vascular Plants*, 3rd edn. Peterborough: JNCC, 1999.

Selected Websites

- Botanical Society of Britain and Ireland: www.bsbi.org.uk (links to this Register and Orkney Plants Checklist)
- Botanical Society of Scotland: www.botanical-society-scotland.org.uk
- British Pteridological Society: <http://ebps.org.uk/>
- Joint Nature Conservation Committee: <http://jncc.gov.uk> (links to downloadable lists of conservation-designated taxa and UK BAP species)
- National Biodiversity Network (NBN): http://data.nbn.org.uk/Designation_Categories (quick summaries of species designations and qualifying UK species)
- Orkney Islands Council: <http://www.orkney.gov.uk/Service-Directory/L/Local-Biodiversity-Plan.htm> (link to Orkney LBAP)
- Orkney Wildlife Information and Records Centre: <http://www.orkney.gov.uk/Service-Directory/O/Orkney-Wildlife-Information-and-Records-Centre.htm>
- Royal Botanic Garden Edinburgh: www.rbge.org.uk
- Scottish Biodiversity Forum: www.biodiversityscotland.gov.uk (links to downloadable versions of the SBL and its criteria)
- Scottish Natural Heritage: www.snh.gov.uk

Extant Species

Agrostis gigantea

Black Bent

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

An archaeophyte, widely distributed south of the Scottish central lowlands and also in low-lying areas of north-east Scotland, common enough to be considered a rampant weed in some areas. However, in Orkney it is known from only six scattered sites. There is one pre-1960 record (1896) from the Holm of Elsness, Sanday.



Location	Grid Ref	Date	Recorder
Holm, Graemeshall	HY4802	15 Aug 1991	Bullard, E.R.
Hoy, North Walls, Melsetter	ND2689	27 Jul 1986	Strudwick, M.
Sandwick, Quarry	HY275157	July 1982	Bullard, E.R.
St Ola, Bendigo	HY4407	2005	Bremner, A.
St Ola, Orquill	HY438095	July 1982	Bullard, E.R.
Stronsay, Midgarth	HY6328	16 Aug 1992	BSBI Field Trip
Westray, Bay of Tuquoy	HY455454	1972	Bullard, E.R.

Angelica archangelica

Garden Angelica

National Status: *Not Scarce, IUCN not listed*
 Orkney Status: *Rare*

Until very recently this species was considered to be a neophyte but it may have claims to be an archaeophyte or native in the extreme north of Scotland. This is reflected in its recent addition to the RDB *Waiting List*. It is known to have been in cultivation for a very long time and in the Faroe Islands it is found as a native growing on sea-cliffs, from where it may have been borne as floating seed. In Orkney, it grew in Stromness in the 19th Century, but all recent records are from the island of Westray. Local tradition, supported by Magnus Spence, has it that these plants arrived with Faroese fishermen. There are therefore several possible explanations for the presence of this species in Orkney – chance arrival of seeds by sea, either floating or on fishing boats, or as plants for cultivation – and uncertainty as to the date.



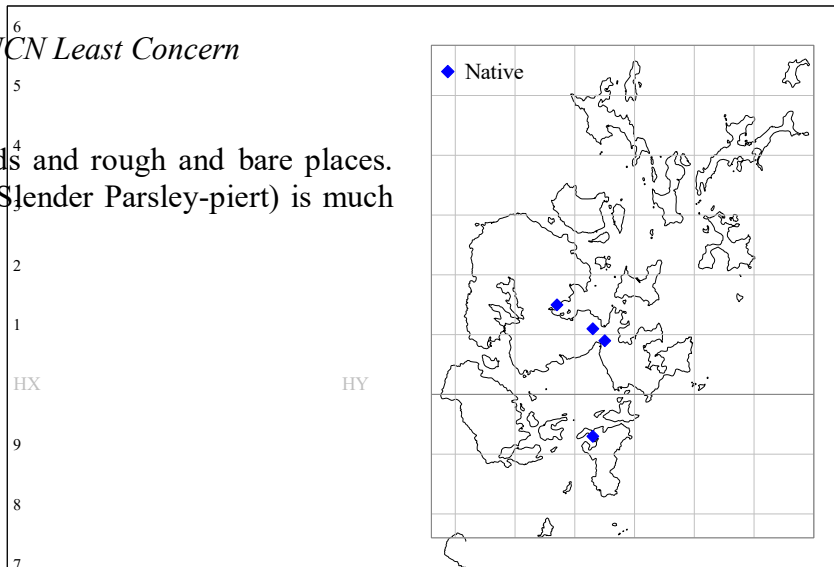
Location	Grid Ref	Date	Recorder
Westray, Bay of Brough	HY4547	15 Sep 1972	Bullard, E.R.
Westray, Gill Pier, and around nearby buildings	HY443495	1987	Bullard, E.R.
Westray, near Kirbist	HY429437	17 Jun 2010	Meek, E.R.

Aphanes arvensis

Parsley-piert

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native annual of arable fields and rough and bare places. Its close relative *A. australis* (Slender Parsley-piert) is much commoner.



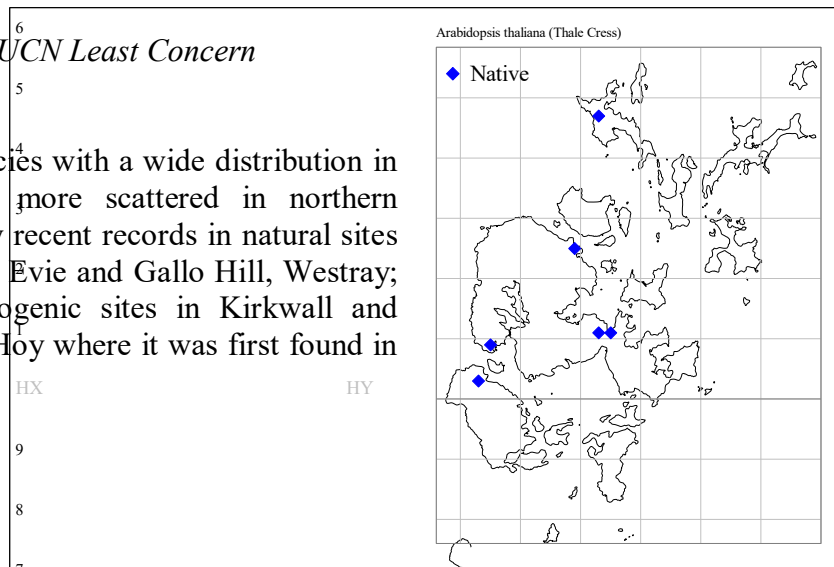
Location	Grid Ref	Date	Recorder
Firth, Moan	HY3615	10 Aug 2007	Meek, E.R.
Kirkwall, Muddisdale	HY434109	23 Jul 2014	Crossley, J.E.
South Ronaldsay, The Fort, nr Dam of Hoxa	ND425939	April 1996	Bullard, E.R.
St Ola, wall by Crantit, Old Scapa Road	HY440096	18 Jul 1998	Turner, C.

Arabidopsis thaliana

Thale Cress

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, annual, pioneer species with a wide distribution in Britain, although becoming more scattered in northern Scotland. In Orkney the only recent records in natural sites are from the Hill of Dwarmo, Evie and Gallo Hill, Westray; all others are from anthropogenic sites in Kirkwall and Stromness with an outlier in Hoy where it was first found in 1920.



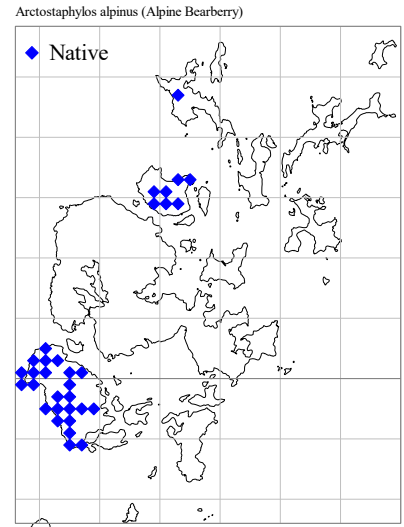
Location	Grid Ref	Date	Recorder
Evie, Hill of Dwarmo	HY393250	03 Jul 2005	BSBI/Muscott, J.
Hoy, Ley House	HY2303	12 May 1991	Meek, E.R.
Kirkwall, Balfour Hospital	HY446103	30 Apr 2010	Crossley, J.E.
Kirkwall, Coplands Lane	HY452109	Jun 1973	Bullard, E.R.
Kirkwall, Muddisdale	HY434109	22 Apr 2014	Crossley, J.E.
Kirkwall, St Magnus Cathedral	HY449108	03 Jul 2013	Crossley, J.E.
Stromness, Hamnavoe East	HY2509	25 Jun 2013	Everiss, E. & Simpson, R.
Stromness, Old Academy	HY253092	18 Jun 2013	Meek, E.R.
Westray, Gallo Hill	HY433460	17 May 1973	Bullard, E.R.

Arctostaphylos alpinus

Alpine Bearberry

National Status: *Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

A native dwarf shrub of exposed upland heath and bog, mainly north of the Great Glen. *A. alpinus* is not strictly 'locally scarce' but is very localised and found only on Hoy and Rousay. On Hoy it is not uncommon, especially in the north but it is also found as far south as The Berry and Melsetter Hill. In the Rousay hills there are sites in four distinct areas. The Westray site, discovered by E.R. Bullard in 1962, was subsequently destroyed by agricultural 'improvement'. Because of the number of records these are summarised in the following table.



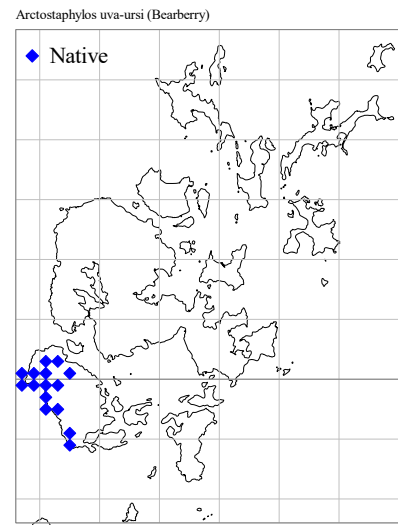
Location	Monads/Tetrads	Date
Hoy (north of Rackwick Road)	HY1800; 1900; 1901; 1903; 2004; 2003; 20G; 2202 ND1899; 1999	1963-2014
Hoy (central – Rackwick Road south to Sky Fea)	HY2500; 2600; ND2195; 2297; 2396; 2498; 2496; 2597	1963-2014
Hoy (south – Sky Fea to Melsetter)	ND2392; 2489; 2490; 2593; 2589; 2594; 2689	1963-2014
Rousay (Blotchnie Field area)	HY4028; 4128; 4129; 4228; HY32Z	1963-2014
Rousay (Faraclett Head)	HY4332; 4433.	1963-2014
Rousay (Kierfea-Withamo)	HY4131; 4232.	1963-2014
Rousay (Twelve Hours Tower)	HY3931	1963-2014
Westray, Knucker Hill	HY428476	May 1962

Arctostaphylos uva-ursi

Bearberry

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native dwarf shrub of upland heaths and moorland found almost entirely north of the Highland boundary fault. In Orkney it is not strictly 'locally scarce' but is included here because it is confined to Hoy. Here it is commonest in the north but with scattered records further south on the west side of the island.



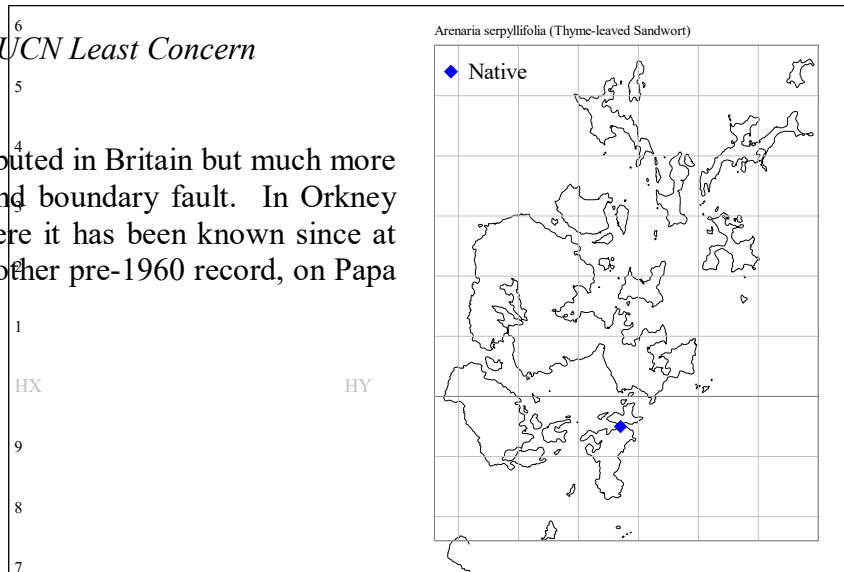
Location	Grid Ref	Date	Recorder
Hoy, near Loch of Stourdale	HY178000	22 Jun 2013	Crossley, J.E, Meek E.R. & Ribbands, J.B.
Hoy, The Stour	HY180008; HY181004; HY181007	22 Jun 2013	Crossley, J.E., Meek E.R. & Ribbands, J.B.
Hoy, track to Old Man, E slope of Moor Fea	HY184001	25 May 2013	Jones, B.
Hoy, Clicknafea	HY194006; HY196000	06 Aug 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Grut Fea	HY201013	16 Oct 2011	Crossley, J.E.
Hoy, upper Rackwick Burn	HY209020	21 Sep 2014	Crossley, J.E.
Hoy, Ward Hill	HY20G	17 Aug 1992	BSBI/Bateman, C.
Hoy, Red Glen	HY2500	09 May 2005	Meek, E.R.
Hoy, near Rora Head	ND175991	22 Jun 2013	Crossley, J.E, Meek E.R. & Ribbands, J.B.
Hoy, near Loch of Stourdale	ND178999	22 Jun 2013	Crossley, J.E, Meek E.R. & Ribbands, J.B.
Hoy, Track to Old Man	ND1899	18 Apr 2008	U3A Orkney Botanical Group
Hoy, Clicknafea	ND196999	06 Aug 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Rackwick, Moorfea	ND1999	02 Jun 2013	Everiss, E.
Hoy, Stourdale	ND19U	1990	Bullard, E.R.
Hoy, path to Old Man	ND19Z	22 Jun 2013	Crossley, J.E., Meek, E.R., Ribbands, J.B. & Jones, B.
Hoy, west coastal strip, S of Red Geo	ND209972	Jul 1975	Bullard, E.R.
Hoy, Runcigill	ND214986	02 May 2011	Meek, E.R.
Hoy, near The Sneuk	ND215956	Jul 1975	Bullard, E.R.
North Walls, W of lower Burn of Forse	ND221940; ND221941; ND222943	11 Jun 2014	Crossley, J.E.
North Walls, NW of lower Burn of Forse	ND222945	11 Jun 2014	Crossley, J.E.
North Walls, W end of Red Hill of Sneuk ridge	ND224953	11 Jun 2014	Crossley, J.E.
North Walls, NW of lower Burn of Forse	ND225947	11 Jun 2014	Crossley, J.E.
Hoy, Lower Rinnigill	ND2299	04 May 2006	Meek, E.R.
Hoy, North Walls, The Berry	ND243905	04 May 2003	Everiss, E.

Arenaria serpyllifolia

Thyme-leaved Sandwort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native annual, widely distributed in Britain but much more scattered north of the Highland boundary fault. In Orkney its only site is on Burray where it has been known since at least 1911 while there is one other pre-1960 record, on Papa Westray in 1913.



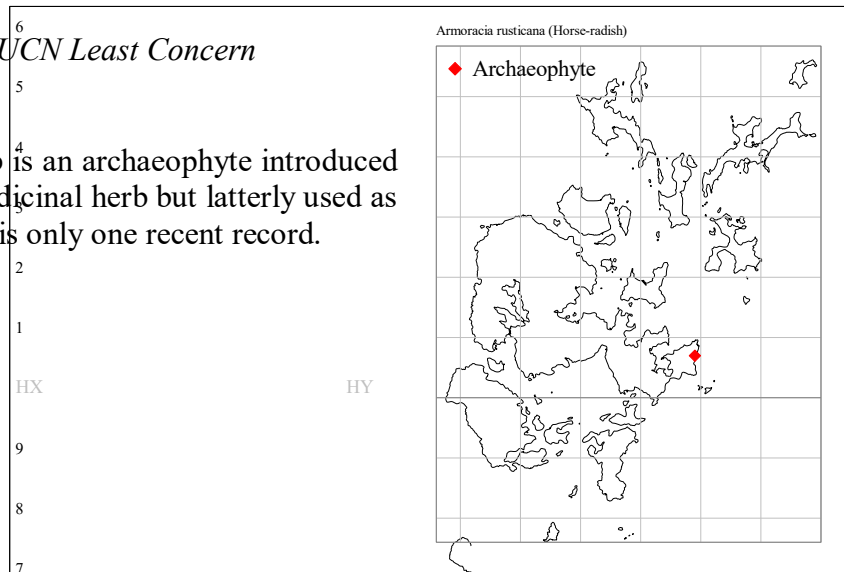
Location	Grid Ref	Date	Recorder
Burray, boatyard	ND472955	05 Aug 1993	Crossley, J.E.
Burray, behind Sands Hotel	ND473957	15 Aug 2010	Meek, E.R.

Armoracia rusticana

Horse-radish

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

This long-lived perennial herb is an archaeophyte introduced into Britain originally as a medicinal herb but latterly used as a hot relish. In Orkney, there is only one recent record.



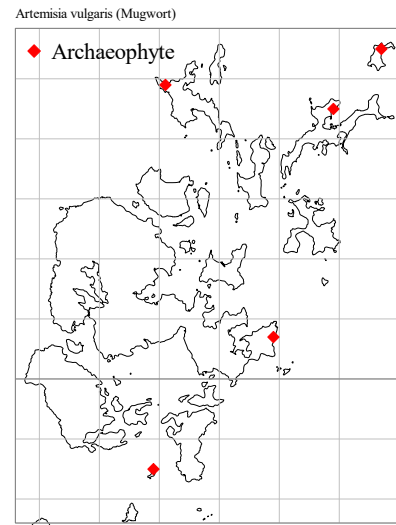
Location	Grid Ref	Date	Recorder
Deerness, Sandside	HY592070	08 May 2011	Meek, E.R.

Artemisia vulgaris

Mugwort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

This tall, aromatic perennial herb is an archaeophyte, relatively scarce north of the Scottish central lowlands. A traditional medicinal herb found in old croft gardens and persisting long after abandonment. In Orkney known mainly from the north isles but with one Mainland site and an outlier on Swona.



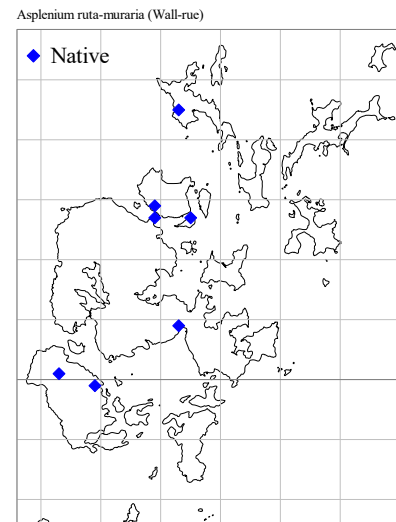
Location	Grid Ref	Date	Recorder
Deerness, Skail	HY587068§	23 Jul 2004	Bullard, E.R. & Meek, E.R.
North Ronaldsay, Ancum	HY75S	01 Oct 2013	Meek, E.R.
Sanday, Burness, Saville	HY684443	18 Sep 1994	Crossley, J.E.
Swona (Centroid)	ND389844	29 Jun 2005	Crossley, J.E.
Westray, Noup Farm	HY414490	08 Jul 1994	Crossley, J.E.

Asplenium ruta-muraria

Wall-rue

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, evergreen fern of basic rock outcrops, but, as its vernacular name suggests, also found in anthropogenic habitats. Well distributed throughout Britain but less so in northern Scotland. In Orkney, most abundant at Cubbie Roo's Castle on Wyre and found in similar anthropogenic habitat in Evie, North Walls and St Ola. In natural habitat it is only known from single sites in the Hoy hills, Rousay and Westray.



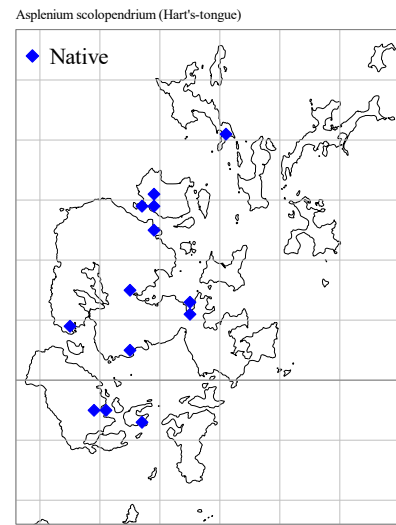
Location	Grid Ref	Date	Recorder
Evie, Brough of Gurness	HY32Y	03 Jul 2005	BSBI/ Bungard, S.J.
Hoy, Nowt Bield	HY234015	06 Jul 1996	O'Connor, R.
North Walls, Lyrawa Bridge	ND29Z	20 Jul 2014	BSBI/Meek, E.R.
Rousay, Ward Hill	HY382298§	25 Aug 2009	Crossley, J.E. & Ribbands, J.B.
St Ola, NE side Scapa Distillery	HY435089	01 Apr 2013	Shearer, H.D.H.
Westray, Fitty Hill	HY426444	09 Jul 1996	Meek, E.R.
Wyre, Cubbie Roo's Castle	HY443264	09 Nov 2010	Meek, E.R.

Asplenium scolopendrium

Hart's-tongue Fern

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

A native, evergreen, perennial fern of humid, moist habitats with only a scattered, mainly coastal distribution north of Inverness. In Orkney, the plants on Eynhallow and on Rousay appear to be native and there is a feeling that those in St Ola are too but those in planted woodlands at Gyre, Orphir; Binscarth, Firth; Woodwick, Evie; and in or on wartime buildings in the southern part of Hoy and on Flotta may well have been introduced. 1952 records from sea cliffs and caves between Rackwick and Rora Head, Hoy need to be checked.



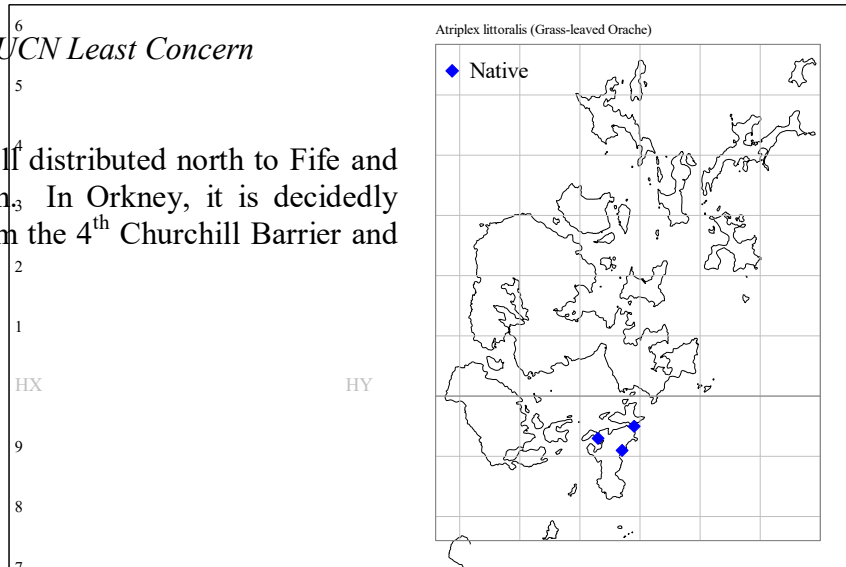
Location	Grid Ref	Date	Recorder
Evie, Woodwick House	HY390240	06 Mar 2013	Shearer, H.D.H.
Eynhallow	HY363291	14 Sep 1990	Shearer, H.D.H.
Firth, Binscarth quarry garden	HY348142	29 Jul 2007	Ribbands, J.B.
Flotta, Stanger Head area	ND39R	03 Jul 2013	Everiss, E. & U3A Botanical group
North Walls, Lyness	ND296954	21 Jul 2002	Meek, E.R.
North Walls, Wee Fea	ND290942§	31 Aug 2009	Jones, B.
North Walls, Lyness	ND39C	1990	Harris, R.
Orphir, Gyre woodland walk	HY343044	09 Apr 2010	Meek, E.R.
Rousay, Ward Hill	HY383298§	28 Jun 2011	Crossley, J.E.
St Ola, Crow Ness, Hatston Industrial Estate	HY444124	19 May 2002	Windwick, A.
St Ola, Kirkwall, Earl's Palace	HY450108	28 Sep 2013	Shearer, H.D.H.
St Ola, Kirkwall, Hatston Ind. Est.	HY443116	19 Oct 2012	Shearer, H.D.H.
St Ola, Kirkwall, New Scapa Road	HY447104	29 Oct 2012	Shearer, H.D.H.
St Ola, Kirkwall, Scott & Millers' store/car park	HY449111	08 Sep 2012	Shearer, H.D.H.
Stromness, N end of Franklin Road	HY256094	11 Jan 2013	Shearer, H.D.H.
Westray, near Whitelet	HY507403§	29 Jun 2013	Crossley, J.E., Meek E.R. & Ribbands, J.B.

Atriplex littoralis

Grass-leaved Orache

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native strandline annual well distributed north to Fife and also in the inner Moray Firth. In Orkney, it is decidedly ephemeral. It is recorded from the 4th Churchill Barrier and two sites in South Ronaldsay.



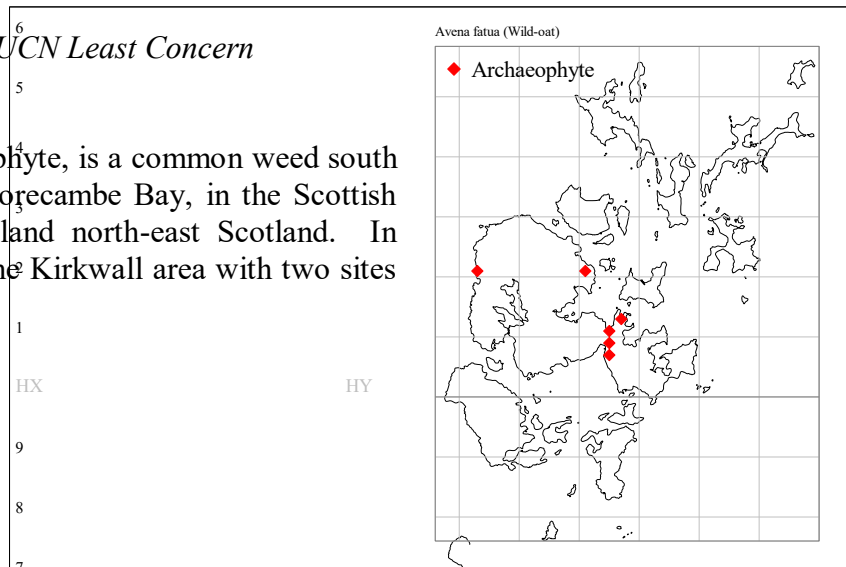
Location	Grid Ref	Date	Recorder
South Ronaldsay, Sands of Wright	ND421937	Sep 1994	Crossley, J. E. & McCance, R.
South Ronaldsay, Newark Bay	ND467905	23 Jun 1975	Birse, E.L.
Burray, 4th Barrier	ND480953§	31 Aug 2011	Crossley, J.E.

Avena fatua

Wild Oat

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

This annual grass, an archaeophyte, is a common weed south of a line from the Tees to Morecambe Bay, in the Scottish central lowlands and in lowland north-east Scotland. In Orkney it is concentrated in the Kirkwall area with two sites in the West Mainland.



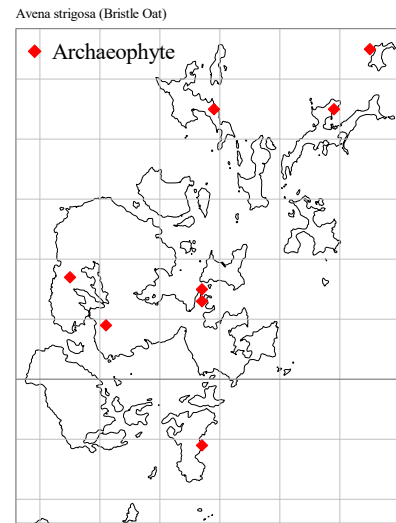
Location	Grid Ref	Date	Recorder
Kirkwall, Orkney College	HY457113	14 Aug 2010	Crossley, J.E.
Rendall, Enyas Hill to Breck Farm	HY42A	27 Jul 2011	Crossley, J.E.
Sandwick, Quoyloo, Bain	HY251207	31 Aug 2001	Crossley, J.E.
St Ola, Bendigo	HY4407	2013	Bremner, A.
St Ola, Carness	HY4613	2013	Bremner, A.
St Ola, Corse	HY440099	Aug 1996	Crossley, J.E.
St Ola, Crantit Farm	HY441096	16 Aug 2004	Crossley, J.E.

Avena strigosa

Bristle Oat

National Status: *Not Scarce, IUCN not listed*
 Orkney Status: *Scarce*

Treated in the 'New Atlas' as a casual but included here because of its historical interest and treated as an archaeophyte. For hundreds of years, this cereal was cultivated in northern and western Britain, but was superseded by *A. sativa* (Cultivated Oat) and is now rarely recorded.



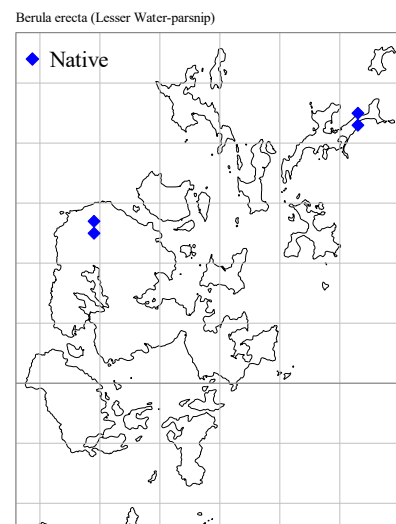
Location	Grid Ref	Date	Recorder
North Ronaldsay, North Manse	HY7554	06 Sep 1997	Crossley, J.E.
Sanday, Northskaill	HY682450	Nov 1996	Crossley, J.E.
Sanday, Ortie	HY685455	1990	Crossley, J.E.
Sandwick, Hestwall, Queena	HY259167	16 Sep 2014	Crossley, J.E.
South Ronaldsay, Lythes/Stews	ND466893	Oct 1996	Crossley, J.E.
St Ola, Carness	HY465140	Sep 2006	Bremner, A.
St Ola, Carness	HY4613	2013	Bremner, A.
Stenness, Ramsquoy	HY301098	Aug 1981	Bullard, E.R.
Westray, Surrigarth	HY493450	1999	Crossley, J.E.

Berula erecta

Lesser Water-parsnip

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

This native perennial is an aquatic and emergent species, scarce in Scotland north of the Central Lowlands. In Orkney it grows at two localities in the Burn of Durkadale, Birsay and in shallow ditches leading into the Westayre Loch in Sanday.



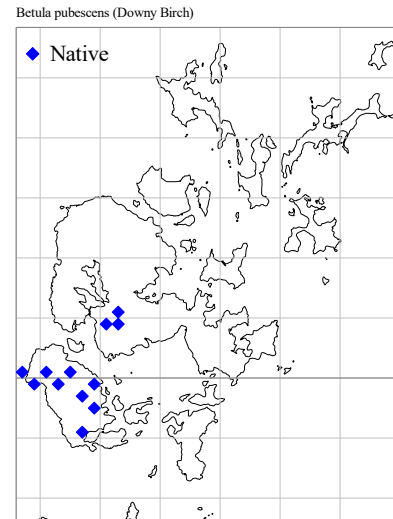
Location	Grid Ref	Date	Recorder
Birsay, Burn of Hillside into Loch of Hundland	HY293254	1991	Meek, E.R.
Birsay, Burn of Hillside, Durkadale	HY297252	1990	Tickner, M.
Sanday, Westayre Loch	HY7244	19 Jul 2014	BSBI/Meek, E.R.

Betula pubescens

Downy Birch

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, deciduous tree, well distributed throughout Britain but scarce in the three outlying Scottish island groups. *B. pubescens* was a component of the original native woodland of Orkney. The centre of its native distribution at the present time is in the Berriedale – Segal Burn area of Hoy, with a scatter of sites south through Hoy as far as the Mill Burn complex. Planted elsewhere but single saplings at two sites in the Vean-North Dales area of the Stenness Hills may be native. All the sites listed below are believed to be native. Only subspecies *pubescens* has been identified in Orkney.



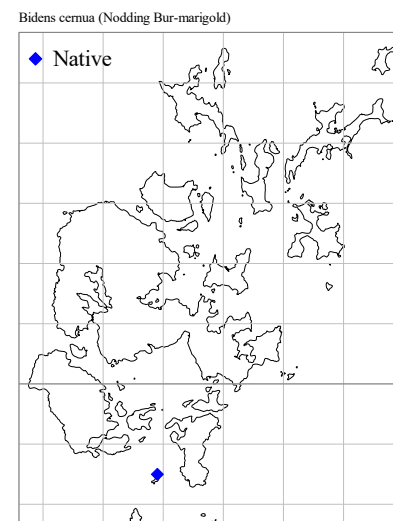
Location	Grid Ref	Date	Recorder
Hoy, Berriedale	HY2001	02 Jul 2005	BSBI/Muscott, J.
Hoy, Burn of Withigill	ND267960§	03 May 2003	Everiss, E. & Jones, B.
Hoy, due E of Loch of Stoursdale	ND181999 & ND180999	01 Jun 2001	Jones, B.
Hoy, Dwarfie Hamars	HY2400	09 May 2005	Meek, E.R.
Hoy, E of Scarsa	HY179009	2001	Jones, B.
Hoy, Lower Rinnigill	ND2299	04 May 2006	Meek, E.R.
North Walls, Lyrawa Burn	ND29	2001	Jones, B.
Hoy, path to Old Man	ND19Z	22 Jun 2013	Crossley, J.E., Meek, E.R., Ribbands, J.B. & Jones, B.
Hoy, W of track to Old Man	ND189999§	25 May 2013	Jones, B.
North Walls, Mill Burn hatchery Site	ND297953§	08 Aug 2005	Everiss, E.
Stenness, North Dales	HY322087§	14 May 2009	Meek, E.R.
Stenness, Vean nr Heath House	HY3109	1991	Meek, E.R.

Bidens cernua

Nodding Bur-marigold

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native annual of damp and wet substrates, very rare north of Angus in the east and Argyll in the west. A recent addition to the Orkney flora, found in 2010 growing in some quantity around the Upfra Loch between Keefa Hill and Warbister Hill on the uninhabited island of Swona; presumed to have been brought in by wildfowl.



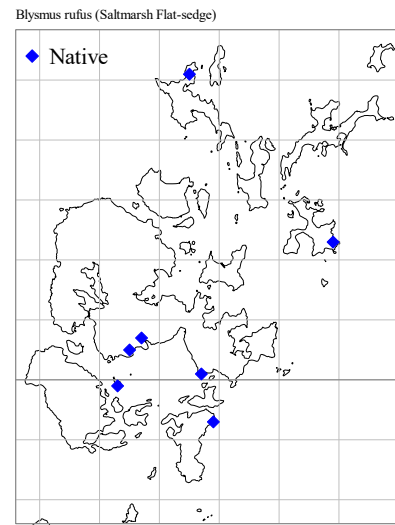
Location	Grid Ref	Date	Recorder
Swona	ND390843	7 Aug 2010	Everiss, E. & Mackintosh, S.

Blysmus rufus

Saltmarsh Flat-sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native saltmarsh plant with its British distribution concentrated on the west coast of Scotland. In Orkney most sites are around Scapa Flow but there are others in South Ronaldsay, Stronsay and Westray.



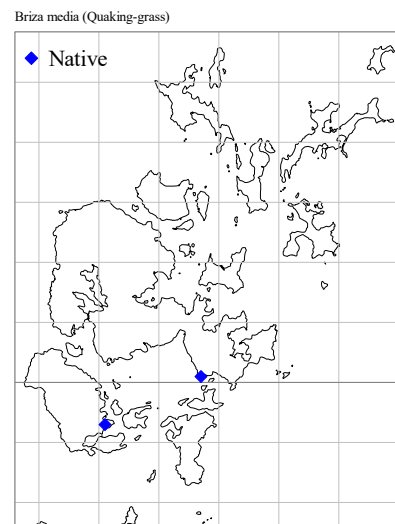
Location	Grid Ref	Date	Recorder
Holm, Bay of Sandoyne	HY463019	1971	Bullard, E.R.
Cava (centroid)	ND328995	1974	Bullard, E.R.
Orphir, Waulkmill Bay	HY376066	1992	Bullard, E.R.
Orphir, Swanbister Bay	HY354051	04 May 2011	Crossley, J.E.
Orphir, Swanbister, Piggar, The Fidge	HY348046	26 Mar 1972	Bullard, E.R.
South Ronaldsay, nr Honeysgeo	ND488936	27 Jun 1994	Crossley, J.E.
Stronsay, Carlin Geo	HY695225	09 Aug 1974	Bullard, E.R.
Westray, Vaval nr Craig Loch	HY446517	30 Aug 2013	Meek, E.R.

Briza media

Quaking Grass

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial grass of well-drained, calcareous and usually species-rich grassland, in Scotland very scarce north of the Great Glen. The only known sites in Orkney are in Holm and North Walls although it appears to have been more widespread in the past. E.R. Bullard mentions that it 'still persists' at Westness, Rousay but no more precise record exists.



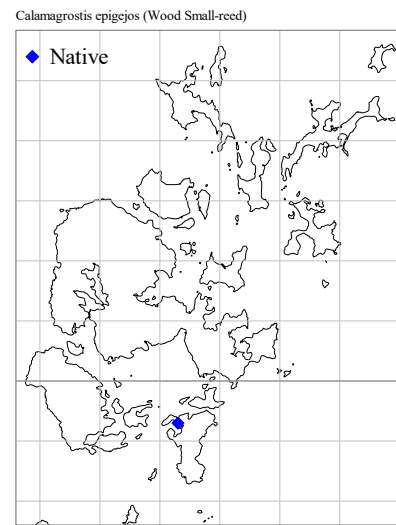
Location	Grid Ref	Date	Recorder
Holm, Howequoy Head	HY463010§	10 Jul 2013	Crossley, J.E.
North Walls, near Ore Farm	ND301931§	13 Oct 2011	Upton, A.

Calamagrostis epigejos

Wood Small-reed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial grass, only very thinly scattered through Scotland. Rare in Orkney; known only from vegetated sea cliffs on the south-east side of the Hoxa peninsula.



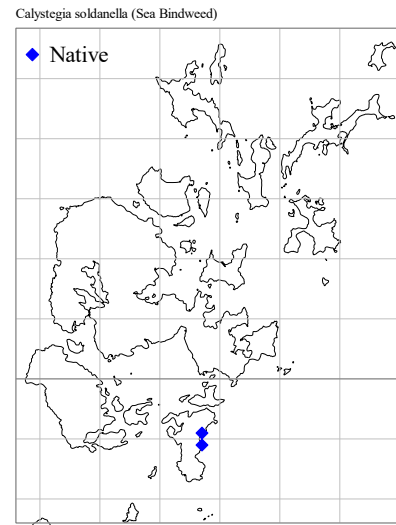
Location	Grid Ref	Date	Recorder
South Ronaldsay, Sands of Wright	ND422937	03 Aug 2008	Crossley, J.E.

Calystegia soldanella

Sea Bindweed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb found on dunes and sea shores, in Scotland not found north of Rum on the west coast or Angus in the east, except for this single Orkney site, known since 1963, at the southern end of Newark Bay, South Ronaldsay.



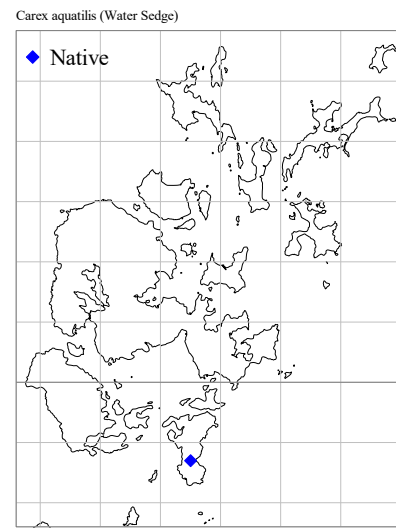
Location	Grid Ref	Date	Recorder
South Ronaldsay, Newark Bay	ND462898§	11 Sep 2011	Crossley, J.E.

Carex aquatilis

Water Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial sedge of swamps and wet peat, relatively widespread between the Scottish Borders and the Moray Firth. Known from one site in Shetland but not added to the Orkney list until 2011.



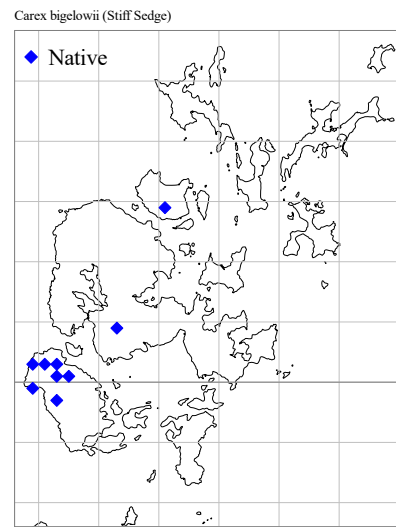
Location	Grid Ref	Date	Recorder
South Ronaldsay, Blows Moss	ND457860§	01 May 2011	Crossley, J.E.

Carex bigelowii

Stiff Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial sedge, in Britain found only in uplands to the north and west of north Wales and the Lake District. In Orkney it is found on Hoy at several sites north of the Rackwick Road but at only two to the south. Away from Hoy, it is known from only two sites – on Rousay and on the northern slopes of Mid Hill, Stenness.



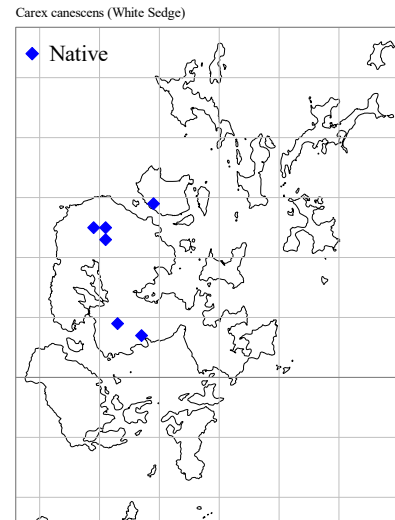
Location	Grid Ref	Date	Recorder
Hoy, Enegars	HY200038§; HY205038§	25 Jun 2010	Orkney Local BSBI Group
Hoy, Enegars, 2nd gully	HY204038	07 Aug 2003	Meek, E.R.
Hoy, NE Ward Hill	HY20G	02 Jul 2005	BSBI/Meek, E.R.
Hoy, Nowt Bield	HY2301	17 Sep 1969	Bullard, E.R.
Hoy, nr St John's Head	HY188033	Aug 1968	Bullard, E.R.
Hoy, path to Old Man	ND190989§	22 Jun 2013	Crossley, J.E., Meek, E.R., Ribbands, J.B. & Jones, B.
Hoy, Sui Fea	HY194032	1990	NCC Peatland Survey
Hoy, Vow Randie	HY2500	26 May 2010	Meek, E.R.
Hoy, North Walls, S of Summer of Hoy	ND239968	Jul 1975	Bullard, E.R.
Hoy, W of Back Saddles	HY199030§	20 Jun 2011	Crossley, J.E.
Rousay, Blotchnie Field, W of summit	HY416288	05 Aug 1987	Corner, R.W.M.
Stenness, Mid Hill	HY3350887	09 Jul 2011	Crossley, J.E., Meek E.R. & Ribbands, J.B.

Carex canescens

White Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial sedge of wet, acidic substrates, well distributed in northern and western Britain. Known in Orkney from only a handful of moorland sites on the Mainland and from one on Rousay.



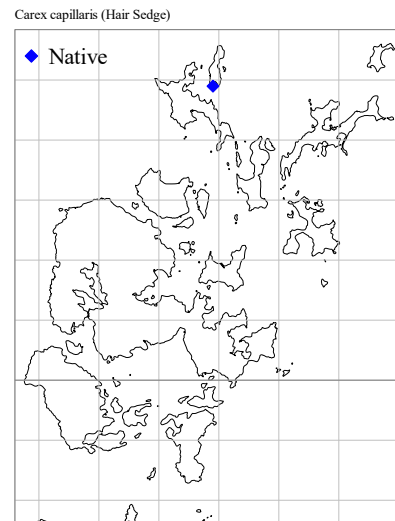
Location	Grid Ref	Date	Recorder
Birsay, Glims Moss	HY308230§	19 Jul 2012	Meek, E.R.
Birsay, Glims Moss, SE side	HY315226§	26 Jul 2004	Crossley, J.E.
Birsay, Loch of Hundland	HY2925	03 Jul 2005	BSBI/Meek, E.R.
Orphir, Harabreck, Swartaback Burn	HY3707	11 Jul 1993	Meek, E.R.
Stenness, Russadale Quarry	HY333098	05 Aug 2013	Meek, E.R.
Stenness, Russadale	HY324097§	21 Jun 2003	Meek, E.R.
Rousay, SW of Peerie Water	HY393292	14 Aug 1992	Thompson, B.

Carex capillaris

Hair Sedge

National Status: *Nationally Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial sedge of base-rich upland grasslands, with a disjunct distribution in north Wales, northern England, the central Highlands and the far north of mainland Scotland. The only Orkney site, on the Moclett Links, Papa Westray, was discovered in 1993. It is still present and is perhaps increasing slightly.



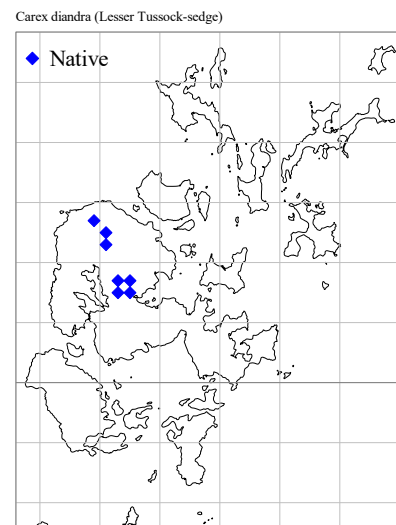
Location	Grid Ref	Date	Recorder
Papa Westray, Moclett Links	HY493498§	09 Jul 2005	Meek, E.R.

Carex diandra

Lesser Tussock-sedge

National Status: *Not Scarce, IUCN Near Threatened*
 Orkney Status: *Scarce*

A native, perennial sedge of wet, peaty areas, with a scattered, mainly Scottish distribution within Britain. All the Orkney records are concentrated in two areas of the West Mainland. The best known is that in the Dee of Durkadale – Glims Moss area of Birsay while the other, also with good populations, is in the fens of the Winksetter area of Harray. A new site was discovered in 2014 at Hunchaquooy, Birsay.



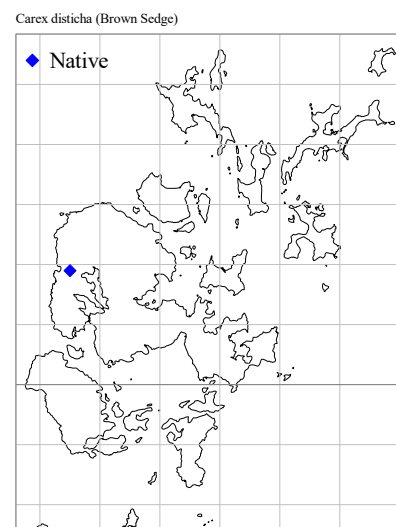
Location	Grid Ref	Date	Recorder
Birsay, Durkadale	HY301250	02 Aug 2003	Gurney, M.
Birsay, Durkadale	HY3024	24 Jul 1983	Orkney Field Club
Birsay, Durkadale	HY310239	Aug 1988	Bullard, E.R.
Birsay, Hunchaquooy	HY290274§	03 Jun 2014	Crossley, J.E. & Meek, E.R.
Firth, Loch of Wasdale	HY3415	29 Jul 2005	Meek, E.R.
Harray, NE side Firth/Birsay	HY3316	30 Jul 2005	Meek, E.R.
Harray, Rosebank, Springfield, Dale, Refuge	HY3315	11 Aug 2007	Everiss, E.
Harray, Winksetter	HY346160	23 Jun 2007	Orkney Field Club
Harray, Winksetter, carr below Syradale	HY346157	Jul 1973	Bullard, E.R.

Carex disticha

Brown Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A widespread native sedge of marshes and loch margins in England and southern Scotland, but very scarce north of the Highland boundary fault. Its single site in Orkney was found in 1967 on the shores of the Loch of Skail, Sandwick.



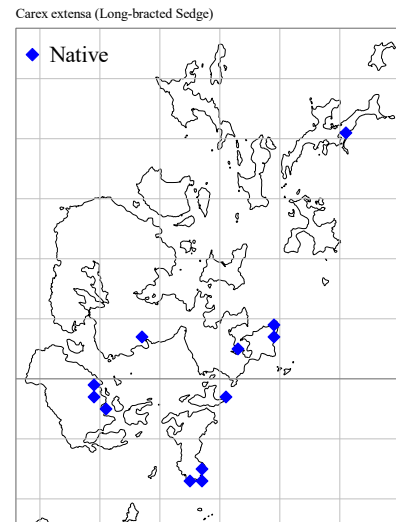
Location	Grid Ref	Date	Recorder
Sandwick, Loch of Skail, opposite junction of B9056 and B9057	HY248180	18 Jul 2004	Meek, E.R.

Carex extensa

Long-bracted Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial sedge always found very close to the sea, scattered around British coasts, but commoner in the west. The Orkney sites are either in saltmarsh, such as those in Orphir, Toab, southeast Hoy and on Sanday; or amongst rocks on low cliff tops, such as those in Deerness, South Ronaldsay and Burray.



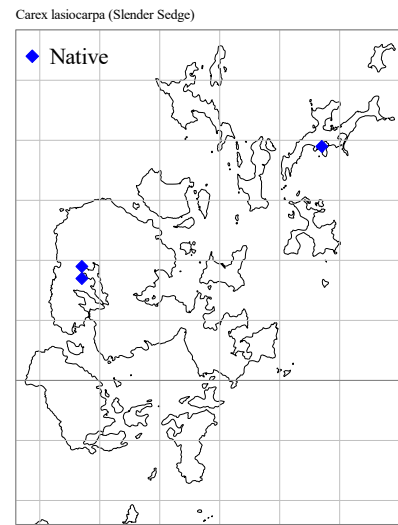
Location	Grid Ref	Date	Recorder
Burray, Burray Ness	ND501962§	10 Nov 2009	Crossley, J.E.
Deerness, The Gloup	HY593077	11 Jul 1991	Thompson, B.
Deerness, between Gloup and Brough	HY594083§	26 Jun 2011	Crossley, J.E.
Deerness, Clu Ber (N of The Gloup)	HY595084§	30 Jul 2014	Crossley, J.E.
Hoy, Lyrawa Bay	ND292987	1974	Bullard, E.R.
North Walls, Mill Bay	ND300953	1979	Bullard, E.R.
North Walls, Pegal Bay	ND296977§	20 Jul 2014	BSBI/Crossley, J.E.
Orphir, Waulkmill Bay	HY3706	07 Jul 2012	Meek, E.R.
Sanday, Lady, Plain of Fidge	HY700413	22 Jul 1991	McTeague, E.
South Ronaldsay, Brough Ness	ND446828§	13 Oct 2010	Crossley, J.E.
South Ronaldsay, Isbister chambered cairn	ND470845§	11 Dec 2012	Crossley, J.E.
South Ronaldsay, Old Head	ND4683	30 Aug 2009	Meek, E.R.
St Andrews, Toab, Bay of Suckquoy	HY524041§	09 Sep 2013	Crossley, J.E.

Carex lasiocarpa

Slender Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native perennial of wet sites with a mainly western and northern distribution. In Orkney, discovered near Bain, Sandwick in 1946 and at a second site near Hackland in 1967. Both these sites were destroyed by drainage. Plants from Bain that were transplanted to Durkadale and Rosemire, both in Birsay, do not appear to have survived. The large colony found near Isegarth, Sanday in 2010 was the first to be seen in Orkney for over 40 years.



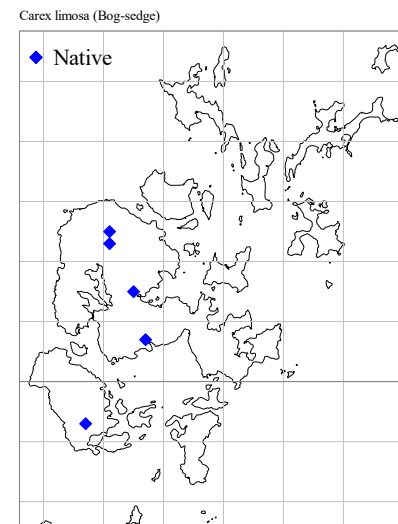
Location	Grid Ref	Date	Recorder
Birsay, Dee of Durkadale below Howally	HY306243	1966	Bullard, E.R.
Birsay, Rossmire, Twatt	HY270218	1966	Bullard, E.R.
Sanday, nr Isegarth	HY665398§	25 Aug 2010	Crossley, J.E.
Sandwick, bog at roadside near Hackland	HY277196	1967	Bullard, E.R.
Sandwick, marsh between Bain and old Sandwick P.O.	HY261171	11 Jul 1965	Bullard, E.R.

Carex limosa

Bog Sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial sedge with a markedly northern and western distribution in Britain. In Orkney it is a plant of the margins of peaty pools and runnels on moorland, restricted on the Mainland to sites in Birsay, Firth, Orphir; and in the Burn of Ore, North Walls.



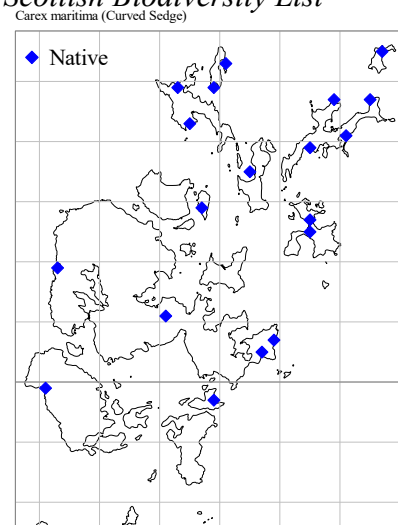
Location	Grid Ref	Date	Recorder
Birsay, Durkadale	HY3024	24 Jul 1983	Orkney Field Club
Birsay, Glims Moss, below Eastabist	HY316230§	26 Jul 2004	Crossley, J.E.
Harray, Winksetter carr below Syradale	HY346157	Jul 1973	Bullard, E.R.
North Walls, Burn of Ore, E of Black Pows	ND270934§	04 Oct 2005	Crossley, J.E.
Orphir, Hobbister RSPB Reserve	HY379078	12 Sep 2004	Meek, E.R.

Carex maritima

Curved Sedge

National Status: *Scarce, IUCN Endangered, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Not Scarce*

A native sedge found in short vegetation in damp dune slacks and bare sand. It has a very restricted British distribution, being virtually confined to a small number of sites on the Scottish east and north coasts including Orkney, Shetland and the Western Isles. In Orkney, a great deal of effort has gone into re-locating old sites and, in the process, some new ones have been found. As a result, the species is currently known in dune slack vegetation on North Ronaldsay, Sanday, in the West Mainland, the East Mainland, Burray and Hoy. However, some sites for this species have undoubtedly been lost.



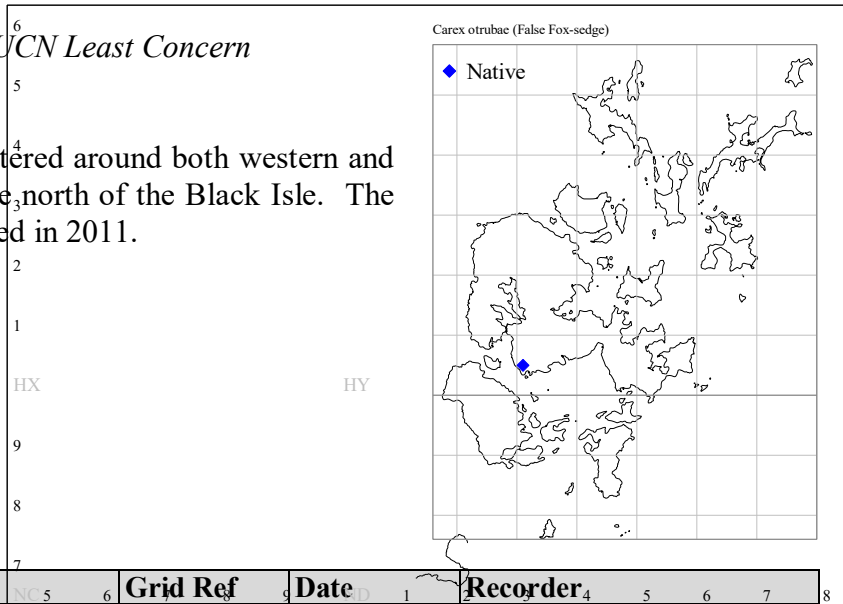
Location	Grid Ref	Date	Recorder
Burray, North Links	ND486977§ ND485977§	24 Jun 2010	Crossley, J.E.
Burray, North Links, Bu of Burray	ND487976	28 Jun 2005	Fallowfield, K. & Everiss, E.
Deerness, Newark	HY5604	1984	Bullard, E.R.
Deerness, Sandside Links	HY588067	28 Jun 1984	Bullard, E.R.
Deerness, Sandside	HY588070§	07 Jul 2005	Bullard, E.R.
Eday, Bay of Doomy	HY557347	11 Sep 1975	Bullard, E.R.
Egilsay, Manse Loch, links	HY478298	Jun 1976	Bullard, E.R.
Hoy, Rackwick, SW of Burnouth	ND208983	01 Aug 2010	BSBI/Crossley, J.E.
Hoy, Rackwick under Craig Gate	ND207983	08 Sep 1991	Bullard, E.R.
Hoy, Rackwick	ND29E	02 Jul 2005	BSBI/Muscott, J.
Hoy, Rackwick, SW of Burnmouth	ND207985	17 Aug 1992	Bullard, E.R. & Turner, C.
North Ronaldsay, golf course	HY767540	01 Jun 2012	Poppleton, R.
North Ronaldsay, Linklet, behind Linklet Bay	HY7650	1980	Bullard, E.R.
Papa Westray, Sheepheight	HY499498	15 Aug 1977	Bullard, E.R.
Papa Westray, Hundland	HY503538	10 Jun 1965	Bullard, E.R.
Sanday, Backaskaill Links	HY646394§	02 Sep 2011	Crossley, J.E.
Sanday, Behind Whitemill Bay	HY685466	Jun 1974	Bullard, E.R.
Sanday, Plain of Fidge	HY707412§; HY704412§; HY706412§; HY708410§; HY710412§; HY708411§	12 Jun 2003	Crossley, J.E.
Sanday, Tofts Ness	HY753470§; HY755471§	04 Jun 2003	Crossley, J.E.
Sanday, Tofts Ness	HY753469§	19 Aug 2011	Crossley, J.E.
Sanday, Whitemill Point	HY698463§; HY698462§; HY696462§	24 Jun 2003	Crossley, J.E.
Sandwick, Bay of Skaill	HY236194§	14 Jun 2008	Gurney, M.
Sandwick, Bay of Skaill	HY232187	1985	Bullard, E.R.
St Ola, Wideford Hill	HY413117	28 Sep 1968	Bullard, E.R.
Stronsay, Bight of Matpow	HY643243	Jun 1979	Cadbury, J.
Stronsay, Gricey Water	HY646260§	30 May 2011	Crossley, J.E.
Westray, Mae Sand links	HY443430§; HY442431§; HY441431	30 May 2013	Crossley, J.E.
Westray, Noltland Links	HY4249	1972	Bullard, E.R.

Carex otrubae

False Fox-sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial sedge scattered around both western and eastern Scottish coasts but rare north of the Black Isle. The only Orkney site was discovered in 2011.



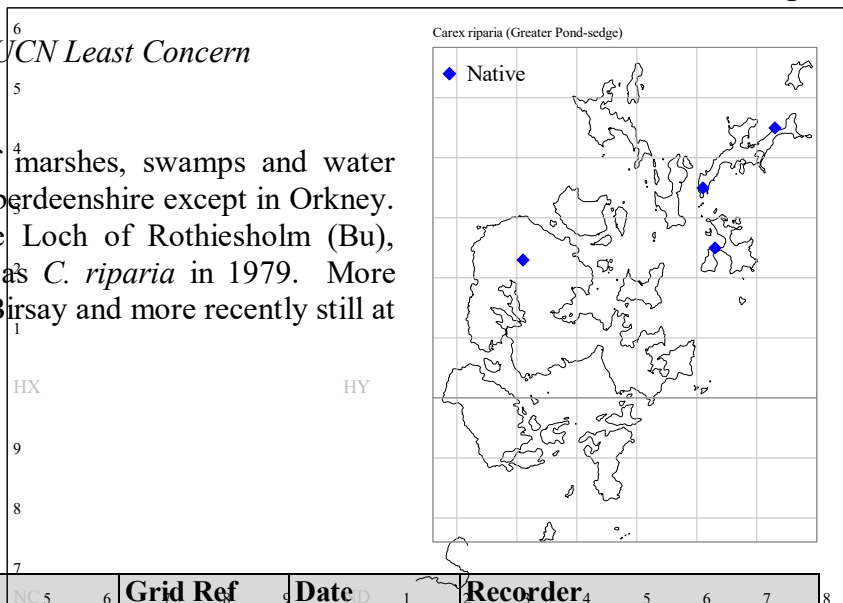
Location	Grid Ref	Date	Recorder
Orphir, nr Breck	HY304040§	16 Oct 2011	Meek, E.R.

Carex riparia

Greater Pond-sedge

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial sedge of marshes, swamps and water margins, unknown north of Aberdeenshire except in Orkney. It was long known from the Loch of Rothiesholm (Bu), Stronsay but only confirmed as *C. riparia* in 1979. More recently found in Durkadale, Birsay and more recently still at two sites in Sanday.



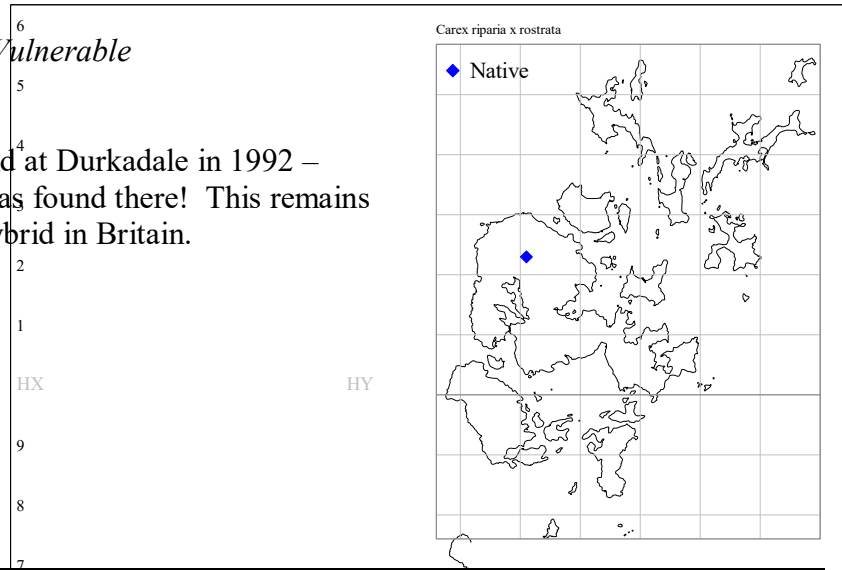
Location	Grid Ref	Date	Recorder
Birsay, Durkadale	HY310236	03 Jul 2005	BSBI/Crossley, J.E.
Sanday, nr Seater	HY721441§	19 Jul 2014	BSBI/Meek, E.R.
Sanday, Stove	HY610356	27 Jun 2012	Crossley, J.E.
Stronsay, Loch of Rothiesholm	HY621243	18 Jun 2006	Meek, E.R.

Carex x bechmanniana
(*C. riparia* x *C. rostrata*)

Hybrid Sedge

National Status: *Rare, IUCN Vulnerable*
Orkney Status: *Rare*

This hybrid between was found at Durkadale in 1992 – before the parent *C. riparia* was found there! This remains the only known site for this hybrid in Britain.



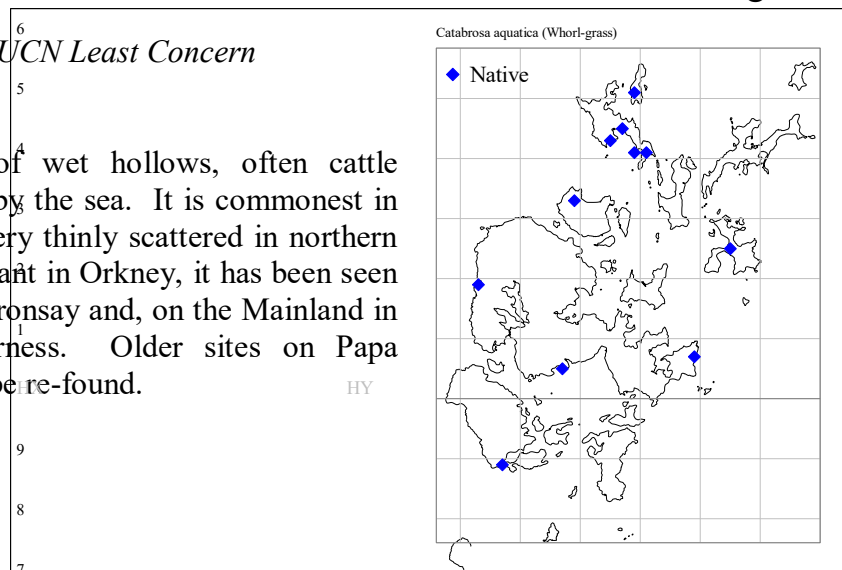
Location	Grid Ref	Date	Recorder
Birsay, Durkadale	HY310238	15 Aug 1992	Turner, C. & Thompson, B.W.

Catabrosa aquatica

Whorl-grass

National Status: *Not Scarce, IUCN Least Concern*
Orkney Status: *Scarce*

A native, perennial grass of wet hollows, often cattle poached, and wet open sand by the sea. It is commonest in southern England and only very thinly scattered in northern Scotland. Mostly a coastal plant in Orkney, it has been seen in recent years in Westray, Stronsay and, on the Mainland in Orphir, Sandwick and Deerness. Older sites on Papa Westray and Rousay need to be re-found.



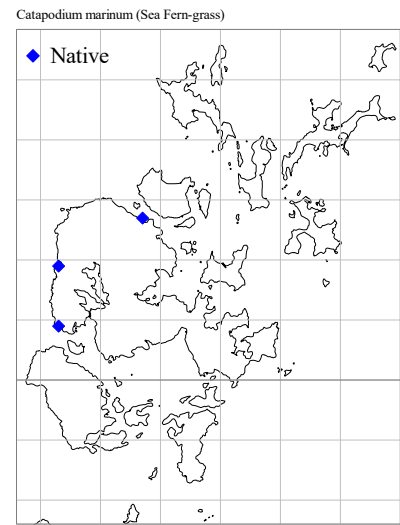
Location	Grid Ref	Date	Recorder
Deerness, Sandside Bay	HY589068	23 Jul 2004	Bullard, E.R. & Meek, E.R.
North Walls, Melberry	ND264886	30 Jun 1970	Bullard, E.R.
Orphir, Swanbister Bay to Ve Ness	HY30	22 Jun 1988	Bullard, E.R. & Walker, A.
Papa Westray, E of Loch of St Tredwell	HY498509	10 Jun 1965	Bullard, E.R.
Rousay, Wasbister	HY398334	30 Aug 1968	Bullard, E.R.
Sandwick, Skaill	HY238196	1991	Meek, E.R.
Stronsay, Bight of Matpow	HY644250	Jun 1979	Cadbury, J.
Westray, Bay of Tafts	HY498416	23 Jun 2010	Everiss, E. & Mackintosh, S.
Westray, Bay of Tuquoy, East side	HY470447	1974	Bullard, E.R.
Westray, Mae Sand	HY445428	10 Aug 2008	Orkney Field Club
Westray, Tafts Bay	HY496416	1974	Bullard, E.R.
Westray, The Links, Bay of Tafts	HY500416§	29 Jun 2013	Crossley, J.E., Meek, E.R. & Ribbands, J.B.

Catapodium marinum

Sea Fern-grass

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, annual grass that grows in bare places near the sea. It has its headquarters around the coasts of England and Wales and is very scarce in northern Scotland. In Orkney it especially favours bare areas of aeolianite (fossilised sand dunes) at Aikerness, Evie and between Warebeth and Breck Ness, Stromness.



Location	Grid Ref	Date	Recorder
Sandwick, Bay of Skail	HY2319	14 Jun 2008	Gurney, M.
Evie, Aikerness aeolianite	HY379263	03 Jul 2005	BSBI/Muscott, J.
Stromness, Warebeth aeolianite	HY235086	21 Mar 2014	Meek, E.R.
Stromness, Breckness aeolianite	HY227094	20 Feb 2010	Meek, E.R.

Centaurea cyanus

Cornflower

National Status: *Not Scarce, IUCN Least Concern, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Rare*

An archaeophyte known in Britain since the Iron Age. Once a common weed of arable crops, improved seed cleaning and use of herbicides accelerated its demise. Since the 1980s it has increased as a casual in waste places and the like, from wildflower seed. In Orkney, it was scarce even in the 19th Century and may always have been a casual (this was Magnus Spence's view in 1914). There have been only three records within the time-frame of this document, at least two of them arising from agricultural grass seed mixes.



Site	Grid Ref	Date	Recorder
Holm, Roy	ND522997	25 Sep 1971	Bullard, E.R.
South Ronaldsay, North Flaws	ND458856	31 Jul 2013	Crossley, J.E.
South Walls, nr Aithsdale	ND299893	30 Aug 2012	Meek, E.R.

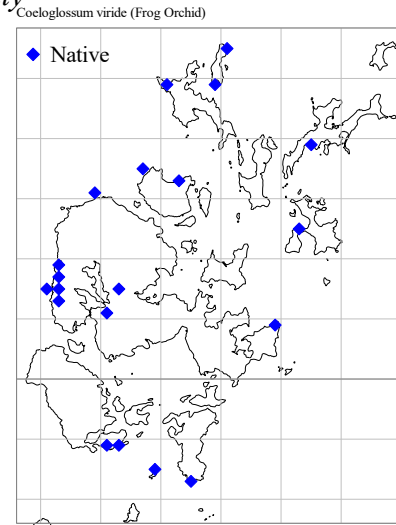
Coeloglossum viride

Frog Orchid

National Status: *Not Scarce*, IUCN *Vulnerable*, UK BAP *Priority*

Orkney Status: *Not Scarce*

A native, perennial herb found throughout Britain, which has undergone a massive decline in the face of modern agriculture. In Orkney, this species of maritime grassland/heathland and machair/links is known from the north and west coasts of the West Mainland, from Deerness, from several of the north isles and from South Ronaldsay and South Walls. There are only two inland records, from Stenness and Harray. Sites on the Outer Holm of Stromness, Copinsay and Hunda appear to have been lost.



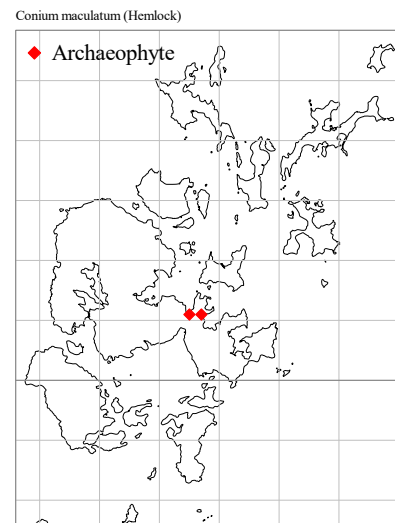
Location	Grid Ref	Date	Recorder
Birsay, Northside	HY265288	05 Jul 2009	Booth, C.J.
Birsay, Skea	HY293300	06 Jun 2010	Meek, E.R.
Deerness, nr Mull Head	HY592092	16 Jul 2000	Booth, C.J. & J.
Deerness, Clu Ber (13 sites within monad)	HY5908	2009	McCance, R.
Harray, Stenaday, Hillview, Duntoon, Howglen	HY3314	10 Jul 1997	Charter, E.
Papa Westray, North Hill	HY504556	Jul 1994	Gray, M.
Papa Westray, Links of Moclett	HY494498	08 Aug 2004	Meek, E.R.
Rousay, Brings	HY377342§	16 Aug 2012	Crossley, J.E.
Rousay, Swandale area	HY4232	07 Aug 1975	Bullard, E.R.
Sanday Cross, Kettletoft to Backaskaill	HY63P	11 Jul 1988	Bullard, E.R. & Turner, C.
Sandwick, nr The Spord	HY230219	17 Jul 2009	Booth, C.J.
Sandwick, Row Head	HY224187	16 Jul 2000	Booth, C.J. & J.
Sandwick, Borwick	HY223166	02 Jul 2000	Booth, C.J. & J.
Sandwick, Lyre Geo	HY219140§	29 Jun 2011	Booth, C.J.
Sandwick, N of Yesnaby	HY223164	28 Jun 2009	Booth, C.J.
Sandwick, Ramnageo	HY229175	29 Jul 2009	Booth, C.J.
Sandwick, Yesnaby	HY222159§	03 Jul 2005	BSBI/Youngman, R.
South Ronaldsay, Banks	ND457833§	01 Jul 2011	Crossley, J.E.
South Walls, Hill of White Hamars	ND313885§	11 Aug 2010	Everiss, E. & U3A Botanical group
South Walls, Snelsetter	ND321886	05 Jul 2009	Orkney Field Club
Stenness, flush to SW of school	HY310114	13 Sep 1997	Meek, E.R.
Stromness, nr Mousland	HY220120§	21 Jun 2011	Booth, C.J.
Stromness, nr Mousland	HY222122	29 Jul 2000	Booth, C.J. & J.
Stronsay, Blan Loch	HY6324	21 Aug 1986	Charter, E.
Swona	ND392848§	07 Aug 2010	Everiss, E. & Mackintosh, S.
Westray, near Backarass	HY406480	22 Aug 2013	Leather, D. & M.

Conium maculatum

Hemlock

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

An archaeophyte, common in damp, disturbed ground in England and Wales and in southern Scotland north to Fife; much scarcer to the north. In Orkney, all past records of this poisonous plant have been from St Ola. It was thought extinct then was rediscovered on Junction Road, Kirkwall in 1979 and was seen again in 1996.



Location	Grid Ref	Date	Recorder
St Ola, Kirkwall, Junction Rd	HY448110	03 Sep 1979	Bullard, E.R.
St Ola, Berstane Farm steading	HY468103	13 Aug 1967	Shearer, H.D.H.
St Ola, Kirkwall, Victoria Street	HY448106	1996	Charter, E.

Cornus suecica

Dwarf Cornel

National Status: *Not Scarce, IUCN Near Threatened*
 Orkney Status: *Rare*

A native, perennial herb with very few records south of the Highland boundary fault. Long known from its only Orkney site, Enegars, Hoy where it grows in some quantity on steep, densely vegetated slopes on the back wall of the corrie.



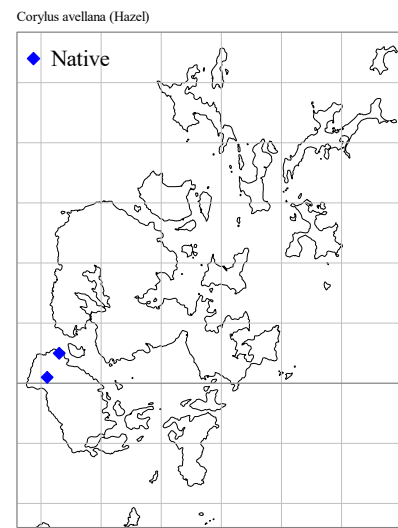
Location	Grid Ref	Date	Recorder
Hoy, Enegars	HY201038§	25 Jun 2010	Orkney Local BSBI group

Coryllus avellana

Hazel

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, deciduous shrub or small tree, found throughout Britain but with very few sites in Orkney and Shetland. Hazel was a component of the original native woodland that once covered much of Orkney. As a native, it is now reduced to just three plants on Hoy, two in the wooded valley of Berriedale and the other in the Bu gully. Other records in Rendall (Queenamidda), Rousay (Trumland) and South Walls (nr Scarton) involve recent plantings.



Location	Grid Ref	Date	Recorder
Hoy, Berriedale	HY2001	02 Jul 2005	BSBI/Muscott, J.
Hoy, Kirk Burn (Bu of Hoy)	HY233046	06 Jul 1999	Crossley, J.E.

Crambe maritima

Sea Kale

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native perennial of shingle and boulder beaches, very scarce in Scotland north of the Solway coast. In Orkney, known from only two sites. Found in 1970 at Newark Bay, South Ronaldsay where it did not persist. Then found at Honeysgeo, also South Ronaldsay, by a party of visiting naturalists in 2008, where it was still present in 2014.



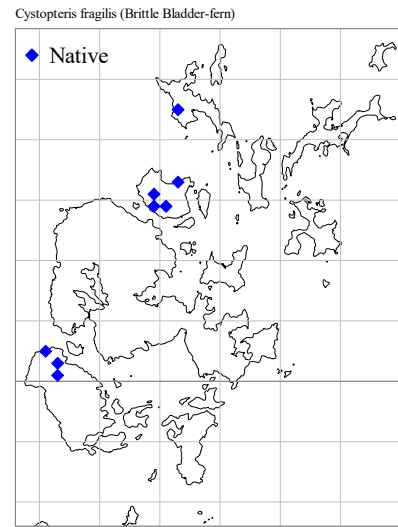
Location	Grid Ref	Date	Recorder
South Ronaldsay, Honeysgeo (burn mouth)	ND487934	29 Aug 2014	Crossley, J.E.
South Ronaldsay, Newark Bay	ND463898	Aug 1970	Booth, C.J. & J.

Cystopteris fragilis

Brittle Bladder-fern

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

This small, native fern of damp, shaded rock crevices is a species of western and northern Britain. In Orkney it is found only on Hoy, Rousay and Westray. On Hoy it is found on the crags of the Ward Hill and Cuilags but also, more unusually, on the more acidic rock of the Dwarfie Hamars.



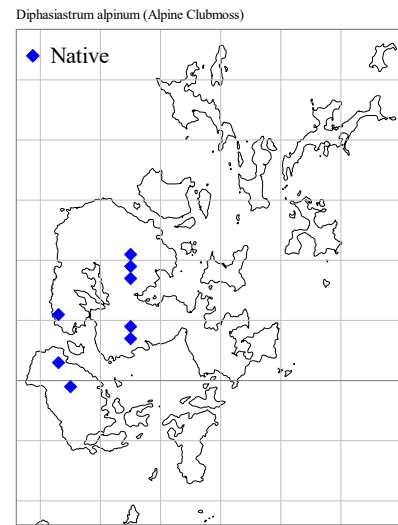
Location	Grid Ref	Date	Recorder
Hoy, Dwarfie Hamars	HY2400	11 Aug 2009	Crossley J.E., Ribbands, J.B., Everiss, E., & McCance, R.
Hoy, Quoyawa	HY235020	Jun 1979	Bullard, E.R.
Hoy, Lounders Fea	HY2004	25 Jun 2010	Orkney Local BSBI group
Rousay, N side of Blotchnie Fiold	HY4129	1990	Tickner, M.
Rousay, E side Ward Hill	HY3830	17 Jul 1991	Meek, E.R.
Rousay, Kierfea	HY4232	04 Oct 1991	Meek, E.R.
Rousay, High Brae of Camps – Blotchnie Fiold	HY4128	18 May 2005	Meek, E.R.
Rousay, Westness & Ward Hill	HY32Z	01 Jul 1992	Bullard, E.R. & Meek, E.R.
Westray, Fitty Hill	HY430454	09 Jul 1996	Meek, E.R.
Westray, NW Fitty Hill area	HY4245	Aug 2004	Leather, M.

Diphasiastrum alpinum

Alpine Clubmoss

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, evergreen herb of upland areas in western and northern Britain. In Orkney it is known only from four sites in the West Mainland and two on Hoy.



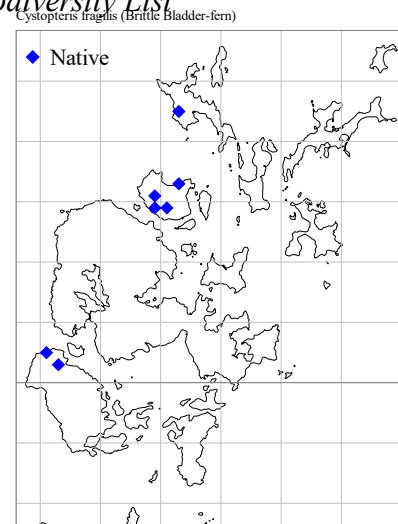
Location	Grid Ref	Date	Recorder
Firth, Little Eska Dale	HY357163§	23 Mar 2003	Everiss, E.
Hoy, Ward Hill	HY231025	1993	Prescott, T.
Hoy, Knap of Trowieglen	ND244986§	05 May 2003	Everiss, E.
Orphir, Akla	HY341079§	19 Apr 2008	Meek, E.R.
Rendall, Dale of Cottascarth	HY356200	21 Mar 2003	Everiss, E. & McCance, R.
Stromness, nr Reservoir	HY238100§	30 Apr 2010	Meek, E.R.

Draba incana

Hoary Whitlowgrass

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*
 Orkney Status: *Scarce*

A native, biennial or perennial herb with its British distribution concentrated in the north Pennines, the central Highlands and the far north and west of Scotland. In Orkney, known only from a small number of calcareous rock outcrops in Hoy, the West Mainland, Rousay and Westray. The Digro (Rousay) and Fitty Hill (Westray) sites date from the 1970s and require checking.



Location	Grid Ref	Date	Recorder
Evie, Hill of Dwarmo (N crag)	HY390251§	15 Jul 1990	Meek, E.R.
Evie, Hill of Dwarmo (S crag)	HY392249§	03 Jul 2005	Meek, E.R.
Hoy, Dwarfie Hamars	HY246002§	11 Aug 2009	Crossley, J.E., Ribbands, J. B., Everiss, E., & McCance, R.
Hoy, Ward Hill, Quoyawa,	HY236021	14 Jul 1992	Meek, E.R.
Rousay, rock outcrop below Digro	HY429320	17 Aug 1975	Bullard, E.R.
Rousay, Ward Hill	HY383298§	28 Jun 2011	Crossley, J.E.
Westray, Fitty Hill	HY430456	11 Sep 1972	Bullard, E.R.

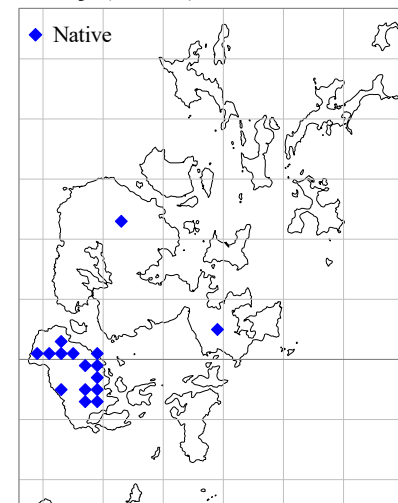
Drosera anglica

Great Sundew

National Status: *Not Scarce*, IUCN *Near Threatened*
 Orkney Status: *Not scarce*

An insectivorous, perennial herb with its distribution concentrated in Scotland north and west from the central Highlands. In Orkney it occurs commonly on blanket bog in Hoy with concentrations around the fringes of the Ward Hill and Cuilags; in the valleys of the Lyrawa and Pegal Burns; in the valleys of the Mill and Ore Burns; and with a recently recorded site in the Burn of Forse. It is strangely rare on the Mainland with sites known only in Birsay and St Andrews.

Drosera anglica (Great Sundew)



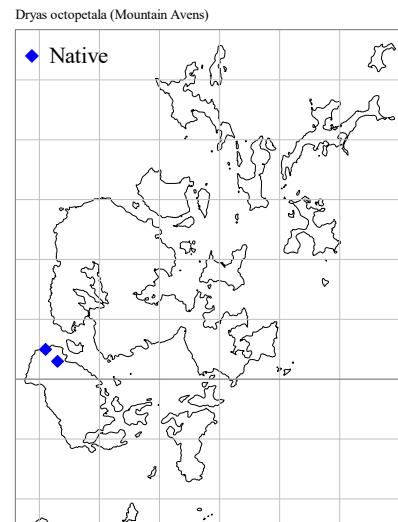
Location	Grid Ref	Date	Recorder
Birsay, Burn of Lushan valley	HY3323 or HY3423	20 Aug 1991	Meek, E.R.
St Andrews, White Moss	HY486059	25 Jul 2003	Shearer, H.D.H.
Hoy, Berriedale	HY2001	02 Jul 2005	BSBI/Muscott, J.
Hoy, Braebuster	HY2203	11 Aug 2005	Meek, E.R.
Hoy, Dwarfie Hamars	HY2400	11 Aug 2009	Crossley, J.E., Ribbands, J.B., Everiss, E. & McCance, R.
Hoy, Lyrawa Hill	HY281005	28 Jun 1995	Crossley, J.E.
Hoy, Nowt Bield	HY235010	01 Sep 2002	Meek, E.R.
North Walls, Burn of Ore	ND271935§	07 Aug 2005	Everiss, E.
Hoy, hill E of Loch of Grut Fea	HY190014	1990	NCC Peatland Survey
North Walls, Burn of Forse	ND29H	11 Jun 2014	Crossley, J.E.
North Walls, Burn of Ore (Black Pows)	ND263939	15 Aug 2004	Meek, E.R.
North Walls, Burn of Ore (Burn of Longigill)	ND2893	07 Jun 2014	Everiss, E, Crossley, J.E. & Harris, M.
North Walls, lower reaches of Mill Burn	ND2995	03 Jul 2009	Meek, E.R.
North Walls, Lyrawa Burn & Plantation	ND29U	20 Jul 2014	BSBI/Meek, E.R.
North Walls, Lyrawa Hill & Lyrawa Bay	ND29Z	20 Jul 2014	BSBI/Meek, E.R.
North Walls, near Water of Hoy	HY281002	06 Jul 1996	O'Connor, R.
North Walls, Tongue Vale	ND29S	28 Jul 2005	Meek, E.R.
North Walls, Wee Fea	ND29X	28 Jul 2005	Meek, E.R.
North Walls, Pegal monad	ND2997	20 Jul 2014	BSBI/Crossley, J.E.

Dryas octopetala

Mountain Avens

National Status: *Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, dwarf, creeping shrub mainly found on base-rich ledges on hills and mountains north of the Highland boundary fault. In Orkney it is confined to calcareous rocks on Hoy where it appears to be declining. Currently known only from Glen of the Horn on the north-east face of Ward Hill where the small number of plants are in precarious localities and perhaps vulnerable to erosion. Fairly recent records from Quoyawa and from Lounders Fea have not been relocated.



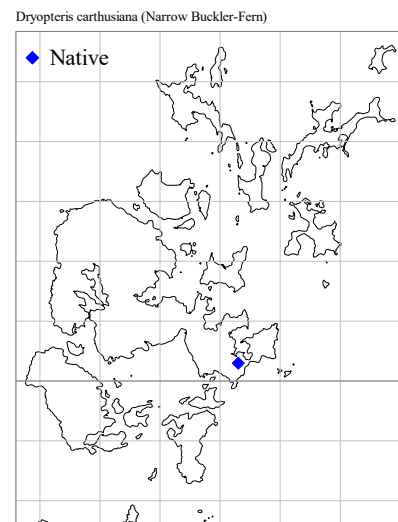
Location	Grid Ref	Date	Recorder
Hoy, Quoyawa	HY236020	Jun 1979	Bullard, E.R.
Hoy, Quoyawa	HY235020	Jun 1979	Bullard, E.R.
Hoy, Quoyawa,	HY230021	1989	Bullard, E.R.
Hoy, above Sandy Loch	HY224030	03 Jun 1992	Prescott, T.
Hoy, Glen of the Horn, Ward Hill	HY230030	03 Jun 1992	Prescott, T.
Hoy, Lounders Fea	HY208043	17 Jun 2000	Shearer, H.D.H.

Dryopteris carthusiana

Narrow Buckler-fern

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, deciduous fern, found in a variety of damp habitats, is well distributed over much of the British Isles, but in Scotland is scarce north of the Great Glen. Although occasionally suspected in the past, Orkney's first confirmed record was made as recently as 2014.



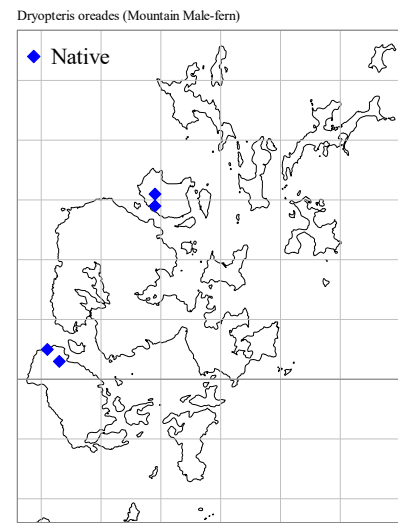
Location	Grid Ref	Date	Recorder
Holm, near Newhouse (Ocklester moss)	HY523025§	07 Aug 2014	Crossley, J.E.

Dryopteris oreades

Mountain Male-fern

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A deciduous fern found in rocky terrain in northern and western Britain. In Orkney, it is known only from Rousay and Hoy. On Rousay, its station is on the north-east side of the Ward Hill. On Hoy, it was known only from the Ward Hill area until 2010 when it was also discovered on Lounders Fea on the north flank of the Cuilags.



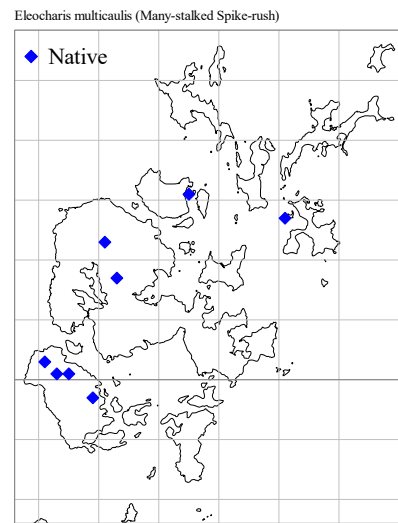
Location	Grid Ref	Date	Recorder
Hoy, Lounders Fea	HY208042§	26 Jun 2010	Meek, E.R.
Hoy, Ward Hill, Quoyawa	HY234020	23 Jul 1974	Bullard, E.R.
Rousay, Ward Hill	HY384299	30 Aug 2000	Jermy, A.C.
Rousay, shore of Muckle Water	HY386304§	25 Aug 2009	Crossley, J.E. & Ribbands, J.B.

Eleocharis multicaulis

Many-stemmed Spike-rush

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of very wet, acidic habitats, with a distinctly western distribution in Britain. In Orkney, in relatively recent years, this inconspicuous species has been found at only two sites on Hoy and two in the West Mainland. There are records for the Holm of Scockness in 1969 and Linga Holm in 1974 that need to be re-found.



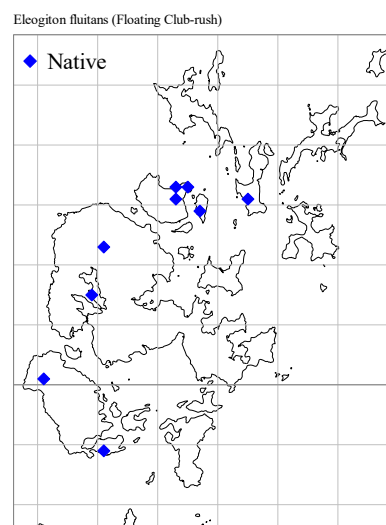
Location	Grid Ref	Date	Recorder
Birsay, Glims Moss	HY32B	03 Jul 2005	BSBI/Crossley, J.E.
Harray, NE side Firth/Birsay road	HY3316	30 Jul 2005	Meek, E.R.
Hoy, foot of Red Glen by track	HY213023	30 Aug 2000	Thompson, B.
Hoy, Nowt Bield	HY2301	17 Sep 1969	Bullard, E.R.
Hoy, Whaness Burn S of White Glen plantation	HY245014§	20 Jul 2011	Crossley, J.E.
Hoy, White Glen	HY246004§	11 Aug 2009	Crossley, J.E., Ribbands, J.B., Everiss, E. & McCance, R.
North Walls, Pegal Bay	ND296977§	20 Jul 2014	BSBI/Crossley, J.E.
Rousay, Holm of Scockness (centroid)	HY456314	20 Jul 1969	Bullard, E.R.
Stronsay, Linga Holm	HY6127	11 Sep 1974	Bullard, E.R.

Eleogiton fluitans

Floating Spike-rush

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

An inconspicuous native perennial, usually found floating in acidic pools and with a mainly western distribution in Britain. In Orkney, known only from a small number of sites, scattered throughout the islands, as shown in the table. The best known and most accessible site is the famous toad and dragonfly pool just north of the fork in the road at Rackwick.



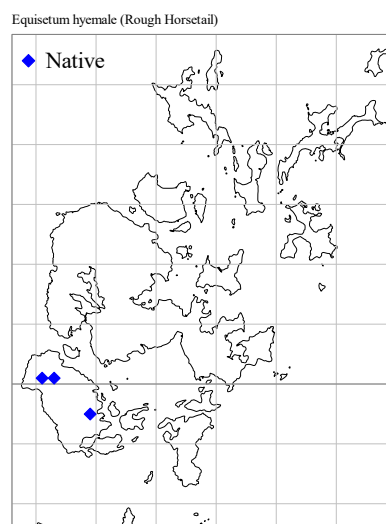
Location	Grid Ref	Date	Recorder
Birsay, Glims Moss	HY309229§	11 Aug 2011	Crossley, J.E. & Meek, E.R.
Eday, Flaughton Hill	HY5531	13 Jun 1991	Bullard, E.R.
Egilsay, nr Warsett	HY469293	17 Aug 1994	Charter, E.
Egilsay, nr Whitelett	HY473286	17 Aug 1994	Charter, E.
Hoy, Berriedale, by footpath	HY204009§	02 Oct 2011	Meek, E.R.
Hoy, Rackwick	HY202000	01 Jul 2006	Meek, E.R.
Rousay, Faraclett	HY439328	08 Oct 1993	Charter, E. & Lea, D.
Rousay, Faraclett Head	HY4433	18 Jul 2012	Crossley, J.E.
Rousay, Loch of Quoys	HY437305	Jun 1992	Charter, E.
Sandwick, Buckan (S of)	HY285142§	20 Aug 2002	Stewart, N.F. & Everiss, E.
South Walls, Hill of White Hamars	ND313885	19 Jul 1991	Jones, M.

Equisetum hyemale

Rough Horsetail

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

This native, evergreen herb of varied, damp habitats has its main centre of distribution in northern England. In Orkney it is found in only three sites, all moorland flushes, on Hoy. The Mill Burn site was the first to be found in 1940 and there is a suspicion that it may have been an introduction. However, the sites near Berriedale and in the Nowt Bield appear to be native.



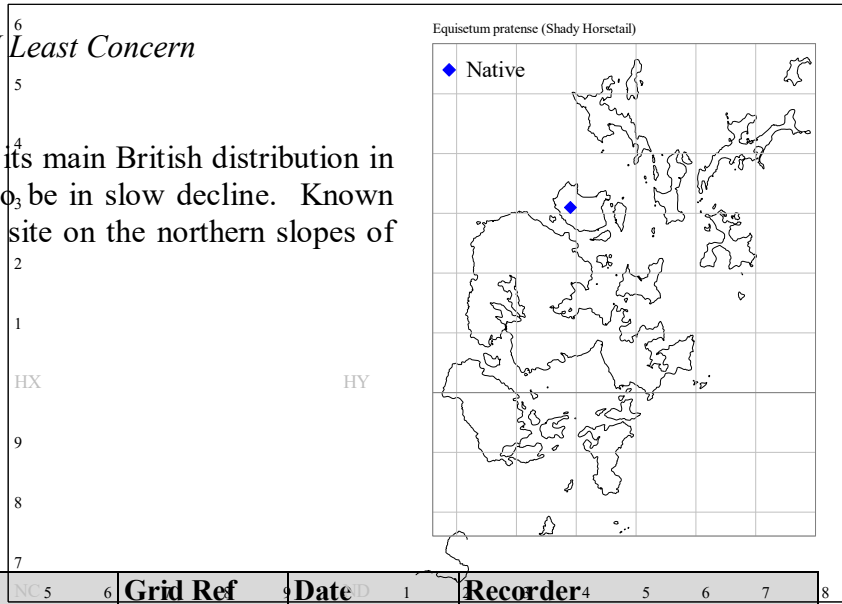
Location	Grid Ref	Date	Recorder
Hoy, Nowt Bield (E side of burn)	HY234007§; HY234009§	24 Jul 2011	Meek, E.R.
Hoy, Rackwick Burn, nr Berriedale	HY204009§	20 Jul 2011	Crossley, J.E.
Hoy, Rackwick Burn, nr Berriedale	HY205015§	03 Oct 2010	Meek, E.R.
North Walls, Mill Burn Hatchery	ND297953§	08 Aug 2005	Everiss, E.

Equisetum pratense

Shady Horsetail

National Status: *Scarce*, IUCN *Least Concern*
 Orkney Status: *Rare*

A native, evergreen herb with its main British distribution in Scotland where it is thought to be in slow decline. Known since 1921 at its only Orkney site on the northern slopes of Rousay's Ward Hill.



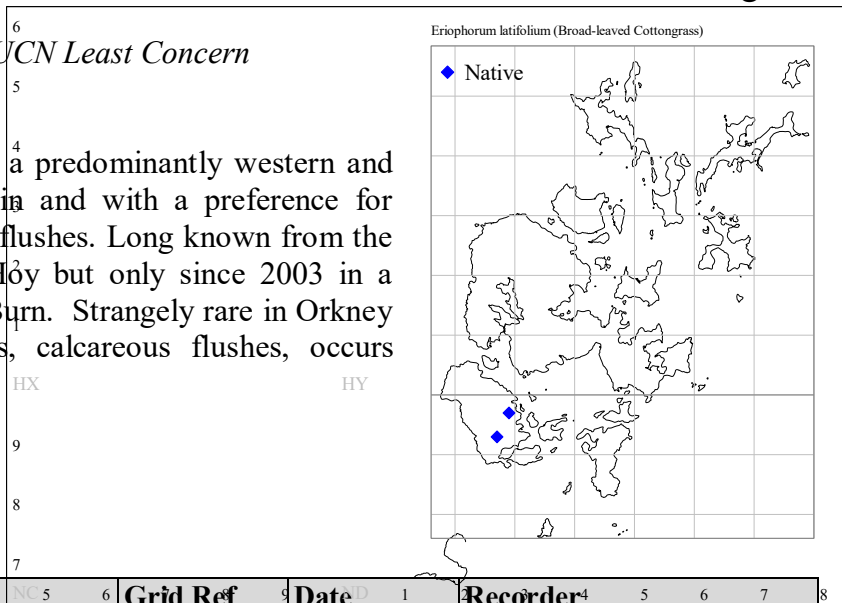
Location	Grid Ref	Date	Recorder
Rousay, Ward Hill above Muckle Water	HY385304	1987	Meek, E.R.

Eriophorum latifolium

Broad-leaved Cottongrass

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Rare*

A native, perennial herb with a predominantly western and northern distribution in Britain and with a preference for base-rich fens and calcareous flushes. Long known from the valley of the Burn of Ore, Hoy but only since 2003 in a second Hoy station, the Mill Burn. Strangely rare in Orkney as one of its prime habitats, calcareous flushes, occurs frequently in the islands.



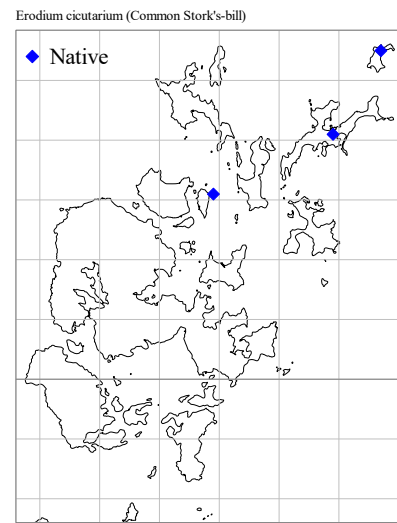
Location	Grid Ref	Date	Recorder
North Walls, Burn of Ore	ND271935§	07 Aug 2005	Everiss, E.
North Walls, Burn of Ore	ND273935§	15 Aug 2004	Meek, E.R.
North Walls, Burn of Ore	ND270935§	24 Jul 2003	Everiss, E.
North Walls, Mill Burn	ND289961§	27 Jul 2003	Everiss, E. & Gauld, S.

Erodium cicutarium

Common Stork's-bill

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native annual of well-drained sandy ground found almost throughout England but with a chiefly coastal distribution in Scotland. In Orkney it is now confined to Egilsay, Sanday and, especially, North Ronaldsay, but apparently declining even in the latter.



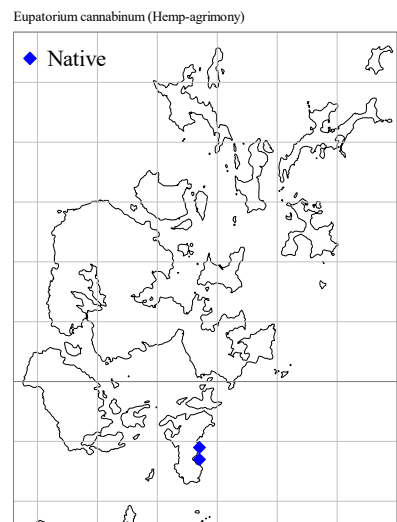
Location	Grid Ref	Date	Recorder
Egilsay, Maeness	HY480308	18 May 1996	Charter, E.
North Ronaldsay, Ancumtoun	HY764553	15 Oct 1994	Meek, E.R.
North Ronaldsay, shore of Linklet Bay	HY767543	1980	Bullard, E.R.
Sanday, Measer	HY695400§	22 Jun 2009	Crossley, J.E.

Eupatorium cannabinum

Hemp-agrimony

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A perennial herb, very scarce north of the Great Glen. In Orkney known from a site on sea cliffs on the east coast of South Ronaldsay where it was first found in 1963 and where it appears to be increasing and to have established two new colonies.



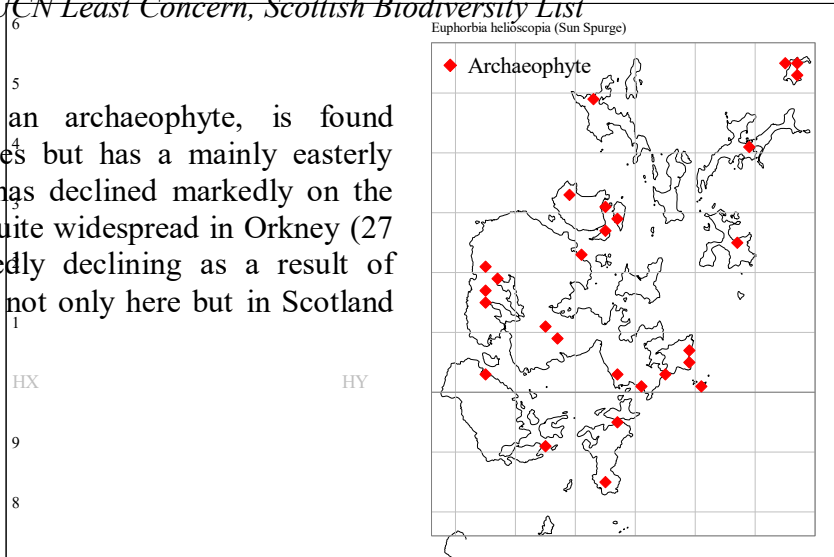
Location	Grid Ref	Date	Recorder
South Ronaldsay, Common of Kirk, old quarry	ND465883§	17 Jul 2013	Crossley, J.E.
South Ronaldsay, S of Hellie	ND465884	1999	Thomson, Mrs
South Ronaldsay, near Hesta Head	ND464874§	17 Jul 2013	Crossley, J.E.

Euphorbia helioscopia

Sun Spurge

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*
 Orkney Status: *Not Scarce*

This annual arable weed, an archaeophyte, is found throughout England and Wales but has a mainly easterly distribution in Scotland and has declined markedly on the edges of its range. It is still quite widespread in Orkney (27 recent sites) but is undoubtedly declining as a result of modern agricultural practices, not only here but in Scotland as a whole.



Location	Grid Ref	Date	Recorder
Burray, Waston Road	ND470957	21 Sep 2014	Crossley, J.E.
Copinsay, east side	HY6001	07 Jun 2003	Crossley, J.E.
Deerness, nr Cutpool	HY586058§	13 Aug 2004	Crossley, J.E.
Deerness, nr Skaill	HY585061§	13 Aug 2004	Crossley, J.E.
Deerness, Stonehall	HY553038	31 Aug 2001	Crossley, J.E.
Egilsay, Onziebust	HY467283	10 Aug 2004	Crossley, J.E.
Evie, nr Tingwall	HY402226	16 Aug 2004	Crossley, J.E.
Evie, Quoyblackie	HY404230	16 Aug 2004	Crossley, J.E.
Holm, Bay of Sandoyne – Westerbister	HY4602	05 Jul 2013	Crossley, J.E.
Holm, Easter Park	HY506011	Aug 1997	Charter, E.
Hoy, Linksness	HY242039	05 Aug 2008	Meek, E.R.
Sanday, Lady village – Colligarth	HY6841	15 Aug 2014	Crossley, J.E.
North Ronaldsay, Ancum	HY75S	22 Sep 2005	Meek, E.R.
North Ronaldsay, Hooking	HY75R	01 Oct 2013	Meek, E.R.
North Ronaldsay, Linklet	HY759540	1994	Gray, M.
Orphir, Skelbister	HY365088§	22 Aug 2004	Crossley, J.E.
Rousay, Hurtiso	HY442313	Jul 1997	Charter, E.
Rousay, Loch of Wasbister area	HY3933	04 Jul 2005	BSBI/Muscott, J.
Sandwick, Bain	HY253205; HY253203; HY253206	16 Aug 2011	Meek, E.R.
Sandwick, Hackland, Dounby	HY276195	29 Jul 1991	Charter, E.
Sandwick, Strathborg	HY21N	25 Aug 2008	Meek, E.R.
Sandwick, Voy	HY259153	21 Sep 2009	Meek, E.R.
South Ronaldsay, North Flaws	ND455858	27 Jul 2010	Crossley, J.E.
South Walls, Crowtaing – Hackness	ND3490	18 Jul 1996	Crossley, J.E.
Stenness, Germiston	HY342114	Sep 2006	Bremner, A.
Stronsay, Everbay	HY673246	23 Jul 2013	Crossley, J.E. & Macleod, M.
Westray, Pierowall garden	HY437481	12 Sep 1991	Charter, E.
Wyre, all island	HY42	06 Aug 2005	Orkney Field Club

Euphrasias

Eyebrights

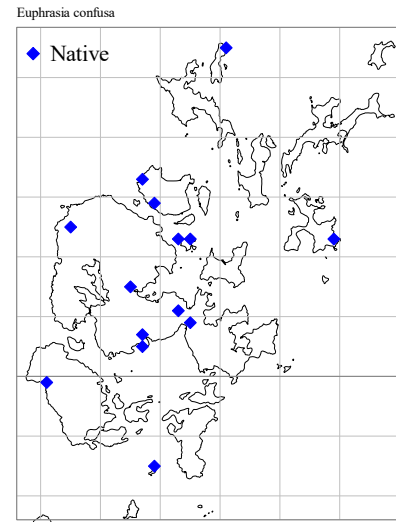
Euphrasias are a group of partially parasitic, native annuals. They exhibit great variability and hybridise freely with one another. They are therefore very difficult to identify and, for this reason, many of them are considered to have a status of ‘Data Deficient’ until more information becomes available. Orkney is well-known for the variety of *Euphrasia* species that have been recorded.

Euphrasia confusa

Confused Eyebright

National Status: *Not Scarce, IUCN Data Deficient*
 Orkney Status: *Not Scarce / Data Deficient*

E. confusa is characteristic of hill pastures in northern and western Britain. Extensive hybridisation makes identification difficult and records made without expert verification must be treated with caution. Conversely, a reluctance to identify this species with certainty may mean that it is under-recorded.



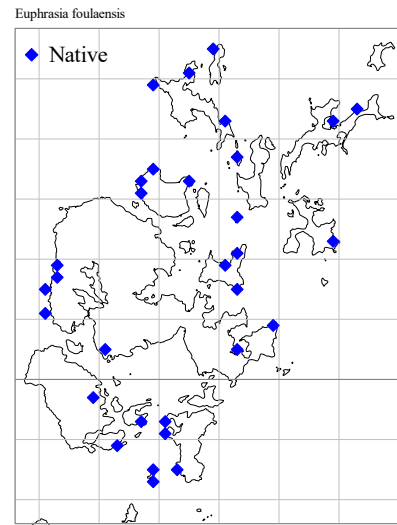
Location	Grid Ref	Date	Recorder
Birsay, The Loons	HY22M	1991	Prosser, M. & Wallace, H.
Firth, Cuffie Hill	HY356150	21 Aug 2003	Bullard, E.R. & Meek, E.R.
Gairsay	HY4422	14 Jul 2012	Meek, E.R.
Gairsay (NW)	HY4322	08 Aug 2013	Meek, E.R.
Hoy, Rackwick	ND2099	17 Aug 1992	BSBI/Dupree, D.
Orphir, Dyke End	HY373055	20 Jul 2003	Bullard, E.R.
Orphir, Waulkmill Bay	HY3706	07 Jul 2012	Meek, E.R.
Papa Westray, North Hill (centroid)	HY501549	1991	Prosser, M. & Wallace, H.
Rousay, Quendal	HY33R	09 Aug 2012	Crossley, J.E.
Rousay, track from Westness to Peerie Water	HY32Z	14 Aug 1992	BSBI/Muscott, J.
St Ola, nr Crantit	HY440094	18 Jul 2003	Bullard, E.R.
St Ola, Sunnybank	HY429117	Aug 1963	Anon
Stronsay, 1 km SW of Burgh Head	HY691224	23 Jul 2013	Crossley, J.E. & Macleod, M.
Swona	ND38X	22 Sep 1963	Bullard, E.R.

Euphrasia foulaensis

Foula Eyebright

National Status: *Scarce, IUCN Data Deficient*
 Orkney Status: *Not Scarce*

E. foulaensis is chiefly a plant of damp, open turf on coastal cliff-tops in Shetland, Orkney, the Western Isles and the north coasts of Caithness and Sutherland. It is widespread in such situations in Orkney as the number of records tabulated below confirms. Some of its colonies are very large, for example, the one near Neblonga, north of Black Craig, Stromness probably numbers into the tens of thousands of plants.



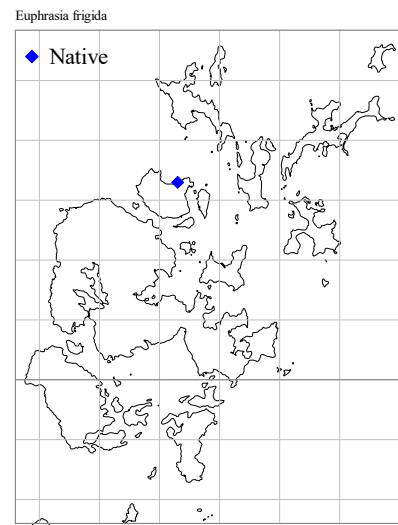
Location	Grid Ref	Date	Recorder
Deerness, nr the Gloup	HY595085	18 Aug 1992	BSBI Field Meeting
Flotta, Kirk Bay	ND371935§	22 Aug 2012	Meek, E.R.
Muckle Green Holm	HY527276	05 Aug 1971	Bullard, E.R.
North Fara	HY53I	06 Sep 1964	Bullard, E.R.
North Walls, Pegal Bay	ND296977§	20 Jul 2014	BSBI/Crossley, J.E.
Orphir, N of Sinclair's Cott	HY302045	28 Jul 2010	Meek, E.R.
Papa Westray, nr Mull Head	HY499557	22 Aug 2004	Meek, E.R.
Rousay, Faraclett Head	HY4433	18 Jul 2012	Crossley, J.E.
Rousay, Quendal	HY33R	18 Jul 2012	Crossley, J.E.
Rousay, Scabra Head	HY33Q	17 Aug 2010	Crossley, J.E.
Rousay, Skatequoy	HY3934	19 Aug 2010	Crossley, J.E.
Sanday, Colli Ness	HY684425	15 Aug 2014	Crossley, J.E.
Sanday, Westayre Loch (north)	HY724442§	19 Jul 2014	BSBI/Meek, E.R.
Sandwick, Hill of Borwick	HY2218	Aug 1963	Graham, G.G.
Sandwick, Hill of Borwick	HY222165	12 Jul 1991	Shearer, H.D.H.
Sandwick, Yesnaby, Brough of Bigging	HY218157	29 Jul 2010	BSBI/Crossley, J.E.
Shapinsay, Holm of Burghlee	HY535158§	21 Jul 2009	Crossley, J.E.
Shapinsay, nr N shore	HY52F	30 Jul 1966	Bullard, E.R.
Shapinsay, The Ouse	HY506188	23 Aug 1975	Bullard, E.R.
South Ronaldsay, Creara Head	ND431850§	25 Jul 2014	Crossley, J.E.
South Ronaldsay, Herston	ND413912	30 Aug 1966	Bullard, E.R.
South Ronaldsay, Hoxa, Cliffs	ND49B	19 Aug 2012	Meek, E.R.
South Walls, nr Helliack	ND327887	30 Aug 2012	Meek, E.R.
St Andrews saltmarsh	HY526040§	30 Jul 2011	Orkney BSBI (Crossley, J.E., Meek, E.R., Upton, A. & Branscombe, J.)
Stromness, nr Neblonga	HY219115	03 Aug 2011	Meek, E.R.
Stronsay, Cleat	HY694220	22 Jul 1971	Bullard, E.R.
Stronsay, Geo of Gessan	HY693223§	11 Jul 2012	Meek, E.R.
Swona	ND38X	08 Aug 2010	Crossley, J.E. & Meek, E.R.
Swona, between Tail of the Tarf and Clett	ND384837	21 Jul 1966	Bullard, E.R.
Swona, South Clett	ND389839	21 Jul 1966	Bullard, E.R.
Westray, Castle o' Burrian	HY504429	30 Aug 2013	Meek, E.R.
Westray, Noup	HY34Z	29 Jun 2013	Meek, E.R.
Westray, saltmarsh near Craig Loch	HY446516	1961	Bullard, E.R.

Euphrasia frigida

Upland Eyebright

National Status: *Not Scarce, IUCN Data Deficient*
 Orkney Status: *Rare*

Unknown as an Orkney species until recent investigations into the Genus *Euphrasia* unearthed a specimen in the herbarium of Cambridge University. The site needs revisiting to see whether the species still occurs



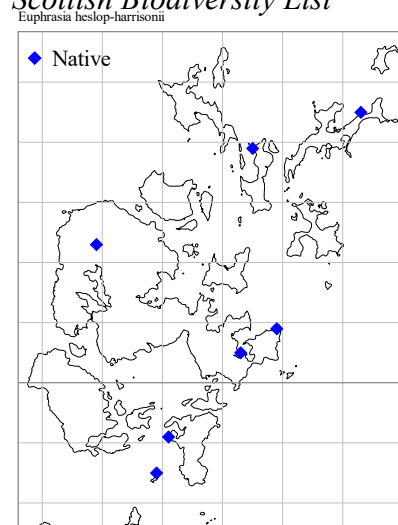
Location	Grid Ref	Date	Recorder
Rousay, Kierfea Hill, north side	HY4232	18 Aug 1963	Perring, F.R.

Euphrasia heslop-harrisonii

Heslop-Harrison's Eyebright

National Status: *Rare, IUCN Data Deficient, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Scarce*

A native, endemic, annual *Euphrasia* microspecies that is especially difficult to identify and known only from a few scattered sites in western Scotland, Orkney and Shetland. In Orkney it has been reliably recorded on cliff tops on Eday, Deerness, Swona and South Ronaldsay (Herston Head), but recent records have come from saltmarshes in Sanday and St Andrews. The 1963 Loch of Sabiston record, though expertly confirmed, is in a most unusual locality and needs to be looked for again.



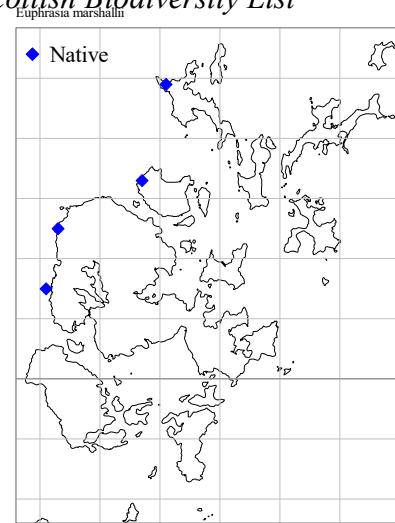
Location	Grid Ref	Date	Recorder
Birsay, Loch of Sabiston	HY2922	15 Aug 1963	Perring, F.R.
Deerness, Brough of Deerness	HY594086	21 Jul 2014	Metherell, C. & Rumsey, F.
Eday, probably cliff top N of island	HY53	25 Jul 1965	Bullard, E.R.
Sanday, Westayre Loch (N)	HY724442§	19 Jul 2014	BSBI/Meek, E.R.
Sanday, Langamay	HY749445§	24 Jul 2014	Crossley, J.E.
South Ronaldsay, Herston	ND412911	Jul 1996	Rae, D.
St Andrews, Bay of Suckquoy	HY526040	30 Jul 2011	Crossley, J.E. & Meek, E.R.
Swona	ND392847	08 Aug 2010	Crossley, J.E. & Meek, E.R.

Euphrasia marshallii

Marshall's Eyebright

National Status: *Rare, IUCN Endangered, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Scarce*

A native, endemic annual, known nationally only from a very few sites in the far north and west of Scotland. In its pure form it is a very distinctive plant but, like other eyebrights it hybridises frequently, thus causing identification problems. The classic Orkney site is on the Brough of Bigging, just south of Yesnaby, Sandwick and it is also known from Marwick Head (Birsay), Rousay and Westray, but plants approaching *E. marshallii* are found in a number of other west coast localities.



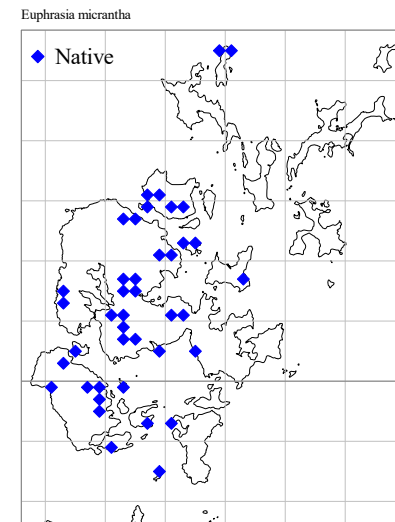
Location	Grid Ref	Date	Recorder ⁴
Birsay, Marwick Head	HY225244§	Aug 2011	Metherell, C.
Rousay, Quendal, near burnt mound	HY363321§	26 Jul 2012	Crossley, J. E. & Loizou, T.
Sandwick, Yesnaby, Brough of Bigging	HY215156§	18 Jul 2014	Metherell, C. & Rumsey, F.
Westray, North Hill	HY406489	2002	Woodall, R.

Euphrasia micrantha

Slender Eyebright

National Status: *Not Scarce, IUCN Data Deficient*
 Orkney Status: *Not Scarce / Data Deficient*

A widespread species of acid heathland in northern and western Britain but classed as 'Data Deficient' and therefore included here. In Orkney, it appears to be quite common, especially on tracks leading to peat workings in the hills, though in many cases there must be some doubt as to its identity due to frequent hybridisation with *E. scotica*. Because of the number of records these are mapped rather than listed.



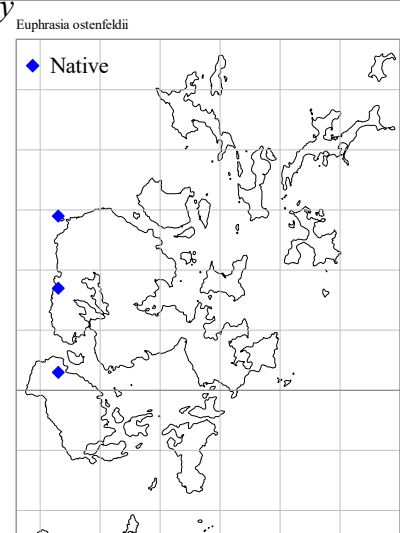
Euphrasia ostenfeldii

Ostenfeld's Eyebright

National Status: *Scarce, IUCN Data Deficient, UK BAP Priority*

Orkney Status: *Rare / Data Deficient*

Yet another difficult-to-identify, native, annual *Euphrasia* microspecies with a strange disjunct British distribution from north-west Scotland south to central Wales. Confirmed in Orkney only from the Hill of Borwick, to the north of Yesnaby, Sandwick; from Hoy; and from the Brough of Birsay. However, specimens resembling this species have been found elsewhere. In Shetland, the difficulties encountered in separating *E. marshallii*, *E. ostenfeldii* and *E. rotundifolia* have resulted in the three taxa being treated as a species group in 'Rare Plants of Shetland'.



Location	Grid Ref	Date	Recorder
Birsay, Brough of Birsay	HY2328	18 Aug 1992	Silverside, A.J. & Jackson, E.H.
Hoy, above Sandy Loch	HY224030	2002	Woodall, R.
Sandwick, Hill of Borwick	HY222165	12 Jul 1991	Shearer, H.D.H.

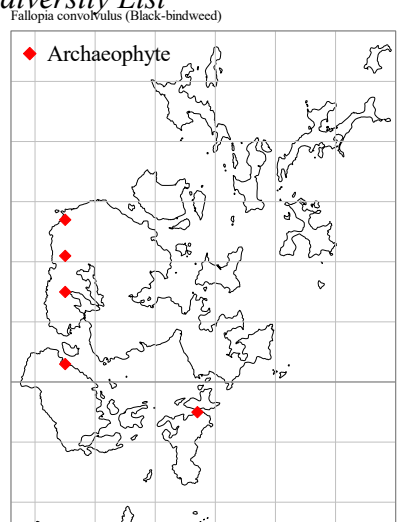
Fallopia convolvulus

Black Bindweed

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*

Orkney Status: *Scarce*

An archaeophyte that, as an arable weed, has been in Britain since the Neolithic. In Scotland it is widespread in the east of the country but is scarce north of the Black Isle. In Orkney, like others of its kind, it has decreased markedly as a result of modern agricultural practice and in recent years has been seen only in Hoy, Burray, Birsay and Sandwick.



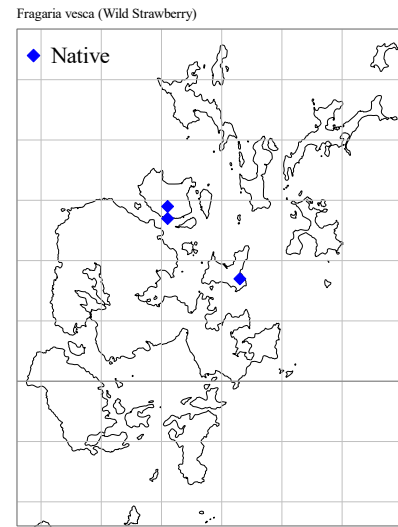
Location	Grid Ref	Date	Recorder
Birsay, Mount Misery	HY251271	12 Sep 2002	Meek, E.R.
Burray, Sutherland Links	ND475957	29 Jul 2013	Crossley, J.E.
Hoy, Ley House	HY242035	24 Jun 1999	Ribbands, J.B.
Sandwick, Bain	HY253205	17 Aug 2003	Crossley, J.E. & Meek, E.R.
Sandwick, Voy	HY259153	21 Sep 2009	Meek, E.R.

Fragaria vesca

Wild Strawberry

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of roadside banks and other dry places, found throughout Britain but very rare in the Western Isles and Orkney and not found in Shetland. In Orkney, now known only from Shapinsay and two sites on Rousay; the Blackhammar site was checked in 2011 and the plant not re-found. Apparently more frequent in the past and appears to be continuing to decline.



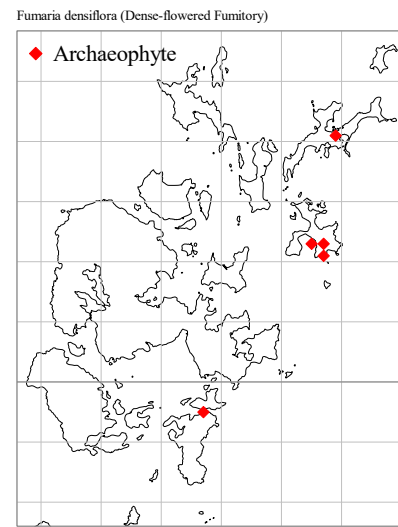
Location	Grid Ref	Date	Recorder
Rousay, N side Blotchnie Fiold	HY4129	1990	Tickner, M.
Rousay, Blackhammar Cairn, roadside ditch	HY413276	28 May 1997	Meek, E.R.
Shapinsay, East Hill	HY528171§	21 Jul 2009	Meason, K.

Fumaria densiflora

Dense-flowered Fumitory

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

An annual archaeophyte of arable land with the centre of its distribution on the chalk of south-eastern England and in north Northumberland, the Lothians and Fife. In Orkney, it was confined to Sanday and Stronsay until found in Burray in 2014. Like all fumitories, its greatest (and most visible) abundance is dependent on the cultivation of root crops; its seed appears to be able to lie dormant for long periods, the plant reappearing as soon as cultivation occurs.



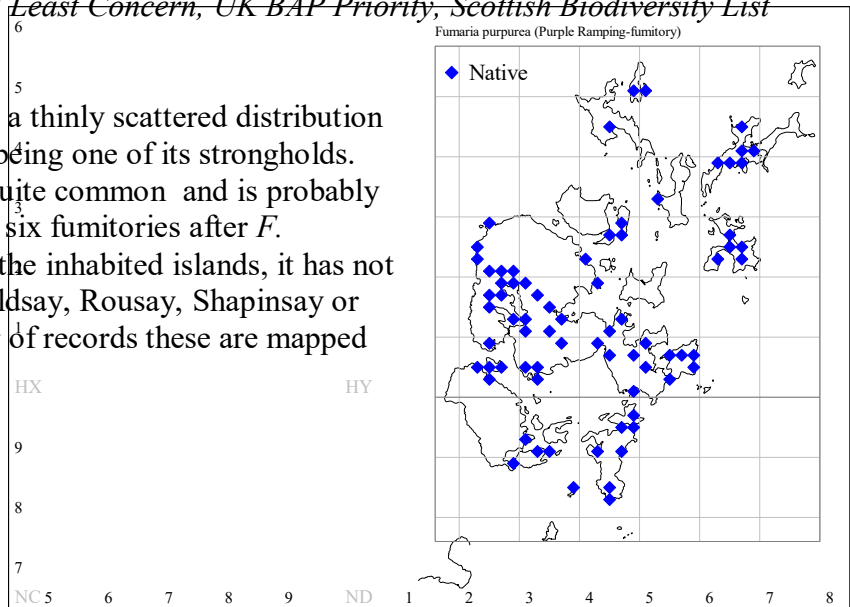
Location	Grid Ref	Date	Recorder
Burray, Waston Road	ND470957§	21 Sep 2014	Crossley, J.E.
Sanday, Cott	HY692413	26 Aug 2009	Meek, E.R.
Sanday, Lady crossroads	HY687409	26 Aug 2009	Meek, E.R.
Sanday, Lady, Bressigarth	HY694407	19 Aug 2011	Crossley, J.E.
Stronsay, Banks	HY655235	07 Aug 1993	Crossley, J.E.
Stronsay, Housebay	HY670218	09 Sep 2002	Meek, E.R.
Stronsay, nr Holland	HY660229	26 Sep 2001	Crossley, J.E.

Fumaria purpurea

Purple Ramping-fumitory

National Status: *Scarce, IUCN Least Concern, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Not Scarce*

A native, endemic annual with a thinly scattered distribution in Britain as a whole, Orkney being one of its strongholds. Here, as the map shows, it is quite common and is probably the third most abundant of our six fumitories after *F. officinalis* and *F. muralis*. Of the inhabited islands, it has not yet been found on North Ronaldsay, Rousay, Shapinsay or Flotta. Because of the number of records these are mapped rather than listed.

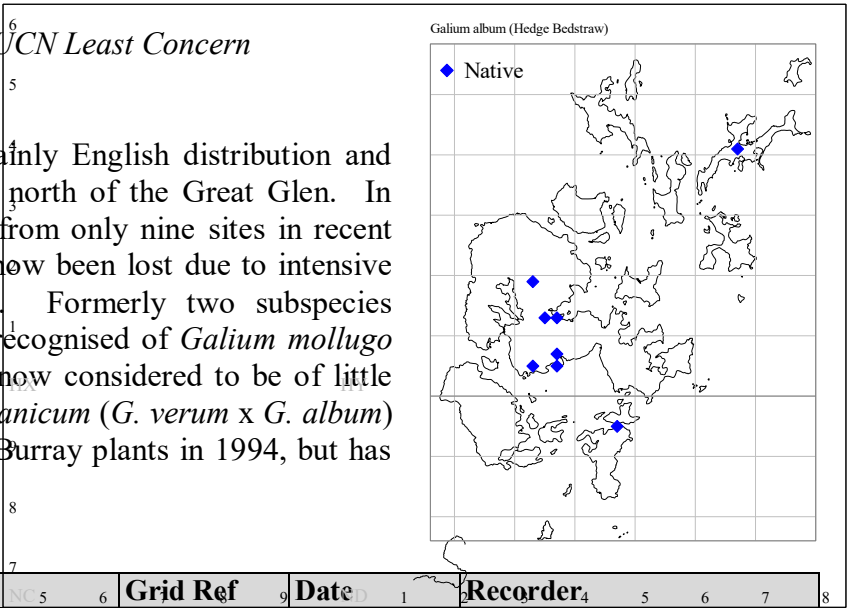


Galium album

Hedge Bedstraw

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native perennial with a mainly English distribution and very scarce indeed anywhere north of the Great Glen. In Orkney it has been recorded from only nine sites in recent years and that in Burray has now been lost due to intensive mowing of the grass verge. Formerly two subspecies (*erectum* and *mollugo*) were recognised of *Galium mollugo* but the infra-specific split is now considered to be of little value. The hybrid *G. x pomeranicum* (*G. verum* x *G. album*) was found once, close to the Burray plants in 1994, but has now been lost.



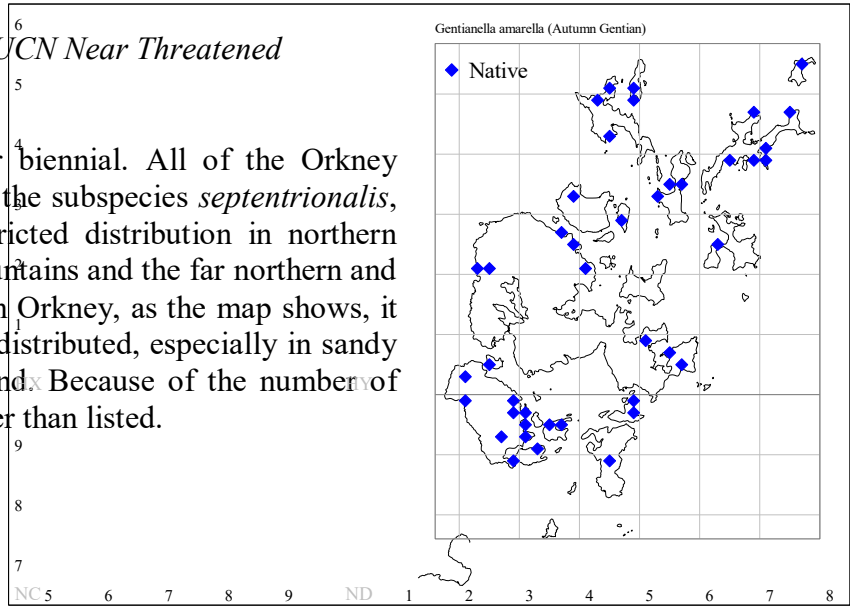
Location	Grid Ref	Date	Recorder
Burray, roadside	ND473958	18 Jul 1994	Crossley, J.E.
Firth, Davie's Brig	HY374128§	Jul 1997	Charter, E.
Firth, Heddle Road	HY358130§	22 Jul 2014	Crossley, J.E.
Harray, Lyde road N verge	HY334184	06 Aug 1998	Bullard, E.R. & Dean, T.
Harray, track to Knowes of Trinnawin	HY334183§	23 Jun 2013	Meek, E.R.
Orphir, Scorradale, old quarry	HY325054	17 May 2014	Meek, E.R.
Orphir, S end of Loch of Kirbister	HY367073	23 Apr 1998	Meek, E.R.
Orphir, Ve Ness	HY374057§	19 Jul 2013	Crossley, J.E.
Sanday, Gallow Hill	HY6640	Aug 1992	Turner, C.

Gentianella amarella subsp. septentrionalis

Autumn Gentian

National Status: *Not Scarce*, IUCN *Near Threatened*
 Orkney Status: *Not Scarce*

A native, endemic annual or biennial. All of the Orkney records of *G. amarella* are of the subspecies *septentrionalis*, a taxon that has a very restricted distribution in northern England, the Breadalbane mountains and the far northern and western coasts of Scotland. In Orkney, as the map shows, it is not uncommon and widely distributed, especially in sandy habitats such as dune grassland. Because of the number of records these are mapped rather than listed.

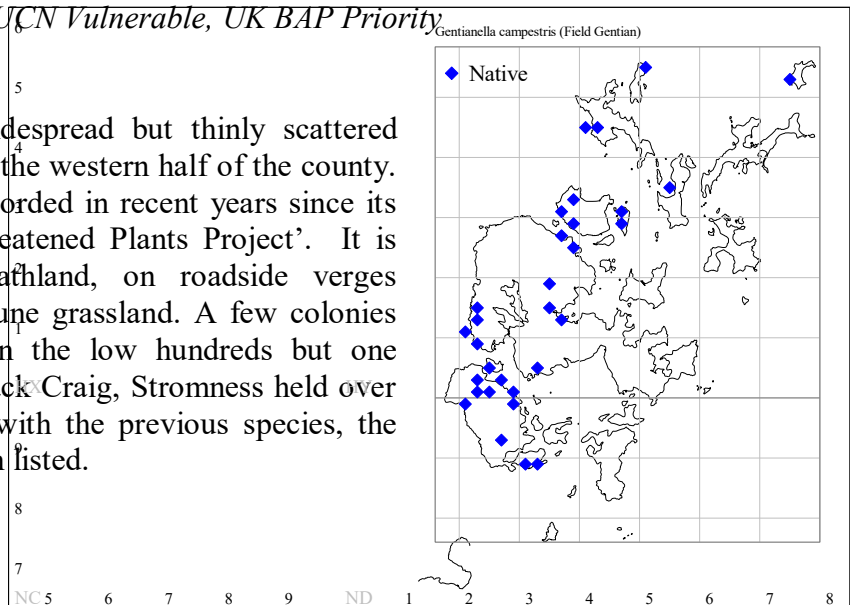


Gentianella campestris

Field Gentian

National Status: *Not Scarce*, IUCN *Vulnerable*, UK BAP *Priority*
 Orkney Status: *Not Scarce*

A native biennial that is widespread but thinly scattered through Orkney, especially in the western half of the county. It has perhaps been better recorded in recent years since its inclusion in the BSBI's 'Threatened Plants Project'. It is found chiefly on short heathland, on roadside verges (especially on Hoy) and in dune grassland. A few colonies contain numbers of plants in the low hundreds but one discovered in 2011 on the Black Craig, Stromness held over a thousand individuals. As with the previous species, the records are mapped rather than listed.

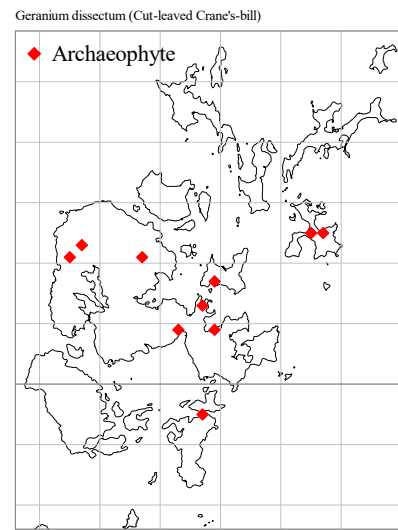


Geranium dissectum

Cut-leaved Crane's-bill

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

This annual of arable land and a variety of other open habitats is an archaeophyte, very common and widespread in England and southern Scotland but very scarce north of the Great Glen. The few Orkney records are largely concentrated in St Ola with others in Sandwick and on Egilsay, Shapinsay, Burray and South Ronaldsay.



Location	Grid Ref	Date	Recorder
Birsay, Twatt airfield	HY2623	Aug 1985	Johnston, E.
Burray, nr Windbreck	ND462956	02 May 1993	McCance, R.
Rendall, Queenamidda	HY372206	28 Aug 2011	Ribbands, J.B.
Sandwick, Tronston	HY259209	16 Sep 2010	Meek, E.R.
Shapinsay, Scottish Homes Development nr Balfour Village	HY483178	10 Jul 1996	Charter, E.
St Ola, Carness	HY462139	24 Oct 1968	Shearer, H.D.H.
St Ola, Toftwood	HY438095	13 Jun 2004	Bullard, E.R.
St Ola, Quoyberstane	HY460124	11 Jul 1982	Bullard, E.R.
Stronsay, Meikle Water and to NE	HY62S	16 Aug 1992	BSBI/Dupree, D.
Stronsay, Millfield	HY659251	17 Jun 1997	Charter, E.

Geranium robertianum subsp. maritimum

Herb-Robert

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

The nominate subspecies is considered to be a neophyte in Orkney and so its four sites are not listed here. However, subspecies *maritimum*, found on shingle above high tide mark, is thought to be native and occurs only on the shingle bank at Loch of Carness. This taxon is not uncommon in England, especially along the south coast; in Scotland it occurs in the south-west but is rare elsewhere.



Location	Grid Ref	Date	Recorder
St Ola, Carness shingle bar	HY466137	30 Aug 2008	Meek, E.R.

Glebionis chrysanthemum

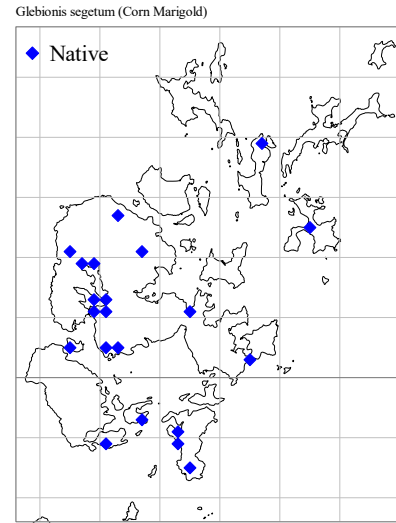
Corn Marigold

National Status: *Not Scarce, IUCN Vulnerable*

Orkney Status: *Not Scarce but declining*

An archaeophyte, this arable weed has declined greatly, like most other species of its ilk, as a result of herbicide use. Now very scarce in most of its previously known locations but with a concentration in Sandwick and Stenness, a single record in Harray and two in Orphir. Also known from several sites in South Ronaldsay and on South Walls in 1995 and Eday in 1998. The site at Bain, Sandwick was particularly productive in 2011, when over 1200 plants were counted.

The plight that this species finds itself in was well illustrated recently when it was simultaneously included in Plantlife literature pleading for its conservation and the newsletter of the Scottish Agricultural College that gave details of how to eradicate it!



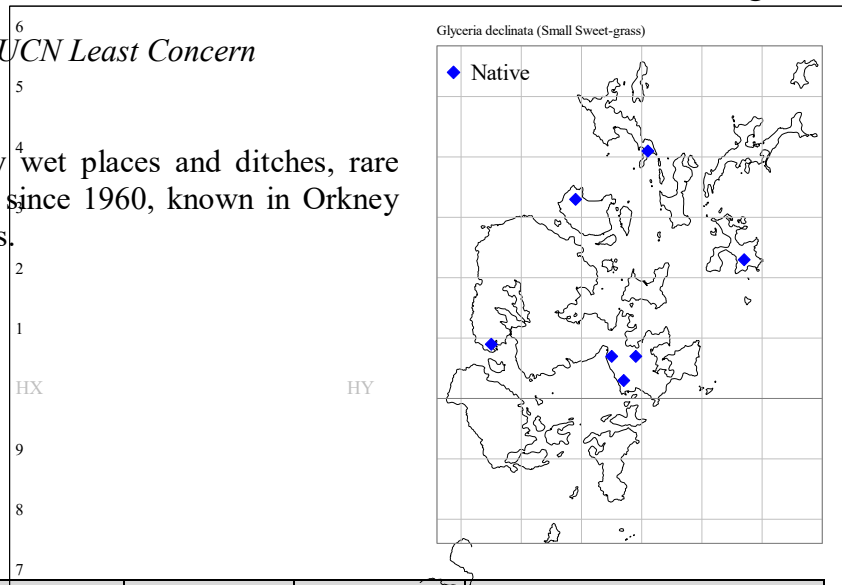
Location	Grid Ref	Date	Recorder
Eday, Ruah	HY574390	25 Jul 1998	Mason, P.
Evie, Dale, Costa	HY320277§	18 Aug 2004	Crossley, J.E.
Flotta, Stanger Head area	ND39R	12 Jul 1996	Bullard, E.R., Charter, E. & Ribbands, J.B.
Graemsay	HY2505	27 Jul 1978	Bullard, E.R.
Harray, field nr Hourston	HY293198	04 Aug 2000	Meek, E.R.
Kirkwall, Pickaquoy Centre	HY442110	12 Sep 2013	Crossley, J.E.
Orphir, above Houton	HY309043	23 Aug 2007	Crossley, J.E.
Orphir, Gerwin	HY335042§	18 Aug 2004	Crossley, J.E.
Rendall, Queenamidda	HY372206	03 Oct 1999	Ribbands, J.B.
Sandwick, Bain	HY253203	16 Aug 2011	Meek, E.R.
Sandwick, Brodgar	HY298132	22 Aug 2003	Meek, E.R.
Sandwick, Hackland, Dounby	HY276195	29 Jul 1991	Charter, E.
South Ronaldsay, Herston	ND421917	26 Aug 2011	Musson, D.
South Ronaldsay, North Flaws	ND455857	02 Sep 2001	Crossley, J.E.
South Ronaldsay, Sandwick	ND433895	03 Oct 1992	Crossley, J.E.
South Ronaldsay, Widewall	ND425906	10 Sep 1992	Crossley, J.E.
South Walls, Aithsdale	ND305895	20 Sep 1995	Crossley, J.E.
St Andrews, St Peters Pool side	HY5403	08 Jul 1997	Anon
Stenness, nr Barnhouse	HY315120	Oct 2002	Meek, E.R.
Stenness, Brodgar RSPB Reserve	HY297132	01 Sep 2010	Meek, E.R.
Stenness, near mouth of Housequoy Burn.	HY306121	06 Sep 2011	Meek, E.R.
Stenness, Nether Onston	HY295117	12 Aug 2003	Meek, E.R.
Stronsay, Dale	HY651251	09 Sep 2012	Crossley, J.E.

Glyceria declinata

Small Sweet-grass

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native perennial of muddy wet places and ditches, rare north of the Great Glen and, since 1960, known in Orkney only from seven scattered sites.



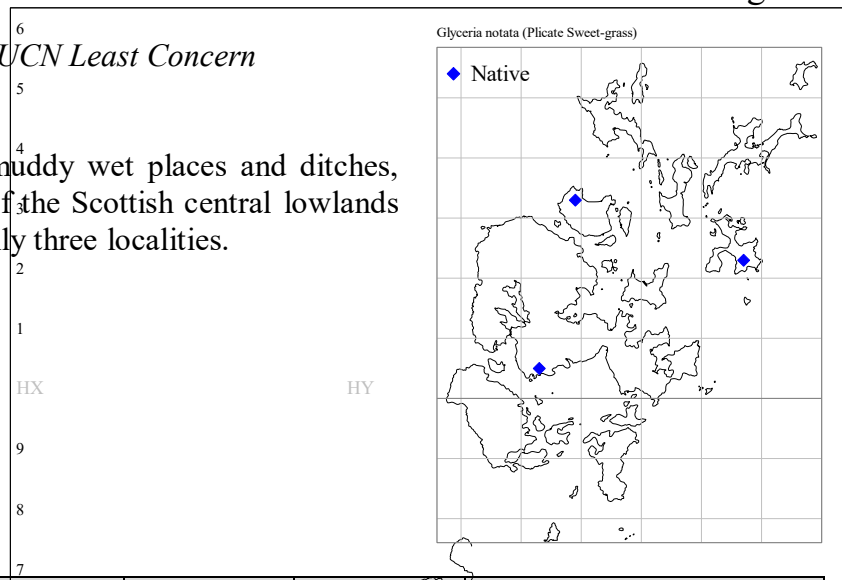
Location	Grid Ref	Date	Recorder
Holm, Midhouse	HY4603	1996	Kepl, J.
Rousay, Loch of Wasbister area	HY3933	06 Sep 1968	Bullard, E.R.
St Andrews, track to White Moss	HY486066	29 Aug 1997	Bullard, E.R.
St Ola, Bendigo	HY4407	2005	Bremner, A.
Stromness, Hamnavoe East	HY2509	25 Jun 2013	Everiss, E. & Simpson, R.
Stronsay, Arifea	HY665236	Aug 1963	Bullard, E.R.
Westray, The Links, Bay of Tafts	HY500416§	29 Jun 2013	Crossley, J.E., Meek, E.R. & Ribbands, J.B.

Glyceria notata

Plicate Sweet-grass

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native perennial, also of muddy wet places and ditches, very scarce anywhere north of the Scottish central lowlands and known in Orkney from only three localities.



Location	Grid Ref	Date	Recorder
Orphir, mouth of burn by Round Church	HY335042	1989	Bullard, E.R.
Rousay, Loch of Wasbister, SW side	HY396330	Aug 1968	Bullard, E.R.
Stronsay, between Housebay and Holland	HY668224§	23 Jul 2013	Crossley, J.E. & Macleod, M.

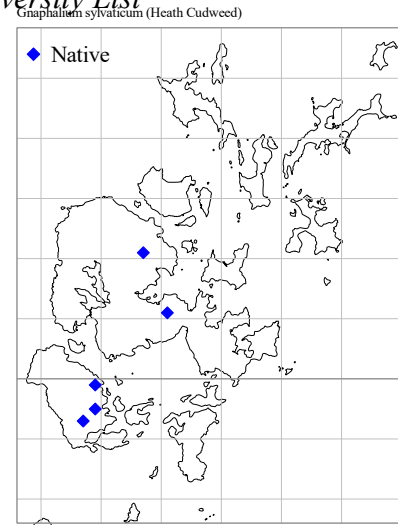
Gnaphalium sylvaticum

Heath Cudweed

National Status: *Not Scarce, IUCN Endangered, Scottish Biodiversity List*

Orkney Status: *Scarce*

A native perennial of dry, acidic soils that appears to be declining throughout its British range and for that reason was included as one of the species in the BSBI's 'Threatened Plants Project'. However, the searches for this species have not proven as fruitful as those for *Gentianella campestris* and it is currently known in only two large colonies (Queenamidda, Rendall and Lyrawa Hill, Hoy) and three other sites.



Location	Grid Ref	Date	Recorder
Hoy, Lyawra Hill	ND285997	10 Aug 2009	Everiss, E.
North Walls, Heldale track	ND268924	18 Jul 1994	Meek, E.R.
North Walls, Wee Fea, Lyness	ND29X	28 Aug 2000	Thompson, B.
Rendall, Queenamidda	HY371206§	22 Aug 2009	Ribbands, J.B.
St Ola, Wideford Hill	HY4111	1963	BSBI Field Meeting

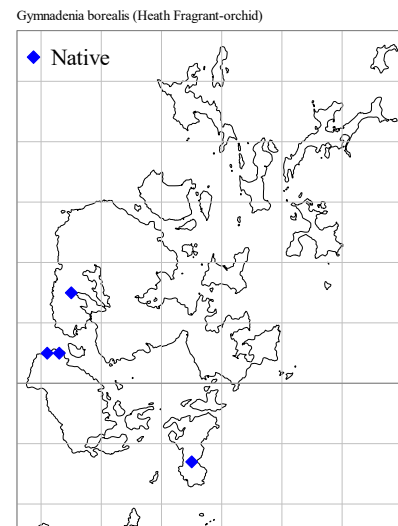
Gymnadenia borealis

Heath Fragrant-orchid

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Rare*

This native perennial orchid is considered to be the commonest of the Fragrant-orchids in mainland Scotland. However, in Orkney it appears to be much scarcer than Marsh Fragrant-orchid *G. densiflora* and is currently known only from three sites, all more or less acidic heathland.



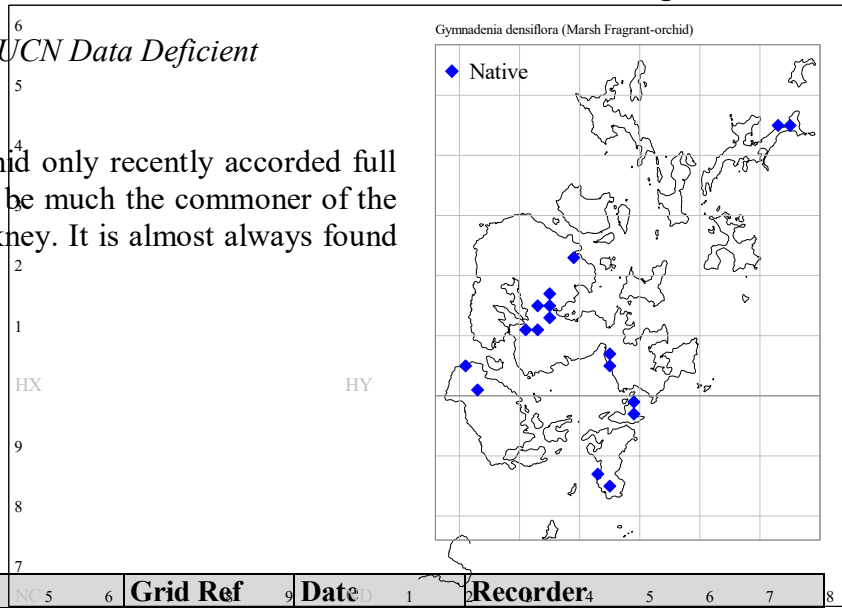
Location	Grid Ref	Date	Recorder
Hoy, Braebuster road, above verge	HY219043§	01 Jul 2011	Crossley, J.E.
Sandwick, nr Clumly Farm	HY247158	18 Jul 2004	Meek, E.R.
South Ronaldsay, Olad summit	ND445879	21 Jun 2014	Crossley, J.E.

Gymnadenia densiflora

Marsh Fragrant-orchid

National Status: *Not Scarce, IUCN Data Deficient*
 Orkney Status: *Not Scarce*

Another native perennial orchid only recently accorded full species status, this appears to be much the commoner of the Fragrant-orchids found in Orkney. It is almost always found in base-rich flushes.



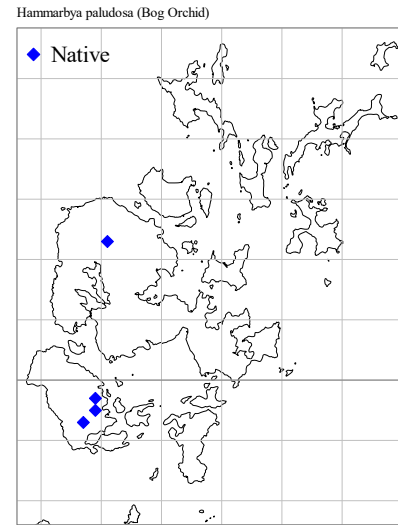
Location	Grid Ref	Date	Recorder
Birsay, The Loons	HY22M	1991	Prosser, M. & Wallace, H.
Burray, North Links	ND487980§	24 Jun 2010	Crossley, J.E.
Evie, Hamars Hill, roadside	HY393230	26 Jul 1971	Bullard, E.R.
Firth, Hill of Heddle	HY357132	23 Jul 2014	Crossley, J.E.
Firth, Syradale	HY354159	20 Jul 2003	Meek, E.R.
Harray, Knowes of Trotty	HY342175	27 Jul 2013	Taylor, J.
Harray, S of Refuge Corner	HY336154§	11 Aug 2002	Meek, E.R.
Holm, Deepdale	HY454046	28 Jun 1997	Bullard, E.R.
Hoy, Nowt Bield	HY235010	01 Sep 2002	Meek, E.R.
Hoy, Braebuster Burn	HY219042	27 Jun 2009	Meek, E.R.
Sanday, East Langamay	HY750446§	24 Jul 2014	Crossley, J.E.
Sanday, Westayre Loch	HY7244	19 Jul 2014	BSBI/Meek, E.R.
South Ronaldsay, Blows Moss, SW end near road	ND450854§	23 Jul 2008	Crossley, J.E.
South Ronaldsay, just SW of Greenvale, Barswick	ND435863	07 Aug 2000	Shearer, H.D.H.
St Ola, Scapa Gills nr Bendigo	HY441070§	24 Jul 2013	Crossley, J.E. & Bremner, A.
Stenness, Bigswell Road	HY321111§	27 Jul 2008	Crossley, J.E.
Stenness, Pullan	HY311113	27 Jul 2010	Meek, E.R.

Hammarbya paludosa

Bog Orchid

International Status: *CITES Annex B*
 National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

An inconspicuous native orchid that grows amongst *Sphagnum* or on the peaty edges of runnels and acidic flushes. Recorded from the Lyrawa Burn, Hoy in 1931 but believed to have become extinct at this site through heavy collecting. Then found in the middle section of the Mill Burn, North Walls in 2000. In 2004 it was found in the lower reaches of the same burn and subsequently in that same season at two sites in the Burn of Ore. Unknown on the Orkney Mainland until discovered during a BSBI field meeting at Glims Moss, Birsay in 2005; site revisited in 2011 and 20 plants located.



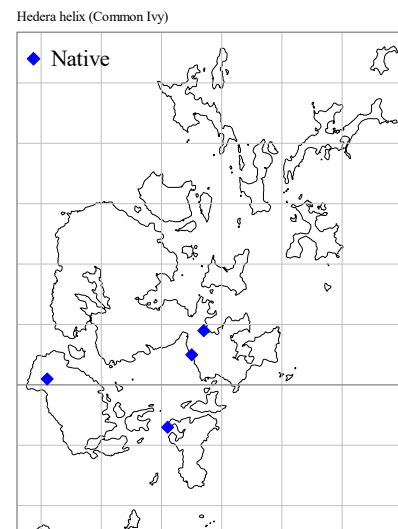
Location	Grid Ref	Date	Recorder
Birsay, Glims Moss	HY309228	11 Aug 2011	Crossley, J.E. & Meek, E.R.
North Walls, Mill Burn, between Burn of Bailiefea and Burn of White Horse	ND282962§	28 Aug 2000	Thompson, B.
North Walls, Burn of Ore	ND271934	15 Aug 2004	Meek, E.R.
North Walls, near Mill Burn	ND295954§	07 Aug 2004	Jones, B.

Hedera helix

Common Ivy

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

An evergreen perennial climber, often difficult to determine whether native in some of its Orkney sites. Very likely to be native at three sea-cliff sites at Gaitnip, Holm; Berstane, St Ola; and Hoxa, South Ronaldsay. Believed to be native in Berriedale, Hoy where it was collected in 1884 and then not recorded there again until 2004. It is not certain, however, whether the recent discovery is of *Hedera helix* or another, introduced taxon: a specimen collected in 2014 is awaiting determination.



Location	Grid Ref	Date	Recorder
Holm, Gaitnip Hill	HY445053§	06 Oct 2013	Crossley, J.E. & Bremner, A.
Hoy, Berriedale	HY201013§	21 Sep 2014	Crossley, J.E.
South Ronaldsay, Hoxa, below Vamh	ND410928	1998	Bullard, E.R.
St Ola, Heatherbank to Brough	HY4709	01 May 2006	Bremner, A.

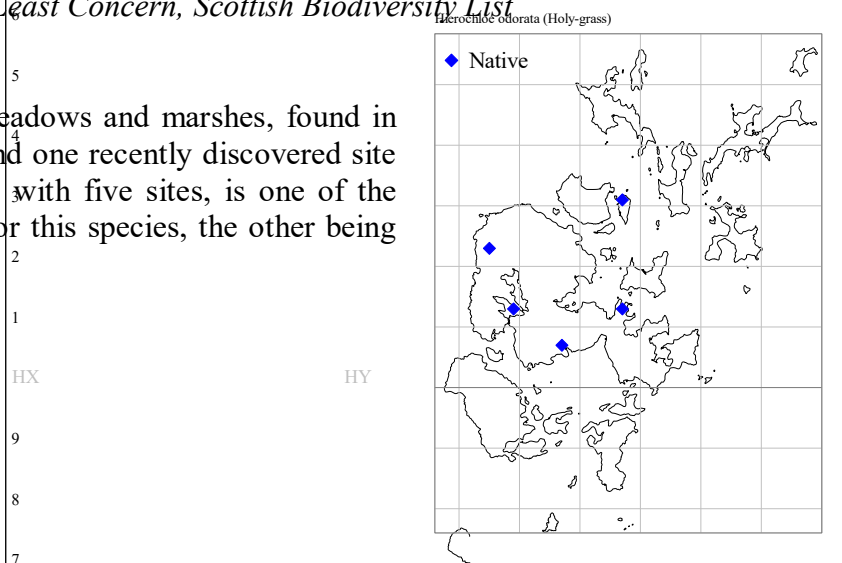
Hierochloe odorata

Holy Grass

National Status: *Rare, IUCN Least Concern, Scottish Biodiversity List*

Orkney Status: *Scarce*

A rare native grass of wet meadows and marshes, found in just 15 hecads in Scotland and one recently discovered site in Northumberland. Orkney, with five sites, is one of the two most important centres for this species, the other being the Solway coast.



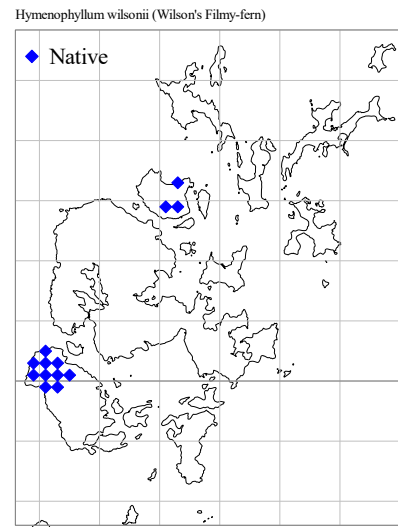
Location	Grid Ref	Date	Recorder
Birsay, Loch of Isbister, SW shore	HY253233§	03 Aug 2012	Crossley, J.E.
Egilsay, Loch of Welland	HY478312	17 Aug 1994	Bullard, E.R.
Orphir, Loch of Kirbister	HY370072§	22 Jun 2010	Crossley, J.E.
St Ola, Loch of Carness	HY464133§	05 Aug 2013	Crossley, J.E. & Gauld, S.
Stenness, Ness of Brodgar	HY297133§	20 Jun 2008	Crossley, J.E.

Hymenophyllum wilsonii

Wilson's Filmy-fern

National Status: *Not Scarce, IUCN Near Threatened*
 Orkney Status: *Scarce*

A native, perennial fern with a markedly western distribution within the British Isles. In Orkney this tiny, inconspicuous fern is known from several humid, rocky places in the northern part of Hoy and three on Rousay.



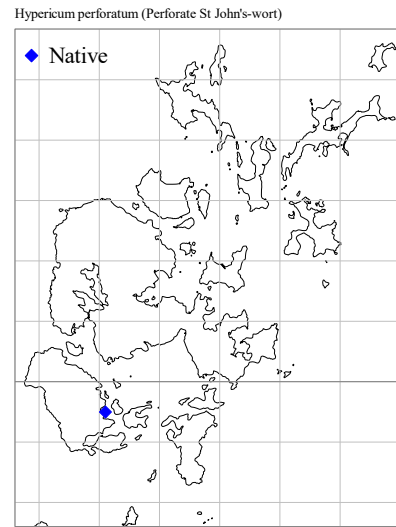
Location	Grid Ref	Date	Recorder
Hoy, Berriedale	HY201014	30 Aug 1990	Meek, E.R. & Fairclough, K.
Hoy, Dwarfie Hamars	HY2400	01 Nov 2000	Jones, B.
Hoy, Enegars	HY202037	23 Jun 2012	Meek, E.R.
Hoy, Enegars	HY2004	25 Jul 1993	Prescott, T.
Hoy, Quoyawa	HY2302	1960	Bullard, E.R.
Hoy, Skecking Gill	HY2103	1960	Bullard, E.R.
Hoy, St John's Head	HY1803	1960	Bullard, E.R.
Hoy, Stours Kinora	HY1801	1960	Bullard, E.R.
Hoy, White Glen	HY2301	1960	Bullard, E.R.
Hoy, Glen of Greor	HY2202	1960	Bullard, E.R.
Hoy, Glen of the Horn	HY230028	2002	Everiss, E. & McCance, R.
Hoy, Green Hamars	HY2103	1960	Bullard, E.R.
Hoy, Quoyawa, mid gully	HY235020	Jun 1979	Bullard, E.R.
Hoy, Rinnigill	ND224994§	27 May 2003	Jones, B.
Hoy, Runcigill, below waterfall	ND216983§	05 May 2003	Everiss, E.
Hoy, Stours Kinora.	HY182012	26 Aug 1970	Bullard, E.R.
Rousay, Blotchnie Fiold (NW)	HY413289§	13 Jun 2006	Ribbands, J.B.
Rousay, Blotchnie Fiold double gully	HY423291	09 Jun 2010	Meek, E.R.
Rousay, Kierfea Hill	HY423323§	21 Apr 2008	Payne, A.

Hypericum perforatum

Perforate St John's-wort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native perennial of road verges, grassy banks and similar habitats, very rare north of the Great Glen. Known in its one Orkney site only since 2004, considered as probably native though there must be some doubt.



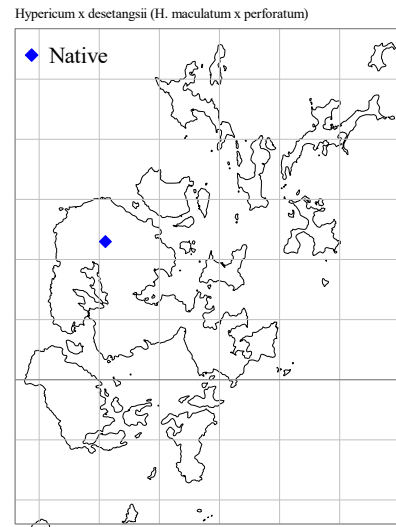
Location	Grid Ref	Date	Recorder
Hoy, North Walls, Lyness old naval base	ND311946§	11 Aug 2009	Crossley, J.E.

**Hypericum x desetangii
 (H. perforatum x H. maculatum)**

Des Etangs' St John's-wort

National Status: *Not Scarce, IUCN not listed*
 Orkney Status: *Rare*

This partially fertile hybrid has a similar distribution to *H. perforatum* but is much less often recorded. It is considered native as far north as Perthshire and Angus. The only record between there and Orkney, in Easter Ross, is considered to be alien. It was discovered on a moorland roadside verge near Glims Moss, Birsay in 2008. The nature of the site suggests that perhaps it may have been introduced.



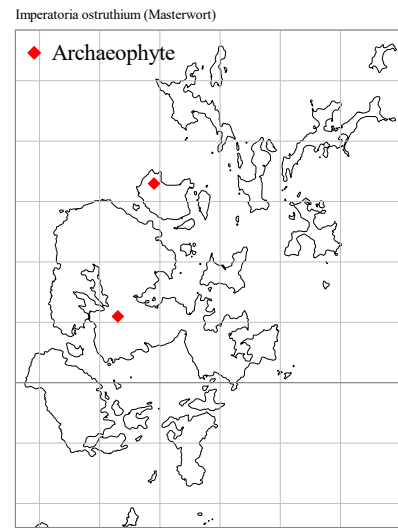
Location	Grid Ref	Date	Recorder
Harray, Hillside road by Glims Moss	HY314220§	05 Aug 2008	Crossley, J.E.

Imperatoria ostruthium

Masterwort

National Status: *Scarce, IUCN Near Threatened*
 Orkney Status: *Rare*

An archaeophyte perennial herb of damp grassy places, burn sides and the like that has become naturalised after having been cultivated as a pot-herb and for veterinary purposes. In Orkney, it is well established at Dowsgarth, Stenness, with the only other locality where it has been seen in recent years being Furse on Rousay.



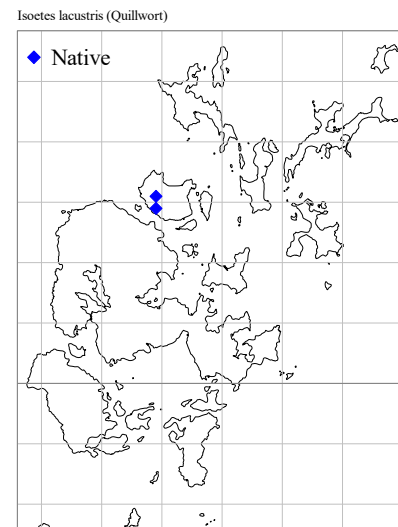
Location	Grid Ref	Date	Recorder
Rousay, track to Force Farm	HY392337§	28 Jun 2003	Bullard, E.R.
Stenness, Dowsgarth	HY329104§	29 Jul 2008	Crossley, J.E.

Isoetes lacustris

Quillwort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, submerged aquatic perennial currently known only from three lochs on Rousay. In Heldale Water, North Walls it was last seen in 1952 while there are also 19th Century records from the Loch of Carness, St Ola.



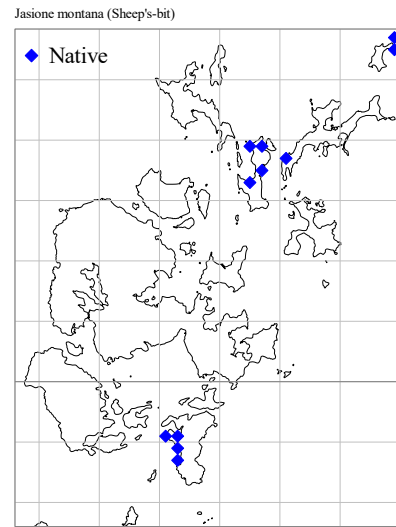
Location	Grid Ref	Date	Recorder
Rousay, Peerie Water	HY399294	25 Jul 1994	NCC Loch Survey
Rousay, SW of Peerie Water	HY393292	09 Sep 2006	Everiss, E. & Tateson, G.
Rousay, Muckle Water	HY390302	28 Aug 2000	Jermy, A.C.

Jasione montana

Sheep's-bit

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native biennial herb of acidic shallow and well-drained soils with a very westerly distribution in Britain and no mainland record north of the Moray coast. However, it is very widespread in Shetland, so its very restricted distribution in Orkney is puzzling. Here its strongholds are Eday (including The Calf) and South Ronaldsay, with dwarfed plants growing in the heavily sheep-grazed turf outside the North Ronaldsay dyke and a single record on Sanday.



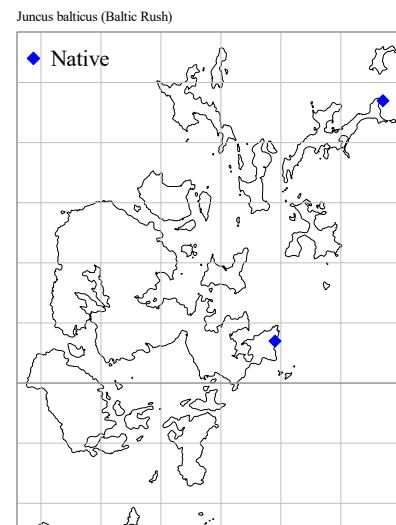
Location	Grid Ref	Date	Recorder
Eday, North Guith	HY550336	26 Jul 1995	Crossley, J.E.
Eday, Whithebeir	HY573355	28 Jul 1995	Crossley, J.E.
Eday, Calf of Eday	HY53	10 Sep 1975	Bullard, E.R.
Eday, coast north of Linkataing	HY553396	23 Jul 2010	Ribbands, J.B.
North Ronaldsay, Bewan	HY75X	30 Sep 2013	Meek, E.R.
North Ronaldsay, Troila Vatn	HY75Y	30 Sep 2013	Meek, E.R.
Sanday, Hegglic Ber to N of Stove	HY6036	12 Jul 1988	Bullard, E.R.
South Ronaldsay, Herston Head	ND4191	27 Jun 1971	Bullard, E.R.
South Ronaldsay, Hoston Head & The Kist	ND434876	12 Sep 2014	Crossley, J.E.
South Ronaldsay, S of Harrabrough Head	ND423900	14 Jun 1994	Crossley, J.E.
South Ronaldsay, Sandwick	ND434893	20 Jul 2013	Everiss, E. & Mackintosh, S.

Juncus balticus

Baltic Rush

National Status: *Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native rush of dune slacks, almost entirely restricted to the coasts of north and north-east Scotland. Found at Tofts Ness, Sanday in 1996 but not relocated there despite several searches. The species is thriving at its only other Orkney station, near Sandside, Deerness where it was found in 1997.



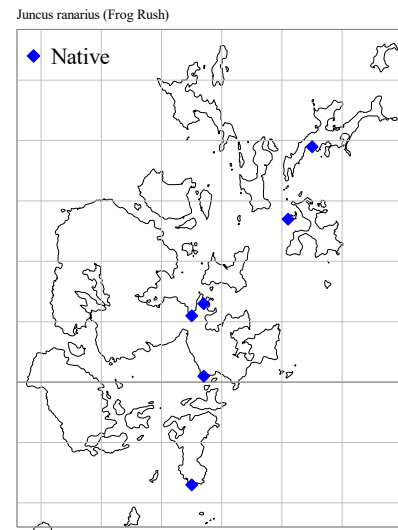
Location	Grid Ref	Date	Recorder
Deerness, Sandside	HY589070	25 Sep 2004	Meek, E.R.
Sanday, Tofts Ness	HY761470	1996	Dargie, T.

Juncus ranarius

Frog Rush

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

Considered as a subspecies of Toad Rush *J. bufonius* until 1978 when elevated to species status, this small annual rush is scattered thinly around the coasts of the British Isles. There are pre-1960 records for North Ronaldsay, Holms of Ire, Copinsay and Corn Holm but, apart from a 1992 record from Linga Holm, all other records are for 2013/2014. More will doubtless follow.



Location	Grid Ref	Date	Recorder
Kirkwall, Peedie Sea	HY445109	12 Sep 2013	Crossley, J.E.
Sanday, Kettletoft Pier	HY659384§	19 Aug 2013	Crossley, J.E.
South Ronaldsay, Brough	ND452830§	06 Aug 2014	Crossley, J.E.
St Ola, Carness	HY4613	05 Aug 2013	Crossley, J.E. & Gauld, S.
Stronsay, Linga Holm	HY6127	16 Aug 1992	BSBI/Silverside, A.

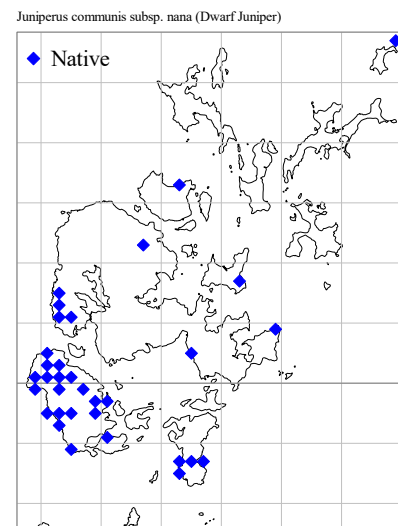
Juniperus communis

Juniper

National Status: *Not Scarce, IUCN Least Concern, UK BAP Priority, Scottish Biodiversity List*

Orkney Status: *Not Scarce*

A low-growing native shrub found in a variety of heathland habitats that is very susceptible to damage from burning and grazing. Probably for this reason, although still common on Hoy, its distribution elsewhere has been reduced to just a handful of sites on Rousay, Shapinsay, West and East Mainland, South Ronaldsay and South Walls. Its continued presence on North Ronaldsay, where it was last recorded in 1966, requires confirmation. The plants growing in Orkney are believed to be all subspecies *nana*. Because of the number of records these are mapped rather than listed.



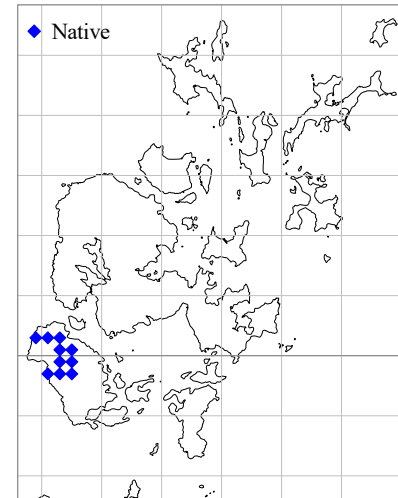
Kalmia procumbens

Trailing Azalea

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

A native, procumbent dwarf shrub, in Britain found only north of the Highland boundary fault. In Orkney, it is found only on some of the higher hills and plateaux of Hoy from Enegars in the north to Withigill in the south.

Kalmia procumbens (Trailing Azalea)



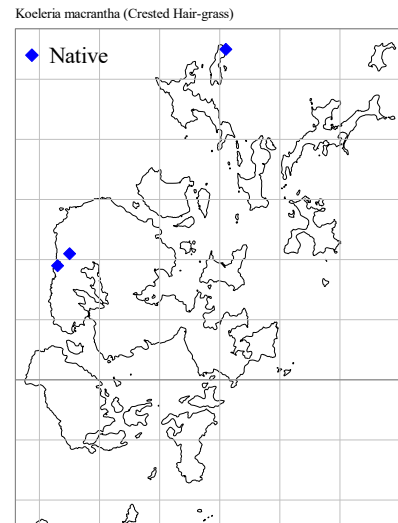
Location	Grid Ref	Date	Recorder
Hoy, Sui Fea, small knoll to east of lochan	HY194032	1993	Prescott, T.
Hoy, Sui Fea, eastern spur	HY198033	1993	Prescott, T.
Hoy, Vow Randie, NW end	HY254002	1993	Prescott, T.
Hoy, Ward Hill	HY2201; HY2202	1993	Various
Hoy, c90m SW of summit between Mel Fea and Knap of Trowieglen	ND227981	1993	Prescott, T.
Hoy, Enegars	HY202037§	27 May 2003	Everiss, E. & McCance, R.
Hoy, Knap of Trowieglen	ND237983§	05 May 2003	Everiss, E.
Hoy, Mel Fea	ND2197; ND2297; ND2298	25 May 2003	Everiss, E.
Hoy, ridge northeast of Knap of Trowieglen	ND244986§	2008	Jones, B.
Hoy, summit of hill SE of Meadow of the Kame	HY207037	27 May 1990	Gray, M.
Hoy, Vow Randie (NW)	HY258000§	07 May 2012	Meek, E.R.
Hoy, west of Back Saddles	HY199030§	20 Jun 2011	Crossley, J.E.
North Walls, near Withigill	ND2597; ND2496	03 May 2003	Everiss, E. & Jones, B.

Koeleria micrantha

Crested Hair-grass

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial grass of dry, often sandy, base-rich habitats. In recent years this species has been found only on rocky outcrops on the North Hill, Papa Westray; in coastal grassland at the Bay of Skail, Sandwick; and some 2 km inland at Quoyloo. Pre-1960 sites at Boardhouse Links, Birsay and at the Black Craig, Stromness have not been refound.



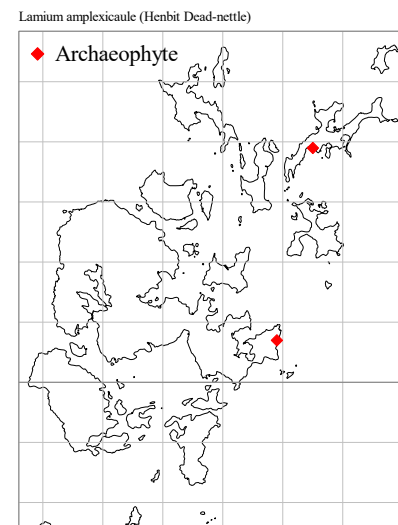
Location	Grid Ref	Date	Recorder
Sandwick, Lower Quoys, Quoyloo	HY249211	10 Jul 1991	Charter, E.
Papa Westray, crags on North Hill	HY502546	25 Sep 2013	Meek, E.R.
Sandwick, Skail	HY233188	27 Jul 1979	Bullard, E.R.

Lamium amplexicaule

Henbit Dead-nettle

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

This annual arable weed is an archaeophyte that has been declining due to modern agricultural methods. It is scarce north of Inverness; in Orkney there are relatively recent records only from Deerness and Sanday.



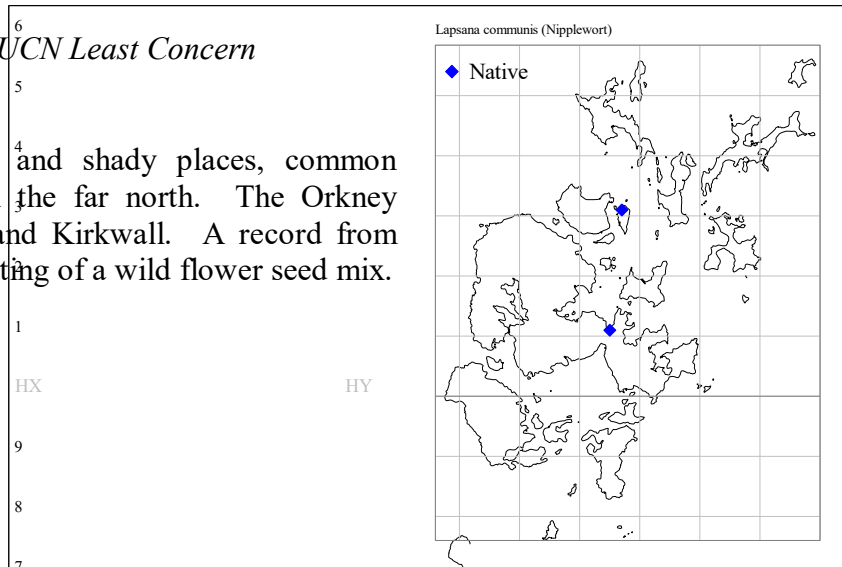
Location	Grid Ref	Date	Recorder
Sanday, Cross, Kettletoft to Backaskaill	HY63P	11 Jul 1988	Bullard, E.R. & Turner, C.
Deerness, Skail	HY5806	24 Sep 1971	Bullard, E.R.

Lapsana communis

Nipplewort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native herb of disturbed and shady places, common throughout Britain except in the far north. The Orkney records come from Egilsay and Kirkwall. A record from Shapinsay arose from the planting of a wild flower seed mix.



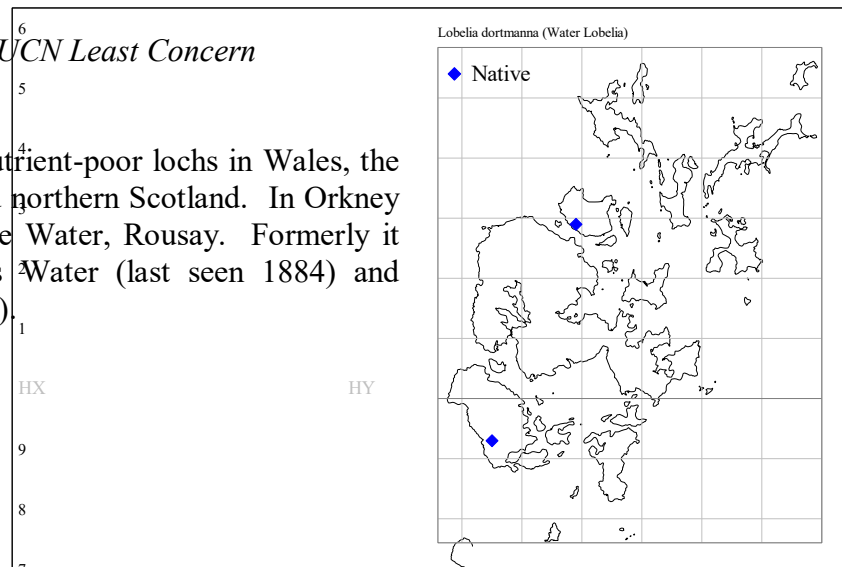
Location	Grid Ref	Date	Recorder
Egilsay, road corner near Old Manse	HY468301	1967	McMillan, N.
St Ola, Kirkwall, St Catherine's Place	HY451113	30 Sep 1989	Shearer, H.D.H.

Lobelia dortmanna

Water Lobelia

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of nutrient-poor lochs in Wales, the Lake District and western and northern Scotland. In Orkney it is now found only at Peerie Water, Rousay. Formerly it was found in Hoy at Sands Water (last seen 1884) and Heldale Water (last seen 1978).



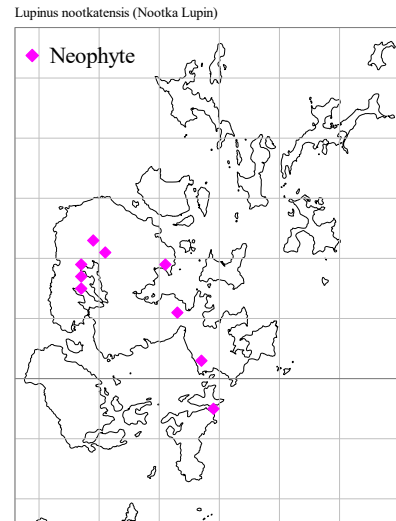
Location	Grid Ref	Date	Recorder
Hoy, North Walls, Heldale Water (centroid)	ND257922	1978	University of Newcastle
Rousay, Peerie Water (centroid)	HY397294	09 Sep 2006	Everiss, E. & Tateson, G.

Lupinus nootkatensis

Nootka Lupin

National Status: *Not Scarce, IUCN not listed*
 Orkney Status: *Scarce*

This perennial herb was introduced into Britain in 1794 and first reported growing in the wild in 1862. It is thus a neophyte but is included here for its historical interest, having been planted to help improve nitrogen-poor soils, then becoming naturalised. It is now declining rapidly.



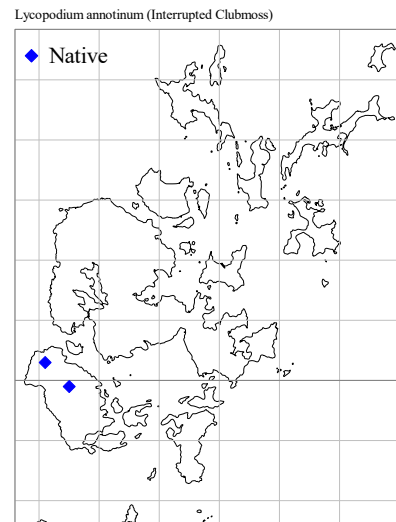
Location	Grid Ref	Date	Recorder
Birsay, Holodyke	HY3020	25 Sep 2005	Meek, E.R.
Birsay, Loch of Sabiston	HY2922	19 Jun 2005	Meek, E.R.
Burray, Southfield Quarry	ND486958	16 Oct 2006	Everiss, E.
Harray, track opposite Wilderness	HY315216	15 Jul 2000	Orkney Field Club
Holm, A961 verges and nearby	HY4602	31 May 2013	Crossley, J.E.
Rendall, Gorseness	HY410194	1988	Bullard, E.R.
Sandwick, quarry off Lyking Road	HY264151	10 Jul 1991	Thompson, B.
Sandwick, field south of Mill Dam of Rango	HY2617	22 Jun 2010	Crossley, J.E.
St Ola, Sunnybank	HY429117	26 Jun 1999	Ribbands, J.B.

Lycopodium annotinum

Interrupted Clubmoss

National Status: *Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, sprawling, evergreen herb of mountains and moorlands which, apart from one station in the Lake District, is found only north of the Scottish central lowlands. In Orkney, it was recorded in at least two areas of the northern part of Hoy in the early 20th Century but then was not seen between 1911 and 2000, when it was relocated, again on Hoy, on Ward Hill, with a second site being found in the Trowie Glen in 2002.



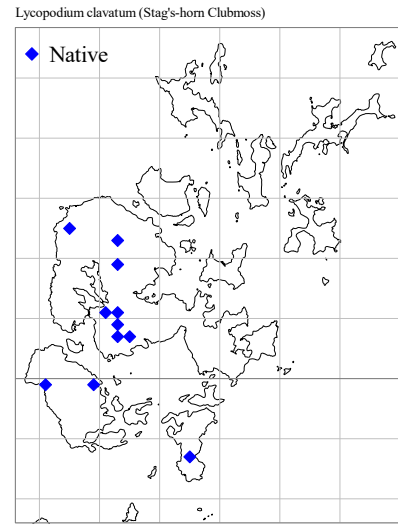
Location	Grid Ref	Date	Recorder
Hoy, Trowieglen	ND242989§	30 Jun 2002	McCance, R., Jones, B. <i>et al.</i>
Hoy, Ward Hill	HY238018 or HY233024	16 Aug 2001	Jones, B.
Hoy, Ward Hill	HY218023	29 Aug 2000	Thompson, B.

Lycopodium clavatum

Stag's-horn Clubmoss

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, prostrate, evergreen, perennial herb found on heaths and moors, widespread in upland areas of Britain but which appears to have declined markedly in Orkney, so that it is now known only from Birsay, the Orphir & Stenness Hills, from two localities on Hoy and one in South Ronaldsay.



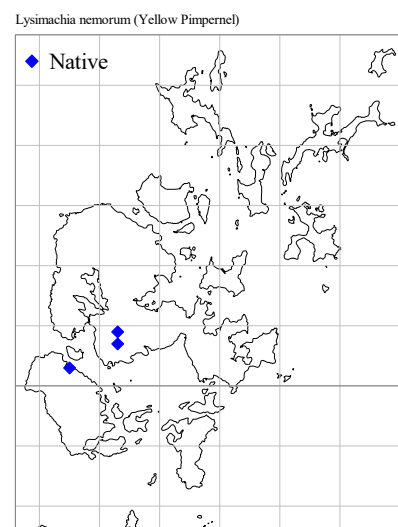
Location	Grid Ref	Date	Recorder
Birsay & Harray, Starling Hill	HY338220	17 Jun 1996	Meek, E.R.
Birsay, Ravie Hill	HY22M	1995	Meek, E.R.
Hoy, Lyrawa Hill	ND287987§	25 Aug 2009	Jones, B.
Harray, Starling Hill	HY338220	17 Jun 1996	Meek, E.R.
Hoy, Rackwick	ND201998§	04 Jul 2011	Crossley, J.E.
North Walls, Lyrawa Bay and Burn	ND29Z	17 Aug 1992	BSBI/Muscott, J.
Orphir, Akla	HY3307 & HY3407	16 Mar 2003	Everiss, E., Meek, E.R., McCance, R. & N.
Orphir, col between Akla & Ward Hill	HY338079§	10 Apr 2013	Meek, E.R.
Orphir, Upper Linnadale	HY328067§	26 Jun 2008	Meek, E.R.
South Ronaldsay, W of Olad Brae summit	ND443876	1998	Shearer, H.D.H.
Stenness, Pullan Peat Track	HY309101§	08 May 2005	Meek, E.R.
Stenness, Russadale	HY332100§	31 Aug 2011	Meek, E.R.
Stenness, South Rusky Hill (track on NW side)	HY335102	31 Aug 2011	Meek, E.R.

Lysimachia nemorum

Yellow Pimpernel

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, evergreen, perennial herb of herb rich woodland and other shaded places, common almost throughout mainland Britain. Has declined in Orkney so that only two sites, one on Hoy and the other in Stenness, are known to be extant. The Orphir site has been searched for unsuccessfully.



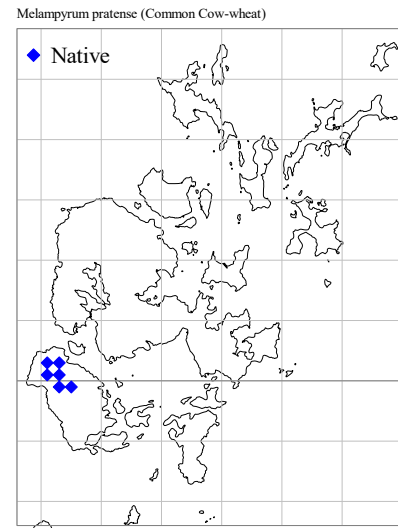
Location	Grid Ref	Date	Recorder
Hoy, Whaness Burn	HY245025	23 Jan 2002	Eggeling, T.W.
Orphir, Ramsdale	HY334071	13 Jul 1963	Bullard, E.R.
Stenness, North Dales	HY324086§; HY323086§	09 Aug 2011	Meek, E.R.

Melampyrum pratense

Common Cow-wheat

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, annual, hemiparasite of heaths and moors, in Orkney now found only on Hoy, at Enegars, on the Ward Hill complex and in Trowieglen.



Location	Grid Ref	Date	Recorder
Hoy, Trowieglen	ND240989§	29 Jun 2002	Jones, B.
Hoy, Enegars	HY202037§	27 May 2003	Everiss, E. & McCance, R.
Hoy, NE Ward Hill	HY20G	02 Jul 2005	BSBI/Meek, E.R.
Hoy, Nowt Bield	HY231019	06 Jul 1996	O'Connor, R.
Hoy, Red Glen	HY218013§	02 Jul 2006	Crossley, J.E.

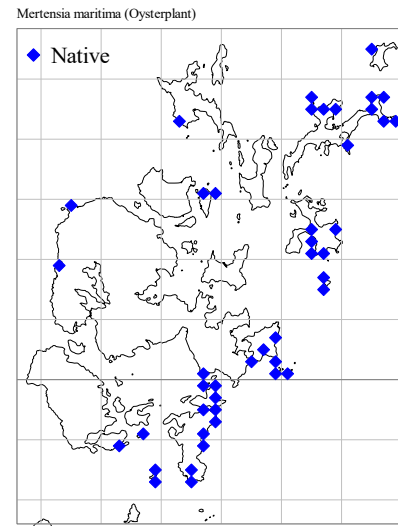
Mertensia maritima

Oysterplant

National Status: *Scarce, IUCN Near Threatened*
 Orkney Status: *Not Scarce*

This native, perennial herb of shingle beaches is a spectacular plant for which Orkney is justly famous. In Britain as a whole it is found in some 70 hectads, mainly from Cumbria northwards in the west and from Aberdeenshire northwards in the east. Orkney and Shetland are strongholds, though plants are suppressed by sheep in Shetland.

Not uncommon in Orkney with over 50 recorded sites mainly on east- and south-facing sand and shingle beaches. There are known stations in North Ronaldsay, Sanday, Stronsay, Auskerry, Deerness, Copinsay, Corn Holm, Holm, Glims Holm, Burray, South Ronaldsay, Swona and South Walls. Elsewhere, there have been recent records on Westray, Egilsay and on Birsay, and Skail Bays in the West Mainland. Because of the number of records these are mapped rather than listed.



Myrica gale

Bog Myrtle

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A small native shrub of wet bogs and moors and which is common in north and west Scotland. In Orkney, however, it is found in only one long-known site on Eday, a small colony in Evie having probably been destroyed by agricultural drainage



Location	Grid Ref	Date	Recorder
Eday, Skail	HY566328	20 Aug 1995	Bullard, E.R.

Oenanthe crocata

Hemlock Water-dropwort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A highly poisonous, native herb of wet habitats, extremely scarce anywhere in Scotland north of Inverness. In Orkney, its single site was discovered in 1988 and was still extant in 2012.



Location	Grid Ref	Date	Recorder
Orphir, Swanbister Bay	HY362055§	16 Jul 2012	Meek, E.R.

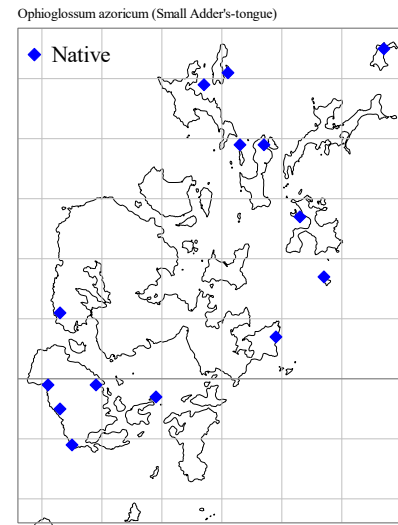
Ophioglossum azoricum

Small Adder's-tongue

National Status: *Scarce, IUCN Least Concern*

Orkney Status: *Scarce / Data Deficient*

A tiny native fern of coastal grass-heath, with a western, coastal distribution in Britain and strongholds in the far north. Its sites in Orkney are mainly on uninhabited, sheep-grazed islands. However, the very recent application of DNA testing to *O. azoricum* and its commoner relative *O. vulgatum* has proved that the two species, or at least very small examples of them, cannot reliably be separated on field characters alone, thus calling into question their true distribution and status. Samples from Orkney tested in 2014 both confirmed and disproved previous identifications, in both directions. Sites from which plants have been identified from DNA are shown in bold script in the table of records. There is a record for Sule Skerry that does not appear on the map.



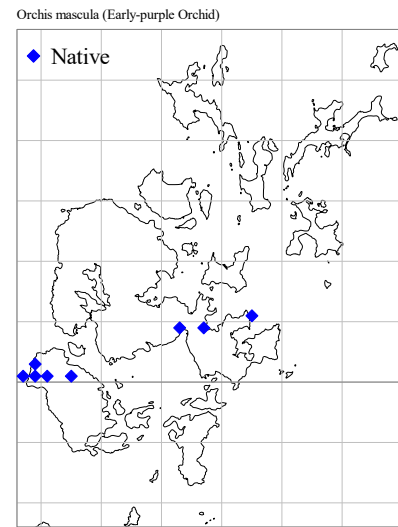
Location	Grid Ref	Date	Recorder
Auskerry (centroid)	HY675162	12 Jul 2005	Crossley, J.E.
Deerness, nr Gloup.	HY594078	01 Oct 1967	Bullard, E.R.
Eday, Calf of	HY53U	08 Jun 1993	Charter, E.
Faray, Holm of Faray	HY526394	1978	Bullard, E.R.
Flotta, Calf of	ND378967§	09 Aug 2009	Crossley, J.E.
Hoy, Rackwick, SE of Burnmouth	ND207983§	06 Aug 2014	Crossley, J.E. & Ribbands, J.B.
North Walls, between Langi Geo and Watery Geo	ND244897	1991	Thompson, B.
North Ronaldsay, Linklet, behind Linklet Bay. More likely <i>vulgatum</i>	HY7650	1980	Bullard, E.R.
North Walls, Lyrawa Hill, NW of summit	ND282997§	20 Aug 2014	Everiss, E.
North Walls, NW of outfall of Burn of Forse	ND222942§	11 Jun 2014	Crossley, J.E.
Papa Westray, Holm of Papa Westray	HY55A	29 Jun 2008	Crossley, J.E.
Papa Westray, Links of Moclett (both species recorded)	HY44U	1994	Meek, E. R.
Stronsay, Linga Holm	HY620278	2000	Harris, R.
Sule Skerry	HX6224	1962	Balfour, E.

Orchis mascula

Early Purple Orchid

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial orchid that is widely distributed on base-rich and neutral soils throughout Britain. It is much less common in the north-eastern parts of mainland Scotland and in Orkney is found only on Hoy and in two Mainland parishes.



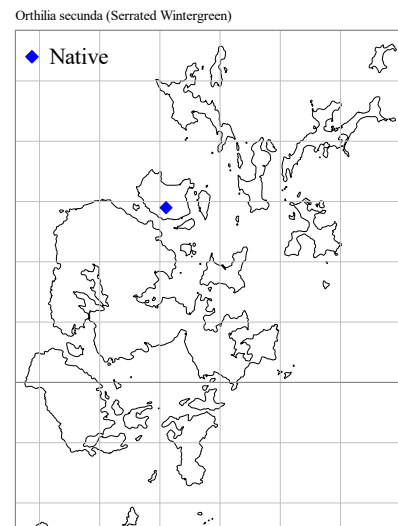
Location	Grid Ref	Date	Recorder
Hoy, Scarsa	HY180009§	22 Jun 2013	BSBI Local Group/Meek, E.R.
Hoy, Red Glen	HY252010	02 May 2011	Meek, E.R.
Hoy, Berriedale	HY198017	02 Jun 2010	Jones, B.
Hoy, between Old Man track and Moor Fea	HY184000	May 2001	Jones, B.
Hoy, Kame of Hoy, airplane gully	HY189039	27 May 2003	Jones, B.
St Ola, Inganess Bay	HY472095§	03 May 2012	Booth, C.J. & J.
St Ola, Scapa	HY433086§	21 May 2003	Crossley, J.E., Everiss, E., McCance, R. & N.
Tankerness, Rerwick Head	HY540118	26 May 2003	Adam, R.G.

Orthilia secunda

Serrated Wintergreen

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, evergreen, perennial herb of damp Heather- and Bilberry-dominated vegetation, both in woodland and on open moorland. Within Britain, it is almost entirely confined to Scotland north of the Highland boundary fault and the Lake District. In Orkney, it is known from just one site, on Rousay, discovered during a BSBI Field Meeting in 1963.



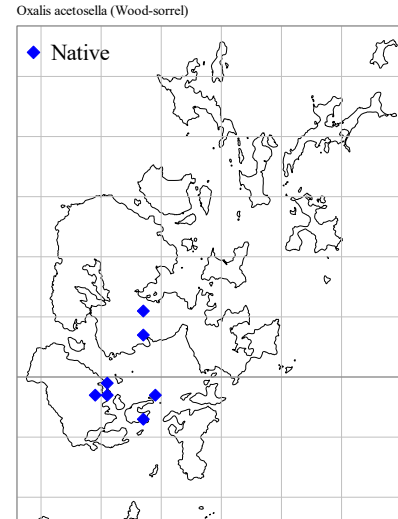
Location	Grid Ref	Date	Recorder
Rousay, Blotchnie Field (North)	HY413291§	13 Aug 2011	Meek, E.R.

Oxalis acetosella

Wood Sorrel

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of moist woodland and other shaded habitats. It is widespread throughout Scotland although less so in Caithness. In Orkney six of its seven known sites are around Scapa Flow under Bracken *Pteridium aquilinum*. The sixth site is in a shady, moorland ditch on the north side of Keelylang Hill, Firth.



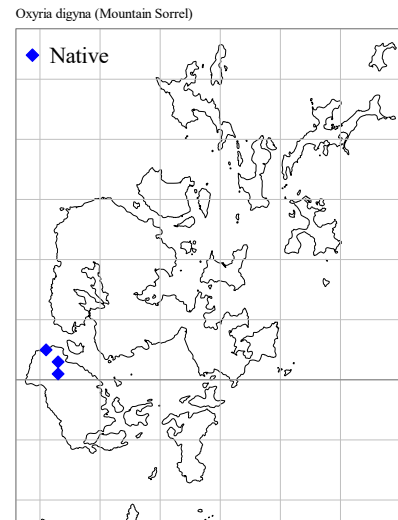
Location	Grid Ref	Date	Recorder
Firth, Cruan/Kingsdale ditch	HY369110§	08 May 2005	Meek, E.R.
Flotta, Calf of (centroid)	ND382967	09 Aug 2009	Crossley, J.E.
Flotta, Stanger Head area	ND39R	12 Jul 1996	Bullard, E.R., Charter, E. & Ribbands, J.B.
North Walls, Green Head, Lyrawa	ND301995	23 Jun 1999	Ribbands, J.B.
North Walls, Pegal Bay	ND298977§	20 Jul 2014	BSBI/Crossley, J.E.
Orphir, Veness	HY378060	26 Aug 1990	Meek, E.R.
Rysa Little	ND39D	02 Aug 2009	Crossley, J.E.

Oxyria digyna

Mountain Sorrel

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of damp, ungrazed mountain ledges and gullies found in Britain only in north Wales, the Lake District and the west and north of Scotland. In Orkney it is confined to Hoy where it is not uncommon in suitable habitat on Cuilags and Ward Hill but nowhere to the south.



Location	Grid Ref	Date	Recorder
Hoy, Nowt Bield	HY2301	17 Sep 1969	Bullard, E.R.
Hoy, Quoyawa	HY235020	Jun 1979	Bullard, E.R.
Hoy, RSPB Reserve	HY2203	20 May 2008	Gurney, M.
Hoy, Lounders Fea	HY208042§	26 Jun 2010	Meek, E.R.

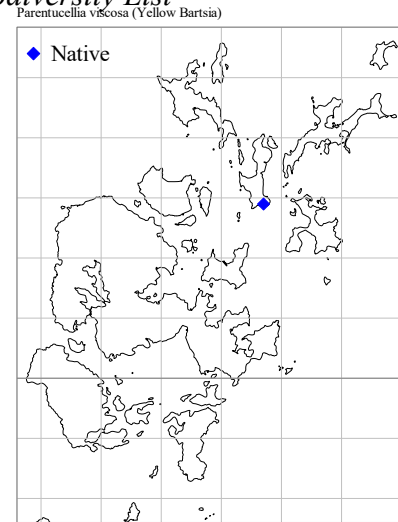
Parentucellia viscosa

Yellow Bartsia

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*

Orkney Status: *Rare*

A hemiparasitic annual of damp, grassy areas on sandy soils. In Scotland, it was considered to be native only in the Glasgow area. However, it has recently been discovered in the Western Isles and it is unclear how it might have been introduced to its one site in Orkney, where it was first noticed in 2009.



Location	Grid Ref	Date	Recorder
Eday, 200 m south of disused quarry	HY561291§	10 Sep 2009	Cockram, M.

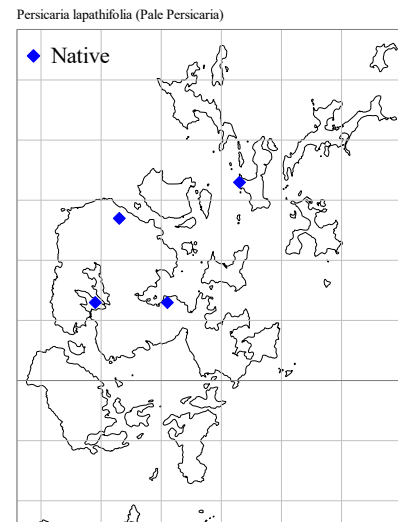
Persicaria lapathifolia

Pale Persicaria

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Scarce*

A native arable weed widely distributed in England and Wales but much less common in Scotland and very rare anywhere north of the Great Glen. In Orkney, in recent times at least, it may always have been introduced amongst the seed for 'bird crops' but it has been given the benefit of the doubt and included here.



Location	Grid Ref	Date	Recorder
Eday, Dale	HY532328§	02 Sep 2009	Meek, E.R.
Evie, Costa, Dale	HY320277§	18 Aug 2004	Crossley, J.E.
St Ola, Quanterness, track north to coast	HY412136	21 Sep 1969	Bullard, E.R.
Stenness, Brodgar RSPB Reserve	HY297132	01 Sep 2010	Meek, E.R.

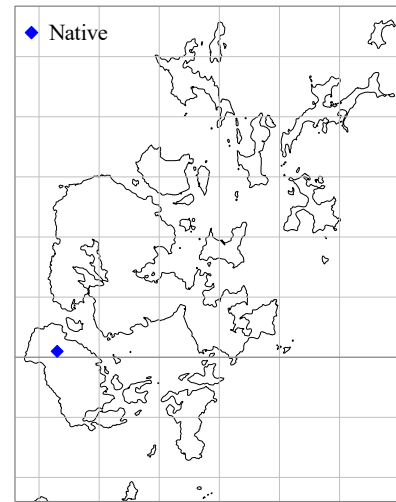
Phegopteris connectilis

Beech Fern

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native fern that has a wide distribution in Scotland, northern England and Wales and which is commonest in ancient woodlands and, in the uplands, amongst boulders and on wet rock faces. In Orkney, a well-known plant persists on the roadside verge at the mouth of the Nowt Bield but the other sites have been searched for and not relocated.

Phegopteris connectilis (Beech Fern)



Site	Grid Ref	Date	Recorder
Hoy, Nowt Bield middle	HY234013	17 Sep 1969	Bullard, E.R.
Hoy, Nowt Bield roadside verge	HY235006§	11 Apr 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Nowt Bield upper end	HY233014	17 Sep 1969	Bullard, E.R.

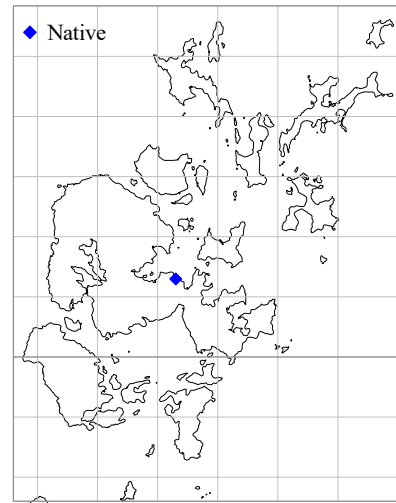
Pimpinella saxifraga

Burnet-saxifrage

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of grassy habitats on well-drained, mainly base-rich soils. In Orkney, now known only from the banks of the Hatston Burn in St Ola.

Pimpinella saxifraga (Burnet-saxifrage)



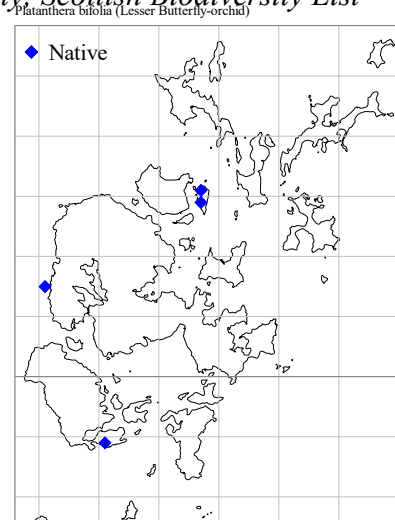
Location	Grid Ref	Date	Recorder
St Ola, Hatston Burn	HY430123§; HY431123§	04 Oct 2013	Crossley, J.E. & Shearer, H.D.H.

Platanthera bifolia

Lesser Butterfly-orchid

National Status: *Not Scarce, IUCN Vulnerable, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Rare*

A native, perennial herb found in a variety of habitats and which has declined considerably across Britain as a whole. In Orkney it has occurred only fleetingly, single plants having been found in Sandwick in 1985, on Egilsay in successive years (1997 & 1998) and in South Walls in 2001.



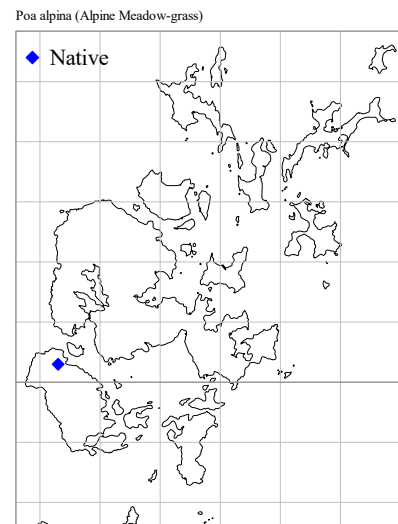
Location	Grid Ref	Date	Recorder
Egilsay, nr Monument	HY474298	28 Jun 1997	Orkney Field Club
Egilsay, nr North Culdigo	HY472300	09 Jun 1998	Carty, P. & H.
Sandwick, coast between Kaellan Helliar & Harra Ebb	HY219147	30 Jun 1985	Booth, C.J. & J.
South Walls, Hill of White Hamars	ND38E	08 Jul 2001	Ribbands, J.B.

Poa alpina

Alpine Meadow-grass

National Status: *Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of damp mountain rock faces. The species was found in Orkney in 1963 and is still extant in its only site, the corrie of Quoyawa on Hoy.



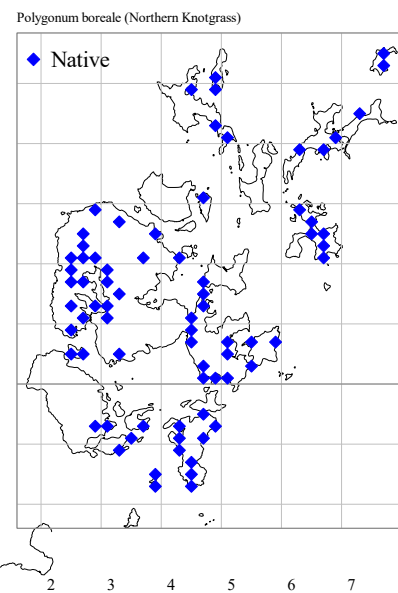
Location	Grid Ref	Date	Recorder
Hoy, Ward Hill, Quoyawa,	HY236021	01 Aug 2010	Meek, E.R.

Polygonum boreale

Northern Knot-grass

National Status: *Scarce*, IUCN *Least Concern*
 Orkney Status: *Not Scarce*

A native, annual, arable weed also found in uncultivated, disturbed habitats. The 'New Atlas' states that *P. boreale* replaces *P. aviculare* and *P. arenastrum* in Orkney, but actually both these species also occur in the islands. Within Britain, *P. boreale* is purely a Scottish species and, other than in Orkney and Shetland, is confined to coastal areas. In Orkney, it is widely distributed throughout the Mainland and has been recorded on most other inhabited islands. The only uninhabited island where it has been found is Swona. Because of the number of records these are mapped rather than listed.



Polygonum oxyspermum

Ray's Knot-grass

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Rare*

A native, prostrate perennial that grows on sand and shingle shores. It has a mainly western and southern, coastal distribution in Britain, is very scarce in northern Scotland and has not been recorded from Shetland. As a 1933 record from Copinsay is now considered to be unconfirmed, the first Orkney record dates from 2006 when it was discovered at Birsay Bay. It appears to have spread from its original site at the burn mouth, south along much of the bay although its numbers vary greatly from year to year. This remains its only known site in the islands. The subspecies has recently been confirmed as *raii*.



Location	Grid Ref	Date	Recorder
Birsay, beach & links	HY245270§	06 Sep 2009	Meek, E.R.

Polystichum aculeatum

Hard Shield-fern

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

This native, evergreen fern characteristic of mountain gorges but also found in a variety of shaded habitats – has a wide distribution almost throughout Britain. However, there is only a single site in Orkney where it is believed to be native; the Kirk Burn, a wooded gully near The Bu, Hoy. Other records in policy woodlands in Evie, Firth and Orphir are believed to refer to introductions.



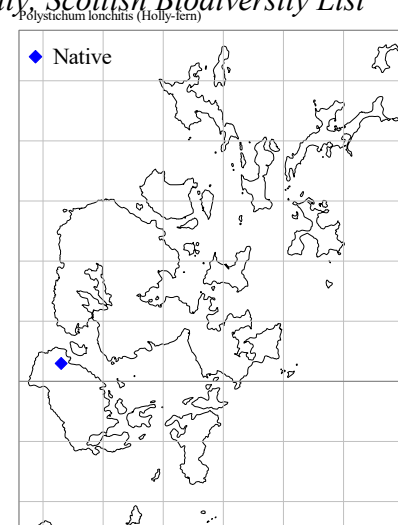
Locations	Grid Ref	Date	Recorder
Hoy, Kirk Burn (Bu of Hoy)	HY233046	10 Jun 1993	Prescott, T.

Polystichum lonchitis

Holly Fern

National Status: *Not Scarce, IUCN Vulnerable, UK BAP Priority, Scottish Biodiversity List*
 Orkney Status: *Rare*

A native, evergreen fern of lime-rich areas in the uplands, usually found above 600 metres. In Orkney it has long been known from a single extended site from the corrie of Quoyawa to Glen of the Horn on Hoy's Ward Hill at an altitude of some 300 metres.



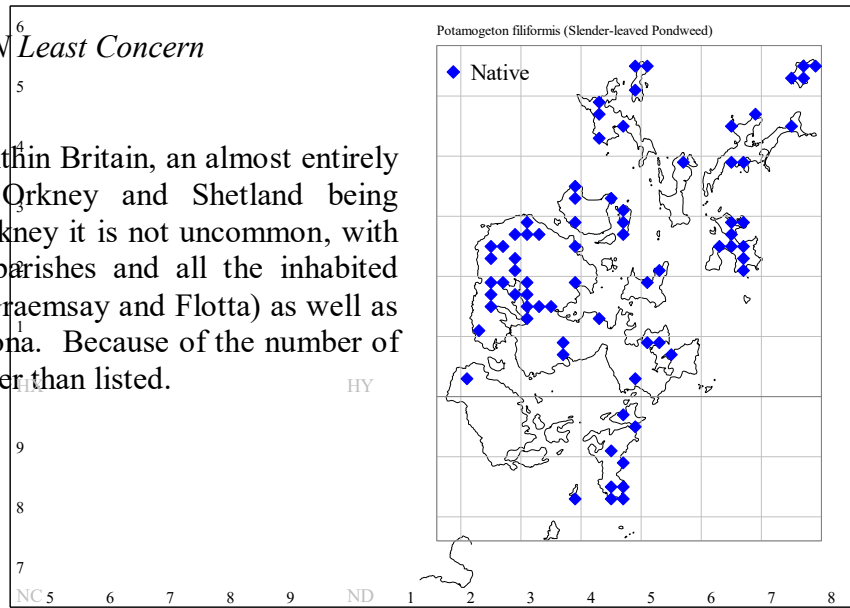
Location	Grid Ref	Date	Recorder
Hoy, Quoyawa, east gully	HY236020	Jun 1979	Bullard, E.R.
Hoy, Quoyawa, mid gully	HY235020	Jun 1979	Bullard, E.R.
Hoy, Ward Hill, between Quoyawa and Glen of the Horn	HY2302	17 Aug 1990	Meek, E.R. and Fairclough, K.
Hoy, Ward Hill, Quoyawa,	HY234020	23 Jul 1974	Bullard, E.R.

Potamogeton filiformis

Slender-leaved Pondweed

National Status: *Scarce*, IUCN *Least Concern*
 Orkney Status: *Not Scarce*

This native pondweed has, within Britain, an almost entirely Scottish distribution, with Orkney and Shetland being particular strongholds. In Orkney it is not uncommon, with records from all Mainland parishes and all the inhabited islands (except Wyre, Hoy, Graemsay and Flotta) as well as the uninhabited island of Swona. Because of the number of records these are mapped rather than listed.

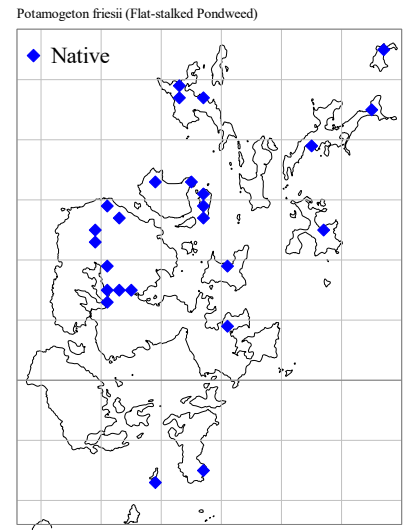


Potamogeton friesii

Flat-stalked Pondweed

National Status: *Scarce*, IUCN *Near Threatened*
 Orkney Status: *Not Scarce*

A native pondweed with a distinctly south-easterly distribution within Britain and decidedly rare in Scotland, though with strongholds in Orkney and the southern part of the Western Isles. In Orkney, it has a more restricted distribution than *P. filiformis* but nevertheless is fairly widespread across the Mainland and the north and south isles.



Location	Grid Ref	Date	Recorder
Birsay, Loch of Sabiston	HY294222	17 Aug 2002	Stewart, N.F. & Everiss, E.
Birsay, Loch of Hundland (S)	HY22X	30 Jul 2010	Meek, E.R.
Birsay, Loch of Swannay, N end	HY305296	19 Sep 2006	Everiss, E.
Egilsay, Loch of the Graand	HY473271	06 Sep 1963	Bullard, E.R.
Egilsay, Manse Loch	HY477297	17 Aug 1994	Charter, E.
Egilsay, Loch of Weyland	HY4731	06 Oct 1994	Stewart, N.
Evie, Peerie Water	HY3327	16 Aug 2010	Stewart, N.F. & Everiss, E.
Firth, Loch of Wasdale	HY342152	17 Aug 2002	Stewart, N.
Harray, Loch of Bosquoy	HY305189	27 Aug 1996	Crossley, J.E.
Harray, nr Rosebank	HY335159	06 Sep 2006	Everiss, E.
Harray, Loch of Harray, Quoyer picnic site	HY3113	06 Sep 2006	Everiss, E. & Tateson, G.
North Ronaldsay, Garso	HY772554	15 Sep 1986	NCC Loch Survey
Rousay, Loch of Scockness	HY4432	06 Oct 1994	Stewart, N.
Rousay, Loch of Wasbister	HY394334	18 Aug 1963	Bullard, E.R.
Sanday, Cross, Kettletoft to Backaskaill	HY63P	11 Jul 1988	Bullard, E.R. & Turner, C.
Sanday, Loch of Rummie	HY7544	03 Oct 1994	Stewart, N.
Sanday, Loch of the Riv	HY6846	03 Oct 1994	Stewart, N.
Sanday, North Loch	HY753457	07 Aug 1965	Bullard, E.R.
Shapinsay, Lair Water	HY51E	05 Aug 1993	Charter, E.
South Ronaldsay, Trena Loch	ND465851	14 Oct 1980	Bullard, E.R.
Stronsay, Meikle Water	HY665245	20 Aug 1986	NCC Loch Survey
Swona	ND38W	Sep 1996	Charter, E.
Westray, Loch of Burness	HY429481	09 Sep 1986	NCC Loch Survey
Westray, Loch Saintear (centroid)	HY437475	1986	Charter, E.
Westray, Loch of Swartmill	HY479460	12 Sep 1996	Crossley, J.E.

Potamogeton lucens

Shining Pondweed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

Another native pondweed, this with a markedly south-eastern distribution within Britain, Orkney being the only recent locality for the species north of Argyll. The Orkney station is the Muckle Water on Rousay, a large mesotrophic loch, the size of which means that the washed-up material occurs in three separate hectads. *Potamogeton x angustifolius*, the hybrid between *P. lucens* and *P. gramineus*, also occurs in the Muckle Water, again its only Orkney site.

Potamogeton lucens (Shining Pondweed)



Location	Grid Ref	Date	Recorder
Rousay, Ward Hill	HY32Z	14 Aug 2005	Meek, E.R.
Rousay, Muckle Water (centroid)	HY393301	Aug 1992	Charter, E.
Rousay, north end Muckle Water	HY33V	16 Jul 1992	Bullard, E.R.

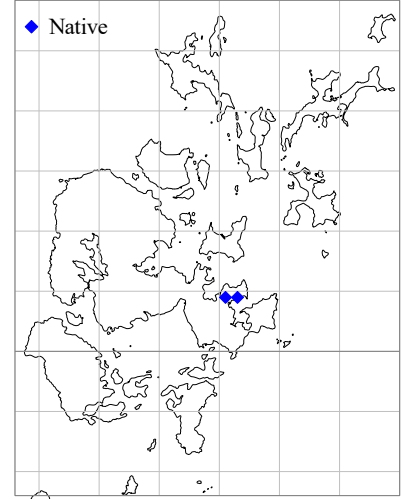
Potamogeton praelongus

Long-stalked Pondweed

National Status: *Not Scarce, IUCN Near Threatened*
 Orkney Status: *Rare*

A native pondweed species whose distribution within Britain is concentrated in Scotland north of the Highland boundary fault. It favours deeper water than most others. In Orkney, it has been known from its only site, the Loch of Tankerness, since 1911.

Potamogeton praelongus (Long-stalked Pondweed)



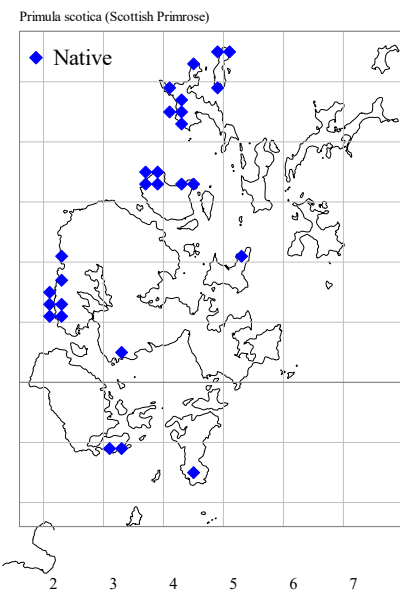
Location	Grid Ref	Date	Recorder
Tankerness, Loch of Tankerness	HY5209	18 Aug 2002	Stewart, N.F. & Everiss, E.
Tankerness, Loch of Tankerness	HY516096	25 Nov 2009	Meek, E.R.

Primula scotica

Scottish Primrose

National Status: *Scarce, IUCN Least Concern, Scottish Biodiversity List*Orkney Status: *Not Scarce*

Arguably Orkney's most iconic species, this native perennial herb is endemic to Orkney and the coasts of Caithness and Sutherland. On the Orkney Mainland, almost all sites are now found on the west coast between Black Craig in the south and Hill of Borwick in the north with an outlier to the north of the Bay of Skail. Elsewhere, it is found on Westray, Papa Westray, Rousay and South Walls. The transition zone between maritime heath and grassland is the usual habitat, machair/links being the exception at Moclett, Papa Westray. In the past, several colonies existed further inland including one near the Stones of Stenness, while there were others in Orphir and Tankerness, but agricultural development has resulted in their loss. The small Moclett colony has not been seen since 2004 and is probably lost, but equally, a hitherto unknown site near Skatequoy, Rousay was recently discovered.

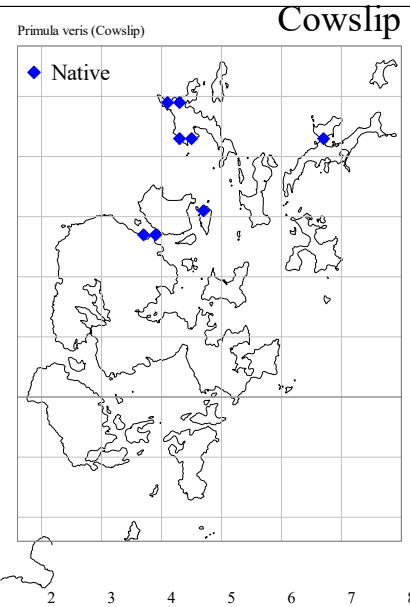


Location	Grid Ref	Date	Recorder
Orphir, Hill of Midland	HY322047	1965	Bullard, E.R.
Papa Westray, Moclett Links	HY493497§	21 Aug 2004	Meek, E.R.
Papa Westray, North Hill (centroid)	HY501549	1991	Prosser, M. & Wallace, H.
Papa Westray, Sheephight	HY499498	15 Aug 1977	Bullard, E.R.
Rousay, Brae of Moan	HY376333§	24 Jul 2012	Crossley, J. E.
Rousay, Brings, near Kilns of Brenovan	HY384348	15 Aug 1992	BSBI Field Meeting
Rousay, coast NE of Skatequoy	HY394346§	24 May 2014	Crossley, J.E.
Rousay, Faraclett Head	HY444334§	28 Jul 2014	Crossley, J.E.
Rousay, Sacquoy	HY385350§	19 Jul 2007	Churchill, G. & SNH surveyors
Rousay, Swandale	HY433324	1977	Bullard, E.R.
Sandwick, Bay of Skail	HY230215	23 Aug 2008	Booth, C.J.
Sandwick, Hill of Borwick	HY2216	03 Jul 2012	Meek, E.R.
Sandwick, S of Inganess	HY219146§	29 Jun 2011	Booth, C.J.
Sandwick, Yesnaby road	HY222160§	28 Jul 2008	Crossley, J.E.
Shapinsay, Rams Geo	HY539203	1960	Bullard, E.R.
South Ronaldsay, Brough	ND445855	04 Sep 1965	Bullard, E.R.
South Walls, Hill of the White Hamars	ND313885	11 Aug 2010	Everiss, E. & U3A Botanical Group
South Walls, near gloup S of Snelsetter	ND335887	Jun 1977	Bullard, E.R.
Stromness, Eastalet	HY221122	25 Sep 1997	Eggeling, T.
Stromness, Black Craig	HY220111§	12 Aug 2002	Orkney Field Club
Stromness, Peerie Hill	HY238128	1970	Bullard, E.R.
Westray, West Kirbist	HY424439	15 Aug 2002	Leather, M.
Westray, Skea Hill, W of summit	HY418441§	Aug 2004	Leather, M.
Westray, Aikerness	HY451523	30 Jul 2011	Leather, D. & M.
Westray, field at Noup Farm	HY415491§	06 Aug 2011	Leather, D. & M.
Westray, Fitty Hill south slopes	HY428447	15 Jun 2005	Crossley, J.E.
Westray, Langskaill, Westside	HY437422	01 Aug 2011	Leather, D. & M.
Westray, north side of Fitty Hill	HY431452	26 Aug 2013	Leather, D. & M.
Westray, Skea Hill	HY419440§	26 Aug 2013	Leather, D. & M.
Westray, W of Gallo Hill	HY422461	Sep 1991	McTeague, E.
Westray, W of Pharays Park	HY422465	Sep 1991	McTeague, E.

Primula veris

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of well-drained, herb-rich grasslands with a mainly English and south-east Scottish distribution, extending north up the Scottish east coast as far as the Fraserburgh area. Further north it is unknown until it occurs again on the Caithness and Sutherland coast and then in a small number of sites in Orkney. Within Orkney, there is no reason to think it is not native at most of its stations, in Westray (its Orkney stronghold), Sanday, Egilsay and on the aeolianite at Aikerness, Evie. It is certainly planted at Davie's Brig, Firth and at Nether Stove in Deerness.



Location	Grid Ref	Date	Recorder
Egilsay, between Watten and Grugar	HY475308	09 Jun 1998	Carty, P. & H.
Evie, Aikerness aeolianite	HY379263	03 Jul 2005	BSBI/Muscott, J.
Evie, Aikerness, near Broch	HY381267	02 Jun 2005	Ribbands, J.B.
Evie, Broch of Gurness, beach NW side	HY384267	02 Jun 2005	Ribbands, J.B.
Sanday, Roadside	HY668427	20 May 2008	Crossley, J.E.
Westray, Couter's Hill, Noup	HY414486	28 May 1993	Charter, E.
Westray, Cross Kirk kirkyard	HY455431	27 May 2013	Leather, D. & M.
Westray, Mae Sand links	HY443430§	30 May 2013	Crossley, J.E.
Westray, near golf course	HY433487	30 May 2013	Crossley, J.E.
Westray, south of Langskaill	HY439422§	30 May 2013	Crossley, J.E.

Pseudorchis albida

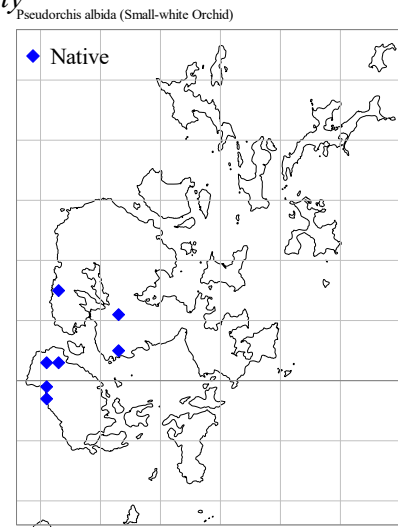
Small White Orchid

International Status: *CITES Annex B*

National Status: *Not Scarce, IUCN Vulnerable, UK BAP Priority*

Orkney Status: *Scarce*

A native, perennial herb with a scattered distribution, mainly north of the Highland boundary fault and which has undergone major declines. In Orkney, sites are on well-drained heathland with some openings among short dwarf-shrubs and on steep unstable slopes. As elsewhere, it has disappeared from some sites, for example in Orphir and Stenness, and is currently known from only one locality on the Mainland and four on Hoy.



Location	Grid Ref	Date	Recorder
Hoy, Rackwick	ND211986	03 Jun 2002	Booth, C.J. & J.
Hoy, Moaness to Sandy Loch road	HY227035§	18 Jul 2012	Meek, E.R.
Hoy, Rackwick, between Craig Gate and Runcigill	ND210983§	04 Jul 2011	Crossley, J.E.
Hoy, west of Round Hill	HY218037§	01 Jul 2011	Crossley, J.E.
Orphir, Quoyclarks	HY325048	09 Jun 1971	Bullard, E.R.
Sandwick, Yesnaby road	HY238151§	25 Jun 2009	Skene, C. & A.
Stenness, Russadale	HY331103	1999	Meek, E. R.

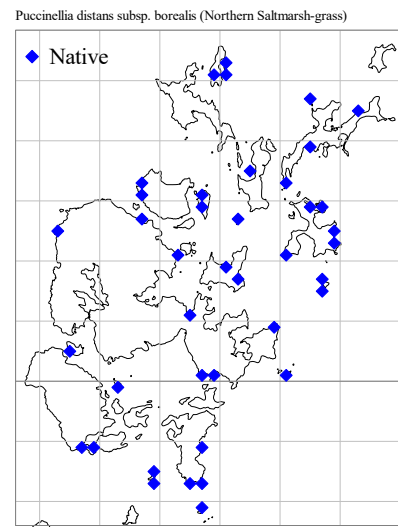
Puccinellia distans subsp. borealis

Northern Saltmarsh-grass

National Status: *Scarce, IUCN Least Concern*

Orkney Status: *Not Scarce*

A native, perennial grass with a wholly Scottish distribution, mainly on the east coast, Orkney and Shetland. In Orkney it grows on rocks and man-made structures, especially piers and slipways. It occurs in over 30 localities throughout the north and south isles (especially on smaller, uninhabited islands) and in several localities on the Mainland. Because of the number of records these are mapped rather than listed.

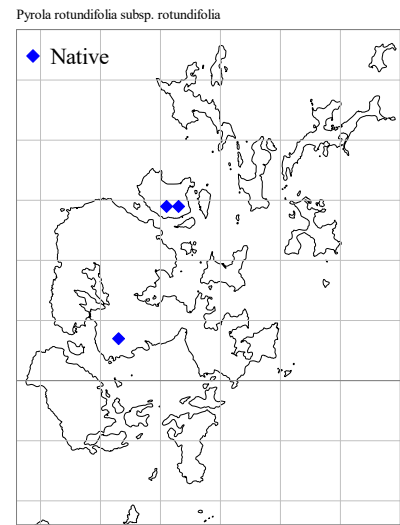


Pyrola rotundifolia subsp. rotundifolia

Round-leaved Wintergreen

National Status: *Scarce*, IUCN *Near Threatened*
 Orkney Status: *Rare*

A native, evergreen, perennial herb, very thinly scattered throughout Britain but with something of a stronghold in the Scottish Highlands. It has declined markedly and this decline has been reflected in Orkney so that it is now known only from its Rousay station with previous sites on Hoy and on the Mainland believed to be extinct. The Rousay colony extends patchily on blanket bog, from the Goukheads in the west to the Moss of Sheepal in the east.



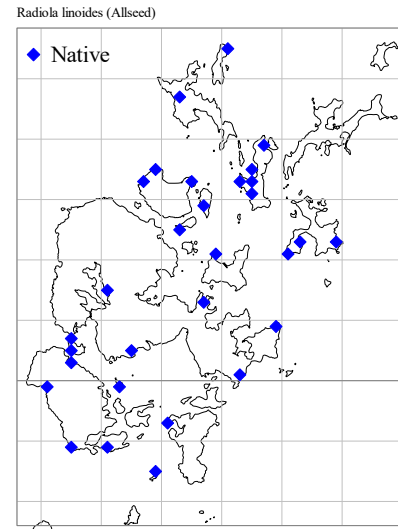
Location	Grid Ref	Date	Recorder
Orphir, Ward Hill (SW)	HY327077	08 Jul 1969	Balfour, E
Rousay, Blotchnie Fiold north side	HY416296	May 1995	Cadbury, J
Rousay, Blotchnie Fiold north side	HY413295§; HY415298§; HY419297§	18 Jun 2004	SNH monitoring team
Rousay, Blotchnie Fiold north side	HY415294	13 Jun 2006	Ribbands, J.B.
Rousay, Blotchnie Fiold, north side	HY414298§	29 Aug 2012	Loizou, T.
Rousay, Goukheads, Rousay	HY409299; HY411299	20 Jul 1987	Reynolds, P.
Rousay, Moss of Sheepal	HY421297	24 Jul 1962	Bullard, E.R.
Rousay, Moss of Sheepal	HY416299§	21 May 2009	Meek, E.R.

Radiola linoides

Allseed

National Status: *Not Scarce*; IUCN *Near Threatened*
 Orkney Status: *Not Scarce*

A native, annual herb of bare, damp, infertile, peaty ground. In Scotland it has a scattered distribution mainly in the west and north. In Orkney but widely distributed but perhaps declining in recent years. It is notably absent from Sanday, presumably due to lack of habitat, while on the Mainland it is missing from many parishes for no obvious reason.



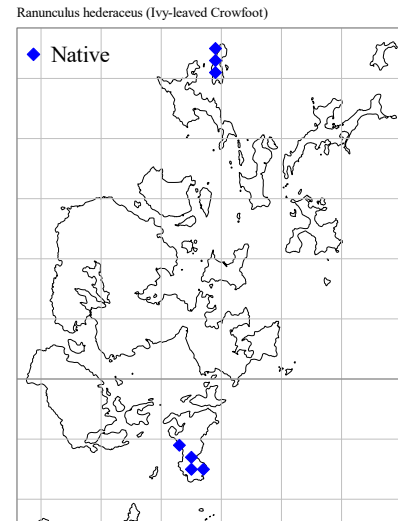
Location	Grid Ref	Date	Recorder
Cava (centroid)	ND328995	09 Aug 2009	Crossley, J.E.
Eday, Newbigging	HY5431	17 Aug 2005	Meek, E.R.
Eday, Vinguoy & Carrick	HY53U	01 Jul 2009	Meek, E.R.
Egilsay, nr Warsett	HY470293	17 Aug 1994	Charter, E.
Graemsay, East Hill	HY248064§	14 Aug 2008	Crossley, J.E.
Harray, Harray Loch, Long Holm	HY307141	1985	Shearer, H.D.H.
Holm, Notster	HY537011	22 Aug 2004	Meek, E.R.
Hoy, Quoyness	HY2502	29 Aug 2000	Thompson, B.
Hoy, Rackwick, dune slack area	ND29E	01 Aug 2010	BSBI/Crossley, J.E.
North Walls, towards Tor Ness peat cuttings W of Melsetter	ND2588	2001	Meek, E.R.
Orphir, Toyness	HY355042	16 Jul 1994	Crossley, J.E.
Papa Westray, North Hill (centroid)	HY501549	15 Aug 1997	Bullard, E.R.
Rousay, Faraclett Head	HY4433	18 Jul 2012	Crossley, J.E.
Rousay, Horse Brae	HY33X	04 Jul 2005	BSBI/Meek, E.R.
Rousay, Quendal	HY33R	09 Aug 2012	Crossley, J.E.
Shapinsay, The Galt	HY485213	23 Aug 1975	Bullard, E.R.
South Ronaldsay, The Bu, Uppertown	ND406934	20 Sep 1997	Bullard, E.R.
South Walls, Hill of White Hamars	ND313885	11 Aug 2010	Everiss, E. & U3A Botanical group
St Ola, Head of Work	HY4713	1998	Shearer, H.D.H.
Stronsay, Commons and Kirbuster shore	HY6823	25 Jul 2006	Crossley, J.E.
Stronsay, N E Rothiesholm	HY62G	1974	Bullard, E.R.
Stronsay, Rothiesholm (centroid)	HY6121	19 Aug 2008	Crossley, J.E.
Swona	ND38X	22 Sep 1963	Bullard, E.R.
Westray, Gallo Hill quarries	HY432462§	10 Jul 2009	Everiss, E.
Wyre, all island	HY42	06 Aug 2005	Orkney Field Club

Ranunculus hederaceus

Ivy-leaved Water-crowfoot

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native annual or short-lived perennial whose preferred habitat is the cattle-poached edges of lochs and burns. It has a wide distribution within Britain but is more or less absent from the Central and North-west Highlands. In Orkney it is confined to two islands, Papa Westray and South Ronaldsay, but is known from a number of sites on each.



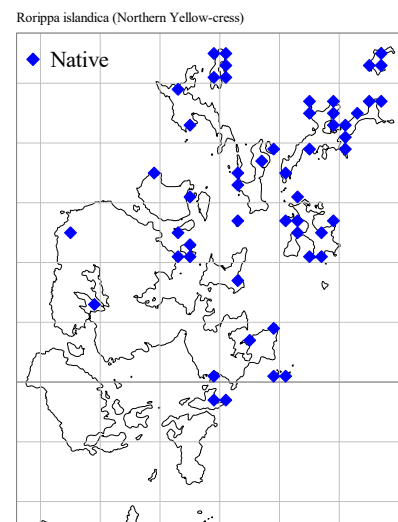
Location	Grid Ref	Date	Recorder
Papa Westray, North Via	HY497532	12 Sept 1986	NCC Loch Survey
Papa Westray, Loch of Hyndgreenie	HY497540	12 Sept 1986	NCC Loch Survey
Papa Westray, nr Knap of Howan	HY484519	12 Sept 1994	Crossley, J.E.
Papa Westray, Backaskaill	HY485509	09 July 2005	Meek, E.R.
Papa Westray, Gowrie	HY496538	31 May 2014	Meek, E.R.
Papa Westray, Holland	HY4851	09 July 2005	Meek, E.R.
Papa Westray, Loch of St Tredwell	HY4950	21 Aug 2004	Meek, E.R.
Papa Westray, Near Whitehowe	HY484504	09 July 2005	Meek, E.R.
South Ronaldsay, Gairy Loch	ND469855	07 Nov 1986	NCC Loch Survey
South Ronaldsay, Burwick	ND443846	1968	Bullard, E.R.
South Ronaldsay, Halcro	ND463857	18 Jun 1995	Crossley, J.E.
South Ronaldsay, North Flaws	ND460858	2001	Crossley, J.E.
South Ronaldsay, Sandwick	ND434893	21 Jul 2014	BSBI/Crossley, J.E
South Ronaldsay, South Parish, Blows Moss	ND4586	18 Aug 1993	Charter, E.

Rorippa islandica

Northern Yellow-cress

National Status: *Scarce, IUCN Least Concern*
 Orkney Status: *Not Scarce*

A native, annual or short-lived perennial herb with a very restricted distribution in Britain, within Scotland vitually confined to a small part of Argyll and to Orkney. Once considered to be Nationally Rare, more sites have now been discovered and its status is now considered to be Nationally Scarce. In Orkney, it is characteristically a plant of ‘pans’ (winter-flooded depressions) near the coast and is almost always found in association with the *Gnaphalium uliginosum* (Marsh Cudweed). Within Orkney it has a markedly north-eastern distribution and is frequent in the north isles, including a number of uninhabited ones. On the Mainland it is known from Deerness and Holm in the east, with rare western outliers in Birsay and Stenness. Because of the number of records, especially in the north isles, the records are mapped rather than listed.

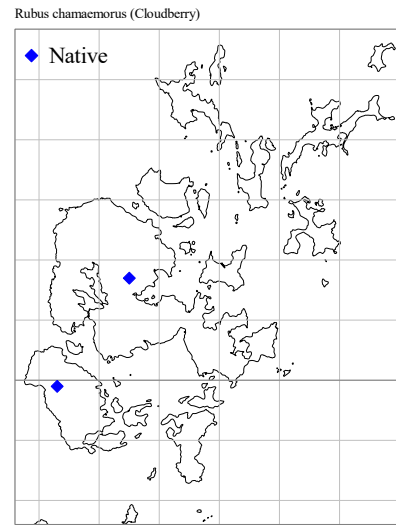


Rubus chamaemorus

Cloudberry

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, deciduous herb of wet peats on moorland and blanket mire, this species is widespread throughout the uplands of Scotland and northern England. There are only two known sites in Orkney. That in the Rendall hills was found in the 1940s then 'lost' until 2006 when rediscovered by members of the Orkney Field Club who were specifically searching for it. That on Hoy was found in 1963 during a BSBI Field Trip and has been visited frequently since.



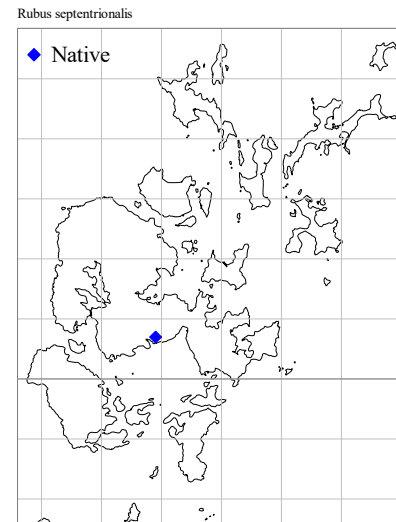
Location	Grid Ref	Date	Recorder
Firth, Rowamo	HY354169§	13 Sep 2009	Meek, E.R.
Hoy, Trowieglen	ND239989§	25 Aug 2009	Jones, B.

Rubus septentrionalis

A bramble

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native bramble with records in Caithness and Sutherland. The only Orkney record is from Waulkmill Bay, Orphir where it was identified in 2001 but may have been present but recorded only as *R. fruticosus* agg. since the 1970s.



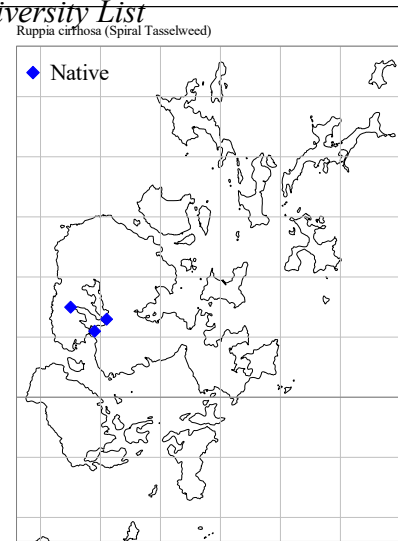
Location	Grid Ref	Date	Recorder
Orphir, Waulkmill Bay	HY3806	2001	Newton, A.

Ruppia cirrhosa

Spiral Tasselweed

National Status: *Scarce, IUCN Near Threatened, Scottish Biodiversity List*
 Orkney Status: *Rare*

A native, perennial, aquatic plant of brackish waters that, within Britain, is found predominantly on the coasts of southern and eastern England north to the Humber estuary. In Scotland, it is currently found only in the Western Isles, Orkney and Shetland. In Orkney, it is known only from several sites around the Loch of Stenness; it has not been found at its Loch of Carness station since the 1920s.



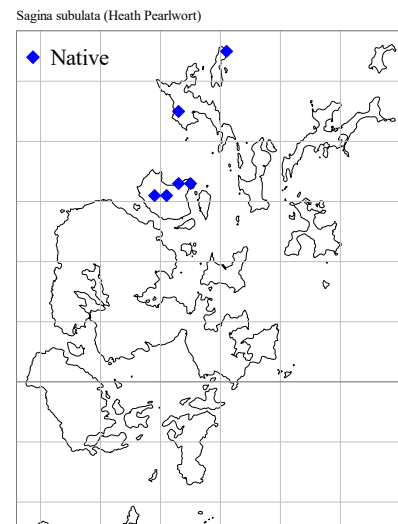
Location	Grid Ref	Date	Recorder
Sandwick, Loch of Stenness near Voy	HY255150	17 Aug 2002	Meek, E.R. & Orkney Field Club
Stenness, Bridge of Brodgar	HY304126	13 Aug 1980	Bullard, E.R.
Stenness, Loch of Stenness	HY306121	06 Aug 2003	Meek, E.R.
Stenness, Loch of Stenness, nr Nether Bigging	HY3011	02 Oct 1994	Stewart, N.
Stenness, Loch of Stenness at Brig of Waithe	HY282115	04 Sep 1990	Shearer, H.D.H.
Stenness, Loch of Stenness, W of Nether Bigging	HY298119	02 Oct 1994	Stewart, N.

Sagina subulata

Heath Pearlwort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of dry, sandy or gravelly habitats with a predominantly westerly distribution in England and Wales. In Scotland it is more widely distributed and it is widespread in Shetland. In Orkney, however, it has been found only on Westray, Papa Westray and Rousay.



Location	Grid Ref	Date	Recorder
Papa Westray, North Hill (centroid)	HY501549	15 Aug 1997	Bullard, E.R.
Rousay, Kierfea	HY422321	04 Jul 2005	Ribbands, J.B., McIntosh, J. & Meek, E.R.
Rousay, Mansemass Hill / Moolie	HY382314	16 Jul 1992	Bullard, E.R.
Rousay, Faraclett Head	HY445332	14 Aug 1992	Bullard, E.R., Farrell, L. <i>et al.</i>
Rousay, Moss of Catagreen	HY402315§	29 Jul 2004	Meek, E.R.
Westray, Fitty Hill	HY431442	15 Jun 2005	Crossley, J.E.

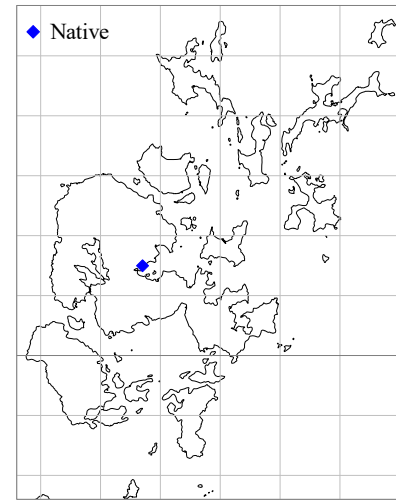
Salicornia emerici

Shiny Glasswort

National Status: *Rare, IUCN Data Deficient*
 Orkney Status: *Rare / Data Deficient*

The Genus *Salicornia* is a difficult group of saltmarsh plants, the taxonomy of which has changed considerably over the years. *S. emerici* (previously *S. nitens*) is a native annual of the middle and upper reaches of saltmarshes, especially on bare mud. Because of the difficulties of identification, it is listed nationally as 'Data Deficient' but Stace (2010) considers it 'Nationally Rare'. There is only a single record for Orkney (determined by T.G. Tutin) that is in fact the only one for Scotland. However, this may be chiefly because of the difficulty of identification.

Salicornia emerici (Shiny Glasswort)



Location	Grid Ref	Date	Recorder
Firth, Finstown, The Ouse	HY360145	19 Sep 1962	Bullard, E.R.

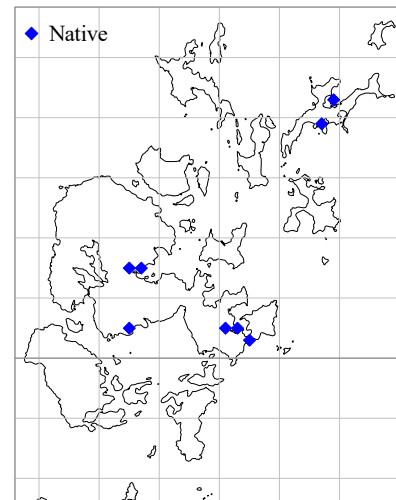
Salicornia europaea agg.

Common Glasswort

National Status: *IUCN not listed*
 Orkney Status: *Scarce*

This aggregate of two native annuals, *S. europaea sens. strict.* and *S. ramosissima* is found at all levels of sandy and muddy saltmarshes and is the most widespread *Salicornia* in Britain as a whole. In Orkney, it has so far been found in four saltmarshes on the Mainland and three on Sanday but it is perhaps under-recorded. There have been less than conclusive identifications of both the segregate species in the list below.

Salicornia europaea agg. (Glasswort)



Location	Grid Ref	Date	Recorder
Deerness, Dingieshowe	HY5403	2006	Bremner, A.
Firth, Finstown, The Ouse (east end)	HY3614	12 Sep 2013	Crossley, J.E.
Firth, Finstown, The Ouse (west end)	HY3514	12 Sep 2013	Crossley, J.E.
Orphir, Swanbister, The Fidge	HY351044	26 Mar 1972	Bullard, E.R.
Sanday, Colli Ness	HY6842	15 Aug 2014	Crossley, J.E.
Sanday, Elsness (north)	HY6738	16 Aug 2013	Crossley, J.E.
Sanday, Little Sea & Silverhall	HY63U	13 Jul 1998	Bullard, E.R. & Turner, C.
St Andrews, Bay of Suckquoy	HY5204	30 Jul 2011	Local BSBI group/Crossley, J.E.
St Andrews, Toab	HY5104	05 Sep 2013	Crossley, J.E.

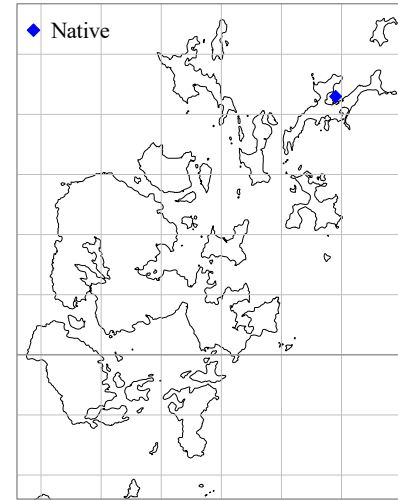
Salicornia ramosissima

Purple Glasswort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare / Data Deficient*

A highly variable native annual of the middle and upper reaches of saltmarshes and part of the *Salicornia europaea* aggregate noted above. So far identified at only one site in Sanday but many of those listed under *S. europaea* agg. may well turn out to be *S. ramosissima*.

Salicornia ramosissima (Purple Glasswort)



Location	Grid Ref	Date	Recorder
Sanday, Black Rock and Cleat, Otterswick	HY698423	30 Jul 1974	Bullard, E.R.

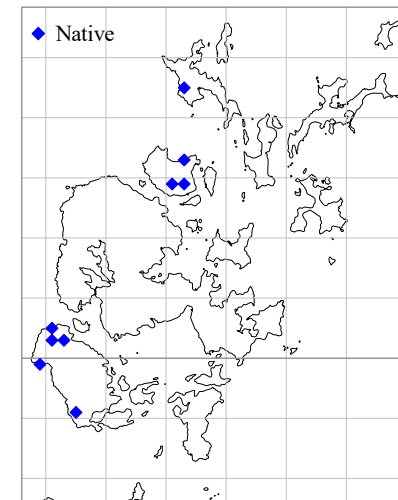
Salix herbacea

Dwarf Willow

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, dwarf shrub found usually in conditions of extreme exposure, well-distributed within Scotland in the central, western and north-west Highlands. In Orkney it is commonest on Hoy, especially in the Cuilags – Ward Hill area but with an outlier in the far south of the island at Little Berry. It is also known from four sites on Rousay but it has not been seen in its Westray station, Fitty Hill, since 1972.

Salix herbacea (Dwarf Willow)



Location	Grid Ref	Date	Recorder
Hoy, Enegars	HY202037	23 Jun 2012	Meek, E.R.
Hoy, RSPB Reserve	HY2203	20 May 2008	Gurney, M.
Hoy, between Hoy Breck and Lenders Dale	HY205045	17 Jun 2000	Shearer, H.D.H. & Orkney Field Club
Hoy, Lounders Fea	HY208043	17 Jun 2000	Shearer, H.D.H. & Orkney Field Club
Hoy, Rackwick, Moorfea	ND1999	02 Jun 2013	Everiss, E.
North Walls, Little Berry	ND246903	13 Jun 1992	Ribbands, J.B.
Rousay, Kierfea	HY422321	04 Jul 2005	Ribbands, J.B., McIntosh, J. & Meek, E.R.
Rousay, Blotchnie Fiold (NW)	HY413289§	15 Jun 2007	Ribbands, J.B.
Rousay, Faraclett Head (W)	HY437330	18 Jul 2012	Crossley, J.E.
Rousay, Knitchen Hill north slope	HY429290§	14 Aug 2005	Meek, E.R.
Westray, Fitty Hill	HY430450	11 Sep 1972	Bullard, E.R.

Salix myrsinites

Whortle-leaved Willow

National Status: *Scarce, IUCN Endangered, UK BAP Priority*
 Orkney Status: *Rare*

A native, low, spreading shrub that grows in moist, base-enriched sites in mountains almost entirely north of the Highland boundary fault. Known since 1883 at its only Orkney station, the Glen of Geor, on the northern face of Ward Hill. The single native plant is female but males from Sutherland have now been introduced close by.

Salix myrsinites (Whortle-leaved Willow)



Location	Grid Ref	Date	Recorder
Hoy, Ward Hill, Glen of Geor	HY225030	2002	Jones, B.

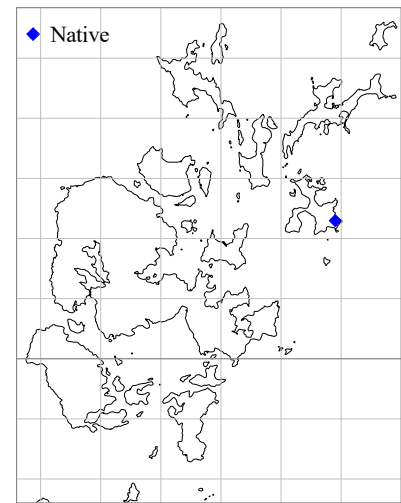
Samolus valerandi

Brookweed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, deciduous, short-lived perennial, of very wet and mainly coastal places, well-distributed in Britain as far north as the Western Isles in the west but not found in the east further north than East Lothian. The single Orkney site, found in 1971 on Stronsay, is therefore well outside its range but the habitat is typical, and there is no reason to believe it is not native. In 2013, 165 plants were counted there.

Samolus valerandi (Brookweed)



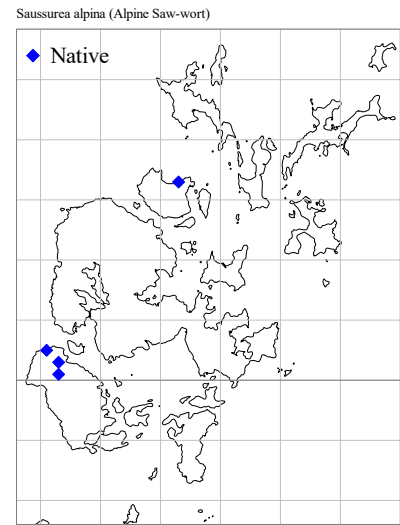
Location	Gridref	Date	Recorder
Stronsay, Cleat	HY692224	11 Jun 1992	Sinclair, J.
Stronsay, Cleat,	HY693224	11 Jul 2012	Meek, E.R.
Stronsay, 1 km SW of Burgh Head	HY690236§; HY691223§; HY691224§	23 Jul 2013	Crossley, J.E. & Macleod, M.

Saussurea alpina

Alpine Saw-wort

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of damp, base-rich cliffs and scree, *Saussurea* has an almost exclusively Scottish distribution within Britain, centred on the central, western and north-western Highlands. In Orkney it is confined to Hoy (gullies on Cuilags and Ward Hill and, in the past, on the Dwarfie Hamars) and to Rousay, where it is found very sparingly on Kierfea Hill.



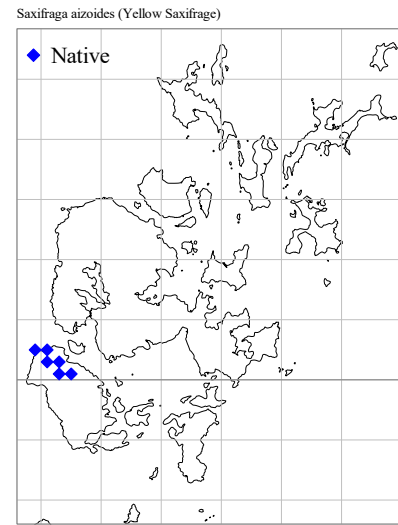
Location	Grid Ref	Date	Recorder
Hoy, Nowt Bield	HY2301	17 Sep 1969	Bullard, E.R.
Hoy, Quoyawa	HY2302	29 Jun 1991	Meek, E.R.
Hoy, Glen of the Horn	HY230028	1990	Meek, E.R.
Hoy, Lounders Fea	HY2004	25 Jun 2010	Orkney Local BSBI Group
Hoy, Ward Hill	HY223013	26 Jul 1993	Booth, C.J. & J.
Rousay, Kierfea	HY422321§	04 Jul 2005	Ribbands, J.B., McIntosh, J. & Meek, E.R.

Saxifraga aizoides

Yellow Saxifrage

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb found by the side of mountain burns and in open, stony flushes. In Britain, it is found in north-west England and in Scotland north of the Highland boundary fault. Its Orkney distribution is confined to Hoy, where it is not uncommon in the gullies of Cuilags and Ward Hill and in flushes in the valley of the South Burn.



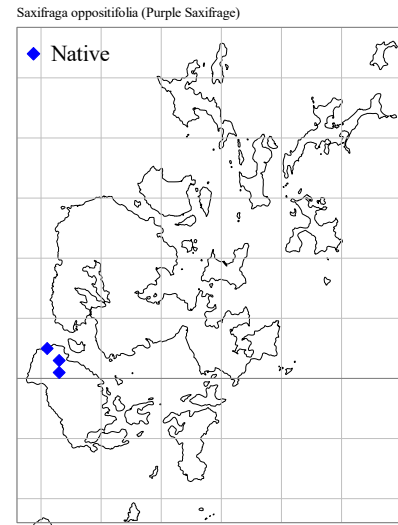
Location	Grid Ref	Date	Recorder
Hoy, between the South Burn and the public road below Trowie Glen	HY234004	08 Sep 1972	Bullard, E.R.
Hoy, Braebuster Burn	HY217036§	10 Jun 2011	Crossley, J.E.
Hoy, Enegars, a little S of aeroplane gully	HY198040	24 May 1972	Bullard, E.R.
Hoy, first gully to west of Quoyawa	HY233028§	12 Apr 2003	Everiss, E. & McCance, R.
Hoy, Lounders Fea	HY2004	25 Jun 2010	Orkney Local BSBI Group
Hoy, Meadow of the Kame	HY2004	23 Jun 2012	Local BSBI group/Crossley, J.E.
Hoy, Nowt Bield area	HY2300	02 Jul 2005	BSBI/Muscott, J.
Hoy, Nowt Bield upper end	HY233014	11 Apr 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Quoyawa, east gully	HY236020	Jun 1979	Bullard, E.R.
Hoy, Skecking Gill	HY210040§	11 Jul 2009	Crossley, J.E.
Hoy, Whaness Burn below plantation	HY245016§	20 Jul 2011	Crossley, J.E.

Saxifraga oppositifolia

Purple Saxifrage

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, mainly prostrate, perennial herb growing on moist but well-drained rocky slopes, ledges and screes, mostly found in Scotland north of the Highland boundary fault. In Orkney, it is found only on Hoy and there only on Cuilags and Ward Hill.



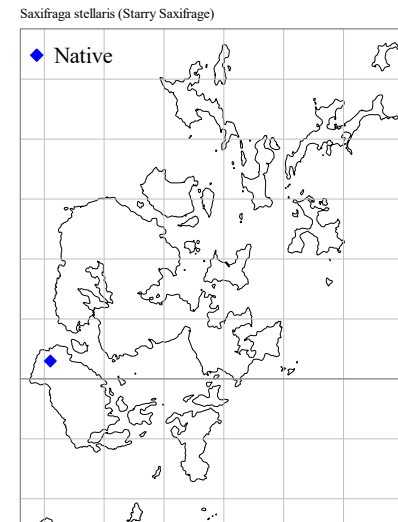
Location	Grid Ref	Date	Recorder
Hoy, Quoyawa	HY235020	Jun 1979	Bullard, E.R.
Hoy, first gully to west of Quoyawa	HY233028§	12 Apr 2003	Everiss, E. & McCance, R.
Hoy, Lounders Fea	HY208042§	26 Jun 2010	Meek, E.R.
Hoy, Nowt Bield upper end	HY233014	11 Apr 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Skecking Gill	HY210041§	26 Jun 2010	Meek, E.R.

Saxifraga stellaris

Starry Saxifrage

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, perennial herb of open, wet flushes and wet rock ledges widely distributed in the hills of north Wales, northern England, the Southern Uplands and the Scottish Highlands. In Orkney, currently known from only one site on Hoy (Enegars) but in the past known from one other site on that island (Craig Gate).



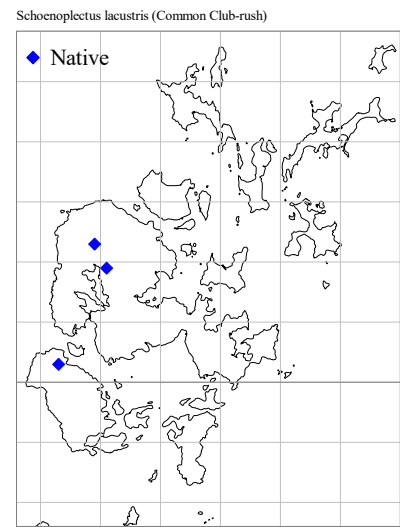
Location	Grid Ref	Date	Recorder
Hoy, Enegars	HY203037§	23 Jun 2012	Meek, E.R.
Hoy, Enegars	HY202036§; HY201036§; HY201037§	06 Jul 2012	Jones, B.

Schoenoplectus lacustris

Common Club-rush

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A tall, native, perennial herb of standing or flowing water with a scattered, mainly western distribution in Scotland. In Orkney it is known only from sites on Hoy and the Mainland.



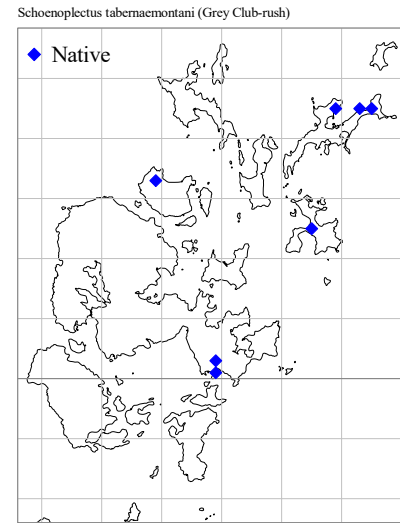
Location	Grid Ref	Date	Recorder
Birsay, Loch of Sabiston	HY293223	12 Aug 1986	NCC Loch Survey
Harray, Loch of Bosquoy	HY3018	20 Aug 2005	Meek, E.R.
Harray, The Shunan	HY306196	04 Sep 1986	NCC Loch Survey
Hoy, old fish pond above Hoy Lodge	HY225036	03 Oct 2010	Crossley, J.E. & Meek, E.R.

Schoenoplectus tabernaemontani

Grey Club-rush

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

Another native, tall, perennial herb but with a marked preference, at least in Scotland, for coastal lochs and marshes. It is thinly scattered around Scottish coasts but is rare north of the Black Isle. In Orkney it is confined to four sites on Sanday, one on Stronsay, one on Rousay and the Graemeshall Loch in the East Mainland.



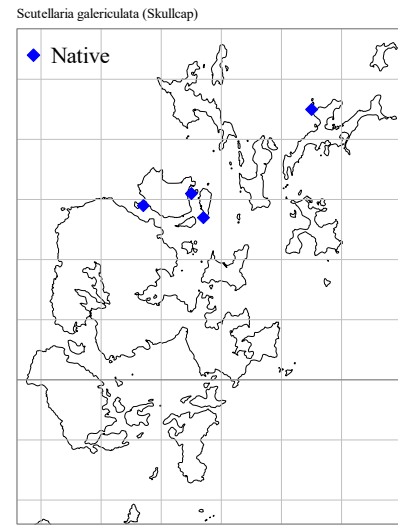
Location	Grid Ref	Date	Recorder
Holm, Loch of Graemeshall	HY4801	03 Aug 2013	Local BSBI group/Crossley, J.E.
Rousay, Loch of Wasbister	HY394334	02 Oct 2013	Crossley, J.E.
Sanday, North Loch	HY753457	03 Sep 1994	Crossley, J.E.
Sanday, East Langamay	HY750444§	24 Jul 2014	Crossley, J.E.
Sanday, Loch of Westayre (centroid)	HY725442	1965	Bullard, E.R.
Sanday, Whitemill, nr Howbell	HY689458§	13 Aug 2010	Crossley, J.E.
Stronsay, Loch of Matpow	HY642250§	30 May 2011	Crossley, J.E.

Scutellaria galericulata

Skullcap

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Rare*

A native, perennial herb usually associated with a wide variety of wetland habitats but which, in Scotland, is often found on boulder beaches. Away from the west coast, it is almost unknown north of Inverness and is not found in Shetland. In Orkney, it is found in boulder beach habitat on four of the north isles, three of them uninhabited, and in the past has also been recorded on North Ronaldsay.



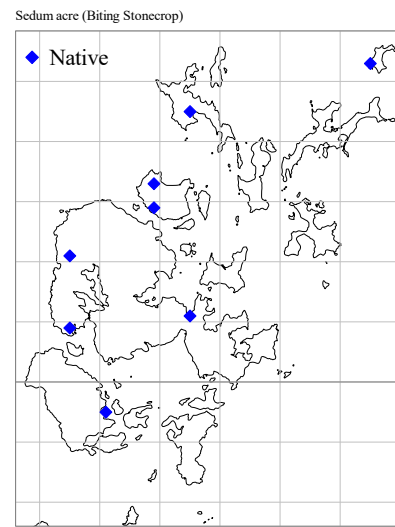
Location	Grid Ref	Date	Recorder
Egilsay, Loch of the Graand	HY473271	1963	Balfour, E.
Eynhallow (centroid)	HY360290	16 Jul 1986	Smith, G.
Rousay, Holm of Scockness	HY457317	15 Jun 1992	Meek, E.R.
Sanday, Holms of Ire, inner holm	HY650459§	15 Aug 2014	Crossley, J.E.

Sedum acre

Biting Stonecrop

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

A perennial herb of dry, open habitats including shingle, sand dunes and cliffs but which is also often found on anthropogenic habitats such as walls and roofs. Widespread in southern Britain but becoming more coastal north of the Great Glen. Native in Britain but hitherto considered an alien in Orkney and Shetland. However, reliable records of it occurring at two sites in natural habitat on Hoy in the 1930s have just been found, indicating that there at least it was native; it may well still be present. There is another record from a natural habitat in South Ronaldsay in 1914, but it is no longer there. Otherwise scarce but widely distributed in Orkney, mostly on man-made structures.



Location	Grid Ref	Date	Recorder
North Ronaldsay, Holland House	HY75L	1995	Gray, M.
North Walls, Lyness	ND39C	24 Aug 2011	Meek, E.R.
Rousay, track from Westness to Peerie Water	HY32Z	14 Aug 1992	BSBI/Muscott, J.
Rousay, Wasbister, Feolquoy area	HY3932	13 Aug 2003	Bullard, E.R.
Sandwick, Cruaday Quarry	HY2421	24 Sep 2005	Meek, E.R.
St Ola, Kirkwall, King St/School Place	HY450109	28 May 2013	Shearer, H.D.H.
St Ola, Kirkwall, Strynd	HY449109	28 May 2013	Shearer, H.D.H.
St Ola, Kirkwall, Victoria Street	HY448106	28 May 2013	Shearer, H.D.H.
Stromness	HY2508	11 May 2014	Crossley, J.E.
Westray, Bay of Tuquoy	HY4545	10 Jun 2009	Meek, E.R.

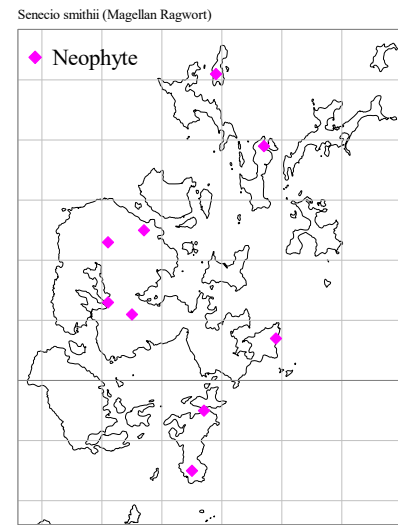
Senecio smithii

Magellan Ragwort

National Status: *IUCN not listed*

Orkney Status: *Scarce*

This tall perennial herb, a striking member of the *Senecio* genus, is a neophyte, included in this register because its British distribution is almost entirely confined to Orkney, Shetland and north-east mainland Scotland, where it has been popularly believed to have arrived on Antarctic whaling ships. It is originally from southern South America, but the evidence is that it was introduced into Britain in 1895. It was first recorded in Orkney in 1931, on Hoy and in Stromness. Often found in seemingly native locations far from habitation, in recent years it has been recorded from five localities in three parishes on the Mainland and from North Ronaldsay, Papa Westray, Eday and South Ronaldsay. It appears not to set seed in Scotland and seems to be declining.



Location	Grid Ref	Date	Recorder
Birsay, Durka Dale	HY308237§	06 Aug 2013	Crossley, J.E.
Burray, behind Sands Hotel	ND473957	30 Aug 2013	Everiss, E. & Mackintosh, S.
Deerness, Sandside	HY5806	19 Apr 2005	Meek, E.R.
Eday, Carrick	HY567383	25 Jul 1998	Mason, P.
Evie, Georth	HY364253	1995	Meek, E.R.
Papa Westray, roadside east of Backaskaill	HY488509	25 Aug 1998	McCance, R.
South Ronaldsay, nr Cleat	ND455846§	19 Jun 2012	Crossley, J.E.
Stenness, Germiston road verge almost opposite Nisthouse	HY346110	18 May 2001	Bullard, E.R.
Stenness, Tormiston Mill	HY319125	05 Jun 2007	Crossley, J.E.

Senecio sylvaticus

Heath Groundsel

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Rare*

A native annual of open habitats, usually growing on sandy, non-calcareous soils. Within Scotland it is decidedly scarce anywhere west and north of the Great Glen and its occurrence in Orkney seems to be erratic. There are pre-1960 records from Birsay, Hoy and Orphir but the only relatively recent record is from Rackwick, Hoy.



Location	Grid Ref	Date	Recorder
Hoy, Rackwick, at bay	ND197990	03 Jul 1991	Thompson, B.

Sherardia arvensis

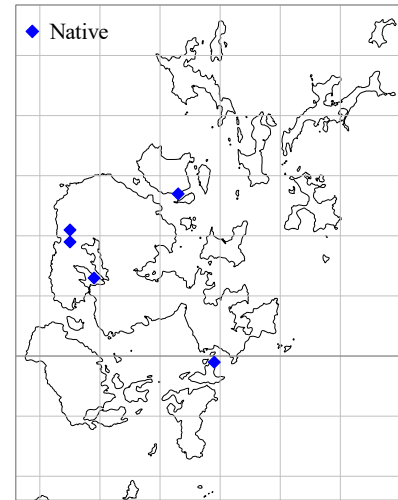
Field Madder

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*

Orkney Status: *Rare*

A native annual of open, mainly lowland habitats and that has declined markedly as a result of modern agricultural practices. Its Scottish distribution is centred on the south-east (the Lothians and Fife) and in the extreme west of Argyllshire; it is rare anywhere north of the Highland boundary fault. In Orkney, as elsewhere, this species is in serious decline having been seen in relatively recent years only on Rousay, Burray and in the Mainland parishes of Sandwick and Stenness.

Sherardia arvensis (Field Madder)



Location	Grid Ref	Date	Recorder
Burray, Burray Haas	ND490988	01 Jun 1997	Charter, E.
Rousay, Trumland field	HY429277	1984	Bullard, E.R.
Sandwick, Howagar	HY246200	07 Jul 2006	Meek, E.R.
Sandwick, Netherstove	HY2419	20 Jul 2006	Meek, E.R.
Stenness, Brodgar RSPB Reserve	HY294135	2012	Moncrieff, M.

Silene acaulis

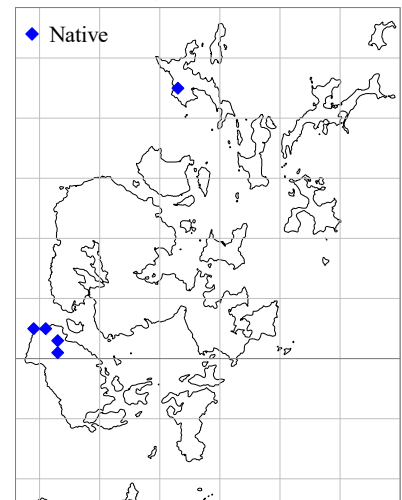
Moss Campion

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Rare*

A native, perennial herb of base-rich substrates, almost entirely confined to Scotland north of the central lowlands. It is characteristic of rock ledges in the Scottish mountains. Although widespread in Shetland, in Orkney it is found only in three extensive sites, two on Hoy and one on Westray.

Silene acaulis (Moss Campion)



Location	Grid Ref	Date	Recorder
Hoy, RSPB Reserve	HY2203	20 May 2008	Gurney, M.
Hoy, Enegars, right-hand gully	HY198041	03 Jul 2012	Jones, B.
Hoy, Lounders Fea	HY2004	25 Jun 2010	Orkney Local BSBI Group
Hoy, Nowt Bield upper end	HY233014	11 Apr 2014	Crossley, J.E. & Ribbands, J.B.
Hoy, Quoyawa	HY235025	25 May 2014	Jones, B.
Hoy, Skecking Gill	HY210040§	11 Jul 2009	Crossley, J.E.
Westray, Fitty Hill	HY44H	10 Jun 2009	Meek, E.R.
Westray, Skea Hill	HY422440	11 Sep 1972	Bullard, E.R.

Sinapis arvensis

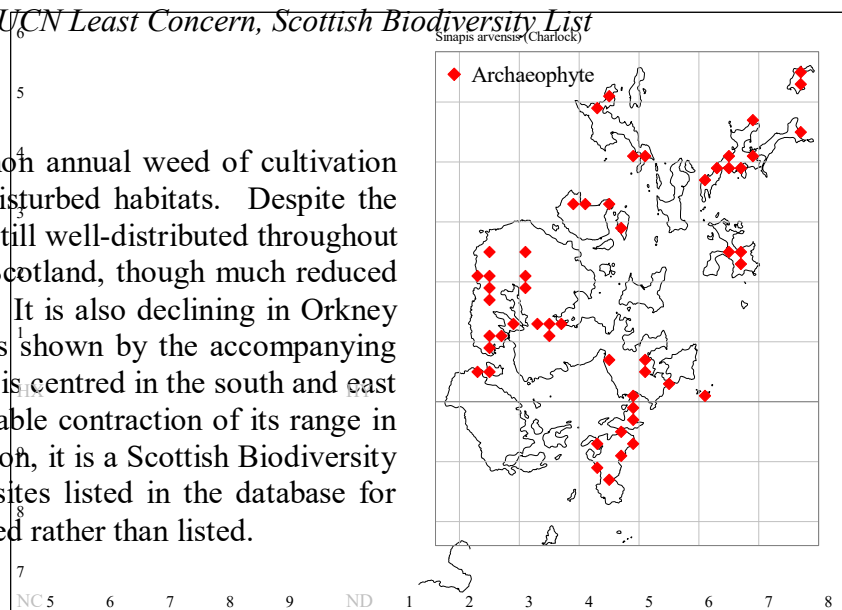
Charlock

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*

Orkney Status: *Not Scarce*

A native, annual, arable weed

This archaeophyte is a common annual weed of cultivation also found in uncultivated, disturbed habitats. Despite the effects of modern farming is still well-distributed throughout England, Wales and eastern Scotland, though much reduced in quantity within that range. It is also declining in Orkney but still relatively common as shown by the accompanying map. Its Scottish distribution is centred in the south and east but there has been a considerable contraction of its range in certain areas and, for this reason, it is a Scottish Biodiversity List species. With over 60 sites listed in the database for Orkney, the records are mapped rather than listed.



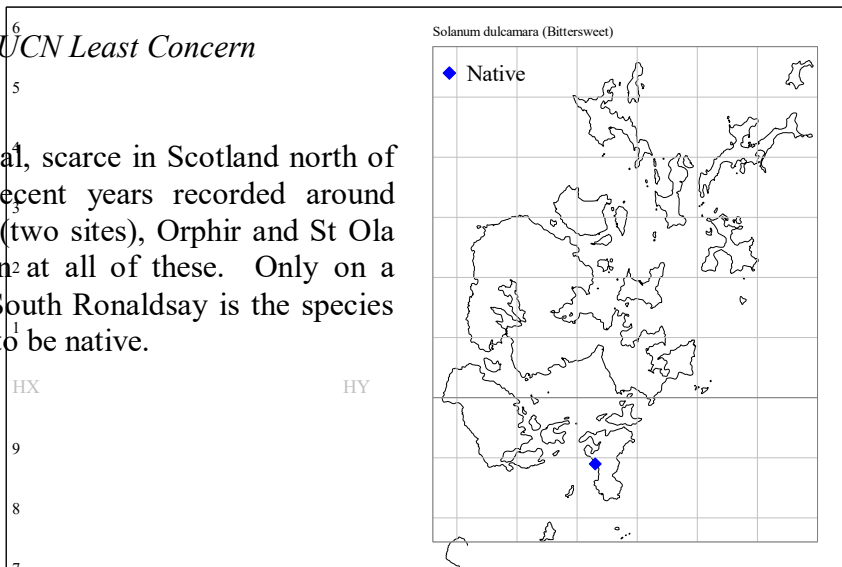
Solanum dulcamara

Bittersweet

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Rare*

A scrambling, woody perennial, scarce in Scotland north of the central lowlands. In recent years recorded around dwellings in Burray, Egilsay (two sites), Orphir and St Ola but considered to be an alien at all of these. Only on a boulder beach at Sandwick, South Ronaldsay is the species thought to have a good claim to be native.



Location	Grid Ref	Date	Recorder
South Ronaldsay, Sandwick	ND434893	20 Jul 2013	Everiss, E. & Mackintosh, S.

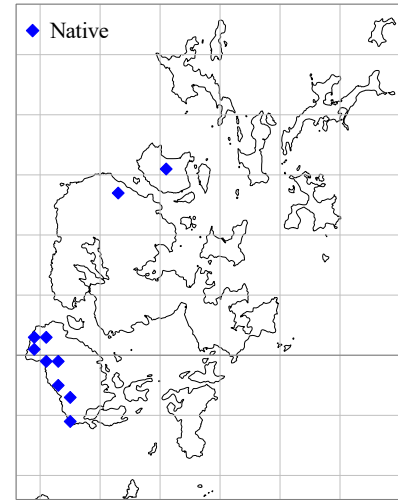
Sparganium angustifolium

Floating Bur-reed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native perennial herb of clear, oligotrophic waters and hence with a distribution more or less confined to Wales, the Lake District and western and northern Scotland. In Orkney, it is found only in such habitats on Hoy and on the Mainland in Evie. Although now known from 14 sites, it is included here because of its great rarity away from Hoy and North Walls.

Sparganium angustifolium (Floating Bur-reed)



Location	Grid Ref	Date	Recorder
Evie, Peerie Water	HY3327	16 Aug 2010	Stewart, N.F. & Everiss, E.
Hoy, Sandy Loch	HY218030	29 Aug 2000	Thompson, B.
Hoy, Hendry's Holes	HY186026	1990	NCC Peatland Survey
Hoy, largest of Sui Fea lochs	HY191015	27 Jul 1970	Bullard, E.R.
Hoy, Loch of Grut Fea,	HY193008	30 Sep 1986	NCC Loch Survey
Hoy, Moss of the Whitstanes pools	ND222995	27 Oct 1976	Bullard, E.R.
Hoy, pools between Mel Fea and Rinnie Gill	ND227980	29 Oct 1976	Bullard, E.R.
Hoy, Rackwick	ND202998	08 Sep 2010	Everiss, E.
North Walls, Heldale Water	ND256924	01 Oct 1986	NCC Loch Survey
North Walls, Loomi Shuns	ND257898	02 Oct 1986	NCC Loch Survey
North Walls, Red Hill of Sneuk	ND233959	Jul 1975	Bullard, E.R.
North Walls, Sands Water	ND246928	08 Aug 2005	Everiss, E.
North Walls, Tor Ness lochan	ND253886	28 Jul 1970	Balfour, E.
Rousay, Loch of Loomachun	HY400308	08 Oct 1986	NCC Loch Survey

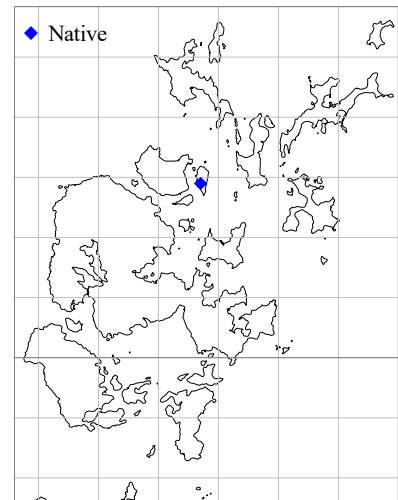
Sparganium emersum

Unbranched Bur-reed

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native herb of mesotrophic or eutrophic waters only thinly scattered north of the Scottish central lowlands. In Orkney, it is known only from Egilsay.

Sparganium emersum (Unbranched Bur-reed)



Location	Grid Ref	Date	Recorder
Egilsay, Manse Loch	HY477297	30 Jul 2010	BSBI/Crossley, J.E.

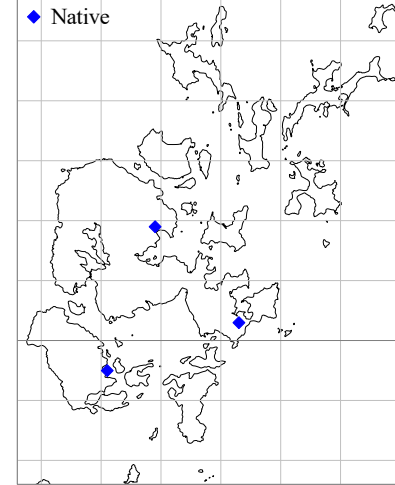
Sparganium natans

Least Bur-reed

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Rare*

A native herb that grows in shallow, sheltered, mesotrophic waters. It has undergone a marked decline due to the drainage and eutrophication of such habitats. This species has only recently been discovered in Orkney and is currently known only from Holm and Rendall on the Mainland and from Lyness in North Walls.

Sparganium natans (Least Bur-reed)



Location	Grid Ref	Date	Recorder
Holm, Ocklester pools	HY530026§	09 Aug 2007	Everiss, E., Ribbands, J.B. & McCance, R.
Hoy, Lyness, nr Haybrake	ND306946§	04 Jun 2011	Crossley, J.E.
Rendall, Blubbersdale, roadside pool	HY382194§	18 Jul 2007	Everiss, E. & Ribbands, J.B.

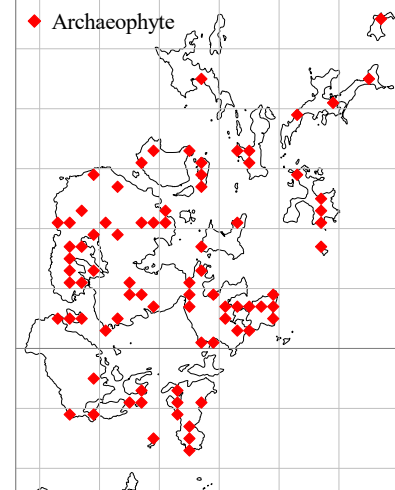
Spargula arvensis

Corn Spurrey

National Status: *Not Scarce*, IUCN *Vulnerable*
 Orkney Status: *Not Scarce*

An archaeophyte, this annual arable weed has a wide distribution within Britain, but has declined markedly as a result of modern agricultural methods. As the map indicates, it is still, as yet, a common plant in Orkney, although apparently not as abundant as in the past. With over 70 sites listed in the database for Orkney, the records are mapped rather than listed.

Spargula arvensis (Corn Spurrey)



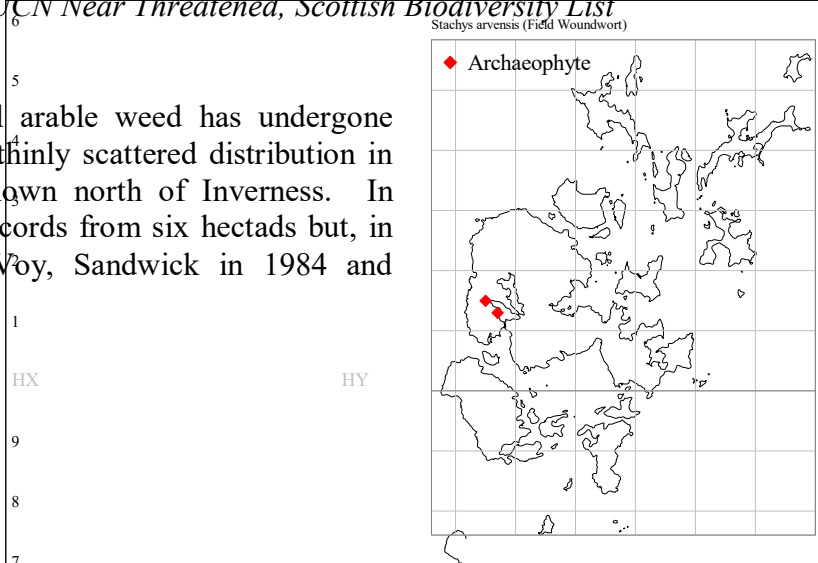
Stachys arvensis

Field Woundwort

National Status: *Not Scarce, IUCN Near Threatened, Scottish Biodiversity List*

Orkney Status: *Rare*

An archaeophyte, this annual arable weed has undergone major decline. It has only a thinly scattered distribution in Scotland and is almost unknown north of Inverness. In Orkney, there are pre-1960 records from six hectads but, in recent years, seen only at Voy, Sandwick in 1984 and rediscovered there in 2012.



Location	Grid Ref	Date	Recorder
Sandwick, Ness of Voy	HY258150	17 Sep 1984	Dickson, J.
Sandwick, Voy arable crop	HY259153	10 Oct 2012	Meek, E.R.
Stromness, Ness of Redland	HY270137	15 Sep 1968	Bullard, E.R.

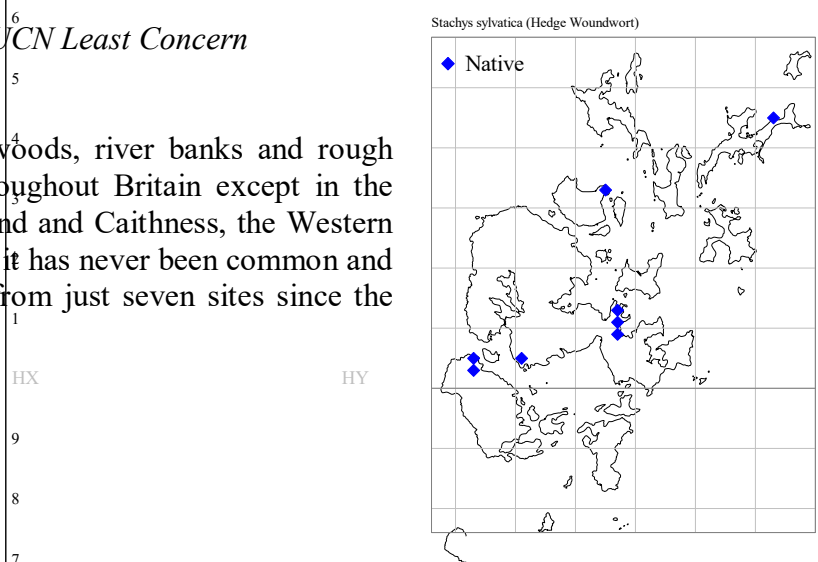
Stachys sylvatica

Hedge Woundwort

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Scarce*

A native, perennial herb of woods, river banks and rough grassland. Found almost throughout Britain except in the highest hills, parts of Sutherland and Caithness, the Western Isles and Shetland. In Orkney it has never been common and is less so now, with records from just seven sites since the 1970s.



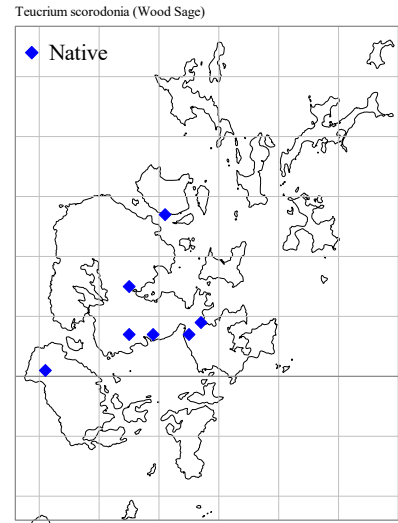
Location	Grid Ref	Date	Recorder
Hoy, Bu plantation	HY235039§	16 Oct 2009	Crossley, J.E. & Ribbands, J.B.
Orphir, above Houton	HY309043	23 Aug 2007	Crossley, J.E.
Rousay, Loch of Scockness	HY449331	1987	Anon
Sanday, Seater	HY720441§	19 Jul 2014	BSBI/Meek, E.R.
St Ola, sea banks N of Heatherquoy to beyond Brough	HY473095	08 Sep 2000	Shearer, H.D.H.
St Ola, Berstane	HY4610	05 May 1973	Bullard, E.R.
St Ola, Loch of Carness	HY467135§	05 Aug 2013	Crossley, J.E. & Gauld, S.
St Ola, Wideford Burn	HY467083	03 Sep 2013	Shearer, H.D.H.

Teucrium scorodonia

Wood Sage

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb found in a variety of habitats, but in Orkney almost always in woodland or areas where woodland previously existed. On Hoy, it is not uncommon in Berriedale; on the Mainland, it occurs on the cliffs of Waulkmill Bay and Inganess Bay and in Syradale. It has also been reported from Rousay.



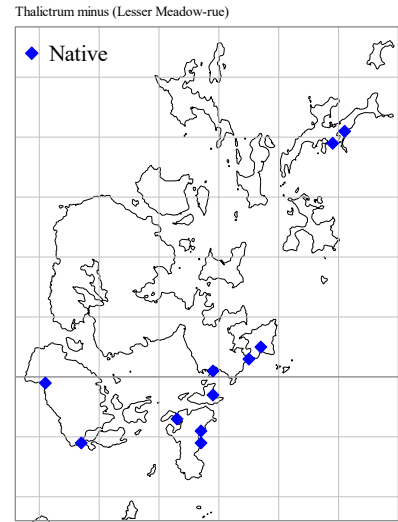
Location	Grid Ref	Date	Recorder
Firth, Syradale Hamars	HY351159	04 Aug 2013	Meek, E.R.
Hoy, Berriedale	HY2001	11 Aug 2005	Meek, E.R.
Orphir, Hobbister, Scarabir	HY392060	11 Aug 2013	Crossley, J.E.
Orphir, Lerquoy	HY3506	11 Aug 1975	Bullard, E.R.
Orphir, Waulkmill Bay	HY3806	Jun 2006	Bremner, A.
Rousay, Frotoft	HY4027	Jul 1997	Charter, E.
St Ola, sea banks N of Heatherquoy	HY4709	01 May 2006	Bremner, A.
St Ola, Gaitnip	HY4406	2005	Bremner, A.
St Ola, Bendigo – Cannigall shore	HY4407	May 2005	Bremner, A.

Thalictrum minus

Lesser Meadow-rue

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb of base-rich substrates, predominantly coastal in Scotland. In Orkney, as a native, it is always a plant of fixed dunes. A record from Graemeshall Cottage, Holm in Aug 2013 is of an escaped garden cultivar.



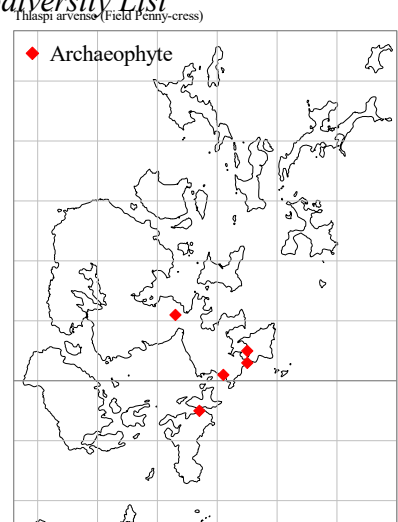
Location	Grid Ref	Date	Recorder
Burray, Bu Links	ND49Y	Jul 2006	Bremner, A.
Deerness, Dingieshowe	HY5403	20 Aug 2005	Meek, E.R.
Deerness, links at Newark	HY569043	08 Sep 1968	Bullard, E.R.
Hoy, Rackwick, dune slack area	ND29E	01 Aug 2010	BSBI/Crossley, J.E.
Sanday, Conninghole	HY693392	23 Jun 2008	Crossley, J.E.
Sanday, Plain of Fidge	HY704413§	13 Jul 2009	Crossley, J.E.
South Ronaldsay, Newark Bay, N end	ND4690	05 Aug 2009	Everiss, E. & U3A Botanical Group
South Ronaldsay, Newark Bay, S end	ND462899	17 Aug 1992	BSBI Field Meeting
South Ronaldsay, Sands of Wright	ND4293	11 Sep 2005	Meek, E.R.
South Walls, Brims Ness to Melsetter	ND28	01 May 1998	Scott, R.

Thlaspi arvense

Field Penny-cress

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*
 Orkney Status: *Scarce*

An archaeophyte, this annual arable weed has a markedly easterly distribution in Scotland and is missing from most of the west and far north. Past records in Orkney come from six hectads, but in relatively recent times known only from the East Mainland and Burray.



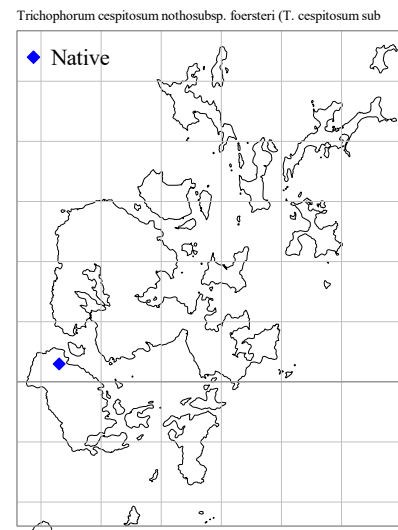
Location	Grid Ref	Date	Recorder
Burray, Sutherland Links	ND475957	29 Jul 2013	Crossley, J.E.
Deerness, Braebuster	HY545054	14 Aug 2007	Crossley, J.E.
Holm, Breckquoy	HY513006	15 Jul 1991	Charter, E.
Holm, Greenwall & Richmond gardens	HY513012	08 Jul 1991	Charter, E.
St Andrews, Dingieshowe	HY546034	Aug 2013	Branscombe, J.

Tricophorum cespitosum

Northern Deer-grass

National Status: *Rare, IUCN Data Deficient*
 Orkney Status: *Rare*

This native perennial herb of moorland and bog with some base-enrichment is very similar to the abundant and widespread *Tricophorum germanicum* (Deer-grass) and was only confirmed as occurring in Britain in 1988. It appears to be rare but its distribution is not well known. The hybrid between the two species (*T. x foesteri*) is commoner than *T. cespitosum*. The hybrid was discovered in a moorland flush on Hoy in 2010, then in 2012 *T. cespitosum* was found in the same flush. The hybrid has now been found in another flush nearby.



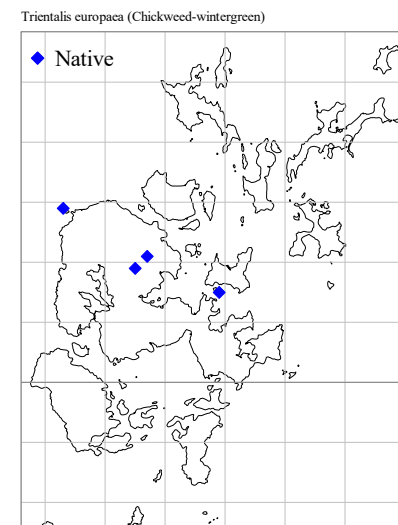
Location	Grid Ref	Date	Recorder
Hoy, fen below pumping station	HY223035	18 Jul 2012	Meek, E.R.

Trientalis europaea

Chickweed Wintergreen

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Rare*

A native, deciduous perennial herb of woodlands, moorlands and heaths with a decidedly eastern distribution, from the North York Moors, through Northumberland and eastern Scotland. The eastern and central Highlands are a stronghold. In Orkney now known only from a very few localities in the Rendall and Harray hills on the Mainland, but in the past also recorded from Helliar Holm, the Brough of Birsay and Kingsdale, Firth, the last in the 1930s.



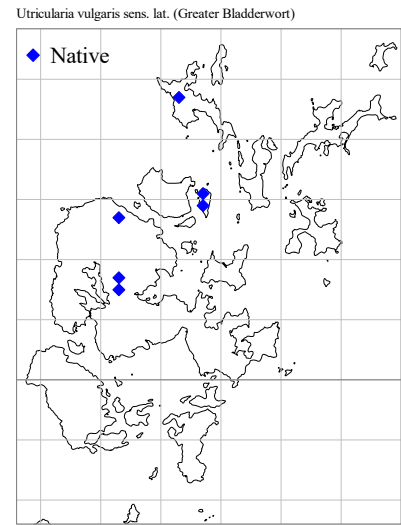
Location	Grid Ref	Date	Recorder
Birsay, Brough	HY237285	Jul 1974	Kirby, J.E.
Harray, west of peat track to Cuppablack	HY351187	17 Jun 1999	Ribbands, J.B.
Shapinsay, Helliar Holm	HY4815	21 Jun 1964	Orkney Field Club/Bullard, E.R.
Rendall, Dale of Cottascarth	HY362202	11 Jun 2004	Ribbands, J.B.
Rendall, slope above Queenamidda	HY368209	20 Jun 2004	Ribbands, J.B.

Utricularia vulgaris sens. lat.

Greater Bladderwort

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

A native, free-floating, insectivorous perennial. The *Utricularia* genus is notoriously difficult. *U. minor* is known to be the commonest species in Orkney. *U. vulgaris sens. lat.*, the aggregate of the two species *U. vulgaris sens. str.* and *U. australis*, is less common. Separation of the two segregates has not been attempted here and all the listed records are of *U. vulgaris sens. lat.* This aggregate has an unusual British distribution with concentrations in south-east England and more especially in north-west Scotland. In Orkney, it is known only from one site in Westray, two in Egilsay and from Evie and Harray in the West Mainland.



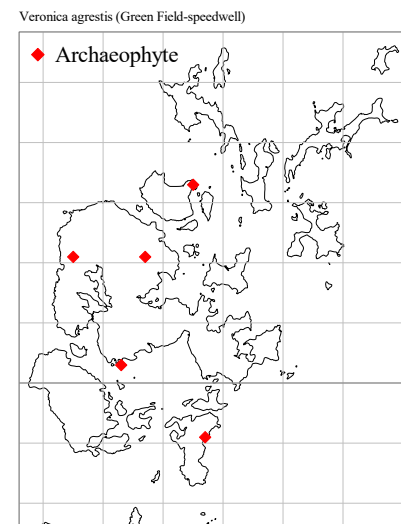
Location	Grid Ref	Date	Recorder
Egilsay, S	HY42U	30 Jul 2010	BSBI/Upton, A.
Egilsay, Loch of Watten	HY4730	06 Oct 1992	Stewart, N.
Egilsay, Manse Loch	HY477297	17 Aug 1994	Charter, E.
Evie, Peerie Water	HY3327	15 Aug 2004	Meek, E.R.
Harray, nr Rosebank	HY335159	06 Sep 2006	Everiss, E.
Harray, pools opposite Springfield quarry	HY333158	05 Sep 1980	Bullard, E.R.
Westray, Gallo Hill, Cuppin o' Cheor	HY428462	01 Aug 1996	Charter, E.

Veronica agrestis

Green Field-speedwell

National Status: *Not Scarce*, IUCN *Least Concern*
 Orkney Status: *Scarce*

An archaeophyte, this annual arable weed is another that is in decline. In Scotland, it is scattered mainly in the eastern part of the country and in Orkney has been seen in only five sites in recent years.



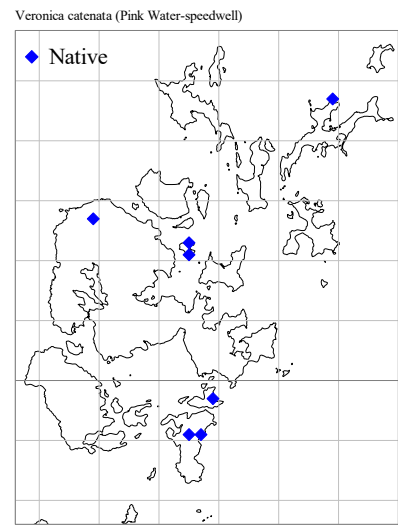
Location	Grid Ref	Date	Recorder
Orphir, Houton	HY322038	15 Sep 1999	Bullard, E.R. & Shearer, H.D.H.
Rendall, Queenamidda	HY372206	30 Jul 1991	Bullard, E.R., McCance, R. & Ribbands, J.B.
Rousay, Faracllett Head	HY4433	14 Aug 1992	BSBI/Farrell, L.
Sandwick, field to the N of Bain	HY253206	17 Aug 2003	Crossley, J.E. & Meek, E.R.
South Ronaldsay, Wheems	ND465916	26 Sep 2001	Crossley, J.E.

Veronica catenata

Pink Water-speedwell

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native annual found especially on the muddy edges of shallow water bodies. It is decidedly scarce in Scotland with concentrations of records only around the Solway; in the eastern Borders, Lothian and Fife area; and in the more southerly of the Western Isles. In Orkney, it has a scattered distribution on five different islands.



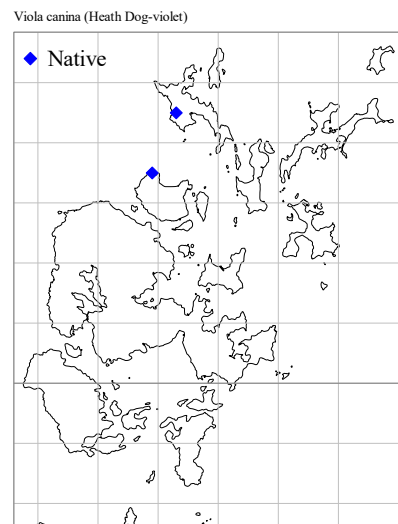
Location	Grid Ref	Date	Recorder
Birsay, Loch of Hundland	HY289267§	31 Jul 2010	BSBI/Crossley, J.E.
Burray, North Links	ND487976	28 Jun 2005	Fallowfield, K. and Everiss, E.
Burray, South Links	ND488965	24 Jun 2010	Crossley, J.E.
Gairsay	HY42K	03 Jul 1999	Orkney Field Club
Gairsay	HY441224	03 Jul 1999	McCance, R.
Sanday, Whitemill Bay	HY64Y	19 Jul 2014	BSBI/Branscombe, J.
South Ronaldsay, Aikers loch	ND454913	1997	Crossley, J.E.
South Ronaldsay, near Kirkhouse	ND468909§	13 Jun 2014	Crossley, J.E.
South Ronaldsay, Newark Bay, N end	ND466905	17 Aug 1992	BSBI Field Meeting

Viola canina

Heath Dog-violet

National Status: *Not Scarce, IUCN Near Threatened*
 Orkney Status: *Rare*

A native, perennial herb of a variety of acidic habitats, scattered throughout Britain. It has undergone severe declines almost everywhere as a result of habitat loss. A previous doubtful record from Eynhallow is not listed here but the species was found in 2005 on Rousay and in 2009 on Westray, on both occasions in areas of wind-clipped maritime heath. The Rousay plant was determined as subsp. *canina*.



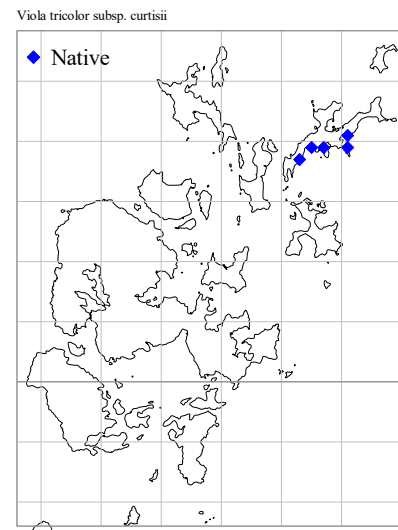
Location	Grid Ref	Date	Recorder
Rousay, Horse Brae	HY33X	04 Jul 2005	BSBI/Skene, A.
Westray, Fitty Hill	HY44H	10 Jun 2009	Meek, E.R., Crossley, J.E. & Ribbands, J.B.

Viola tricolor subsp. curtisii

Dune Pansy

National Status: *Not Scarce, IUCN Least Concern*
 Orkney Status: *Scarce*

A native, perennial herb found mainly in coastal grassland and dunes, with a very thinly scattered distribution around the coasts of Wales, north-west England and Scotland, and inland in the Breckland of East Anglia. In Orkney, all recent records are from Sanday, but there is a Mainland record from Bay of Meil, St Ola in 1922.



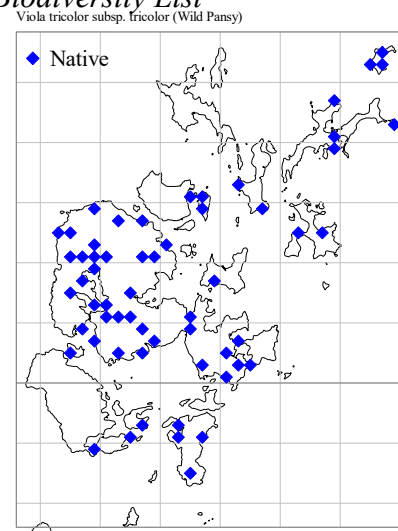
Location	Grid Ref	Date	Recorder
Sanday, Cross, Kettletoft to Backaskaill	HY63P	11 Jul 1988	Bullard, E.R. & Turner, C.
Sanday, Lady, Little Sea and Silverhall	HY63U	13 Jul 1998	Bullard, E.R. & Turner, C.
Sanday, Backaskaill Links	HY6439	30 Jul 1974	Bullard, E.R.
Sanday, Cross & Burness, The Wart	HY623370	15 Jun 2004	Crossley, J.E.
Sanday, Lady, Plain of Fidge	HY707411	25 Jul 1973	Bullard, E.R.
Sanday, Tresness (north tetrad)	HY73E	26 Jun 2012	Crossley, J.E.

Viola tricolor subsp. tricolor

Wild Pansy

National Status: *Not Scarce, IUCN Near Threatened, Scottish Biodiversity List*
 Orkney Status: *Not Scarce*

A native, usually annual, weed found mainly in arable or waste areas and which has undergone severe declines over much of Britain resulting in it now being listed as 'Near Threatened'. However, in Orkney it is still common and well distributed. Occasionally when fields that have been long under grass are ploughed, a remarkable show of flowers occurs, as at Crantit, St Ola in 2010.

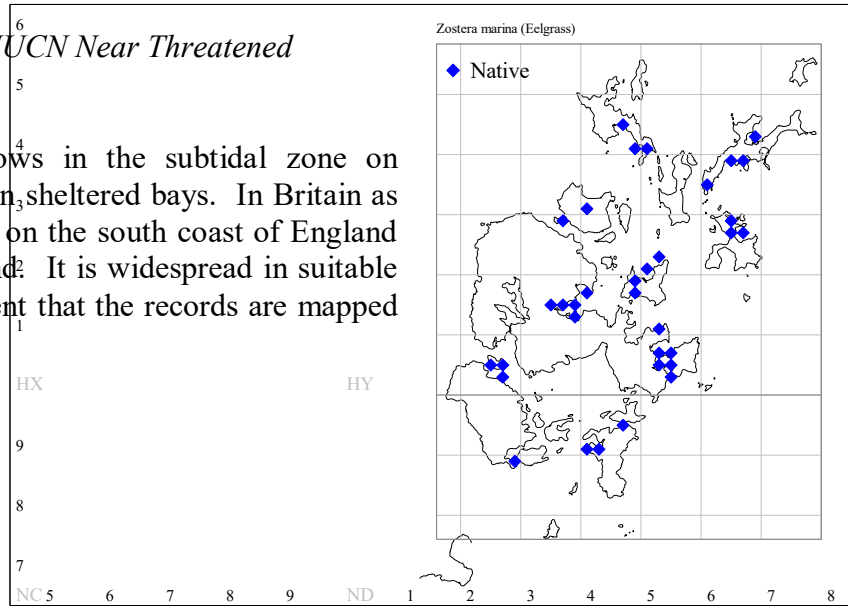


Zostera marina

Eel-grass

National Status: *Not Scarce, IUCN Near Threatened*
Orkney Status: *Not Scarce*

A native perennial that grows in the subtidal zone on substrates of gravel, usually in sheltered bays. In Britain as a whole, its headquarters are on the south coast of England and the west coast of Scotland. It is widespread in suitable habitat in Orkney, to the extent that the records are mapped rather than listed.



Extinct Species

Agrostemma githago

Corncockle

National Status: *Extinct in the wild, IUCN not listed*Orkney Status: *Extinct in the wild*

An archaeophyte that had been in Britain since the Iron Age but which became extinct as an arable weed during the 20th Century, although still appearing as a component of wild flower seed mixes. The last Orkney record before these occasional modern introductions was probably that in Lyness in 1931.

Ajuga pyramidalis

Pyramidal Bugle

National Status: *Scarce, IUCN Vulnerable, UK BAP Priority*Orkney Status: *Extinct*

A native perennial of upland heathlands and grasslands that within Britain is virtually confined to west and north Scotland. In Orkney, it has apparently declined rapidly to extinction for no apparent reason. During the early part of the 20th Century it was found in several sites on Hoy as far south as the Lyrawa Burn, but it has not been seen on the island since 1965, in Berriedale. On the Mainland, it was known from Syradale and Firth in the 1920s. Plants found at Waulkmill, Orphir in 1975 could have been *A. pyramidalis* or *A. x pseudopyramidalis*, the hybrid with *A. reptans*; this is unclear. The most recent extant site was in Naversdale, Orphir where it had been known since 1877. However, it was last seen there in 1993 and the site now seems too overgrown.

Ajuga x pseudopyramidalis

Hybrid Bugle

*(A. pyramidalis x A. reptans)*National Status: *Rare, IUCN Vulnerable*Orkney Status: *Extinct*

This nationally rare hybrid was found at Gaitnip, Holm in 1964, and again, possibly, at Waulkmill, Orphir in 1975, though whether the plants at the latter site were this taxon or the parent *A. pyramidalis* is unclear.

Bolboschoenus maritimus

Sea Club-rush

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct*

A native perennial of saline or brackish sites, rare north of Inverness. Found at the head of the Bay of Tuquoy, Westray during a BSBI Field Meeting in August 1963 and still present in September 1972, but not seen since despite several searches and now presumed extinct.

Campanula rotundifolia

Harebell

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct*

A native perennial of dry, infertile grasslands, common throughout much of Scotland, including the north coast of Caithness and Sutherland. Its absence from Orkney is therefore difficult to explain. It was recorded from North Links, Burray in 1968, where sand extraction later destroyed the colony. A 1921 record is regarded as non-native.

Carex spicata

Spiked Sedge

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct*

A native, perennial sedge of rough grasslands and similar habitats, unknown north of the Scottish central lowlands. In Orkney known only from a 1905 record (specimen in the herbarium of Magnus Spence, identification recently confirmed as *C. spicata, sens str.*) from Stenness, 'Bigswell to Heddle below Germiston'. The area was searched in 1994 and again in 2011 without success and the species is presumed extinct.

Carum carvi

Caraway

National Status: *Scarce, IUCN Endangered, UK BAP Priority, Scottish Biodiversity List*Orkney Status: *Extinct*

This perennial, grassland herb is an archaeophyte, scattered thinly throughout England but decidedly scarce in Scotland except in Shetland where it is well-naturalised. It was widely distributed but scarce in the late 19th and early 20th Centuries and was last recorded at Sandside, Deerness in July 1967.

Circaea x intermedia
(*C. lutetiana* x *C. alpina*)

Intermediate Enchanter's-nightshade

National Status: *Not Scarce, IUCN not listed*Orkney Status: *Extinct*

A native, perennial herb of moist, shaded habitats, known mainly from western Britain north from Wales. In Orkney, last recorded in 1993 but in an anthropogenic habitat, the Binscarth quarry garden and, prior to that in natural habitat at Rackwick, Hoy in 1962. Now considered extinct.

Dactylorhiza fuchsii

Common Spotted-orchid

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct*

A native, perennial herb, frequent on neutral or base-rich soils in a range of habitats throughout most of Britain but less widespread in the north of Scotland. In Orkney, it was found at Wideford Burn, St Ola in 1921 and was still present there in 1971 but not thereafter. In 1973, Elaine Bullard found it in willow carr at Winksetter, Harray but could not refind it in later years. Now considered extinct.

Euphrasia rotundifolia

Pugsley's Eyebright

National Status: *Rare, IUCN Endangered, UK BAP Priority, Scottish Biodiversity List*Orkney Status: *Probably Extinct*

In recent years, doubts have been cast on the validity of this endemic taxon which is now considered to occur only on the north coast of Sutherland. It has apparently arisen through hybridisation between *E. foulaensis*, *E. ostensfeldii* and *E. marshallii*, and can be very difficult, if not impossible, to separate from the last, or from *E. foulaensis* x *E. marshallii*. A specimen was collected by E.R. Bullard at Marwick Head in 1959 and determined by the national *Euphrasia* expert, Peter Yeo. It has never been found since and the species is considered to be extinct in Orkney.

Festuca arenaria

Rush-leaved Fescue

National Status: *Scarce, IUCN Least Concern*Orkney Status: *Rare or Extinct*

A native, perennial grass, scattered thinly around British coasts north to the Black Isle. Known in Orkney only from two 19th Century records, these only recently determined from herbarium specimens. An effort is now required to ascertain whether the species still occurs.

Geranium sylvaticum

Wood Crane's-bill

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct*

Early historical accounts give this species as occurring in the wild amongst the Hoy and Orphir hills but it was not known as a wild plant to 19th Century botanists. Elaine Bullard considered all records during her time to have been garden outcasts and this is still believed to be the case. Why it should have been lost from its wild and presumably native stations is a mystery.

Goodyera repens

Creeping Lady's-tresses

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Extinct*

A native perennial of pine woodland. Found in Harray in 1887 and outside Stromness in 1896 but believed to have become extinct soon afterwards.

Juncus triglumis

Three-flowered Rush

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Extinct*

This native rush was collected in 1909 'above Naversdale' one of the valleys radiating from the Ward Hill of Orphir. It has not been relocated despite several searches in recent years. It is also stated to have been found in HY22 (Birsay) where the site is believed to have been Greeny Hill.

Ononis repens

Rest-harrow

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Extinct*

A native, perennial sub-shrub of varied grassland and coastal habitats, rare in the northern half of Scotland except on the south shores of the Moray Firth. In Orkney it was only ever known as a native from a single site opposite the old entrance to Skail House, Sandwick, where it was last seen in 1968. Noted as an alien at Maeness, Egilsay in 1995.

Potamogeton obtusifolius

Blunt-leaved Pondweed

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Extinct*

The only confirmed Orkney record of this native pondweed is from Howan, Dounby in August 1876.

Rubus scissus

A bramble

National Status: *Not Scarce, IUCN Least Concern*

Orkney Status: *Extinct*

This native *Rubus* microspecies was recorded at the South Burn of Quoys, Hoy in 1925 and a herbarium specimen exists. However, the site was later destroyed and the species is considered to be extinct.

Salsola kali

Prickly Saltwort

National Status: *Not Scarce, IUCN Least Concern, Scottish Biodiversity List*Orkney Status: *Extinct*

A native annual of sand and shingle beaches that was last seen in Orkney at Newark Bay, Deerness in 1905.

Scandix pectis-verenis

Shepherd's-needle

National Status: *Scarce, IUCN Critically Endangered, UK BAP Priority, Scottish Biodiversity List*Orkney Status: *Extinct*

This archaeophyte is an annual of arable fields and other disturbed habitats that has declined drastically in Britain as a result of modern agricultural practices, especially herbicide use. In Orkney it was last seen in Deerness in 1916.

Scrophularia nodosa

Common Figwort

National Status: *Not Scarce, IUCN Least Concern*Orkney Status: *Extinct (other than as a casual)*

A native, perennial herb of fertile soils, common throughout most of Britain but much less so north of Inverness. As a native in Orkney, it was only ever known from one site on the Mainland (extinct before 1914) and from the Glen of Button, Hoy (1928). Currently, it is known only as a casual that occasionally escapes from gardens.

x Pseudorhiza bruniana

Hybrid Heath-spotted x Small White Orchid

(Dactylorhiza maculosa x Pseudorchis albida)National Status: *IUCN not listed*Orkney Status: *Extinct*

This trans-generic hybrid orchid was found in Russadale, Stenness in 1977 and is the only known example of the hybrid in Britain. It has not been seen since. Unfortunately, the *Pseudorchis albida* colony at this site now appears to be extinct so that the hybrid is unlikely to be seen again, although it should be looked for at other *P. albida* sites.