

# Natural Heritage Information Desk Study of Beaw Field Wind Farm, Yell, Shetland

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## Summary

A proposal for a wind farm development has been made on Yell (the Beaw Field Wind Farm), Shetland. As part of planning for this Proposed Development Alba Ecology Ltd was commissioned to conduct a natural heritage desk study to identify records of important species within and adjacent to the proposed Beaw Field Wind Farm. Designated sites out to a 10km radius from the proposed centre of proposed site were also identified.

The desk study was conducted in 2011 using the NBN Gateway, SNH Site Link website and other published data sources. There were lots of biological records from the vicinity of the proposed Beaw Field Wind Farm. The desk study found that there are three designated sites with six conservation designations within 10km of the Site on Yell. These include a Special Protection Area (SPA), two Special Areas of Conservation (SACs) and three Sites of Special Scientific Interest (SSSIs). This document reports the findings of the January 2011 desk study undertaken by Alba Ecology Ltd.

## Introduction

This desk study aims to:

1. Identify all records of important animal and plant species within and adjacent to the Proposed Development.
2. Identify all the conservation designation sites on Yell within a 10km radius of the Proposed Development.

## Study methods

The desk study was conducted for all relevant species, including those within the UK Biodiversity Action Plan (UK BAP), European Protected Species (EPS) list and the Shetland Local Biodiversity Action Plan (LBAP, 2003), primarily using the NBN Gateway to search for records. Other relevant published sources of information were also searched. Records of marine species were excluded. As with all desk studies, the data collected are only as good as the data supplied to the recording schemes. The recording schemes provide disclaimers in relation to the quality and quantity of the data they provide and these should be considered when examining the outputs of this desk study.

Searches were conducted for all species of birds, mammals, herptiles (reptiles and amphibians), fish, vascular plants, lower plants, fungi and invertebrates defined as priority and key species. All records that were displayed by the interactive map (centred on Canis Dale, Yell) were selected and inspected. The details of the dataset and the date of the records were recorded and tabulated in Annex 1. The information for many species was at 10km resolution on the NBN Gateway interactive map.

Sites with conservation designations on Yell, located within a 10km radius around Beaw Field Wind Farm, were identified using the Scottish Natural Heritage (SNH) Site Link website.

## Results

Tabulated results of all the species records located are provided in Annex 1. The desk study demonstrated that there are numerous records of important and protected species within and around the Site. However, many of the records are at a 10km resolution. This means they could be >9km from the Site. Furthermore, there are large data gaps in some taxonomic groups e.g. fungi and some invertebrates. The following text summarises the desk study data for the main taxonomic groups considered.

### Fish

Four species of freshwater fish, including three UK BAP Priority species were recorded (Annex 1): Atlantic salmon (*Salmo salar*), sea/brown trout (*S. trutta*) and eel (*Anguilla anguilla*).

### Reptiles and amphibians

No species of reptile or amphibian were recorded. There are no native reptiles or amphibians present in Shetland.

### Mammals

Six species of terrestrial mammal, including three UK BAP Priority species, were (Annex 1). All six mammal species are non-native in a Shetland context. Of these, the only species likely to be of particular importance, given the habitats present within the Site, is otter (*Lutra lutra*).

### Birds

Thirty-nine species of regularly occurring resident and migratory bird species (including nine UK BAP species and several Schedule 1 species) were recorded (Annex 1). Of these, the following species are considered of particular importance given the habitats present within the Proposed Development: whooper swan (*Cygnus cygnus*), red-throated diver (*Gavia stellata*), pink-footed goose (*Anser brachyhynchus*), greylag goose (*A. anser*), merlin (*Falco columarius*), whimbrel, (*Numenius phaeopus*) curlew (*N. arquata*), lapwing (*Vanellus vanellus*), redshank (*Tringa totanus*), dunlin (*Calidris alpina*), golden plover (*Pluvialis apricaria*), Arctic skua (*Stercorarius parasiticus*) and great skua (*S. skua*).

## Invertebrates

Forty three species of regularly occurring invertebrate (including ten UK BAP Priority species) were recorded (Annex 1). Of these, nine species of moth and one bumblebee are of particular importance given their UK BAP status. There are also records of at least 13 endemic Shetland invertebrate subspecies. As with most other parts of Scotland there is a paucity of some important invertebrate species records from the Site. The Shetland Entomological Group hold additional records of some groups e.g. *Diptera*, which are not included in the above species totals or Annex 1.

## Vascular plants

In excess of 376 species of vascular plant (including at least six UK BAP Priority species) have been recorded (Annex 1). The UK BAP Priority species and three endemic Shetland species of hawkweeds are potentially of particular importance.

## Non-vascular plants

A large number of lower plant species have been recorded. An assessment of NBN record searches centred on Canis Dale within the site provided a list of 182 lichen species and 218 moss and liverwort species. These species are not separately tabulated in Annex 1.

## Designated sites

There are three designated sites (with six designations) on Yell within 10km of the Site.

Site Name	Designation	Size (ha)	Feature of Interest
Otterswick & Graveland	SPA & SSSI	2,241ha	Red-throated diver - 26 pairs (during 1992-99), 3% of the British population.
Yell Sound Coast	SAC & SSSI	1,540ha	Common seal and otter
East Mires and Lumbister	SAC & SSSI	620ha	Blanket bog (SAC & SSSI) & breeding (moorland) bird assemblage (SSSI only), with red-throated diver, dunlin and snipe specifically mentioned.

## Discussion

This desk study has identified important ecological sensitivities within 10km of the Proposed Development, as far as existing and freely available data allows. Desk-based studies of this nature have limitations, such as the reliability of third-party records and the coverage of reported studies. It is important to understand that a lack of information for a species does not necessarily mean the species is absent and previous historical occurrence does not necessarily mean a species is still present. Remote areas of Scotland (such as parts of Yell) are often poorly covered as regard to biological recording, especially for some taxonomic groups. Additional natural heritage information searches and access to actual biological records could be specifically commissioned and conducted by bodies such as the Shetland Biological Records Centre or NBN if required.

## ANNEX 1: BEAW FIELD WIND FARM DESK STUDY NATURAL HERITAGE INFORMATION

Desk study search conducted in January 2011

### Freshwater fish

Species	Common Name	Habitat	Listing status	Date	Records	Dataset
<i>Salmo salar</i>	Atlantic salmon	Freshwater, marine	UK BAP Priority Species	1985-1990	Numerous	Database for the atlas of freshwater fish.
<i>S. trutta</i>	Brown/sea trout	Freshwater, marine	UK BAP Priority Species	1974-2000	Numerous	Database for the atlas of freshwater fish.
<i>Anguilla anguilla</i>	Eel	Freshwater	UK BAP Priority Species	1974-2000	Numerous	Database for the atlas of freshwater fish.
<i>Gasterosteus aculeatus</i>	3-spined stickleback	Freshwater		2000	1	Database for the atlas of freshwater fish.

### Mammals

Species	Common Name	Habitat	Listing status	Dates	Records	Dataset
<i>Lutra lutra</i>	Otter	Marine/freshwater	UK BAP Priority Species, EPS, Introduced species	1974-1991	Numerous	Mammal records from 1993 Atlas of Mammals. J Laughton Johnston 1999.
<i>Lepus timidus</i>	Mountain hare	Moorland	UK BAP Priority Species, Introduced species	1973	1, Ulsta	Mammal records from 1993 Atlas of Mammals. J Laughton Johnston 1999. Note, not recorded on Yell during 2008 Mountain hare survey (SBRC).
<i>Erinaceus europaeus</i>	Hedgehog	Moorland, farm & croft	UK BAP Priority Species, Introduced species	1975	1, Littlester	Mammal records from 1993 Atlas of Mammals. J Laughton Johnston 1999.
<i>Oryctolagus cuniculus</i>	Rabbit	Farm & croft		1973	1, Ulsta	Mammal records from 1993 Atlas of Mammals. J Laughton Johnston 1999.
<i>Apodemus sylvaticus granti</i>	Field mouse	Farm & croft		N/A	Numerous	J Laughton Johnston 1999. Nature in Shetland web-site. Endemic subspecies.
<i>Mus musculus</i>	House mouse	Farm & croft		N/A	Numerous	J Laughton Johnston 1999.

## Birds (regular breeding species & migrants)

Species	Common Name	Habitat	Listing status	Date	Records	Dataset
<i>Gavia stellata</i>	Red-throated diver	Freshwater, moorland	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Cygnus cygnus</i>	Whooper swan	Freshwater, farm & croft		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Anser anser</i>	Greylag goose	Freshwater, farm & croft, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Anser brachyrhynchus</i>	Pink-footed goose	Freshwater, farm & croft		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Anas penelope</i>	Wigeon	Freshwater, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>A. crecca</i>	Teal	Freshwater, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>A. platyrhynchos</i>	Mallard	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Aythya ferina</i>	Pochard	Freshwater		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>A. fuligula</i>	Tufted duck	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Fulmarus glacialis</i>	Fulmar	Cliffs		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Falco columbarius</i>	Merlin	Moorland	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Haematopus ostralegus</i>	Oystercatcher	Freshwater	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Charadrius hiaticula</i>	Ring plover	Freshwater	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Pluvialis apricaria</i>	Golden plover	Farm & croft, moorland	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Vanellus vanellus</i>	Lapwing	Freshwater, farm & croft	UK BAP Priority Species, Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Calidris alpina</i>	Dunlin	Freshwater, moorland	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.

<i>Numenius arquata</i>	Curlew	Freshwater, farm & croft, moorland	UK BAP Priority Species, Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>N. phaeopus</i>	Whimbrel	Freshwater, farm & croft, moorland	UK Priority Species, Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Gallinago gallinago</i>	Snipe	Freshwater, farm & croft, moorland	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Tringa totanus</i>	Redshank	Freshwater, farm & croft	Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Stercorarius parasiticus</i>	Arctic skua	Moorland	UK BAP Priority Species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>S. skua</i>	Great skua	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Larus canus</i>	Common gull	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>L. ridibundus</i>	Black-headed gull	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>L. fuscus</i>	Lesser black-backed gull	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>L. argentatus</i>	Herring gull	Moorland	UK BAP Priority Species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>L. marinus</i>	Great black-backed gull	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Sterna paradisaea</i>	Arctic tern	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>S. hirundo</i>	Common tern	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Columba livia</i>	Rock dove	Farm & croft land, cliffs		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Alauda arvensis</i>	Skylark	Farm & croft land, moorland	UK BAP Priority Species, Shetland LBAP species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Anthus pratensis</i>	Meadow pipit	Farm & croft, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Oenanthe oenanthe</i>	Wheatear	Farm & croft, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Corvus cornix</i>	Hooded crow	Farm & croft, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.



<i>C. corax</i>	Raven	Farm & croft, moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Sturnus vulgaris zetlandicus*</i>	Starling*	Farm & croft	UK BAP Priority Species	N/A	Numerous	Pennington <i>et al.</i> 2004. Nature in Shetland web-site. Endemic subspecies.
<i>Carduelis flavirostris</i>	Twite	Moorland, farm & croft	UK BAP Priority Species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Passer domesticus</i>	House sparrow	Buildings	UK BAP Priority Species	N/A	Numerous	Pennington <i>et al.</i> 2004.
<i>Plectrophenax nivalis</i>	Snow bunting	Moorland		N/A	Numerous	Pennington <i>et al.</i> 2004.

### Invertebrates (regular species)

Species	Common Name	Habitat	Listing status	Date	Records	Dataset
<i>Enallagma cyathigerum</i>	Common blue damselfly	Freshwater		N/A	South Yell	J Laughton Johnston 1999.
<i>Hepialus humuli thulensis*</i>	Ghost moth*	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>H. fusconebulosa</i> f. <i>zetlandicus*</i>	Map-winged swift*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>Xanthorhoe decoloraria hethlandica*</i>	Red carpet*	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>X. montanata shetlandica*</i>	Silver-ground carpet*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>X. fluctuate</i> f. <i>thules*</i>	Garden carpet*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>Entephria caesiata</i>	Grey mountain carpet	Moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Perizoma albulata subfasciaria*</i>	Grass rivulet*	Grassland, around Yellowrattle food-plant		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.

<i>Chloroclysta citrata pythonissata*</i>	Dark marbled carpet*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>Eulithis testata</i>	Cheveron	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>E. populata</i>	Northern spinach	Moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Hydriomena furcata</i>	July highflier	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Operophtera brumata</i>	Winter moth	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Perizoma didymata</i> f. <i>hethlandica*</i>	Twin-spot carpet*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>Eupithecia venosata fumosae*</i>	Netter pug*	Grassland near beaches by Sea campion food-plant		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>E. satyrata</i>	Satyr pug	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Standfussiana lucernea</i>	Northern rustic	Rocky scree/quarries		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Paradiarsia glareosa</i> f. <i>edda*</i>	Autumnal rustic*	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>Lycophotia porphyrea</i>	True lover's knot	Moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Diarsia mendica</i> [ <i>thulei</i> ]*	Ingrailed clay*	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.
<i>D. rubi</i>	Small square spot	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Xestia xanthographa</i>	Square spot rustic	Grassland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Hada plebeja</i>	Shears	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Hadena confusa</i>	Marbled coronet	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.

<i>H. bicurus</i>	Lychnis	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Cerapteryx graminis</i>	Antler moth	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Orthosia gothica</i>	Hebrew character	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Dasypolia templi</i>	Brindled ochre	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Mniotype adusta</i>	Dark brocade	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Apamea monoglypha</i>	Dark arches	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>A. zeta exulis</i> *	Exile*	Farm & croft, moorland		Undated record	1 Yell record	J Laughton Johnston 1999.
<i>A. crenata</i>	Clouded-bordered brindle	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>A. furva</i>	Confused	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>A. remissa</i>	Dusky brocade	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Oligia fasciuncula</i>	Middle-barred minor	Farm & croft, moorland		N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Hydraecia micacea</i>	Rosy rustic	Farm & croft, moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Celaena haworthii</i>	Haworth's minor	Moorland	UK BAP Priority Species	N/A	Throughout Shetland	J Laughton Johnston 1999.
<i>Eupoecilia angustana thuleana</i> *	A small tortrid micro-moth*	Farm & croft		N/A		Nature in Shetland web-site.
<i>Pelophila borealis</i>	A carabid ground beetle	Farm & croft, moorland, shorelines		1973	1, Laxa Burn	Carabid data for GB from the Ground Beetle Recording Scheme held by BRC.
<i>Cliniva fossor</i>	A carabid ground beetle	Farm & croft, moorland		1973		Carabid data for GB from the Ground Beetle Recording Scheme held by BRC.
<i>Bombus muscorum agricolae</i> *	Shetland bumblebee*	Farm & croft, moorland	UK BAP Priority Species, Shetland LBAP species	N/A	Throughout Shetland	J Laughton Johnston 1999. Nature in Shetland web-site.

<i>Ichneumon suspiciosus</i>	A wasp	Farm & croft, moorland		N/A	Throughout Shetland	Shetland Entomological Group.
<i>Myrmica ruginodis</i>	An ant	Farm & croft, moorland		N/A	Throughout Shetland	Shetland Entomological Group.

\* Endemic subspecies (or form)

The Shetland Entomological Group lists dozens of species as present on Yell, but not their locations e.g. of *Diptera* (true flies). These are not included in the table above.

### Vascular plants

Species	Common Name	Habitat	Listing status	Date	Records	Dataset
	Water horsetail	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Marsh horsetail	N/A		1500-1997	Numerous	NBN Vascular Plants Database.
	Wood horsetail	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Field horsetail	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Shore horsetail	N/A		1966-1981	3 records	NBN Vascular Plants Database.
	Stag's horn clubmoss	N/A		1500?	1 records	NBN Vascular Plants Database.
	Alpine clubmoss	N/A		1987	1 record	NBN Vascular Plants Database.
	Lesser clubmoss	N/A		1500-2004	Numerous	NBN Vascular Plants Database.
<i>Huperzia selago</i>	N/A	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Fir clubmoss	N/A		2004	1 record	NBN Vascular Plants Database.
	Soft-rush	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Jointed rush	N/A		1958-2003	Numerous	NBN Vascular Plants Database.

	Bulbous rush	N/A		1958-2003	Numerous	NBN Vascular Plants Database.
	Yellow iris	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Common cottongrass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Carnation sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Common sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Star sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Creeping bent	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Lesser spearwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh violet	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Blinks	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Alternate water-milfoil	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Marsh pennywort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sea-milkwort	N/A		1500-1997	Numerous	NBN Vascular Plants Database.
	Bogbean	N/A		1500-1997	Numerous	NBN Vascular Plants Database.
	Lesser bladderwort	N/A		1987-1997	Numerous	NBN Vascular Plants Database.
	Shoreweed	N/A		1500-2004	Numerous	NBN Vascular Plants Database.
	Toad rush	N/A		1987-2004	Numerous	NBN Vascular Plants Database.
	Common yellow-sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Many-stalked spike-rush	N/A		1500-1997	Numerous	NBN Vascular Plants Database.
	Common spike-	N/A		1950-2004	Numerous	NBN Vascular Plants Database.

	rush					
	Few-flowered spike-rush	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Bog pondweed	N/A		1958-2004	Numerous	NBN Vascular Plants Database.
	Floating bur-reed	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Callitriche stagnalis</i>	N/A	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh arrowgrass	N/A		1500-2003	Numerous	NBN Vascular Plants Database.
	Sea arrowgrass	N/A		1500-1970	2 records	NBN Vascular Plants Database.
	Broad-leaved pondweed	N/A		1961-1997	Numerous	NBN Vascular Plants Database.
	Various-leaved pondweed	N/A		1500	1 record	NBN Vascular Plants Database.
	Perfoliate pondweed	N/A		1987-2003	Numerous	NBN Vascular Plants Database.
	Lesser pondweed	N/A		1987	1 record	NBN Vascular Plants Database.
	Small pondweed	N/A		1987	1 record	NBN Vascular Plants Database.
	Slender-leaved pondweed	N/A		1500-1987	2 record	NBN Vascular Plants Database.
	Pyrenean lily	N/A		1970	1 record	NBN Vascular Plants Database.
	Heath rush	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Saltmarsh rush	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Frog rush	N/A		1970	1 record	NBN Vascular Plants Database.
	Compact rush	N/A		1950-1987	3 records	NBN Vascular Plants Database.
	Hairy wood-rush	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Field wood-rush	N/A		1950-2004	Numerous	NBN Vascular Plants Database.

	Heath wood-rush	N/A		1950-1991	Numerous	NBN Vascular Plants Database.
	Hare's-tail cottongrass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
<i>Trichophorum cespitosum</i>	N/A	N/A		1987-2004	Numerous	NBN Vascular Plants Database.
	Floating club-rush	N/A		1977	1 record	NBN Vascular Plants Database.
<i>Eleocharis palustris</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.
	Black bog-rush	N/A		1500-1990	2 records	NBN Vascular Plants Database.
	Tawny sedge	N/A		1500-1988	Numerous	NBN Vascular Plants Database.
	Bottle sedge	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Pill sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Curved sedge	N/A	UK BAP Priority Species	1961-1992	Numerous	NBN Vascular Plants Database.
	White sedge	N/A		1950	1 record	NBN Vascular Plants Database.
	Oval sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Flea sedge	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Purple moor-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Heath-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Perennial rye-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Italian rye-grass	N/A		1950-1970	2 records	NBN Vascular Plants Database.
	Annual meadow-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Poa pratensis</i>	N/A	N/A		1972	1 record	NBN Vascular Plants Database.
	Spreading meadow-grass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.

	Rough meadow-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Cocks-foot	N/A		1970-2004	Numerous	NBN Vascular Plants Database.
	Crested dog's-tail	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Common soft-brome	N/A		1970-2003	Numerous	NBN Vascular Plants Database.
	Sand couch	N/A		1500-1972	3 records	NBN Vascular Plants Database.
	Lyme-grass	N/A		1970-1987	Numerous	NBN Vascular Plants Database.
	Wild-oat	N/A		1500	1 record	NBN Vascular Plants Database.
	Oat	N/A		1970-1987	3 records	NBN Vascular Plants Database.
	Yorkshire-fog	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Wavy hair-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Early hair-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marram-grass	N/A		1950-1987	3 records	NBN Vascular Plants Database.
	Common bent	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Meadow foxtail	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Marsh foxtail	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Sweet vernal-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Reed canary-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Matt grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh marigold	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh buttercup	N/A		1950-2004	Numerous	NBN Vascular Plants Database.



	Creeping buttercup	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Bulbous buttercup	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Lesser celandine	N/A		1950-1972	2 records	NBN Vascular Plants Database.
	Alpine meadow-rue	N/A		1500-1970	2 records	NBN Vascular Plants Database.
	Charlock	N/A		1500	1 record	NBN Vascular Plants Database.
	Sea rocket	N/A		1950-1972	3 records	NBN Vascular Plants Database.
	Cuckooflower	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Wavy bitter-cress	N/A		1987	1 record	NBN Vascular Plants Database.
	Hairy bitter-cress	N/A		1970-1972	2 records	NBN Vascular Plants Database.
	Common milkwort	N/A		1988-2003	2 records	NBN Vascular Plants Database.
	Slender St John's-wort	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Sea campion	N/A		1500-1987	3 records	NBN Vascular Plants Database.
	Moss campion	N/A		1987	2 records	NBN Vascular Plants Database.
	Red campion	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Ragged robin	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Common mouse-ear	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sticky mouse-ear	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sea mouse-ear	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Procumbent pearlwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sea sandwort	N/A		1950-1972	Numerous	NBN Vascular Plants Database.

	Corn spurrey	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Lesser sea-spurrey	N/A		1970-1987	3 records	NBN Vascular Plants Database.
	Common orache	N/A		1950	1 record	NBN Vascular Plants Database.
	Babington's orache	N/A		1950-1977	3 records	NBN Vascular Plants Database.
	Annual sea-blight	N/A		1970	1 record	NBN Vascular Plants Database.
	Fairy flax	N/A		1970-1987	4 records	NBN Vascular Plants Database.
	Meadow crane'sbill	N/A		1500	1 record	NBN Vascular Plants Database.
	Sycamore	N/A		1970-2003	4 records	NBN Vascular Plants Database.
	Red clover	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	White clover	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Kidney vetch	N/A		1950-1972	2 records	NBN Vascular Plants Database.
	Bird's-foot trefoil	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Tufted vetch	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Bush vetch	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Meadow vetchling	N/A		1987-2004	4 records	NBN Vascular Plants Database.
	Meadowsweet	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Raspberry	N/A		1970	2 records	NBN Vascular Plants Database.
	Salmonberry	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Marsh cinquefoil	N/A		1950-1997	Numerous	NBN Vascular Plants Database.
	Silverweed	N/A		1950-2003	Numerous	NBN Vascular Plants Database.

	Tormentil	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Roseroot	N/A		1970	1 record	NBN Vascular Plants Database.
	Flowering currant	N/A		1987	1 record	NBN Vascular Plants Database.
	Round-leaved sundew	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Broad-leaved willowherb	N/A		1987	2 record	NBN Vascular Plants Database.
	Marsh willowherb	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Rosebay willowherb	N/A		1500	1 record	NBN Vascular Plants Database.
	Fuchsia	N/A		1987	2 record	NBN Vascular Plants Database.
	Mare's-tail	N/A		1950-1970	2 records	NBN Vascular Plants Database.
	Autumnal water-starwort	N/A		1900-1970	2 records	NBN Vascular Plants Database.
	Dwarf cornel	N/A		1987	2 records	NBN Vascular Plants Database.
	Cow parsley	N/A		1500-1970	3 records	NBN Vascular Plants Database.
	Caraway	N/A	UK BAP Priority Species	1970	1 record	NBN Vascular Plants Database.
	Pignut	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Ground-elder	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Scots lovage	N/A		1970-1987	4 records	NBN Vascular Plants Database.
	Wild Angelica	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Hogweed	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Polygonum aviculare</i>	N/A	N/A		1988-2004	2 records	NBN Vascular Plants Database.
	Equal-leaved knotgrass	N/A		1950-1980	Numerous	NBN Vascular Plants Database.

	Common bisort	N/A		1970	1 record	NBN Vascular Plants Database.
	Redshank	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Sheep's sorrel	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Common sorrel	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Northern dock	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Curled dock	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Broad-leaved dock	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Small nettle	N/A		1987	1 record	NBN Vascular Plants Database.
	Common nettle	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Bay willow	N/A		1970	1 record	NBN Vascular Plants Database.
	Crack willow	N/A		1500-1950	2 records	NBN Vascular Plants Database.
	Rusty willow	N/A		1987	1 record	NBN Vascular Plants Database.
	Eared willow	N/A		1900-1987	Numerous	NBN Vascular Plants Database.
	Creeping willow	N/A		1987	4 records	NBN Vascular Plants Database.
	Dwarf willow	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Heather	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Cross-leaved heath	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Bell heather	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Cowberry	N/A		1970-1987	3 records	NBN Vascular Plants Database.
	Bilberry	N/A		1500-1991	Numerous	NBN Vascular Plants Database.

	Bog bilberry	N/A		1955-1970	2 records	NBN Vascular Plants Database.
	Water forget-me-not	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Field forget-me-not	N/A		1950-1988	Numerous	NBN Vascular Plants Database.
	Changing forget-me-not	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Oysterplant	N/A		1900-1987	3 records	NBN Vascular Plants Database.
	Potato	N/A		1500	1 record	NBN Vascular Plants Database.
	Monkeyflower	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Foxglove	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Heath speedwell	N/A		1500-1970	3 records	NBN Vascular Plants Database.
	Germander speedwell	N/A		1987	1 record	NBN Vascular Plants Database.
	Thyme-leaved speedwell	N/A		1950-2004	3 records	NBN Vascular Plants Database.
	Wall speedwell	N/A		1970-2003	Numerous	NBN Vascular Plants Database.
	Marsh lousewort	N/A		1500-1988	Numerous	NBN Vascular Plants Database.
	Lousewort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Yellow-rattle	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Slender Scottish eyebright	N/A		1500	1 record	NBN Vascular Plants Database.
<i>Euphrasia ostefeldii</i>	An eyebright	N/A	UK BAP Priority Species	1500-1970	2 records	NBN Vascular Plants Database.
	Common eyebright	N/A		1970	1 record	NBN Vascular Plants Database.
	Little kneeling eyebright	N/A		1958-1987	Numerous	NBN Vascular Plants Database.

	Common butterwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database
	Spear mint	N/A		1987	2 records	NBN Vascular Plants Database.
	Selfheal	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh woundwort	N/A		1950	1 record	NBN Vascular Plants Database.
	Red dead-nettle	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
<i>Galeopsis tetrahit</i>	N/A	N/A		1950-1988	Numerous	NBN Vascular Plants Database.
	Common hemp-nettle	N/A		1970-2003	4 records	NBN Vascular Plants Database.
	Bifid hemp-nettle	N/A		1970-1987	3 records	NBN Vascular Plants Database.
	Greater plantain	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Ribwort plantain	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sea plantain	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Buck's-horn plantain	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Sheep's-bit	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Water lobelia	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Lady's bedstraw	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Heath bedstraw	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh bedstraw	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Cleavers	N/A		1500-1970	Numerous	NBN Vascular Plants Database.
	Elder	N/A		1500-1970	2 records	NBN Vascular Plants Database.
	Honeysuckle	N/A		1987	3 records	NBN Vascular Plants Database.

	Devil's-bit scabious	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Marsh ragwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Groundsel	N/A		1500-2004	Numerous	NBN Vascular Plants Database.
	Magellan ragwort	N/A		1970-2004	Numerous	NBN Vascular Plants Database.
	Elecampane	N/A		1500	1 record	NBN Vascular Plants Database.
	Heath cudweed	N/A		1500-1960	3 records	NBN Vascular Plants Database.
	Marsh cudweed	N/A		1500-1987	3 records	NBN Vascular Plants Database.
	Pearly everlasting	N/A		1970	1 record	NBN Vascular Plants Database.
	Goldenrod	N/A		1970-1987	3 records	NBN Vascular Plants Database.
	Confused Michaelmas-daisy	N/A		1987	1 record	NBN Vascular Plants Database.
	Daisy	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Yarrow	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Sneezewort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Pineappleweed	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Oxeye daisy	N/A		1500-1097	3 records	NBN Vascular Plants Database.
	Tansy	N/A		1500-1970	2 records	NBN Vascular Plants Database.
	Mugwort	N/A		1500-1970	3 records	NBN Vascular Plants Database.
	Spear thistle	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Marsh thistle	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Creeping thistle	N/A		1950-2004	Numerous	NBN Vascular Plants Database.

	Melancholy thistle	N/A		1987-2004	4 records	NBN Vascular Plants Database.
	Common knapweed	N/A		1970	2 records	NBN Vascular Plants Database.
	Cat's-ear	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Autumn hawkbit	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Perennial sow-thistle	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Smooth sow-thistle	N/A		1500-1970	2 records	NBN Vascular Plants Database.
	Prickly sow-thistle	N/A		1970	1 record	NBN Vascular Plants Database.
<i>Empetrum nigrum</i>	N/A	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Crowberry	N/A		1987-2003	Numerous	NBN Vascular Plants Database.
<i>Phleum pratense</i>	N/A	N/A		1950-1988	3 records	NBN Vascular Plants Database.
<i>Stellaria media</i>	N/A	N/A		1950	4 records	NBN Vascular Plants Database.
	Northern knotgrass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
<i>Euphrasia arctica</i>	N/A	N/A		1500-1987	2 records	NBN Vascular Plants Database.
<i>Callitriche hamulata</i>	N/A	N/A		1950-1997	2 records	NBN Vascular Plants Database.
<i>Atriplex prostrata</i>	N/A	N/A		1987	2 records	NBN Vascular Plants Database.
	Common water-starwort	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Great sundew	N/A		1500-1900	3 records	NBN Vascular Plants Database.
	Peppermint	N/A		1500-1999	4 records	NBN Vascular Plants Database.
	Rhubarb	N/A		1500-1999	4 records	NBN Vascular Plants Database.
<i>Phalaris arundinacea</i>	N/A	N/A		1950	1 record	NBN Vascular Plants Database.



<i>Tripleurospermum martimum</i>	N/A	N/A		1950	2 records	NBN Vascular Plants Database.
<i>Rumex crispus</i>	N/A	N/A		1987	1 record	NBN Vascular Plants Database.
	Sand sedge	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Bronze pirri-pirri-bur	N/A		1987	1 record	NBN Vascular Plants Database.
	Brown bent	N/A		1500-2004	Numerous	NBN Vascular Plants Database.
	Smooth lady's mantle	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Bugloss	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Mountain everlasting	N/A		1987	1 record	NBN Vascular Plants Database.
<i>Anthyllis vulneraria</i>	N/A	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Thrift	N/A		1500-2003	Numerous	NBN Vascular Plants Database.
	False oat-grass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Intermediate water-starwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Calystegia sepium</i>	N/A	N/A		1500	1 record	NBN Vascular Plants Database.
	Early orache	N/A		1977-1981	Numerous	NBN Vascular Plants Database.
	Bristle oat	N/A		1500	1 record	NBN Vascular Plants Database.
	Shepherd's-purse	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Stiff sedge	N/A		1950-1987	4 records	NBN Vascular Plants Database.
	Green-ribbed sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Dioecious sedge	N/A		1950-1970	Numerous	NBN Vascular Plants Database.

	Glaucous sedge	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Long-stalked yellow-sedge	N/A		1987	1 record	NBN Vascular Plants Database.
	Small-fruited yellow-sedge	N/A		1500-1987	2 records	NBN Vascular Plants Database.
<i>Cerastium fontanum</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.
	Common scurvy-grass	N/A		1950-1972	2 records	NBN Vascular Plants Database.
<i>Cochlearia officinalis</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.
	Scottish scurvy-grass	N/A	UK BAP Priority Species	1500-1987	4 records	NBN Vascular Plants Database.
	Frog orchid	N/A	UK BAP Priority Species	1500-1987	2 records	NBN Vascular Plants Database.
	Leptinella	N/A		1957-1987	2 records	NBN Vascular Plants Database.
	Heath spotted-orchid	N/A		1970-2004	Numerous	NBN Vascular Plants Database.
	Northern marsh orchid	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Tufted hair-grass	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Short-fruited willowherb	N/A		1970	2 records	NBN Vascular Plants Database.
<i>Euphrasia foulaensis</i>	N/A	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Common slender eyebright	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Meadow fescue	N/A		1500-1988	Numerous	NBN Vascular Plants Database.
<i>Festuca rubra</i>	N/A	N/A		1970-1987	Numerous	NBN Vascular Plants Database.
	Viviparous sheep's fescue	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Large-flowered	N/A		1970	1 record	NBN Vascular Plants Database.

	hemp-nettle					
	Common marsh-bedstraw	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
<i>Gentian amarella</i>	N/A	N/A		1928-1987	Numerous	NBN Vascular Plants Database.
	Field gentian	N/A	UK BAP Priority Species	1950-2004	Numerous	NBN Vascular Plants Database.
	Small sweet-grass	N/A		1987	1 record	NBN Vascular Plants Database.
	Floating sweet-grass	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
<i>Hieracium vinicaule</i>	A hawkweed	N/A	Endemic Shetland species	2002	Present on Yell	Nature in Shetland web-site, Scott <i>et al.</i> 2002.
<i>H. pugsleyi</i>	Pugsley's hawkweed	N/A	Endemic Shetland species	2002	Present on Yell	Nature in Shetland web-site, Scott <i>et al.</i> 2002.
<i>H. klingrahookense</i>	A hawkweed	N/A	Endemic Shetland species	2002	Present on Yell	Nature in Shetland web-site, Scott <i>et al.</i> 2002.
<i>H. sphondylium</i>	N/A	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Purple-tinted hawkweed	N/A		1961	2 records	NBN Vascular Plants Database.
	Pale hawkweed	N/A		1963	2 records	NBN Vascular Plants Database.
	English iris	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	Northern dead-nettle	N/A		1500-1988	Numerous	NBN Vascular Plants Database.
<i>Lapsana communis</i>	N/A	N/A		1970	2 records	NBN Vascular Plants Database.
	Lesser twayblade	N/A		1500-1991	Numerous	NBN Vascular Plants Database.
	Great wood-rush	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Crab apple	N/A		1987	1 record	NBN Vascular Plants Database.
<i>Molinia caerulea</i>	N/A	N/A		1500-1988	Numerous	NBN Vascular Plants Database.

<i>M. fontana</i>	N/A	N/A		1987-2004	Numerous	NBN Vascular Plants Database.
	Tufted forget-me-not	N/A		1500-1997	Numerous	NBN Vascular Plants Database.
	Creeping forget-me-not	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Daffodil	N/A		1987	4 records	NBN Vascular Plants Database.
	Bog asphodel	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Timothy	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
<i>Pendicularis sylvatica</i>	N/A	N/A		1500-1987	4 records	NBN Vascular Plants Database.
	White butterbur	N/A		1500	1 record	NBN Vascular Plants Database.
	Masterwort	N/A		1500	1 records	NBN Vascular Plants Database.
<i>Plantago major</i>	N/A	N/A		1970-1987	4 records	NBN Vascular Plants Database.
	Heath milkwort	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Polygala vulgaris</i>	N/A	N/A		1987	3 records	NBN Vascular Plants Database.
<i>Potentilla erecta</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.
	Primrose	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Northern saltmarsh grass	N/A		1500-1987	3 records	NBN Vascular Plants Database.
	Common saltmarsh grass	N/A		1500-1972	2 records	NBN Vascular Plants Database.
<i>Ranunculus ficaria</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.
<i>R. flammula</i>	N/A	N/A		1950-1987	Numerous	NBN Vascular Plants Database.
	Wild radish	N/A		1500-2003	Numerous	NBN Vascular Plants Database.
<i>Rhinanthus minor</i>	N/A	N/A		1950-1972	2 records	NBN Vascular Plants Database.

	Glaucous dog-rose	N/A		1500-1987	3 records	NBN Vascular Plants Database.
	Japanese rose	N/A		1500-1970	3 records	NBN Vascular Plants Database.
	Common sorrel	N/A		1987	4 records	NBN Vascular Plants Database.
	Sheep's sorrel	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Rumex crispus</i>	N/A	N/A		1987	1 record	NBN Vascular Plants Database.
	Sea pearlwort	N/A		1987	4 records	NBN Vascular Plants Database.
	Heath pearlwort	N/A		1500-1987	3 records	NBN Vascular Plants Database.
	Spring squill	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Sidalcea	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Greater sea-spurrey	N/A		1970	2 records	NBN Vascular Plants Database.
	Spiraea	N/A		1970-1987	2 records	NBN Vascular Plants Database.
	Bog stitchwort	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Common chickweed	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Dandelion	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Wild thyme	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
	Deergrass	N/A		1950-1091	Numerous	NBN Vascular Plants Database.
	Sea mayweed	N/A		1987-2003	Numerous	NBN Vascular Plants Database.
	Common field-speedwell	N/A		1987-1988	2 records	NBN Vascular Plants Database.
<i>Veronica serpyllifolia</i>	N/A	N/A		1500	4 records	NBN Vascular Plants Database.
<i>Viola palustris</i>	N/A	N/A		1987	4 records	NBN Vascular Plants Database.

	Common dog-violet	N/A		1950-2004	Numerous	NBN Vascular Plants Database.
<i>Viola tricolor</i>	N/A	N/A		1970-1987	2 records	NBN Vascular Plants Database.
<i>Elytrigia repens</i>	N/A	N/A		1970-1987	4 records	NBN Vascular Plants Database.
	Sparse-leaved hawkweed	N/A		1969-1988	2 records	NBN Vascular Plants Database.
	Russian comfrey	N/A		1500-2003	Numerous	NBN Vascular Plants Database.
	Montbretia	N/A		1970-2000	Numerous	NBN Vascular Plants Database.
	Broad-leaved osier	N/A		1500-1990	4 records	NBN Vascular Plants Database.
	False apple-mint	N/A		1970-1999	3 records	NBN Vascular Plants Database.
	Common couch	N/A		1950-1972	3 records	NBN Vascular Plants Database.
	Dame's violet	N/A		2003	1 record	NBN Vascular Plants Database.
	Garden lady's-mantle	N/A		2004	1 record	NBN Vascular Plants Database.
	Coltsfoot	N/A		2004	1 record	NBN Vascular Plants Database.
<i>Apium graveolens</i>	N/A	N/A		2004	1 record	NBN Vascular Plants Database.
	Perennial cornflower	N/A		2004	1 record	NBN Vascular Plants Database.
<i>Luzula multiflora</i>	N/A	N/A		2004	1 record	NBN Vascular Plants Database.
	Red fescue	N/A		2004	1 record	NBN Vascular Plants Database.
	Lesser soft-brome	N/A		2003	1 record	NBN Vascular Plants Database.
	Wilson's filmy-fern	N/A		1960-1987	3 records	NBN Vascular Plants Database.
	Bracken	N/A		1987	1 record	NBN Vascular Plants Database.
	Hard-fern	N/A		1950-2003	Numerous	NBN Vascular Plants Database.

	Sea spleenwort	N/A		1987	2 records	NBN Vascular Plants Database.
	Lady-fern	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Oak fern	N/A		1960-1970	2 records	NBN Vascular Plants Database.
	Polypody	N/A		1960-1987	Numerous	NBN Vascular Plants Database.
	Moonwort	N/A		1500-2004	Numerous	NBN Vascular Plants Database.
	Male-fern	N/A		1500-1987	Numerous	NBN Vascular Plants Database.
	Scaly male-fern	N/A		1987	1 record	NBN Vascular Plants Database.
	Broad buckler fern	N/A		1950-2003	Numerous	NBN Vascular Plants Database.
	Small adder's tongue	N/A		1960-1987	3 records	NBN Vascular Plants Database.
	Lemon-scented fern	N/A		1960-1970	2 records	NBN Vascular Plants Database.

### **Non-vascular plants (mosses, liverworts and lichens)**

Recent botanical publications have focussed on lower plants in Shetland e.g. Dalby & Dalby (2005) Shetland Lichens. Much lower plant data resides with the Shetland Biological Records Centre, their data has not been incorporated into this desk study. An initial search of NBN records centred on Canis Dale within the Site provides a list of 182 lichen species and 218 mosses and liverworts.