

County Down

Scarce, Rare and Extinct Vascular Plant Register



Graham Day



Edited by Julia Nunn

2024

County Down Scarce, Rare & Extinct Vascular Plant Register and Checklist of Species

Graham Day

Author of species accounts and record editor: Graham Day

General editor: Julia Nunn

2024

These records have been selected from the database held by the Botanical Society of Britain and Ireland, the Centre for Environmental Data and Recording at the National Museums of Northern Ireland, and the personal database held by Graham Day as BSBI vice-county recorder for County Down.

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

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

Cover design by Graham Day

Cover photographs:

Mourne Mountains from Murlough National Nature Reserve © Graham Day

Huperzia selago © Graham Day

Mertensia maritima © Graham Day

Spiranthes spiralis © Graham Day

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PREFACE TO 3RD EDITION OF THE REGISTER

This is the third edition of the register, the first in 2004 (the first Register for the island of Ireland on behalf of the BSBI) and the second in 2008. The earlier editions were produced in cooperation with Paul Hackney, then Curator of Botany at the National Museums Northern Ireland, whose learned input was highly insightful, and who generously shared his expertise and support for this project.

Graham Day
May 2024

FORWARD TO 1ST AND 2ND EDITIONS OF THE REGISTER

County Down is distinguished among Irish counties by its relatively diverse and interesting flora, as a consequence of its range of habitats and long coastline. It is also distinguished by having been the subject, together with its neighbours of Antrim and Londonderry, of three county floras, published at intervals of some 50 years as the *Flora of the North-East of Ireland*. It is therefore one of the better known counties of Ireland, floristically speaking. The third edition of this *Flora* was edited by Paul Hackney, who was the vice-county recorder for county Down for the Botanical Society of Britain and Ireland until 1999. Since then, Graham Day has taken on this mantle, and has recorded actively for the *New Atlas of the British & Irish Flora*, as well for this Register.

The Register differs from the *Flora of the North-East of Ireland* in that it gives much more detail concerning many fewer species. It concentrates on those which are rare, on either the national or the local scale or both. In doing so, it draws attention to many species which need to be the subject of conservation action, whether directed at the species themselves or at the habitats they occupy, if they are to survive and flourish in the county. It also draws attention to some species of which the extent and credibility of the supposed records is questionable, and where it would be advisable to concentrate on verification of the current distribution.

The Register is thus a major contribution to the study of biodiversity in county Down and, as a trend-setter, to that of Ireland as a whole. More importantly, perhaps, it should also facilitate the conservation of biodiversity, and help to bring about activities designed to protect those plant species which are most at risk.

John Faulkner
Director of Natural Heritage,
Environment and Heritage Service

FORWARD TO 3RD EDITION OF THE REGISTER

Twenty years have elapsed since the first edition of the Register for Co. Down was published in 2004. In those years, Graham Day and others have done a great deal of botanical recording throughout the county, and must be congratulated on this massive voluntary effort. There are now similar registers available for six Irish counties, but Co. Down stands out as the only one to have reached its third edition.

The outcome of all this recording is a much enhanced and updated database of plant records. Overwhelmingly, the new records are of common species, many of them introductions to Ireland. Relatively few are of the plants that were listed in the first edition. Why? It is because scarce and rare native species have remained so, and in many cases declined further. Sad though this observation may be, it underlines the value of recording plants comprehensively throughout a county, and of drawing the information together in the form of a register of species most at risk. Because the loss of plant diversity, like most environmental change, happens quietly and gradually, it is grossly underestimated. Only by documenting and continually drawing attention to the decline of threatened plants and other living things, can we expect that awareness of what is happening under our very noses will grow. And only as awareness grows, can we expect that effective measures to reverse these trends will be enacted.

John Faulkner
Vice-county recorder for Co. Armagh

INTRODUCTION

This register has been produced as part of a Botanical Society of Britain and Ireland (BSBI) initiative to highlight plants whose scarcity is a cause for concern. It is intended that the Register be up-dated at regular intervals to include new records.

- ❑ It includes only species within the vice-county boundary for county Down (H38) (Figure 1).
- ❑ It includes native and some introduced higher plants. Casual species are listed separately.
- ❑ It lists plant species and some hybrids that are currently scarce, rare and extinct within the Down vice-county, and those that are protected under international or national legislation, but are not necessarily rare or scarce in the vice-county.
- ❑ It does not include lower plants, as the distribution of these is inadequately known in county Down.
- ❑ Also included are plant species that have been recorded in error.

The criteria used for inclusion in the Register are:

- ❑ Listed/occurring in EC Habitats and Species Directive Annex IIb, IVb or Vb; or Appendix I of the Bern Convention or Appendix I or II of CITES.
- ❑ Listed in the British or Irish Red Data Books for vascular plants: Cheffings *et al.* (2005) & Wyse Jackson *et al.* (2016).
- ❑ Listed in Schedule 8 of the Wildlife (Northern Ireland) Order 1985 as amended by the Wildlife and Natural Environment Act (Northern Ireland) 2011.
- ❑ Listed in the Flora (Protection) Order 2015 (Republic of Ireland).
- ❑ Listed as Northern Ireland Priority Species (2023) or Northern Ireland Species of Conservation Concern (2004).
- ❑ Native species formerly occurring in the vice-county, but now extinct.
- ❑ Species occurring in 10 or less of 1km squares in the vice-county (Scarce).
- ❑ Species occurring in 3 or less of 1km squares in vice-county (Rare).
- ❑ Non-native species that are of biological, historical or cultural interest.

CONSERVATION LEGISLATION CATEGORIES

Plant species may be protected under international and national legislation. Internationally protected species are listed in CITES, the Bern Convention, IUCN Red Data lists and EU Habitats Directive.

In Northern Ireland, all wild plants are given some measure of protection under the Wildlife (N.I.) Order, 1985, as amended by the Wildlife and Natural Environment Act (Northern Ireland) 2011. Seventy-one species, listed in Schedule 8, parts 1 and 2 (Table 1 below) are given special protection. *Trichomanes speciosum* and *Saxifraga hirculus*, which had been listed on Schedule 8, Part 1 of the Wildlife (Northern Ireland) Order 1985, were removed from this Schedule under regulation 40 of the Conservation (Natural Habitats, etc.) (Amendment) Regulations (Northern Ireland) 2007 (S.R. 2007/345), their legal protection in Northern Ireland instead being provided by regulation 38 of this Statutory Rule.

The order has the effect that, unless you have a licence, you may not:

intentionally pick, uproot or destroy any wild plants listed in the schedule, or even collect their flowers and seeds; sell these plants or their seeds if taken from the wild; uproot any wild plants intentionally, except on your own land or with permission.

In 2004, a list of Species of Conservation Concern were published by Northern Ireland Environment Agency. This criterion was included in earlier versions of this Rare Plant Register. In January 2023, this list was largely superceded by the publication of a list of Northern Ireland Priority Species by DAERA on their web site at <https://www.daera-ni.gov.uk/articles/northern-ireland-priority-species>.

The criteria for inclusion on this list are detailed on this web site. Both lists are included in the species accounts below.

Species that are listed under the Flora (Protection) Order, 2015 (Republic of Ireland) are also included. In addition, a number of UK Priority species are found in Northern Ireland, of which five have been recorded from county Down. These are listed in Table 2 (see below).

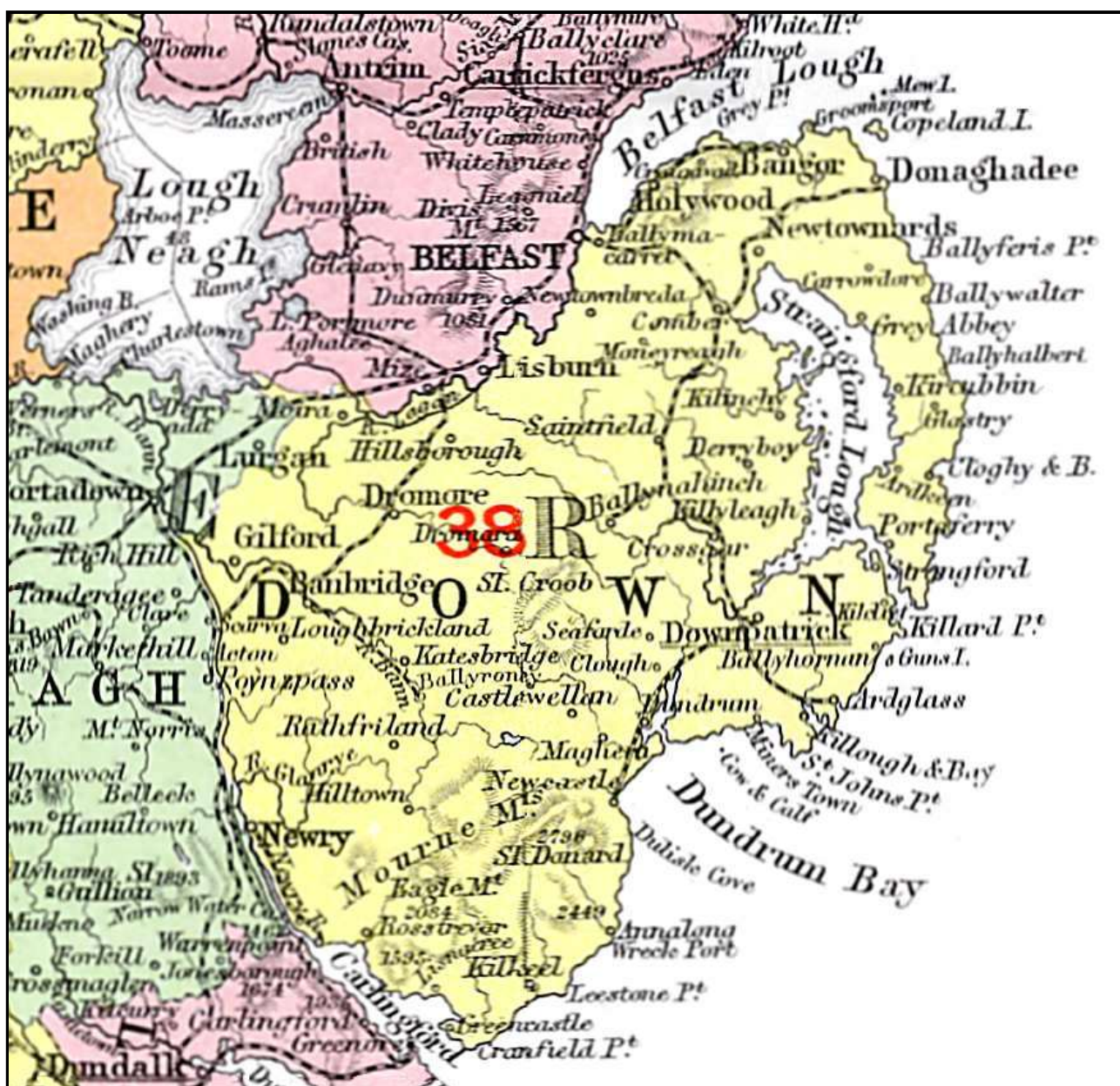


Figure 1. Vice-county H38 Down (modified from *Praeger 1901*)

Table 1. Plants listed in the Wildlife Order (N.I.) 1985, Schedule 8, part 1 as amended by the Wildlife and Natural Environment Act (Northern Ireland) 2011

<i>Adoxa moschatellina</i>	<i>Ajuga pyramidalis</i>	<i>Anacamptis morio</i>	<i>Andromeda polifolia</i>
<i>Artemisia maritima</i>	<i>Calamagrostis epigejos</i>	<i>Calamagrostis stricta</i>	<i>Carex bigelowi</i>
<i>Carex magellanica</i>	<i>Carex pauciflora</i>	<i>Centaureum littorale</i>	<i>Ceratophyllum submersum</i>
<i>Cirsium heterophyllum</i>	<i>Crambe maritima</i>	<i>Cryptogramma crispa</i>	<i>Cuscuta epithymum</i>
<i>Dactylorhiza lapponica</i>	<i>Dactylorhiza traunsteinerioides</i>	<i>Diphasiastrum alpinum</i>	<i>Dryas octopetala</i>
<i>Eleocharis parvula</i>	<i>Epipactis palustris</i>	<i>Epipactis phyllanthes</i>	<i>Erica vagans</i>
<i>Erigeron acris</i>	<i>Frangula alnus</i>	<i>Gentianella amarella</i>	<i>Geranium pratense</i>
<i>Geranium sylvaticum</i>	<i>Gymnocarpium dryopteris</i>	<i>Hammarbya paludosa</i>	<i>Hierochloe odorata</i>
<i>Hottonia palustris</i>	<i>Hyoscyamus niger</i>	<i>Hypericum hirsutum</i>	<i>Hypochaeris glabra</i>
<i>Hypopitys monotropa</i>	<i>Juniperus communis</i>	<i>Limonium binervosum</i>	<i>Limosella aquatica</i>
<i>Lycopodiella inundata</i>	<i>Lycopodium clavatum</i>	<i>Melampyrum sylvaticum</i>	<i>Mentha pulegium</i>
<i>Mertensia maritima</i>	<i>Neotinea maculata</i>	<i>Ophrys apifera</i>	<i>Ornithopus perspusillus</i>
<i>Orobanchae hederaceae</i>	<i>Orthilia secunda</i>	<i>Polystichum lonchitis</i>	<i>Primula veris</i>
<i>Pseudorchis albida</i>	<i>Ranunculus fluitans</i>	<i>Rhynchospora fusca</i>	<i>Rubus chamaemorus</i>
<i>Sanguisorba officinalis</i>	<i>Saussurea alpina</i>	<i>Saxifraga aizoides</i>	<i>Saxifraga oppositifolia</i>
<i>Scrophularia umbrosa</i>	<i>Silene acaulis</i>	<i>Sisyrinchium bermudiana</i>	<i>Spiranthes romanzoffiana</i>
<i>Teesdalia nudicaulis</i>	<i>Thalictrum alpinum</i>	<i>Trollius europaeus</i>	<i>Vicia orobus</i>
<i>Viola persicifolia</i>			
<i>Hyacinthoides non-scripta</i> *	<i>Primula vulgaris</i> *	<i>Saxifraga hirculus</i> **	<i>Trichomanes speciosum</i> **

* listed in Schedule 8, part 2 and may be picked but not uprooted. **Listed in Schedule 38
Those listed in red are or have been present in county Down.

Table 2. UK Priority plant species (2007) in Northern Ireland

<i>Ajuga pyramidalis</i>
<i>Calamagrostis stricta</i>
<i>Centaurea cyanus</i>
<i>Chamaemelum nobile</i>
<i>Chenopodium urbicum</i>
<i>Clinopodium acinos</i>
<i>Cochlearia officinalis ssp. scotica</i>
<i>Coeloglossum viride</i>
<i>Dactylorhiza purpurella ssp. cambrensis</i>
<i>Fumaria purpurea</i>
<i>Gentianella campestris</i>
<i>Hypopitys monotropa</i>
<i>Juniperus communis</i>
<i>Lycopodiella inundata</i>
<i>Melampyrum sylvaticum</i>
<i>Mentha pulegium</i>
<i>Minuartia hybrida</i>
<i>Oenanthe fistulosa</i>
<i>Ophrys insectifera</i>
<i>Pilularia globulifera</i>
<i>Platanthera bifolia</i>
<i>Polystichum lonchitis</i>
<i>Pseudorchis albida</i>
<i>Salsola kali ssp. kali</i>
<i>Saxifraga hirculus</i>
<i>Scirpoides holoschoenus</i>
<i>Scleranthus annuus</i>
<i>Silene gallica</i>
<i>Sium latifolium</i>
<i>Spiranthes romanzoffiana</i>
<i>Stellaria palustris</i>
<i>Viola persicifolia</i>

Those listed in red are or have been present in County Down.

Table 3. Northern Ireland Priority plant species (2023)

<i>Adoxa moschatellina</i>	<i>Dryas octopetala</i>	<i>Isoetes echinospora</i>	<i>Salix herbacea</i>
<i>Ajuga pyramidalis</i>	<i>Elatine hexandra</i>	<i>Juniperus communis</i>	<i>Salix myrsinifolia</i>
<i>Anacamptis morio</i>	<i>Eleocharis parvula</i>	<i>Lamium confertum</i>	<i>Salsola kali</i>
<i>Andromeda polifolia</i>	<i>Epipactis phyllanthes</i>	<i>Ligusticum scoticum</i>	<i>Sanguisorba officinalis</i>
<i>Anthriscus caucalis</i>	<i>Equisetum hyemale x variegatum = E. x trachyodon</i>	<i>Limonium procerum</i>	<i>Saussurea alpina</i>
<i>Arctostaphylos uva-ursi</i>	<i>Erica vagans</i>	<i>Limosella aquatica</i>	<i>Saxifraga aizoides</i>
<i>Artemisia maritima</i>	<i>Erigeron acer</i>	<i>Linaria repens</i>	<i>Saxifraga hirculus</i>
<i>Asplenium viride</i>	<i>Erodium lebelii</i>	<i>Linum radiola</i>	<i>Saxifraga oppositifolia</i>
<i>Ballota nigra</i>	<i>Erodium maritimum</i>	<i>Lithospermum officinale</i>	<i>Scleranthus annuus</i>
<i>Brachypodium pinnatum</i>	<i>Euphorbia exigua</i>	<i>Lycopodiella inundata</i>	<i>Scrophularia umbrosa</i>
<i>Bromopsis erecta</i>	<i>Euphrasia salisburgensis</i>	<i>Lycopodium clavatum</i>	<i>Silene acaulis</i>
<i>Calamagrostis epigejos</i>	<i>Filago germanica</i>	<i>Lysimachia minima</i>	<i>Silene gallica</i>
<i>Calamagrostis stricta</i>	<i>Frangula alnus</i>	<i>Melampyrum sylvaticum</i>	<i>Sisyrinchium bermudiana</i>
<i>Carex acuta</i>	<i>Fumaria purpurea</i>	<i>Mentha pulegium</i>	<i>Sium latifolium</i>
<i>Carex bigelowii</i>	<i>Galium uliginosum</i>	<i>Mertensia maritima</i>	<i>Sorbus devoniensis</i>
<i>Carex elongata</i>	<i>Gentianella amarella</i>	<i>Micranthes stellaris</i>	<i>Sorbus hibernica</i>
<i>Carex muricata</i>	<i>Gentianella campestris</i>	<i>Neotinea maculata</i>	<i>Sorbus rupicola</i>
<i>Carex pauciflora</i>	<i>Geranium pratense</i>	<i>Ornithopus perpusillus</i>	<i>Spiranthes romanzoffiana</i>
<i>Carum verticillatum</i>	<i>Geranium sylvaticum</i>	<i>Orthilia secunda</i>	<i>Stellaria pallida</i>
<i>Centaurium littorale</i>	<i>Gnaphalium sylvaticum</i>	<i>Phegopteris connectilis</i>	<i>Stellaria palustris</i>
<i>Ceratophyllum submersum</i>	<i>Groenlandia densa</i>	<i>Polystichum lonchitis</i>	<i>Teesdalia nudicaulis</i>
<i>Chaerophyllum temulum</i>	<i>Hammarbya paludosa</i>	<i>Pseudorchis albida</i>	<i>Thalictrum alpinum</i>
<i>Cirsium heterophyllum</i>	<i>Helminthotheca echioides</i>	<i>Pyrola media</i>	<i>Thelypteris palustris</i>
<i>Coeloglossum viride</i>	<i>Hieracium basalticola</i>	<i>Ranunculus baudotii</i>	<i>Torilis nodosa</i>
<i>Crambe maritima</i>	<i>Hordelymus europaeus</i>	<i>Ranunculus fluitans</i>	<i>Trichomanes speciosum</i>
<i>Cryptogramma crispa</i>	<i>Hottonia palustris</i>	<i>Ranunculus penicillatus</i> ssp. <i>pseudofluitans</i>	<i>Trichophorum cespitosum</i>
<i>Cuscuta epithymum</i>	<i>Hymenophyllum tunbrigense</i>	<i>Rhynchospora fusca</i>	<i>Trifolium ornithopodioides</i>
<i>Cynoglossum officinale</i>	<i>Hyoscyamus niger</i>	<i>Rubus chamaemorus</i>	<i>Trollius europaeus</i>
<i>Diphasiastrum alpinum</i>	<i>Hypochaeris glabra</i>	<i>Ruppia cirrhosa</i>	<i>Vicia lathyroides</i>
<i>Draba incana</i>	<i>Hypopitys monotropa</i>	<i>Sagina subulata</i>	<i>Vicia orobus</i>

Those listed in red are or have been recorded present in county Down.

THE SPECIES ACCOUNTS

Each species chosen is listed according to the following format:

Species Author Common name	European category Irish Red Data Book category Local criterion	N.I. category British Red Data Book category Last seen: year
Species account (text)		
Location	Grid Ref.	Date
Species records listed <i>reference (if relevant)</i>		

Genera and higher taxa are listed in taxonomic order (Stace, 2019). Species are listed in alphabetic order within their genus. The Latin and English names of vascular plants used are those in the *Field Flora of the British Isles* (Stace, 2019). Non-native species may be classified as archaeophyte or neophyte, which is dependent on their introduction pre- or post- 1500CE. Plant records are up to and including 2023.

The conservation status and status with regard to protection under legislation for each species may be given in the header line of the species using one or more of the following codes:

WO Wildlife Order 1985 (Northern Ireland), including amendments under the Environment Act (NI) 2011
FPO Flora Protection Order 2015 (Republic of Ireland)
WCA Wildlife & Countryside Act 1981 (Great Britain)

Those species appearing in the Irish Red Data Book for Vascular Plants (Wyse Jackson *et al.*, 2016) or British Red Data Book for Vascular Plants (Cheffings *et al.*, 2005) are also listed. These categories include some species that occur in more than 10 sites in the county.

Irish Red Data Book categories (Wyse Jackson *et al.*, 2016 pp. 16-17, 20-32 for criteria)

RDB Regionally Extinct
RDB Critically Endangered
RDB Endangered
RDB Vulnerable
RDB Near Threatened
RDB Waiting List
RDB Least Concern

British Red Data Books categories used (Cheffings *et al.*, 2005 pp. 17-21 for criteria)

RDB Extinct
RDB Extinct in the wild
RDB Critically Endangered
RDB Endangered
RDB Vulnerable
RDB Near Threatened
RDB Least Concern
RDB Data Deficient

The **Local criterion** for each species is given in the header line for the species using one of the following codes:

1. Any native taxon that has occurred wild in the area since 1950, and that has occurred in 3 or fewer sites (**Rare**).
 2. Any native taxon that has occurred wild in the area since 1950, and that has occurred in 10 or fewer sites (**Scarce**).
 3. Any non-native taxon which has been long established in 3 or fewer sites, or which is of special biological, historical or cultural interest.
- R.** Restricted area - occurs at 10 or more sites, but restricted to 1 or 2 x 10km squares in the county.
- DD.** Data deficient
- Extinct.** Not seen since 1950.
- Uncategorised.** A taxon that does not fit the local criteria listed above.

For each species there may be a brief account of its current status, possible cause of changes in population or distribution, and whether it is native or not.

Records listed after the taxon accounts cover all stations at which the taxon has been recorded. A prolonged absence is normally assumed to indicate extinction. Grid references for each species are given as six figures where possible. Recorders are identified by name. The records are ordered by grid reference (10km).

KEY TO ABBREVIATIONS USED IN THE TEXT AND THE RECORDS

ASSI	Area of Special Scientific Interest
BEL	Herbarium, National Museums Northern Ireland
BNFC	Belfast Naturalists' Field Club
BSBI	Botanical Society of Britain and Ireland
EHS	Environment & Heritage Service (now Northern Ireland Environment Agency)
GPS	Global Positioning System
N.I.	Northern Ireland
NIEA	Northern Ireland Environment Agency (Department of Agriculture, Environment and Rural Affairs)
NNR	National Nature Reserve
NR	Nature Reserve
RDB	Red Data Book
RSPB	Royal Society for the Protection of Birds

CONTACT DETAILS

Full details of all records are held by the BSBI vice-county recorder. In some cases, information about precise localities may have to remain confidential in order to respect the wishes of landowners or to maintain the integrity of reserves or fragile habitats.

Any information on new or updated records or further enquiries should be directed to the vice-county recorder:

Dr. Graham Day
2 Windmill Lane, Portaferry, Co. Down BT22 1RW

A full copy of the county Down records is also held by CEDaR (Centre for Environmental Data and Recording), the Local Records Centre for Northern Ireland, to whom requests for further information may also be addressed.

Enquiries should be directed to:

CEDaR, National Museums Northern Ireland, 153 Bangor Road, Cultra, Holywood,
Co. Down BT18 0EU

Email: cedar.info@nmni.com

Website: www.habitas.org.uk/cedar

ACKNOWLEDGEMENTS

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SPECIES ACCOUNTS FOR SCARCE, RARE & EXTINCT VASCULAR PLANTS

LYCOPHYTES

LYCOPODIACEAE

Lycopodium clavatum Linnaeus
Stag's-horn Clubmoss

Euro.: Least Concern
Ir.: RDB Near Threatened
Local: 1
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: WO
Brit.: RDB Least Concern
Last seen: 2022

An attractive scarce perennial native found on heaths and moorland. It has been found most frequently in the Mourne Mountains where it was first reported before 1744 (Harris 1744). It has suffered losses from mainly agricultural pressure including overgrazing, burning and improvement. It is no longer present at Conlig due to building development. This species appears to be still declining, presumably from heather burning or over-grazing, and may now be restricted to stations at Spaltha, Spelga and Butter Mountains. It is vulnerable to further losses e.g. from climate change or fire.

Location	Grid Ref.	Date	Recorder
Mourne Mountains	J22	pre-1744	Unknown
Slievenamiskan, Mourne Mountains	J263271	04 Jul 1991	C. Wilson
head of Kinnahalla River on Spaltha Mountain	J272287	01 Jun 1989	J. Harron
	J272287	22 Sep 1992	J. Harron
Spaltha and Spelga Mountains	J25782831 J26872845 J27002854 J27272866	01 Apr 2007	G.V. Day
	J27352882 J27562805 J27612816 J26662826 J26862857	25 Aug 2013	G.V. Day
	J26732834 J26642824	07 Jun 2022	G.V. Day & V. Macartney
	J284288	16 Jul 1991	S. Gallagher
Butter Mountain	J27572809 J27612815 J27622815 J27632817	07 Jun 2022	G.V. Day & V. Macartney
	J2824	1965	J.E. Greer
Slieve Muck	J2825	1965	J. Groves
	J23	1955	J.S. Pate & B.E.S. Gunning
above Slievenaman, Mourne Mountains - roadside near water works	J23	1955	J.S. Pate & B.E.S. Gunning
Portadown reservoir, Mourne Mountains - sparingly on roadside near reservoir at c. 308m. Road widening operations were noted as potentially soon to exterminate the colony	unknown	1957	B.E.S. Gunning & J.S. Pate
Slieve Donard, Mourne Mountains - 1 plant at c. 754m	J32	pre-1890	S.A. Stewart & R.Ll. Praeger
Slieve Donard, Mourne Mountains	J32	1892	C.H. Waddell
	J32	1908	N. Carrothers
Slieve Commedagh, Mourne Mountains	J3428	pre-1895	H.W. Lett
top of Black Mountain, Tollymore Forest Park	J33	pre-1888	C. Dickson
Bryansford	J3433	1879	R.P. Vowell
Conlig	J500780	1950	E.N. Carrothers

***Diphasiastrum alpinum* (L.) Holub**
Alpine Clubmoss

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2019**

A native, found only in the Mourne Mountains, that was first reported before 1744 (Harris 1744). It has suffered losses from mainly agricultural pressure including overgrazing, burning and improvement. This species appears to be declining, and is vulnerable to further losses e.g. from climate change or fire.

Location	Grid Ref.	Date	Recorder
Mourne Mountains	J22	1744	Unknown
	J22	1871	Unknown
	J22	1895	S.A. Stewart & R.Ll. Praeger
Slievemeel	J208216	22 Sep 1994	P. Corbett
Castle Bog, Leitrim Td	J230235	1981	P. Hackney
Tievedockaragh	J231232	26 Jul 1991	C. Wilson & S. Gallagher
Finlieve	J236204	13 Aug 1991	C. Wilson & S. Gallagher
	J236204	26 Aug 1992	J. Harron
	J242190	12 Aug 1991	C. Wilson & S. Gallagher
Eagle Mountain	J2423	1981	P. Hackney
Red Moss River	J245201	12 Sep 1990	J. Harron
Spelga Mountain	J2628	25 Aug 2013	G.V. Day
	J26672821	01 Apr 2007	G.V. Day
Deer's Meadow	J2726	1970	P. Hackney
Spaltha Mountain	J270287	01 Jun 1989	J. Harron
Slievenamuck	J27572832	01 Apr 2007	G.V. Day
Sieve Muck	J2824	1969	M.P.H Kertland & D.S. Lambert
	J281250		
	J2824	1982	P. Hackney
	J281249	23 May 1990	C. Wilson & C. Byrne
	J279249	17 Aug 1992	J. Harron
	J2825	15 Aug 2002	G.V. Day & P. Hackney
	J28152531	01 Apr 2007	G.V. Day
	J28192558		
	J2824 J28092496 J2825 J28322581	21 Aug 2010	G.V. Day
	J279246 J28282497 J28322582	09 Mar 2019	R.L. Hodd
Carn Mountain	J2826	1892	S.A. Stewart & R.Ll. Praeger
Shimna River at Moyad Td	J289297	11 Jun 1989	J. Harron
Slieve Loughshannagh	J294272	12 Jul 1990	C. Wilson & C. Byrne
Slieve Meelbeg	J298282	11 Jun 1989	J. Harron
	J3027	1892	S.A. Stewart & R.Ll. Praeger
	J3027	1989	J. Harron
Slieve Bearnagh	J311281	13 Sep 1990	C. Wilson & C. Byrne
	J312280	1908	H.C. Hart
	J312286	1892	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Slieve Binnian	J3223	1890	R.Ll. Praeger
	J32	1899	R.Ll. Praeger
Shan Slieve	J3429	1892	S.A. Stewart & R.Ll. Praeger
	J34592960 J34592971 J34642955	15 Oct 2006	G.V. Day
Slieve Commedagh	J3428	1908	H.C. Hart
	J3428	1916	S.A. Bennett
	J3428	1956	M.S. Gunning
	J346286 J347292	31 Oct 1971	J. Harron
	J347292	10 Sep 1982	J. Harron
	J346286	22 Jun 1990	C. Wilson & C. Byrne
	J343285	25 Jun 1990	C. Wilson & C. Byrne
Slieve Donard	J32	1825	J. Templeton
	J32	1879	R.P. Vowell
	J32	1916	S.A. Bennett
	J32	1985	NIEA
	J358277	1992	J.A. Lister, M. Flatt & P. Jackson
	J354278	13 Oct 1994	NIEA
	J3527	10 Aug 2001	G.V. Day
	J35952803	20 Sep 2008	G.V. Day
Slievenamaddy	J3529	02 Jul 1992	M. Flatt & P. Jackson
Chimney Rock Mountain	J3625	1892	S.A. Stewart & R.Ll. Praeger
	J360260	17 Sep 2003	NIEA

SELAGINELLACEAE

Selaginella kraussiana (Kunze) A. Braun

Krauss's Clubmoss

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **not listed**Last seen: **2022**

An introduced perennial grown for ground cover and which has become naturalised. It was first found at Castlewellan in 1992 and was seen again in 1998, but may have gone from that site due to grounds maintenance. The population in Down, while small, otherwise seems secure.

Location	Grid Ref.	Date	Recorder
Hillsborough Castle Estate	J2358 J24085884	16 Jun 2019	G.V. Day, D. Riley & V. Macartney
Annesley Arboretum, Castlewellan	J335371	1992	P. Hackney & D. Getty
	J335371	08 Apr 1998	P. Hackney
Tollymore Forest Park	J341326	11 Sep 2002	D.T. Holyoak
Mount Stewart	J55126963	01 Sep 2004	P.R. Green & M.L. Stephens
	J551695	26 Mar 2022	I. McNeill

ISOETACEAE

Isoetes lacustris Linnaeus
Quillwort

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2014**

A scarce native submerged aquatic perennial found in nutrient-poor water including loughs and a reservoir. It was first recorded in 1899 at Lough Neagh, but has not been seen at this site since. It has been found mainly in and close to the Mourne Mountains. There has been an improvement in recording this species, but it has declined, especially in lowland sites, probably due to eutrophication. This species may be secure at upland stations, but is vulnerable at most others because of sensitivity to agricultural eutrophication.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh - considerable quantity near streamlet entering Lough Neagh	J0863	Jun 1899	J.H. Davies
Greenan Lough	J119233	1988	J. Harron
small lough at Aghnamoira	J122201	1988	J. Harron
Lough Shannagh, Mourne Mountains	J2926	pre-1890	S.A. Stewart & R.Ll. Praeger
Binnian Lough, Mourne Mountains	J3224	1883	H.C. Hart
	J32	1951	M.P.H. Kertland
	J32	1956	B.E.S. Gunning & J.S. Pate
	J32	1961	M.P.H. Kertland
	J325242	19 Aug 1990	N.I. Lake Survey
Blue Lough, Mourne Mountains	J3027	1890	R.Ll. Praeger
	J3027	1956	B.E.S. Gunning & J.S. Pate
	J327253	1988	P. Raven
	J328252	25 Jul 1988	N.I. Lake Survey
	J327252	22 Aug 2006	ENSIS
	J326251	27 Aug 2014	S. Dowman, E. Shilland, ENSIS
Castlewellan Lake, Castlewellan Forest Park	J327252	27 Aug 2014	S. Dowman, E. Shilland, ENSIS
	J325368	22 Aug 1990	N.I. Lake Survey
	J326368	21 Aug 2006	ENSIS
Ballylough (Annsborough) Lake - fragments washed up on shore	J3637	1883	S.A. Stewart
Carryduff	J36	Jun 1989	N.I. Lake Survey

EUSPORANGIATE FERNS

OPHIOGLOSSACEAE

Ophioglossum vulgatum Linnaeus
Adder's-tongue

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2014**

A scarce, tiny, charming, native deciduous fern of moist pasture, fen and dune slacks. It was first recorded in 1864, and has had a mainly eastern distribution in the county. It is declining, having been lost from many sites due to agricultural and building development. This species is vulnerable to further losses and can only be regarded as secure at sites such as Killard NNR where it is protected.

Location	Grid Ref.	Date	Recorder
behind Mourne Hotel, Rostrevor	J1718	pre-1890	S.A. Stewart & R.Ll. Praeger
near Banbridge	J1244	1914	W.D.L. Greer
Loughbrickland	J14	unknown	H.W. Lett
	J14	1915	S.A. Bennett
Cluntagh Bog	J29835321	29 May 2005	G.V. Day
near Donard Cove, south of Newcastle	J387285	31 May 1996	J. Harron
Bloody Bridge and Mourne Coastal Path	J388270	17 Sep 1991	E. Porter & I. Crawford
Belvoir Park Estate, Belvoir	J3369	21 May 1921	BNFC
	J3369	1921	S.A. Bennett & C.D. Chase
River Lagan - 4.8km above Belfast	J37	unknown	E. Newman
Rathmullan Lower Td, NW of St. John's Point	J43	unknown	J. Templeton
Old Quoile Bridge	J492469	06 Sep 2004	J. Harron
near Ballyhassen Wood, Quoile Pondage	J496477	1981	R.J. Bleakley
Saintfield	J4059	18 May 1918	BNFC
Saintfield Demesne	J4059	1894	C.H. Waddell
Rowallane (National Trust)	J409575	Aug 1985	R. Boyd
	J4157	18 May 1992	J.A. Lister & M. Flatt
Clandeboyne Demesne	J47	pre-1894	R.Ll. Praeger
near Cultra House	J4080	pre-1887	R.Ll. Patterson
	J4080	1887	Mrs Munster
Quincho Gardens, Helen's Bay	J444816	c. 1967	W.E. Harrison & V. Mackie
Crawfordsburn	J4681	unknown	Mrs Munster
Quoile Pondage Basin NNR	J500478	20 Jun 1991	Habitat Survey Team, EHS
	J498487	24 Sep 1991	W.E. Harrison & J. Harron
	J4948	11 Sep 2011	J. Harron
	J5047	Jun 2004	Habitat Survey Team, EHS
	J56	1864	BNFC
Greyabbey - meadows nearby	J5060	unknown	J. Wilson
Killinchy	J56696667	07 Jun 2002	G.V. Day & J. Harron
South Island, Strangford Lough	J5962	1985	R.J. Bleakley
between Kircubbin and Horse Island, Strangford Lough	J57	1877	BNFC
Mount Stewart Estate (National Trust)	J600429	06 Jun 1991	J. Harron & W.E. Harrison
Benderg Bay	J6143	26 May 1999	G.V. Day

Location	Grid Ref.	Date	Recorder
Killard Point, Strangford Lough	J64	24 Aug 1945	R.D. Meikle
	J64	1978	BNFC
	J64	1981	J. Wilde
	J611435	26 May 2002	G.W. Gordon
	J60834335	01 Jun 2002	BSBI, BNFC & Wildflower Society
	J60804335	04 Jun 2005	G.V. Day
	J6143	13 Jun 2009	BNFC
	J607434	17 Jun 2009	G. Thurgate
	J60834335	17 Jun 2009	Orchid Id. Course
	J60814329	25 May 2014	G.V. Day & J.D. Nunn
Kircubbin, Strangford Lough	J66	09 Dec 1985	Habitat Survey Team, EHS

Botrychium lunaria (Linnaeus) Swartz
Moonwort

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A rare, distinctive, small native fern found on heaths and upland pastures. It was first found in 1806 at Scrabo Hill. It is easily overlooked, and was once locally frequent, mainly in the east of the county, but has suffered many losses as a result of agricultural improvement and invasion by scrub. The population of this species in the county is critically endangered.

Location	Grid Ref.	Date	Recorder
near Newcastle Railway Station - scanty and stunted on dunes	J32	pre-1887	S.A. Stewart
Bloody Bridge, Bloody Bridge River	J387270	pre-1890	S.A. Stewart & R.Ll. Praeger
Murlough NNR	J3933	1985	P. Hackney
	J39813353	18 May 2003	M.D.B. Allen
	J397337	07 Jun 2003	I. Rippey
	J397337	04 Jun 2005	I. Rippey
	J399338	2005	J. Whatmough
	J39833347	23 Jun 2010	R. Field
	J39843350	24 Apr 2011	R. Field
	J4034	04 Jul 2015	B. Hamill
	J39843351	25 May 2023	G.V. Day & J.D. Nunn
Slieve Croob	J306453	27 May 2010	K. Stewart
	J30754536	28 Jun 2010	K. Stewart
Tonaghmore, 1.5km SW of Saintfield	J3957	unknown	D. Redmond
Dundrum - on sandhills	J404385	13 Jun 1959	D.A. Seaby
Ballykinler	J440353	Apr 2000	R.S. Weyl
Carrowreagh Hill	J47	pre-1887	R.Ll. Praeger
Craigtlet	J47	pre-1887	R.Ll. Praeger
Carngaver Hill	J4576	pre-1887	S.A. Stewart
	J4576	1928	BNFC
	J4576	1936	R.Ll. Praeger
Scrabo Hill	J4773	1806	J. Templeton
Conlig Hill	J4877	pre-1887	R.Ll. Praeger
	J4877	1908	W.J.C. Tomlinson
Killard Point, Strangford Lough	J64	1906	W.J.C. Tomlinson
Cloghy Dunes - not seen since, although habitat is unchanged	J64105718	1999	R.S. Weyl

CALAMOPHYTES

EQUISETACEAE

Equisetum pratense Ehrh.

Shady Horsetail

Euro.: **not listed**Ir.: **RDB Least Concern**Local: **1**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2013**

A rare, striking, native perennial found in damp shady places usually by stream banks. First found at Tollymore in 1865, but is now extinct at this site. It is present at only one station now, where tiny patches grow in the bushy valley of a stream where basalt rock outcrops. This species has declined and the population appears to be vulnerable as it will be lost if the habitat is changed in any way. It is rare in Ireland, nearly always surviving as fragmented patches in exceptional habitats.

Location	Grid Ref.	Date	Recorder
Moyallon, Upper Bann Valley	J059511	29 May 1991	J. Harron
	J064513	1991	J. Harron
River Bann: un-named tributary at Newmills	J065514	01 Jun 2013	J. Harron
in the basaltic region just north of Gilford - by a stream immediately below Newmills	J067516	29 May 1991	J. Harron
Moyallon, Upper Bann Valley	J068517	29 May 1991	J. Harron
Tollymore Forest Park - damp shady places	J3432	1865	S.A. Bennett

Equisetum x trachyodon A. Braun (*E. hyemale* x *E. variegatum*)

Mackay's Horsetail

Euro.: **not listed**Ir.: **not listed**Local: **2**N.I. **Priority Species 2023**N.I.: **not listed**Brit.: **not listed**Last seen: **2010**

A perennial hybrid of riversides, wet banks and rocks, which has maintained itself vegetatively for long periods (perhaps many centuries) at its various sites. There is no correlation with the modern distribution of the *Equisetum variegatum* parent, and only a weak correlation with the distribution of *E. hyemale*. The hybrid shows no real tendency to spread, and in places has been reduced to tiny remnants (J. Harron pers. comm.).

Location	Grid Ref.	Date	Recorder
Yellow Water River - strong colony in up to one foot of fast flowing water at 177m	J2823	1971	J. Harron
Kilkeel River at Kilkeel	J313162	08 May 1988	J. Harron
Kilkeel River at Ballinran Bridge	J317180	09 May 2010	J. Harron
abundant on islet in Kilkeel River immediately below bridge at Kilkeel	J32	1935	R.Ll. Praeger
Kilkeel River - above Kilkeel	J32	1988	J. Harron
Annalong River	J347233	22 Oct 1990	J. Harron
	J348232	23 Jun 2010	J. Harron
Rourke's Park, Dunnywater	J349231	1988	J. Harron
Slieve Croob - burn at north base	J310481	1988	J. Harron
	J310481	15 Jun 1989	J. Harron & W.E. Harrison

Equisetum variegatum Schleich. ex F. Weber & D. Mohr

Variegated Horsetail

Euro.: **not listed**Ir.: **RDB Least Concern**

Local: 1

N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2014**

A small rare native prostrate perennial that was first found in county Down at Tyrella in 1979. Its distribution is coastal and apparently increasing. The Tyrella site is currently protected, so the population is secure at least at this site. The Portavogie site is subject to dumping, and seems threatened by vegetative succession. The Killough site was visited in 2000, and the species was not found. This species is vulnerable because of the small number of stations at which it is found.

Location	Grid Ref.	Date	Recorder
Tyrella dunes - damp slack	J473362	1979	P. Hackney conf. A.C. Jermy
	J473362	17 Apr 1997	P. Hackney
	J473362	Oct 1997	P. Hackney
	J47393618	22 Jun 2002	G.V. Day
	J473362	03 Jul 2008	P. Hackney
	J4636	24 Jun 2009	A. Church & G. Bennett
	J47743616	27 Apr 2014	G.V. Day, P. Hackney, M. Marshall & S. Mulvaney
Killough Bridge, Strand Lough - damp depression (ballast pit) between railway and road embankments	J538374	1983	R.S. Weyl
	J538374	1984	P. Hackney
	J538374	1984	R.S. Weyl
Portavogie, Ards Peninsula	J65535911	09 Apr 2000	R.S. Weyl
	J655591	06 Jul 2004	R.S. Weyl

LEPTOSPORANGIATE FERNS**HYMENOPHYLLACEAE*****Hymenophyllum wilsonii*** Hook.

Wilson's Filmy-fern

Euro.: **not listed**Ir.: **RDB Least Concern**

Local: 2

N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2004**

A scarce, inconspicuous, native. It was first recorded from Tollymore Forest Park in 1796 by Templeton. Apart from one record from Holywood in 1886, it has only been found in and around the Mourne Mountains. The county population of this species is probably secure in the Mourne Mountains, and there may only be a low risk of further losses from impacts such as grazing.

Location	Grid Ref.	Date	Recorder
Slieve Maganmore	J22	1883	H.C. Hart
Mourne Mountains	J22	1895	H.C. Hart
Mourne Mountains	J22	1895	S.A. Stewart & R.L. Praeger
Eagle Mountain	J2423	20 Aug 1981	P. Hackney
	J24502353	26 Jul 2002	G.V. Day
	J247232	18 Oct 1992	J. Harron
	J248229		
Slievenaglogh, Mourne Mountains	J2923	1840	Unknown
Lough Shannagh, Mourne Mountains	J2926	1981	BNFC
Slieve Donard, Mourne Mountains	J32	1864	G. Dickie & A.H. Haliday
Slieve Donard, Mourne Mountains	J32	1981	P. Hackney

Location	Grid Ref.	Date	Recorder
Blue Lough Buttress, Slieve Binnian, Mourne Mountains	J3224	1889	Unknown
Slievelamegan, Mourne Mountains	J3226	1887	R.L. Praeger
Hare's Gap, Mourne Mountains	J3228	1889	Unknown
Slievenaglogh, Mourne Mountains	J3229	1796	J. Templeton
Cove Lough, Mourne Mountains	J337263	1796	J. Templeton
Cove Mountain, Mourne Mountains	J3327	1887	R.L. Praeger
Slieve Beg, Mourne Mountains	J340276	1889	Unknown
scree slope below Eagle Rock	J356284	22 Jul 1981	P. Hackney
Slieve Donard, Mourne Mountains	J358277	1992	J.A. Lister, M. Flatt & P. Jackson
Luke's Mountain, Mourne Mountains	J3230	1889	Unknown
Slievegarran	J3241	09 May 1986	P. Hackney
Trassey River, Mourne Mountains	J33	1914	S.A. Bennett
Trassey River Valley	J3130	30 May 1914	BNFC
Luke's Mountain, Mourne Mountains	J330307	02 Jul 1990	C. Wilson & C. Byrne
	J330307	15 Oct 1990	C. Wilson & C. Byrne
	J332307		
Tollymore Forest Park	J3432	1796	J. Templeton
	J3432	1865	S.A. Brenan det. M.P. Kertland
	J3432	1868	S.A. Brenan det. P. Hackney
	J3432	1868	S.A. Brenan det. P. Hackney
	J3432	18 Apr 1878	T.H. Corry
	J3432	1900	C.H. Waddell
	J3432	1904	C.H. Waddell
	J3432	1911	W.J.C. Tomlinson
	J3331	30 Jul 1892	C.H. Waddell
	J3331	1982	B. Bleakley
	J3332	1908	W.J.C. Tomlinson
	J335316	01 Nov 1970	J. Harron
	J330303	09 Sep 1992	J. Harron
	J33593174 J33613205 J34213223	29 Oct 2001	G.V. Day
	J33583174	10 Jul 2002	G.V. Day & P. Hackney
	J33753197	13 Apr 2004	R. Birch
Slievegarran	J3142	1986	P. Hackney
Holywood	J4079	1886	R.L. Praeger

PTERIDACEAE

Cryptogramma crispa (Linnaeus) R. Br. ex Hooker

Parsley Fern

Euro.: **not listed**N.I.: **WO**Ir.: **FPO; RDB Vulnerable**Brit.: **RDB Least Concern**Local: **1**Last seen: **2002****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A scarce, deciduous, perennial arctic-alpine species of fissures and screes of mountains. It was first recorded from Slieve Binnian in 1808 by Templeton. It is now only found in the Mourne Mountains, at altitude 364-517m. There have been only four sites recorded since 1955, and it has not been seen since 2002. The decline of this species may be for agricultural and climatic reasons, and it may be vulnerable to further losses.

Location	Grid Ref.	Date	Recorder
Cloghmore - south-west slope, single tuft	J1917	Jan 1934	W.R. Megaw
Pigeon Rock, Mourne Mountains	J2623	pre-1887	Mr Barcroft
Crags north of Pigeon Rock	J268242	1983	P. Hackney
Mourne Mountains	J2626	1987	R.S. Weyl
Slieve Muck, Mourne Mountains - north-east face	J2824	1955	M.P.H. Kertland & J.McK. Moon
Slieve Muck, Mourne Mountains - 2 tiny patches in Silurian crags on north-east face	J2825	1982	P. Hackney
Slieve Muck, Mourne Mountains	J2825	15 Aug 2002	P. Hackney & G.V. Day
Hillsborough Park - apparently self-sown, but impossible as a permanent habitat	J2458	1896	N.H. Foster
Slieve Donard, Mourne Mountains - north side	J32	1889 or 1890	H.W. Lett
Slieve Donard, Mourne Mountains - south side	J32	1889 or 1890	R.Ll. Praeger
between Slieve Donard and Slieve Commedagh, Mourne Mountains	J32	1985	R.S. Weyl, P. Corbett & H. McCann
cliffs south-east of Blue Lough, Mourne Mountains	J3027	1889	R.Ll. Praeger
Slieve Binnian, Mourne Mountains	J3223	19 Aug 1808	J. Templeton
	J3223	1880s	H.W. Lett
	J3223	1880s	R.Ll. Praeger
Cove Mountain, Mourne Mountains - single plant on granite face, probably same site as below	J3327	unknown	B.E.S. Gunning & J.S. Pate
between Cove Mountain and Slieve Commedagh, Slieve Beg, Mourne Mountains	J340276	pre-1887	R.Ll. Praeger
Slievenabrock, Mourne Mountains	J3430	pre-1887	H.W. Lett
Shan Slieve, Mourne Mountains	J3430	pre-1887	H.W. Lett
Bryansford, on a stone-and-sod wall, probably as casual <i>Johnson 1927</i>	J3433	May 1927	R.E. Atkinson det. W.F. Johnson

CYSTOPTERIDACEAE

Gymnocarpium dryopteris (Linnaeus) Newman

Oak Fern

Euro.: **not listed**N.I.: **WO**Ir.: **RDB Regionally Extinct**Brit.: **RDB Least Concern**Local: **Extinct**Last seen: **1904**

An extinct deciduous fern usually found growing in rocky deciduous woodland and on stream banks. It has been recorded only twice - the Mourne Mountains before 1836, and from Hillsborough, where it may

have been introduced. The record from the Mourne cannot be confirmed, as there is no voucher material. This species was last recorded in Ireland in 1986 (County Antrim).

Location	Grid Ref.	Date	Recorder
Mourne Mountains	unknown	pre-1836	<i>Mackay 1836</i>
Hillsborough Forest North - probably planted	J2458	1904	W.J.C. Tomlinson

ASPLENIACEAE

Asplenium marinum Linnaeus
Sea Spleenwort

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2015**

An attractive, scarce, native, perennial, evergreen fern that is found on moist surfaces on maritime cliffs, caves and walls, frequently within the sea-spray zone. It was first found at Newcastle in 1869, and has since been found at stations all round the coast. With the exception of plants growing on walls that may be removed, the population of this species is at low risk.

Location	Grid Ref.	Date	Recorder
coast south of Newcastle	J32Z	27 Sep 1999	J. Harron
Bloody Bridge, Bloody Bridge River	J386269	1907	W.J.C. Tomlinson
	J386269	1914	W.J.C. Tomlinson
	J386269	1981	P. Hackney
	J3827	04 Aug 1998	P. Hackney
	J38912702	16 Apr 2004	G.V. Day & P. Hackney
	J38922718	16 Apr 2004	G.V. Day & P. Hackney
Bloody Bridge Coastal Path	J389269	11 Sep 1992	J. Harron
	J39002649	17 Jul 2002	G.V. Day
	J38922705	17 Aug 2010	G.V. Day & P. Hackney
	J38942673	17 Aug 2010	G.V. Day & P. Hackney
	J39002626	17 Aug 2010	G.V. Day & P. Hackney
	J3826	4 Jul 2013	G.V. Day & P. Hackney
	J3827	5 Apr 2015	G.V. Day
Donard Cove	J3826	26 Apr 2015	G.V. Day & M. Marshall
	J38682854	16 Apr 2004	G.V. Day & P. Hackney
	J38732831	16 Apr 2004	G.V. Day & P. Hackney
Newcastle	J3731	unknown	H. Hincks
	J3731	1881	S.A. Stewart
	J3731	1869	BNFC
	J3731	1935-1937	R.Ll. Praeger
	J3731	1967	J. Harron
Cultra shore	J4181	03 Aug 2010	M. Wright
Killough Coastguard Station <i>Anon 1911</i>	J53	unknown	N.H. Foster
south of Killough coastguard station at Corbet Head	J53	1910	BNFC
cliff just south of Corbet Head, Killough Bay in crevices of calcareous drift cliff	J538350	28 Jun 1988	P. Hackney
south of old Killough coastguard station, Corbet Head	J538351	2000	R.S. Weyl
	J538351	13 Sep 2015	G.V. Day, M. Marshall
Killough Harbour	J539363	20 Aug 1997	BNFC
Corbet Head, Killough Bay	J540349	1970	J. Harron
Killough Bay	J5435	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
Ardglass	J5537	1902	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Ardtole Old Church <i>Carrothers 1913</i>	J5638	1912	BNFC
	J5638	1966 & 1967	J. Harron
	J564382	19 Apr 2007	P. Hackney
Killyleagh	J52955236	3 Aug 2011	G.V. Day
Portavoe	J58	pre-1888	W.H. Phillips
Donaghadee Harbour (bus station), Donaghadee	J5980	1994-1997	D. Getty
Ballyhalbert, Ards Peninsula – site destroyed	J6464	01 Sep 2002	G.V. Day

Asplenium onopteris Linnaeus
Irish Spleenwort

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1942**

An extinct native perennial found only at one site; ‘*On a stone-faced roadside fence screened with a hedge on the edge of the road towards Clandeboye where it leaves the Belfast-Newtownards road two miles (3.2km) from the latter town*’. It ‘*grew abundantly there for many years from 1885, but is rare now [1937]*’, (Praeger 1938). The site was checked by Hackney in the 1980s, but the plant could not be found. It may have become extinct when a housing development took place at the site in the 1950s.

Location	Grid Ref.	Date	Recorder
Bradshaw's Brae - on stone-faced roadside fence screened with a hedge on edge of road towards Clandeboye where it leaves the Belfast-Newtownards road	J458752	1892	R.Ll. Praeger det. R.H. Roberts
	J458752	1893	R.Ll. Praeger det. R.H. Roberts
	J458752	1942	R.Ll. Praeger & E.N. Carrothers det. R.H. Roberts

Asplenium trichomanes Linnaeus ssp. *trichomanes*

Maidenhair Spleenwort

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A rare native perennial that is restricted to acidic rock. Records were made for *Asplenium trichomanes* at several unlocalised stations in the Mourne (Stewart & Corry 1888). Subspecies *trichomanes* has been found at three stations; beside a waterfall at Thomas's Mountain, under a rock outcrop on Slieve Muck and on rock in Tollymore Forest Park. This species appears to be at some risk at these sites, as because of their position, they may be damaged by fire.

Location	Grid Ref.	Date	Recorder
Slieve Muck, Mourne Mountains	J27392361	12 Sep 2002	G.V. Day & P. Hackney
	J27392361	21 Aug 2010	G.V. Day
Black Stairs, Thomas's Mountain, Mourne Mountains - growing on damp Silurian grits beside a waterfall at 300-330m	J364292	1981	P. Hackney conf. A.C. Jermy
	J36452922	05 Apr 2002	P. Hackney & G.V. Day
	J36452922	20 Sep 2008	G.V. Day
	J36442921	14 Jun 2022	G.V. Day
Tollymore Forest Park	J34423160	17 Jun 2012	G.V. Day

THELYPTERIDACEAE

Phegopteris connectilis (Michx.) Watt
Beech Fern

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A scarce native that was previously found in scattered sites across the Mourne Mountains and at Craigantlet in 1886. It is usually found in shady rocky sites, but has declined and is no longer found at some of the earlier stations. It may be threatened by agricultural pressures and climate change.

Location	Grid Ref.	Date	Recorder
Rostrevor	J1718	1887	G. Robinson
Slieve Maganmore	J22	1892	Unknown
Co. Down	J22	1958	M.P. Kertland
Shanlieve	J242226	10 Oct 1992	J. Harron
Eagle Mountain	J2423	1989	P. Hackney, J. Wilde & J.P. Newbould
	J247232	18 Oct 1992	J. Harron
Pigeon Rock Mountain	J261250	1883	H.C. Hart
Spelga Dam	J2627	1983	P. Hackney
Slieve Muck	J22	09 Sep 2000	G.V. Day
	J280250	1955	M.P. Kertland
	J280250	1982	P. Hackney
	J2824 J2825	15 Aug 2002	G.V. Day & P. Hackney
	J2825	28 Aug 1955	M.P. Kertland
	J2825	13 May 1982	P. Hackney
	J28382592	21 Aug 2010	G.V. Day
	J28392592 J28352549	22 Jun 2023	G.V. Day & R. Ridley
Slievenaglogh	J2923	1887	R.Ll. Praeger
Slieve Meelbeg	J298282	11 Jun 1989	J. Harron
	J3027	1989	J. Harron
Slieve Meelmore	J3028	1892	Unknown
Slieve Bearnagh	J312286	1887	R.Ll. Praeger
Ben Crom	J313260	1892	Unknown
Co. Down	J32	1865	S.A. Brennan
	J32	1889	R.Ll. Praeger
	J32	1889 & 1890	S.A. Stewart
Slieve Binnian	J32	1808	J. Templeton
	J32	1887	W.H. Lett & R.Ll. Praeger
Slievelamagan	J32	1892	Unknown
	J32	Oct 2002	C. Breen
Hare's Gap	J322286	1982	R.S. Weyl
Blue Lough Buttress, Slieve Binnian	J3224	1892	Unknown
Cove Mountain	J3326	1892	Unknown
Slieve Commedagh	J3428	15 Aug 1880	S.A. Stewart
	J344286	1880	S.A. Stewart
crag in valley between Slievenabrock & Slievenamaddy	J349299	17 Jun 1998	P. Hackney

Location	Grid Ref.	Date	Recorder
Slieve Donard	J357277	1887	S.A. Stewart
	J358277	1992	J.A. Lister, M. Flatt & P. Jackson
	J3628	1981	P. Hackney
Slievenamaddy	J3529	02 Jul 1992	M. Flatt & P. Jackson
Eagle Rock	J356284	1981	P. Hackney
	J356284	1983	BNFC
Chimney Rock Mountain	J3626	1892	Unknown
Thomas's Mountain	J3628	1887	R.Ll. Praeger
cave between Black Stairs and Eagle Rock	J3628	1981	P. Hackney
Black Stairs, Thomas's Mountain	J364292	1983	BNFC
Black Mountain and above Tollymore Pk	J33	1836-08	W. Thompson det P. Hackney
Black Mountain	J33	1850	W. Thompson
	J33	1887	W.H. Phillips, H.W. Lett & R.Ll. Praeger
Tullybrannigan River	J33	31 Oct 1971	J. Harron
Luke's Mountain	J3230	1887	W.H. Phillips
Spinkwee (Cascade) River, Tollymore Park	J3331	1865	S.A. Brenan
	J3331	1980	R.S. Weyl
Slievenabrock	J343300	1892	Unknown
Tullybrannigan River	J348300	31 Oct 1971	J. Harron
Slieve Croob	J3145	1864	J. Templeton
Craigantlet	J47	1886	R.Ll. Praeger

DRYOPTERIDACEAE

Dryopteris oreades Fomin
Mountain Male-fern

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1960s**

An extinct native perennial fern that was previously '*abundant*' on the cliffs of Eagle Mountain. It was first found there by S.A. Stewart and R.Ll. Praeger in 1889 or 1890 (Stewart & Praeger 1892), and was seen there in the 1960s. It could not be refound, despite repeated searches in the 1980s (Hackney *et al.*). J. Newbould is of the opinion that excessive grazing by sheep is to blame for the apparent loss of the species. The uninhabited ground here was also used extensively as a military firing range (artillery) during the latter years of the Second World War - prolonged rock falls may have reduced the diversity of species below the cliffs (J. Harron pers. comm.).

Location	Grid Ref.	Date	Recorder
Eagle Mountain, Mourne Mountains - abundant on cliffs at 395-456m	J2423	pre-1890	S.A. Stewart & R.Ll. Praeger
	unknown	1960s	A.W. Stelfox & A.C. Jermy

POLYPODIACEAE

Polypodium cambricum Linnaeus
Southern Polypody

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1999**

A distinctive, scarce, native, perennial fern that is usually found on well-drained basalt or Silurian rock. It has been recorded by two field workers only at several sites in the county, but there are no vouchers, and all records need to be checked.

Location	Grid Ref.	Date	Recorder
Rostrevor Oakwood NNR - on wall	J187169	10 Mar 1989	J. Harron
Craig Hill	J472377	27 Sep 1999	J. Harron
Killynether Wood - on shallow humus over basalt - not seen since	J473721	1984	J. Harron
Carrowbane Hill - rock face	J501379	30 Sep 1987	J. Harron
Carrowbane Hill - south face	J502379	04 Jun 1992	J. Harron & W.E. Harrison
Struell Hill - on very thin veins of agglomerate in the Silurian shale - not seen since	J510439	23 Oct 1987	W.E. Harrison & J. Harron
Slieve Patrick, Ballysugagh - on very thin veins of agglomerate in the Silurian shale	J525462	Oct 1987	W.E. Harrison & J. Harron
	J526461	12 Sep 1991	W.E. Harrison & J. Harron
Quintin Bay, Ards Peninsula	J632504	02 Jul 1990	J. Harron

GYMNOSPERMS

CUPRESSACEAE

Juniperus communis Linnaeus *sensu lato*
Common Juniper

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2017**

A scarce native conifer. It was first recorded in county Down in 1793 as reported in Harris (1744). A variable species in which two extreme forms have been regarded as distinct species, namely *J. communis* Linnaeus *sensu stricto* and *J. nana* Willd. The former tends to be erect growing, the latter procumbent, but confusion exists between the precise limits of each. R.Ll. Praeger (Praeger 1938) considered that all the county Down populations were *J. nana*, now referred to as *Juniperus communis* ssp. *nana*. Some workers have not differentiated between the subspecies, and all stations are listed below.

It is now found only on rocky outcrops and moorland in the Mourne Mountains, and is mostly confined to the area east of the Hilltown-Kilkeel road between 300 and 600m. Stewart & Praeger (1892) listed Slieve Loughshannagh, a record that appears not to have been confirmed since 1889 or 1890. It has declined, and losses are a result of grazing pressures and burning. These pressures remain and this species is vulnerable.

sensu lato

Location	Grid Ref.	Date	Recorder
Slieve Loughshannagh, Mourne Mountains	J22	pre-1892	Unknown
Mourne Mountains	J2626	1793	J. Templeton
north of Spelga Pass	J2627	1957	J.S. Pate & B.E.S. Gunning
Slieve Lamagan, Mourne Mountains - below west end of Lamagan slabs	J32	1986	B.J. Beesley

Location	Grid Ref.	Date	Recorder
Spellack	J312298	Jun 2005	J. Preston & C. Wilson
Hare's Gap, Mourne Mountains	J322286	1957	J.S. Pate & B.E.S. Gunning
	J322287	Jun 2005	J. Preston & C. Wilson
Diamond Rocks, Mourne Mountains - on cliffs	J326289	22 Jul 1922	BNFC
Cove Mountain, Mourne Mountains	J3327	unknown	S.A. Stewart
	J3327	1957	J.S. Pate & B.E.S. Gunning
	J3327	1968	J. Harron
Slieve Corragh, Mourne Mountains	J33842829	31 Aug 2013	D. McNeill
Slieve Commedagh, Mourne Mountains	J33062856	1 Nov 2017	J. Dalzell
Annalong River below the Castles - one stumpy but upright-growing tree + one prostrate bush	J343265	13 Apr 2002	D. McNeill
Cove Lough Gully	J343265	Jun 2005	J. Preston & C. Wilson
	J341273	Jun 2005	J. Preston & C. Wilson
The Castles (of Commedagh), Slieve Beg, Mourne Mountains	J3427	1936	C.R. Nodder
Slieve Beg, Mourne Mountains	J340276	1968	J. Harron
	J339275	Jun 2005	J. Preston & C. Wilson
Slieve Beg, Mourne Mountains - 4 plants at c. 400m in rocky gully by stream	J341273	30 Apr 2004	D. Polley conf. G.V. Day
The Castles (of Commedagh), Slieve Beg, Mourne Mountains	J345279	1957	J.S. Pate
	J345279	1979	W.I. McNeill
The Castles, Slieve Commedagh, Mourne Mountains	J3428	unknown	R.Ll. Praeger
	J345279	Jun 2005	J. Preston & C. Wilson
	J347278	Jun 2005	J. Preston & C. Wilson
	J344280	Jun 2005	J. Preston & C. Wilson
Slieve Donard, Mourne Mountains	J3527	unknown	BNFC
	J3527	1869	Unknown
	J3527	1985	EHS
Eagle Rock, Mourne Mountains	J3528	pre-1879	T.H. Corry
Slieve Bearnagh, Mourne Mountains	J356284	1957	J.S. Pate & B.E.S. Gunning
Millstone Quarry - planted	J37342905	13 May 2018	G.V. Day, J.D. Nunn, L. Crawshaw, V. Macartney

Juniperus communis Linnaeus ssp. *nana* (Hook.) Syme

Euro.: not listed

Ir.: RDB Least Concern

Local: 2

N.I.: WO

Brit.: RDB Least Concern

Last seen: 2018

Location	Grid Ref.	Date	Recorder
Slieve Bearnagh, Mourne Mountains – 1 small plant at each grid reference	J31942870	09 Sep 2006	G.V. Day
	J31942873	09 Sep 2006	G.V. Day
Slivelamagan, Mourne Mountains - prostrate single shrub	J326267	14 May 1990	C. Wilson & C. Byrne
Hare's Gap, Mourne Mountains - several prostrate shrubs	J321286	13 Sep 1990	C. Wilson & C. Byrne
Annalong Valley, on Lamagan Slabs	J330257	22 Oct 1990	J. Harron
Annalong River, Devils Coachroad, Mourne Mountains - overhanging stream	J339273	24 Jul 1990	C. Wilson & C. Byrne
Annalong River - 6 plants	J339278	13 Nov 2004	G.V. Day

Location	Grid Ref.	Date	Recorder
Hares Castle, Mourne Mountains - small prostrate shrub	J345259	03 Sep 1990	C. Wilson & C. Byrne
Annalong River, Cove Mountain, Mourne Mountains - by waterfall on stream	J342268	11 Sep 1990	C. Wilson & C. Byrne
Annalong River - 5 plants each site	J343265 J344280	13 Nov 2004	G.V. Day
Annalong River	J349264	14 Oct 1971	J. Harron
Annalong River - 1 plant	J34322793	13 Nov 2004	G.V. Day
The Castles, Slieve Beg, Mourne Mountains	J34232792 J34362788 J34382790	07 Aug 2014	G.V. Day
Slieve Bearnagh	J32132855	16 Jun 2018	J. Dalzell
The Castles, Slieve Commedagh	J34272789	20 Jun 2018	J. Dalzell

ANGIOSPERMS

EU-DICOTS

CERATOPHYLLACEAE

Ceratophyllum submersum Linnaeus
Soft Hornwort

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: 1
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**

Brit.: **RDB Least Concern**

Last seen: **2008**

A rare native aquatic found in shallow, sheltered eutrophic loughs. It was first found in Ireland in 1989 in loughs in Lecale, and has still only been recorded from this area. The population of this species is likely to be secure at Loughkeelan, which is an ASSI.

Location	Grid Ref.	Date	Recorder
Ballydargon	J483387	22 Aug 1989	N.I. Lake Survey
	J482387	02 Sep 2003	G.V. Day
Un-named lough	J549435	28 Jul 1990	N.I. Lake Survey
Loughkeelan	J563453	21 Aug 1989	N.I. Lake Survey
Delamont Country Park – an introduction	J5150	25 Jun 2008	R.M. Walls

PAPAVERACEAE

Papaver lecoquii Lamotte
Yellow-juiced Poppy

Euro.: **not listed**
Ir.: **not listed**
Local: 3

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2020**

An annual archaeophyte usually found on heavy arable and disturbed soils that was previously named *P. dubium* ssp. *lecoquii* Lamotte. Earlier workers frequently did not distinguish between the subspecies of *P. dubium*, *P. dubium* ssp. *dubium* and *P. dubium* ssp. *lecoquii* Lamotte, hence the lack of historical records. This species may be declining as the aggregate was previously apparently more common.

Location	Grid Ref.	Date	Recorder
Barrack Hill Lake	J0948	24 Jul 2011	G.V. Day
Queen's Island, Belfast	J35427545	20 Jun 2016	R. Anderson
Cook Street, Portaferry	J5950	Apr & May 2020	G.V. Day
South Bay, Ards Peninsula – caravan park	J63754839	31 Jul 2005	G.V. Day

Hillhead, Ballycran Beg	J61495863	25 Jul 2002	G.V. Day
Ringboy Point, Cloghy Bay, Ards Peninsula	J650575	04 May 1995	P. Hackney

***Roemeria argemone* (L.) C. Morales, R. Mend. & Romero Garcia**

Prickly Poppy

Euro.: **not listed**Ir.: **RDB Vulnerable**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Vulnerable**Last seen: **pre-1938**

An archaeophyte annual that was first recorded in 1865 at Belmont in Belfast. It was a casual of sandy and gravelly ground and had greatly declined before 1930. It is extinct in the county.

Location	Grid Ref.	Date	Recorder
Giant's Ring, Edenderry - sand pit nearby	J3267	pre-1888	C. Dickson
Bloomfield, near Belfast	J3773	1879	S.A. Stewart
Knock, Belfast	J3873	pre-1888	S.A. Stewart
Belmont - brickfield	J3874	1865	H. Robinson
Sydenham Playing Fields and adjacent planting, Sydenham	J3876	1867	S.A. Stewart
Rathmullan Lower Td, NW of St. John's Point	J43	1902	R.Ll. Praeger
	J43	1935-1937	R.Ll. Praeger
Tyrella	J43	pre-1938	Unknown
Dundonald	J4273	pre-1888	S.A. Stewart
	J4273	1933	C.D. Chase
Bangor	J48 or J58	pre-1938	Unknown
Killough	J5336	pre-1923	R.Ll. Praeger
Portaferry, Ards Peninsula	J55	pre-1938	Unknown
Knockinelder Bay, Ards Peninsula	J6351	pre-1923	R.Ll. Praeger
Kearney, Ards Peninsula	J6451	pre-1938	Unknown

***Roemeria hispida* (Lam.) Stace**

Rough Poppy

Euro.: **not listed**Ir.: **FPO; RDB Extinct**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1970**

An archaeophyte annual of arable and disturbed soils that was confined to the county Down coast. It was first found in 1797 in a sandy field near Holywood. This species had greatly declined before 1930 and is now extinct.

Location	Grid Ref.	Date	Recorder
Bishopscourt, Ballynaris	J1954	1970	D.S. Lambert
Rathmullan Lower Td, NW of St. John's Point	J43	pre-1923	R.Ll. Praeger
Tyrella	J43	1902	R.Ll. Praeger
Minerstown	J4935	pre-1923	R.Ll. Praeger
	J4935	1935-1937	R.Ll. Praeger
sandy field near Holywood	J4079	15 Jul 1797	J. Templeton
Killough	J5336	1902	S.A. Stewart & R.Ll. Praeger
	J5336	1913	S.A. Bennett
Ardglass Village - one plant in a field	J5537	24 Sep 1892	R.Ll. Praeger
Groomsport, Belfast Lough	J5383	pre-1863	R. Tate
	J5383	1873-1888	S.A. Stewart

Glaucium flavum Crantz
Yellow Horned-poppy

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

An attractive and distinctive native found on maritime shingle and cobble around much of the south and east Down coast. The population exceeds the local criteria, and is only included because of its status in the Irish Red Data list.

Ceratocapnos claviculata (Linnaeus) Liden
Climbing Corydalis

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1996**

A native annual of shady places. It has a mostly south-eastern distribution in Ireland, and was probably introduced at the site below.

Location	Grid Ref.	Date	Recorder
Murlough House	J413352	02 Aug 1996	R. Anderson

Fumaria capreolata Linnaeus ssp. ***babingtonii*** (Pugsley) P.D. Sell

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **DD**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A native annual of disturbed or cultivated ground. This subspecies is probably overlooked in county Down as few workers have identified *Fumaria capreolata* to subspecies, and other records suggest it to be scattered throughout Ireland. More work is needed to establish the status of this taxon.

Location	Grid Ref.	Date	Recorder
Colhem Lane, Quilly	J1751	22 May 2016	G.V. Day
Dromore	J1952	5 May 2019	G.V. Day
Craigtanlet	J4376	pre-1938	C.R. Nodder det. H.W. Pugsley
Camphill Community, Glencraig	J4381	25 May 2019	G.V. Day
Struell Wells	J5144	08 Jun 2014	G.V. Day
Castle Ward Estate, Strangford Lough	J5749	17 May 2015	G.V. Day
Marlfield Bay, Strangford Lough	J5753	30 May 2016	G.V. Day
Shore Rd, Kircubbin, Strangford Lough	J59496362	25 May 2019	G.V. Day
Ballycroghan, Bangor	J5480	27 Jul 2002	G.V. Day
Hillhead, Ballycran Beg	J61015817	25 Jul 2002	G.V. Day

Fumaria densiflora DC.
Dense-flowered Fumitory

Euro.: **not listed**
Ir.: **RDB Regionally Extinct**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2001**

A distinctive archaeophyte of freely-draining, disturbed or cultivated soils. All records are from east Down and the Ards Peninsula. This species had not been recorded since 1946, before being found again in 2001 at Lough Cowey. It was not present at this site in 2002, and has not been seen since. The species is probably extinct in Down.

Location	Grid Ref.	Date	Recorder
Newtownards	J47	Sep 1946	R.D. Meikle det. N.Y. Sandwith
Dundonald Cemetery, Upper Newtownards Rd., Dundonald - potato field nearby	J410737	1920	S.A. Bennett & C.D. Chase

near Dundonald - newly opened gravel pit	J4273	1927	C.D. Chase
Killough	J53	pre 1938	Unknown
Lough Cowey, on freshly-dumped soil	J599543	07 Aug 2001	G.V. Day
Ballygrainey	J57	1926	C.D. Chase
Ballyalicock, Newtownards	J517746	1946	R.D. Meikle

***Fumaria muralis* Sond. ex W.D.J. Koch ssp. *boraei* (Jordan) Pugsley**

Common Ramping-fumitory

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **Uncategorised**Last seen: **2022**

A scarce native annual of well-drained, acidic soils. It usually occurs on disturbed, cultivated, sandy or waste ground. This subspecies has been overlooked, as it can be difficult to identify and few workers have identified *Fumaria muralis* to subspecies. Recent work has established that the subspecies is widespread in Down so it no longer fits the local criteria.

***Fumaria purpurea* Pugsley**

Purple Ramping-fumitory

Euro.: **not listed**N.I.: **not listed**Brit.: **RDB Least Concern**Ir.: **RDB Least Concern**Local: **2**Last seen: **2021****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A native annual that usually occurs on disturbed ground. There are occasional records up to 1930. In recent years it has been seen at several places where it may be an introduction or possibly, seed lying in the soil for some time may have been brought to the surface by excavation. The species is scarce in Down and may be threatened by improvement and tidying-up of waste ground.

Location	Grid Ref.	Date	Recorder
Lenaderg	J1148	1904	J.H. Davies det. H.W. Pugsley
Huntly Way, Banbridge	J12434624	28 Apr 2019	G.V. Day
Hillsborough Castle	J2458	16 Jun 2019	G.V. Day, D. Riley, V. Macartney
Lisburn	J264633	29 Dec 2018	J. Faulkner
Drumbeg	J3066	17 Aug 1908	C. Bucknall det. H.W. Pugsley
Shaw's Bridge, River Lagan	J325689	1904	N. Carrothers det. H.W. Pugsley
Belfast	J37	02 Jul 1866	S.A. Stewart det. H.W. Pugsley
	J37	Aug 1924	J.W. White det. H.W. Pugsley
	J37	29 Sep 1930	S.A. Bennett & C.D. Chase det. T.C.G. Rich
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J3974	1930	S.A. Bennett & C.D. Chase
Murlough NNR	J415353	27 Jun 2019	J. Whatmough
Loughdoo Road junction, Ardkeen	J6056	26 May 2019	G.V. Day & J.D. Nunn
Cloughey	J6457	2 May 2021	G.V. Day & J.D. Nunn

BERBERIDACEAE

Berberis vulgaris Linnaeus
Barberry

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2017**

This shrub is the alternate host of the wheat rust, *Puccinia graminis*, and was eradicated to reduce infection of wheat. This plant is definitely introduced, and was widely planted for hedging.

Location	Grid Ref.	Date	Recorder
Cranmore	J37	c. 1863	H. Robinson
Annadale Embankment, Belfast	J343709	30 Jun 2011	M. Wright
	J343724	30 Jun 2017	M. Wright
Ballyhackamore, Belfast	J3874	1865	S.A. Stewart
Finnabrogue	J4847	1885	H.W. Lett
Conlig	J500780	1869	S.A. Stewart

RANUNCULACEAE

Anemone x hybrida Paxton
Japanese Anemone

Euro.: **not listed**
Ir.: **not listed**
Local: 3

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

An attractive perennial found as a garden escape or planted. It is rare in the wild in Co. Down, and may become more widespread.

Location	Grid Ref.	Date	Recorder
Rostrevor Oakwood	J1816	07 Oct 2018	G.V. Day
Greyabbey	J579679	22 Oct 2022	G.V. Day
Ballymacormick Point	J5383	01 Oct 2021	G.V. Day

Ranunculus aquatilis Linnaeus *sensu stricto*

Common Water-crowfoot

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A native aquatic that was first recorded in 1871 and occurs in sheltered loughs and pools in shallow water. There are old records from the north and west of the county, where it is now less frequently recorded and has probably declined as a result of land drainage. This species has been deleted from the Register as it has now been found in more sites, so that it exceeds the criteria for inclusion.

Ranunculus baudotii Godr.
Brackish Water-crowfoot

Euro.: **Least Concern**
Ir.: **RDB Near Threatened**
Local: 1
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2011**

A rare native aquatic, usually found in shallow slightly saline water. The first record for this primarily coastal species requires confirmation, as there is no adequate voucher. Photographs and voucher material were taken at the Templecowey site. This material apparently conforms to *R. baudotii* in most characteristics, especially the lunate receptacles. It has not been seen at this site since 2011 despite searches, and is endangered if not extinct in the county.

Location	Grid Ref.	Date	Recorder
Finnebrogue Lough	J489482	23 Aug 1988	N.I. Lake Survey
Templecowey - brackish pool	J628476	May & Jul 2004	R.S. Weyl
	J628476	28 Apr 2011	R. Anderson

***Ranunculus circinatus* Sibth.**

Fan-leaved Water-crowfoot

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1990**

A scarce native perennial that was first recorded in 1892 at Ellis's Gut, Lough Neagh. It is found in clear, still or slightly moving meso-eutrophic to eutrophic waters of ponds, loughs and canals. It was recorded in the 1970s at Lough Neagh and new stations were found near Downpatrick in 1989 and 1990. It has not been seen since then and may be declining and endangered in Down.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh	J0762	1892-1937	R.Ll. Praeger
foot of Lagan Canal (disused)	J0762	1978	J. Harron
Shan Port, Lough Neagh	J078638	1946	R.D. Meikle
Annaghdroghal, Lough Neagh (shoreline)	J079635	1972	J. Harron
Lagan Canal near Moira	J1661	1912	S. Wear
un-named Lough at Drumgooland	J415441	24 Jul 1990	N.I. Lake Survey
Ballydugan Lough	J458426	23 Jul 1990	N.I. Lake Survey
Loughkeelan	J563453	21 Aug 1989	N.I. Lake Survey
Mill Pond Shrigley	J517542	18 Jul 1989	N.I. Lake Survey

***Ranunculus trichophyllus* Chaix**

Thread-leaved Water-crowfoot

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2002**

A scarce native perennial that was first recorded in 1875 at Groomsport. It is found in clear, still or slightly moving waters of ponds, loughs and canals and rivers. It has not been seen since 2002 and may be endangered and declining due to nutrient enrichment.

Location	Grid Ref.	Date	Recorder
Islandderry Lake	J158550	1878	T.H. Corry
Northern shore of Dunbeg Lough	J332493	04 Sep 1999	J. Harron
Lough Erne nr Ballinahinch	J35	1879	C. Dickson
Belfast Harbour, nr	J37	Jul 1904	S.A. Stewart
Craigavad, Belfast Lough	J4281	Aug 1886	R.Ll. Praeger
Rathmullan Lower Td, NW of St. John's Point	J43	1965-1992	J. Harron
River Quoile at Downpatrick	J4946	1965-1992	J. Harron
Tullyveery Close, marsh nr	J4956	11 Jul 1988	J. Harron
Lisinlaw Marsh	J4956	11 Jul 1988	J. Harron
Magherascouse Lough	J442641	13 Aug 1986	J. Harron
Castle Espie	J4967	1943-1945	J.McK. Moon
	J4967	1986	BNFC
Reservoir, Creighton's Green Road, Holywood	J428784	30 Jul 1981	J. Harron & H.A. Harron
Conlig Hill	J491762	Jul 1875	S.A. Stewart
		1914	S.A. Bennett
Craigavad	J48	Aug 1886	R.Ll. Praeger
Ballysallagh Td, 4km SE of Downpatrick	J531428	07 Jul 2002	J. Harron
Lough Money	J532461	1986	P. Hackney

Location	Grid Ref.	Date	Recorder
Lough Keelan, S+SE of	J5645	05 Jun 1992	N.F. Stewart
Whitehills, Strangford	J5648	1965-1992	J. Harron
Churchtown, Ballyculter Upper Td	J5747	1965-1992	J. Harron
Killyleagh	J55	Jun 1887	S.A. Stewart
Carrigullian Lough	J500588	1965-1992	J. Harron
Clea Lakes (unlocalised)	J502549	04 Jul 1991	J. Harron & W.E. Harrison
	J5055	1965-1992	J. Harron
Cunningburn Mill Dam	J535713	20 Jun 1999	J. Harron
Groomsport Rd Station, Ballygrainey Td	J5378	1943-1945	J.McK. Moon
Groomsport	J58	Jun 1875	S.A. Stewart
Bangor	J58	16 Jun 1898	S.A. Stewart
Glastry Clay Pits south	J638631	Aug 1985	A. Farr & R. Boyd

Aquilegia vulgaris Linnaeus
Columbine

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2006**

An attractive, perennial that was first recorded in 1889. It is possibly native in at least some of its stations, but is usually a garden escape, impermanent, in disturbed conditions. Native populations are calcicolous, and may be found in dry stony places e.g. beside tracks, in woodland, also on moist soils by lough-shores and river banks. This species is increasing due to garden escapes and now exceeds the criteria for inclusion in the register.

Thalictrum alpinum Linnaeus
Alpine Meadow-rue

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **1955**

A small native perennial that was present at one station only, by the Black Stairs on Thomas Mountain in the Mourne, on the right bank of the waterfall. It was searched for in 1980s but not found. It is probably extinct as it is unlikely to have been overlooked.

Location	Grid Ref.	Date	Recorder
Black Stairs, Thomas's Mountain	J364292	1955	A.W. Stelfox

Thalictrum flavum Linnaeus
Common Meadow-rue

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1939**

A rare native perennial that was first recorded in 1911 at Ellis's Gut. This attractive tall herb of marshy ground and wet meadows has been found in the north-west of the county at Lough Neagh. It is probably extinct in the county, as it has not been recorded since 1939 despite repeated visits to this site.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh	J0762	Jul 1911	C.H. Waddell
	J0762	1939	BNFC

GUNNERACEAE

Gunnera manicata Linden ex Delchev.
Brazilian Giant-rhubarb

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2019**

A large persistent ornamental usually found on wet ground by ornamental water features. It is not known to be self-sown, and is included here because of concerns about the spread of the genus.

Location	Grid Ref.	Date	Recorder
Hillsborough Castle Estate	J2358	16 Jun 2019	G.V. Day, D. Riley, V. Macartney & J.D. Nunn
Stormont Estate	J399751	2016	G.V. Day & J.D. Nunn
Clandeboyne Estate	J4779	18 May 2002	G.V. Day, M.D.B. Allen, A.G. Hill, J.W.D. Semple, J. Wilde & P. Hackney
Tomb Wood, Clandeboyne Estate	J47837924	03 Jun 2004	R. Birch
Crawfordsburn Country Park	J467823	18 Oct 2015	G.V. Day
Sketrick Island, Strangford Lough	J5262	30 May 2011	G.V. Day
Ballydorn Td, Whiterock, Strangford Lough	J5262	02 Sep 2015	G.V. Day

Gunnera tinctoria (Molina) Mirb.
Giant-rhubarb

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2019**

A large persistent ornamental usually found on wet ground. It spreads vegetatively and by seed, and may be invasive. It appears to have been introduced at sites in County Down and is included here because of concerns about the spread of the genus.

Location	Grid Ref.	Date	Recorder
Dromantine	J0835	15 May 2016	G.V. Day & BSBI
		21 May 2017	G.V. Day
Hillsborough Castle Estate	J239586	2008	J. Early
	J239586	01 Apr 2009	J. Early
	J241591	14 Jun 2005	G. Wallace
Dick's Bay, Moneydorrugh Beg	J3617	02 May 2004	G.V. Day
Castlewellan Forest Park	J331369	13 Nov 1978	P. Hackney
	J3337	28 Jun 2015	G.V. Day
	J3237	23 Jul 2017	G.V. Day
Seaforde Estate	J4043	23 Jul 2010	G.V. Day
railway bridge near Quoile	J47074524	May 2001	R. Govier
Saintfield mill pond	J409593	01 Apr 2009	J. Early
Windmill Rd, Windmill Hill, Ballyagherty	J409595	2008	J. Early
Stormont Estate	J401747	02 Jul 2000	S. Wolfe-Murphy
	J399753	14 Jun 2005	G. Wallace
Clandeboyne Estate	J4779	31 Oct 2002	G.V. Day & J. Harron
Crawfordsburn Country Park	J466819	1970	P. Hackney
	J465818	2008	J. Early
	J465818	01 Apr 2009	J. Early
Ballyviggis, Ballygallum	J50444097	19 Jan 2013	NIEA staff

Location	Grid Ref.	Date	Recorder
Audley's Castle, Castle Ward	J5750	21 Apr 2013	G.V. Day & M. Marshall
Sketrick Island, Strangford Lough	J5262	30 May 2011	G.V. Day
Ballydorn Road, Killyleagh	J52256291	28 Sep 2019	B. Harcourt
Mount Stewart	J552700	28 Mar 1998	P. Hackney
Drumfad Bay, Millisle, Ards Peninsula	J6074	31 May 2014	G.V. Day

SAXIFRAGACEAE

Saxifraga granulata Linnaeus
Meadow Saxifrage

Euro.: **not listed**
Ir.: **FPO; RDB Endangered**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **pre-1888**

A garden escape under trees and on dry banks in old parkland. Only the cultivated double-flowered form has been found.

Location	Grid Ref.	Date	Recorder
Belvoir Park Forest, was abundant - searched for since but not refound	J3469	1870	BNFC
Castlereagh Hills, Lagan Valley	J37	pre-1888	S.A. Stewart

Saxifraga tridactylites Linnaeus
Rue-leaved Saxifrage

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A small native annual calcicole of open situations on dry rocks, sand-hills and walls. This plant was first recorded in 1800. There has been an expansion of the distribution of this species, and it no longer fits the criteria of the register.

Micranthes stellaris (L.) Galasso, Banfi & Soldano
Starry Saxifrage

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A scarce native perennial plant found in open situations by streams on wet acid rocks of granite or shale from 275-720m in the Mourne Mountains. It was first found on Pulgarve in 1793. This plant has not been recently recorded from some of its early stations and has declined. It is now confined to a few fragmented patches on the slopes of the Slieve Donard/Commedagh massif (J. Harron pers. comm.). It may therefore be at risk from, for example, prolonged drought or fire.

Location	Grid Ref.	Date	Recorder
Hare's Gap, Mourne Mountains	J322286	1914	W.J.C. Tomlinson
Diamond Rocks, Mourne Mountains	J3229	1865	Unknown
Cove Mountain, Mourne Mountains	J3327	pre-1890	S.A. Stewart & R.Ll. Praeger
Shan Slieve, Mourne Mountains	J340299	06 Nov 1990	C. Wilson
Slieve Beg north, Mourne Mountains	J342279	25 Jul 1990	C. Wilson & C. Byrne

Location	Grid Ref.	Date	Recorder
Slieve Commedagh, Mourne Mountains	J3428	1916	S.A. Bennett & BNFC
	J3428	1969	J. Wilde
	J34282849	14 July 2015	S. Mulvaney
	J352284	10 Sep 1982	J. Harron
	J345284	25 Jun 1990	C. Wilson & C. Byrne
	J346283	25 Jun 1990	C. Wilson & C. Byrne
	J342285	25 Jul 1990	C. Wilson & C. Byrne
Pot of Pulgarve, Mourne Mountains	J348289	1793	J. Templeton
	J348289	1917	S.A. Bennett
Slieve Donard, Mourne Mountains	J3528	pre-1890	S.A. Stewart & R.Ll. Praeger
Eagle Rock	J35442842	16 Jun 2022	G.V. Day
	J35472808		
	J35542835	05 Apr 2002	G.V. Day & P. Hackney
On bog moss beside Glen River, between Slievenamaddy and Thomas Mountain, Mourne Mountains	J3529	1981	P. Hackney
Slievenamaddy, Mourne Mountains	J3529	02 Jul 1992	P. Jackson & M. Flatt
Glen River, Mourne Mountains	J3629	1981	P. Hackney
	J33	1981	S. Beesley
	J360293	27 Nov 1990	C. Wilson
	J362294	27 Nov 1990	C. Wilson

CRASSULACEAE

Crassula helmsii (Kirk) Cockayne
New Zealand Pigmyweed

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

An invasive species was first found in 1985 at Glastry Clay Pits and still present in 2023. It has since been found at several other locations where it was probably introduced. It is highly likely to spread further.

Location	Grid Ref.	Date	Recorder
Lough Island Reavy - north shore	J290346	08 Sep 2002	J. Harron
	J29023461	31 Aug 2003	G.V. Day
Dundrum Inner Bay	J399362	01 Apr 2009	J. Early
Lady Dixon Park pond	J30566775	19 Apr 2023	J. Dalzell
Loughinisland (unlocalised)	J4145	Sep 2002	J. Harron
Castle Espie, Strangford Lough	J4967	14 Jun 2014	G.V. Day & BNFC
shore south of Horse Island	J596603	06 Aug 1990	J. Harron
	J596603	1991	J. Harron
Hunt's Park, Donaghadee, Ards Peninsula	J5879	26 Jun 1999	J. Wilde

Location	Grid Ref.	Date	Recorder
Glastry Clay Pits (National Trust)	J635631	1985	R.S. Weyl det. P. Hackney
	J639630	1986	P. Hackney & O. Morton
	J639630	1986	R.S. Weyl
	J635631	1988	O. Morton
	J639630	06 Jun 1990	Northern Ireland Lakes Survey Team
	J639630	15 Aug 1999	P. Hackney
	J639630	2000	P. Hackney
	J6363	31 Aug 2002	G.V. Day
	J63566306	04 Sep 2003	G.V. Day
	J635631	27 Aug 2007	G.V. Day
	J638629	01 Jan 2008	J. Early & NIEA
	J635631	15 Mar 2008	G.V. Day
	J638628	05 Sep 2008	A. Jackson
	J6362	03 Jul 2013	G.V. Day
	J6363	03 Jul 2013	G.V. Day
	J6362	25 Dec 2020	G.V. Day & J.D. Nunn
	J6362	22 Sep 2023	G.V. Day & R. Ridley
	J6363		

Crassula tillaea Lest.-Garl.
Mossy Stonecrop

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

This tiny naturalised species was first found in 1991 at Slieve Donard hotel in Newcastle, became established along the boardwalk at Murlough about 2005, and has since been recorded around Newcastle and at several dispersed sites in the county. It seems likely to persist and spread further.

Location	Grid Ref.	Date	Recorder
Tonaghmore	J13125016	17 Jul 2016	G.V. Day & J.D. Nunn
Granite Trail, Donard Forest, Mourne Mountains	J37952965	13 May 2018	G.V. Day
Castlewellan	J3336	15 Jun 2019	O. Pescott
Castlewellan Forest Park	J3337	28 Jun 2015	G.V. Day
Annesley Arboretum, Castlewellan Forest Park	J335372	02 Jul 2015	I. McNeil
	J33463718	30 Apr 2016	R. Anderson
Slieve Donard Hotel grounds & surrounds	J3831	1991	D. McClintock
	J3831	1994	D. McClintock

Location	Grid Ref.	Date	Recorder
Murlough NNR	J3933	c2005	G.V. Day det. R.M. Walls
	J3933	11 May 2014	G.V. Day
	J3933	13 Sep 2014	BSBI
	J3933	25 May 2016	R.M. Walls
	J3933	30 Jul 2019	J. Whatmough
	J3933 J4033	18 May 2022	G.V. Day
	J3933 J4033	25 May 2023	G.V. Day & J.D. Nunn
	J395336	01 Sep 2014	I. McNeil
	J396337	24 Sep 2010	R. Field
	J39703396	29 Sep 2012	G.V. Day
	J400335	22 Jul 2008	T.C.G Rich, R.L. Hoddd & M. Jannink
	J4033 J4034	11 May 2014	G.V. Day
	J40553398	05 Apr 2009	G.V. Day
	J40653411	22 Jul 2019	J. Whatmough
	J41163511	31 Jul 2019	J. Whatmough
	J41173510	25 Apr 2014	G.V. Day
	J41243496	04 Jul 2015	G.V. Day
	J4134 J4234	22 Jun 2008	R.M. Walls
Slidderyford car park	J39513414	11 May 2014	G.V. Day
Slidderyford-Murlough NNR	J396340	22 Apr 2015	R. Anderson
Wateresk Td	J395344	31 Jul 2009	T. Curtis
Dundrum Inner Bay	J39563544	05 Apr 2009	G.V. Day
Kilclief, Shore Road	J59764541	07 May 2017	G.V. Day & J.D. Nunn
Killard Road, Kilclief	J59904424	13 May 2019	S. Belshaw
Killard	J59944383 J59954383	03 May 2016	R. Anderson
track to Audleystown Court Cairn, Audleystown	J56375039	20 May 2019	G.V. Day

Rhodiola rosea (Linnaeus) Scop.
Roseroor

Euro.: **not listed**
Ir.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A rare attractive native perennial first found before 1890 in the Mourne Mountains, where it grows on wet ledges of shale and basalt rocks at 300-600m. Whilst this species has declined and has disappeared from some stations, perhaps because of sheep-grazing, it appears to be at low risk of further losses because of accessibility.

Location	Grid Ref.	Date	Recorder
Shanlieve, Mourne Mountains	J2422	pre-1890	R.Ll. Praeger
Pigeon Rock Mountain	J2625	pre-1890	R.Ll. Praeger
Slieve Muck ridge at SE and NE crags at c.540m, Mourne Mountains	J280250	1955	M.P.H. Kertland
	J279245	1982	P. Hackney

Location	Grid Ref.	Date	Recorder
Slieve Muck, Mourne Mountains	J2825	pre-1890	R.Ll. Praeger
	J2825	13 May 1982	P. Hackney
	J22	09 Sep 2000	G.V. Day
	J2825	15 Aug 2002	G.V. Day & P. Hackney
	J28372546	21 Aug 2010	G.V. Day
	J283254	09 Mar 2019	R.L. Hodd
Slievenaglogh, Mourne Mountains	J2923	pre-1890	R.Ll. Praeger

Petrosedum forsterianum Sm.
Rock Stonecrop

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A low-growing, mat-forming introduced perennial found growing on walls and other well-drained sites. It has been confused with *Sedum rupestre*. Most records for *S. forsterianum* come from the north of the county.

Location	Grid Ref.	Date	Recorder
Killowen Village	J1915	1987	P. Hackney
Carnacavill Td	J37173367	28 Aug 2001	G.V. Day
	J372335	Mar 2013	I. McNeill
Ballynahinch	J367547	10 Jul 1999	J. Harron
Montalto Estate - south-east boundary of deer park	J373515	27 May 1999	P. Hackney
Comber	J4669	1926	C.D. Chase
Camphill Community, Glencraig	J4381	25 May 2019	G.V. Day
Ballywatticock, Newtownards	J526732	10 Aug 1999	G.V. Day
	J527732	18 Apr 2000	G.V. Day
	J52737320	15 May 2004	G.V. Day
Pole Hill, Loughriscouse	J53237350	15 May 2004	G.V. Day

HALORAGACEAE

Myriophyllum aquaticum (Velloso) Verdcourt
Parrot's-feather

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2012**

This neophyte perennial aquatic plant is grown in aquaria and ponds. It can be highly invasive. It was first recorded in Ireland at Glastray. However it has apparently not persisted, as it has not been refound, and may have been out-competed by *Hydrocotyle ranunculoides*.

Location	Grid Ref.	Date	Recorder
Hillsborough Castle Lake	J248584	2008	J. Early
Balloo Cross Roads, garden pond	J480600	27 Sep 2008	R. Morrison
Castle Espie, Quarry Pool	J493672	21 Jul 2006	R. Anderson
		21 Aug 2012	
Crawfordsburn old pond	J4682	2002	R.S. Weyl
Crawfordsburn new pond	J4682	2004	R.S. Weyl
Clea Lakes at Killyleagh	J510549	2008	J. Early
Glastry Lake (south of road), Ards Peninsula	J639630	1988-1990	N.I. Lake Survey det. C.D. Preston
	J638629	2008	J. Early

Myriophyllum verticillatum Linnaeus
Whorled Water-milfoil

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1990**

A rare native perennial plant that grows in static or slowly moving water. The single record from near Saintfield is based on a poor quality voucher that can only provisionally be identified. This site should be revisited to collect further material for confirmation. As the potential population there is small, any loss would render it extinct in the county.

Location	Grid Ref.	Date	Recorder
Ballygeely Lough	J426577	1988-1990	N.I. Lake Survey det. P. Hackney

FABACEAE

Ornithopus perpusillus Linnaeus
Bird's-foot

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **1957**

A native annual that usually grows in well-drained dry ground near the sea. It has been recorded from Newcastle and the outer Ards Peninsula, but has not been seen in the wild since 1957 and is extinct.

Location	Grid Ref.	Date	Recorder
gravelly ground near Newcastle dunes	J3731	1930	E.N. Carrothers
Newcastle - garden weed	J3731	1957	A.W. Stelfox
quarry at Lisbane near Ardkeen	J603580	1924	G.O. Searle
	J603580	1937	E.N. Carrothers

Vicia lathyroides Linnaeus
Spring Vetch

Euro.: **not listed**
Ir.: **RDB Rare**
Local: **2**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2018**

A scarce native species found on sand dunes, other sandy coastal habitats including old walls. This species was first recorded in 1868 at Donaghadee and was recorded along parts of the north-east coast. It has declined along the outer Ards peninsula and is now most likely to be found along the south-east coast at e.g. Murlough and Dundrum where the population appears to be at low risk e.g. on National Trust land.

Location	Grid Ref.	Date	Recorder
Newcastle Golf Club	J3832	07 Oct 1992	Habitat Survey Team, EHS
Murlough ASSI - 16 sites in 1km area	J3933	11-14 May 1991	E. Porter
Murlough NNR	J3933	20 May 1992	J.A. Lister
	J396333	25 Apr 2007	R. Anderson
	J39763369 J39833352	11 May 2014	G.V. Day
Murlough ASSI	J400337	14 May 1991	E. Porter & I. Crawford
	J402337	14 May 1991	E. Porter & I. Crawford
Murlough ASSI - 6 sites in 1 km area	J4034	14-15 May 1991	E. Porter & I. Crawford
Murlough ASSI	J410342	15 May 1991	E. Porter & I. Crawford
	J41103446	14 May 2004	G.V. Day & J. Harron
Murlough House	J4135	21 May 1992	M. Flatt
Dundrum Castle - top of keep	J403369	1923	C.D. Chase

Location	Grid Ref.	Date	Recorder
Dundrum dunes	J404385	1977	R. Anderson
	J404385	1985	P. Hackney
Ballykinler	J421348	1970	J. Harron
	J43373508	9 May 2014	G.V. Day
Ballykinler MoD	J42733562	03 Jul 2015	R. Anderson
Rathmullan	J43	1970	J. Harron
Craigalea	J44453547	09 May 2014	G.V. Day
	J44553541	14 May 2004	G.V. Day & J. Harron
Ringsallin Point	J465353	1970	J. Harron
Tyrella	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J47163613	27 Apr 2014	G.V. Day, P. Hackney, M. Marshall & S. Mulvaney
	J47123613	25 May 2018	R. Anderson
	J47113620 J46983615	29 May 2018	G.V. Day
Tyrella - 6 plants	J47233624	14 May 2004	J. Harron & G.V. Day
along Ards coast between Ballywalter and Ballyholme at intervals	unknown	unknown	<i>Hackney 1992</i> - many recorders
Millisle, Ards Peninsula	J5975	1932	W.R. Megaw
Millisle - possible error of identification	J5975	1984	P. Hackney
Ballyholme Bay, Bangor	J5182	1871	H. Robinson
Donaghadee Village	J5980	1868	S.A. Stewart
	J5980	1871	S.A. Brenan
	J5980	1905	W.J.C. Tomlinson
Slane's Point	J63645585	19 Apr 2009	G.V. Day
Slane's Bay, Ards Peninsula	J6455	1970	J. Harron
Cloghey Dunes, Ards Peninsula	J64925754	23 Apr 2006	G.V. Day
Ballywalter Village, Ards Peninsula	J6269	1928	BNFC
Millisle sea front, Ards Peninsula	J6174	1945	E.N. Carrothers
Ballyferis Point, Ards Peninsula	J6273	1928	C.R. Nodder

Ervilia sylvatica (L.) Schur
Wood Vetch

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2019**

A scarce native perennial that was first recorded in 1793. Mostly recorded near the coast where it grows in thickets, on scree and dry slopes. This species has declined and the main centre of population is in the south-east where it appears at low risk e.g. on National Trust land.

Location	Grid Ref.	Date	Recorder
Rostrevor	J1718	1793	J. Templeton
Leestone Point approach	J338158	07 Apr 1973	J. Harron
Ballymartin	J340162	07 Jul 2017	P. McErlean
below Ballymartin Village, 4km NE of Kilkeel	J344165	30 Apr 1998	P. Hackney
Glasdrumman Port - shingle beach	J3822	1907	W.J.C. Tomlinson
Mullartown Point	J382212	1997	R. Irvine
	J381210	02 Jul 2009	J. Harron
The Broad Cove, Ballaghanery Upper Td	J3827	04 Aug 1998	P. Hackney
Dunmore Head, Glasdrumman	J387245	27 Sep 1999	J. Harron
Ballaghanery Upper Td, 3.5km N of Annalong - very scattered	J389271	21 Sep 1991	E. Porter & I. Crawford

Location	Grid Ref.	Date	Recorder
Bloody Bridge Coastal Path	J3926	pre-1890	S.A. Stewart & R.Ll. Praeger
	J387270	12 Jul 1979	R.S. Weyl
	J390267	1992	P. Hackney
	J3926	01 Jul 1992	J.A. Lister
	J389269	11 Sep 1992	J. Harron
	J390269	1997	R. Irvine
	J389270	29 Aug 2001	G.V. Day
	J38852697	17 Jul 2002	G.V. Day
	J38922713	22 Jun 2006	J.D. Nunn conf. G.V. Day
	J389269	02 Jul 2009	R. Anderson
	J38862699 J38902702 J38912703	17 Aug 2010	G.V. Day & P. Hackney
	J3826	04 Jul 2013	G.V. Day & P. Hackney
	J38942611	26 Apr 2015	G.V. Day & M. Marshall
	J389262	08 Jul 2018	A. McComb
Drumbo	J3265	1860s	D. Orr
Orangefield Park	J36887274	23 Jul 2019	J. Dalzell
East Twin, Belfast Docks	J3676	1964	M.P.H. Kertland
Charleville Glen	J3770	1860s	D. Orr
Dundrum Inner Bay North	J4037	12 Aug 2012	J. Harron
quarry by railway north of Dundrum	J404385	pre-1895	R.Ll. Praeger
	J404385	1981	P. Hackney
Dundrum Coastal Path (Railway Line)	J4137	Summer 1981	P. Hackney
	J4137	1985	National Trust Biological Surveyor
	J4137	30 Jun 1992	M. Flatt
	J4138	07 Aug 1997	P. Hackney, C. Moody & G.V. Day
	J41423779 J41463791	07 Sep 2008	G.V. Day
	J415380	30 Jun 2009	R. Anderson
	J4137	06 Aug 2011	BNFC
	J4137	22 Jul 2014	A. Crory
	J4137	18 Sep 2019	I. McNeill
railway bank near Clandeboye	J47	pre-1888	R.Ll. Praeger
near Grey Point, Crawfordsburn Country Park	J4583	pre-1938	R.Ll. Praeger
Killyleagh	J5252	pre-1938	R.Ll. Praeger

Lathyrus nissolia Linnaeus
Grass Vetchling

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB least Concern**
Last seen: **2019**

An introduced species that is conspicuous only when in flower. It has only been seen at two sites and appears to have persisted at the Knock Road, Belfast location since 1999.

Location	Grid Ref.	Date	Recorder
Knock Rd, A55 Outer Ring, Belfast	J386734	12 Jun 1999	J. Wilde
	J388734	2001-2003	J. Wilde
	J38667347	10 Jun 2019	G.V. Day
Tillysburn Nature Park, Knocknagoney	J382767	21 Aug 1999	S. Wolfe-Murphy
	J3876	11 Aug 2001	BSBI

Lathyrus palustris Linnaeus
Marsh Pea

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1920**

A scarce native climbing perennial that was first noted at Ellis's Gut before 1825 and is restricted to this area of Lough Neagh. This species has declined and has not been refound at the Lagan canal despite searches, so it is probably extinct in the county.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh - absent from this shore now within county Down (J. Harron)	J0862	pre-1825	J. Templeton
	J0862	1838	G.C. Hyndman
	J0862	1911	BNFC
	J0862	1913	N. Carrothers
	J0862	1920	A.W. Stelfox & R.Ll. Praeger

Trifolium arvense Linnaeus
Hare's-foot Clover

Euro.: **RDB Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2020**

A scarce native annual found in open sandy places, on rocky outcrops, in dry grassy fields, and is sometimes a casual. This species has been recorded in Belfast, but most records are coastal. It was first recorded in 1878, to the east of Dundrum, and while some early records come from the Dundrum area, it has not been recorded there since 1957. This species has markedly declined, but may still be found in the Killard/Portaferry area. The population of this species may be vulnerable to further losses as marginal land is 'tidied up'.

Location	Grid Ref.	Date	Recorder
Glasdrumman Port	J3822	1907	W.J.C. Tomlinson
Newcastle Bay	J3730	1896	C.H. Waddell
dunes near Slieve Donard Hotel, Newcastle	J3731	1957	B.E.S. Gunning & J.S. Pate
Newcastle Golf Club	J380320	10 Sep 2016	I. Rippey
Queen's Island, Belfast Docks	J35447538	03 Jul 2016	R. Anderson
Bloomfield, near Belfast - railway banks	J3773	pre-1863	W. Millen
Murlough dunes	J4134	1939	J.P.M. Brenan & N.D. Simpson
Ballykinler	J4234	pre-1895	R.Ll. Praeger
Ringsallin Point, Clanmaghera - sands	J4635	1878	T.H. Corry
Rough Island, Strangford Lough	J4968	pre-1888	S.A. Stewart
Benderg bay	J59774274	25 Aug 2002	G.V. Day
Portaferry	J595504	21 Jul 2002	D. McNeill
Shore Road, Portaferry	J595502	26 Jun 2020	G.V. Day
Portaferry	J5950	02 Aug 2020	G.V. Day & J.D. Nunn
Lough Cowey, Ards Peninsula	J5954	1903	R.Ll. Praeger
Killard Lower Td, Strangford Lough	J604437	01 Jun 1991	E. Porter & I. Crawford
Carrstown Burn, south east of Portaferry	J6047	24 May 1999	G.V. Day
Killard ASSI - scattered	J605435	01 Jun 1991	E. Porter & I. Crawford
	J606435	01 Jun 1991	E. Porter & I. Crawford

Trifolium medium Linnaeus
Zigzag Clover

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2011**

A scarce native perennial in grassland, in hedgerows, on dry banks and in quarries. It was first recorded in 1880 at Portavoe and is distributed in the east of the county. The population of this species appears to be stable and at low risk.

Location	Grid Ref.	Date	Recorder
Barrack Hill Lake	J0948	24 Jul 2011	G.V. Day & R. Field
Ballymacanallen, 1.5km north of Gilford	J067508	15 Oct 2005	W.I. McNeill
Ballincurry River, Mourne Mountains	J210162	07-17 Jun 1991	C. Wilson & S. Gallagher
Newcastle	J3731	pre-1888	R.Ll. Praeger
Tillysburn Nature Park	J3876	11 Aug 2001	BSBI
Belfast Harbour Estate	J3877	11 Aug 2001	BSBI
Abbey Road, Tullycarnet - railway embankment	J398735	1950	Unknown
Dundrum Coastal Path (Railway Line)	J4137	1985	National Trust Biological Surveyor
Boyd's Quarry, Craigantlet	J4376	1956	B.E.S. Gunning & J.S. Pate
Quarry tip, Scrabo	J476730	1922	A.W. Stelfox
Scrabo Hill	J477721	26 Jun 1991	J. Harron & W.E. Harrison
Scrabo Quarry	J47777238	15 Sep 2002	BSBI
	J4772	30 May 2011	G.V. Day
Newtownards	J4974	1964	J. Darragh
Conlig Hill	J4976	1958	BSBI
Sketrick Island, Strangford Lough	J5262	30 May 2011	G.V. Day
Orlock Point	J565831	29 Sep 2007	J. Harron
Portavoe	J5682	1880	T.H. Corry
Inishargy Bog	J60646467	29 May 2011	D. McCormick

Trifolium micranthum Viv.
Slender Trefoil

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2017**

A rare small native annual that grows in open grassland on sand or gravel on the county Down coast and on lawns and paths elsewhere. It was first noted before 1864, and has apparently markedly declined and may be endangered.

Location	Grid Ref.	Date	Recorder
Ballykeel Point, Maghereagh - in dry raised gravelly ground close to shore	J337152	14 Jun 1996	J. Harron
Kensington Road, Belfast - in lawn	J387731	22 Sep 1997	J. Wilde
Stormont Estate	J39937492	01 Jul 2017	M. Wright
	J400742	29 Jun 2013	M. Wright
Kinnegar	J3978	pre-1864	Unknown
Hollywood	J4079	pre-1864	Unknown
lawn at Craigavad, laid with sods from Ardglass	J4281	1934	R.Ll. Praeger
rocks below Ardglass Presbyterian church	J5537	1902	R.Ll. Praeger
on shore below Ardglass Presbyterian church	J5537	1939	V.F. Grainger
on low bosses of rock opposite Kilchief at Ballyedock Lodge	J54	1918	R.Ll. Praeger
0.4km north of Long Port, Ards Peninsula	J6347	1918	R.Ll. Praeger

Trifolium ornithopodioides Linnaeus
Bird's-foot Clover

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1975**

A rare native annual in grassy places on sand and gravel by the sea. It was first recorded in 1799 and there have only been four records since, all of them to the north-east of Newcastle. It is probably extinct.

Location	Grid Ref.	Date	Recorder
Dundrum Bay - dunes	J404385	1975	J. Pitt
on a gravelly bank sloping to the sea at the northern end of Holywood warren - gone by 1888	J4079	1799	J. Templeton
Coney Island	J5436	1902	R.Ll. Praeger
Ardglass - mostly on low glaciated bosses of Silurian slates	J5537	1902	R.Ll. Praeger
Sheepand Harbour	J5839	1902	R.Ll. Praeger

Trifolium striatum Linnaeus
Knotted Clover

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2011**

A rare native annual found on open well-drained stony grassy banks on the coast. Records for this species come from land around the lower part of Strangford Lough. It was first recorded in 1902 from Coney Island near Ardglass and was still there in 1920. Recent records come from the Ards Peninsula near Portaferry and opposite Gun's Island near Ballyhornan. This species has greatly declined, probably because of agricultural improvement and development. Although it has not been recorded since 1986, it may still be on Gun's Island. The population of this species is very low and is vulnerable.

Location	Grid Ref.	Date	Recorder
Rossglass	J5135	1902	R.Ll. Praeger
west of St. John's Point	J5233	1902	R.Ll. Praeger
Killough	J5336	1910	W.J.C. Tomlinson
	J5336	1919	R.Ll. Praeger
Coney Island, Ardglass	J5436	1902	R.Ll. Praeger
	J5436	1920	S.A. Bennett & C.D. Chase
shore below Ardglass Presbyterian church	J5537	1912	N. Carrothers
Ardglass	J5537	1939	V.F. Grainger
Sheepand Harbour, not there now	J54	11 Jun 1985	Habitat Survey Team, EHS
Gilpin Harbour, Gun's Island	J5941	1902	R.Ll. Praeger
mainland opposite Gun's Island - on short turf on slate rocks	J597412	1984	P. Hackney
	J59134142	27 May 2006	J.D. Nunn det. P. Hackney
	J59154143	27 May 2006	P. Hughes det. P. Hackney
	J59144134	27 May 2006	P. Hughes det. P. Hackney
Gun's Island	J598412	14 Jun 1985	Habitat Survey Team, EHS
	J597412	1986	R.J. Bleakley
Kilclief Bay, Kilclief Village	J5945	1917	R.Ll. Praeger
Ardkeen, Strangford Lough	J5956	1985	Habitat Survey Team, EHS
Mill Quarter Bay, Mill Quarter	J6044	1917	R.Ll. Praeger
near Long Port, Ards Peninsula	J6347	1917	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Templecowey, Ards Peninsula	J627477	07 Jun 1985	Habitat Survey Team, EHS
	J629477	28 Apr 2011	R. Anderson
	J6347	1986	R.J. Bleakley
0.4km south-east of Quintin Castle, Ards Peninsula	J6350	1917	R.Ll. Praeger
0.4km south of Kearney, Outer Ards Peninsula	J6451	1917	R.Ll. Praeger

Ulex minor Roth
Dwarf Gorse

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2018**

An introduced shrub that is found on well-drained acidic sandy or gravelly soils. The first record is from Slieve Donard in 1897, although it was mis-identified at that time. No living botanist had seen this species in Ireland, which had hitherto not been thought to occur here, until it was found in the 1980s on the Dundrum dunes (1987) and Tollymore Park (1989). This species is difficult to identify and may be overlooked for *Ulex gallii*.

Location	Grid Ref.	Date	Recorder
Milltown, River Bann	J1148	24 Aug 1999	P. Hackney
Slieve Donard - mountain slope	J32	22 Jul 1897	S.A. Stewart det. M.C.F. Proctor c. 1964
Granite Trail, Donard Forest	J37522911	13 May 2018	G.V. Day
Tollymore Forest Park	J33	1989	J. Whatmough
Dundrum dunes	J33 or J43	1987	J. Whatmough

ROSACEAE

Prunus domestica Linnaeus ssp. *insititia* (Linnaeus) Bonnier & Layens
Bullace

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2016**

An archaeophyte first noted before 1888. It occurs as a relic of cultivation in hedges and scrub where it is usually planted and perhaps is occasionally self-sown. The population of this taxon is declining and it is probably endangered.

Location	Grid Ref.	Date	Recorder
Ewart's Glen	unknown	1919	C.D. Chase & S.A. Bennett
	unknown	1921	C.D. Chase & S.A. Bennett
Coolnacran	J1043	13 Jul 2016	G.V. Day & BNFC
Rostrevor Wood	J11	pre-1833	<i>Kane 1833</i>
Rostrevor Oakwood NNR	J186173	1990	P. Hackney
Drumbo	J3265	pre-1888	S.A. Stewart
near Purdysburn	J3467	pre-1888	S.A. Stewart
Knock Glen, Belfast	J3873	pre-1888	S.A. Stewart
frequent in hedges by the river Quoile	J498472	1985	P. Hackney
Saintfield	J4059	1896	C.H. Waddell
Ballymaleidy, Comber	J4368	pre-1888	S.A. Stewart
Island Hill S, Strangford Lough	J484686	16 May 2005	R. Anderson
between Ballywalter and Greyabbey	J56 or J66	pre-1888	S.A. Stewart

Prunus padus Linnaeus
Bird Cherry

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2007**

A rare small tree, originally probably native to the county and first noted in 1878, but nowadays it is far commoner as an introduced or planted tree, and truly native individuals are either very scarce or extinct. It is found in woods and scrub in glens, thickets and rocky places. The sites are widely distributed throughout the county, and the population appears to be at low risk. As it has now been widely recorded, it no longer fits the criteria for inclusion.

Pyrus communis L.
Pear

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2013**

An introduced tree. It is usually planted, but may grow from seed. It was first recorded at Annadale in Belfast in 1996.

Location	Grid Ref.	Date	Recorder
Dundrinne, Castlewellan – single large tree	J35503556	16 Aug 2013	G.V. Day
Annadale (unlocalised)	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & A.G. Hill
Belfast Harbour Estate	J383780	08 Sep 2000	S. Wolfe-Murphy

Malus sylvestris Mill.
Crab Apple

Euro.: **Data Deficient**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2017**

A scarce native tree that was first recorded in 1797 in Holywood Glen. It occurs hedgerows, scrub and in rough glens (the native habitat), often close to habitation. This species hybridises with *Malus domestica* and it can be difficult to determine the status of plants. It is occasional as an introduced or planted tree, and truly native individuals are either very scarce or extinct.

Location	Grid Ref.	Date	Recorder
Lough Shark – old gnarled specimen growing from a man-made bank close to lake	J065410	19 Jul 2003	J. Harron
Annaghdroghal	J06	1922	A.W. Stelfox
	J06	1985	P. Hackney
Loughbrickland	J105433	19 Jul 2003	J. Harron
River Lagan at Donaghcloney	J137529	02 Aug 1987	J. Harron
hedge near sewage works, Dromore	J25	1988	BNFC
Drummiller	J234526	15 May 1992	J. Harron
Tievenadarragh, west of Downpatrick – mature tree growing from base of old dry stone wall	J399469	23 May 2004	J. Harron
Lisbane Td	J3758	13 May 2017	J. O'Boyle
between Edenderry & Shaw's Bridge beside River Lagan	J36	1985	P. Hackney
New Grove, Ballycarn Td	J317667	22 Jun 2005	G. Wallace
Castlereagh Glen	J37	pre-1863	<i>Tate 1863</i>
Ballymaghan Glen	J37	pre-1863	<i>Tate 1863</i>
Knockhill Park	J3873	03 Jun 2011	M. Wright
Ballydargan (Ballydargon), Whigamstown	J49283815	22 May 2004	R. Birch
Finnebrogue	J44 or J54	1980	R.J. Bleakley
Rossconor, 3km SSW of Crossgar	J436477	09 May 1987	J. Harron
Victory Wood, Beans Hill, Quoile	J4846	25 May 2004	R. Birch

Location	Grid Ref.	Date	Recorder
rath near Glasswater River – old gnarled specimens growing out on the outer bank of the earthworks	J454552	29 Jun 2003	J. Harron
Turmennan	J4850	1985	R.J. Bleakley
Finnebrogue House & Woods	J487477	31 May 2005	H. Adams
Hollywood Glen, three or four bushes remaining	J47	May 1797	J. Templeton
Knock Glen	J47	1878	T.H. Corry
Crawfordsburn Country Park	J4682	19 Jun 2012	M. Thompson
Ringdufferin, Strangford Lough	J532561	11 Jun 2005	H. Adams
Polehill Fishery, Loughries Rd, Ards Peninsula	J5374	13 Sep 2009	G.V. Day
Mount Stewart	J558702	20 Nov 2017	T. Edwards
Castle Park, Bangor	J50628101	12 Apr 2004	R. Birch
Greyabbey Td, Ards Peninsula	J584683	03 Jun 2005	H. Adams

Sorbus aria (Linnaeus) Crantz *sensu stricto*

Common Whitebeam

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2013**

A neophyte tree that usually occurs in scrub or rough ground on base-rich soils. Mostly planted, but it may also be self-sown. Records are widely distributed through the county.

Location	Grid Ref.	Date	Recorder
Kilbroney Red Bog - planted	J2121	19 Aug 2007	G.V. Day & J. Faulkner
Round Seefin, Glasdrumman Upper	J355229	02 Aug 2011	G.V. Day
Drinnahilly, Donard Park, Mourne Mountains – above caravan park on northern slope – presumed planted, two trees seen	J363306	17 Jun 1998	P. Hackney
Knock Rd, Belfast	J37	27 Aug 2007	B. McNeill
Downpatrick Marshes	J4743	1980-1981	R.S. Weyl
Derryboy Lough	J47325664	22 Jul 2011	G.V. Day
Carngaver Wood - planted in the latter years of 19 th century, only a few trees remain	J4576	1984	J. Harron
Ulster Folk and Transport Museum, Cultra	J4280	12 Oct 2013	C. Barnett
Crawfordsburn Country Park	J4681	19 May 2012	K. Hunter & C. Finlay
Crawfordsburn Country Park	J4682	18 May 2012	G.V. Day
Greyabbey Bay, Strangford Lough	J5767	26 Sep 2010	G.V. Day

Sorbus devoniensis E.F. Warb.
Devon Whitebeam

Euro.: **not listed**
Ir.: **RDB Endangered**
Local: **3**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2008**

An introduced tree of hedges and woodland that is native to south-east Ireland. It seemed naturalised at Raleagh, but about half of this woodland was destroyed by development before 2002. More sites are now known, and the population seems at low risk.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J3432	23 Jul 2008	T.C.G. Rich
Ballykilbeg - three trees in wood bordering a marsh	J449403	10 Oct 1987	J. Harron det. T.C.G. Rich
Ballykilbeg Td	J44974020	27 Sep 2006	J. Harron, T.C.G. Rich & D.C.G. Cann
by Ballynahinch River below bridge at Raleagh: 23 small spreading trees of varying age and size; perhaps planted but apparently they have been there for some time - one tree had a girth of 1.5m and another a canopy spread of 11.5m	J45	1982	J. Harron det. P.D. Sell
Ballynahinch River	J45	24 Aug 1987	J. Harron & W.E. Harrison
Ballynahinch River at Rademon	J4152	31 Aug 1986	J. Harron det P.D. Sell & T.C.G. Rich
Raleagh	J41175213 J41195212 J41215213 J41245216	27 Sep 2006	J. Harron, T.C.G. Rich & D.C.G. Cann
	J41195214 J41285217	21 May 2002	J. Harron & G.V. Day
Comber	J4669	14 Jun 1919	S.A. Bennet & C.D. Chase det T.C.G. Rich
Killynether Wood, Scrabo Hill	J472721	30 Jun 2007	J. Harron det T.C.G. Rich
Portaferry Desmesne, Strangford Lough – gone now	J5950	Jun 1950	C.D. Chase det T.C.G. Rich

Sorbus hibernica E.F. Warburg
Irish Whitebeam

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **1**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2014**

A rare native species that usually grows in scrub or open woodland on base-rich soils. It may have been planted at some of these locations.

Location	Grid Ref.	Date	Recorder
Glenloughan, S of Kilkeel	J31	16 Sep 2014	J. Harron
Dundrum Coastal Path (old railway line)	J4137	12 Aug 2012	J. Harron det T.C.G. Rich
Dundrum Coastal Path (Railway Line)	J41643867	13 Jul 2008	P. Hackney
Hollymount NR, Quoile	J4743	21 Jun 1986	D.L. Kelly det T.C.G. Rich
Redburn Country Park, Old Holywood Rd	J40337778	07 Jun 2004	C. Graham
Hen Island, Strangford Lough	J525643	10 Jun 2005	R. Reynolds & E. Jackson

Sorbus intermedia (Ehrh.) Pers.
Swedish Whitebeam

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2012**

A neophyte tree that was first recorded in 1919 at Carngaver. Most trees are planted, but it may also be self-sown. Records are widely distributed through the county.

Location	Grid Ref.	Date	Recorder
Dromantine	J077355	22 Sep 2016	J. Faulkner
valley between Cratlieve and Altataggart Mountain - several old trees	J2225	1987	I. Rippey & P. Hackney
Shanky's River near Hilltown	J2225	02 Sep 1987	P. Hackney
Near Shanky River, Mourne slopes of Altnataggart Mountain.	J2225	1987	P. Hackney
Altataggart Mountain, Mourne Mountains	J2225	1987	I. Rippey det. P. Hackney
Hillsborough Forest - several trees in wood by lake	J249580	1980	P. Hackney
Kilkeel River upstream of Kilkeel Harbour - a single small but sturdy bush on a bluff on north bank of river	J313147	08 May 1988	J. Harron
near Comber	J4669	1920	S.A. Bennett & C.D. Chase
wood, Carngaver – two stunted specimens along the rim of hillside gully (2005)	J4576	1919	S. Wear
	J4576	1984	J. Harron
	J455777	02 Oct 2005	J. Harron
Crawfordsburn Country Park	J4681	19 May 2012	K. Hunter & C. Finlay
Castle Island, Strangford Lough	J537562	12 Jun 2005	H. Adams & R. Reynolds
S. of Reagh Island (Strangford Lough)	J525645	10 Sep 2002	D.T. Holyoak

Sorbus rupicola (Syme) Hedl.
Rock Whitebeam

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **1**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2012**

A rare native tree that is usually found on open or wooded base-rich rocky soils. The first record, in 1981, is of a woodland colony of trees growing out of chinks of rock in a stunted hazel wood at Killynether Wood. This site now supports a dense growth of hazels and only two *Sorbus* trees have recently been seen. The population is threatened, if not already extinct.

Location	Grid Ref.	Date	Recorder
Killynether Wood, Scrabo Hill	J472723	16 Jul 1981	J. Harron
	J4772	1984	J. Harron
	J4773	1986	J. Harron
	J4773	Summer 1987	J. Harron
	J472723	26 Jun 1991	J. Harron & W.E. Harrison
	J47197251	05 Jun 2002	G.V. Day
	J47197251	06 May 2004	G.V. Day
	J4773	17 Dec 2012	J. Harron
Granagh Bay Nature Reserve – gone now	J606480	02 Oct 1997	J. Harron

Crataegus laevigata (Poir.) DC.
Midland Hawthorn

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1986**

An introduced small tree or shrub. It was first recorded at the Quoile bridge in 1974, but this site has been destroyed.

Location	Grid Ref.	Date	Recorder
hedge between Kilmore and Annacloy	J445499	1987	W.E. Harrison & J. Harron
planted in hedge on north side of river at old Quoile Bridge	J487464	09 May 1971	J. Harron
	J487464	1985	P. Hackney
	J487465	1986	J. Harron

Rubus adenanthoides Newton

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2004**

A perennial that was only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
<u>may not be in Co. Down</u>	J03	1985	A. Newton
near Scarva, 3.5km N of Poyntzpass	J04	1985	A. Newton & P. Hackney
no specific location given	J15	1985	A. Newton
old lane north of Goward	J2430	27 Aug 2004	D.E. Allen & P. Hackney
no specific location given	J33	1985	A. Newton

Rubus adscitus Genev.

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1985**

A perennial only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
beside Castlewellan Lake	J325369	1985	A. Newton & P. Hackney

Rubus anisacanthos G. Braun

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1985**

A perennial first found in 1894. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Aghaderg	J1141	1896	H.W. Lett det. D.E. Allen
	J1141	1897	H.W. Lett det. D.E. Allen
near Lough Brickland	J111411	1985	A. Newton & P. Hackney

Location	Grid Ref.	Date	Recorder
no specific location given	J15	1985	A. Newton
no specific location given	J45	1985	A. Newton
Saintfield desmesne	J4060	1894	C.H. Waddell det. D.E. Allen
no specific location given	J54	1985	A. Newton

Rubus caesius Linnaeus
Dewberry

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2011**

A perennial calcicole of dry places. This plant was first recorded in 1901, and only from the south of Strangford Lough. It readily hybridises with other members of the *Rubi* and the records include hybrids close to *Rubus caesius* proper. Waddell and Hackney's records (repeated by the BSBI in 2000) from Benderg Bay are probably such hybrids. The pure species is not difficult to distinguish from members of the *Rubus fruticosus* group (i.e. the true brambles), and the paucity of records therefore probably reflects its true abundance. It is doubtful if pure *R. caesius* occurs in county Down.

Location	Grid Ref.	Date	Recorder
from Killard to Kilclief, Strangford Lough	J54	1980s	R.J. Bleakley
Kilclief Castle	J5945	28 Aug 2011	J. Harron
Benderg Bay	J64	1901	C.H. Waddell
in great thickets at west end of Benderg Bay	J6042	1989	P. Hackney
	J6042	2000	BSBI
from Killard to Kilclief, Strangford Lough	J6043	1945-1946	R.D. Meikle
Killard NR, Strangford Lough	J6043	15 Jun 1997	BSBI

Rubus dentatifolius (Briggs) W.C.R. Watson

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1913**

A perennial first found in 1903. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Aghaderg	J1141	1903	H.W. Lett
Campbell College, Belmont	J3974	1913	S.A. Bennett det. D.E. Allen

Rubus dunensis Rogers

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1985**

A perennial first found in 1901 that occurs in hedges. It was named by W.M. Rogers after the county of Down following his visit to Canon Lett at Aghaderg. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Rathfriland	J13	1985	A. Newton
Banbridge	J14	1985	A. Newton
Aghaderg	J1141	1901-1902	W.M. Rogers, H.W. Lett, C.H. Waddell

Location	Grid Ref.	Date	Recorder
Caskum, Loughbrickland	J1242	1901-1902	W.M. Rogers, H.W. Lett, C.H. Waddell
Brackenagh	J32	1985	A. Newton
Newcastle	J33	1985	A. Newton
Slieve Croob	J34	1985	A. Newton
Saintfield	J4059	1901-1902	W.M. Rogers, H.W. Lett, C.H. Waddell
Aughnadarragh	J45	1901-1902	W.M. Rogers, H.W. Lett, C.H. Waddell
Crossgar	J45	1985	A. Newton
field next to Rowallane (National Trust) entrance	J414579	1985	A. Newton & P. Hackney
Comber	J46	1985	A. Newton
Struell	J54	1985	A. Newton

***Rubus fissus* Lindl.**

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1905**

A native perennial of the margins of peat bogs that is probably declining because of the loss of raised bogs. Its current status is unclear because of difficulties in identification within the group Series *Suberecti*. The group as a whole has probably declined, caused by the loss of raised bogs, although a lack of interest by modern botanists in *Rubus* generally has probably led to under-recording. More work is required.

Location	Grid Ref.	Date	Recorder
Creevy Lough	J3956	1905	C.H. Waddell det. A. Newton
Saintfield demesne - old moss	J4060	1894	C.H. Waddell det. A. Newton
Carrickmannan Lough - marshy shore	J4460	1866	S.A. Stewart det. A. Newton

***Rubus hesperius* Rogers**

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1985**

A perennial that was only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
no specific location given	J13	1985	A. Newton
hedge near crossroads c. 1km east of Lough Money	J544455	1985	A. Newton & P. Hackney

***Rubus hibernicus* (Rogers) Rogers**

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2004**

A perennial first found in 1901. It has mainly been recorded from the west of the county. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Aghaderg - common	J1141	1901	W.M. Rogers
Aghaderg	J1142	1985	A. Newton & P. Hackney
near Banbridge	J1244	1901	W.M. Rogers
Annaclone, Ardrin - common	J1841	1896	C.H. Waddell det. D.E. Allen
	J1841	1901	W.M. Rogers
Tullyree Hill	J3131	27 Aug 2004	D.E. Allen & P. Hackney
Shimna River at Foley's Bridge	J3432	26 Aug 2004	D.E. Allen
Saintfield	J4059	1901	C.H. Waddell det. W.M. Rogers
	J4059	1905	C.H. Waddell det. W.M. Rogers

Rubus lanaticaulis Edees & NewtonEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2004**

A perennial last found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
no specific location given	J33	1985	A. Newton
Tollymore Forest Park	J358322	23 Aug 2004	D.E. Allen
Aughnadarragh - roadside	J45	1897	C.H. Waddell det. A. Newton
Killinchy Road, Comber - hedge	J45	1985	A. Newton & P. Hackney
Rowallane	J4057	1894	C.H. Waddell det. D.E. Allen
no specific location given	J46	1985	A. Newton
no specific location given	J54	1985	A. Newton
Shrigley, Killyleagh	J5153	1876	S.A. Stewart det. D.E. Allen

Rubus lindleianus LeesEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial first found before 1895. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Aghaderg - 2 stations	J14	pre-1895	H.W. Lett
near Dromara	J24	1985	A. Newton & P. Hackney
Saintfield <i>Wear</i> 1923	J45	pre-1923	C.H. Waddell

Rubus moylei W.C. Barton & Riddelsd.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial first found in 1939. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
beside Castlewella Lake, Castlewella Forest Park	J325369	1985	A. Newton & P. Hackney
between Loughinisland village and the lough	J4145	1939	N.D. Simpson det. W.C.R. Watson

Rubus nessensis W. HallEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1901**

A native perennial found on cut-over peat bogs. It appears to have declined and may be extinct as it was searched for 1985, but not found. Its current status is unclear because of difficulties in identification within the group Series *Suberecti*. The group as a whole has probably declined, caused by the loss of raised bogs, although a lack of interest by modern botanists in *Rubus* generally has probably led to under-recording. More work is required.

Location	Grid Ref.	Date	Recorder
margin of Castlewella Lough	J3236	1893	S.A. Stewart
Castlewella Lake, Castlewella Forest Park	J3236	1901	C.H. Waddell

Rubus pistoris W.C. Barton & Riddelsd.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1992**

A perennial first found before 1938. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Aughnadarragh - may be correct	J45	pre-1938	C.H. Waddell in <i>Praeger & Megaw 1938</i>
Helen's Bay pollard transect, Crawfordsburn Country Park	J4582	30 Aug 1992	T.D. Boyd
south of Killough - may be correct	J53	pre-1938	C.H. Waddell in <i>Praeger & Megaw 1938</i>
hedge near Lough Money	J544455	1985	A. Newton & P. Hackney

Rubus plicatus Weihe & NeesEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1946**

A native perennial. of the margins of peat bogs first found before 1893. Its current status is unclear because of difficulties in identification within the group Series *Suberecti*. The group as a whole has probably declined, caused by the loss of raised bogs, although a lack of interest by modern botanists in *Rubus* generally has probably led to under-recording. More work is required.

Location	Grid Ref.	Date	Recorder
Banbridge	J1244	pre-1938	W.M. Rogers
Annaclone, Ardrin	J1841	pre-1938	H.W. Lett & C.H. Waddell
<i>possibly in Co. Down</i>	J16	1985	A. Newton
Saintfield	J4059	pre-1938	C.H. Waddell
open rocky place by Aughnadarragh Lough	J4459	1893	C.H. Waddell det. A. Newton
no specific location given	J46	1985	A. Newton
Donaghadee	J5980	1946	R.D. Meikle

Rubus radula Weihe ex BoennEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1896**

A perennial that was only found in 1896. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Ballyallaght, Ards Peninsula (name cannot be located on map)	unknown	1896	C. Bailey

Rubus raduloides (Rogers) SudreEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
hedge beside house at crossroads c. 1km east of Lough Money	J545455	1985	A. Newton & P. Hackney

Rubus rhombifolius Weihe ex Boenn.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
near Lough Money	J532461	1985	A. Newton & P. Hackney

Rubus rubristylus W.C.R. WatsonEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial that was only found in 1894. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
no specific location given	J13	1985	A. Newton
Aghaderg Glebe	J14	27 Sep 1875	H.W. Lett

Location	Grid Ref.	Date	Recorder
Loughbrickland - open places	J1042	1896	C.H. Waddell det. A. Newton
Loughbrickland - hedge nearby	J1042	1985	A. Newton & P. Hackney
Mill Hill Lane, Ballintaggart, parish of Aghaderg	J1141	1894	H.W. Lett det. A. Newton

Rubus saxatilis Linnaeus

Stone Bramble

Euro.: **not listed**Ir.: **not listed**Local: **Extinct**N.I.: **not listed**Brit.: **not listed**Last seen: **2006**

An extinct native perennial first found before 1888, previously occurring in rocky places, heaths and dunes. This species is distinctive, and thus unlikely to have been overlooked.

Location	Grid Ref.	Date	Recorder
glen between Ballyeidy and Newtownards	unknown	pre-1833	<i>Kane 1833</i>
frequent in Mourne Mountains	unknown	pre-1892	<i>Stewart & Praeger 1892</i>
Kilbroney River	J12	pre-1890	S.A. Stewart & R.Ll. Praeger
Slieve Martin	J2017	pre-1888	H.C. Hart
Causeway Water	J21	pre-1890	S.A. Stewart & R.Ll. Praeger
Slieve Muck, Mourne Mountains	J2825	pre-1901	Unknown
	J284254	03 Aug 2006	D. McNeill
Conlig Hill	J491762	1949	M.P.H. Kertland

Rubus scissus W.C.R. WatsonEuro.: **not listed**Ir.: **not listed**Local: **DD**N.I.: **not listed**Brit.: **not listed**Last seen: **1985**

On cut-over peat bogs. Very rare, declining. Its current status is unclear because of difficulties in identification within the group Series *Suberecti*. The group as a whole has probably declined, caused by the loss of raised bogs, although a lack of interest by modern botanists in *Rubus* generally has probably led to under-recording. More work is required.

Location	Grid Ref.	Date	Recorder
Down	J45	03 Jul 1866	S.A. Stewart
Saintfield	J46	01 Jul 1866	S.A. Stewart
no specific location given	J45	1985	A. Newton
no specific location given	J46	1985	A. Newton

Rubus scoticus (Rogers & Ley) EdeesEuro.: **not listed**Ir.: **not listed**Local: **DD**N.I.: **not listed**Brit.: **not listed**Last seen: **1898**

A perennial that was only found in 1898. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Newcastle	J3731	1898	G.C. Druce

Rubus wirralensis NewtonEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

A perennial only found in 1985. Its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
no specific location given	J13	1985	A. Newton
near Lough Brickland	J111411	1985	A. Newton & P. Hackney
Aghaderg	J1141	1985	A. Newton & P. Hackney
no specific location given	J15	1985	A. Newton
no specific location given	J45	1985	A. Newton

Potentilla argentea Linnaeus

Hoary Cinquefoil

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Near Threatened**Local: **Extinct**Last seen: **1915**

An introduction usually found on sandy grassland and waste ground. Recorded once only.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J3574	1915	N. Carrothers

Potentilla erecta (Linnaeus) Raeusch ssp. ***strictissima*** (Zimmer) A. J. RichardsEuro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **2**Last seen: **2018**

A rare native perennial found on acidic soils such as heath and moorland. This subspecies was first recorded in 1878, and may be over-looked, but the population appears to be very low and may be vulnerable.

Location	Grid Ref.	Date	Recorder
Ballyagholy	J16862269	06 Aug 2003	G.V. Day
Shankys River at Leitrim Lodge, Mourne Mountains	J22382551	25 Aug 2007	G.V. Day
Lough Shannagh, Mourne Mountains	J2926	23 Jul 2006	G.V. Day
Castlewellan Forest Park	J33253795	28 Jun 2015	G.V. Day
Slievenaboley	J27524319 J27834353	03 Jun 2018	BSBI
Slieve Donard, Mourne Mountains	J35782675	26 Aug 2007	G.V. Day
Chimney Rock Mountain, Mourne Mountains	J3626	13 Aug 2015	G.V. Day
Bloody Bridge west, in an area of burnt gorse	J3827	29 Aug 2001	G.V. Day
Millstone Mountain, Mourne Mountains	J38572701	26 Aug 2007	G.V. Day
Drumkeeragh Forest	J33894614	07 Aug 2003	G.V. Day
Castlereagh in hedge	J3771	1878	T.H. Corry det. A.J. Richards
near Campbell College and Cabin Hill School, Belmont Rd., Belmont	J391745	1913	C.D. Chase det. A.J. Richards
Ballykilbeg Fen	J4440	07 Jun 2017	G.V. Day
Phennick Point, Ardtole	J5637	14 Jul 2017	G.V. Day
Cotton Moss	J5379	1902	R.Ll. Praeger det. A.J. Richards

Dasiphora fruticosa Linnaeus
Shrubby Cinquefoil

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1999**

An attractive perennial that is native to county Clare in Ireland, and is frequently planted in shrubberies. It has almost certainly been planted at the sites in county Down, and is only included here because of its Irish status.

Location	Grid Ref.	Date	Recorder
Dromore	J15W	02 Jul 1988	P. Hackney
Mullaghdrin Hill	J2952	10 Jul 1999	J. Harron
Quoile Pondage	J498489	24 Sep 1991	J. Harron & W.E. Harrison

Geum rivale Linnaeus
Water Avens

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2004**

A scarce attractive native perennial of moist and wet soils in open or wooded areas. It was first found in 1890 at Ballykeel Wood in Holywood, and most records come from the centre and east of the county. Some of the later records may be introductions and escapes. This species appears to have a stable population and is at low risk.

Location	Grid Ref.	Date	Recorder
Kilracken Wood	J08113609	26 Apr 2004	C. Graham
Kilbroney Park	J18371805	15 Apr 2004	C. Graham
Lagan Valley - infant stream upstream from the bridge on the country road	J291468	23 Jun 1988	W.E. Harrison & J. Harron
Slieve Croob	J297461	15 Nov 1971	J. Harron
Lake Wood, Hillsborough Forest	J24555819	09 Apr 2004	C. Graham
Headwater of Moneycarragh River at Crocknafoyle	J318439	Jul 2000	J. Harron
Slieve Croob - ascends to 350m	J323463	13 Jul 1989	W.E. Harrison & J. Harron
Hollymount NNR	J4743	14 Jun 1997	BSBI
Ballykeel Glen, Holywood	J4177	1890-1910	R.Ll. Praeger
	J411774	1967	J. Harron
Crawfordsburn Country Park	J46698201	06 Jun 2004	C. Graham
Finnabrogue (Quoile)	J5048	20 Aug 1966	BSBI
Castleward (National Trust), Strangford Lough	J572494	Aug 1985	A. Farr & R. Boyd
Nugent's Wood - introduction	J5851	25 May 1999	G.V. Day
Ballyhaft Road, Ards Peninsula - garden escape	J5272	Aug 1998	G.V. Day

Agrimonia procera Wallr.
Fragrant Agrimony

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A scarce, tall native perennial plant found beside hedges and woods, on roadsides, quarries and stony ground. It was first recorded before 1888 at Haw Hill and most records come from the east of the county, around Strangford Lough. The population of this plant has greatly declined, perhaps due to disturbance and habitat destruction. This species may decline further as disturbance and tidying up of roadside verges etc. continues, and it appears vulnerable.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh (shoreline)	J079635	08 Aug 1970	J. Harron
Lagan canal south-east of Annaghdroghal, Lough Neagh	J0863	1970	J. Harron
Corbet Lough, 3km east of Banbridge	J186455	02 Sep 1973	J. Harron
Portmore	J38832516	17 Aug 2010	G.V. Day & P. Hackney
	J3825	04 Jul 2013	G.V. Day & P. Hackney
Murlough NNR	J33	pre-1938	R.Ll. Praeger
	J40203422 J40223422 J40273423 J40363399	29 Sep 2012	G.V. Day
	J4033	13 Sep 2014	G.V. Day
	J40123372 J4037633995	10 Sep 2016	I. Rippey
	J39723328	30 Jul 2019	J. Whatmough
	J40303373	25 Jul 2019	J. Whatmough
	J41063476	27 Jun 2019	J. Whatmough
	J41193535	08 Aug 2019	J. Whatmough
Newtownards	J4974	1967	J. Harron
Quoile Pondage NNR	J49734748 J50104772	25 Aug 2012	G.V. Day
roadside near Steamboat Quay, Quoile	J5047	1892	R.Ll. Praeger
	J5047	1986	R.J. Bleakley
Lough Money	J53254544	14 Aug 2010	G.V. Day
Slievenagriggill near Lough Money	J533452	24 Jul 1987	W.E. Harrison & J. Harron
north end of Reagh Island, Strangford Lough	J5264	1902	R.Ll. Praeger
between Newtownards and Ballyblack, Ards Peninsula	J5573	1945-1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon
Granagh Bay NR, Strangford Lough	J6048	1902	R.Ll. Praeger
Ballyfinragh Lough	J6154	1902	R.Ll. Praeger
Haw Hill, Tullykevin	J6069	pre-1888	S.A. Stewart
	J6069	1895	R.Ll. Praeger

Sanguisorba officinalis Linnaeus
Great Burnet

Euro.: **not listed**

Ir.: **FPO; RDB Vulnerable**

Local: 1

N.I. Species of Conservation Concern March 2004

N.I. Priority Species 2023

N.I.: **WO**

Brit.: **RDB Least Concern**

Last seen: **2004**

A rare native perennial of open pasture. It was first recorded before 1863 and from Donaghadee, where it grew in pastures until after 1878. It seems that after the species was lost from the pastureland, it persisted along the railway line, where it was recorded from 1893. A small number of plants grew on a short stretch of bank beside a footpath, previously the railway line, close to a housing development. The population of this plant is endangered and it may be extinct as despite searching it has not been seen since 2004.

Location	Grid Ref.	Date	Recorder
Hunt's Park, Donaghadee	J590788	1893	J.H. Davies
	J590788	1908	W.J.C. Tomlinson & S. Wear
	J590788	1938	J.C. McCarol
	J591789	1967	J. Harron
	J591789	1985	P. Hackney
	J592790	03 Aug 2000	G.V. Day
	J592790	05 Jun 2001	G.V. Day
	J592790	17 Sep 2001	G.V. Day
	J592790	2002	G.V. Day
pastures at Donaghadee	J5979	pre-1863	Miss Maffett
The Commons, Donaghadee - ditch in field inland side of road to Millisle (1878)	J5979	1878	T.H. Corry & J. Beatty
	J592790	11 Sep 2004	G.V. Day

Poterium sanguisorba ssp. balearicum (Bourg. ex Nyman) Stace

Fodder Burnet

Euro.: **not listed**N.I.: **not listed**Ir.: **FPO; RDB Vulnerable**Brit.: **RDB Least Concern**Local: **3**Last seen: **1985**

There are only two locations of this introduction, used as a component in seed mixtures, in Down. The species, *Sangisorba minor*, has been more frequently recorded, but unfortunately in these cases, the subspecies was not determined. However, most of these records are presumably referable to ssp. *balearicum*. The status of this species is likely to be secure, as it will probably continue to be introduced.

Location	Grid Ref.	Date	Recorder
Mount Stewart estate	J56236941	07 Jun 2021	G.V. Day & J.D. Nunn
Corrog Wood, Portaferry	J6053	01 Jul 2007	G.V. Day & J.D. Nunn
		06 May 2020	G.V. Day & J.D. Nunn

Poterium sanguisorba ssp. sanguisorba Linnaeus

Salad Burnet

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **Extinct**Last seen: **1985**

There is only one record of this introduction, which is native to the Irish midlands, in Down. *Sangisorba minor* has been occasionally recorded, but unfortunately workers did not identify the subspecies concerned. However, presumably most of these records are referable to ssp. *balearicum*, Fodder Burnet. Also unfortunately, the record lacks important details. This taxon is probably extinct in Down.

Location	Grid Ref.	Date	Recorder
Belfast	J37	21 May 1985	Unknown

Aphanes australis Rydb.

Slender Parsley-piert

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **Uncategorised**Last seen: **2022**

A scarce small native annual which occurs on acidic soils and is found in a variety of habitats including forestry tracks and roadside verges. The earliest records are based on vouchers collected in 1860 and 1897, but not identified until the early 1960s. The species was not generally recognised by local field botanists as being distinct from the similar *Aphanes arvensis* until the 1960s, so although the bulk of the records date from 1976 onwards, this apparent recent increase in abundance is probably false. The population of this species is at low risk. This species has been removed from the Register, as it has now been found in more sites such that it exceeds the criteria for inclusion.

Rosa agrestis Savi
Small-leaved Sweet-briar

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1993**

A very rare native rose found in hedges and scrub. More work is needed to establish the status of this plant in county Down.

Location	Grid Ref.	Date	Recorder
Burren – <i>searched for, not refound.</i>	J100248	20 Jul 1993	D. Doogue & M. Dowlen det A.L. Primavesi

Rosa arvensis Huds.
Field-rose

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2013**

A scarce native rose that may be found in open situations and low hedgerows. The roses are a critical genus, and many of these records have not been verified. More work is needed to establish the current distribution of *Rosa arvensis*.

Location	Grid Ref.	Date	Recorder
Mullabrack Fen	J066467	10 Jul 2003	I. McNeill
Lisnagade Rath	J0844	1915	S.A. Bennett
River Bann: un-named tributary at Newmills	J0651	01 Jun 2013	J. Harron
Moygannon Td, Carlingford Lough	J11	27 Apr 1989	J. Harron
Newry River at Narrow Water Castle	J1219	15 Apr 2007	G.V. Day
Narrow Water Td, SE of Newry	J129196	03 Mar 1989	J. Harron
Ballynabraggat, Boggle Hill nr	J15A	02 Jul 1988	P. Hackney
Dromore	J2053	1878	T.H. Corry
Bloody Bridge River at Bloody Bridge	J3827	1916	S.A. Bennett
Tannaghmore Reservoir	J3945	18 Jul 2002	G.V. Day & P. Hackney
Belfast, nr	J37	16 Aug 1837	J. Ball det A.L. Primavesi
Loughinisland Lake, Annadorn	J4244	1888	R.Ll. Praeger
Annacloy	J4448	1988	P. Hackney
	J448479	20 Sep 1991	J. Harron
Ballykilbeg House	J454406	12 Apr 2004	E. Jackson
Kennel Wood, Hollymount	J459440	14 May 2005	H. Adams
Saintfield	J4059	1895	C.H. Waddell
Carnacally woodland	J432512	14 Apr 2004	E. Jackson
Ballynahinch River at Rademon Bridge	J4351	1895	C.H. Waddell
Kilmore Td at Crossgar	J4450	1988	P. Hackney
Kilmore	J4451	1894	C.H. Waddell
Clandeboyne	J47	1878	T.H. Corry
Dundonald	J47	1997	A. Hill
Island Rd 2.5 km S of Killyleagh	J5050	08 Jul 1988	P. Hackney
Killyleagh	J517527	08 Jul 1988	P. Hackney

***Rosa caesia* Sm.**
Northern Dog-rose

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1955**

A rare native rose found in hedges and scrub. Waddell remarked '*it is strange that coriifolia so widely spread in Scotland seems to be rare in NE Ireland*' (Wear 1923). Searches at several localities have not re-found this species, and there are no voucher specimens held at the National Museums Northern Ireland. More work is needed to establish the status of this plant in county Down.

Location	Grid Ref.	Date	Recorder
hedge west of Clondeboyne	J47	1955	J. Heslop- Harrison
Greyabbey	J56	02 Sep 1915	C.H. Waddell det. A.L. Primavesi
Ballymagee near Bangor	J5280	1919	A.W. Stelfox

***Rosa corymbifera* Borkh.**
Hairy Dog-rose

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2007**

Recently raised to species from *R. canina* Group *Pubescentes*, more work is required to establish the status of this taxon in county Down.

Location	Grid Ref.	Date	Recorder
Scarva, glen east of	J04	15 Jul 1901	W.H. Lett
Near Burren	J120224	03 Sep 2006	G.V. Day conf. R. Maskew
Lagan Meadows, Belfast	J341706	25 Sep 2005	G.V. Day conf. R. Maskew
Farranfadh Clough	J427427	20 Aug 2006	G.V. Day conf. R. Maskew
Whitespots Country Park	J49297630	23 Sep 2007	G.V. Day conf. R. Maskew
Ardmillan	J500644	22 Aug 2005	G.V. Day conf. R. Maskew
Sketrick Island, Strangford Lough	J52736274	23 Sep 2021	G.V. Day
Greyabbey	J56	03 Sep 1914 08 Sep 1914 02 Sep 1915	C.H. Waddell det. A.L. Primavesi

***Rosa* x *hibernica* Templeton (*R. spinosissima* x *R. canina*)**

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2007**

This hybrid has two distinct forms depending on which species is the female parent. The first form to be found had *R. canina* as the female parent, and was present at Tillysburn until 1954, after which it was dug up and transferred to the Queen's University experimental gardens in Derryvolgie Avenue, Belfast. It was removed from Derryvolgie Avenue to the Botanic Gardens adjacent to the Ulster Museum in 1989, where it has persisted. A similar cross from Murlough was confirmed in 2005. Subsequently the hybrid was recorded Ballykinler, Killard and Greencastle. The hybrid plant from Saul is the reverse cross, a product of a *Rosa spinosissima* female parent.

Location	Grid Ref.	Date	Recorder
Greencastle, Carlingford Lough	J24941162	30 Aug 2010	G.V. Day
Botanic Gardens adjacent to Ulster Museum	J3372	1989-2006	P. Hackney
	J3372	Jul 2007	G.V. Day
Annadale - ¼ mile below Stranmillis on east bank of Lagan - gone by 1888	J3471	1795	J. Templeton
Tillysburn, Sydenham - left hedge going to Hollywood	J3877	1795	J. Templeton
	J3877	04 Jun 1807	J. Templeton
	J3877	1886-1937	R.Ll. Praeger
	J3877	1954	J. Heslop-Harrison
Murlough NNR	J3933	11 May 2014	G.V. Day
Murlough NNR	J40653436	22 Aug 2008 & 05 Apr 2009	G.V. Day conf. R. Maskew
Ballykinler coast	J41303616	24 Apr 2014	G.V. Day
Ballykinler MoD	J42543560	03 Jul 2015	G.V. Day
Murlough House	J41293532	04 Jul 2015	G.V. Day
	J41313558		
Saul	J51884666	25 Sep 2005 & 20 Aug 2006	G.V. Day conf. R. Maskew
Killard NNR, Strangford Lough	J60044386	04 Jun 2012 & 25 May 2014	G.V. Day

***Rosa mollis* Sm.**
Soft Downy-rose

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2002**

According to Hackney (1992) this taxon is '*Frequent, especially on the basalt*' [Down, Antrim, Londonderry], but there is only one site for Down. More work is needed to establish the status of this plant in county Down.

Location	Grid Ref.	Date	Recorder
Bann Rd, Lough Shark	J06924070	12 Aug 2002	G.V. Day
Loughbrickland area	J1042	1895	W.H. Lett
Cranfield Point, Carlingford Lough	J2710	08 Sep 2001	G.V. Day

***Rosa multiflora* Thunb.**
Many-flowered Rose

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2013**

A garden escape found naturalised in hedges.

Location	Grid Ref.	Date	Recorder
Delamont Country Park	J5150	19 Jun 2010	G.V. Day & M. Marshall
Ringhaddy, Strangford Lough	J5358	22 Sep 2013	G.V. Day
Lough Cowey, Ards Peninsula	J5954	07 Aug 2001	G.V. Day

***Rosa squarrosa* (A. Rau) Boreau**
Glandular Dog-rose

Euro.: **not listed**
Ir.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2006**

A scarce native shrub that is found in a wide range of habitats including hedges and scrub. Taxonomic changes have raised this taxon, previously considered to be a form of *R. canina*, to species status. It is probably under-recorded and more work is needed to establish its frequency in the county.

Location	Grid Ref.	Date	Recorder
Burren	J131219	03 Sep 2006	G.V. Day det R. Maskew
Saintfield	J45	28 Jul 1911	A.W. Stelfox & C.H. Waddell det. A.L. Primavesi
Lough Cowey, Portaferry	J594541	18 Sep 2005	G.V. Day det. R. Maskew
Greyabbey	J56	03 Sep 1914	C.H. Waddell det. A.L. Primavesi
Ballymagee	J58	1919	A.W. Stelfox det. A.L. Primavesi
Ballyholme	J58	1919	A.W. Stelfox det. A.L. Primavesi

Rosa tomentosa Smith
Harsh Downy-rose

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2016**

This probably does not occur in north-east Ireland, with records referring to either *Rosa mollis* or *R. sherardii* or their hybrids. Further work is required to establish the status of this species in Northern Ireland.

Location	Grid Ref.	Date	Recorder
Ballylesson	J36	26 Jun 1881	S.A. Stewart
Saintfield	J45	13 Aug 1909	C.H. Waddell
Aughnadarragh	J45	03 Aug 1895	C.H. Waddell
Mount Stewart	J56	27 Aug 1915	C.H. Waddell
Ballymagee	J58	pre 1994	Unknown
Ballyholme	J58	pre 1994	Unknown

Rosa vosagiaca (NH.F. Desp.) Desegl.
Glaucous Dog-rose

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A scarce native shrub that is found in a wide range of habitats including hedges and scrub. The roses are a critical genus and many of these records have not been verified. Tracking changes in this taxon is very difficult, if not impossible, because of developments in the understanding of the taxonomy of dog roses, the lack of appreciation of earlier botanists that some taxa are hybrids, and changes in nomenclature. Indeed, this taxon has only recently undergone a name change to *R. vosagiaca*. Add a lack of critical interest in roses by the botanists who worked the county between c. 1920 and 1970, and who lumped *R. caesia*, *R. canina* and their hybrid (*R. x dumalis*) into a *R. canina* aggregate. Even now, *R. vosagiaca* is probably under-recorded. It is probably not rare in the county, although its hybrid with *R. canina sensu stricto* (*R. x dumalis*) is probably much commoner. Waddell frequently recorded the hybrid *R. x dumalis* at the same sites at the same times as *R. caesia*. There are further complications, because up until fairly recently the name *R. dumalis* was used as a synonym of *R. caesia*. The earliest records of *R. caesia* (under the names *R. afzeliana* or *R. glauca*) date from 1894-96. These records have not been entered into the CEDaR database, but seem to be included in the *New Atlas of the British & Irish Flora* (Preston *et al.* 2002). The editors omitted more recent records from the Atlas, as specimens had not been confirmed by them.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh	J0862	08 Aug 2001	G.V. Day, P. Hackney & J.W.D. Semple
Ballydown at Banbridge	J1444	29 Jul 1998	P. Hackney
Glasdrumman	J37952229	22 Jun 2021	G.V. Day & J.D. Nunn

Location	Grid Ref.	Date	Recorder
Montgomery's Lough	J383538	27 May 1999	P. Hackney
Aughnadarragh	J45	Aug 1894	C.H. Waddell
Saintfield Vicarage	J45	Aug 1895	C. H Waddell
Saintfield demesne	J45	Aug 1896	C.H. Waddell
Saintfield north of railway station	J45	03 Sep 1906	C.H. Waddell det. A.L. Primavesi
Saintfield	J45	28 Jul 1911	C.H. Waddell det. A.L. Primavesi
Islandhill (Rough Island), Strangford Lough	J495688	23 Sep 2003	G.V. Day conf. R. Maskew
	J49546884	22 Aug 2005 & 04 Aug 2010	G.V. Day
Comber	J495688	22 Aug 2005	G.V. Day conf. R. Maskew
Old Dundonald-Comber railway line south of Millmount	J4372	10 Jul 1997	P. Hackney
Dundonald-Comber railway line south of Millmount	J4372	10 Jul 1997	P. Hackney
Delamont Country Park	J51164991	19 Jun 2010	G.V. Day
Castle Island, Quoile	J517486	14 Aug 1998	P. Hackney
Tullynakill, 3.5km north of Killinchy	J5064	23 Jun 1997	P. Hackney
Nendrum, Mahee Island, Strangford Lough	J524636	09 May 1997	P. Hackney

RHAMNACEAE

Rhamnus cathartica Linnaeus
Buckthorn

Euro.: **not listed**
Ir.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2015**

A rare native small deciduous tree that is found on base-rich and sometimes damp soils. It was first recorded at Ellis's Gut before 1922 and was still there in 1970, but has not been refound despite searching. It is probably an introduction at Stormont. The county population of this species has declined, and this species is endangered or extinct in natural situations.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh <i>Stelfox 1923</i>	J0862	pre-1879	D. Moore
	J0862	1922	A.W. Stelfox
Ellis's Gut, Lough Neagh - about 10 bushes c. 400m north of canal entrance, one of them 7m high	J0862	1937	R.Ll. Praeger
Ellis's Gut, Lough Neagh - gone since c. 1997	J0862	1970	J. Harron
Stormont Estate	J39827513	25 May 2015	M. Wright
Murlough NNR	J4034	04 Jul 2015	S. Thompson
Stormont Parliament Building Grounds	J401747	02 Jul 2000	S.A. Wolfe-Murphy
Barn Bay, Ards Peninsula	J62617226	25 Apr 2004	G.V. Day

Frangula alnus Mill.
Alder Buckthorn

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2010**

A rare native small deciduous tree, which has occurred in scrub beside lough-shores and at a cut over peat bog. This species is endangered and may be extinct in natural situations in the county.

Location	Grid Ref.	Date	Recorder
Edenderry House Gardens	J32426725	08 Apr 2004	C. Graham
Bow Lough	J3557	pre-1825	J. Templeton
Creevytenant	J3755	pre-1825	J. Templeton
Stormont Estate, Belfast	J3974	02 Jul 2010	M. Wright
bog near Ballygowan bridge - extinct	J4163	pre-1825	J. Templeton
Drumawhy Bog, near Newtownards - one bush on roadside bank	J547758	1989	I. Rippey
Mount Stewart Lake, Ards Peninsula	J552700	1914	C.H. Waddell

NOTHOFAGACEAE

Nothofagus alpina (Poepp. & Endl.) Oerst. Euro.: **not listed**
 Rauli Ir.: **not listed**
 Local: **3**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2022**

An introduced tree first recorded at Ballydyan Cutting and most recently seen at Tollymore Forest Park where it appears to be self-sowing. This species is not at risk.

Location	Grid Ref.	Date	Recorder
Castlewellan Forest Park	J336366	11 Sep 2002	D.T. Holyoak
	J334368	12 Apr 2005	H. Adams
	J338376		
Tollymore Forest Park	J3432	09 Jun 2022	G.V. Day & V. Macartney
Ballydyan Cutting NR	J418545	1996	Ulster Wildlife
Rademon Estate	J431518	15 Apr 2005	R. Ellis, H. Adams & E. Jackson

Nothofagus obliqua (Mirb.) Blume
 Roble

Euro.: **not listed**
 Ir.: **not listed**
 Local: **3**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2004**

An introduced tree first recorded at Tievenadarragh Wood and most recently in 2004, when it was found at several sites. This species is probably not at risk.

Location	Grid Ref.	Date	Recorder
Castlewellan Forest Park	J336366	11 Sep 2002	D.T. Holyoak
Tollymore Forest Park	J339325	11 Sep 2002	D.T. Holyoak
Spa Golf Course, Ballynahinch	J35775167	04 Jun 2004	C. Graham & R. Birch
Tievenadarragh Wood	J4046	15 May 1998	P. Hackney
Rademon Estate	J43485203	14 Jun 2004	R. Birch
	J44205213	02 Jun 2004	R. Birch
Clandeboyne Estate	J47787972	03 Jun 2004	C. Graham & R. Birch

CUCURBITACEAE

Bryonia dioica Jacq.
White Bryony

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2011**

An introduced dioecious perennial that was present at Sydenham station for possibly about 60 years and present as a garden discard at Slane's Point. It has not been seen recently at these well frequented locations, and may be extinct in the county.

Location	Grid Ref.	Date	Recorder
Moirá Demesne	J16	1991-07-20	S. Beesley & M. Beesley
Belfast	J3774	1979-08-18	S. Beesley
Sydenham Station	J373751	1980	Unknown
	J373751	1987	T. Black, R. Piper & P. Hackney
Slane's Point, Cloughey Bay, Ards Peninsula	J638557	1996-08	G.V. Day
	J640557	1999-06-28	G.V. Day
	J6355	2000-05-21	G.V. Day
	J63925573	2005-09-25	G.V. Day
Cloughey Bay, Ards Peninsula	J6356	2011-09-11	R.S. Weyl

PARNASSIACEAE

Parnassia palustris Linnaeus
Grass-of-Parnassus

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1991**

A rare attractive perennial weak calcicole of marshy areas. It has only been recorded from one site in the county, the first time in 1987. Despite repeat visits after 1991, the species has not been refound. The species is probably extinct in Down.

Location	Grid Ref.	Date	Recorder
Aughnadarragh Lough	J45	1987	R.J. Bleakley
	J442592	17 Jul 1991	Habitat Survey Team, EHS

OXALIDACEAE

Oxalis incarnata Linnaeus
Pale Pink-sorrel

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2022**

A neophyte garden ornamental that readily becomes established in rough ground. It is likely to be more common than the few records below indicate.

Location	Grid Ref.	Date	Recorder
Newcastle	J37513053	29 Jun 2015	I. McNeill
Cloghy	J6457	27 May 2022	G.V. Day
Ballywalter	J6269	16 May 2021	G.V. Day

HYPERICACEAE

Hypericum hirsutum Linnaeus

Hairy St John's-wort

Euro.: **not listed**Ir.: **FPO; RDB Vulnerable**Local: **Extinct**N.I.: **WO**Brit.: **RDB Least Concern**Last seen: **1864**

A native perennial recorded once by the Lagan Canal, and now extinct in Down.

Location	Grid Ref.	Date	Recorder
Lagan Canal	J37	23 Jul 1864	J. Darragh

ELATINACEAE

Elatine hexandra (Lapierre) DC.

Six-stamened Waterwort

Euro.: **Least Concern**Ir.: **RDB Near Threatened**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1999****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

This scarce native species was first recorded in 1808. It is found growing on mud on lough-shores and in shallow water. It has only been recorded at four named sites since 1950, and the Belfast Naturalists' Field Club recorded it in many small loughs about Ballynahinch and Castlewellan during the period 1949-1956. However, it was not refound during the N.I. Lake Survey in the late 1980s and early 1990s, and is no longer present at some of the earliest recorded stations. This species appears to have greatly declined, perhaps because of trampling by cattle and fishermen. This species appears to be vulnerable to further losses.

Location	Grid Ref.	Date	Recorder
Lough Brickland	J1141	1895	H.W. Lett
	J1141	1935-1937	R.Ll. Praeger
Lough Aghery, 3.5km north of Dromara	J2953	25 Jun 1887	S.A. Stewart
west end Castlewellan Lake, Castlewellan Forest Park	J3136	1808	J. Templeton
	J3236	Jul 1851	W. Thompson
many small loughs about Ballynahinch and Castlewellan	J32, J33, J34, J35, J36	1949-1956	BNFC
Ballywillwill Lough	J360403	Jun 1956	M.P.H. Kertland
	J360403	25 Jun 1992	W.E. Harrison & J. Harron
McAuley's Lough	J3648	28 Jul 1939	E.N. Carrothers
	J3648	1955	J.S. Pate & B.E.S. Gunning
Lough Erne	J3256	1939	E.N. Carrothers
Lough Henney	J346583	02 Sep 1982	J. Harron
	J3558	1937	W.J. Sayers
	J3558	1954	B.E.S. Gunning & J.S. Pate
Lough Henney: eastern shore in shallow water	J350583	02 Aug 1999	J. Harron
Loughinisland Lake	J4245	19 Jun 1887	S.A. Stewart
Carrickmannan Lough	J4460	21 Sep 1911	S. Wear

Elatine hydropiper Linnaeus
Eight-stamened Waterwort

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2013**

N.I. Species of Conservation Concern March 2004

A scarce annual native found growing on exposed wet soft sediment or in shallow water at the edge of loughs and in canals. It was first recorded in 1836 in the canal at Newry. The current condition of the canal renders it unlikely that *Elatine hydropiper* could have survived in it except perhaps in Newry and at Ellis's Gut. In the late 1980s, the N.I. Lake Survey indicated that populations in the loughs appeared to be stable. This species could be vulnerable to further losses as is *E. hexandra* e.g. through trampling.

Location	Grid Ref.	Date	Recorder
canal at Newry	J0826	1836	W. Thompson
Lough Shark	J0641	1934	R.Ll. Praeger
	J0641	1935	R.Ll. Praeger
	J065410	20 Jul 1989	P. Hackney
	J065415	18 Jun 1990	N.I. Lake Survey
Ellis's Gut, Lough Neagh – a little north of canal	J0862	unknown	D. Moore
	J0862	1945	E.N. Carrothers
	J0862	1969	J. Harron
	J081627	20 Sep 1971	J. Harron
	J0762	1982	R. Davidson
	J0762	1986	J. Harron
Annaghdroghal, Lough Neagh	J083629	18 Aug 1997	J. Harron
	J080631	21 Aug 2013	J. Harron & I. McNeill
Annaghdroghal Bridge, Lagan Canal	J088630	1837	D. Moore
Lough Brickland	J1141	1890, 1893, 1894	H.W. Lett
	J1141	1935	R.Ll. Praeger
	J1141	27 Jul 1989	P. Hackney
	J111411	03 Aug 1989	N.I. Lake Survey
	J112413	04 Aug 1989	J. Harron
Lagan Canal at Hilden <i>Wear 1923</i>	J2865	Sep 1898	J.H. Davies
	J282656	1945	E.N. Carrothers
Loughinisland Lake	J425452	01 Aug 1989	N.I. Lake Survey

VIOLACEAE

Viola x bavarica Schrank (*V. reichenbachiana* x *V. riviniana*)

Euro.: **not listed**
Ir.: **not listed**
Local: **DD**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2018**

A sterile hybrid showing characters that are intermediate between the parents. It may be under-recorded, as it may be mistaken for *V. reichenbachiana*.

Location	Grid Ref.	Date	Recorder
Dromantine	J08313609	21 May 2017	G.V. Day
River Bann: un-named tributary at Newmills	J0651	01 Jun 2013	J. Harron
Annaghdroghal	J0863	1945-1946	R.D. Meikle, E.N. Carrothers & J.M. Moon
Granite Trail, Donard Forest	J3729	13 May 2018	G.V. Day, V. Macartney, L. Crawshaw
Magheratimpany Td	J38954805	27 Apr 2008	G.V. Day
Magheraknock Fort	J334558	08 Jun 2003	J. Harron

Location	Grid Ref.	Date	Recorder
Terrace Hill, Minnowburn	J323685	2000	G.V. Day
	J32366852	06 Apr 2008	G.V. Day
Belvoir Park Forest	J33716960	20 Apr 2008	G.V. Day
Ballintogher Td	J521486	04 May 2018	G.V. Day

Viola canina Linnaeus

Heath Dog-violet

Euro.: **not listed**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2021**

A perennial found on heaths and dunes. It has been found in the south east of the county and is probably declining.

Location	Grid Ref.	Date	Recorder
Lough Island Reavy	J291346	02 Aug 1989	J. Harron
Bryansford	J3433	1989	J. Harron
Newcastle Bay	J3730	1894	C.H. Waddell
Murlough NNR	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
	J392331, J393333, J393334, J395340, J412357	May 1991	E. Porter & I. Crawford
	J39493368	30 Jul 2019	J. Whatmough
	J39603406 J4033	25 Jul 2019	J. Whatmough
	J39823344	24 Apr 2011	R. Field
	J401337	01 May 2019	P. McErlean
	J4034	04 Jul 2015	H. Devlin
	J4035	31 Jul 2019	J. Whatmough
	J40843493 J41113438	10 Jun 2018	G.V. Day & Irish Field Club Union
	J40943479	22 Jul 2019	J. Whatmough
	J4134 J4234	22 Jun 2008	R.M. Walls
	J4135	21 May 1992	M. Flatt
	J4135	16 Jul 2018	J. Whatmough
	J43	06 Jun 1996	J. Harron & W.E. Harrison
	J4336	03 Jul 2015	R. Weyl
River Lagan at Shaw's Bridge	J325689	1894	S.A. Stewart
Ballykinler MoD	J4235	1879	S.A. Stewart
Ballykinler Village	J4336	03 Jul 2015	R. Weyl
Tievenadarragh Wood	J40224641	23 May 2004	R. Birch
Tyrella Area (unlocalised)	J471361	1992-06-04	J. Harron & W.E. Harrison
Seaforde Estate	J40564391 J40594279 J40594279	20 May 2004	R. Birch
Portalabar, St. John's Point	J532338	1970-05-09	J. Harron
St. Patrick's Well	J537385	04 Jul 1991	J. Harron & W.E. Harrison
Ringfad Point	J555357	15 May 1970	J. Harron
The Downs, Ringfad Td	J562367	15 May 1970	J. Harron

Location	Grid Ref.	Date	Recorder
Greyabbey Area (unlocalised)	J56	1971	J. Harron
Templepatrick Td, 1.5km N of Millisle	J593777	18 Jun 1991	J. Harron
Killard NNR	J6043	22 Apr 1992	R. Anderson
	J6043	15 Jun 2021	G.V. Day & J.D. Nunn
	J6044	16 Jul 2018	R.S. Weyl & R.J. Bleakley
	J60464376	07 May 2017	G.V. Day & J.D. Nunn
Benderg Bay	J606432	06 Jun 1991	J. Harron & W.E. Harrison

Viola hirta Linnaeus

Hairy Violet

Euro.: **not listed**Ir.: **FPO; RDB Vulnerable**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1902**

A perennial usually found on calcareous pastures and open scrub. It has been recorded once as a garden escape and is extinct.

Location	Grid Ref.	Date	Recorder
Mount Panther	J404385	1902	C. H. Waddell

Viola tricolor Linnaeus ssp. *tricolor*

Wild Pansy

Euro.: **not listed**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **Near****Threatened**Last seen: **2013**

A rare attractive native annual of grazed, cultivated and waste ground. It was first recorded in 1871, and there are very few further records. County populations of this species are very small and may be endangered by development, use of herbicides, and tidying of waste-land.

Location	Grid Ref.	Date	Recorder
Cloghanramer, 1.5km north of Newry - rocky ground	J095295	19 Jun 1992	J. Harron
Aghnamoira	J1221	1988	P. Hackney & C. Tyrie
Derryleckagh Wood	J122251 J124252	19 Jul 2013	I. McNeill & K. Johnston
Slievenaoley Mountain and Windy Gap	J2744	23 Aug 2002	G.V. Day
Shimna River at Tipperary Wood	J367317	07 May 1990	R. Anderson
Tyrella	J4736	22 Jun 2002	G.V. Day
Wallace Hill, Quoile	J4851	10 Aug 2002	G.V. Day
Dundonald	J47	1871	H. Robinson

SALICACEAE***Salix* x *fruticosa*** Doell (*S. viminalis* x *S. aurita*)

Shrubby Osier

Euro.: **not listed**Ir.: **not listed**Local: **2**N.I.: **not listed**Brit.: **not listed**Last seen: **2003**

A hybrid shrub or small tree that occurs naturally, and has been cultivated in osier beds.

Location	Grid Ref.	Date	Recorder
Cranberry Moss	J15374984	20 Aug 2002	G.V. Day
Tillysburn, Sydenham	J385773	21 Aug 1999	S.A. Wolfe-Murphy
Island Hill, Strangford Lough	J49566880	23 Sep 2003	G.V. Day
Lough Cowey, Ards Peninsula	J5954	07 Aug 2001	G.V. Day
Tullycross fen	J616568	27 Aug 2003	G.V. Day
Ballyesborough, Ards Peninsula	J642620	1989	D.H. Riley det. R.D. Meikle
Ganaway, Ards Peninsula	J609715	1989	D.H. Riley det. R.D. Meikle

***Salix herbacea* Linnaeus**

Dwarf Willow

Euro.: **not listed**Ir.: **RDB, Near Threatened**Local: **2****N.I. Priority Species 2023**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2014**

A scarce native dwarf shrub frequent on the highest of the Mourne mountains where it grows in open exposed areas (mainly the summits). It was first recorded some time before 1804 from three sites in the Mourne, and still appears to be widespread. However, it has not been recently recorded from some of the sites where it was previously present, and has probably declined. The population of this species appears to be at some risk due to fires and climate change.

Location	Grid Ref.	Date	Recorder
Scallarea [Scallaree], Mourne Mountains; name cannot be located on maps	unknown	pre-1804	John White in <i>Wade 1804</i>
Shanlieve, Mourne Mountains	J242226	18 Oct 1992	J. Harron
Slieve Maganmore [=Slieve Moughanmore?]	J2424?	pre-1890	S.A. Stewart & R.Ll. Praeger
Slieve Muck	c. J2825	1969	M. P. H. Kertland & D.S. Lambert
Slieve Lough Shannagh, Mourne Mountains	J2927	pre-1890	S.A. Stewart & R.Ll. Praeger
Slievemeel Beg, Mourne Mountains	J3027	pre-1890	S.A. Stewart & R.Ll. Praeger
	J301279	2008	D. McNeill
West of Bencrom, Mourne Mountains	J3126	pre-1804	John White in <i>Wade 1804</i>
Slieve Bearnagh, Mourne Mountains	J3128	c.1882	C. Dickson
	J3128	1890	R.Ll. Praeger
	J3128	14 Jun 2008	D. McNeill
Slieve Binnian, Mourne Mountains	J3223	1808	J. Templeton
	J3223	1825	G. C. Hyndman
	J3223	1869	S.A. Stewart
	J3223	1930	E. N. Carrothers
	J32032369	05 Jun 2001	M. Wright
	J31852390	07 Oct 2008	G.V. Day
	J31882383	07 Oct 2008	G.V. Day
	J31892384	01 Oct 2003	Habitat Survey Team, EHS
Slievenaglogh [Diamond Mountain], Mourne Mountains	J3229	1808	J. Templeton
Diamond Rocks, Mourne Mountains - summit	J3229	Sep 1836	W. Thompson
Rocks over source of Spinkwee River, Mourne Mountains	c. J3329	pre-1890	S.A. Stewart & R.Ll. Praeger
Cove Mountain, Mourne Mountains	J33552711	07 Aug 2014	G.V. Day

Location	Grid Ref.	Date	Recorder
Slieve Commedagh, Mourne Mountains	J3427	pre-1890	S.A. Stewart & R.Ll. Praeger
	J3428	c. 1882	H. C. Hart
	J3428	1895	C. H. Waddell
	J3428	31 Aug 2013	D. McNeill
	J344286	24 Mar 1957	A.W. Stelfox, A. Farrington & M.E.S. Morrison
	J359282	10 Sep 1982	J. Harron
	J346286	22 Jun 1990	C. Wilson & C. Byrne
	J343285	25 Jun 1990	C. Wilson & C. Byrne
	J343284	25 Jul 1990	C. Wilson & C. Byrne
	J345286	13 Oct 1994	Habitat Survey Team, EHS
	J346287	13 Oct 1994	Habitat Survey Team, EHS
Slieve Donard, Mourne Mountains	J3527	1808	J. Templeton
	J3527	Jun 1838	W. Thompson
	J3527	1908	N. Carrothers
	J3527	1917 or 1918	S. A. Bennett & BNFC
	J3527	1968	W. J. Harron
	J354276	13 Oct 1994	Habitat Survey Team, EHS
	J356277	13 Oct 1994	Habitat Survey Team, EHS
	J356278	13 Oct 1994	Habitat Survey Team, EHS
	J358277	1992	J.A. Lister, M. Flatt & P. Jackson
	J358277	13 Oct 1994	Habitat Survey Team, EHS
	J358278	13 Oct 1994	Habitat Survey Team, EHS
	J35512766	15 Sep 2002	D. Mitchel
	J35802774	15 Sep 2002	D. Mitchel
	J35802771	20 Sep 2008	G.V. Day
	J35932791	20 Sep 2008	G.V. Day
	J35942797	20 Sep 2008	G.V. Day
	J35952803	20 Sep 2008	G.V. Day
	J35962809	20 Sep 2008	G.V. Day
	J35972787	20 Sep 2008	G.V. Day
	J35942622	13 Aug 2013	G.V. Day
above the Bloody Bridge River	J35942622	13 Aug 2013	G.V. Day
Eagle Rock, Slieve Donard at 1700 ft	c. J3528	pre-1890	S.A. Stewart & R.Ll. Praeger
Slievenamaddy, Mourne Mountains	J3529	pre-1804	John White in <i>Wade 1804</i>
	J3529	02 Jul 1992	P. Jackson & M. Flatt
Chimney Rock Mountain, Mourne Mountains	J3625	pre-1890	S.A. Stewart & R.Ll. Praeger
	J360260	17 Sep 2003	Habitat Survey Team, NIEA

Salix x mollissima Hoffm. ex Elwert (*S. triandra* x *S. viminalis*)

Sharp-stipuled Willow

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **3**Last seen: **1989**

An archaeophyte shrub that is usually found growing in damp places. It is likely to be an introduction as this plant is often planted in osier beds for basket-making.

Location	Grid Ref.	Date	Recorder
Lisgonnell	J107395	1989	D.H. Riley
Banbridge	J122444	1989	D.H. Riley
Millisle	J5976	14 Jul 2017	G.V. Day
Light House (John's) Island, Copelands	J5985	12 Jun 2016	G.V. Day

Salix myrsinifolia Salisb.

Dark-leaved Willow

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **1**Last seen: **2002****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A rare shrub, native in upland areas of Ireland, but perhaps an introduction at its county Down sites. The county Down plants show some signs of hybridization with other species. This population is probably vulnerable.

Location	Grid Ref.	Date	Recorder
Rocky River - close to water catchment 'culvert' at c. 200m, one tiny bush	J243265	23 Sep 2002	J. Harron
Bells Brae Fen	J502574	16 Oct 1986	J. Harron det. R.D. Meikle
	J502574	02 Oct 1987	J. Harron
	J502574	1990	J. Harron

Salix x rubra Hudson (*S. purpurea* x *S. viminalis*)

Green-leaved Willow

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **2**Last seen: **2006**

A hybrid shrub or small tree that occurs naturally, and has been cultivated in osier beds.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh	J08969631	13 Aug 2002	G.V. Day
Annaclone, Ardrin	J178404	1989	D.H. Riley
Ballylough Lake	J3637	05 Aug 2006	G.V. Day
Ballystockart	J430698	1986	J. Harron
Mill dam at Comber, Killinchy Road	J451687	1986	J. Harron
Stormont Parliament Building grounds	J401747	02 Jul 2000	S.A. Wolfe-Murphy
Broad Meadow Lane, Killyleagh	J52325375	22 Aug 2003	G.V. Day
Greyabbey Lough, Ards Peninsula	J5867	1989	D.H. Riley
Glastry Clay Pits, Ards Peninsula	J6363	31 Aug 2002	G.V. Day

EUPHORBIACEAE

Mercurialis perennis Linnaeus

Dog's Mercury

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2010**

A possibly native perennial that has occurred in demesne woods and scrub in glens and is probably also planted. Most records come from the south-west of the county and it appears to have persisted in the Scarva area from before 1895 to 2003. This species has declined, but is still present at estates where it is probably at low risk.

Location	Grid Ref.	Date	Recorder
close to Scarva House, Dane's Cast, south-east of Scarva - in quantity	J070428	pre-1895	H.W. Lett
Edenderry	J077429	27 Apr 2003	J. Harron
Edenderry Wood	J078427	01 May 1991	Habitat Survey Team, EHS
	J0743	14 Aug 2003	G.V. Day
glen near Loughbrickland	J14	pre-1889	H.W. Lett
Montalto Estate	J3652	pre-2000	I. Rippey
Seaforde Estate	J406429	1988-1993	I. Rippey
	J40494318	20 May 2004	D. Ardeschir
	J40324369	23 Jul 2010	G.V. Day
Marino, Holywood - long since extinct	J47	pre-1863	J. Grainger
Castle Park, Bangor	J50628101	12 Apr 2004	R. Birch

Euphorbia exigua Linnaeus

Dwarf Spurge

Euro.: **not listed**Ir.: **RDB Near Threatened**Local: **3****N.I. Priority Species 2023**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2001**

An archaeophyte annual that is found in light cultivated soils. It was once fairly common, but declined before around the turn of the last century. Old records come from the land to the west and north of Strangford Lough, and it was recently found in disturbed soil at Delamont Country Park, when it had not been seen for about 70 years.

Location	Grid Ref.	Date	Recorder
Ballycraghan	unknown	pre-1895	Unknown
Ballyknowe near Downpatrick	unknown	pre-1895	Unknown
Lough Leagh	unknown	pre-1895	Unknown
Bangor vicinity	unknown	post-1930	<i>Perring & Walters 1976</i>
Killowen	J1915	pre-1895	Unknown
Bryansford	J3433	pre-1895	Unknown
Newcastle	J3731	pre-1895	Unknown
Dundrum	J4038	pre-1895	Unknown
Tullymurry	J4341	pre-1895	Unknown
Crossgar	J4452	pre-1895	Unknown
Cherryvalley, Comber	J4769	pre-1895	Unknown
Holywood	J4079	pre-1895	Unknown
Bangor	J4981	pre-1895	Unknown
Delamont Country Park – disturbed banks	J512511	28 Jul 2001	D. McNeill
Conlig	J5078	pre-1895	Unknown
	J5078	1915	J.H. Davies
Ballyholme, Bangor	J5282	pre-1895	Unknown
Groomsport, Belfast Lough	J5383	pre-1895	Unknown

Euphorbia paralias Linnaeus
Sea Spurge

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A native perennial that is common on sands from Greencastle to St. John's Point. The population of this species may be at low risk.

Location	Grid Ref.	Date	Recorder
Kilkeel Point	J3214	04 Sep 2016	G.V. Day & J. Faulkner
south of Annalong - shore, gone now	J3517	c. 1971	J. Harron
Newcastle beach	J3731	27 Jul 2019	J. Whatmough
		23 Mar 2023	G.V. Day & J.D. Nunn
Newcastle Golf Club - adjacent to west boundary of Murlough NNR	J392329	07 May 1998	P. Hackney
Murlough and golf club coast.	J3932	30 Jul 2019	J. Whatmough
Murlough	J33	early 1990s	W.I. McNeill
Murlough NNR	J3933	24-25 May 1988	Habitat Survey Team, EHS
	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
	J3933	20 May 1992	J.A. Lister
	J3933	10 Jun 2001	G.V. Day
	J3933	18 May 2003	BSBI
	J4033	18 May 2003	BSBI
	J3933	13 Jun 2004	G.V. Day
	J41073438 J41093440	07 Jun 2008	BNFC
	J3933	Jul 2013	J. Kirk det. G.V. Day
	J4033	11 May 2014	G.V. Day
	J3933 J4033	13 Sep 2014	BSBI
	J4034	04 Jul 2015	A. Carden & B. Hamill
	J4034	04 Jul 2015	G.V. Day
	J4034	04 Jul 2015	P. Lynch
	J4336	03 Jul 2015	R. Weyl
	J409346	09 Aug 2016	C. Cochrane
	J39433301	30 Jul 2019	J. Whatmough
	J41063440	18 Jul 2019	J. Whatmough
	J40673398	25 Jul 2019	J. Whatmough
	J40733402	22 Jul 2019	J. Whatmough
	J4033	18 May 2022	G.V. Day
Murlough ASSI	J397333	12 May 1991	E. Porter & I. Crawford
	J402337	14 May 1991	E. Porter & I. Crawford
	J404338	14 May 1991	E. Porter & I. Crawford
	J408340	13 Jun 1991	E. Porter & I. Crawford
	J408340	13 Nov 1991	E. Porter & I. Crawford
	J410342	15 May 1991	E. Porter & I. Crawford
	J411343	15 May 1991	E. Porter & I. Crawford
Keel Point, Dundrum Bay	J4035	02 Jun 2001	G.V. Day
Murlough House	J4133	21 May 1992	J.A. Lister
	J4135	21 May 1992	M. Flatt
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Murlough National Trust	J4135	16 Jul 2018	S. Thompson

Location	Grid Ref.	Date	Recorder
Ballykinler MoD	J4135 J42753557 J4435	03 Jul 2015	G.V. Day
Ballykinler Village	J4336	03 Jul 2015	R. Weyl
Tyrella South Td	J4435	09 May 2014	G.V. Day
Craigalea Rocks, 1.5km SE of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Tyrella	J4636	24 Jun 2009	G. Bennett & A. Church
	J4736	1979	P. Hackney
	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J47054617	22 Jun 2002	G.V. Day
	J468359	14 Jul 2002	D. McNeill
	J47163613	27 Apr 2014	G.V. Day, P. Hackney, M. Marshall & S. Mulvaney
	J47163613	29 May 2018	G.V. Day
Strangford Lower Td	J5849	08 Jul 2002	G.V. Day
Kearney, Ards Peninsula	J6451	15 Oct 2000	G.V. Day & J.W.D. Semple

Euphorbia portlandica Linnaeus
Portland Spurge

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A scarce attractive perennial that is found on sand dunes. It is no longer present at Greencastle, and is restricted to the area from Newcastle to Tyrella (J33 & J43) where it forms an almost continuous population, part of which lies within the Murlough NNR. The county population of this species is at low risk as the NNR is protected.

Location	Grid Ref.	Date	Recorder
Greencastle - gone now <i>Hackney 1992</i>	J21	pre-1888	S.A. Stewart
	J21	1935-1937	R.Ll. Praeger
Newcastle beach	J3731	27 Jul 2019	J. Whatmough
		23 Mar 2023	G.V. Day & J.D. Nunn
Newcastle Golf Club	J3832	30 Jun 1926	H.D. Megaw
	J3832	1931	H.D. Megaw
	J3832	07 Oct 1992	Habitat Survey Team, EHS
	J392329	07 May 1998	P. Hackney
Murlough ASSI - 10 sites in 1km area	J3933	11-14 May 1991	E. Porter & I. Crawford
Murlough ASSI	J407341	14 May 1991	E. Porter & I. Crawford
	J408340	13 Jun 1991	E. Porter & I. Crawford

Location	Grid Ref.	Date	Recorder
Murlough NNR	J33	24 Jun 1972	J. Wilde
	J3933	24-25 May 1988	Habitat Survey Team, EHS
	J400355	13 May 1991	E. Porter & I. Crawford
	J3933	20 May 1992	J.A. Lister, M. Flatt & P. Jackson
	J3933	10 Jun 2001	G.V. Day
	J 3933, J4033, J4034	18 May 2003	BSBI
	J41093448	14 May 2004	G.V. Day & J. Harron
	J3933	13 Jun 2004	G.V. Day
	J3933, J4033 & J4034	11 May 2014	G.V. Day
	J3933	13 Sep 2014	BSBI
	J3933	25 Mar 2016	R.M. Walls
	J40613426	07 Jun 2008	BNFC
	J4134 J4234	22 Jun 2008	R.M. Walls
	J400335	25 Jan 2009	A. O'Doherty
	J4034	05 Apr 2009	G.V. Day
	J4034	29 Sep 2012	G.V. Day
	J40933594	25 Apr 2014	G.V. Day
	J4034	04 Jul 2015	Bioblitz
	J41183455	18 Jul 2019	J. Whatmough
	J4034	22 Jul 2019	J. Whatmough
	J4033	25 Jul 2019	J. Whatmough
	J39453323	30 Jul 2019	J. Whatmough
	J3933 J4033	18 May 2022	G.V. Day
Murlough ASSI - 5 sites in 1km area	J4033	13-14 May 1991	E. Porter & I. Crawford
Keel Point, Dundrum Bay	J4035	02 Jun 2001	G.V. Day
Murlough House	J4133	21 May 1992	J.A. Lister
	J4135	21 May 1992	M. Flatt
	J4135	25 Apr 2014	G.V. Day
	J4135	16 Jul 2018	P. Tavernier
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Ballykinler	J43	1894	C.H. Waddell
	J43	1902	R.Ll. Praeger
	J41473596	24 Apr 2014	G.V. Day
	J44243531	2016 & 2017	S. Mulvaney & P. McShane
Ballykinler MoD	J42753557	03 Jul 2015	G.V. Day
Rathmullan	J43	pre-1888	S.A. Stewart
Tyrella South Td	J4435	09 May 2014	G.V. Day
Craigalea	J44943519	14 May 2004	G.V. Day & J. Harron
Craigalea Rocks, 1.5km south east of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Ringsallin	J4635	pre-1883	T.H. Corry
Ringsallin Point	J467361	22 Jun 2002	G.V. Day

Location	Grid Ref.	Date	Recorder
Tyrella beach	J4736	1979	P. Hackney
	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J47093613	22 Jun 2002	G.V. Day
	J468359	14 Jul 2002	D. McNeill
	J4636	19 Aug 2006	BNFC
	J4736	19 Aug 2006	BNFC
	J4736	05 Apr 2009	G.V. Day
	J4636	24 Jun 2009	G. Bennett & A. Church
	J4636	27 Apr 2014	G.V. Day, P. Hackney, M. Marshall & S. Mulvaney
	J47223618	04 Jun 2016	R. Anderson
	J47113620	29 May 2018	G.V. Day
Killough	J53	1913	S.A. Bennett

LINACEAE

Linum bienne Mill.

Pale Flax

Euro.: **not listed**Ir.: **RDB Near Threatened**

Local: 1

N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2018**

A native biennial or perennial usually found in dry grassland, but introduced in Down. It has not persisted at these sites and is vulnerable.

Location	Grid Ref.	Date	Recorder
Murlough House	J4135	04 Jul 2015	G.V. Day
Bangor	J4981	1992	J.G. Angus
Orlock Point	J558836	21 Aug 2018	P. McErlean

Linum radiola Linnaeus

Allseed

Euro.: **not listed**Ir.: **RDB Near Threatened**

Local: 1

N.I. Priority Species 2023N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2013**

A rare tiny native annual that grows on damp acidic sandy and peaty soils such as those of heaths, dunes and tracks. It was once fairly common, occurring mainly to the west of Strangford Lough and in the south-east of the county, but declined about the turn of the last century. There have been four records since about 1950, all of them in the south-east. The county population of this species is endangered.

Location	Grid Ref.	Date	Recorder
Dobbin's Point, Carlingford Lough	J157186	16 Jul 2013	I. McNeill
Causeway Water	J21	pre-1890	Unknown
Greencastle, Carlingford Lough	J2411	c. 1950	Unknown
Glenloughan	J25171711	24 Aug 2002	G.V. Day
between Newcastle and Annalong	J3719	pre-1890	Unknown
Kilkeel River, Mourne Mountains	J32	pre-1825	J. Templeton
Murlough NNR - dunes	J33	pre-1890	G.C. Druce
Newcastle dunes	J3731	pre-1890	G.C. Druce
beside Ballagh River, Newcastle	J3731	1956	J.S. Pate & B.E.S. Gunning
Saintfield	J4059	pre-1890	R.Ll. Praeger
Magherascouse near Ballygowan	J4464	pre-1890	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
gravel pit near Comber	J4669	pre-1890	S.A. Stewart
Holywood	J4079	pre-1825	J. Templeton & W. Milne
near Newtownards	J4974	pre-1890	D. Orr
Bangor	J4981	pre-1890	R. Oulton
Kircubbin, Strangford Lough	J5962	1918	S.A. Bennett

GERANIACEAE

Geranium columbinum Linnaeus
Long-stalked Crane's-bill

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2005**

This is a rare native species, but may be introduced at some of its stations. It has been recorded from a variety of habitats including dry banks, railway lines, old quarries and roadsides. It was first noted before 1830 and most records come from the east of the county. It has not been recorded since 2005, and as it is conspicuous and unlikely to be overlooked, may be extinct in county Down.

Location	Grid Ref.	Date	Recorder
Newcastle Railway Station	J3731	1923	C.D. Chase
railway between Dundrum and Newcastle	J3933	1923	C.D. Chase
slope south side of Dundrum Castle	J403369	1936	A.H. Davison
Glencraig	J437816	19 Jun 2005	R. Ellis & R. Reynolds
Crawfordsburn Country Park: Sea Hill Plantation	J471821	17 Jun 2005	R. Reynolds
Kilclief	J5945	1921	C.D. Chase & S.A. Bennett
west and north of Kilclief	J5945	1953	J.McK. Moon & E.N. Carrothers
roadside 1.6km south of Strangford	J5948	1918	R.Ll. Praeger
base of wall in lane on north west edge of Lough Cowey	J5954	1903-1937	R.Ll. Praeger
	J5954	1913	S.A. Bennett
Ballydorn, near Killinchy	J5263	pre-1830	G.C. Hyndman
near 'The Primacy' cottages in old disused field quarry 2.4km south of Bangor - gone now	J5280	1916	R.A. Phillips

Geranium lucidum Linnaeus
Shining Crane's-bill

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2007**

A calcicolous annual species of roadsides, rocky outcrops and walls. It was first noted in 1897. This species has expanded recently, is at low risk and has now exceeded the criteria for inclusion.

Geranium pratense Linnaeus
Meadow Crane's-bill

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **3**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2019**

An attractive introduced perennial, native to county Antrim, which has been recorded from river and lough shores, grassy and waste places. It is a garden escape and component of seed mixtures, but does not usually persist.

Location	Grid Ref.	Date	Recorder
Belfast Harbour Estate	J37	11 Aug 2001	BSBI
Annadale Tip	J3470	29 Jun 1992	P. Hackney
	J3470	1992-1995	BNFC
	J341707	30 Aug 2001	P. Hackney
Galwally Grassland, Lagan Valley Park	J34157074	07 Jun 2016	R. Anderson
Annadale, River Lagan	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & J. Rutherford
Tillysburn Nature Park	J3876	11 Aug 2001	BSBI
	J3876	17 Jul 2010	G.V. Day
Jericho Lough	J485552	1972	R. Anderson
Castle Espie	J49546718	05 Jul 2019	M. Turley
Clandeboy Estate	J47	09 Aug 2001	BNFC
	J4779	02 Jul 2002	G.V. Day
Camphill Community, Glencraig	J4381	25 May 2019	G.V. Day
Crawfordsburn Country Park wildflower meadow	J46488247	19 May 2012	R. Field
	J46798188	18 Jul 2017	M. Wright
Ballyfortherly Bog	J55207841	25 Jul 2003	G.V. Day
Sea Plantation, Mount Stewart	J55686931	10 Jun 2011	D. McCormick
Mount Stewart	J5569	15 Aug 2018	T. Edwards

Geranium pusillum Linnaeus
Small-flowered Crane's-bill

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1960**

A small introduced annual that has been recorded from grassland, roadsides, and banks, often on sandy soils. Records come from the north-east of the county and in particular the Ards Peninsula. It is probably a casual here and may be under-recorded.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J3574	1915	N. Carrothers
1.6km south of Greyabbey - sparingly	J5866	1930	R.Ll. Praeger
between Bangor and Six Road Ends near farm	J57	1908	S.A. Moore
Copeland Island Bird Observatory	J5985	1960	Unknown <i>CBO Report</i>

Geranium pyrenaicum Burm. f.
Hedgerow Crane's-bill

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2019**

A neophyte perennial that has been found in hedgebanks and waste places, but rarely persists. It has been recorded widely in the county, but has declined.

Location	Grid Ref.	Date	Recorder
Ballylesson gravel pit	J3267	1877	S.A. Stewart det. R.Ll. Praeger
near Castle Espie	J4967	pre-1918	C.H. Waddell
Clandeboy	J4779	1946	R.D. Meikle
Conlig	J4976	1898	R. Hanna
	J4976	1919	S. Wear
Carnalea, Belfast Lough	J4882	1956	BNFC
Saul village	J5046	pre-1888	C. Dickson
	J5146	1890	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
lane north end of Lough Keelan	J5645	1959	E.N. Carrothers & R.C. Davidson
Strangford	J5849	1878	T.H. Corry
Killinchy	J5060	1956	BNFC
Ballyblack Road, Ballywatticock	J52427272	02 Jun 2019	G.V. Day
Six Road Ends, Ards Peninsula	J57	1943	J.McK. Moon
1.6km east of Groomsport, Belfast Lough	J5483	1886	R.Ll. Praeger
Groomsport to Sandeel Bay - frequent on ground near the shore	J5483	c. 1967 to c. 1973	J. Harron
c. 1.6km south of Portavoe House	J5681	1874	S.A. Stewart
Donaghadee	J5980	1878	T.H. Corry
	J5980	1925	C.D. Chase
Greyabbey Rd, Ballywalter	J62686952	21 May 2016	R. Anderson

Geranium sylvaticum Linnaeus
Wood Crane's-bill

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Endangered** Brit.: **RDB Least Concern**
Local: **Extinct** Last seen: **1885**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

An attractive perennial found in a small den above Holywood pre-1864 (Dickie 1864) - perhaps at Marino where this plant grew until c. 1885, but as suspiciously near the garden of Mait, may have been introduced.

Location	Grid Ref.	Date	Recorder
Marino House, Holywood	J407799	1864-1885	G. Dickie & R.Ll. Praeger

Erodium lebelii Jord.
Sticky Stork's-bill

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Waiting List** Brit.: **RDB Least Concern**
Local: **2** Last seen: **2022**
N.I. Priority Species 2023

A scarce native annual that is found on sand dunes. It is found in the south-east of the county, and may be under-recorded because of confusion with *Erodium cicutarium* ssp. *dunense*. This species may have increased or it may be better recorded in recent years. It appears to be secure at least at Murlough NNR, where it is protected. This species is at low risk.

Location	Grid Ref.	Date	Recorder
Newcastle	J3731	1916	S.A. Bennett det. P.M. Benoit
Dundrum NR	J404385	1975	S. Beesley

Location	Grid Ref.	Date	Recorder
Murlough NNR - dunes	J410346	06 Jun 1996	W.E. Harrison & J. Harron
	J41803460	14 May 2004	G.V. Day & J. Harron
	J3933	13 Jun 2004	G.V. Day
	J40803473 J41003427	07 Jun 2008	BNFC
	J4034	11 May 2014	G.V. Day
	J40653424	04 Jul 2015	G.V. Day
	J40023356	14 Jun 2016	R. Anderson
	J409346	09 Aug 2016	C. Cochrane det. B. Davidson
	J40213398 J40023389	18 May 2022 27 Jul 2022	G.V. Day G.V. Day & J. Whatmough
Ballykinler	J43373508	09 May 2014	G.V. Day
Tyrella	J470360	04 Jun 1992	W.E. Harrison & J. Harron
	J47223624	14 May 2004	G.V. Day & J. Harron
Copeland Island (Big Island)	J58828350	06 Jun 2004	G.V. Day & J. Harron
Benderg Bay, abundant in dunes at edge of upper shore	J6042	1971	R. Anderson

Erodium maritimum (Linnaeus) L'Hérit
Sea Stork's-bill

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: 1
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A rare small native annual that is found on sand dunes. It was first recorded before 1886 at Dundrum dunes and was mostly found in the south-east of the county. It has now greatly declined and is absent from many of its stations. This species is endangered.

Location	Grid Ref.	Date	Recorder
1.6km south of Annalong	J3719	pre-1938	C.R. Nodder
Newcastle	J3731	pre-1825	J. Templeton
	J3731	1935-1937	R.Ll. Praeger
Dundrum dunes	J4038	1886-1975	Various reports
Murlough NNR – on shingle flat in the public area	J400336	2006	J. Whatmough
Murlough NNR	J4034	04 Jul 2015	S. Thompson
Murlough House	J412349	06 Jun 1996	W.E. Harrison & J. Harron
	J41343509	30 Sep 2003	G.V. Day
	J4135	04 Jul 2015	G.V. Day
	J413351	31 Jul 2019	J. Whatmough
Ballykinler - abundant	J4234	1888	R.Ll. Praeger
between Rathmullan and Tyrella	J4835	pre-1888	S.A. Stewart
St. John's Point	J5233	pre-1888	S.A. Stewart
	J529337	1970	J. Harron
	J52743335	21 Jul 2023	G.V. Day & J.D. Nunn
opposite Gun's Island	J5941	pre-1888	S.A. Stewart
Bangor Yacht Club, colonising gravel	J503822	1982	J. Harron
Kirkistown, Ards Peninsula	J6457	pre-1825	J. Templeton
	J6457	1935-1937	R.Ll. Praeger

Erodium moschatum (Linnaeus) L'Hérit
Musk Stork's-bill

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

An archaeophyte annual that is found on dunes, roadsides, on the tops of walls and in waste places near the sea. Most records come from the south-east of the county and it was first recorded in 1806 at Portaferry. It had declined greatly, and until recorded in 2000, had not been seen in the county since 1945. However, since about 2015 it has been found regularly at sites on the Ards peninsula, Murlough and Tyrella.

Location	Grid Ref.	Date	Recorder
Dromore	J1952	05 May 2019	G.V. Day & J.D. Nunn
Cranfield	J2610	07 Oct 2018	G.V. Day
Annalong	J3719	1883	H.C. Hart
	J3719	1889	Unknown
Murlough NNR - dunes	J33	1985	BSBI
	J41113438	10 Jun 2018	Irish Field Club Union J. Whatmough
	J40983459	27 Jun 2019	
	J40973479	22 Jul 2019	
	J4033	25 Jul 2019	
	J39523345	30 Jul 2019	
Dundrum	J4038	c. 1878	T.H. Corry
	J4038	1915	N. Carrothers
	J4038	1930s	R.Ll. Praeger
Tyrella	J47093626	25 May 2018	R. Anderson
	J46983615 J47303625	29 May 2018	G.V. Day
Island Hill, Comber	J48906887	20 Jul 2016	G.V. Day
	J48986891	13 May 2017	S. Belshaw
Newtownards	J499736	12 Sep 2008	G.V. Day
	J485740	15 May 2015	G.V. Day
south of Killough	J5336	1893	R. Hanna
Coney Island, Ardglass	J5436	1902	R.Ll. Praeger
Ardglass	J5537	1892	C.H. Waddell
Audley's Castle, Castleward	J5750	1918-1930s	R.Ll. Praeger & C.R. Nodder
	J5750	22 Oct 2021	G.V. Day & J.D. Nunn
Portaferry, Ards Peninsula	J5950	1806	J. Templeton
	J5950	1945	J.McK. Moon
	J5950	31 Dec 2018	G.V. Day
	J591508	26 Jan 2020	
	J595502	19 Apr 2020	
	J5950	21 May 2020 26 Jun 2020 21 Jul 2020 02 Aug 2020	
Ballyhaft Road, Ards Peninsula, perhaps introduced with builder's sand	J526726	24 May 2000	G.V. Day
The Commons, Donaghadee, Ards Peninsula	J5979	13 Apr 2019	G.V. Day, R. Anderson, V. Macartney
Ballyholme, Bangor	J51538221	02 Apr 2016	L. Crawshaw
Cloghy	J64095724	28 May 2016	R. Anderson
	J64215733	02 May 2017	G.V. Day
	J6457	02 May 2021	G.V. Day & J.D. Nunn

LYTHRACEAE

Lythrum hyssopifolia Linnaeus
Grass-poly

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Endangered; WCA**
Last seen: **1910**

An annual archaeophyte that is found on ground which floods in winter. It has only been recorded once, on a path cut through a field in which oats had been grown.

Location	Grid Ref.	Date	Recorder
Ballymagee, Bangor	J5280	1910	A.W. Stelfox

Lythrum portula (Linnaeus) D.A. Webb
Water-purslane

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2013**

A scarce native procumbent annual that may be found in shallow water or on damp paths. It has a scattered distribution and has been seen most recently at Derryleckagh Lake and Clea Lakes. Two subspecies have been recognised, but most workers have not distinguished these and it is unclear how frequent they are. This species has been lost from some of its early sites and has declined. It is probably threatened in Down by eutrophication and scrub encroachment.

Location	Grid Ref.	Date	Recorder
Derryleckagh Lake	J127262	10 Jul 1987	J. Harron
	J129256		
	J128252	19 Jul 2013	I. McNeill & K. Johnston
Corbet Lough	J181449	1888	S.A. Stewart
Skillyscolban Lough	J187497	19 Sep 1977	J. Harron
Shanrod Lough	J210455	01 Sep 1990	J. Harron
Newcastle	J33	11 Sep 1899	S.A. Stewart
Newcastle Beach	J3731	1888	S.A. Stewart
Moneycarragh River	J380393	25 Jun 1992	J. Harron & W.E. Harrison
Ballywillwill Lough	J3640	25 Jun 1992	J. Harron & W.E. Harrison
Edendarriff Mountain	J3845	09 Jul 1972	J. Harron
Hollywood	J3978	1863	Unknown
Downpatrick	J44	Sep 1886	R.Ll. Praeger
Loughinisland Lake	J44H	19 Aug 1983	J. Harron
Hollymount NNR	J4743	1969	NIEA
	J4743	1980 - 1981	R.S. Weyl
	J4543, J4643, J4644 & J4744	01 Jul 1990	NIEA
	J473436	22 May 1991	P. Corbett & K. Anderson
Comber-Strangford Lough	J46	1888	S.A. Stewart
Moneyreagh	J411669	1888	S.A. Stewart
Ballyalloly	J431677	1863	Unknown
Clea Lakes	J502549	04 Jul 1991	J. Harron & W.E. Harrison
	J50165524	29 Jul 2011	G.V. Day

Location	Grid Ref.	Date	Recorder
Kircubbin	J56	1918	C.H. Waddell
	J5962	1969	Unknown
South Island, Strangford Lough	J5666	07 Jun 2002	G.V. Day
Copeland Island (Big Island) W, Copelands	J58908350	28 Jul 2007	G.V. Day

Lythrum portula ssp. *portula*

Euro.: **Least Concern**
 Ir.: **RDB Least Concern**
 Local: **DD**

N.I.: **not listed**
 Brit.: **RDB Waiting List**
 Last seen: **1886**

Location	Grid Ref.	Date	Recorder
Downpatrick	J44	Sep 1886	R.Ll. Praeger det. F.H. Perring

Lythrum portula ssp. *longidentatum* (J. Gay) P.D. Sell

Euro.: **Least Concern**
 Ir.: **RDB Least Concern**
 Local: **DD**

N.I.: **not listed**
 Brit.: **RDB Waiting List**
 Last seen: **1900**

Location	Grid Ref.	Date	Recorder
Lough Brickland	J14	12 Jul 1900	W.H. Lett det. F.H. Perring

MALVACEAE

Malva neglecta Wallr.
Dwarf Mallow

Euro.: **not listed**
 Ir.: **RDB Near Threatened**
 Local: **Extinct**

N.I.: **not listed**
 Brit.: **RDB Least Concern**
 Last seen: **1915**

An archaeophyte annual found growing on coastal dry light soils such as those of sandy places and roadsides. It was first recorded in 1798 (sites unknown), when it was said to be '*common in the Ards*' (J. Templeton), but has rarely been recorded there since. This plant is now extinct in the wild.

Location	Grid Ref.	Date	Recorder
St. John's Point	J5233	1878	S.A. Stewart
Killough	J5336	1897	C.H. Waddell
	J5336	1908	W.J.C. Tomlinson
Ardglass	J5537	1866	S.A. Stewart
Saul, 1km north-east of Downpatrick	J5146	pre-1888	S.A. Stewart
Ballyhornan	J5942	1894	S.A. Stewart
Kirkistown, Ards Peninsula	J6457	1915	S.A. Bennett & C.H. Waddell
Ballyferis, Ards Peninsula	J6371	1915	S.A. Bennett

THYMELAEACEAE

Daphne laureola Linnaeus
Spurge-laurel

Euro.: **not listed**
 Ir.: **not listed**
 Local: **3**

N.I.: **not listed**
 Brit.: **RDB Least Concern**
 Last seen: **2016**

D. laureola is an introduced small evergreen shrub that grows in deciduous woodland and in hedges. It appears to be spreading.

Location	Grid Ref.	Date	Recorder
Kilbroney Park: near The Lodge, Rostrevor	J18371805	15 Apr 2004	C. Graham
Greencastle, Carlingford Lough	J2511	17 Apr 2016	G.V. Day
Drumbo, in hedge of drive to farmhouse - unsure whether planted or bird-sown	J3265	17-22 Jul 1987	E.T. Daniels
Belvoir Park Forest: offices area	J34016976	22 Apr 2016	R. Anderson
Galwally: sewage works, Lagan Valley Park	J341702	10 Jun 2005	G. Wallace
Farranfad	J43194302	8 Aug 2013	G.V. Day
Lyon's Bridge, Ballynahinch River	J41235216	21 May 2002	G.V. Day & J. Harron
Sea Plantation, Mount Stewart Estate	J550695	18 Aug 1998	J.A. Lister

Daphne mezereum Linnaeus
Mezereon

Euro.: **not listed**
Ir.: **not listed**

N.I.: **not listed**
Brit.: **RDB Vulnerable**

A perennial ornamental shrub that has only been recorded once and probably in error. It usually grows in base-rich soil, often in woodland.

Location	Grid Ref.	Date	Recorder
Tieveashilly, Ards Peninsula <u><i>This record requires confirmation</i></u>	J627476	01 Sep 1991	E. Porter & I. Crawford

BRASSICACEAE

Rorippa islandica (Oeder ex Murray) Borbas
Northern Yellow-cress

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2008**

Until about 1987, this species was known in Ireland as a mainly western species, not recorded from Northern Ireland. Since then, a number of sites within Northern Ireland have been found, of which many are suggestive of it being a recent adventive, favouring disturbed ground.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J33613155	23 Jul 2008	T.C.G. Rich, R.L. Hodd & M. Jannink
Kinnegar - 200+ plants in wet hollow in path	J386780	Jul 2004	R.S. Weyl
Craigtantlet Wood – on gravelly surface of track	J440776	28 Aug 2005	J. Harron

Nasturtium microphyllum (Boenn.) Rchb.

Narrow-fruited Water-cress

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2011**

A native perennial of shallow streams, ditches, marshes and lough-shores. The population seems small and is widely distributed over the county. It may be vulnerable to land drainage and clearance of ditches.

Location	Grid Ref.	Date	Recorder
Kernan Lake 2km south-east of Gilford	J0846	24 Aug 1999	P. Hackney & G.V. Day
Annaghdroghal shoreline, Lough Neagh	J079637	18 Aug 1997	J. Harron
Cranfield, Carlingford Lough	J21	Aug 1956	D.A. Coult
Glenloughan, 2.5km north of Ballygowan	J253159	14 Jun 1989	J. Harron
Lough Island Reavy - north shore	J2934	08 Sep 2002	J. Harron
Cratlieve or Legananny Mountain, near Slieve Croob	J24	13 Jul 1972	J. Harron

Location	Grid Ref.	Date	Recorder
Clontanagullion Lough	J322510	14 Aug 1991	W.E. Harrison & J. Harron
Dundrum Coastal Path	J4137	06 Aug 2011	G.V. Day
Loughinisland Lake	J4244	26 Jul 2011	G.V. Day
Moneygreer Bog, 1.5km south-east of Ballygowan	J442628	17 Sep 1985	S.J. Leach, S.A. Wolfe-Murphy & L.W. Austin
Greengrove, east of Dundonald	J450733	07 Jun 2004	J. Harron
Slievenagriddle near south end of Lough Money	J533452	24 Jul 1987	W.E. Harrison & J. Harron
Loughkeelan	J561451	03 Jul 2002	G.V. Day & J. Harron
Clea Lakes	J5055	29 Jul 2011	G.V. Day
The Dorn, Strangford Lough	J589556	03 Jul 1991	J. Harron
Ballyherly Lough	J5952	04 Sep 2011	R.S. Weyl
Orlock Point, Belfast Lough	J5583	22 Jun 1985	S.J. Leach
Copeland Island (Big Island)	J5983	09 Aug 2003	G.V. Day & J. Harron
	J58188440	06 Jun 2004	G.V. Day & J. Harron
	J58898350		
	J58608367		

Cardamine amara Linnaeus

Large Bitter-cress

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2017**

A scarce native perennial of the banks and shallow water of streams and rivers and marshy woodland. It was first found in 1864 and is principally distributed in the valleys of the Bann and Lagan Rivers. The population of this species may be expanding and appears to be at low risk.

Location	Grid Ref.	Date	Recorder
River Bann below Gilford on ditch bank	J057490	16 Sep 1972	J. Harron
	J059488	31 May 1991	J. Harron
	J059489	14 May 2012	J. Harron
Moyallan, Upper Bann Valley	J045512	06 Jun 1983	J. Harron
	J0450	29 May 1991	J. Harron
Hillsborough Park Lake	J2458	08 Oct 2000	G.V. Day
River Lagan at Edenderry	J3167	1865	S.A. Stewart
	J3168	1909	S. Wear
	J318682	30 May 2013	M. Wright
Edenderry (Marsh) NR	J3168	06 Jun 2000	BNFC
Minnowburn Beeches	J325687	1981	P. Hackney
	J32356850	22 Apr 2007	G.V. Day
	J32436867	01 May 2012	R. Field
	J32276843	19 May 2017	L. Somerville det. M. Marshall
	J32356848	02 Apr 2017	R. Anderson
Shaw's Bridge, River Lagan - 1877 specimen does not state which side of bridge	J325690	1877	S.A. Stewart
	J325689	1886	R.Ll. Praeger
Belvoir Park Estate, Belvoir	J3268	09 Jan 1998	D. Broughton
Terrace Hill, Ballynahatty	J3268	19 Apr 2000	G.V. Day
Belvoir Park Forest	J3369	1864	H. Robinson
	J33787001	06 Apr 2017	R. Anderson
	J342697	1998	D. McNeill
Belvoir Park Motte	J340698	1979	BNFC det. R. Piper

Location	Grid Ref.	Date	Recorder
Belvoir Forest Nature Reserve - black loam nearly bare soil in heavily shaded seepage by Belvoir Carriageway	J347694	20 May 1999	R. Anderson
Carryduff	J36	20 Jun 1989	S. Beesley & J. Wilde
Ballylolly marsh	J4367	pre-1888	S.A. Stewart
Castleward (National Trust), Strangford Lough	J570490	25 Jun 1992	M. Flatt
Mount Stewart	J556708	24 Aug 2017	T. Edwards
	J558694	27 May 2017	A. O'Doherty

***Lepidium coronopus* (L.) Al-Shehbaz**
Swine-cress

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2010**

An archaeophyte annual that was first noted before 1863. It occurs on rich soils, being found on banks by the sea and as a casual on disturbed ground. It has been widely recorded on the coast, but does not appear to persist at any site. There is no firm evidence of a decline, and the county population of this species is probably at low risk.

Location	Grid Ref.	Date	Recorder
Edenderry Wood	J08184315	14 Aug 2003	G.V. Day
Warrenpoint	J1318	pre-1888	S.A. Stewart
Killowen	J1915	1921	C.D. Chase & S.A. Bennett det. P. Hackney
Ballymartin, 4km NE of Kilkeel	J34891689	24 Jul 2002	G.V. Day & P. Hackney
Russells Point, Annalong	J37231886	11 Sep 2010	G.V. Day & M. Marshall
Bangor	J48 or J58	pre-1825	J. Templeton
Sheepand/Coney Island	J53	1955-1958	BSBI
St. John's Point	J5233	1898	C.H. Waddell
St. John's Point, 2km south of Killough	J53	1957	BSBI
Ardglass	J5537	1892	C.H. Waddell
St. Patrick's Well	J577378	19 Jul 1996	P. Hackney
Ballyhornan	J59834278	02 Jul 2006	G.V. Day
Killard - gateway by road	J597434	01 Aug 2004	R.S. Weyl
Ballyhornan	J59854278	03 July 2006	G.V. Day
Killyleagh	J5252	1952	J.E. Greer
Portaferry, Ards Peninsula	J5950	pre-1864	Unknown
Rolly Island, Strangford Lough	J5265	11 May 1975	O. Morton
Millisle, Ards Peninsula	J5975	pre-1888	S.A. Stewart
Groomsport, Belfast Lough	J5383	pre-1863	Unknown
Donaghadee village	J5980	1878	T.H. Corry
Benderg Bay	J60074280	25 Aug 2002	G.V. Day
Portavogie, Ards Peninsula	J6659	1919	S.A. Bennett det. P. Hackney
Butterlump Rock	J66	1913	S.A. Bennett

***Subularia aquatica* Linnaeus**
Awlgort

Euro.: **Least Concern**
Ir.: **RDB Vulnerable**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **pre-1864**

A native aquatic of shallow oligotrophic lough margins. This species was first found in Ireland by W. Sherard at Kilmore townland, county Down on the shores of Lough Neagh near Moira in the later part of the 1600's, while Sherard was resident at Moira as the tutor-cum-guest of Sir Henry Rawdon. This also seems to be the earliest plant record in Down.

Location	Grid Ref.	Date	Recorder
canal at Newry	unknown	pre-1864	W. Thompson
Kilmore, Lough Neagh	J0862	c. 1690	W. Sherard
	J0862	1744	Unknown

Descurainia sophia (L.) Webb ex Prantl
Flixweed

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1987**

An archaeophyte found on roadsides and waste ground. It has never been common, but has declined and is extinct in the county.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J3574	1915	N. Carrothers
Victoria Park, Sydenham, Belfast	J365755	1906	N. Carrothers
Belfast Lough	J37	1986	S. Wolfe-Murphy & S.J. Leach
Hollywood Exchange, Knocknagoney, Hollywood	J384777	1908	N. Carrothers
Craigavad Point - Cultra Yacht Club	J417813	15 Jul 1987	J. Harron
Craigavad Td, Belfast Lough	J4281	1987	J. Harron
Ballymagee Td, Bangor	J5280	1913	A.W. Stelfox

Arabis hirsuta (Linnaeus) Scop.
Hairy Rock-cress

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1952**

A small native calcicolous species growing in open situations on sand dunes, mortared walls and in grassland. It was first recorded in 1797 at Dundrum castle, and again in the 1930s. It has not been refound at the Slideryford site (1952) despite regular visits by recorders. It is likely extinct in the vice county.

Location	Grid Ref.	Date	Recorder
railway track, Murlough NNR	J395342	1952	BNFC
Dundrum Castle walls and modern enclosure - gone by c. 1985 (P. Hackney)	J403369	1797	J. Templeton
	J403369	1935-1937	R.Ll. Praeger
Murlough dunes	J4134	pre-1864	H. Hincks
	J4134	1935-1937	R.Ll. Praeger

Drabella muralis Linnaeus
Wall Whitlowgrass

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1990**

A small introduced species that has occurred on walls and gravel or rock chippings. It does not seem to have persisted at any site.

Location	Grid Ref.	Date	Recorder
walls at Rogers' Nursery, Newry <i>Foster 1918</i>	J0826	1896	H.W. Lett
0.4km north of Hillsborough station - wall by level crossing <i>Foster 1918</i>	J25	1918	N.H. Foster
weed in Oglesgrove Nursery, Hillsborough	J2458	1918	N.H. Foster
Drumboe churchyard wall, Ballylesson Road, Ballylesson	J329672	1984	D.S. Lambert
plentiful in flower pots as weeds outside 'Supermac' supermarket, Newtownbreda (now gone, development as Sainsbury's supermarket c. 1999)	J352702	1990	D.S. Lambert

***Erophila glabrescens* Jordan**

Glabrous Whitlowgrass

Euro.: **not listed**Ir.: **RDB Least Concern**Local: **1**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1999**

A native species that was only segregated in floras in 1987. It is similar to *Erophila verna* and may be overlooked.

Location	Grid Ref.	Date	Recorder
Newry Canal, N of Poyntzpass	J062403	15 Apr 2017	J. Faulkner
Drumkeeragh Forest – bare ground in car park	J333463	20 May 1999	P. Hackney
Murlough NNR	J39373379	24 Apr 2011	R. Field
Bird Hide 2, RSPB Window on Wildlife	J37287817	15 May 2016	R. Anderson

***Erophila majuscula* Jordan**

Hairy Whitlowgrass

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **1**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2012**

A native species that was only segregated in floras in 1987. The early records are based on specimens in **BEL**. It is easily overlooked and was last seen in 2012.

Location	Grid Ref.	Date	Recorder
Queen Elizabeth Bridge, Belfast	J34517439	04 Apr 2012	G.V. Day
Hollywood Railway Station	J39547922	14 Apr 2012	G.V. Day
Saintfield vicarage - bare ground	J4059	17 May 1894	C.H. Waddell det. T.C.G. Rich
Saintfield vicarage - walls	J4059	May 1907 May 1909	C.H. Waddell det. T.C.G. Rich
Newtownards	J492742	31 Mar 2012	G.V. Day
Kearney	J65	17 Apr 1977	P. Hackney det. T.C.G. Rich

***Crambe maritima* Linnaeus**

Sea-kale

Euro.: **Least Concern**Ir.: **RDB Near Threatened**Local: **2**N.I.: **WO**Brit.: **RDB Least Concern**Last seen: **2022****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A rare native perennial of stony sea-shores. It was first found in the 1860s and several stations, mostly in the Ards Peninsula, were noted in the 19th and 20th Centuries, but by the 1980s it had become apparently almost extinct in the county, known only at a single site at Glassdruman from 1988 onwards. Recent surveys of the coast have revealed a number of other stations, and its range may be expanding, but there are no recent sightings from its former strongholds along the outer Ards coast.

Location	Grid Ref.	Date	Recorder
Kilkeel, Leestone Point	J333144	14 Aug 2018	A. McComb
	J333145	4 Sep 2018	P. McErlean
	J33411475	25 Jul 2018	G.V. Day
	J3341214569	2005	J. Whatmough
Black Rock, Ballymartin	J350171	22 May 2021	I. Rippey
Ballymartin near Black Rock - 2 plants and 3 young	J3599017258	2005	J. Whatmough
Wreck Port, Moneydorrage More Td	J3618	02 Aug 2018	A. McComb
	J368186	20 Jul 2018	A. McComb
near Annalong	J3719	1860s	M.J.B. Ward
Annalong	J375193	28 Jul 2018	A. McComb
Arthur's Port, Mullartown	J3720	14 Jul 2018	A. McComb
Glasdrumman	J379227	15 Jul 2019	A. McComb
	J379227	28 Apr 2020	A. McComb
Mullartown Point	J380210	23 Jun 2010	J. Harron
	J38182112	2005	J. Whatmough
	J382211	20 Apr 2020	A. McComb
Jenkin's Point, Glasdrumman Td	J380227	12 Sep 2010	J. Harron
Glasdrumman Port - a single plant (1988); small colony of about a dozen plants (1992); 3-4 plants, 1 setting seed (2003)	J381222	1988	J. Whatmough
	J380227	1991-1992	J. Whatmough
	J381222	29 Jun 1992	P. Hackney
	J380227	1993-2005	National Trust
	J380220	21 Sep 1997	G.V. Day & J.D. Nunn
	J380227		
	J38002272	16 Aug 2000	G.V. Day
	J38002271	30 Jul 2003	G.V. Day
	J381222	25 Jun 2005	G.V. Day
Glasdrumman, 3km north of Annalong	J382215	20 Jul 2018	A. McComb
	J388227	19 Sep 1991	E. Porter & I. Crawford
Mourne Coastal Path	J389258	15 Aug 2019	A. Coffey
Minerstown beach	J5036	01 Jul 2018	A. McComb
	J503361	19 Sep 2014	H. Taggart
	J503361	23 Aug 2018	A. McComb
	J505360	19 Aug 2012	J. Harron
	J505360	02 Jul 2019	A. McComb
	J50533607	03 Jul 2018	G.V. Day
Killough	J5435	07 Aug 2018	J. Kearney
Ballyhornan	J59984272	03 Jul 2006	G.V. Day & J.D. Nunn
	J59984272	15 Aug 2015	BNFC
	J59984272	19 Sep 2021	G.V. Day & J.D. Nunn
Portavoe - large patch	J5781	1966-1975	J. Harron
Ballywilliam, 2km north-west of Donaghadee	J5781	1966	J. Harron
Foreland Point	J58718092	05 Jun. 2022	G.V. Day & J.D. Nunn
South Bay, Ards Peninsula (apparently extinct by 1920, R.Ll. Praeger)	J6348	1902	S.A. Moore
	J6348	1905	C.H. Waddell
	J6348	1913	S.A. Bennett
South Bay Point	J63494849	26 Jul 2022	G.V. Day & J.D. Nunn
between Quintin Castle and Knockinelder, Ards Peninsula on waste ground	J6351	1874	J. O'Laverty
	J6351	25 Jun 1876	S.A. Stewart

Location	Grid Ref.	Date	Recorder
Kearney	J64845138	29 Jul 2019	J. Kirk
	J64915142	21 May 2016	R. Anderson
	J64925137	2013	B. Hamill & K. Keys
	J64925137	10 May 2009	G.V. Day
	J64925137	16 Aug 2014	BNFC
	J64925137	31 Jul 2020	G.V. Day & J.D. Nunn
	J649513	12 May 2012	R. Holme
	J649516	13 Aug 2017	G.V. Day & J.D. Nunn
	J64965184	16 Aug 2013	J. Kirk
	J6451	25 Sep 2022	G.V. Day & J.D. Nunn
	J650516	14 May 2017	A. O'Doherty
	J6451	22 Sep 2023	G.V. Day & R. Ridley

***Cochlearia officinalis* Linnaeus ssp. *scotica* (Druce) P.S. Wyse Jacks.**

Scottish Scurvygrass

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **not listed**Local: **Uncategorised**Last seen: **2021****N.I. Priority Species March 2004****N.I. Species of Conservation Concern March 2004**

A native subspecies that grows in stony coastal situations and on the upper parts of saltmarshes. This taxon is part of a complex, and it may be overlooked because of difficulties in identification. It was first recorded in 1935 and has a widespread distribution. The county population of this species is probably at low risk because its habitat is unlikely to change. The number of records exceeds the criteria for inclusion.

***Teesdalia nudicaulis* (Linnaeus) W.T. Aiton**

Shepherd's Cress

Euro.: **not listed** N.I.: **WO**Ir.: **RDB Endangered**Brit.: **RDB Near Threatened**Local: **1**Last seen: **2023****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A rare small native annual of sand dunes, adventive elsewhere. It was first found in 1899 and has declined, there being no recent records from Ballykinler. It is now confined to the National Nature Reserve at Murlough where it is protected. The county population, while small, appears to be at low risk.

Location	Grid Ref.	Date	Recorder
sandy waste, Lambeg near bleach grounds-extinct by 1938 <i>Praeger & Megaw</i> 1938	J26	1899	J.H. Davies
Newcastle - garden weed	J3731	1957	A.W. Stelfox

Location	Grid Ref.	Date	Recorder
Murlough NNR & ASSI (dunes)	J404385	1932	C.D. Chase & C.R. Nodder
	J33	1954	E.N. Carrothers & J.McK. Moon
	J4134	1954-1956	D. Linton & M.E.S. Morrison
	J33/43	1963	J.S. Pate
	J33/43	1967	J.R. Pilcher
	J33 or J43	1975	S. Beesley
	J404385	1985	J.W.D. Semple & A.G. Hill
	J3933	24-25 May 1988	Habitat Survey Team, EHS
	J394335	12 May 1991	E. Porter & I. Crawford
	J395334	12 May 1991	E. Porter & I. Crawford
	J399338	13 May 1991	E. Porter & I. Crawford
	J399341	14 May 1991	E. Porter & I. Crawford
	J401339	14 May 1991	E. Porter & I. Crawford
	J401340	14 May 1991	E. Porter & I. Crawford
	J406345	11 Jun 1991	E. Porter & I. Crawford
	J408347	15 May 1991	E. Porter & I. Crawford
	J410348	16 May 1991	E. Porter & I. Crawford
	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
	J4133	21 May 1992	J.A. Lister
	J410346	06 Jun 1996	W.E. Harrison & J. Harron
	J397337	10 Jun 2001	G.V. Day
	J395332 J398335 J402339	18 May 2003	BSBI
	J40983458	14 May 2004	G.V. Day & J. Harron
	J41083460	14 May 2004	G.V. Day & J. Harron
	J41083461	14 May 2004	G.V. Day & J. Harron
	J3933	13 Jun 2004	G.V. Day
	J402339	17 Apr 2006	G.V. Day
	J40563441	7 Jun 2008	BNFC
	J40613426	7 Jun 2008	BNFC
	J40993471	7 Jun 2008	BNFC
	J4134	22 Jun 2008	R.M. Walls
	J40553440	5 Apr 2009	G.V. Day
	J396333	25 Apr 2011	R. Anderson
	J40663423	11 May 2014	G.V. Day
	J40733421	11 May 2014	G.V. Day
	J4034	27 May 2014	B. Hamill & A. Crory
	J39483339	13 Sep 2014	BSBI
	J40593422	29 Apr 2017	R. Anderson
	J4135	16 Jul 2018	J. Whatmough
	J40103386	24 May 2019	J. Whatmough
	J40193408	24 May 2019	J. Whatmough
	J40153410	24 May 2019	J. Whatmough
	J39473339	30 Jul 2019	J. Whatmough
	J39513335	30 Jul 2019	J. Whatmough
	J40223398	18 May 2022	G.V. Day

Location	Grid Ref.	Date	Recorder
Murlough NNR & ASSI (dunes)	J39783397	25 May 2023	G.V. Day & J.D. Nunn
Murlough House	J414351	1932	C.D. Chase & C.R. Nodder
	J4135	21 May 1992	M. Flatt
Ballykinler - sandy field	J4235	1902	R.Ll. Praeger
	J4235	1914	N. Carrothers

SANTALACEAE

Viscum album Linnaeus

Mistletoe

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2016**

An introduced species that has been recorded once only.

Location	Grid Ref.	Date	Recorder
The Outlet, Banbridge	J121439	09 Sep 2016	A. Higgins

PLUMBAGINACEAE

Limonium procerum (C.E. Salmon) Ingrouille ssp. *procerum*

Rock Sea-lavender

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **1**N.I.: **WO**Brit.: **RDB Waiting List**Last seen: **2018****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

This rare native perennial taxon was first recorded in 1902 at one short stretch of shore where it is abundant. This site is on the rock ledges of an almost vertical shale rock face, associated with *Plantago maritima*, at a headland north of Ardglass at Benboy. The cliff is protected at this point by a narrow 'island' of parallel rock that stands only a few metres away from the main cliff with a narrow gully between. The main cliff is composed of more or less vertical strata and is subject to frequent fragmentation. This population appears stable and is at low risk as the habitat is unlikely to be changed. A record from Ghann River is probably an error, as the plant has not been refound and the habitat is unsuitable.

Location	Grid Ref.	Date	Recorder
Legnaboe, Sheepland More, 2km NE of Ardglass	J5840	1902	R.Ll. Praeger
	J5840	1906	R.Ll. Praeger
	J5840	16 May 1970	J. Harron
	J588401	1973	J. Harron
	J5840	30 Aug 1985	P. Hackney
	J5840	28 Aug 1991	P. Hackney
	J5840	26 Apr 2000	P. Hackney & G.V. Day
	J58684000	25 Jul 2000	P. Hackney & G.V. Day
	J586400	27 May 2006	BSBI
	J58694005	05 Aug 2018	BSBI

POLYGONACEAE

Persicaria minor (Huds.) Opiz
Small Water-pepper

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2013**

An annual found in marshy areas beside ponds, loughs and water courses. It was first recorded by Templeton in 1807, and has a distribution through the centre of the county and by Lough Neagh. It is declining and is vulnerable to further losses due to agricultural intensification and eutrophication.

Location	Grid Ref.	Date	Recorder
Lough Shark	J069413	23 Sep 1972	J. Harron
Ellis's Gut, Lough Neagh	J0762	1969	J. Harron
Shan Port, Lough Neagh	J079637	20 Sep 1971	J. Harron
South of Ellis's Gut	J083629	08 Aug 1970	J. Harron
Shoreline at Annaghdroghal, Lough Neagh	J083629	18 Aug 1997	J. Harron
Annaghdroghal, Lough Neagh	J0863	1969	J. Harron
Lough Brickland	J1141	1937	R.Ll. Praeger
Corbet Lough, 3km E of Banbridge	J178448	02 Sep 1973	J. Harron
Skillyscolban Lough	J187497	19 Sep 1977	J. Harron
Lough Aghery	J292536	1937	R.Ll. Praeger
	J292537	20 Aug 1991	J. Harron
Begny Lake	J309495	26 May 1989	J. Harron
	J309495	07 Oct 2012	G.V. Day
McAuley's Lake	J366483	1886	R.Ll. Praeger
Lough Erne	J325564	09 Sep 1983	J. Harron
	J325567		
	J323567	29 Sep 2013	J. Harron
Bow Lough	J3557	07 Oct 2012	G.V. Day
	J358576	06 Aug 2000	J. Harron
Lough Henney	J3558	1910	S.A. Stewart
	J346583	02 Sep 1982	J. Harron
Monlough (lake)	J392644	1910	S.A. Stewart
Pollramer Lough	J404496	22 Aug 1988	J. Harron & W.E. Harrison
Hollymount NR, Quoile	J4743	1893	C.H. Waddell
	J4743	1898	C.H. Waddell
Ballygowan area	J46	1807	J. Templeton
Magherascouse Lough	J442643	13 Aug 1986	J. Harron
	J4464	1893	S.A. Stewart
Clandeboy Lake, Clandeboy Estate	J4879	1886	R.Ll. Praeger
Delamont House	J5150	30 Jul 1997	P. Hackney & G.V. Day

Persicaria mitis (Schrank) Opiz ex Assenov Euro.: **not listed**
Tasteless Water-pepper Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2013**

An annual found in marshy areas beside ponds, loughs and water courses. It was first recorded in 1969, and D.A. Webb considered this species to be a recent introduction to Ireland, perhaps during World War II. It is also considered that the species may have expanded in the late 1950s when the water levels of Lough Neagh were lowered, providing additional sandy ground suitable for this species (J. Harron pers. comm.).

Location	Grid Ref.	Date	Recorder
Cusher River, on boundary with Co. Armagh	J0450	1980	P. Hackney
Annaghdroghal, Lough Neagh	J079636	20 Sep 1971	J. Harron
	J079639	18 Aug 1997	J. Harron
	J079636	14 Aug 2004	J. Harron
	J0863	1969	J. Harron conf. D.A. Webb
	J081631	21 Aug 2013	J. Harron & I. McNeill
Derryleckagh Lake	J128252	19 Jul 2013	J. Harron & I. McNeill
Carryduff	J36	30 Sep 1992	S. Beesley & J. Wilde
Lough Mann	J415499	17 Jul 1989	N.I. Lake Survey
Heron Lough, north-east of Lough Mann	J410502	17 Jul 1989	N.I. Lake Survey

DROSERACEAE

Drosera anglica Huds.
Great Sundew

Euro.: **not listed**
Ir.: **RDB Least Concern**

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1894**

Local: **Extinct**

A remarkable native insectivorous perennial plant characteristic of wetter parts of blanket and raised bogs. It was recorded in 1808 '*going to the mountains*' from Kilkeel, with *D. intermedia* and *D. rotundifolia* (J. Templeton's journal), but not seen since. It was also recorded on the Ards Peninsula at Cotton Moss in 1794 and up to 1894 when it was exterminated by turf-cutting.

Location	Grid Ref.	Date	Recorder
'going to the mountains from Kilkeel'	J31	19 Aug 1808	J. Templeton
Cotton Moss	J5379	1794	J. Templeton
	J5379	1894	J. Darragh

Drosera intermedia Hayne
Oblong-leaved Sundew

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **pre-1938**

A remarkable native insectivorous perennial plant that is characteristic of very wet places on bogs where it may form floating mats on the surface of pools. It was first noted in the county at the Silent Valley in 1808 and before 1820 was growing at Castlereagh. It was common at both sites. No doubt J. Templeton's first station is now submerged by the Silent Valley reservoir. The loss of this species draws attention to the continuing destruction of bogs and marshy areas through turf-cutting, drainage, dumping and development throughout the county.

Location	Grid Ref.	Date	Recorder
Silent Valley, Mourne Mountains	J3020	19 Aug 1808	J. Templeton
Silent Valley, Mourne Mountains - pools by Kilkeel River at foot of Slieve Bingian - site submerged under reservoir	J3020	pre-1890	S.A. Stewart & R.Ll. Praeger
Silent Valley Reservoir (Gate House)	J3020	1921	BNFC & S.A. Bennett
Colligan Bridge, Kilkeel River	J309205	pre-1890	S.A. Stewart & R.Ll. Praeger
	J3020	1935-1937	R.Ll. Praeger
Birky Moss, Castlereagh	J37	pre-1820	J. Templeton

CARYOPHYLLACEAE

Arenaria leptoclados (Reichb.) Guss.

Slender Sandwort

Euro.: **not listed**Ir.: **not listed**

Local: 1

N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2018**

A small native annual first recorded before 1863. This occurred in well-drained open sites including walls, sand dunes, cultivated, bare and waste ground, often near the coast. It had greatly declined before 1900 but has been seen twice in recent years.

Location	Grid Ref.	Date	Recorder
Newtownbreda, Belfast	J3569	1867	H. Robinson det. P. Hackney
	J3569	1871	H. Robinson det. P. Hackney
Strandtown, Belfast (incorrectly as ssp. <i>serpyllifolia</i> in <i>Stewart & Corry 1888</i>) <u><i>This record requires confirmation</i></u>	J3774	pre-1863	R. Tate
Knock, Belfast (incorrectly as ssp. <i>serpyllifolia</i> in <i>Stewart & Corry 1888</i>) <u><i>This record requires confirmation</i></u>	J3873	pre-1863	R. Tate
Belmont (incorrectly as ssp. <i>serpyllifolia</i> in <i>Stewart & Corry 1888</i>) <u><i>This record requires confirmation</i></u>	J3874	pre-1863	R. Tate
Comber Station	J4569	1920	S.A. Bennett & C.D. Chase det. P. Hackney
Comber - roadside wall of farm	J4669	1906	C.H. Waddell det. P. Hackney
Hollywood	J4079	c. 1878	T.H. Corry det. F.H. Perring
Killough Bay	J5435	1898	J.H. Davies
	J5435	1935-1937	R.Ll. Praeger
on seawall by Nugent's Wood, Portaferry	J5851	5 Jun 2010	G.V. Day
Groomsport, Belfast Lough - sandy field	J5383	1868	S.A. Stewart det. P. Hackney
Benderg Bay: cliffs	J60514322	19 May 2018	R. Anderson

Sabulina verna (L.) Rchb.

Spring Sandwort

Euro.: **not listed**Ir.: **not listed**

Local: 1

N.I.: **not listed**Brit.: **RDB Near****Threatened**Last seen: **1991**

A rare, inconspicuous spring-flowering perennial that has been recorded once. It usually occurs on base-rich substrates in open situations and was probably introduced at this site.

Location	Grid Ref.	Date	Recorder
Quoile Pondage	J500478	25 Jun 1991	NIEA

Stellaria pallida (Dumort.) Crép.
Lesser Chickweed

Euro.: **not listed**
Ir.: **not listed**
Local: **2**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A rare inconspicuous spring-flowering native annual found in open sandy areas and in man-made habitats on the outer Ards Peninsula. The population is small and is likely to be vulnerable. It was absent from the Cloghy station in 2021 after major works in the car park.

Location	Grid Ref.	Date	Recorder
Ballyholme dunes	J58	1878	T.H. Corry det. P. Hackney, 2003
Portaferry in roadside gutter.	J5950	22 Apr 2021	G.V. Day
Ballywalter on harbour defences.	J6269	16 May 2021	G.V. Day
Ballywalter Beach, The Long Sand - plentiful over rabbit-grazed and heavily trampled dune remnants - forming patches which look perennial. Looked for in 2006, but not found.	J633676	06 Jul 1992	J. Harron
Cloghy Bay dunes, Ards Peninsula – frequent in 2006. Not found after 2019.	J6457	17 Apr 1984	P. Hackney
	J64245735	23 Apr 2006	G.V. Day
	J64245725	12 Apr 2009	G.V. Day
	J64235737	16 Apr 2010	G.V. Day
	J64235734	03 Apr 2011	G.V. Day
	J64955750		
	J64215733	02 May 2017	G.V. Day
Ballyhalbert, Ards Peninsula	J64205734	31 Mar 2019	G.V. Day
	J65946320	13 Apr 2010	G.V. Day
	J65906316	09 May 2021	G.V. Day

Stellaria palustris Retz.
Marsh Stitchwort

Euro.: **not listed**
Ir.: **not listed**
Local: **1**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2008**

A rare attractive perennial plant of marshes and fens. It was first found at Loughkeelan, now an ASSI, by R.Ll. Praeger in 1902, who attributed its presence at this single site to the lime-rich glacial drift of the Ardglass area. This site is managed for conservation and the species appears to be at low risk.

Location	Grid Ref.	Date	Recorder
Loughkeelan: wet marsh	J5645	Jul 1902	R.Ll. Praeger
	J5645	19 Jun 1921	C.D. Chase & S.A. Bennett
	J563453	1981	R.S. Weyl & R.J. Bleakley
	J5645	1982	R.S. Weyl & R.J. Bleakley
	J563453	21 Aug 1989	N.I. Lake Survey
	J563453	26 Jul 1990	Habitat Survey Team, EHS
	J563453	07 Aug 1990	Habitat Survey Team, EHS
	J563453	1994	Fenbase Survey
	J56034507	03 Jul 2002	G.V. Day & J. Harron
	J56034507	29 Jun 2008	G.V. Day

Cerastium arvense Linnaeus
Field Mouse-ear

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1943**

A native perennial found on dry sandy and gravelly banks. It was found at Castle Espie and Ringneill House in 1943 and from Greencastle in the same year, but R.Ll. Praeger disallowed the latter record. This species has not been refound and is extinct in the county.

Location	Grid Ref.	Date	Recorder
Castle Espie	J4967	1943	E.N. Carrothers
sandy bank, roadside, Ringneill House, Strangford Lough	J5065	1943	Mrs Stevenson

Cerastium semidecandrum Linnaeus
Little Mouse-ear

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A scarce small native annual of well-drained coastal sandy ground. It was first recorded before 1833 at Greencastle Bay and appears to have declined, perhaps because of development. The county population still appears to be widespread and is probably at low risk because most of the remaining sites are unlikely to be developed.

Location	Grid Ref.	Date	Recorder
Greencastle	J2411	17 Apr 2016	G.V. Day
Greencastle Bay, Carlingford Lough	J2512	pre-1833	Unknown
Annalong	J3719	1898	J.H. Davies
Newcastle	J3731	1878-1894	S.A. Stewart, T.H. Corry & C.H. Waddell
	J3831	1894	C.H. Waddell
Murlough NNR	J3933	24-25 May 1988	Habitat Survey Team, EHS
	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
	J3933	10 Jun 2001	G.V. Day
	J3933	13 Jun 2004	G.V. Day
	J39493368	30 Jul 2019	J. Whatmough
	J4033	25 Jul 2019	J. Whatmough
	J406345	11 Jun 1991	E. Porter & I. Crawford
	J40983459	31 Jul 2019	J. Whatmough
	J40983459	27 Jun 2019	J. Whatmough
	J4038	1878-1894	S.A. Stewart, T.H. Corry & C.H. Waddell
	J41023492	22 Jul 2019	J. Whatmough
	J41093441	07 Jun 2008	BNFC
	J41083443	14 May 2004	G.V. Day & J. Harron
Belfast Harbour Estate	J38257836	29 Sep 2002	G.V. Day
Murlough House	J4135	21 May 1992	M. Flatt
Ballykinler MoD	J4135	03 Jul 2015	G.V. Day
Tyrella	J4636	27 Apr 2014	G.V. Day, P. Hackney, M. Marshall & S. Mulvaney
	J47133613	22 Jun 2002	G.V. Day
	J47353629	29 May 2018	G.V. Day
Ballyhornan	J59284202	27 May 2006	G.V. Day

Location	Grid Ref.	Date	Recorder
Horse Island, Strangford Lough	J5960	08 Aug 2000	G.V. Day
Gransha, Strangford Lough	J5960	11 Aug 2000	G.V. Day
Black Neb, Fish Quarter, Strangford Lough	J5961	08 Aug 2000	G.V. Day
Millisle sea front, Ards Peninsula	J5979	1916	S.A. Bennett
	J5979	1922	S.A. Bennett
Ballyholme Bay, Bangor	J511820	06 May 1871	S.A. Stewart
Ballyholme, Bangor	J5282	1870s	S.A. Stewart & T.H. Corry
Killard NR, Strangford Lough	J6043	05 May 1979	P. Hackney
	J606434	22 Apr 1992	R. Anderson
	J6043	04 Jun 2005	G.V. Day
	J6043	02 May 2008	G.V. Day
Millisle	J6075	29 Apr 2011	G.V. Day
Cloghy Bay, Ards Peninsula	J6456	1903	R.Ll. Praeger
Cloghy, Ards Peninsula	J6457	24 Sep 2000	G.V. Day

Scleranthus annuus Linnaeus *sensu lato*
Annual Knawel

Euro.: **not listed**

N.I.: **not listed**

Ir.: **FPO; RDB Vulnerable**

Brit.: **RDB Endangered**

Local: **1**

Last seen: **2011**

N.I. Species of Conservation Concern March 2004

N.I. Priority Species 2023

A rare tiny annual of dry soils, first recorded before 1833, and once scattered over the eastern part of the county and around the coast. Now greatly diminished with only three records since 1950. The county population of this species is critically endangered.

Location	Grid Ref.	Date	Recorder
Shan Port, Lough Neagh	J078638	1946	J.McK. Moon
Rostrevor	J1718	pre-1888	S.A. Stewart
Cranfield, Carlingford Lough	J21	Aug 1956	D.A. Coult
White Water at Ballymagart Td, Mourne Mountains	J271146	27 Jun 2011	J. Harron
Hillsborough	J2458	pre-1888	S.A. Stewart
Kilkeel	J3014	pre-1833	Unknown
Annalong	J3719	1890	R.Ll. Praeger
Glasdrumman Port	J3822	1950	M.P.H. Kertland
Castlewellan (town)	J3436	pre-1888	S.A. Stewart
Newcastle Bay	J3730	Aug 1896	C.H. Waddell
Newcastle	J3731	pre-1888	S.A. Stewart
Boardmills	J3459	1946-1948	BNFC
Ballynahinch	J3652	pre-1888	S.A. Stewart
Lisbane, 2.5km west of Saintfield	J3759	Aug 1902	H.W. Lett & C.H. Waddell
Lisdalgan (Lisdalgin) near Saintfield	J3959	Sep 1903	C.H. Waddell
Giant's Ring, Edenderry	J3267	1878	T.H. Corry
Newtownbreda, Belfast	J3569	22 May 1871	S.A. Stewart
Strandtown, Belfast	J3774	pre-1863	R. Tate
Sydenham, Strandtown	J3775	1871	H. Robinson
	J3775	31 May 1871	S.A. Stewart
Knock, Belfast	J3873	pre-1863	R. Tate
Belmont	J3874	pre-1863	R. Tate
Kinnegar	J3978	1902	R.Ll. Praeger
Dundrum	J4038	pre-1888	S.A. Stewart

Location	Grid Ref.	Date	Recorder
Crossgar	J4452	12 Jul 1899	R. Hanna
	J4452	1946-1948	BNFC
Dundonald - newly opened gravel pit	J4277	1927	C.D. Chase
Ardglass	J5537	1902	R.Ll. Praeger
Lecale - frequent	J54	pre-1902	R.Ll. Praeger
Killinchy	J5060	1946-1948	BNFC
Greyabbey Town	J5767	Oct 1917	S.A. Bennett
	J5767	1917-1918	C.H. Waddell
Kircubbin, Strangford Lough	J5962	Jul 1918	S.A. Bennett
Ballybryan, south of Greyabbey - colony on bared soil on sloping pasture in rocky ground	J593668	17 Jul 1992	J. Harron
Drumawhy, 2.5km east of Newtownards	J5475	pre-1923	W.R. Megaw
Lough Doo	J6155	Jul-1919	S.A. Bennett & C.D. Chase

Spergularia rubra (L.) J. & C. Presl.
Sand Spurrey

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

A rare native annual, first recorded in 1902 and found in open sandy or gravelly habitats including railway and forestry tracks. It has not been refound at any of the early stations, and is unlikely to be still at Lough Island Reavy because the water level has been raised. The county population has declined, and is vulnerable.

Location	Grid Ref.	Date	Recorder
between Banbridge and Laurencetown	J0948	1902	J.H. Davies
south end of lough 0.8km north-east of Narrow Water House, south-east of Newry	J12	1935	R.Ll. Praeger
Knockiveagh	J18353709	08 Jun 2023	G.V. Day
railway at Lenaderg	J1148	1902	J.H. Davies
Tullyframe Td, Mourne Mountains	J2618	30 Aug 2011	J. Harron
forestry tracks, Upper Kilbroney, Mourne Mountains – not found here in 2007	J217222	21 Aug 2002	G.V. Day & J. Harron
Lough Island Reavy, abundant on shores	J2934	Jul 1890	S.A. Stewart & R.Ll. Praeger
Lough Island Reavy	J2934	27 Jul 1919	S.A. Bennett & C.D. Chase
Lough Island Reavy, one plant at west corner	J292346	02 Aug 1989	J. Harron
Castlewellan Forest Park – path in front of greenhouses	J335372	17 Oct 2004	G.V. Day
Murlough NNR	J3933	13 Sep 2014	BSBI
	J395337 J39643374	20 Apr 2017	A. O'Doherty
St. John's Point	J5233 or J5234	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple

Agrostemma githago Linnaeus
Corn Cockle

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Extinct in Wild; WCA**
Last seen: **2019**

An attractive archaeophyte formerly common in cereal fields on sandy soil, but improved seed-cleaning techniques have probably rendered it extinct in the wild. It had declined considerably even by 1938 and may now only be found after sowing of wild-flower seed mixtures.

Location	Grid Ref.	Date	Recorder
Waringstown, 1km south-east of Lurgan	J1055	05-06 Sep 1999	L. Greeves & I. Rippey
Killowen Mountains Td, east of Rostrevor	J2017	pre-1890	S.A. Stewart & R.Ll. Praeger
Halftown Road, Lisburn – seed mix	J234619	05 May 2016	G.V. Day
McIlroy Park, Ballyskeagh	J28956699	13 Jul 2017	S. Belshaw
Maggy's Leap, Ballaghanery Upper Td	J3828	pre-1890	S.A. Stewart & R.Ll. Praeger
Castlereagh	J3771	pre-1888	Unknown
Tillysburn Nature Park, Knocknagoney	J3876	17 Jul 2010	G.V. Day
Comber	J4669	1913	S.A. Bennett
Holywood	J4079	pre-1888	Unknown
Ballymenoch Park, Holywood – seed mix	J408795	18 Oct 2008	G.V. Day
Newtownards	J4974	1864	J. Darragh
Fort Road car park and Grey Point road – seed mix	J4582	13 Oct 2019	G.V. Day, J.D. Nunn, P. Hackney, V. Macartney, M. Marshall
Killough	J5336	1908	W.J.C. Tomlinson
Clay Lough, Killyleagh	J5155	1891	C.H. Waddell
Mount Stewart Wild Flower Field – seed mix	J548701	28 Aug 2018	G.V. Day & J.D. Nunn
Castle Park, Bangor	J5080	05 Aug 2003	BNFC
Bangor District	J5182	1878	T.H. Corry
Groomsport, Belfast Lough	J5383	1873	S.A. Stewart
Orlock, 2km east of Groomsport	J5583	pre-1888	Unknown
Ballyquintin Point ASSI, Strangford Lough	J623456	02 Sep 1991	E. Porter & I. Crawford

Silene gallica Linnaeus
Small-flowered Catchfly

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **Extinct**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Endangered**
Last seen: **1915**

An attractive archaeophyte with a scattered distribution, usually found around cereal fields on light soils, but is now extinct.

Location	Grid Ref.	Date	Recorder
Greencastle	J21	1873	S.A. Stewart
Mill Bay, Carlingford Lough	J2512	11 Aug 1873	S.A. Stewart
Newcastle	J33	1874	R.P. Vowell
Moneycarragh River	J33	Aug 1879	C. Dickson
Glasdrumman village	J3722	- 1923	Unknown
Stranmillis Road, Belfast	J37	1915	M.N. Hamilton

Silene noctiflora Linnaeus
Night-flowering Catchfly

Euro.: **not listed**
Ir.: **RDB Extinct**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **pre-1996**

An attractive archaeophyte with a scattered distribution, usually found around cereal fields on light soils. It may now only be found after sowing of wild-flower seed mixtures. There are ten records from Down, those pre-1923 from *Hackney, P. 1992 (ed.)*. These and most of the later ones lack important detail. However, the species is endangered, if not extinct in wild situations in Down.

Location	Grid Ref.	Date	Recorder
Newcastle, nr	J33	- 1995	R. McNeill
Drumbeg Td	J3066	- 1923	Unknown

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J3574	- 1923	Unknown
Hollywood	J37	1886	Unknown
Saintfield	J4059	- 1923	Unknown
Hollywood	J4079	- 1923	Unknown
Near Newcastle	J48	1970	Unknown
Co. Down	J48	- 1996	Unknown
Ballymagee Td, Bangor	J5280	- 1923	Unknown

AMARANTHACEAE

Oxybasis rubra (L.) S. Fuentes, Uotila & Borsch

Red Goosefoot

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **Uncategorised**Last seen: **2018**

A native annual that was first recorded in 1799 at Ballyhalbert townland. It is mostly a casual of waste, nutrient-rich places, usually near the coast. It has been recorded around Belfast Lough, Strangford Lough, the Ards Peninsula and Murlough. The population of this species has increased and no longer fits the local assessment categories.

Blitum bonus-henricus (L.) Rchb.

Good-King-Henry

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Vulnerable**Brit.: **RDB Vulnerable**Local: **Extinct**Last seen: **1990**

An archaeophyte perennial, usually found near habitations in nutrient-rich ground. This perennial ruderal has decreased and is probably extinct.

Location	Grid Ref.	Date	Recorder
Cregagh, Belfast	J3673	1932	C.D. Chase
St. John's Point, 2km south of Killough	J53	1957	BSBI
Orlock Point – absent now	J5583	14 Jul 1990	T. Waterman

Salicornia disarticulata Moss

One-flowered Glasswort

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **Extinct**Last seen: **1905**

A native annual usually found on the drier parts of saltmarshes. It was recorded twice in the 1900's and is presumed extinct.

Location	Grid Ref.	Date	Recorder
Killough	J53	1902	C.H. Waddell
Portaferry	J55	Sep 1905	C.H. Waddell

Salicornia dolichostachya Moss

Long-spiked Glasswort

Euro.: **not listed**N.I.: **not listed**Ir.: **Waiting List**Brit.: **RDB Least Concern**Local: **Data Deficient**Last seen: **2022**

A native annual usually found on the lower parts of saltmarshes. It was recorded in 1961 and has been overlooked until recently. Further work is needed to establish the size of the population. However, it appears to be at little risk.

Location	Grid Ref.	Date	Recorder
Castle Espie	J46	01 Oct 1961	I.K. Ferguson
Anne's Point	J5568	28 Aug 2022	G.V. Day
		22 Sep 2023	G.V. Day & R. Ridley
Mahee Island	J56	01 Oct 1961	I.K. Ferguson
Horse Island	J5960	29 Aug 2022	G.V. Day
		22 Sep 2023	G.V. Day & R. Ridley

Salicornia emerici Duval-Jouve
Shiny Glasswort

Euro.: **not listed**
Ir.: **Waiting List**
Local: **Data Deficient**

N.I.: **not listed**
Brit.: **RDB Data Deficient**
Last seen: **2022**

A native annual usually found on the middle and upper parts of saltmarshes. It has only been recorded once. Further work is needed to establish the size of the population. However, it appears to be at little risk.

Location	Grid Ref.	Date	Recorder
Horse Island	J5960	29 Aug 2022	G.V. Day det. P. Green

Salicornia fragilis P.W. Ball & Tutin
Yellow Glasswort

Euro.: **not listed**
Ir.: **Waiting List**
Local: **DD**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A native annual usually found on the lower parts of saltmarshes. Further work is needed to establish the size of the population. However, it appears to be at little risk.

Location	Grid Ref.	Date	Recorder
Newry River at Narrow Water Castle	J1219	07 Oct 2018	G.V. Day
Greencastle (N of), Carlingford Lough	J244121	07 Oct 2018	G.V. Day
Dundrum Bay	J43	15 Sep 1962	I.K. Ferguson
Castle Espie	J46	01 Oct 1961	I.K. Ferguson
Comber River	J46	01 Oct 1961	I.K. Ferguson
Island Taggart	J55	02 Oct 1961	I.K. Ferguson
Anne's Point, Strangford Lough	J5568	18 Oct 2020	G.V. Day
		28 Aug 2022	G.V. Day
		22 Aug 2023	G.V. Day & R. Ridley
Mahee Island	J56	01 Oct 1961	I.K. Ferguson
Greyabbey Bay	J57446791	26 Sep 2017	G.V. Day
Horse Island, Strangford Lough	J5960	11 Oct 2020	G.V. Day
		29 Aug 2022	G.V. Day
		22 Sep 2023	G.V. Day & R. Ridley

Salsola kali Linnaeus
Prickly Saltwort

Euro.: **not listed**
Ir.: **not listed**
Local: **2**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2019**

A scarce native annual found on disturbed sandy and gravelly substrates by the sea. *Salsola kali* (previously *Salsola kali* ssp. *kali*) and *Salsola tragus* (previously *S. kali* ssp. *ruthenica*) have both occurred in county Down. Some workers did not differentiate between the subspecies, but the majority of records from county Down are probably *S. kali*. This species may be subject to losses due to coastal erosion and climate change.

Location	Grid Ref.	Date	Recorder
Murlough NNR	J409346	09 Aug 2016	C. Cochrane
	J4134 J4135	07 Aug 2018	A. McComb
	J41363457 J416352	10 Jun 2018	G.V. Day
Ballykinler dunes	J43	15 Jul 1997	I. McNeill & R. Irvine
Tyrella Area (unlocalised)	J471361	04 Jun 1992	J. Harron & W.E. Harrison
Killough	J5336	15 Sep 2019	G.V. Day & V. Macartney
Templecowey, Ards Peninsula	J627476	29 Jun 1990	J. Harron
Kearney Village, Ards Peninsula	J6551	26 Jul 2001	G.V. Day & W. Semple
The Long Sand, Ballywalter, Ards Peninsula	J6268	28 Oct 2018	G.V. Day
Ballywalter Village (unlocalised)	J6268	06 Jul 1992	J. Harron

MONTIACEAE

Claytonia perfoliata Donn ex Willd.
Springbeauty

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2015**

A neophyte that has occurred mostly around Belfast on public amenity land and gardens. It does not seem to have persisted at any of these sites.

Location	Grid Ref.	Date	Recorder
Good Shepherd Convent, Ormeau Rd, Rosetta, Belfast	J349713	2007	D. McNeill
Belfast	J37	21 May 1985	Unknown
Ashfield Boys High School, Belfast	J38147536	19 May 1994	J. Wilde
Knockburn Park	J39497387	19 Apr 2015	M. Wright
Stormont, Newtownards Road	J39547396	19 Apr 2015	M. Wright
Belfast	J4071	1976	I. McNeill
Ballyhaft Road, Loughries	J525727	17 Aug 2003	G.V. Day

Claytonia sibirica Linnaeus
Pink Purslane

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2015**

A neophyte that was first recorded in 1960 and has occurred around Belfast and on lighter soils in the east of the county.

Location	Grid Ref.	Date	Recorder
Malone Rd, Belfast	J3371	1960	S. Skillen
Knock, Belfast	J3873	1970	M.P. Kertland
Campbell College & Cabin Hill School, Belmont Road, Belfast	J391745	1985	J.G. Angus
Murlough NNR	J413352	13 Jun 1991	I. Crawford & E. Porter
	J4336	03 Jul 2015	S. Dunlop
Tyrella House, Ballykinler	J44823628 J44913603	23 May 2004	R. Birch
	J445362 J449360	12 Apr 2005	R. Ellis
Rosemount Estate, Greyabbey	J583679	01 Jun 2005	E. Jackson

PRIMULACEAE

Primula veris Linnaeus
Cowslip

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2021**

An attractive introduced perennial that has occurred in meadows, woods, amenity land and on railway embankments. The plant has now gone from some of its stations, but is a component of some wild flower seed mixtures and may also be planted. It appears to be increasing, and now exceeds the criteria for inclusion in the register.

Primula vulgaris Huds.
Primrose

Euro.: **not listed**
Ir.: **not listed**
Local: **Uncategorised**

N.I.: **WO**
Brit.: **not listed**
Last seen: **2023**

A locally frequent attractive native perennial that is included here because of its inclusion in Part 2 of Schedule 8 of the Wildlife Order 1985 as amended in 2011. It is usually found in shade on damp soils in woods, hedges and grassland. The population may be threatened by development and tidying up hedgerows and verges.

Hottonia palustris Linnaeus
Water-violet

Euro.: **Least Concern**
Ir.: **RDB Critically Endangered**
Local: **1**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2011**

A rare attractive perennial aquatic plant found in shallow water in ditches and pools, marshes and swampy woods. It is restricted to an area around Downpatrick and was first found by R. Kennedy in marshy ditches at Crossgar and shown by him to J. Templeton who noted it in his Journal for 7th June 1810. In 2011, at the only extant site, the Hollymount NNR, a small number of flowering stems were seen by BSBI members in a densely-wooded plantation. The population of this species has declined and is endangered. The county Down population has special significance as *Hottonia palustris* is very rare in Ireland and regarded as an introduction, or known to be one, at its other sites.

Location	Grid Ref.	Date	Recorder
Annacloy Bridge - sparingly	J4448	1937	R.Ll. Praeger
Lough Quarter, Quoile - in marsh drain	J452452	1950	E.N. Carrothers & R.C. Davidson
Swan Island, Quoile	J4544	1971-1987	EHS
Hollymount NR	J4743	1898	C.H. Waddell
	J4743	pre-1969	EHS
	J4743	1979	P. Hackney, R.S. Weyl & R.J. Bleakley
	J473436	22 May 1991	P. Corbett & K. Anderson
	J4743	14 Jun 1997	BSBI
	J46594381	05 Jun 2004	G.V. Day, A. Hill & A. Carter
	J46594376	05 Jun 2004	G.V. Day, A. Hill & A. Carter
	J46594379 J46604377	15 May 2011	G.V. Day, P. Hackney & R. Field
Hollymount - in ditches of alder swamp, 0.5 miles NW of NR	J44	1980	R.S. Weyl
Downpatrick	J44	1949	J.McK. Moon

Location	Grid Ref.	Date	Recorder
Downpatrick Marshes	J44	pre-1864	W.A. Ferguson
	J44	pre-1866	R. Oulton
Downpatrick Marshes - one plant in a ditch	J4743	1980	R.S. Weyl
Inch Abbey (shore and water margin)	J4745	pre-1864	F. Whitla
	J4745	1935-1937	R.Ll. Praeger
	J4745	1950	R.C. Davidson
Crossgar	J4452	07 Jun 1810	J. Templeton
	J4552	1894	C.H. Waddell
	J4552	1914	S.A. Bennett
	J4452	1921	S.A. Bennett
	J4552	1927	BNFC

***Lysimachia minima* (L.) U. Manns & Anderb.**

Chaffweed

Euro.: not listed

N.I.: not listed

Ir.: **RDB Near Threatened**Brit.: **RDB Near Threatened**

Local: 1

Last seen: **2007****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A tiny annual that grows in damp sandy and gravelly places, lough shores and dunes. It was mostly found to the west of Strangford Lough, but has only been seen once since 1966. It has greatly declined and is endangered.

Location	Grid Ref.	Date	Recorder
Kinnegar	unknown	pre-1938	<i>Praeger & Megaw 1938</i>
Ballygowan	unknown	pre-1938	<i>Praeger & Megaw 1938</i>
Newry	J02	pre-1937	Unknown
drained site of Ballymartin Lough, near Annalong	J3316	1890	R.Ll. Praeger
Ballagh Bridge, Crock Horn stream	J383250	15 Aug 2004	J. Harron
Newcastle	J33	pre-1938	<i>Praeger & Megaw 1938</i>
Monlough Lake	J3964	1807	J. Templeton
Murlough	J4134	pre-1888	S.A. Stewart
Downpatrick, by Quoile	J44	pre-1888	R.Ll. Praeger
Saintfield	J45	pre-1938	<i>Praeger & Megaw 1938</i>
Aughnadarragh Lough	J4459	1902	C.H. Waddell
Carrickmannan Lough	J4460	1880	S.A. Stewart
Magherascouse Lough	J4464	1886-1893	S.A. Stewart
Comber	J4669	1886	R.Ll. Praeger
Newtownards	J4974	1870	S.A. Stewart
	J47	1900	S.A. Stewart & C.H. Waddell
Finnabrogue (Quoile)	J5048	20 Aug 1966	BSBI
Kircubbin, Strangford Lough	J5962	1918	S.A. Bennett
Big Copeland Island	J5983	09 Aug 2003	J. Harron & G.V. Day
	J58978347 J59028341	28 Jul 2007	G.V. Day

ERICACEAE

Arbutus unedo Linnaeus
Strawberry-tree

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

This introduction is rarely found as a planted tree in arboreta or gardens. About seven trees have been seen amongst rhododendrons in Donard Park, a little way above Donard Bridge, on the left bank. One tree was almost horizontal with a trunk about 10 feet long and 1 foot in diameter and a good crown of branches when located in 1984. Mature plants are presumed to be 19th century planted specimens, with small plants being self-sown.

Location	Grid Ref.	Date	Recorder
Mourne Park House (woodland)	J27201593	22 Apr 2004	R. Birch
Donard Park, Newcastle	J371301	1984	P. Hackney
Donard Bridge, Glen River - at least 5 trees on left bank of stream, presumed Victorian plantings but looking very natural	J371301	23 Oct 1997	P. Hackney
Donard Bridge, Glen River - at least 6 trees on left bank of stream	J371301	2003	N. McKee
Donard Bridge, north bank, some with small fruit - 2 plants	J37123011	16 Apr 2004	G.V. Day & P. Hackney
Donard Bridge, north bank, some with small fruit - 1 plant	J37123012	16 Apr 2004	G.V. Day & P. Hackney
Donard Bridge, small plant 20cm	J37133015	16 Apr 2004	G.V. Day & P. Hackney
Donard Bridge, small plant <10cm	J37143017	16 Apr 2004	G.V. Day & P. Hackney
Donard Bridge, north bank, some with small fruit - 5 plants	J37203018	16 Apr 2004	G.V. Day & P. Hackney
Donard Park, Newcastle	J37163017	10 Aug 2013	G.V. Day
	J37193018		
	J37123009	13 May 2018	G.V. Day, L. Crawshaw & V. Macartney
	J37103008 J37183017	14 Jun 2022	G.V. Day & V. Macartney
Castle Ward Estate	J3730	29 Sep 2023	G.V. Day & R. Ridley
	J57225009	21 Apr 2013	G.V. Day & M. Marshall
	J5750	03 May 2023	G.V. Day & J.D. Nunn

Erica lusitanica Rudolphi
Portuguese Heath

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2021**

A naturalised perennial noted on a roadside bank at Newtownards.

Location	Grid Ref.	Date	Recorder
Old Belfast Road, Newtownards	J47497351	14 May 2021	G.V. Day conf. E.C. Nelson

Erica vagans Linnaeus
Cornish Heath

Euro.: **not listed**
Ir.: **RDB Critically Endangered**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**

Brit.: **RDB Near Threatened**
Last seen: **2023**

An introduced perennial, first noted at Murlough in 1899 and extinct at that site, but found planted at Silent Valley in 2023.

Location	Grid Ref.	Date	Recorder
Silent Valley	J3021	13 Jul 2023	G.V. Day conf. E.C. Nelson
Murlough sand dunes	J4134	21 Sep 1899	W. Swanston
	J43	1978	E.C. Nelson

Andromeda polifolia Linnaeus
Bog-rosemary

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **1927**

This attractive small native shrub was found on wet peat bogs near Newtownards. It was first recorded in 1794, but peat cutting has rendered it extinct in county Down.

Location	Grid Ref.	Date	Recorder
Cotton Moss - gone by 1938	J5379	pre-1863	R. Tate
	J5379	1866-1867	S.A. Stewart
	J5379	1878	T.H. Corry
	J5379	1884	S.A. Stewart
	J5379	1905	W.J.C. Tomlinson
	J5379	1908	W.J.C. Tomlinson
	J5379	1913-1914	S.A. Bennett & C.D. Chase
	J5379	1914	N. Carrothers
	J5379	1916	S.A. Bennett & A.W. Stelfox
Wolf Island Bog - gone by 1930s	J5379	1927	BNFC
	J5772	1794	J. Templeton
	J5772	1865	S.A. Stewart

Vaccinium oxycoccos Linnaeus
Cranberry

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A very local low-growing shrub of wet bogs. It was first recorded in the 1860s from several sites, now mostly destroyed, and has only been recorded at five stations since 1950. Of these, it may be extant at Cluntagh, where it was first found in 1990 and last seen in 2018. The site is a fragment of bog - a habitat much damaged and reduced in the county and is difficult to access. The second site, comprising tens of plants in an area of 3 x 10m, was found in a small bog by Butter Mountain in the Mourne in 2022. This station appears to have survived when ground around it had been cleared by burning. The continuing destruction of county Down bogs suggests that the species is destined for extinction unless active steps are taken to conserve these sites.

Location	Grid Ref.	Date	Recorder
Skillyscolban - abundant	J14	1956	J.S. Pate & B.E.S. Gunning
Skillyscolban Lough	J188498	1959	R.C. Davidson
Butter Mountain	J27562876	2022	G.V. Day & V. Macartney

Location	Grid Ref.	Date	Recorder
Cluntagh Bog near Lough Aghery	J295535	1990	I. Rippey
	J29835326 J29985309	31 May 2004	I. Rippey
	J29765332 J29825329	15 May 2010	I. Rippey
	J2953	18 May 2018	I. Rippey
bog near Glassdrumman	J32	1860s	M.J.B. Ward
Bloody Bridge, Bloody Bridge River	J389269	Aug 1985	A. Farr & R. Boyd
Birky Moss, Castlereagh	J37	pre-1864	G.C. Hyndman
Newtownards	J47	pre-1864	Unknown
bog near Bangor	J48 or J58	pre-1864	G. Dickie
marsh at Saul, 1km north-east of Downpatrick	J5045	1892	R.Ll. Praeger
	J5045	1959	R.C. Davidson
Greyabbey - bog worked out by 1888	J56	pre-1863	G.C. Hyndman
Cotton Moss	J5379	pre-1863	R. Tate
	J5379	1864	J. Darragh
Wolf Island Bog	J5772	1864	BNFC
Donaghadee	J58	pre-1864	W. Millen

***Pyrola media* Sw.**
Intermediate Wintergreen

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Extinct**
N.I. **Species of Conservation Concern March 2004**
N.I. **Priority Species 2023**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1981**

A small native evergreen plant of heaths, woods and plantations. This species has in the past been confused with *Pyrola minor*, and it is by no means certain yet that all the records of these two species have been correctly assigned. It was first recorded in 1744 at Scrabo Hill, and was restricted to the north-east of the county. It was last seen at Conlig in 1981, but is no longer present there. The site is now overgrown, and so it is likely to be extinct in the county.

Location	Grid Ref.	Date	Recorder
Moneygreer Bog, gone by 1888	J4462	1797	J. Templeton
Scrabo Hill	J4773	1744	Unknown
Helen's Tower, Conlig	J489774	1914	S.A. Bennett
Conlig Hill	J4976	1797	J. Templeton
	J4976	pre-1864	Unknown
	J4976	1915	S.A. Bennett
	J489761	Jun 1968	J. Harron & W.E. Harrison
	J489761	02 Jul 1981	J. Harron

***Pyrola minor* Linnaeus**
Common Wintergreen

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Extinct**
N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1966**

A rare small native evergreen plant of heaths, woods and plantations. It was first recorded in 1890 at Cairngaver Hill. Two main centres of population have been noted; in the north-east near Bangor and in the south-east at Tollymore Forest Park. It was last recorded at Tollymore in 1966 and has been searched for in the north-east of the county and not re-found. It is probably extinct in the county.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J3531	1893	E. Langtry
	J3531	1900	C.H. Waddell
Shimna or Tollymore River, Tollymore Park	J3331	1966	J. Harron
Barbican Gate, Tollymore Forest Park	J355328	pre-1895	H.W. Lett
Cairngaver Hill	J4576	1890	S.A. Stewart
	J4576	1920	S.A. Bennett & BNFC
	J4576	1935-1937	R.Ll. Praeger
Ursula's Wood, Clandeboye Estate	J471795	1946	R.D. Meikle
Clandeboye Estate - gone now	J4779	1950	Unknown det. P. Hackney
Conlig	J4976	1945, 1946	R.D. Meikle & M.P.H. Kertland

Hypopitys monotropa Crantz

Yellow Bird's-nest

Euro.: not listed

N.I.: WO

Ir.: RDB Near Threatened

Brit.: RDB Endangered

N.I. Species of Conservation Concern March 2004

N.I. Priority Species 2023

Formerly *Monotropa hypopitys* Linnaeus, the only county Down record, from Greyabbey (J5867) from before 1864, was considered by R.Ll. Praeger to be an error.

RUBIACEAE***Galium album*** Linnaeus

Hedge Bedstraw

Euro.: not listed

N.I.: not listed

Ir.: not listed

Brit.: RDB Least Concern

Local: 3

Last seen: 2022

An introduced perennial plant that is found on well-drained base-rich soils including scrub, grassland, lawns and roadsides. It was first recorded in 1893, and has never been common. It appears to be widely distributed through the county. Recent records suggest that the species has a stable, albeit very small, population and may be spreading in east Belfast.

Location	Grid Ref.	Date	Recorder
Kilmore House	J0962	1915	BNFC
Aghaderg Glebe - lawn	J1141	1897	H.W. Lett
	J1141	c. 1926	S.A. Bennett
Whitewater Bridge	J268152	14 Jun 2014	I. McNeill
Ballymacormick at Dromore - a patch in flower on hedge bank	J235543	17 Jul 1999	J. Harron
Annadale, River Lagan	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & J. Rutherford
Connswater area, Belfast	J3673	22 Apr 2018	G.V. Day & J.D. Nunn
	J3673	12 May 2019	G.V. Day, J.D. Nunn & V. Macartney
Comber Greenway at Ballyhackamore, Belfast	J37227323	26 Jun 2016	R. Anderson
Knock River basin	J376732	02 Jun 2019	G.V. Day, J.D. Nunn & V. Macartney
Tillysburn Nature Park	J3876	11 Aug 2001	BSBI
	J3876	17 Jul 2010	G.V. Day
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J391745	1946	C.D. Chase
Rowallane (National Trust) - lawn	J4057	1893	C.H. Waddell
	J4057	1897	C.H. Waddell
Glenmakieran House - old lawns of house	J419802	27 Mar 2002	S.A. Wolfe-Murphy

Location	Grid Ref.	Date	Recorder
Windmill Hill, Portaferry	J598505	23 Oct 2022	G.V. Day & J.D. Nunn
Killard, Strangford Lough - roadside - not re-found since, last visit 2004	J64	1980	R.S. Weyl
Ballyblack Road, Portaferry – seed mix component	J6050	02 Jul 2020	G.V. Day & J.D. Nunn

Galium boreale Linnaeus
Northern Bedstraw

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **pre-1938**

A native perennial plant found on damp ground on lough-shores. It has only been recorded once, and is now extinct in the county.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh - gone by 1992	J0862	pre-1938	R.Ll. Praeger

Galium sternerii Ehrend.
Limestone Bedstraw

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1907**

A native perennial plant that occurs in well-grazed grassland on base-rich substrates. It was recorded once and is now extinct in the county.

Location	Grid Ref.	Date	Recorder
Lenaderg near Banbridge, on a grassy bank on the Silurian rocks	J1148	1907	J.H. Davies det. K.M. Goodway

Galium uliginosum Linnaeus
Fen Bedstraw

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2001**

A scarce, straggly perennial plant that is found in base-rich marshes and fens. It was first recorded in 1993 when it was found at two sites, near Downpatrick and Newry. Earlier reports were dismissed as errors by Praeger. There are currently no voucher specimens in the National Museums Northern Ireland to support any records, so all records should be treated with caution.

Location	Grid Ref.	Date	Recorder
Rostrevor Forest	J1817	13 May 2001	BSBI
Greenan Lough	J11972336	11 Oct 1993	Fenbase Survey
	J119232	01 Aug 1996	Habitat Survey Team, EHS
	J119233	01 Aug 1996	Habitat Survey Team, EHS
Collins Bog	J38223876	27 Sep 1993	Fenbase Survey det. M. Dixon
Killavees North fen	J51034492	30 Aug 1993	Fenbase Survey det. M. Bailey
Dibney River, Killyleagh	J55	05 Mar 1972	J. Harron

Cruciata laevipes Opiz
Crosswort

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1989**

An introduced species usually found on base-rich rough ground. It was one of the earliest species recorded in Down, in 1744 at Downpatrick cathedral. It was present either at this site or the nearby rath for about 240 years and was last seen in 1989. It has been searched for, but not found and must now be considered extinct.

Location	Grid Ref.	Date	Recorder
River Lagan at Annadale, Belfast	J3470	1908 - 1909	W.P. Carmody & S. Wear
Downpatrick Cathedral	J4844	1744	In Harris's 'Down'
	J4844	1868	W.E. Mulgan
	J483445	1938	Unknown
Downpatrick Rath (Mound of Down)	J4844	1842	J.E. Hodges
	J4844	1895	R.L. Praeger & S.A. Stewart
	J483450	1989	J. Wilde
Mount Stewart Estate wood	J57	1918	C.H. Waddell

GENTIANACEAE

Centaurium pulchellum (Sw.) Druce
Lesser Centaury

Euro.: **not listed**
Ir.: **FPO; RDB Near Threatened**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1985**

A native annual with a south-eastern distribution in Ireland. It may be found in damp, grassy open ground and has been recorded once.

Location	Grid Ref.	Date	Recorder
Ardglass to Sheepland Beg, Strangford Lough <u><i>This record requires confirmation</i></u>	J53	11 Jun 1985	S.J. Leach & S.A. Wolfe-Murphy

Blackstonia perfoliata (Linnaeus) Hudson
Yellow-wort

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A neophyte annual or biennial of open dry and frequently winter-wet, shallow basic soils. It is native to the Republic of Ireland, and can, as it has at Belfast Harbour Estate, be an abundant colonist of disturbed ground. Although its range seems to be expanding, it may be threatened by site development and tidying-up of grounds.

Location	Grid Ref.	Date	Recorder
Queen's Island	J34927515	29 Aug 2019	J. Dalzell
Sydenham Road, Belfast Harbour area	J352748	15 Sep 2015	M. Wright
Titanic Exhibition Centre Car Park	J35517555	07 Sep 2016	M. Porter
Musgrave Channel Rd, Queen's Island, Belfast	J36017619 J36117606 J36137608	27 Sep 2009	G.V. Day & J.D. Nunn
Musgrave Dock, Queen's Island, Belfast	J36127627	30 Sep 2012	G.V. Day

Location	Grid Ref.	Date	Recorder
Belfast Harbour Estate – thousands of plants	J37487714	22 Jun 2007	R.S. Weyl
Belfast Harbour Estate	J37	21 Jun 2009 – 12 Jul 2009	G. Gordon
	J37	24 Jun 2010 – 28 Jun 2010	G. Gordon
	J37	26 Jun 2011	G. Gordon
	J37	06 Jul 2014	G. Gordon
	J37	14 Aug 2014	G. Gordon
	J3777 J3778	23 Jul 2016	BNFC
	J3777	01 Jan 2022	G.V. Day & J.D. Nunn
	J3778	07 Aug 2016	G.V. Day & J.D. Nunn
Heron Rd, Belfast Harbour Estate	J37	14 Jul 2013	G. Gordon
	J37	18 Jun 2017	G. Gordon
Bird Hides, RSPB Window on Wildlife, Belfast Harbour Estate	J3777	August 2011	R.S. Weyl
Bird Hide 2, RSPB Window on Wildlife, Belfast Harbour Estate	J37227817	05 Jul 2015	G. Gordon & P. Gordon
	J372781	20 Aug 2015	G.V. Day
	J373780	12 Jul 2015	G. Gordon
	J373780	18 Jun 2017	G. Gordon & P. Gordon
	J37387802	05 Jul 2015	G. Gordon & P. Gordon
Belfast Harbour Estate: NE of lagoon	J373780	16 Aug 2012	P. McErlean
	J374783	28 Jul 2013	G. Gordon & P. Gordon
D3, Belfast Harbour Estate	J3738478029	06 Jun 2013	G. Gordon
unused ground, Belfast Harbour Estate	J374780	26 Apr 2017	S. Belshaw
Belfast Airport Road West	J37837836	02 Aug 2018	A. O'Doherty
RSPB Belfast Lough NCA	J383780	26 Nov 2014	A. Guichard det. M. Tickner
Newtownards South Development	J490736	Dec 2021	J. Wann
	J490736	16 Dec 2021	G.V. Day
	J491737		

***Gentianella campestris* (Linnaeus) Börner**

Field Gentian

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Near Threatened**Brit.: **RDB Vulnerable**

Local: 1

Last seen: **2022****N.I. Priority Species 2023**

A rare, attractive native biennial species, that was first recorded in 1796 at Holywood and occurred in open situations around the coast and on the basaltic hills, but is no longer found at almost all of its old stations. Recently it was recorded three locations: Conlig lead mines, Ballyquintin Point NNR and Murlough NNR. It was last recorded at Conlig in 2007 and has been searched for since, but has not been seen. Nor has it been seen recently at Ballyquintin. It may still be found at Murlough, where it seems secure.

Location	Grid Ref.	Date	Recorder
Causeway Water	J21	pre-1890	S.A. Stewart & R.Ll. Praeger
Spelga Mountain near Rostrevor	J2016	pre-1890	S.A. Stewart & R.Ll. Praeger
NE side of Slieve Donard	J32	1796	J. Templeton
Armor's Hole south of Newcastle	J32	1796	J. Templeton
Bloody Bridge, Bloody Bridge River	J387270	pre-1888	S.A. Stewart
Newcastle links	c. J3731	pre-1864	G. Dickie

Location	Grid Ref.	Date	Recorder
Newcastle dunes	J3731	1898	G.C. Druce
Dundrum dunes	c. J3933	1908	S. Wear
Murlough NNR	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
	J40253372	29 Jul 2006	I. Rippey
	J33	Sep 2011	P. Rutherford
	J397337 J398334	Aug 2012	I. McNeill
	J40193379	22 Sep 2012	R. Field
	J39713348	13 Sep 2014	BSBI
	J40153369 J40193373	26 Aug 2016	M. Wright
	J40273989 J40333400	10 Sep 2016	I. Rippey
	J39923352	20 Aug 2017	A. O'Doherty
	J4000335 J40263397 J40483398	25 Jul 2019	J. Whatmough
	J39613388 J39763335	30 Jul 2019	J. Whatmough
	J39903386 J39943385 J40153380 J40183377 J40193390 J40203381 J40253393 J40263397 J40273391 J40423398 J40423401 J40483398 J40493398 J40763391	Sep 2019	J. Whatmough
	J39613388 J39623391 J39803342 J39813340 J39833349 J39943352 J40033360 J40053357 J40153380 J40183389 J40203380 J40213394 J40223380 J40253391	27 Jul 2022	G.V. Day & J. Whatmough
Kinnegar	J3978	1887	R.Ll. Praeger
shore at Holywood	c. J3979	pre-1864	G. Dickie
Ballykinler dunes	J4337	1894 & 1900	C.H. Waddell
Ballyhassen Wood, Quoile	J496477	pre-1977	EHS
Hollywood warren	J47	1796	J. Templeton
Carngaver Hill	J4576	pre-1888	S.A. Stewart
Conlig Hill - more than 400 plants were seen here in 2002 and 2003 – gone now	J4976	c. 1878	T.H. Corry

Location	Grid Ref.	Date	Recorder
between Bangor & Crawfordsburn, by shore	J4976	Jun 1968	J. Harron & W.E. Harrison
	J491762	05 Sep 1985	Habitat Survey Team, EHS
	J493764	Sep 2002	R.S. Weyl
	J493764	Sep 2003	R.S. Weyl
	J493763	23 Sep 2007	G.V. Day
	J48	pre-1888	Prof. Cunningham
near Groomsport, Belfast Lough	J5383	1902	W. Porter
Ballyquintin Point, Ards Peninsula – not refound	J628457	Jul & Sep 2009	R.S.Weyl

BORAGINACEAE

Lithospermum officinale Linnaeus
Common Gromwell

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Extinct**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1986**

A native perennial that is usually found in grassy and scrubby places on basic soils. It was recorded twice and is probably extinct in Down now.

Location	Grid Ref.	Date	Recorder
Belfast	J37	21 May 1985	Unknown
	J37	1 Mar 1986	S. Beesley & M. Beesley

Echium vulgare Linnaeus
Viper's-bugloss

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**
N.I. Species of Conservation Concern March 2004

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2020**

A scarce, attractive native biennial that is found on well-drained soils including sand dunes, sandy fields and gravel banks and pits. This species, first recorded before 1888, has occurred at stations near most of the county Down coast. It is also a bee-friendly component of seed mixes. It has declined in natural situations due to loss of habitat and changes in agricultural intensification, and is now mainly found in the area around Dundrum. This species is vulnerable to further losses outside the protected reserve at Murlough.

Location	Grid Ref.	Date	Recorder
Cranfield, Carlingford Lough	J21	Aug 1956	D.A. Coult
	J2610	08 Sep 2001	G.V. Day
Cranfield Point, Cranfield Bay	J2710	08 Sep 2001	G.V. Day
Twelve Arches Nursery, Newcastle - roadside	J3833	Jul 1996	A. McComb

Location	Grid Ref.	Date	Recorder
Murlough NNR	J33	24 Jun 1972	J. Wilde
	J396339	1987-1999	W.I. McNeill
	J3933	24-25 May 1988	Habitat Survey Team, EHS
	J4034	29 Jun 1989	R. Thompson
	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
	J40253372	29 Jul 2006	I. Rippey
	J40713410	07 Jun 2008	BNFC
	J4134 J4234	22 Jun 2008	R.M. Walls
	J40893413	21 Jul 2012	R. Field
	J4034	29 Sep 2012	G.V. Day
	J3974133912	29 Jun 2014	J. Kirk
	J4033	13 Sep 2014	BSBI
	J4336	03 Jul 2015	S. Dunlop
	J4034	04 Jul 2015	B. Hamill, N. Parks & P. Lynch
	J4134	29 Jun 2018	G. Newell
	J4135	03 Oct 2018	A. McComb
	J397342	27 Oct 2018	A. McComb
	J406340	06 Jul 2019	P. McErlean
	J40413380 J40563393 J40573392 J40653400	25 Jul 2019	J. Whatmough
	J4034	30 Aug 2020	I. Rippey
Murlough ASSI	J393329	11 May 1991	E. Porter & I. Crawford
	J410342	15 May 1991	E. Porter & I. Crawford
Murlough ASSI - 5 sites in 1km area	J3933	12-14 May 1991	E. Porter & I. Crawford
Murlough ASSI	J3933	13 Jun 2004	G.V. Day
Carryduff Park	J3765	14 Aug 2016	G.V. Day & J.D. Nunn
Murlough ASSI - 3 sites in 1km area	J4033	14 May 1991	E. Porter & I. Crawford
Murlough ASSI - 5 sites in 1km area	J4034	14-15 May 1991	E. Porter & I. Crawford
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Murlough House	J4135	21 May 1992	M. Flatt
Dundrum Bay	J43	1970	J. Harron
disused railway north of Dundrum town	J4036	1970	J. Harron
Dundrum Village	J4036	1980s	P. Hackney
Dundrum Coastal Path	J4137	Summer 1981	P. Hackney
Ballykinler	J440357	1997	R. Irvine
	J442357	15 Jul 1997	W.I. McNeill & R. Irvine
	J4436	14 Jul 2002	D. McNeill
	J4336	03 Jul 2015	S. Dunlop
	J456361	23 Aug 2018	A. McComb
Ballykinler MoD	J4135 J4235 J4435	03 Jul 2015	G.V. Day
	J41863546	04 Jul 2015	R. Anderson
Tyrella area	J47713649	22 Jun 2002	G.V. Day
	J46213621	24 Aug 2017	S. Belshaw
Helen's Bay	J4482	24 Jun 2020	M. Marshall

Location	Grid Ref.	Date	Recorder
Seahill, Helen's Bay, Belfast Lough	J4482	15 Jun 2017	L. Crawshaw
	J44418247	16 Jun 2017	G.V. Day & J.D. Nunn
	J44458252	12 Jul 2017	R. Weyl
road junction at Ringavaddy - one plant	J510359	Jul 2004	R.S. Weyl
south-west of Strangford - sandy fields	J5849	pre-1888	S.A. Stewart
Cherry Cottage, Ballyhaft Road, Ards Peninsula - casual	J525727	21 Sep 1998	G.V. Day
Kirkistown, Ards Peninsula	J6457	1894	C.H. Waddell
Kirkiston gravel pits, Ards Peninsula - casual	J6457	1946	R.D. Meikle

Symphytum asperum Lepech.
Rough Comfrey

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2020**

A rare naturalised neophyte known from a single station where it has long been established.

Location	Grid Ref.	Date	Recorder
Lough Shore Road, Portaferry	J57575214	24 Jul 2020	G.V. Day

Lycopsis arvensis Linnaeus
Bugloss

Euro.: **Least Concern**
Ir.: **RDB Near Threatened**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

This archaeophyte species, first recorded in 1871, has occurred at stations near much of the county Down coast where there are light and bare soils. It has recently declined, and is no longer present at some sites, possibly due to development and tidying-up of marginal land and is probably threatened.

Location	Grid Ref.	Date	Recorder
Greencastle	J244116	14 Jun 2014	I. McNeill
Council amenity, Newcastle	J381318	1987-1999	I. McNeill
Slieve Donard Hotel grounds & surrounds	J3831	1994	I. McNeill
Murlough NNR	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
	J3933	10 Jun 2001	G.V. Day
	J394338	30 Jul 2019	J. Whatmough
	J397338	26 Sep 1992	R. Anderson
	J399335	06 Jun 2019	P. McErlean
	J4034	04 Jul 2015	N. Parks
Slidderyford car park	J395342	1980	I. McNeill
Inner Dundrum Bay	J397343	22 Jun 2019	A. McComb
Ballykinler	J43	15 Jul 1997	I. McNeill & R. Irvine
	J419354	03 Jul 2015	G.V. Day
	J4435		
Tyrella	J43	Jul 1979	Unknown
	J4636	27 Apr 2014	G.V. Day, P. Hackney M. Marshall, S. Mulvaney
	J4736	1979	P. Hackney
Rathmullan Lower Td	J47703648	22 Jun 2002	G.V. Day
Scrabo Hill	J472723	26 Jun 1991	J. Harron & W.E. Harrison
Killough	J5336	1913	S.A. Bennett
Quoile River at Finnabrogue	J5048	20 Aug 1966	BNFC

Location	Grid Ref.	Date	Recorder
Ballyhornan-Sheepand	J54	11 Jun 1985	P. Corbett B. Bleakley, A.S. McMullin
	J5942	15 Aug 2015	BNFC
Coneyisland	J5436	02 Aug 2003	G.V. Day
South Island, Strangford Lough	J56566669	10 Aug 2010	G.V. Day
Kircubbin	J5962	11 & 12 Dec 1985	NIEA
Millisle	J5975	1984	P. Hackney
Kinnegar Rocks, Millisle	J5977	10 Oct 1999	G.V. Day
Ballyholme Bay, Bangor	J5182	1871	H. Robinson
Groomsport	J5383	1886	R.Ll. Praeger
Copeland Island (Big Island)	J5983	09 Aug 2003	J. Harron & G.V. Day
	J5883	28 Jul 2007	G.V. Day
Benderg Bay	J600429	06 Jun 1991	J. Harron & W.E. Harrison
	J605433	16 Jul 2006	G. Gordon
Killard	J6043	1878	T.H. Corry
	J6043	1972	P. Hackney
	J6043	02 Sep 2001	G.V. Day
	J6143	25 Jun 2000	G.V. Day
	J60414377	12 Jul 2022	G.V. Day & J.D. Nunn
Slane's Point, Cloughey Bay	J63985575	19 Apr 2009	G.V. Day
Ratallagh Td	J655589	07 Aug 2000	G.V. Day
Portavogie	J6659	1979	P. Hackney
	J6659	21 Aug 2011	R.S. Weyl
	J6660	15 Aug 1999	P. Hackney
	J6660	27 Aug 2011	R.S. Weyl
Robin's Rocks	J6561	03 Apr 2011	G.V. Day
Whitechurch, N of Ballywalter	J629701	26 Jun 1999	G.V. Day
Ballyferis Point, Ards Peninsula	J6272	1913	S.A. Bennett
Ganaway Bridge-Ballyferis Point	J67	12 Sep 1999	G.V. Day

***Mertensia maritima* (Linnaeus) Gray**

Oysterplant

Euro.: **not listed**N.I.: **WO**Ir.: **FPO; RDB Vulnerable**Brit.: **RDB Near Threatened**Local: **2**Last seen: **2020****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A scarce attractive trailing perennial plant found on shingle and sand sea-shores in the east and south of the county. It is frequently found where it is protected from the full onslaught of storms by large rocks or reefs lower down on the shore and fed by seepage from inland. This species has declined and is now absent from its most southerly stations in county Down, but may occur in large quantities in some years at Tyrella. This species is vulnerable to losses from storms and changes in habitat.

Location	Grid Ref.	Date	Recorder
between Greencastle, Carlingford Lough and the lighthouse - abundant	J2411	1804	J. White
Greencastle, Carlingford Lough - a single plant, a little north of the lighthouse	J2411	pre-1888	S.A. Stewart
Cranfield Point, Cranfield Bay	J2710	1934	W. Stewart
8km south of Newcastle	J32	1799-1810	J. Templeton
Spence's River at Glasdrumman Td	J379226	12 Sep 2010	J. Harron

Location	Grid Ref.	Date	Recorder
Glasdrumman Port - substantial population in 1997	J3822	1889	R.Ll. Praeger
	J3822	1889	S.A. Stewart
	J381222	1955	M.P.H. Kertland
	J381222	1985	A. Newton & P. Hackney
	J32	06 Sep 1989	L. Farrell & R.E. Randall
	J380222	1988-1992	J. Whatmough
	J388225	19 Sep 1991	E. Porter & I. Crawford
	J388227	19 Sep 1991	E. Porter & I. Crawford
	J3822	29 Jun 1992	P. Hackney
	J380222	1993-2005	National Trust
	J380227	21 Sep 1997	G.V. Day & J.D. Nunn
	J37962237	16 Aug 2000	G.V. Day
	J37972237	30 Jul 2003	G.V. Day
	J379225	15 Jul 2019	A. McComb
Ballaghanery, 3km north of Annalong	J388258	18 Sep 1991	E. Porter & I. Crawford
Portmore, National Trust property	J389258	09 May 1999	D. Skinner & R. Skinner
	J38852537	17 Aug 2010	G.V. Day & P. Hackney
	J38892580	16 Jun 2011	R. Field
	J38862565	04 Jul 2013	G.V. Day & P. Hackney
Ballagh	J32	pre-1864	Mr. Rea
Ballagh Bridge, Crock Horn Stream - a few isolated plants	J389258	11 Sep 1992	J. Harron
William's Harbour, National Trust Property	J3926	1944	A.H. Davidson
	J390262	1990	BNFC
	J390261	1992-2005	National Trust
	J387255	1997	R. Irvine
William's Harbour to Greenharbour	J32	06 Sep 1989	L. Farrell & R.E. Randall
Bloody Bridge, Bloody Bridge River - one plant on shingle beach	J390263	11 Sep 1992	J. Harron
Mourne Coastal Path	J3926	01 Jul 1992	J.A. Lister
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
	J43	1977	J. Whatmough
	J33 or J43	1979	J. Whatmough
	J4134	1989	J. Whatmough
Murlough NNR - outer shoreline	J414345	15 Sep 1923	BNFC
at a point near the bar of Dundrum	J4135	1799 -1810	J. Templeton
Tyrella beach	J464358	1997	R. Irvine
	J467359	1997	R. Irvine
	J466358	21 Sep 1997	G.V. Day & J.D. Nunn
	J467359	14 Jul 2002	D. McNeill
	J467359	24 Aug 2017	S. Belshaw
	J465358	01 Jul 2018	A. McComb
	J4636	22 Jul 2018	A. McComb
Craigalea Rocks, 1.5km south-east of Ballykinler	J448351	1997	R. Irvine
	J449351	15 Jul 1997	W.I. McNeill & R. Irvine

Location	Grid Ref.	Date	Recorder
Ringsallin Point, Clanmaghera	J462354	1981 & 1997	P. Hackney
	J465358	15 Jul 1997	W.I. McNeill & R. Irvine
	J46583590	22 Jun 2002	G.V. Day
	J466359	13 Jun 2004	A. McComb
Rathmullan, Tyrella	J485356	1799 -1810	J. Templeton
	J485356	1878	T.H. Corry
	J485356	1902	R.Ll. Praeger
Murphystown	J4935	1902	R.Ll. Praeger
Ballyvastan area	J50253609	24 May 2001	M. Wright
Rossglass beach at Ballyvastan	J504360	19 Aug 2012	J. Harron
	J5036	01 Jul 2018	A. McComb
	J50283609 J50293609 J50313609 J5033360 J50423608	03 Jul 2018	G.V. Day
	J504360	02 Jul 2019	A. McComb
Rossglass	J5135	1902	R.Ll. Praeger
Sandy Port, St. John's Point - 2 plants only	J523335	07 Jun 1995	P. Hackney
Janeville House, St. John's Point	J5234	1915	N. Carrothers
St. John's Point	J5334	1938	N.D. Simpson
	J526332	02 Aug 1997	BNFC
	J529337	02 May 1999	G.W. Gordon
	J524338	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
Killough	J5336	1913	S.A. Bennett
	J53	30 Jul 1997	G.V. Day
Corbet Head, Killough Bay	J5334	1908	W.J.C. Tomlinson
south of Ballyquintin, Strangford Lough	J64	pre-1934	R.Ll. Praeger in <i>Praeger 1934</i>
Knockinelder Bay, Ards Peninsula	J6351	1902	S.A. Moore
Kearney NT, Ards Peninsula - c. 20 plants (2001)	J64905138	26 Jul 2001	G.V. Day & J.W.D. Semple
	J64975153	10 May 2009	G.V. Day
	J64975152 J64975153 J64995164	2013	B. Hamill & K. Keys
	J650515	17 Nov 2013	G.V. Day
	J64975153	16 Aug 2014	BNFC
	J6451	26 Jun 2016	G.V. Day
	J65	11 Sep 2016	M. Marshall
	J64985166	18 Jul 2017	R. Anderson
	J649516	13 Aug 2017	G.V. Day
	J6492251653	10 Aug 2018	S. Stewart-Moore
	J64995166	31 Jul 2020	G.V. Day & J.D. Nunn
	J6451 J6551	25 Sep 2022	G.V. Day & J.D. Nunn
	J6451	22 Sep 2023	G.V. Day & R. Ridley

Myosotis ramosissima Rochel
Early Forget-me-not

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A scarce, small native annual that usually occurs in coastal situations on dry sand dunes and other dry sandy habitats. This species has declined and is now absent from some of its stations, including the site of its first recording in Down. However, there is an important population at Murlough NNR and it has been recently recorded at other sites, so the county population appears to be at low risk.

Location	Grid Ref.	Date	Recorder
Cranfield, Carlingford Lough	J2610	1946	E.N. Carrothers
Glasdrumman, 3km N of Annalong	J381219	19 Sep 1991	E. Porter & I. Crawford
Ballaghanery Upper Td, 3.5km north of Annalong	J389271	21 Sep 1991	E. Porter & I. Crawford
Lough Island Reavy - east end	J305343	07 Jul 1996	J. Harron
Belfast Harbour Estate	J3778	23 Jul 2016	BNFC
Murlough NNR	J3933	20 May 1992	J.A. Lister
	J410346	06 Jun 1996	W.E. Harrison & J. Harron
	J3933	10 Jun 2001	G.V. Day
	J40223398	18 May 2003	BSBI
	J402339	17 Apr 2006	G.V. Day
	J40353379	24 Apr 2011	R. Field
	J39603383	14 Jun 2016	R. Anderson
	J40873415	29 Apr 2017	R. Anderson
	J40593422	20 Apr 2018	R. Anderson
	J40213398 J40233398	18 May 2022	G.V. Day
Murlough ASSI - 18 sites in 1km area	J3933	11-14 May 1991	E. Porter & I. Crawford
Murlough ASSI - 3 sites in 1km area	J3934	13-14 May 1991	E. Porter & I. Crawford
Murlough ASSI - 8 sites in 1km area	J4033	13-14 May 1991	E. Porter & I. Crawford
Murlough ASSI - 5 sites in 1km area	J4034	14-15 May 1991	E. Porter & I. Crawford
Murlough ASSI - 2 sites in 1km area	J4035	15 May 1991	E. Porter & I. Crawford
Murlough House	J4133	21 May 1992	J.A. Lister
	J4135	21 May 1992	M. Flatt
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Murlough ASSI - 4 sites in 1km area	J4134	15-16 May 1991	E. Porter & I. Crawford
Murlough ASSI	J410351	16 May 1991	E. Porter & I. Crawford
	J41103444	14 May 2004	G.V. Day & J. Harron
	J3933	13 Jun 2004	G.V. Day
Ballykinler MoD	J42753557	03 Jul 2015	G.V. Day
Rathmullan dunes, Tyrella	J4835	1970	J. Harron
Rossglass, 2km NW of St. John's Point	J5135	1970	J. Harron
Ballyhornan to Sheepland Harbour	J54	11 Jun 1985	Habitat Survey Team, EHS
Rosemount Estate, Greyabbey	J5967	11 Aug 2011	R. Weyl
Light House (John's) Island	J5985	1939	E.E. Barry det. C.D. Chase
Killard ASSI - 11 sites in 1km area	J6043	01-02 Jun 1991	E. Porter & I. Crawford
Killard ASSI	J6143	1970	J. Harron
	J610433	02 Jun 1991	E. Porter & I. Crawford
Tullycarnan, Ards Peninsula	J628473	31 Aug 1991	E. Porter & I. Crawford
Cloghy-Kirkistown dunes, Ards Peninsula	J6457	1894	C.H. Waddell

Cynoglossum officinale Linnaeus
Hound's-tongue

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **2021**

A scarce, striking biennial plant that is now mostly found on the coast on dry disturbed ground including sand dunes and shingle; often associated with rabbit burrows. It was first noted in 1793 at Dundrum Bay and is still present nearby at Murlough, though here, as elsewhere it has declined greatly. It now has three main centres, Murlough NNR, Killard NNR and the northern part of Strangford Lough. Whilst secure at the NNRs, the other disparate population remains largely unprotected and is vulnerable.

Location	Grid Ref.	Date	Recorder
along coast from Groomsport to Carlingford Lough - sandy places	unknown	pre-1895	Various recorders
Killowen Point, Carlingford Lough	J1815	1892	S.A. Stewart & R.Ll. Praeger
Spelga Mountain on stony slopes c. 152m	J2016	1892	S.A. Stewart & R.Ll. Praeger
Newcastle Bay	J3730	1890	R.Ll. Praeger
Murlough NNR, but declined considerably from previous times	J3933	1986	J. Whatmough
Murlough NNR - dunes	J410346	06 Jun 1996	W.E. Harrison & J. Harron
Murlough NNR	J41093443	14 May 2004	G.V. Day & J. Harron
	J3933	05 Apr 2009	G.V. Day
	J405338	06 Jun 2013	P. McErlean
	J4033	11 May 2014	G.V. Day
	J4034	04 Jul 2015	B. Hamill, S. Thompson & J. Whatmough
Murlough NNR	J41103443	10 Jun 2018	G.V. Day
	J400335	16 Jun 2019	A. McComb
	J400335	23 Jun 2019	A. O'Doherty
	J41063442 J41263453	18 Jul 2019	J. Whatmough
	J40643400	22 Jul 2019	J. Whatmough
Murlough NNR	J40353379 J40363379 J40373378 J40433381 J40643400	25 Jul 2019	J. Whatmough
Murlough National Trust, Dundrum	J4135	16 Jul 2018	P. McErlean & J. Whatmough
Murlough	J4134	1866	S.A. Stewart
	J4134	1878	T.H. Corry
	J4134	1954-1956	D. Linton & M.E.S. Morrison
	J4134	29 Jun 2018	G. Newell
Ballykinler	J4234	1894	C.H. Waddell
Dundrum Bay	J43	1793	J. Templeton
Ringsallin Point, Clanmaghera	J4635	1878	T.H. Corry
Minerstown	J4935	1905	N. Carrothers
Island Hill, Strangford Lough	J489689	1950	BNFC
Castle Espie, Strangford Lough	J4967	1986	BNFC
Killough Bay	J5435	1913	S.A. Bennett
Ballyhornan to Sheepland Harbour	J54	11 Jun 1985	Habitat Survey Team, EHS

Location	Grid Ref.	Date	Recorder
South Island, Strangford Lough	J566666	12 May 1961	M.S. Gunning
	J566666	c. 1969	P. Hackney
	J566666	1988	R.J. Bleakley
	J568688	17 Aug 1998	J.A. Lister
	J56816667	07 Jun 2002	G.V. Day & J. Harron
	J563667	2003	R.S. Weyl
	J56566669	10 Aug 2010	G.V. Day
Kircubbin, Strangford Lough	J5962	11-12 Dec 1985	Habitat Survey Team, EHS
Portavoe, 2.5km east of Bangor	J5682	1867	S.A. Stewart
Donaghadee	J5980	1867	S.A. Stewart
Killard NNR, Strangford Lough	J6043	15 Jun 1997	BSBI
	J6043	04 Jun 2005	G.V. Day
	J64	20 Jul 2008	G. Gordon
	J6143	13 Jun 2009	BNFC
	J607434	17 Jun 2009	G. Thurgate
	J6043	15 May 2010	AFNS
	J6043 J6143	04 Jun 2012	G.V. Day
	J6043	25 May 2014	G.V. Day
	J6043	03 Jun 2017	S. Belshaw
	J6044	16 Jul 2018	B. Bleakley
	J6043	15 Jun 2021	G.V. Day
	J6143	18 Jun 1983	J. Wilde
Killard Point, Strangford Lough	J6043	13 Jun 1989	R. Thompson
	J6143	15 Jun 1997	G.V. Day
	J6143	30 May 1998	G.V. Day
	J64	30 May 1999	G.W. Gordon
	J6143	25 Jun 2000	G.V. Day
	J60754350	01 Jun 2002	BSBI & BNFC
	J61004342	22 May 2004	G.V. Day
	J6043	03 Jul 2011	A. O'Doherty
	J610430	16 Jun 2013	P. McErlean
	J60694352 J61064316	08 Jun 2016	R. Anderson
	J6044	1878	T.H. Corry
Mill Quarter Bay, Strangford Lough	J6042	1907	W.J.C. Tomlinson
	J6042	1978	BNFC
	J606432	06 Jun 1991	W.E. Harrison & J. Harron
	J60744314	25 Aug 2002	G.V. Day
Kirkistown, Ards Peninsula	J6457	1793	J. Templeton
	J6457	1894	C.H. Waddell
Cloghy Dunes, Ards Peninsula	J6457	1876	S.A. Stewart
	J6457	1947	R.D. Meikle
Kearney Point, Outer Ards Peninsula	J6552	pre-1888	S.A. Stewart
Ballywalter Bay, Ards Peninsula	J6367	pre-1888	S.A. Stewart

CONVOLVULACEAE

Calystegia sepium (Linnaeus) R. Br. ssp. *roseata* BrummittEuro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**

Local: 1

Last seen: **2000**

A rare native perennial climber that is found in brackish areas in the upper edges of saltmarshes, coastal grassy places and inland on river-banks. This segregate was first described in 1967 and recorded in county Down in 1999. This is a conspicuous taxon, but there is insufficient information to determine trends in the population of this subspecies.

Location	Grid Ref.	Date	Recorder
Clonachullion Bridge, Shimna River	J3131	02 Aug 2000	P. Hackney, G.V. Day & J.W.D. Semple
Killough Bay	J5435	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
Kearney Village	J6451	14 Aug 1999	G.V. Day & A.G. Hill

Calystegia silvatica (Kit.) Griseb. ssp. *disjuncta* BrummittEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**

Local: 3

Last seen: **2021**

A rare native perennial climber. This is not a conspicuous taxon and there is insufficient information to determine trends in the population of this subspecies.

Location	Grid Ref.	Date	Recorder
Kilkeel Point	J3214	04 Sep 2016	G.V. Day & J. Faulkner
Lee Stone Point, Maghereagh	J3314	04 Sep 2016	G.V. Day & J. Faulkner
Bangor Bay: coastal path, Belfast Lough	J4982	09 Sep 2016	G.V. Day & J.D. Nunn
The Commons, Donaghadee, Ards Peninsula	J5979	01 Aug 2021	G.V. Day & J.D. Nunn

Calystegia soldanella (Linnaeus) R. Br.
Sea BindweedEuro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**

Local: 1

Last seen: **2018**

A rare, attractive native perennial plant of sand dunes and shingle. It has occurred at several stations around the south Down coast, most recently at Benderg Bay, Killard NNR and at Murlough, which is close to the site of its discovery in 1795. This species is declining because of destruction of habitats. It is at low risk at Killard and Murlough, where it is protected.

Location	Grid Ref.	Date	Recorder
Greencastle, Carlingford Lough	J2411	1906	S.A. Moore
Nicholson's Point	J28481110	2005	J. Whatmough
Newcastle	J33	1795	J. Templeton
Murlough ASSI	J410342	15 May 1991	E. Porter & I. Crawford
Murlough NNR	J40393420	24 Sep 2010	R. Field
	J40983420	21 Jul 2012	R. Field
Ballyhornan	J5942	1953	BNFC
Benderg Bay	J6042	1878	T.H. Corry
	J605433	16 May 2000	BSBI

Location	Grid Ref.	Date	Recorder
Killard Point, Strangford Lough	J6143	1911	S.A. Bennett
	J6143	1970-1991	R.J. Bleakley
	J600438	08 Jul 2017	A. O'Doherty
	J6044	16 Jul 2018	B. Bleakley & NIEA
Portavogie, Ards Peninsula	J6659	1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon

Cuscuta epithymum (Linnaeus) Linnaeus
Dodder

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Vulnerable**
Last seen: **2018**

A rare native annual parasitic plant with fine reddish entwining stems. It is parasitic on *Thymus drucei*, *Lotus corniculatus*, *Ononis repens*, *Galium verum*, *Calluna vulgaris* and *Ulex* spp., usually on coastal dunes and heath. This species was first recorded in 1911 and has declined, now apparently restricted to small numbers at Killard NNR, where it is protected. This species is vulnerable to further losses.

Location	Grid Ref.	Date	Recorder
Gransha, near Moneyreagh	J46	pre-1867	G. C. Hyndman - record from S.A. Stewart's MS. note, as <i>C. trifolii</i>
between lead mines and Clandeboye Golf Course	J4977	1947	J.McK. Moon & E.N. Carrothers
near Ballyedock Lodge opposite Kilclief	J54	1918	R.Ll. Praeger
top of cliff, Benderg Bay	J6042	1918	R.Ll. Praeger
Killard NNR, Strangford Lough	J6143	1911	C.H. Waddell & S.A. Bennett
	J6043	1978	BNFC
	J6043	1980s	Various reports
	J6043	02 Sep 2001	I. Rippey
	J6042	01 Jul 2003	NIEA
	J6044	16 Jul 2018	NIEA
Cloghy Bay, Ards Peninsula	J6456	1914	C.H. Waddell
	J6456	1944	E.N. Carrothers
	J6456	1952	J.E. Greer
Cloghy Dunes, Ards Peninsula	J642572	1998	R.S. Weyl

SOLANACEAE

Hyoscyamus niger Linnaeus
Henbane

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Vulnerable**
Last seen: **2005**

An archaeophyte annual that occurs in disturbed soils on sandy seashores, sandy cliffs and waste places. It was first recorded in the 1820s. It has disappeared from many of its stations, but was most recently recorded at Benderg Bay on an eroding sandy slope and at Killard NNR. It is threatened and may be close to extinction in Down.

Location	Grid Ref.	Date	Recorder
Greencastle	J21	pre-1938	<i>Praeger & Megaw 1938</i>
Murlough NNR	J3933	1992	J.A. Lister, M. Flatt & P. Jackson
Comber Distillery	J46	1898	S.A. Stewart
	J46	1907	W.J.C. Tomlinson
	J46	1910	N. Carrothers
west side of Bangor Bay	J48	pre-1864	Mrs. Rea
Ardglass	J5537	1878	T.H. Corry
Greyabbey	J56	1820s	G.C. Hyndman
Groomspoint	J58	pre-1938	<i>Praeger & Megaw 1938</i>
Killard Point	J64	c. 1878	T.H. Corry
	J6143	27 Jun 1985	J. Wilde
Killard NNR	J6043	1979	P. Hackney
	J64	1980s	Various reports
	J60954347	04 Jun 2005	G.V. Day
	J6043	18 Jul 2005	P. Hackney
Mill Quarter Bay, Mill Quarter	J6044	c. 1878	T.H. Corry
	J6044	1935-1937	R.Ll. Praeger
Benderg Bay	J6043	1937	C.R. Nodder
	J605433	1972	R. Anderson
	J604432	06 Jun 1991	W.E. Harrison & J. Harron
	J605433	1992	P. Hackney

VERONICACEAE

Veronica agrestis Linnaeus
Green Field-speedwell

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2020**

An archaeophyte annual that is usually found on cultivated land in the east of the county. It has been recorded in too many locations to be listed here, but is included because of the Irish Red Data Book classification.

Chaenorhinum minus (Linnaeus) Lange
Small Toadflax

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1968**

An archaeophyte annual usually found in open ground. It has a widespread distribution in Ireland, but has only been recorded once in county Down, and is extinct.

Location	Grid Ref.	Date	Recorder
between Helen's Bay & Craigdarraigh	J48	1968	J. Harron

Linaria repens (Linnaeus) Mill.
Pale Toadflax

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

A perennial listed by various authors as native, neophyte or archaeophyte. It is found on gravelly waste ground near the sea. It has been present at Carlingford Lough since at least 1884. It seems to have disappeared from the station at Cranfield Point and on Spelga. It was common at Killowen, but when looked for in 2010, it was found to extend very thinly for 1km ESE of Killowen. The county population of this species appears to be threatened and it may be extinct.

Location	Grid Ref.	Date	Recorder
Killowen Point, Carlingford Lough ASSI	J189154	01 Jul 1995	P. Hackney
	J18881577	02 Aug 2001	G.V. Day & P. Hackney
Killowen	J18841574	20 Sep 2003	G.V. Day & J.W.D. Semple
Ballinran, Carlingford Lough	J189154	03 Mar 1989	J. Harron
Killowen Village	J1915	1884	R.Ll. Praeger
	J1915	1907	E.N. Carrothers
	J1915	1937	C.R. Nodder
	J1915	1987	BNFC
	J1915	03 Aug 2001	G.V. Day
Killowen & Carrigaveela, Carlingford Lough	J192153	11 Oct 2010	J. Harron
	J199148		
Spelga Mountain ascent, on steeply sloping waste, looked for in 2003, but absent	J2016	1886	S.A. Stewart
Cranfield Point, Cranfield Bay - plentiful	J2710	1933	W. Hewart
Cranfield Point, Cranfield Bay	J2710	1935-1937	R.Ll. Praeger

Linaria vulgaris Mill.
Common Toadflax

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A possible neophyte perennial that has a widespread distribution in east and north Down and along the Newry Canal. It was first recorded in 1907 and has declined, but although threatened, the population still exceeds the local criteria.

CALLITRICHACEAE

Callitriche brutia Petanga
Pedunculate Water-starwort

Euro.: **RDB Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2016**

An apparently scarce native annual or perennial. Although it was first recorded prior to 1890, it was not generally recorded again until 1990. This is because until recently it was treated as a subspecies or variety of *Callitriche hamulata* and older records may therefore be submerged within records of that species. It is distributed in the central part of the county. Identification of this species can be difficult, and it is probably overlooked. The population appears to be small.

Location	Grid Ref.	Date	Recorder
Newry Canal at Scarva	J0643	13 Jul 2016	BNFC det G.V. Day
mill dam near Hilltown	J22	pre-1890	S.A. Stewart & R.Ll. Praeger
Eight Mile Bridge, Upper Bann	J2129	22 Jul 2003	G.V. Day & P. Hackney
headwater of River Bann	J251281	08 Sep 2002	J. Harron

Location	Grid Ref.	Date	Recorder
Spelga Dam	J269261	31 Jul 2004	J. Harron
Shanrod Lough	J210455	01 Sep 1990	J. Harron
Ballywillwill Lough	J3640	25 Jun 1992	W.E. Harrison & J. Harron
Moreland's Bridge, Lagan Valley Park	J337702	1996	S.A. Wolfe-Murphy det. P. Hackney
heath north of Tievenadarragh Wood	J4046	15 May 1998	P. Hackney
Rowallane (National Trust)	J4057	18 Aug 1998	P. Hackney
Quoile Marshes below Downpatrick	J44 or J54	pre-1888	S.A. Stewart

Callitriche palustris LinnaeusEuro.: **RDB Least Concern**
Ir.: **RDB Vulnerable**N.I.: **not listed**
Brit.: **RDB Vulnerable**

This species has been recorded once (date unknown) from Moyallan, Upper Bann valley, almost certainly in error.

LENTIBULARIACEAE***Utricularia australis*** R. Br
BladderwortEuro.: **RDB Least Concern**
Ir.: **RDB Least Concern**
Local: **DD**N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1980**

A native aquatic insectivorous plant that has only been recorded with certainty once at Lough Neagh. It is rarely seen in flower in Ireland. There are a few older records by Praeger (1930s) (Praeger & Megaw 1938) but it is uncertain whether these were correctly identified. It is probably very common in the county, but it is difficult to distinguish from *Utricularia vulgaris*. It is probably overlooked, and therefore its distribution and population in the county are unclear.

Location	Grid Ref.	Date	Recorder
Shan Port, Lough Neagh	J078638	1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon
Altnadua Lough	J3134	1980	P. Hackney
bog near Killyleagh	J55	1979	E. Platts det. P. Hackney

Utricularia intermedia Hayne *sensu lato*
Intermediate BladderwortEuro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

This refers to a complex group of three native aquatic insectivorous species, all of which are on the Irish RDB Waiting List. These taxa can be difficult to identify, and the distribution and population in the county are unclear.

Location	Grid Ref.	Date	Recorder
Turmennan fen	J4850	10 May 2003	BNFC
Conlig Hill - north side	J4976	1958	BSBI

VERBENACEAE

Verbena officinalis Linnaeus

Vervain

Euro.: **not listed**Ir.: **RDB Near Threatened**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1938**

An archaeophyte perennial found on barish ground. It has not been seen since 1938 and is probably extinct.

Location	Grid Ref.	Date	Recorder
Loughadian	J0740	1889-1894	H.W. Lett
Newcastle	J3731	1938	C.B.M. Chambré
Ballygowan (SW of)	J46	1860	R. Tate
Newtownards	J4974	1864	W. Darragh

LAMIACEAE

Stachys arvensis (L.) L.

Field Woundwort

Euro.: **not listed**Ir.: **not listed**

Local:

N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2022**

An archaeophyte that has declined. It has a scattered distribution, mostly in the east and south, and is usually found on arable, non-calcareous soils. This species exceeds the local criteria and is included because of the British RDB classification.

Location	Grid Ref.	Date	Recorder
Killowen Village, Carlingford Lough	J1915	03 Aug 2001	G.V. Day
Cassy Water, Mourne Mountains	J2315	30 Aug 2010	G.V. Day
Mill Bay, Carlingford Lough	J2414	11 Sep 2010	G.V. Day
Cranfield, Carlingford Lough	J2610	08 Sep 2001	G.V. Day
Lough Island Reavy	J291346	02 Aug 1989	J. Harron
Arthur's Port, Mullartown	J37852082	30 Jul 2003	G.V. Day
Annalong Coastal Path	J37892045	01 Jun 2012	G.V. Day
Maghera, N of Newcastle	J33	1980	I. McNeill
Stelfox's Garden, Tullybrannigan Rd, Newcastle	J369307	1956-1957	A.W. Stelfox
Ballywillwill House: woodland	J354406	2004-2005	E. Jackson
Quoile Countryside Centre	J49624699	25 Jun 2016	R. Anderson
St. Patrick's Well	J53	25 Jul 2000	G.V. Day & P. Hackney
Killough	J53	Apr 2022	A. Rea
Ballycam Td, St John's Point	J5334	13 Sep 2015	G.V. Day & M. Marshall
Coneyisland	J5436	02 Aug 2003	G.V. Day
Ballywhite Bay, Strangford Lough	J5752	04 Sep 2020	G.V. Day
The Dorn, Strangford Lough	J589556	03 Jul 1991	J. Harron
	J590568	11 Aug 2010	G.V. Day
Portaferry	J5950	31 Dec 2018	G.V. Day
The Slumps, Gransha	J5959	10 Oct 2021	G.V. Day
Gransha Point	J598589	30 Aug 1991	J. Harron
Mid Island Bay	J59985997	01 Aug 2004	G.V. Day
Gransha Td	J5960	11 Aug 2000	G.V. Day
Kircubbin	J5962	14 Apr 2021	G.V. Day
Cherry Cottage, 11 Ballyhaft Road, Ards Peninsula	J525727	17 Aug 2003	G.V. Day

Location	Grid Ref.	Date	Recorder
Mount Stewart Wild Flower Field	J548701	28 Aug 2018	G.V. Day
Benderg Bay	J6042	15 Aug 2015	BNFC
Cloughy Bay	J6356	11 Sep 2011	R.S. Weyl
Kearney	J6452	19 Aug 2014	G.V. Day

Ballota nigra Linnaeus
Black Horehound

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2017**

An archaeophyte that has declined. It is usually found on waste ground and by paths. All the recent stations are coastal and it may be threatened by improvement and tidying-up of such sites.

Location	Grid Ref.	Date	Recorder
Scarva, 3.5km north of Poyntzpass	J0643	1928	C. D. Chase
Greencastle, Carlingford Lough - shoreline	J2411	1954	E.N. Carrothers & J.McK. Moon
Newcastle - shoreline	J3731	1956	J.S. Pate & B.E.S. Gunning
Cloughy Bay, Ards Peninsula - roadsides	J3656	1894	C.H. Waddell
Rathmullan Lower Td, NW of St. John's Point - waste ground with ruderals	J43	1866	S.A. Stewart
Comber	J4669	1898	S.A. Stewart
Island Hill S, Strangford Lough	J48986890	04 Aug 2010	G.V. Day
Castle Espie	J4967	1866	S.A. Stewart
coast at Rossglass - waste ground with ruderals	J5135	1908	W.J.C. Tomlinson
Killough - intact hedge	J5336	1894	C.H. Waddell
Ardglass Village - intact hedge	J5537	1892	C.H. Waddell
Ardglass Village	J5537	1912	S. Wear
Phennick Point, Ardtole	J5637	14 Jul 2017	G.V. Day & J.D. Nunn
Ballyhornan	J5942	1905	N. Carrothers
Killard Point, Strangford Lough	J6143	1949	BNFC
South Bay, Ards Peninsula – caravan park	J63134830	31 Jul 2005	G.V. Day
Slane's Point, Slanes Bay, Ards Peninsula	J640558	Aug 1996	G.V. Day & J.D. Nunn
Kirkistown, Ards Peninsula	J6457	1915	S.A. Bennett & C.H. Waddell
Portavogie, Ards Peninsula	J65535911	07 Aug 2000	G.V. Day

Lamium album Linnaeus
White Dead-nettle

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB least Concern**
Last seen: **2012**

An archaeophyte that is usually found on hedgebanks and by paths. It was first found in 1979 and does not seem to persist at any of these sites. It is probably threatened by disturbance and tidying-up of marginal land.

Location	Grid Ref.	Date	Recorder
Moygannon Td, Carlingford Lough	J11	27 Apr 1989	J. Harron
Derryleckagh Bog	J116256	04 Jun 1991	NIEA
Rostrevor area	J179180	1992	I. McNeill
Drumsesk, Rostrevor	J171192	18 Apr 2005	H. Adams
Clanrye River at Crobane	J124273	12 Sep 1997	C. Moody

Location	Grid Ref.	Date	Recorder
River Bann at Katesbridge	J209408	19 Oct 1997	J. Harron
Ballykeel Td, NW of Dromara	J26325216	19 Aug 2011	G.V. Day
McAuley's Lake	J3648	17 Jul 2010	J. Wann
Tullyard Hill	J36	27 Mar 1982	J. Harron
Ballykilbeg Fen	J448407	24 Jul 1996	NIEA
Downpatrick (unlocalised)	J4844	1979	P. Hackney
Killough Bay	J5335	22 Apr 2012	G.V. Day, P. Hackney & R. Field
Castle Ward Estate, Strangford Lough	J572494	Aug 1985	R. Boyd & A. Farr
Clea Lakes	J5055	10 Jul 1991	I. Enlander
Gransha Point, Strangford Lough	J589597	28 Sep 1991	I. Crawford & E. Porter

Lamium amplexicaule Linnaeus
Henbit Dead-nettle

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB least Concern**
Last seen: **2021**

An archaeophyte annual that occurs on light cultivated soils e.g. as agricultural weed, on coastal dunes or shingle. It was previously frequent in arable fields around the coast and in Lecale, but has declined greatly, probably due to the use of herbicides.

Location	Grid Ref.	Date	Recorder
Killowen	J1815	pre-1890	S.A. Stewart & R.Ll. Praeger
Kilbroney	unknown	pre-1890	S.A. Stewart & R.Ll. Praeger
Tullycarn	J1552	pre-1888	C. Dickson
Knockshee	J2216	pre-1890	S.A. Stewart & R.Ll. Praeger
Greencastle	J2411	pre-1890	S.A. Stewart & R.Ll. Praeger
Duggan's Point, Carlingford Lough	J2412	14 Sep 2014	G.V. Day
Kilkeel	J3114	pre-1888	C. Dickson
Annalong	J3719	pre-1890	S.A. Stewart & R.Ll. Praeger
Giant's Ring - cornfield	J328678	pre-1888	S.A. Stewart
Ballykinler	J4337	pre-1895	R.Ll. Praeger
Island Hill S, Strangford Lough	J489688	10 Aug 2017	A. O'Doherty
Rough Island, Strangford Lough	J4968	pre-1895	R.Ll. Praeger
Dundonald	J4274	1889	R.Ll. Praeger
Ballyrobert, 2km SW of Grey Point	J445813	Jun 1998	W.E. Harrison & J. Harron
	J446817	07 Aug 1988	J. Harron
Killough Bay	J5335	1892	R.Ll. Praeger
Ballyhornan	J5942	19 Sep 2021	G.V. Day & J.D. Nunn
Windmill Hill, Portaferry	J5950	21 May 2020	G.V. Day & J.D. Nunn
Groomsport railway station	J531786	1908	W.J.C. Tomlinson
Millisle, Ards Peninsula	J5975	1984	P. Hackney
Ballyholme Bay, Bangor	J5282	10 Sep 2011	R.S. Weyl
Groomsport	J5383	pre-1888	R.Ll. Praeger
	J5383	1920	S.A. Bennett & W.R. Megaw
Bangor - sandy fields	J58	pre-1863	R. Tate
Bar Hall Bay, Ards Peninsula - cornfield weed	J6146	1984	P. Hackney
South Bay, Ards Peninsula	J6348	22 Aug 2021	G.V. Day & J.D. Nunn

Location	Grid Ref.	Date	Recorder
Millin Bay, Ards Peninsula	J632498	09 Sep 1991	J. Harron
Cloughey Bay, Ards Peninsula	J6356	11 Sep 2011	R.S. Weyl
Kearney (National Trust), Ards Peninsula	J6552	1984	P. Hackney
Ballywalter, Ards Peninsula	J6369	pre-1895	R.Ll. Praeger

Lamium confertum Fr.
Northern Dead-nettle

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Uncategorised**
N.I. **Priority Species 2023**

N.I.: **not listed**
Brit.: **RDB least Concern**
Last seen: **2021**

An archaeophyte annual that occurs on light cultivated soils e.g. as agricultural weed on the Ards Peninsula and around Strangford Lough. The population is threatened by development and use of herbicides, but is present in sufficient numbers to exceed the local criteria, and is listed here because of the Irish RDB classification.

Galeopsis bifida Boenn.
Bifid Hemp-nettle

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2018**

A scarce, native annual of cultivated and waste ground and sometimes occurs in woodland clearings and by water. It was first recorded in 1980 and may have increased recently.

Location	Grid Ref.	Date	Recorder
Barrack Hill Lake	J0948	24 Jul 2011	G.V. Day & R. Field
oatfield by Moygannon River, Mourne Mountains	J11	1988	J. Harron
north of Glenny's Bridge, Clanrye River	J126287	1988	J. Harron
near Mayobridge	J150287	1988	J. Harron
near Ballylough, 3.5km north-east of Gilford	J105509	13 Oct 1988	J. Harron
north-east of Magheralin, 1km south-west of Moira	J135595	20 Oct 1988	J. Harron
Hillsborough Park Lake	J2458	1980	P. Hackney
Monlough	J3964	09 Aug 2011	G.V. Day
RSPB Window on Wildlife, Belfast Harbour Estate	J3777 J3778	20 Aug 2015	G.V. Day
Dundrum Coastal Path	J4037	06 Aug 2011	G.V. Day
Rosconor, Annacloy	J45504728	01 Aug 2010	G.V. Day
Carys Fort, Clontaghmaglar	J437544	07 Oct 1988	J. Harron
Scrabo Road, Newtownards	J4773	28 Jun 2018	G.V. Day & R. Anderson
Clea Lakes	J5055	29 Jul 2011	G.V. Day
Benderg Bay	J6042	15 Aug 2015	BNFC

Galeopsis speciosa Mill.
Large-flowered Hemp-nettle

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2015**

A very rare archaeophyte annual weed usually found on arable land on peaty soils. It has declined greatly and is threatened in the county.

Location	Grid Ref.	Date	Recorder
Poyntzpass	J045364	27 Jul 2015	C. Ryan
Dead Man's Island, Carlingford Lough	J244124	1946	R.D. Meikle

Location	Grid Ref.	Date	Recorder
Annalong	J3719	pre-1895	H.C. Hart
Knocknagoney, Holywood	J37	1871	H. Robinson
Rathgael, Bangor	J4879	1965	J. Harron
Newtownards	J4974	1864	J. Darragh
	J4974	1946	R.D. Meikle
	J4974	1965	J. Harron
Conlig	J4976	1893	S.A. Stewart
Loughriscouse, 1km east of Newtownards	J5274	1946	R.D. Meikle
Six Road Ends	J5278	1893	S.A. Stewart

***Clinopodium acinos* (L.) Kuntze**
Basil Thyme

Euro.: **not listed**
Ir.: **FPO; RDB Near Threatened**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1991**

A neophyte, recorded once in county Down on the outer Ards Peninsula. It has since been searched for at this site, but not found and is probably extinct.

Location	Grid Ref.	Date	Recorder
Tieveashilly, Ards Peninsula	J627476	01 Sep 1991	I. Crawford & E. Porter

***Clinopodium ascendens* (Jord.) Samp.**
Common Calamint

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

A perennial native to southern Ireland, first recorded in County Down at a derelict site in Belfast where several mature plants were found.

Location	Grid Ref.	Date	Recorder
Albert Bridge, River Lagan	J34867357	17 Jul 2003	G.V. Day

***Clinopodium vulgare* L.**
Wild Basil

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1917**

An introduction, recorded once only.

Location	Grid Ref.	Date	Recorder
St John's Point	J529337	1917	S.A. Bennet

OROBANCHACEAE

***Melampyrum sylvaticum* Linnaeus**
Small Cow-wheat

Euro.: **not listed**
Ir.: **RDB Endangered**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Endangered**
Last seen: **1851**

A native annual usually found in upland woods and glens. It has only been recorded once, and is now extinct in the county.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J3532	1851	W. Thompson

Euphrasia confusa Pugsley
Confused Eyebright

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **DD**

N.I.: **not listed**
Brit.: **RDB Data Deficient**
Last seen: **1964**

A small native annual that is found in well-drained, grazed grassy areas. It has been recorded in south Down, but not been seen since 1964. This genus is difficult to identify, and this species may be present elsewhere but overlooked.

Location	Grid Ref.	Date	Recorder
Spelga Mountain, side of spring	J2016	1946	R.D. Meikle det. P.F. Yeo
by Watergap River, Kilfeaghan	J2216	1939	Unknown det. W.H. Phillips
Upper Bann at Hilltown	J2129	1956	C. West det. P.F. Yeo
Newcastle	J3731	1964	R.S. Fitter det. P.F. Yeo

Euphrasia micrantha Reichenb.
Slender Eyebright

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **DD**

N.I.: **not listed**
Brit.: **RDB Data Deficient**
Last seen: **2016**

A small annual found on the drier parts of acidic heaths, bogs and moorland, and in disturbed habitats such as quarries. This genus is difficult to identify, and so this species may be overlooked.

Location	Grid Ref.	Date	Recorder
Slieve Roosley	J1923	20 Aug 2014	G.V. Day
Gruggandoo, Mourne Mountains	J1924	20 Aug 2014	G.V. Day
Watergap River, Mourne Mountains	J226169	14 Sep 1992	J. Harron
Cassy Water, Mourne Mountains	J228181	14 Sep 1992	J. Harron
	J2220	19 Aug 2007	J. Faulkner
Cloghachorcha, Rocky Mountain, Mourne Mountains	J2417	24 Aug 2002	G.V. Day
Rocky Mountain, Mourne Mountains	J2418	24 Aug 2002	G.V. Day
Rocky River, west of Hen Mountain	J234273	23 Sep 2002	J. Harron
Slievemageogh Mountain	J2521	04 Aug 2003	G.V. Day
	J26082150	04 Aug 2003	G.V. Day
Cratlieve, near Slieve Croob	J298451	21 Aug 2004	G.V. Day
Slievelamagan, Mourne Mountains	J3326	04 Aug 2014	G.V. Day
The Castles, Slieve Beg, Mourne Mountains	J3427	07 Aug 2014	G.V. Day
Slieve Donard	J35452704 J35482711	26 Aug 2007	G.V. Day
Bloody Bridge River at Crannoge	J36892668	26 Aug 2007	G.V. Day
Crock Horn Stream at The Long Mountain	J37682509	13 Aug 2015	G.V. Day
Bloody Bridge River at Slievenagarragh	J37742685	26 Aug 2007	G.V. Day
Ballagh Bridge, Crock Horn stream – on banks	J381250	15 Aug 2004	J. Harron
Castlewellan Forest Park	J3337	28 Jun 2015	G.V. Day
Slieve Croob	J303460	29 Aug 1991	W.E. Harrison & J. Harron
	J317448	28 Aug 2000	J. Harron
	J3045	08 Jul 2010	G.V. Day
Scrabo Quarries	J476730	1959	M.P.H. Kertland det. P.F. Yeo
Bangor Bay	J4982	07 Sep 2016	G.V. Day & J.D. Nunn

Location	Grid Ref.	Date	Recorder
Ballycam Td, St John's Point	J5334	13 Sep 2015	G.V. Day & M. Marshall
Conlig	J5078	1959	BNFC
Butterlump Rock near Ballyhalbert, Ards Peninsula	J6661	pre-1938	R.Ll. Praeger

Euphrasia officinalis* ssp. *anglica (Pugsley) Silverside

English Eyebright

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **DD**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2018**

A small native annual found on often damp short-grazed grassland, including heaths and pastures. It is difficult to identify, and it may be overlooked.

Location	Grid Ref.	Date	Recorder
north of Kilfeaghan	J2216	1939	Unknown det. H.W. Pugsley
Killard NNR	J6044	16 Jul 2018	B. Bleakley

Euphrasia officinalis* ssp. *pratensis (Fr.) Schubl. & G. Martens

Rostkov's Eyebright

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **DD**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1939**

A small native annual found in moist meadows and riverside grassy fields. Both records come from south Down, and it has not been recorded recently. This genus is difficult to identify, and this species may still be present but overlooked.

Location	Grid Ref.	Date	Recorder
by Watergap River near Kilfeaghan	J2216	1939	N.D. Simpson det. H.W. Pugsley
Tollymore Forest Park	J3531	1938	J.P.M. Brennan det. H.W. Pugsley

Euphrasia scottica Wettst.

Scottish Eyebright

Euro.: **not listed**Ir.: **RDB Least Concern**Local: **DD**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2017**

A small native annual that is found in the wetter parts of moorland and mountain flushes. This genus is difficult to identify, and so this species may be overlooked.

Location	Grid Ref.	Date	Recorder
Slieve Roe, Mourne Mountains	J18162360	06 Aug 2003	G.V. Day
Slieve Roosley	J1923	20 Aug 2014	G.V. Day
Troopers Hollow, Mourne Mountains	J233172	14 Aug 2009	A.K. Thorne det A.O. Chater
Red Moss, Mourne Mountains	J243197	12 Aug 2009	A.K. Thorne det A.O. Chater
Cross River, Kilbroney River	J203235	15 Aug 2005	J. Harron
Cassy Water, Mourne Mountains	J22442041	21 Aug 2002	G.V. Day & J. Harron
Drumlea Stream, north-east slope of Pigeon Rock - tiny white flowers in rocky flushes by burn	J265254	17 Aug 1992	J. Harron
Slieve Muck, Mourne Mountains	J2726	15 Aug 2002	G.V. Day & P. Hackney
Eagle Rock, Mourne Mountains	J3528	07 Aug 2014	G.V. Day

Location	Grid Ref.	Date	Recorder
Portmore	J3825	17 Aug 2010	G.V. Day & P. Hackney
Phennick Point, Ardtole	J5637	14 Jul 2017	G.V. Day & J.D. Nunn

Parentucellia viscosa (Linnaeus) Caruel Euro.: **not listed** N.I.: **not listed**
 Yellow Bartsia Ir.: **RDB Near Threatened** Brit.: **RDB Least Concern**
 Local: **1** Last seen: **1999**

A rare native annual of damp open grassy places, or bare sandy ground. It was first recorded in 1978 at Lough Neagh and subsequently at Cunningburn Mill near Newtownards in 1999. It has not since been recorded at either site despite searching. The county population of this species is probably extinct.

Location	Grid Ref.	Date	Recorder
Shan Port, Lough Neagh - sparingly over short turf close to drift line on south approach	J078638	1978	J. Harron
Cunningburn Mill Dam, Ards Peninsula	J535714	31 Jul 1999	J. Wilde
	J5371	04 Aug 1999	J. Wilde

Rhinanthus minor Linnaeus ssp. ***stenophyllus*** (Schur) O. Schwarz N.I.: **not listed**
 Yellow-rattle Euro.: **not listed** Brit.: **not listed**
 Ir.: **not listed** Last seen: **2004**
 Local: **DD**

A native annual plant found on nutrient-deficient damp fens and grassland. This subspecies was first recorded in 1902 and is over-looked as most recorders do not differentiate between the subspecies of *Rhinanthus minor*. The distribution of this taxon is incompletely known, and the quantity of its population in the county is unclear.

Location	Grid Ref.	Date	Recorder
Mill Pond, Aghnamoira	J128210	08 Aug 1987	J. Harron
Black Lough ASSI	J359450	19 Jul 2004	J. Harron
Bow Lough	J358576	06 Aug 2000	J. Harron
Glasdrumman - field near Dairy	J366554	08 Jun 2003	J. Harron
Murlough House	J4135	04 Jul 2015	G.V. Day
Ballykilbeg Td - grassy margins of marsh	J449403	10 Oct 1987	J. Harron
Tullynagee Lough	J472637	04 Aug 1986	J. Harron
Conlig Hill	J489766	17 Jul 1989	J. Harron
Whitespots Country Park	J4976	27 Jul 2010	G.V. Day & P. Hackney
Ballycam Fen	J522348	13 Jul 2002	J. Harron
Ballyviggis	J523381	13 Jul 2002	J. Harron
Kearneystown, near Ardglass	J551390	13 Jul 2002	J. Harron
Loughkeelan	J5645	03 Jul 2002	G.V. Day & J. Harron
	J5645	29 Jun 2008	G.V. Day
Carrintaggart	J562469	25 Jun 2002	J. Harron
Ballyhornan S	J5941	05 Aug 2018	G.V. Day
Mill Quarter, Strangford Lough	J5944	14 Jun 2017	G.V. Day & J.D. Nunn
Ballydorn Td, Whiterock, Strangford Lough	J5262	02 Sep 2015	G.V. Day
Cotton Moss	J5379	1902	R.Ll. Praeger det. F.H. Perring
Killard Point, Strangford Lough	J6143	29 Jun 2008	G.V. Day
Ballyfinragh Lough - in tiny remnant of turf by old drain	J618549	06 Aug 1990	J. Harron
Inishargy, Ards Peninsula - in floating sedgy vegetation	J604651	12 Sep 1999	J. Harron

***Pedicularis sylvatica* Linnaeus ssp. *hibernica* D. Webb**

Lousewort

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **DD**Last seen: **2018**

A native, usually perennial, plant that has been found on blanket bog in the Mourne Mountains. This subspecies has been overlooked until recently, and its distribution and population in the county are unclear.

Location	Grid Ref.	Date	Recorder
Rocky Mountain, Mourne Mountains	J2418	24 Aug 2002	G.V. Day
Glenloughan, 2.5km north of Ballygowan	J2517	24 Aug 2002	G.V. Day
Kilbroney River at Rostrevor Forest	J209222	04 Aug 2010	J. Harron
Gruggandoo, Mourne Mountains	J2025	20 Aug 2014	G.V. Day
Banns Rd at Slievenagore, Mourne Mountains	J2821	21 Aug 2010	G.V. Day
Wee Binian, Mourne Mountains	J3222	24 Jul 2002	G.V. Day & P. Hackney
Hare's Gap, Mourne Mountains	J33	02 Aug 2000	P. Hackney, G.V. Day & J.W.D. Semple
Crock Horn Stream at The Long Mountain	J3725	13 Aug 2015	G.V. Day
Granite Trail, Donard Forest	J3729	13 May 2018	G.V. Day

***Orobanché alba* Stephan ex Willd.**

Thyme Broomrape

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **Extinct**Last seen: **1988**

A distinctive native plant that is parasitic on *Thymus drucei*. It was recorded from sand dunes at Killard Point, but has not been seen since the 1980s. This species is probably extinct in the county.

Location	Grid Ref.	Date	Recorder
Killard Point, Strangford Lough	J64	1911	C.H. Waddell, S.A. Bennett & G. Vaughan
	J64	1935-1937	R.Ll. Praeger
	J608431	28 Jun 1988	R. Anderson

***Orobanché minor* Sm.**

Common Broomrape

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **3**Last seen: **1991**

An introduction that is parasitic on a wide range of dicotyledonous plants. Workers have not identified any of the subspecies or varieties of this species in Down. It is rare and may be extinct in Down.

Location	Grid Ref.	Date	Recorder
Ballylesson	J3267	1881	C. Dickson
Tillysburn Nature Park	J382767	Sep 1991	A.G. Hill
Tillysburn Park sports grounds, Sydenham	J3876	1954-1955	E.N. Carrothers & J. McK Moon
Dundonald Cemetery, Upper Newtownards Rd	J410737	1906	G. Robinson
Craigavad, Belfast Lough	J4281	1892	H.C. Marshall
Ardglass	J5537	1924	N. Carrothers & C.D. Chase
Portnacoo, Sheepland More	J590406	1922	S.A. Bennett & C.D. Chase

CAMPANULACEAE

Wahlenbergia hederacea (L.) Rehb.

Ivy-leaved Bellflower

Euro.: **not listed**Ir.: **RDB Near Threatened**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **1953**

An extinct introduction to Co. Down. The Moira site was lost when the quarry flooded.

Location	Grid Ref.	Date	Recorder
Clarehill quarry, Moira	J1560	1953	BNFC
Malone, Belfast	J37	1908	W.C. Barton

Lobelia dortmanna Linnaeus

Water Lobelia

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2018**

A scarce, native perennial plant found in nutrient poor waters at the margins of loughs or shallow loughs. It was first recorded in Britain and Ireland about 1694 by Sherard at Kilmore. It was formerly more common in lowland loughs, but has greatly declined, probably as a result of eutrophication. It is now restricted to the Mourne where it is probably not vulnerable to further losses.

Location	Grid Ref.	Date	Recorder
junction of Lagan Canal with Lough Neagh	J0762	1864	G.C. Hyndman
Kilmore, Lough Neagh	J0962	c. 1694	W. Sherard
Greenan Lough	J119233	26 Jul 1988	N.I. Lake Survey
	J119232	01 Aug 1996	Habitat Survey Team, EHS
	J119233	01 Aug 1996	Habitat Survey Team, EHS
Lough Shannagh, Mourne Mountains - gone now	J2925	pre-1890	Unknown
Kilkeel river valley abundant - destroyed by creation of Silent Valley reservoir	J32	pre-1825	J. Templeton
pond by Kilkeel river near Miners' Hole - destroyed by creation of Silent Valley reservoir	J32	pre-1888	S.A. Stewart
Binnian Lough, Mourne Mountains	J32	1890	Unknown
	J325242	19 Aug 1990	N.I. Lake Survey
	J325242	28 Jul 1995	P. Hackney
Blue Lough, Mourne Mountains	J32	1930	C.R. Nodder
	J327253	1988	P. Raven
	J328252	25 Jul 1988	N.I. Lake Survey
	J327252	28 Jul 1995	P. Hackney
	J327252	22 Aug 2006	ENSIS
	J326251	27 Aug 2014	ENSIS
	J327252		
Altnadua Lough	J32782514	10 Jul 2018	R. Anderson
	J315348	1919	S.A. Bennett, C.D. Chase & J.R.H. Greeves
	J315348	1986	R.S. Weyl
Castlewellan	J33	pre-1825	J. Templeton
Castlewellan Lake, Castlewellan Forest Park	J325368	22 Aug 1990	N.I. Lake Survey

MENYANTHACEAE

Nymphoides peltata Kuntze
Fringed Water-lily

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2005**

An introduced aquatic perennial that is locally naturalised in canals, ponds and loughs. Introduced deliberately into the River Lagan near Belfast before 1836 by J. Campbell, one of the first Curators of the Belfast Botanic Gardens. Repeatedly seen in the stretch of canal between First Lock and lock-keeper's cottage above Second Lock until it became extinct in the late 1950s. Also introduced into the same river near Lurgan before 1836 (Mackay 1836) but long since extinct there. From the mid 1980s it began to be recorded again at new sites, as the plant apparently gained renewed favour as an ornamental pond plant, but it does not appear to persist.

Location	Grid Ref.	Date	Recorder
River Lagan near Lurgan - gone long since	J15	pre-1836	<i>Mackay 1836</i>
Dairy Lough	J370554	5 Jun 1990	N.I. Lake Survey
	J369553	03 Jul 1999	J. Harron
	J3655	13 Oct 2002	G.V. Day
	J368553	Jul 2004	R.S. Weyl
Monlough	J398649	23 Aug 1986	R.S. Weyl
	J398648	07 Jun 1990	N.I. Lake Survey
	J398649	11 Sep 1991	J. Harron
	J3964	07 Jul 2005	G.V. Day & BNFC
	J392644	2008	J. Early
Lagan Canal and river from first lock to lock-keeper's cottage above second lock	J37	pre-1836	<i>Mackay 1836</i>
	J37	1937	E.N. Carrothers
Belfast Boat Club and canal between there and First Lock (this canal filled in c. 1967)	c. J341710	Aug 1947	M.P.H. Kertland
	J37	late 1950s	H. Dales
Bloomfield, near Belfast in artificial pond on course of old railway - almost certainly planted	J373737	11 Aug 1993	P. Hackney
	J3773	03 Aug 1993	J. Wilde, S. Beesley & P. Hackney
Tillysburn Nature Park	J385773	21 Aug 1999	S.A. Wolfe-Murphy
	J3876	11 Aug 2001	BSBI

ASTERACEAE

Carlina vulgaris Linnaeus
Carline Thistle

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A scarce distinctive native calcicole perennial found on sand dunes. It was first recorded in 1894 at Ballykinler. This species had a widespread distribution around the coast, but is declining due to destruction of dunes and acidification of those remaining. It has most recently been recorded at Murlough, Ballykinler and Tyrella. The county population of this species appears to be at risk.

Location	Grid Ref.	Date	Recorder
Newcastle dunes	J3731	1951	J.E. Greer
Murlough NNR	J3933	13 Jun 2004	G.V. Day
	J399338	17 Apr 2006	G.V. Day
	J4134	1920	S.A. Bennett & C.D. Chase
	J4134	1954-1956	D. Linton & M.E.S. Morrison
	J4035	06 Jul 2008	BNFC
	J4134		
	J4234	22 Jun 2008	R.M. Walls
	J40263377	02 Jun 2012	R. Field
	J40333375	21 Jul 2012	R. Field
	J3988533637	24 Aug 2013	J. Kirk
	J4033	11 May 2014	G.V. Day
	J4034	27 May 2014	A. Crory
	J4033	13 Sep 2014	BSBI
	J4034	04 Jul 2015	B. Hamill
	J3933	25 Mar 2016	R.M. Walls
	J409346	09 Aug 2016	C. Cochrane
	J41093445	10 Jun 2018	Irish Field Club Union
	J4135	16 Jul 2018	S. Craig & J. Whatmough
	J41123438	18 Jul 2019	J. Whatmough
	J40813409	22 Jul 2019	J. Whatmough
	J40263398 J40283397 J40423384 J40433383	25 Jul 2019	J. Whatmough
	J40233390	27 Jul 2022	G.V. Day & J. Whatmough
Murlough House	J4134	1934-1936	R.Ll. Praeger
	J4133	21 May 1992	J.A. Lister
Ballykinler	J4235	1894	C.H. Waddell
	J427354	Apr 2000	R.S. Weyl
	J42743560	03 Jul 2015	G.V. Day
Tyrella dunes	J4636	1979	P. Hackney
	J4736	1979	P. Hackney
	J4736	19 Aug 2006	BNFC
	J47163621	29 May 2018	G.V. Day
Rathmullan dunes	J4736	1895-1897	R.Ll. Praeger
	J4736	1906	W.J.C. Tomlinson
	J4736	1907-1913	N. Carrothers
Killough	J5335	1913	S.A. Bennett
Blaeberry Island	J547776	15 Sep 1995	P. Hackney & R. Piper

Arctium minus ssp. *minus* (Hill) Bernh.
Lesser Burdock

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **2**

N.I.: **not listed**
Brit.: **RDB not listed**
Last seen: **2015**

A scarce, native perennial found on waste ground, roadside verges and in open woods, often on disturbed and base-rich ground. This can be a difficult genus to identify and has been subject to recent revision. There is no supporting voucher material for the records listed below. As a result the distribution and status of this species is incompletely known and some of these records may be errors.

Location	Grid Ref.	Date	Recorder
Moygannon	J11	pre-1895	S.A. Stewart
Belvoir Park Estate	J3268	09 Jan 1998	D. Broughton
Marino	J47	pre-1895	R.Ll. Praeger
Ballywhite Bay, Strangford Lough	J5752	29 Sep 2015	G.V. Day
Copeland Island (Big Island)	J5982 J5983	09 Aug 2003	G.V. Day & J. Harron
Benderg Bay	J64	pre-1895	S.A. Stewart

Saussurea alpina (Linnaeus) DC.
Alpine Saw-wort

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **Extinct**
N.I. **Priority Species 2023**

N.I.: **WO**
Brit.: **not listed**
Last seen: **pre-1971**

A rare, native perennial found at one site only on base-rich mountain rocks at about 600m in the Mourne. When A.W. Stelfox lived at Newcastle, he visited this colony almost every year until his death in 1972. Unfortunately the exact location of the colony is not known, and despite extensive searching, has not been refound. It is probable that the species is extinct in the county.

Location	Grid Ref.	Date	Recorder
Slieve Muck, Mourne Mountains	J2825	1889	S.A. Stewart & R.Ll. Praeger
	J2825	1893	R.Ll. Praeger
	J2825	1937	C.T. Ingold
	J2825	pre-1971	A.W. Stelfox

Carduus crispus Linnaeus
Wetted Thistle

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1935-1937**

A native species that is usually found on base-rich ground. It was rare, was last seen about 1937 and is extinct in the county.

Location	Grid Ref.	Date	Recorder
Killowen Village	J1915	1890	R.Ll. Praeger
Ballymacarret, Belfast	J3574	1915	N. Carrothers
Rossglass, St John's Point	J5135	1902	R.Ll. Praeger
St John's Point: Church	J5233	1896	R.Ll. Praeger
	J5233	1935-1937	R.Ll. Praeger

***Carduus tenuiflorus* Curtis**
Slender Thistle

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A native plant usually found on rough, open ground. It has occurred round much of the County Down coast, but has declined, probably because of improvements and tidying-up around dwellings. It is threatened and may decline further as developments take place.

Location	Grid Ref.	Date	Recorder
Ballinran Td	J195152	03 Mar 1989	J. Harron
	J198159	29 Jun 1991	C. Wilson & S. Gallagher
Greencastle	J21	03 Jul 1984	J. Harron
	J244117	1987	P. Hackney
	J244117	Aug 1995	P. Hackney
	J2411	02 Aug 2001	G.V. Day & P. Hackney
	J2411	30 Aug 2010	G.V. Day
Cranfield Td	J2610 J2710	08 Sep 2001	G.V. Day
	J2711	1986	J. Harron
Derryoge Td	J2913	1986	J. Harron
Belfast Harbour Estate	J3777	23 Jul 2016	BNFC
	J37437780	07 Aug 2016	G.V. Day & J.D. Nunn
Murlough Nature Reserve	J4336	03 Jul 2015	R.S. Weyl
Ballykinler Village	J4336	03 Jul 2015	R.S. Weyl
Newtownards South Development	J49117344	15 Jun 2010	G.V. Day
Audley's Castle, Castleward	J579505	12 Sep 1991	J. Harron & W.E. Harrison
Rainey Island	J525630	18 Sep 1985	NIEA
Darragh Island	J5360	1990	B. Bleakley
Trasnagh Island	J537620	20 Sep 1985	NIEA
Ballyholme Bay, Bangor	J5182	1871	H. Robinson
	J5182	1871	S.A. Stewart
Copeland Island (Big Island)	J585839	25 Jun 2003	N. McKee & G. Gordon
	J5983	09 Aug 2003	G.V. Day & J. Harron
	J5883 J5982	28 Jul 2007	G.V. Day
	J5983	25 May 2019	J. Wann
Light House (John's) Island	J5985	15 Jun 1991	J. Wilde
	J59738588	21 May 2006	G.V. Day
	J5985	12 Jun 2016	G.V. Day & J.D. Nunn
Ballyhornan Bay	J59854278	02 Jul 2006	G.V. Day
Benderg Bay	J600429	06 Jun 1991	J. Harron & W.E. Harrison
	J605433	1992	P. Hackney
	J604433	16 May 2000	BSBI
	J605433	18 Jul 2005	P. Hackney
Killard NNR	J6043	1911	S.A. Bennett
	J6043	1981	I. McNeill
	J6043	1985	B. Bleakley
Carrstown Td	J6046	1985	NIEA
Ballyquintin Point	J6245	1985	NIEA
	J622457	09 Aug 1998	J. Harron
	J62764572	27 Sep 2003	G.V. Day

Location	Grid Ref.	Date	Recorder
South Bay	J63634820	31 Jul 2005	G.V. Day
	J635483	26 Jul 2022	G.V. Day & J.D. Nunn
Tara	J637483	07 Sep 2005	P. Hackney
Knockinelder	J6451	05 Jun 1985	P. Corbett & B. Bleakley
Slane's Bay	J6455	09 Sep 2001	G.V. Day
	J64015575	19 Apr 2009	G.V. Day
	J64075574	23 May 2010	G.V. Day
Rowreagh Td	J6162	19 Aug 1999	G.V. Day

Cirsium dissectum (Linnaeus) Hill
Meadow Thistle

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A plant which is generally only sparsely distributed in the eastern half of Northern Ireland, becoming much commoner further west. Local in county Down on wet peat. Described as 'rare and declining' in Hackney (1992), but there is no clear evidence of such a decline.

Location	Grid Ref.	Date	Recorder
Derryleckagh, Newry	J12	1989	I. Rippey
NE slope of Carmeen	J1826	10 Jul 1987	J. Harron
Kilbroney River above Rostrevor	J196204	1988	J. Harron
Slieveanowen, Mourne Mountains	J223181	17 Aug 2009	J. Harron
Cassy Water above Watergap Junction, Mourne Mountains	J228173	14 Sep 1992	J. Harron
Cassy Water	J2220	19 Aug 2007	J.S. Faulkner & G.V. Day
East of Cassy Water	J22841782 J22901754	11 Jun 2016	I. Rippey
Unnamed site	J26982441	20 Sep 2018	P. Campbell
Unnamed site	J26902604	01 Jun & 09 Sep 2019	G. Johnston
Cratlieve, near Slieve Croob	J287448	13 Jul 1972	J. Harron
Lisburn	J2763	22 Apr 2011	G.V. Day
Silent Valley, Mourne Mountains	J32	16 Aug 2000	G.V. Day & P. Hackney
Tollymore Forest Park	J3431	17 Jun 2012	G.V. Day & M. Marshall
Tullybrannigan, Mourne Mountains	J356307	21 Aug 1990	C. Wilson & C. Byrne
Slieve Croob	J3045	08 Jul 2010	G.V. Day
Ballynahinch River at Leggycurry	J45G	28 Jun 1987	J. Harron
north-west side of Conlig Hill	J4976	1945	R.D. Meikle

Silybum marianum (L.) Gaertn.
Milk Thistle

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A rare archaeophyte, now introduced as a component of wild flower seed mixes, first recorded in 1880. This species is extinct in the wild.

Location	Grid Ref.	Date	Recorder
Newcastle, wild flower patch	J377311	01 Jan 2019	G.V. Day, V. Macartney & C. Pannel
Co. Down	J57	1901	Unknown
Co. Down	J58	1880	Unknown
Ganaway, Ards Peninsula	J6172	1975	R. Armour

Centaurea cyanus Linnaeus
Cornflower

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

An archaeophyte usually found in cornfields elsewhere but introduced in Co. Down. It is a component of wild flower seed mixes, and was first recorded in 2002. It is listed here because it is a UK Priority plant species (2007).

Location	Grid Ref.	Date	Recorder
Halftown Road, Lisburn	J234619	05 May 2016	G.V. Day
Newcastle, Co. Down	J33	01 Jan 2019	G.V. Day, V. Macartney & C. Pannel
Carryduff Park	J3765	14 Aug 2016	G.V. Day & J.D. Nunn
Tillysburn Nature Park, Knocknagoney	J3876	17 Jul 2010	G.V. Day
Ballymenoch Park, Bangor Rd, Holywood	J408795	18 Oct 2008	G.V. Day
near S. Quarry, Scrabo Hill	J47797222	10 Sep 2002	D.T. Holyoak
Newtownards	J485746	25 May 2019	G.V. Day
Fort Road car park and Grey Point road	J4582	13 Oct 2019	G.V. Day, J.D. Nunn, P. Hackney, V. Macartney, & M. Marshall
Killough	J5336	06 Sep 2020	G.V. Day & J.D. Nunn
Coneyisland	J5436	02 Aug 2003	G.V. Day
Kilclief Bay car park	J59774581	15 Sep 2019	G.V. Day & V. Maccartney
Portaferry, Strangford Lough	J5950	02 Aug 2020	G.V. Day & J.D. Nunn
Mount Stewart Wild Flower Field	J548701	28 Aug 2018	G.V. Day & J.D. Nunn
South Bay, Ards Peninsula	J6348	22 Aug 2021	G.V. Day & J.D. Nunn
		26 Jul 2022	G.V. Day & J.D. Nunn
Loughdoo Road junction	J6056	26 May 2019	G.V. Day & J.D. Nunn

Centaurea scabiosa Linnaeus
Greater Knapweed

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2001**

A native usually found in grassland and rough ground. It was first found in 1902 and was always scarce. It is probably present only as an introduction, and is extinct in the wild.

Location	Grid Ref.	Date	Recorder
Murlough NNR	J4134 & J4234	22 Jun 2008	R.M. Walls
Tyrella area	J43	1902	R.Ll. Praeger
Clandeboy Estate - introduction	J47	09 Aug 2001	BNFC

Location	Grid Ref.	Date	Recorder
Crawfordsburn Country Park: Wildflower Meadow	J46838186 J46838187 J46848187 J46858190 J46878187 J46888191 J46898187 J46918187	08 Jul 1997	M. Wright
Rossglass, St John's Point	J5135	1945	R.D. Meikle
Killough	J5336	1945	R.D. Meikle
Kirkistown Castle, Cloughey, Ards Peninsula	J644580	1945	R.D. Meikle

Scorzoneroideis autumnalis (L.) Moench var. *pratensis* (Hornem.) P.D. Sell

Euro.: **not listed**

N.I.: **not listed**

Ir.: **not listed**

Brit.: **not listed**

Local: **DD**

Last seen: **pre-1863**

A native perennial reported to be frequent on hills to 705m in Praeger & Megaw (1938). There are only three records of this subspecies, which is not segregated in the current standard flora. This subspecies is included for historical reasons.

Location	Grid Ref.	Date	Recorder
White Water Valley	J22	1842	Unknown det. R.B. Knox
Slieve Bearnagh, Mourne Mountains	J3128	1884	H.C. Hart
Slieve Donard, Mourne Mountains	J3527	pre-1863	G. Dickie

Leontodon hispidus Linnaeus

Rough Hawkbit

Euro.: **not listed**

Ir.: **RDB Least Concern**

Local: **DD**

N.I.: **not listed**

Brit.: **RDB Least Concern**

Last seen: **1997**

A native perennial plant that is usually found in open, dry situations on neutral or base-rich soils. It has been recorded once, probably in error, from Conlig Lead Mines in June 1997.

Location	Grid Ref.	Date	Recorder
Conlig Lead Mines <u><i>This record requires confirmation</i></u>	J492763	24 Jun 1997	M. Wright

Helminthotheca echioides (L.) Holub

Bristly Oxtongue

Euro.: **not listed**

Ir.: **RDB Least Concern**

Local: **3**

N.I. Priority Species 2023

N.I.: **not listed**

Brit.: **RDB Least Concern**

Last seen: **2022**

A recent introduction first recorded in 2009 at a development site in Newtownards. Recent records are from wild flower seed mixes. This species may increase.

Location	Grid Ref.	Date	Recorder
Newtownards	J48987329	24 Aug 2010	G.V. Day
Newtownards South Development	J49017332 J49037333	11 Oct 2009	G.V. Day
Kilclief Bay car park, wild flower mix	J59774581	15 Sep 2019	G.V. Day & V. Macartney
Windmill Hill, Portaferry, wild flower mix	J598505	23 Jul 2021 & 28 Oct 2022	G.V. Day & J.D. Nunn
Mount Stewart Wild Flower Field	J548701	28 Aug 2018	G.V. Day & J.D. Nunn
Mount Stewart	J556708	24 Aug 2017	T. Edwards

Tragopogon pratensis Linnaeus
Goat's-beard

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2017**

A scarce annual to perennial plant found on railway banks, disturbed and waste ground. It was first recorded before 1938 and was noted to be a colonist from southern parts of Ireland where it is native (*Praeger & Megaw, 1938*). Most records, including recent ones, come from the Belfast area. It is probably a fairly recent introduction in the north-east of Ireland, often associated with railway lines. Recently, a plant identified as subspecies *minor* has been located in Newtownards, close to the site of a previous railway line, although it may have been introduced (see below) and at Holywood by the railway.

Location	Grid Ref.	Date	Recorder
Narrow Water Castle	J1219	15 Apr 2007	G.V. Day
railway banks about Moira	J1560	1942	E.N. Carrothers
Shell petroleum depot, Queen's Island, River Lagan	J3575	pre-1938	S. Gray
	J3575	1980	Mr Graham
Inverary Avenue, Belfast	J366746	09 Jun 2011	M. Wright
Sydenham bypass	J364749	23 Jun 2011	M. Wright
Victoria Park, Belfast	J36657553	10 Jun 2017	J. Clark
Sydenham Station on seaward platform	J373751	1980	P. Hackney
	J373751	2003	R.S. Weyl
Tillysburn, Belfast Rd., Sydenham	J385773	21 Aug 1999	S.A. Wolfe-Murphy
Disused railway at Tullycarnet	J3973	1986	Habitat Survey Team, EHS
Comber Greenway at Abbey Rd, Tullycarnet	J39897357	30 May 2015	M. Wright
	J39867356	22 May 2016	R. Anderson
	J39867358	11 Jun 2017	M. Wright
Comber Greenway	J39887357	03 Jul 2016	M. Wright
Kinnegar	J3978	1954-1958	D.S. Lambert
	J3978	1968	D.S. Lambert
	J3978	1989	A.G. Hill
Holywood Esplanade	J390790	10 Jun 2011	M. Wright
Holywood Station	J394791	2000	R.S. Weyl
old railway at Knock	J37 or J47	1970s	D.S. Lambert
Sheepland Harbour	J581391 J583396	24 May 2007	NIEA
	J585399	13 Jun 2007	NIEA

***Tragopogon pratensis* Linnaeus ssp. *minor* (Miller) Wahlenb.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2012**

Location	Grid Ref.	Date	Recorder
Hollywood Railway Station	J39707933	14 Apr 2012	G.V. Day
established on small planted area SE of Londonderry Primary School, Newtownards - close to location of old railway line	J486746	22 May 2004	G.V. Day

Taraxacum

Dandelions

The list of *Taraxacum* spp. for county Down is almost entirely based on vouchers collected by P. Hackney and D.S. Lambert in the period from c. 1972-1980, determined by A.J. Richards, C.C. Haworth or A.A. Dudman and by A. Fitzgerald in 2018. There is generally insufficient coverage to enable us to distinguish rare and threatened species from those merely under-recorded. The list below is based on species with few vouchers, but some or many of these species will eventually prove to be common, and only gain inclusion here because of insufficient recording and collecting. All vouchers are in **BEL**. Further work is required.

***Taraxacum alatum* H. Lindb.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1973**

Grassy places.

Location	Grid Ref.	Date	Recorder
beside old railway line at Knock	J47	1973	D.S. Lambert

***Taraxacum brachyglossum* (Dahlst.) Raunk.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1970**

Dunes and coastal grassland.

Location	Grid Ref.	Date	Recorder
north of St. John's Point by Portalabar	J5338	1970	J. Harron

***Taraxacum bracteatum* Dahlst.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1973**Usually in damp habitats. The voucher specimen in **BEL** requires re-examination.

Location	Grid Ref.	Date	Recorder
bank beside river Lagan at Shaw's Bridge, Co. Down side	J325690	1973	P. Hackney

Taraxacum cophocentrum Dahlst.Euro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **not listed**
Last seen: **2022**

Urban.

Location	Grid Ref.	Date	Recorder
Castlereagh, Belfast	J373720	13 Apr 2022	T.C.G. Rich det A.J. Richards

Taraxacum cordatum PalmgrenEuro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **not listed**
Last seen: **1976**

Sandy and waste land.

Location	Grid Ref.	Date	Recorder
Greencastle Harbour, Carlingford Lough - sandy ground	J21	1976	P. Hackney
Annadale - overgrown refuse tip	J3470	1973	P. Hackney

Taraxacum croceiflorum Dahlst.Euro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **not listed**
Last seen: **1977**

Grassy places.

Location	Grid Ref.	Date	Recorder
Belvoir Park	J36	1973	P. Hackney
Knock	J47	1977	D.S. Lambert
Helen's Bay	J48	1977	D.S. Lambert

Taraxacum cyanolepis Dahlst.Euro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **not listed**
Last seen: **1973**

Humid grasslands.

Location	Grid Ref.	Date	Recorder
Belvoir Park Forest - in lush tall grass	J3469	1973	P. Hackney

Taraxacum dahlstedtii H. Lindb.Euro.: **not listed**
Ir.: **not listed**
Local: **DD**N.I.: **not listed**
Brit.: **not listed**
Last seen: **1985**

Grassy places, sand dunes.

Location	Grid Ref.	Date	Recorder
Nicholson's Point - sand dunes	J2911	1976	P. Hackney
Tyrella dunes	J43	1985	P. Hackney
Crawfordsburn	J48	1985	P. Hackney - 'probably', C.C. Haworth

Taraxacum dilatatum H. Lindb.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1977**

The voucher specimen in **BEL** requires re-examination, as this record may be an error.

Location	Grid Ref.	Date	Recorder
Knock, Belfast - old railway line	J47	1977	D.S. Lambert

Taraxacum duplidentifrons Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1973**

Grassland.

Location	Grid Ref.	Date	Recorder
Craigavad - in grass in light shade	J48	1973	D.S. Lambert

Taraxacum ekmanii Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1976**

Grassy places, roadsides.

Location	Grid Ref.	Date	Recorder
Greencastle Harbour - sandy ground	J21	1976	P. Hackney

Taraxacum expallidiforme Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1864**

Grassy places.

Location	Grid Ref.	Date	Recorder
People's Park, Belfast	J3677	1864	J. Darragh

Taraxacum exsertiforme Hagend., Soest & Zevenb.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2022**

Urban.

Location	Grid Ref.	Date	Recorder
Orby Drive, Belfast	J37647266	13 Apr 2022	T.C.G. Rich det A.J. Richards

Taraxacum exsertum Hagendijk, Van Soest & ZevenbergenEuro.: **not listed**Ir.: **not listed**Local: **DD**N.I.: **not listed**Brit.: **not listed**Last seen: **1978**

Introduced, grassy places.

Location	Grid Ref.	Date	Recorder
by path near River Lagan in Belvoir Park	J340697	1978	D.S. Lambert

Taraxacum faeroense (Dahlst.) Dahlst.Euro.: **not listed**Ir.: **not listed**Local: **DD**N.I.: **not listed**Brit.: **not listed**Last seen: **1977**

Wet grassy places by streams, or waterlogged grassland on hill slopes.

Location	Grid Ref.	Date	Recorder
west of Ott Mountain	J27692683	27 May 2018	A. Fitzgerald
Slieve Croob west	J30794534	27 May 2018	A. Fitzgerald
bank beside River Lagan, Shaw's Bridge	J3269	1973	P. Hackney
Cairn wood, Craigantlet	J4577	1977	D.S. Lambert

The records listed below were originally recorded as *Taraxacum spectabile* (Dahlst.) Dahlst group and are here transferred provisionally to *T. faeroense*. However, there are no voucher specimens, and identification cannot be assigned with certainty.

Location	Grid Ref.	Date	Recorder
Slievemartin, Mourne Mountains	J203174	02 Jul 1991	C. Wilson & S. Gallagher
	J210178	03 Jun 1991	C. Wilson & S. Gallagher
	J211178	03 Jun 1991	C. Wilson & S. Gallagher
Ballincurry River, Mourne Mountains	J209165	07 Jun 1991	C. Wilson & S. Gallagher
	J210162	07-17 Jun 1991	C. Wilson & S. Gallagher
Slievenamiskane, Mourne Mountains	J263272	04 Jul 1991	C. Wilson
Drumlea Stream, Mourne Mountains	J269255	09 Sep 1991	C. Wilson
	J270254	10 Sep 1991	C. Wilson
Craigdoo, Mourne Mountains	J276298	18 Sep 1991	C. Wilson
Spences's River, Mourne Mountains	J359243	12 Jun 1990	C. Wilson & C. Byrne

Taraxacum fulvicarpum Dahlst.Euro.: **not listed**Ir.: **not listed**Local: **DD**N.I.: **not listed**Brit.: **not listed**Last seen: **2018**

Usually base-rich places, walls, cliffs and calcareous grassland.

Location	Grid Ref.	Date	Recorder
west of Ott Mountain	J2769426830	27 May 2018	A. Fitzgerald

Taraxacum gelertii Raunk

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1976**

In grassy habitats including dune grassland and roadside verges.

Location	Grid Ref.	Date	Recorder
sand dunes near Nicholson's Point	J2911	1976	P. Hackney
Rostrevor Mountain	J2221	1872	S.A. Stewart
lower slopes of Mourne Mountains	J376271	1974	D.S. Lambert
Rolly Island in overgrown lane	J5265	1975	O. Morton

Taraxacum inclinorum A.J. Richards

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2018**

Species-rich mossy banks in partial shade.

Location	Grid Ref.	Date	Recorder
Ott Mountain	J277268	27 May 2018	A. Fitzgerald
Slieve Croob west	J308453	27 May 2018	A. Fitzgerald

Taraxacum interveniens G.E. Haglund

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2022**

Urban.

Location	Grid Ref.	Date	Recorder
Castlereagh, Belfast	J373720	13 Apr 2022	T.C.G. Rich det A.J. Richards

Taraxacum landmarkii Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **2018**

Upland, on mesic to acidic substrates.

Location	Grid Ref.	Date	Recorder
West of Ott Mountain	J2769426830	27 May 2018	A. Fitzgerald

Taraxacum latisectum H. Lindb.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1973**

Grassy places.

Location	Grid Ref.	Date	Recorder
by River Lagan, Belvoir Park	J36	1973	P. Hackney

Taraxacum lingulatum Marklund

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1976**

Grassy places, dunes.

Location	Grid Ref.	Date	Recorder
Nicholson's Point - sand dunes	J2911	1976	P. Hackney

Taraxacum longisquameum H. Lindb.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1977**

Grassy places, wasteland.

Location	Grid Ref.	Date	Recorder
White Water bridge near Greencastle - stone wall	J21	1976	P. Hackney
Annadale - overgrown refuse tip	J3470	1973	P. Hackney
Knockdene Park, Belfast	J3873	1977	D.S. Lambert

Taraxacum maculosum A.J. Richards

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1986**

Wet roadside verges. The voucher specimen in **BEL** requires re-examination, as this record may be an error.

Location	Grid Ref.	Date	Recorder
White Water Bridge	J268153	1986	P. Hackney

Taraxacum nordstedtii Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1986**

Wet habitats.

Location	Grid Ref.	Date	Recorder
Tullyframe wood - mortared stone boundary wall	J265155	1986	P. Hackney
Crawfordsburn Country Park - woods	J48	1973	P. Hackney

Taraxacum oxoniense Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1985**

Dunes and coastal grassland.

Location	Grid Ref.	Date	Recorder
Murlough dunes	J33	1973	D.S. Lambert
	J33	1985	P. Hackney
Tyrella dunes	J43	1985	P. Hackney

Taraxacum pannucium Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1982**

Grassy places, dunes.

Location	Grid Ref.	Date	Recorder
Ballyhornan - dunes	J5942	1982	P. Hackney

Taraxacum pannulatifforme Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1979**

Grassy places.

Location	Grid Ref.	Date	Recorder
Belvoir Park - river bank	J36	1979	P. Hackney

Taraxacum piceatum Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1973**

Roadsides, wasteland. The voucher specimen in **BEL** requires re-examination, as this record may be an error.

Location	Grid Ref.	Date	Recorder
Annadale - overgrown refuse tip	J3470	1973	P. Hackney

Taraxacum polyodon Dahlst.

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1978**

Grassy places, roadsides, wasteland.

Location	Grid Ref.	Date	Recorder
Tullintanvally Td	J187428	11 May 2014	A. McClure
Annadale - overgrown refuse tip	J3470	1973	P. Hackney
Saintfield	J45	1896	C.H. Waddell
Knock	J47	1978	D.S. Lambert
roadside north of Portaferry, Ards Peninsula	J55	1973	D.S. Lambert
Kearney Point, Ards Peninsula - shallow soil over shingle bank on upper sea shore	J6451	1977	P. Hackney

Taraxacum procerisquameum H. Öllgaard

Euro.: **not listed**
 Ir.: **not listed**
 Local: **DD**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1974**

The voucher specimen in **BEL** requires re-examination, as this record may be an error.

Location	Grid Ref.	Date	Recorder
Sandown, Belfast - old railway	J377735	1974	D.S. Lambert

Taraxacum pseudohamatum Dahlst.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2022**

Grassy places, roadsides and waste places. This species is probably commoner than the few records suggest.

Location	Grid Ref.	Date	Recorder
Conlig Lead Mines	J48557649 J49467651 J49477651	06 Apr 2002	G.V. Day
Ballyhaft Road, Ards Peninsula	J5272	16 Apr 2000	G.V. Day
Ballywalter	J6268	27 Feb 2022	G.V. Day

Taraxacum scotiniforme Dahlst. ex G.E. HaglundEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2022**

Urban.

Location	Grid Ref.	Date	Recorder
Castlereagh, Belfast	J373720	13 Apr 2022	T.C.G. Rich det A.J. Richards

Taraxacum sellandii Dahlst.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1973**

Grassy places. Despite the single record, this species is probably very common.

Location	Grid Ref.	Date	Recorder
by River Lagan, Belvoir Park	J36	1973	P. Hackney

Taraxacum stenacrum Dahlst.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1977**

Grassy places.

Location	Grid Ref.	Date	Recorder
Castlehill Road, Belfast	J394746	1977	D.S. Lambert

Taraxacum stictophyllum Dahlst.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

Wet, shady, rocky habitats. The voucher specimen in **BEL** requires re-examination.

Location	Grid Ref.	Date	Recorder
Dundrum Bay - top of shingle beach at foot of dunes	J4033	16 May 1985	P. Hackney det. C.C. Haworth

Taraxacum unguilobum Dahlst.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1985**

Usually acidic substrates, on wet dunes and grassy habitats.

Location	Grid Ref.	Date	Recorder
Glassdrumman - seaside turf	J32	1975	D.S. Lambert
Murlough dunes NNR - amongst bluebells at seaward edge in a dry slack - very lush	J375339	16 May 1985	P. Hackney
Murlough dunes NNR - among tall vegetation at seaward edge	J395331	16 May 1985	P. Hackney
near Black Lough, Dunturk Mountain	J35844532	27 May 2018	A. Fitzgerald

Taraxacum xanthostigma H. Lindb.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1973**

Grassy places.

Location	Grid Ref.	Date	Recorder
bank beside River Lagan at Shaw's Bridge	J3269	1973	P. Hackney

Crepis mollis (Jacq.) Asch.Euro.: **not listed**N.I.: **not listed**

Northern Hawk's-beard

Ir.: **not listed**Brit.: **RDB Endangered**

Recorded once and in error from Kilkeel before 1935 by H.W. Pugsley.

Crepis vesicaria Linnaeus ssp. ***taraxacifolia*** (Thuill.) Thell. ex Schinz & R. Keller

Beaked Hawk's-beard

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **3**Last seen: **2015**

The subspecies *taraxacifolia* is the only one found in Northern Ireland. A neophyte, usually biennial, plant that is found in grassy places, roadsides and waste places. It was first recorded in county Down in 1972 at Tyrella. Subsequent records indicate that it is increasing around two main centres of distribution - in the north-east, and in the south-east around Dundrum.

Location	Grid Ref.	Date	Recorder
Annalong Coastal Path	J3720	01 Jun 2012	G.V. Day
Murlough NNR	J3933	10 Jun 2001	G.V. Day
Dundrum dunes	J43	1985	BSBI
Tyrella beach	J4736	1972	S. Beesley
Loughinisland churches	J4245	10 Jun 2001	G.V. Day
Castle Espie - old runway	J4967	1986	BNFC
Castle Ward	J5749	17 May 2015	G.V. Day
Ballyhornan	J593417	27 May 2006	G.V. Day
Gregstown, Newtownards	J5072	30 May 2001	G.V. Day, conf. P. Hackney
Hunt's Park, Donaghadee	J593785	05 Jun 2001	G.V. Day
south of Woburn House, Drumfad - many plants	J610745	05 Jun 2001	G.V. Day

Hieracium

Hawkweeds

A group of perennial apomictic plants that occur mainly on rocky substrates of low fertility, including river-banks, cliffs and ledges, roadsides, walls and quarries. The group is divided into sections and species; where possible the species is given. These species are difficult to identify and may be overlooked.

***Hieracium acuminatum* Jordan**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **Extinct**Last seen: **1902**

Probably an introduction, and long extinct in the county.

Location	Grid Ref.	Date	Recorder
Rowallane, Saintfield - rocky wood	J4057	1902	C.H. Waddell

***Hieracium argenteum* Fr.**Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Vulnerable**Brit.: **not listed**Local: **Extinct**Last seen: **1900**

This Irish endemic was found in the Mourne Mountains and at Tollymore Park. It has not been seen since 1900, and is extinct for an unknown reason at the former stations, but probably because of habitat change at the latter.

Location	Grid Ref.	Date	Recorder
on granite cliff of Bencrom	J32	1890	R.Ll. Praeger, det. F.J. Hanbury
on granite on Eagle Rock	J3528	1890	R.Ll. Praeger & S.A. Stewart, conf. P.D. Sell & C. West 1958
on granite, by the cave on Cove Mountain	J3327	1890	R.Ll. Praeger, det. P.D. Sell & C. West 1958
shady rocks by Shimna River below the bridge above saw-mill, Tollymore Park	J33	1890	R.Ll. Praeger, det. P.D. Sell & C. West 1958
shady rocks by stream, Tollymore Park	J33	1890	S.A. Stewart & R.Ll. Praeger
rocks in river bed, Shimna river in Tollymore Park	J33	1900	C.H. Waddell, conf. E.J. Linton

***Hieracium cheriense* Jord. ex Bor.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **Extinct**Last seen: **1894**

Single voucher specimen in **BEL**.

Location	Grid Ref.	Date	Recorder
Saintfield	J45	1894	D. Redmond det P.D. Sell & C. West

Hieracium cinderella Ley

Euro.: **not listed**
 Ir.: **not listed**
 Local: **Extinct**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1904**

On rocks, but not seen since. It was searched for in 1956 and 1980s and is probably extinct in the county. Probably deliberately introduced.

Location	Grid Ref.	Date	Recorder
Rowallane demesne Waddell 1907	J4057	1904	C.H. Waddell

Hieracium duriceps F.J. Hanbury

Euro.: **not listed**
 Ir.: **not listed**
 Local: **Extinct?**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1901**

On basaltic cliffs and rocks and walls by streams in rocky glens. Although only a few very old records, this species may simply be over-looked, and so still present.

Location	Grid Ref.	Date	Recorder
Slieve Muck	J2825	1890	S.A. Stewart
Eagle Rock	J3528	1889	R.Ll. Praeger
Tollymore Park	J33	1901	C.H. Waddell

'*Hieracium euprepes* F.J. Hanbury

Euro.: **not listed**
 Ir.: **not listed**
 Local: **Extinct**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1895**

On rocks at one site only with no further sightings since 1895. Taxonomic changes have assigned two varieties of the species to full species: *H. euprepes* var. *pruiniferum* is now *H. pruinale* (Zahn) Sell & C. West; and *H. euprepes* var. *glabratum* is now *H. vennicontium* Pugsley. The voucher specimen in **BEL** needs to be re-examined to be re-assigned correctly.

Location	Grid Ref.	Date	Recorder
by stream, Hilltown	J22	1895	S.A. Stewart conf. C.E.A. Andrews

Hieracium* sect. *Foliosa (Fr.) Dahlst

Euro.: **not listed**
 Ir.: **not listed**
 Local: **2**

N.I.: **not listed**
 Brit.: **not listed**
 Last seen: **1990**

Native, found in grassy and rocky places.

Location	Grid Ref.	Date	Recorder
Upper Bann at Banbridge	J110487	28 Oct 1972	J. Harron
Yellow Water River, Kilbroney River - strong compact colony on rocks amid stream	J210220	28 Jul 1990	J. Harron
Rocky River, Mourne Mountains	J232280	29 Aug 1984	J. Harron
Yellow Water, White Water	J284216	14 Jun 1989	J. Harron
Clonachullion, 4km SW of Newcastle - rocks by river	J308313	01 Jun 1989	J. Harron

***Hieracium grandidens* Dahlst.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **3**Last seen: **2019**

A neophyte species of artificial habitats e.g. mortared stone walls, increasing generally in Ireland. Some of the records (e.g. Greyabbey) may, however, belong to other species of the Section *Vulgata* Subsection *Glandulosa*.

Location	Grid Ref.	Date	Recorder
Rostrevor	J11	1976	N. Dawson
Dromore - walls of old station and viaduct	J15	1982	P. Hackney
	J195533	02 Jul 1988	P. Hackney
	J196534	14 May 1999	P. Hackney
Hillsborough demesne	J25	1923	N.H. Foster
Hillsborough castle grounds - boundary wall	J25	1989	D. Getty
Hillsborough Castle Estate	J2358 J2458 J2459	16 Jun 2019	G.V. Day, D. Riley, V. Macartney & M. Porter
Tollymore Park at Bryansford - wall	J3432	1991	A.McG. Stirling, J. Bevan & P. Hackney
Crawfordsburn Country Park - walls by main drive	J464818	1990	P. Hackney
	J464818	2003	P. Hackney
Abbey, Greyabbey, Ards Peninsula - walls	J584683	c. 1913	C.H. Waddell
	J584683	1983	P. Hackney
	J584683	May 2003	P. Hackney
	J584683	05 May 2017	R. Anderson
Ballywalter Park, Ards Peninsula - demesne wall	J6268	1983	P. Hackney

Hieracium hibernicum* F.J. Hanbury var. *hibernicumEuro.: **not listed**N.I.: **not listed**Ir.: **RDB Critically Endangered**Brit.: **not listed**Local: **Extinct**Last seen: **1891**

Searched for in 1956 by Sell & West and 1986 by P. Hackney but not found at this, its only Northern Ireland site. The species is an Irish endemic, known elsewhere only from county Donegal.

Location	Grid Ref.	Date	Recorder
Broughnamaddy, in a ravine on the Causeway Water, Mourne	J2219	1883	H.C. Hart
	J2219	1891	F.J. Hanbury

***Hieracium lasiophyllum* Koch**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **Extinct**Last seen: **1890s**

On dunes, granite, Silurian shale and basalt.

Location	Grid Ref.	Date	Recorder
Rostrevor Mountain	J22	1872	S.A. Stewart
Spelga Mountain - on granite and shale	J22	1890s	S.A. Stewart
Ballykinler dunes	J43	1886	S.A. Stewart det. Backhouse

Hieracium latobrigorum (Zahn) RoffeyEuro.: **not listed**Ir.: **not listed**Local: **2**N.I.: **not listed**Brit.: **not listed**Last seen: **1991**

By streams in hilly districts and by Ballynahinch River. This species is the commonest member of the Section *Foliosa*.

Location	Grid Ref.	Date	Recorder
Kilbroney River at Rostrevor	J11	Unknown	S.A. Stewart det. P.D. Sell & C. West
first weir below Banbridge <i>Davies 1902</i>	J14	1902	J.H. Davies
River Bann below bridge at Lenaderg	J110487	05 Jun 1991	J. Harron
Upper Bann at Hilltown	J2129	03 Aug 1895	S.A. Stewart det. P.D. Sell & C. West
	J223292	08 Aug 1991	P. Hackney det. P. Hackney, J. Bevan & E.G. Philp
Rocky River Bridge, Rocky River	J231282	08 Aug 1991	P. Hackney det. P. Hackney, J. Bevan & E.G. Philp
Upper Bann near Hen Mountain	J248284	08 Aug 1991	P. Hackney det. P. Hackney, J. Bevan & E.G. Philp
Mourne Mountains	J2626	Aug 1889	R.Ll. Praeger det. P.D. Sell & C. West
Shimna River, Tollymore	J33	12 Aug 1889	R.Ll. Praeger det. P.D. Sell & C. West
Shimna River above Tollymore Park	J33	08 Aug 1890	R.Ll. Praeger det. P.D. Sell & C. West
by Salmon leap waterfall, along Shimna River, Tollymore Park	J318318	22 Aug 1984	P. Hackney
'Rustic' bridge, Shimna River, Tollymore Park	J333320	22 Aug 1984	P. Hackney
Tollymore Forest Park	J353324	Sep 1956	J.McK. Moon det. P.D. Sell & C. West
beside Ballynahinch River at old mill near Listooder	J426523	08 Aug 1991	P. Hackney det. P. Hackney, J. Bevan & E.G. Philp

Hieracium orimeles F.J. Hanbury & W.R. LintonEuro.: **not listed**Ir.: **not listed**Local: **Extinct**N.I.: **not listed**Brit.: **not listed**Last seen: **c. 1889**

Mourne Mountains only. The record of the previous species may belong here (or *vice versa*). At only one site, and not seen since 1889 or 1890.

Location	Grid Ref.	Date	Recorder
Bencrom - granite cliff <i>Praeger 1942</i>	J32	pre-1890	S.A. Stewart & R.Ll. Praeger
Mourne Mountains (probably the Bencrom site above)	unknown	1889	R.Ll. Praeger

Hieracium stewartii (F.J. Hanbury) Roffey Euro.: **not listed**
Ir.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

Frequent in two small areas of the Mourne Mountains. Grows on both granite and shale rocks. Cannot now be found in Tollymore Park, perhaps because the Shimna River is now heavily shaded by excessive rhododendron growth. The Spelga Dam population has been apparently reduced to a single plant between 1991 and 2003. A search of the River Bann upstream from Hilltown in 2003 failed to reveal any other plants, and it seems to be extinct on this river except for the one site below the Spelga Dam. Unfortunately, it has not been seen at this site since 2003 and it may be extinct in Down.

Location	Grid Ref.	Date	Recorder
slate rocks below Spelga Mountain by the River Bann	J2627	1890	R.Ll. Praeger
below Spelga Dam	J2627	1983, 1984	P. Hackney
	J2627	1991	P. Hackney & J. Bevan
	J2627	22 Jul 2003	P. Hackney & G.V. Day
several spots by the River Bann above Hilltown	J22	1890 onwards	S.A. Stewart, R.Ll. Praeger & F.J. Hanbury
thicket above middle bridge, Tollymore Park	J33	1890	S.A. Stewart
sparingly Tollymore Park, margins of woods	J33	1890	S.A. Stewart & R.Ll. Praeger

Hieracium strictiforme (Zahn) Roffey Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1991**

Rocks of the basalt scarp, stone-walls and river-banks.

Location	Grid Ref.	Date	Recorder
Rostrevor - wall <i>Carrothers & Moon 1930</i>	J1718	1956	A.B. Sefton det. C. West
Pigeon Rock, Mourne Mountains	J2623	unknown	R.Ll. Praeger det. H.W. Pugsley
Mourne Mountains	J2626	Aug 1889	R.Ll. Praeger
Shimna River - beside waterfall	J318318	22 Aug 1984	P. Hackney
old Bridge, Shimna River, Tollymore Park <u><i>This record requires confirmation</i></u>	J345323	23 Jul 1991	P. Hackney, A.McG. Stirling & J. Bevan
Tollymore Forest Park	J3532	14 Aug 1882	S.A. Stewart det. P.D. Sell & C. West
	J3532	23 Aug 1886	S.A. Stewart det. P.D. Sell & C. West
	J3532	Unknown	H.C. Hart
	J353324	Sep 1956	J.McK. Moon det. P.D. Sell & C. West

Hieracium subrude (Arv.-Touv) Arv.-Touv Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1890**

On rock outcrops at one site. Very similar to the next species, and perhaps the record belongs there.

Location	Grid Ref.	Date	Recorder
Bencrom, Mourne Mountains	J32	1890	R.Ll. Praeger

Hieracium triviale (Norrl.) Norrl.Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **2**Last seen: **2010**

On rock outcrops, quarry spoil and stone walls. Probably under-recorded.

Location	Grid Ref.	Date	Recorder
foot of path from Rostrevor Oak Wood	J185167	1976	N. Dawson
Waringstown - walls	J15	1900	S.A. Stewart
Clonachullion, 4km SW of Newcastle	J305308	01 Jun 1989	J. Harron
Newtownards Glen - Silurian shale rock	J47	pre-1950	Unknown
Scrabo Hill	J477729	26 Jun 1991	J. Harron & W.E. Harrison
Conlig Hill	J47	1893	S.A. Stewart det. P.D. Sell & C. West
Conlig quarry spoil bank	J47	1891	R.Ll. Praeger det. P.D. Sell & C. West
Whitespots Country Park	J49267670	27 Jul 2010	G.V. Day & P. Hackney
The Glen, Crawfordsburn Country Park - stone-faced bank	J465818	30 Jul 1987	J. Harron
west of Orlock Point, Belfast Lough	J5583	22 Jun 1985	S.J. Leach

Hieracium uigenskyense PugsleyEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **1**Last seen: **pre-1968**

The only record is reported from Perring (1968). There is no further information.

Location	Grid Ref.	Date	Recorder
Mourne Mountains	BSBI grid 14/38	pre-1968	Unknown

Filago germanica L.

Common Cudweed

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Vulnerable**Brit.: **RDB Near
Threatened**Local: **1**Last seen: **1996**

A very rare, native annual found on acid sandy soils, including grassland, dunes, heaths, arable land roadsides and tracks. It was first recorded before 1864 and was formerly very frequent, but declined before the beginning of the last century as a result of changes in agricultural practices. There was a period of about 80 years intervening between the previous and the most recent record, in 1996. This species is threatened and may be extinct in Down.

Location	Grid Ref.	Date	Recorder
Rostrevor	J11	pre-1888	S.A. Stewart
Lough Island Reavy	J2934	pre-1923	R.Ll. Praeger
Newcastle - Castlewella - roadsides	J33	pre-1888	S.A. Stewart
Newcastle dunes	J33	pre-1864	'Mr Rea'
	J33	1916	S.A. Bennett
sandy bank Newtownbreda, Belfast	J3569	1872	S.A. Stewart
Victoria Park, Sydenham Rd., Sydenham	J3675	pre-1863	S.A. Stewart
Knock, Belfast	J3873	pre-1888	S.A. Stewart
Ballyhackamore, Belfast	J3874	pre-1863	S.A. Stewart
Kinnegar	J3978	1850	W. Millen
Ballykinler	J4234	1894	C.H. Waddell

Location	Grid Ref.	Date	Recorder
Ringsallin dunes	J4635	1906	W.J.C. Tomlinson
Clough	J4040	pre-1888	S.A. Stewart
Aughnadarragh Lough	J442592	06 Aug 1996	M. Wright
stony places, coast, Cherry Valley, Comber	J4769	pre-1863	R. Tate
Conlig Hill	J4976	c. 1878	T.H. Corry
Newtownards	J4974	1864	C.H. Waddell
Ballygrainey	J57	1916	S.A. Bennett

Logfia minima (Sm.) Dumort.
Small Cudweed

Euro.: **not listed**
Ir.: **FPO; RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A scarce, native annual found on well-drained, open situations on sandy ground by the coast, including grassland, dunes and heaths. It was first recorded in 1886 at Kinnegar near Belfast, but has not been seen in this area since. It was found on the Belfast Harbour estate in 2015 where it now seems established. It is also found in the south of the county about Ballykinler and Murlough. The county population of this species should be at low risk at Murlough NNR and other reserves where it is protected.

Location	Grid Ref.	Date	Recorder
White Water, Mourne Mountains	J21	1889	S.A. Stewart
Mill Bay, Carlingford Lough ASSI	J2414	02 Aug 2001	G.V. Day & P. Hackney
Tullynasoo Mountain Quarry	J303354	03 Dec 1972	J. Harron
Newcastle dunes	J33	1916	S.A. Bennett
Bird Hide 2, RSPB Window on Wildlife, Belfast Harbour Estate	J37227817	20 Aug 2015	G.V. Day
Belfast Harbour Estate	J3778	23 Jul 2016	BNFC
	J37507817 J37567803	07 Aug 2016	G.V. Day & J.D. Nunn
	J37187819	22 May 2017	S. Belshaw
Newcastle Golf Club	J3832	30 Jun 1926	H.D. Megaw

Location	Grid Ref.	Date	Recorder
Murlough NNR	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
	J39763368	10 Jun 2001	G.V. Day
	J395334	12 May 1991	E. Porter & I. Crawford
	J4134	1954-1956	D. Linton & M.E.S. Morrison
	J43	1969	BNFC
	J398334	12 May 1991	E. Porter & I. Crawford
	J401339	14 May 1991	E. Porter & I. Crawford
	J407341	14 May 1991	E. Porter & I. Crawford
	J40293398	18 May 2003	BSBI
	J3933	13 Jun 2004	G.V. Day
	J402339	17 Apr 2006	G.V. Day
	J40613426 J40803473 J41003427	07 Jun 2008	BNFC
	J4134 J4234	22 Jun 2008	R.M. Walls
	J40593425	05 Apr 2009	G.V. Day
	J40663423 J40693424 J40733421	11 May 2014	G.V. Day
	J39483339	13 Sep 2014	BSBI
	J4336	03 Jul 2015	R. Weyl
	J40653424	04 Jul 2015	G.V. Day
	J40823473	22 Jul 2019	J. Whatmough
	J39493361	30 Jul 2019	J. Whatmough
	J40213398	18 May 2022	G.V. Day
	J39983355 J40103387 J40253391 J40273389	27 May 2022	G.V. Day & J. Whatmough
Kinnegar	J3978	1886	R.Ll. Praeger
Murlough House	J4135	21 May 1992	M. Flatt
Ballykinler	J4234	1894	C.H. Waddell
Ballykinler MoD	J42083540	03 Jul 2015	G.V. Day
	J44083578	01 Jul 2016	S. Mulvaney det P. Corbett
Ballykinler Village	J4336	03 Jul 2015	R. Weyl
Ringsallin dunes	J4635	1906	W.J.C. Tomlinson

***Antennaria dioica* (L.) Gaertn.**
Mountain Everlasting

Euro.: **not listed**
Ir.: **not listed**
Local: 1

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A species of dry heaths, sand dunes, mountain slopes and rocks. Rare and declining in the county, apparently lost from its Mourne Mountains stations. It is now confined to two areas: Conlig Hill and Killard/Benderg. Changes in grassland management and/or increased sheep grazing and disturbance may be implicated in its general decline.

Location	Grid Ref.	Date	Recorder
Kilbroney River	J12	1880s	S.A. Stewart & R.Ll. Praeger
Slievemeel Beg, Mourne Mountains	J2021	1880s	S.A. Stewart & R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Slieve Muck, Mourne Mountains	J2825	1880s	S.A. Stewart & R.Ll. Praeger
Slieve Donard, Mourne Mountains	J3527	1880s	S.A. Stewart & R.Ll. Praeger
Newcastle	J3731	pre-1864	Mrs. Rea
Newtownards	J4974	1793	J. Templeton
	J4974	1864	J. Darragh
Whitespots, southern slag pile	J49347597	20 Jun 2018	J. Lees det A. Church
Conlig Lead mines – one plant (1998)	J4976	20 Jun 1959	G.E. Drennan
	J49257638	1998	R.S. Weyl
Conlig Hill	J4976	Jun 1968	J. Harron & W.E. Harrison
	J489762	02 Jul 1981	J. Harron
Quoile Pondage	J500478	Jul 1991	Habitat Survey Team, EHS
Conlig	J5078	1951	M.P.H. Kertland
Benderg Bay	J600429	06 Jun 1991	J. Harron & W.E. Harrison
Killard NNR	J6043	15 Jun 2021	G.V. Day & J.D. Nunn
Killard Point	J6143	1979	P. Hackney

***Gnaphalium sylvaticum* Linnaeus**
Heath Cudweed

Euro.: **not listed**
Ir.: **FPO; RDB Endangered**
Local: 1
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Endangered**
Last seen: **1988**

A rare, native perennial found in dry, open situations including heath, woods, dry pastures, and forestry tracks. It was first noted before 1863 and was formerly frequent, being recorded from land adjacent to Carlingford Lough, Dundrum and the north of Strangford Lough. It has greatly declined, perhaps due to a loss of suitable heath and has only been recorded at three sites, near Newry, at Tollymore and near Newtownards, in recent years. The population of this species is endangered, and further losses due to loss of suitable habitat are likely.

Location	Grid Ref.	Date	Recorder
Mourne district - frequent	unknown	1889 or 1890	<i>Stewart & Praeger 1892</i>
hills south of Newry	J02	1892-1893	R.Ll. Praeger
Greenan Lough - stubble field nearby	J1123	1988	J. Harron
Gillhall, Coolsallagh	J1654	pre-1888	C. Dickson
Hilltown, Mourne Mountains	J2128	1889	R.Ll. Praeger
Kilkeel	J3014	pre-1888	C. Dickson
Newcastle	J33	1852	W.M. Hind
	J33	c. 1899	R.P. Vowell
Shimna River, Tollymore Park - on disturbed ground in the woods	J3331	1972	P. Hackney
Giant's Ring, Edenderry - sandpit	J325674	c. 1878	T.H. Corry
Mealough Hill	J3566	pre-1888	S.A. Stewart
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J391745	1912	S.A. Bennett
	J391745	1920	S.A. Bennett
Kinnegar	J3978	pre-1864	W. Millen
Ballykinler	J4234	1894	C.H. Waddell
	J4234	1902	R.Ll. Praeger
Dundrum - plentiful	J43	pre-1888	S.A. Stewart
Ballymaledy, Comber	J46	pre-1863	R. Tate

Location	Grid Ref.	Date	Recorder
Carrickmannan Lough	J4460	1920	S.A. Bennett & C.D. Chase
Dundonald	J47	pre-1867	G.C. Hyndman
Scrabo Hill	J472729	16 Jul 1981	J. Harron
Conlig station	J5078	pre-1863	R. Tate

***Erigeron acris* Linnaeus**

Blue Fleabane

Euro.: **not listed**Ir.: **RDB Least Concern**

Local: 1

N.I. Species of Conservation Concern March 2004N.I.: **WO**Brit.: **RDB Least Concern**Last seen: **1992**

A native annual or perennial found on open, dry, sandy soils. It has only been recorded at Murlough and by Ballykinler, the latter providing the first record, in 1886, but it has not been recorded there since 1936. Murlough provides the best situation for this species, and where it should be protected. However, the habitat has become unsuitable due to lack of grazing (J. Harron pers. comm.), and it has not been reported from there since 1992. It therefore appears to be endangered.

Location	Grid Ref.	Date	Recorder
Murlough NNR - dunes	J3933	13 Jun 1959	D.A. Seaby
	J3933	1987	J. Whatmough
	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
Murlough House	J414351	1950	R.C. Davidson
	J4135	1968 to 1970	J. Harron
	J4135	21 May 1992	M. Flatt
Ballykinler - one small patch. Only 1 plant seen in 1936	J4235	1886	R.Ll. Praeger
	J4235	1936	R.Ll. Praeger

***Artemisia maritima* L.**

Sea Wormwood

Euro.: **not listed**Ir.: **RDB Least Concern**

Local: 1

N.I. Priority Species 2023N.I.: **WO**Brit.: **RDB Least Concern**Last seen: **2015**

A native perennial found on a short cliff by the seashore. The plant seems confined to one or two small patches growing in crevices of a north-facing crag of Silurian shale that stands at ninety degrees to the shoreline. This is the most northerly station in Ireland. It was first found by R.Ll. Praeger in 1902 and was still present in 2000. The population of this species appears to be at low risk as the site is not likely to be disturbed.

Location	Grid Ref.	Date	Recorder
St John's Point – <i>to be confirmed</i>	J5233	30 Jun 2011	B. Hamill & G. Thurgate
0.8km south of Corbet Head, Killough Bay	J5334	1902	R.Ll. Praeger
	J537347	1908	W.J.C. Tomlinson
	J537347	1920-1921	S.A. Bennett & C.D. Chase
	J5334	1935-1937	R.Ll. Praeger
	J537347	1968	J. Harron
	J538349	09 May 1970	J. Harron
	J537347	1988-1992	P. Hackney
	J5334	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
	J53563450	17 Dec 2006	G.V. Day
	J53553451	13 Sep 2015	G.V. Day & M. Marshall

Chamaemelum nobile (Linnaeus) All.
Chamomile

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2013**

A native perennial previously found on damp gravelly ground including short grassland and roadsides. It was first noted before 1804, and appears always to have been rare. Before 1893 it was known only from three disparate locations. Recently it has been recorded at two sites where it has been introduced.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh	J0863	1893	C.H. Waddell
foot of Tullybrannigan Mountain, Mourne Mountains	J33	pre-1804	Unknown
sand hills Ballykinler	J4234	1888	R.Ll. Praeger
Comber - commons nearby	J46	pre-1864	D. Orr
old gravel pit c. 1.6km north-east of Comber	J46	pre-1888	R.Ll. Praeger
near Comber	J46	1893	Unknown
Ballymenoch Park, Holywood - introduction	J408795	18 Oct 2008	G.V. Day
Ulster Folk & Transport Museum, Cultra	J42577992	12 Oct 2013	I. McKee

Anthemis arvensis Linnaeus
Corn Chamomile

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Endangered**
Last seen: **2019**

An archaeophyte casual annual of light sandy soils, found in arable fields and waste ground. This species has always been rare and was not seen in the county between 1945 and 2015. It has recently been seen at three sites where it has been introduced, probably as a component of a seed mixture.

Location	Grid Ref.	Date	Recorder
Strangford Lough shores	unknown	pre-1888	<i>Stewart & Corry 1888</i>
Glassdrumman - field	unknown	pre-1890	S.A. Stewart & R.Ll. Praeger
Newcastle - waste ground	J3731	1945	E.N. Carrothers, R.D. Meikle & J.McK. Moon
Victoria Park, Sydenham, Belfast	J36587513	07 Jul 2015	R. Anderson
	J3675	02 Jan 2019	M. Wright
Ballymacarret, Belfast	J3574	1915	N. Carrothers
Stormont Estate, Belfast	J3974	01 Jan 2016	G.V. Day & J.D. Nunn
Ballykinler - field	J43	pre-1895	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Seahill, Helen's Bay	J4482	16 Jun 2017	G.V. Day & J.D. Nunn
Ballyblack, Ards Peninsula	J5573	1945	R.D. Meikle

Anthemis cotula Linnaeus
Stinking Chamomile

Euro.: **not listed**
Ir.: **RDB Waiting List**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2010**

An archaeophyte casual annual. It has most recently been seen at a single site, where it has been introduced probably as a component of a seed mixture.

Location	Grid Ref.	Date	Recorder
Tillysburn Nature Park, Knocknagoney	J3876	17 Jul 2010	G.V. Day
Campbell College & Cabin Hill School, Belfast	J391745	1922	S.A. Bennett & C.D. Chase
Light House (John's) Island, Copelands	J5985	1957	CBO Report, Hackney, P. (1992)

Glebionis segetum (L.) Fourr.
Corn Marigold

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local:

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2021**

An archaeophyte that was first noted in 1931 near Comber. Previously found mainly around arable fields, it is now widely used in wild flower mixtures. It exceeds the local criteria, and is only included because of its status in the Irish and GB Red Data lists.

Senecio sarracenicus L.
Broad-leaved Ragwort

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2001**

A neophyte perennial that was first noted before 1864 in the south-east of the county. It had become naturalised on the River Lagan bank at Belvoir, but has not been seen at this station since 2001 and may be extinct in the county.

Location	Grid Ref.	Date	Recorder
Kilkeel	J3014	pre-1833	Kane 1833
Ballagh	J32	pre-1864	Unknown
Belvoir Park Forest - Lagan bank	J3469	1942	J.McK. Moon
	J3469	1945	E.N. Carrothers, R.D. Meikle & J.McK. Moon
	J338699	Aug 1974	P. Hackney
	J338699	1985	P. Hackney
	J338701	1996	S.A. Wolfe-Murphy
	J338699	30 Aug 2001	P. Hackney
2 mls SE of Saintfield (Leggygowan)	J4257	1894	C.H. Waddell
	J4257	1905	C.H. Waddell
between Comber and Castle Espie	J46	1913	N. Carrothers

Eupatorium cannabinum Linnaeus
Hemp-agrimony

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2004**

A scarce, native perennial found on damp basic soils by streams and on heaths, lake-sides and marshes. This species has been recorded in several coastal areas over a long period; near Ardglass from 1843 to about 1968, south of Killough since 1878 and near Bloody Bridge since before 1888. There is no recent information about the Ballykilbeg station, and the species is no longer to be found at the Ardglass site. This species appears to have declined, but should be at low risk at the Bloody Bridge site where it is protected. It recently appeared by the Knock River in Belfast as a probable introduction.

Location	Grid Ref.	Date	Recorder
Warrenpoint, Rath Road, Annett's Garden Centre	J151194	01 Jun 2014	I. McNeill
Bloody Bridge and Mourne Coastal Path	J388270	17 Oct 1991	E. Porter & I. Crawford
	J3926	01 Jul 1992	J.A. Lister
	J389269	11 Sep 1992	J. Harron
	J390268	1997	R. Irvine
	J3827	29 Aug 2001	G.V. Day
	J3826	17 Jul 2002	G.V. Day
Bloody Bridge, Bloody Bridge River	J3827	pre-1888	C. Dickson
	J387270	1981	P. Hackney
	J387270	1990	BNFC
	J3827	16 Apr 2004	G.V. Day & P. Hackney
	J3826	17 Aug 2010	G.V. Day & P. Hackney
	J3827		
	J3826	04 Jul 2013	G.V. Day & P. Hackney
	J38802697	04 Aug 2013	J. Kirk
	J3826	18 Sep 2017	I. McNeill
The Broad Cove, Ballaghanery Upper Td	J3827	04 Aug 1998	P. Hackney
Greenville Park and Knock River, Belfast	J3773	12 May 2019	G.V. Day, J.D. Nunn & V. Macartney
Ballykilbeg	J449402	10 Oct 1987	J. Harron
south of Killough	J53	1878	T.H. Corry
	J53	1905	N. Carrothers
	J53	1906	BNFC
Corbet Head, Killough Bay	J5434	1968	J. Harron
	J539349	09 May 1970	J. Harron
Killough Bay	J5435	20 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
near Ardglass	J53	pre-1825	J. Templeton
	J5537	1843	W.M. Hind
	J5537	c. 1968	J. Harron

ADOXACEAE

Adoxa moschatellina Linnaeus
Moschatel

Euro.: **not listed**
Ir.: **RDB Critically Endangered**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **1880s**

A native perennial plant that is found in scrubby woodland. It is present at only one putatively native site in Ireland (Cave Hill, county Antrim). This species was present at Belvoir, where it was supposed to be not native, but was gone before 1938 and is now extinct in the county.

Location	Grid Ref.	Date	Recorder
Belvoir Park Forest, riverside, a little above second lock - extinct here before 1938	J3469	pre-1864	W. Millen
	J3370	04 Apr 1878	T.H. Corry
	J3469	1880s	Unknown

***Sambucus ebulus* L.**

Dwarf Elder

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2015**

A scarce archaeophyte found on waysides, rough and waste ground. It was first recorded in 1833 and has a scattered, mostly eastern, coastal population. It's distribution has become better known since the 1970s, and it remains vulnerable to losses due to development.

Location	Grid Ref.	Date	Recorder
Annaghdroghal	J079635	08 Aug 1970	J. Harron
Craig Farm, Kilmore, site destroyed by 1997	J0962	1970	J. Harron
	J0962	1985	P. Hackney
Magheralin	J1258	01 Sep 1977	J. Wilde
	J1258	10 Sep 1985	J. Wilde
	J1259	1956	E.N. Carrothers
Magheralin Quarry	J1359	Aug 1999	I. McNeill
Murlough NNR	J413352	13 Jun 1991	E. Porter & I. Crawford
Tyrella	J43	14 Jul 2002	D. McNeill
Inch Abbey – absent now	J476452	1957	E.N. Carrothers & R.C. Davidson
Ulster Folk & Transport Museum, Ballycultra Td	J419801	15 Jul 2005	Woodland Trust
Ballycam Td, St John's Point	J53023542	13 Sep 2015	G.V. Day
Killough	J5336	1866	S.A. Stewart
Castlemahon Mountain	J5546	25 Jun 2002	J. Harron
Ballyhenry Island	J575520	14 Apr 1995	P. Hackney
Greyabbey Abbey – absent now	J5767	1833	Unknown

VALERIANACEAE

***Valerianella carinata* Loisel.**

Keel-fruited Cornsalad

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1953**

An archaeophyte annual found on hedge banks and at a plant nursery. It was first recorded in 1871 and has not been seen since 1953. It may still be present in the county, but in view of the intervening period since the last record, is probably extinct.

Location	Grid Ref.	Date	Recorder
Slieve Donard nursery, Newcastle	J3731	1953	C.D. Chase
Hollywood Hills	J47	1871	S.A. Stewart
ditch bank on right side of main road about 0.8km east of Dundonald, and abundant on ditch banks on by-road leading thence to Hollywood Hills	J47	1871	S.A. Stewart
	J47	1878	T.H. Corry
Dundonald	J47	1935	R.Ll. Praeger
	J47	1953	C.D. Chase

Valerianella rimosa Bastard
Broad-fruited Cornsalad

Euro.: **not listed**
Ir.: **RDB Critical**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Endangered**
Last seen: **1919**

An archaeophyte annual that was present in cultivated fields on the Ards Peninsula. These were the most northerly stations in the Irish range of the species. It was first recorded in 1903, but has not been seen since 1919 and is extinct in the county.

Location	Grid Ref.	Date	Recorder
field by Lough Cowey, Ards Peninsula	J5954	1903	R.Ll. Praeger
field by Lough Doo, Ards Peninsula	J6155	1903	R.Ll. Praeger
	J6155	1919	S.A. Bennett & C.D. Chase

HYDROCOTYLACEAE

Hydrocotyle ranunculoides Linnaeus
Floating Pennywort

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

A highly invasive and persistent aquatic neophyte, first found in Ireland at Glastray in 2002. It remains present at many sites despite measures to eradicate.

Location	Grid Ref.	Date	Recorder
River Lagan at Gill Hall	J167535	16-22 Oct 2010	R. Rosell
River Lagan, N of Greenan Hill	J1753	16-22 Oct 2010	R. Rosell
Dromore, Co. Down	J18835329	Oct 2010	J. Early
River Lagan at Ballynaris, W of Dromore	J18835329	Oct 2010	J. Early
River Lagan: carp ponds, W of Dromore	J189533	12 Oct 2010	R. Rosell & M. Shanks
River Lagan: carp ponds, W of Dromore	J189533	14 Oct 2010	R. Rosell & Y. McElarney
River Lagan, W of Dromore	J1853	16-22 Oct 2010	R. Rosell
Andrews' Mill, Comber	J45476913	Jul 2012	NIEA
	J45476917	03 Sep 2012	G.V. Day
	J45496914		
Comber Greenway at Billy Neil Sports Pitches	J43627206	31 Aug 2016	R. Anderson
Camphill Community, Glencraig	J43628182	25 May 2019	G.V. Day
Helen's Bay, Co. Down	J44898240	Nov 2012	J. Early
Helen's Bay, Co. Down	J44898245	Nov 2012	R. Kelly
Craigdarragh, Helen's Bay	J44898245	Nov 2012	R. Kelly
Helen's Bay, Belfast Lough	J44898240	19 Nov 2012	J. Early
	J44898245		
Balloo woodland, Bangor	J506794	01 Dec 2008	J. Early
	J50697939	17 Jan 2009	G.V. Day & R. Field
	J5079	27 Nov 2016	G.V. Day
The Commons, Donaghadee	J59337893	06 Jun 2017	G.V. Day
	J59367892	14 Feb 2018	G.V. Day
	J5979	13 Apr 2019	G.V. Day, V. Macartney & R. Anderson
	J59367892	01 Aug 2021	G.V. Day & J.D. Nunn
	J59367892	03 Jan 2022	G.V. Day & V. Macartney

Location	Grid Ref.	Date	Recorder
Glastry Clay Pits, Ards Peninsula	J6363	31 Aug 2002	G.V. Day
	J635631	08 Feb 2004	G.V. Day & J.D. Nunn
	J635631	07 Jan 2005	G.V. Day
	J635631	02 Sep 2007	G.V. Day & J.D. Nunn
	J638629	01 Jan 2008	J. Early & NIEA
	J635631	15 Mar 2008	G.V. Day
	J638628	05 Sep 2008	A. Jackson
	J639629	10 Mar 2013	G.V. Day
	J6362 J6363	03 Jul 2013	G.V. Day
	J6362	25 Dec 2020	G.V. Day & J.D. Nunn
	J6362	22 Sep 2023	G.V. Day & R. Ridley

APIACEAE

Eryngium maritimum Linnaeus
Sea-holly

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A scarce, distinctive perennial native species found on sand dunes and shingle. It was first recorded in 1793, and has markedly declined and is now much rarer than formerly, probably because of disturbance. Sites are still being lost, such as that at Craigalea Rocks, which was destroyed when construction of a sea defence took place. It is present at Murlough NNR where it is protected, and so here at least the species appears secure in county Down, but it is vulnerable elsewhere.

Location	Grid Ref.	Date	Recorder
Cranfield, Carlingford Lough	J21	Aug 1956	D.A. Coult
Greencastle, Carlingford Lough	J2411	1895	S.A. Stewart & R.Ll. Praeger
Cranfield, Cranfield Bay, gone now	J2710	1987	Rostrevor Field Club
Nicholson's Point – dune ridge, 2 plants (2005)	J2911	1895	S.A. Stewart & R.Ll. Praeger
	J2864611189	2005	J. Whatmough
	J2848811107	2005	J. Whatmough
	J2811	19 Jul 2011	J. Harron
Newcastle Bay	J3730	pre-1864	Unknown
Murlough	J4134	pre-1864	Unknown
Murlough NNR	J4134	2001	A. McComb
Ballykinler	J4335	pre-1888	S.A. Stewart
	J4335	pre-1918	C.H. Waddell
Stinkers Rock off Tyrella South Td	J4535	09 May 2014	G.V. Day
Craigalea Rocks, 1.5km SE of Ballykinler	J458354	21 Sep 1997	G.V. Day & J.D. Nunn
	J459354	21 Sep 1997	G.V. Day & J.D. Nunn
	J460354	21 Sep 1997	G.V. Day & J.D. Nunn
Craigalea Rocks, 1.5km south-east of Ballykinler, site destroyed in 2002	J453352	21 Sep 1997	G.V. Day & J.D. Nunn
Bent Rock, Clanmaghery - one plant in sand on west side of rocky point (1997)	J458353	17 Sep 1997	P. Hackney
	J458353	15 Sep 2019	P. Hackney

Location	Grid Ref.	Date	Recorder
Tyrella beach	J458354	1984	J.G. Angus
	J460355	1984	J.G. Angus
	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J472361	1997	R. Irvine
	J466358	21 Sep 1997	G.V. Day
	J43	Oct 1997	P. Hackney
Ringsallin Point, Clanmaghera	J4635	1878	T.H. Corry
	J460354	16 Apr 1997	P. Hackney
	J45993549	22 Jun 2002	G.V. Day
	J4635	2013	J. Harron
	J460354	15 Sep 2019	P. Hackney
	J45773549 J45913549	16 Aug 2021	I. Millar
Cultra	J417812	Aug 2000	J. Semple
	J4181	03 Aug 2010	M. Wright
Cultra, a single plant	J41698117	30 Sep 2000	G.V. Day & J.W.D. Semple
	J41738121	30 Jul 2001	J.W.D. Semple
Ardglass	J53	1878	T.H. Corry
Gilpin Harbour, Guns Island	J5940	pre-1888	S.A. Stewart
Ballyholme Bay, Bangor - a single plant	J5182	1863	R. Tate
Portavoe Point	J5782	1793	J. Templeton
Benderg Bay	J6042	1878	T.H. Corry
Killard NR, Strangford Lough-not seen since	J6043	1980-1982	R.J. Bleakley
Cloghy Bay, Ards Peninsula - abundant	J6456	pre-1888	S.A. Stewart
Kirkistown, Ards Peninsula	J6557	1913	S.A. Bennett
fields at Portavogie south, Ards Peninsula	J6559	18 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple
Portavogie, Ards Peninsula - 3 plants	J658592	1997	R.S. Weyl

Oenanthe fistulosa Linnaeus

Tubular Water-dropwort

Euro.: **Least Concern**Ir.: **RDB Near Threatened**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2011**

A scarce native perennial plant that is found frequently on land that is flooded in winter, and in ditches, canals and marshes. It was first recorded on the Newry Canal near Tandragee in 1896 and was still present on the canal in 1989. Other records come from the Lough Neagh area and the central part of the county about Crossgar. It has also recently been found in coastal sites in the east of the county. The population of this species currently appears to be stable and is at low risk.

Location	Grid Ref.	Date	Recorder
Newry Canal, near Tandragee	J0546	1896	S.A. Stewart
	J0546	1930s	R.Ll. Praeger
south of Madden Bridge, Newry Canal	J0547	1989	P. Hackney
Shan Port to Kinnegoe Point	J065630	16 Jun 1988	Habitat Survey Team, EHS
Ellis's Gut, Lough Neagh	J0862	1911	BNFC
	J0862	1943	E.N. Carrothers & J.McK. Moon
	J0862	08 Aug 2001	G.V. Day, P. Hackney & J.W.D. Semple
Annaghdroghal, Lough Neagh - in rushy shoreline pasture	J079637	08 Aug 1970	J. Harron
	J078637	18 Aug 1997	J. Harron

Location	Grid Ref.	Date	Recorder
Ballynahinch - upstream of river	J399505	25 Jun 1996	M. Rose
Derryboye	J477548	1972	R. Anderson
Jericho Lough, north-east of Brick Hall	J4854	1960	E.N. Carrothers
	J4854	1972	R. Anderson
	J489546	29 Aug 1987	J. Harron
	J488549	01 Jul 1988	N.I. Lake Survey
	J488549	2002	R.S. Weyl
	J488548	12 May 2011	R.S. Weyl
	J488547	03 Jun 2011	R.S. Weyl
Ardigon Lough, west of Donard View	J487538	22 Jul 1988	W.E. Harrison & J. Harron
St. John's Point	J5233	30 Jun 2011	G. Thurgate & B. Hamill
Horse Island, Strangford Lough	J56	24 Jun 2011	R.S. Weyl

Chaerophyllum temulum Linnaeus
Rough Chervil

Euro.: **not listed**
Ir.: **RDB Vulnerable**
Local: **Extinct**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1986**

A biennial plant of hedgebanks and thickets that was found near Lough Neagh and at Rostrevor. It was first recorded at Annaghdroghal in 1922 and was still present in 1978, though is now absent. Subsequently it was recorded at Rostrevor in 1986, but despite visits, has not been recorded since. It is probably extinct in the county.

Location	Grid Ref.	Date	Recorder
hedge near Annaghdroghal House, Lough Neagh	J0863	1922	A.W. Stelfox
near Annaghdroghal House, Lough Neagh - in bushes of old lough scarp	J0863	1935-1937	R.Ll. Praeger
Annaghdroghal Bridge, Lagan Canal	J088630	1978	J. Harron
Kilbroney River 0.4km above Rostrevor village	J1718	1986	W.I. McNeill & D. McNeill

Anthriscus caucalis M. Bieb
Bur Chervil

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **1**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1957**

A native annual found near the sea in open situations on dry banks or waste ground. It was first noted before 1864, and there are few records later than 1918. This species has greatly declined, and has not been seen since 1957. It is endangered, if not extinct, in the county.

Location	Grid Ref.	Date	Recorder
roadside between Rostrevor and Greencastle	J21	1873	S.A. Stewart
0.5 ml NW of Ballygowan, Mill Bay, Carlingford Lough ASSI	J2414	16 May 1957	Unknown (from Dúchas files)
Dundrum	J4038	pre-1888	C. Dickson
Ardglass	J5537	1893	R.Ll. Praeger
Ballyhornan Bay - luxuriant	J5942	pre-1895	R.Ll. Praeger
Portaferry, Ards Peninsula	J5950	pre-1864	Unknown
Killinchy	J5060	1899	C.H. Waddell
near church, Killinchy	J5060	1918	S.A. Bennett & J.A.S. Stendall

Location	Grid Ref.	Date	Recorder
seashore at Mountstewart, Ards Peninsula	c. J5569	1864	J. Darragh
	J5569	1867 & 1872	S.A. Stewart
seashore north of Mount Stewart, Ards Peninsula	c. J5370	1864	BNFC
Donaghadee - by the Warren	J5979	c. 1878	T.H. Corry
Cloghy, Outer Ards Peninsula	J6356	1917	R.Ll. Praeger
Kearney, Outer Ards Peninsula	J6451	1894	C.H. Waddell
	J6451	1917	R.Ll. Praeger
20 yards north of Ballywalter, Ards Peninsula - on east side of road, only specimen between Donaghadee and Ballywalter (notes from BEL specimen)	J6269	1917	S.A. Bennett

Scandix pecten-veneris Linnaeus
Shepherd's-needle

Euro.: **not listed**
Ir.: **RDB Extinct**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Critical**
Last seen: **1956**

A distinctive archaeophyte annual species of cultivated fields that was previously widely distributed in the east of the county, but is now probably extinct.

Location	Grid Ref.	Date	Recorder
Killowen Point, Carlingford Lough ASSI	J1815	pre-1890	S.A. Stewart & R.Ll. Praeger
Cranfield, Carlingford Lough	J21	Aug 1956	D.A. Coult
Kilkeel	J3014	1949	J.McK. Moon
Ballynahinch	J3652	pre-1888	S.A. Stewart
Sandy fields, Ballynafeigh	c. J3471	c.1800	J. Templeton
Belmont - brickworks	J3874	1864	H. Robinson
Dundrum	J4038	pre-1888	S.A. Stewart
Downpatrick	J4844	pre-1895	R.Ll. Praeger
Comber	J4669	pre-1863	Unknown
Newtownards	J47	1864	J. Darragh
Stormont Estate	J4074	pre-1863	Unknown
Dundonald	J4277	1887	R.Ll. Praeger
Craigavad, Belfast Lough	J4281	pre-1895	R.Ll. Praeger
Lecale - frequent	J54	c.1800	J. Templeton
Strangford (village), Strangford Lough	J5849	1897	S.A. Stewart
Clea Lakes	J5055	1891	R.Ll. Praeger
Killinchy	J5060	1890	R.Ll. Praeger
Mount Stewart, Ards Peninsula	J57	pre-1888	S.A. Stewart
Ballymagee	J5280	1916	A.W. Stelfox
Orlock Point, Belfast Lough	J5583	1878	T.H. Corry
Ballywalter, Ards Peninsula	J6269	pre-1888	S.A. Stewart
Ballyhalbert, Ards Peninsula	J6563	pre-1888	S.A. Stewart

Ligusticum scoticum Linnaeus
Scots Lovage

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: 1
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2007**

A rare native perennial maritime species of rocks and rocky upper shores or, rarely, sand-dunes. This species has a northern distribution, diminishing southwards and previously attaining its most southerly European stations in county Down. It has greatly declined and appears to be absent from the mainland and the Copeland Islands. It may now be extinct.

Location	Grid Ref.	Date	Recorder
Coalpit Bay, Ards Peninsula - gone now	J5979	1966	J. Harron
Bangor Bay – absent now	J5082	1809	J. Templeton
Groomsport to Orlock – absent now	J58	1902	W. Porter
Orlock Point, Belfast Lough – absent now	J558837	1966	J. Harron
Copeland Island (Big Island) – 2 plants (2007)	J5883	1793	J. Templeton
	J58458374	06 Jun 2004	G.V. Day & J. Harron
	J58448374	28 Jul 2007	G.V. Day
Donaghadee - gone now	J5980	1793	J. Templeton
	J5980	1904 (not 1905 as listed in Hackney 1992)	N. Carrothers
	J5980	1927	BNFC
Light House (John's) Island Barry 1940	J597858	12 Jul 1939	E.E. Barry, J.A.S. Stendall & E.H. Metcalf
	J597858	1961	C. MacMahon
	J597858	07 Jul 1999	G.V. Day
Butterlump Rock near Ballyhalbert - at and north of the Rock – absent now	J661619	1903	R.Ll. Praeger
	J661619	1935-1937	R.Ll. Praeger
Burial Island, Ballyhalbert, Ards Peninsula	J6663	pre-1938	R.Ll. Praeger
Mew Island, Copelands	J6085	1878	T.H. Corry

Torilis nodosa (Linnaeus) Gaertn.
Knotted Hedge-parsley

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: 1
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A native annual species of dry stony or gravelly banks, on southern parts of the county Down coast. It was first found before 1888 and was previously frequently recorded, but had greatly declined before 1900. The statement in Hackney (1992) that this plant has no records after 1897 is incorrect. However, there have only been records from two sites since 1945, both from the southern part of the outer Ards Peninsula. The population of this plant is very low, and is likely endangered due to agricultural improvement and climate change.

Location	Grid Ref.	Date	Recorder
Rostrevor	J1718	pre-1888	Unknown
Killowen beach, Rostrevor	J1816	pre-1890	S.A. Stewart & R.Ll. Praeger
Cloughy, Ards Peninsula	J3656	pre-1888	S.A. Stewart
Rathmullan, Tyrella	J4835	pre-1888	S.A. Stewart
Clough	J4040	pre-1888	S.A. Stewart
Killough	J5336	1867	S.A. Stewart
	J5336	1889	S.A. Stewart
	J5336	1902	H.W. Lett & C.H. Waddell

Location	Grid Ref.	Date	Recorder
Ardglass	J5537	1913	S.A. Bennett
Ringboy	J5356	pre-1888	S.A. Stewart
Bishop's Mill, Ardkeen, Ards Peninsula	J5956	1897	R.Ll. Praeger
Whiterock, Strangford Lough	J5161	pre-1894	C.H. Waddell
Mill Quarter Bay, Mill Quarter	J6044	pre-1888	S.A. Stewart
Tullycarnan, Ards Peninsula	J626474	31 Aug 1991	E. Porter & I. Crawford
South Bay, Ards Peninsula – old shingle on rocky spit	J637483	Aug 2005	D. Hughes conf. P. Hackney
	J637483	07 Sep 2005	P. Hackney
	J6353748315	18 Sep 2005	G.V. Day
	J63564826 J63714828 J63624820	26 Jul 2022	G.V. Day & J.D. Nunn
Knockinelder	J6351	1945	J.McK. Moon
near Ballyhalbert, Ards Peninsula	J6563	pre-1888	S.A. Stewart

Carum carvi Linnaeus

Caraway

Euro.: **not listed**Ir.: **RDB Waiting List**Local: **3**N.I.: **not listed**Brit.: **RDB Endangered**Last seen: **2013**

An introduction recorded once only.

Location	Grid Ref.	Date	Recorder
James Point, Millisle	J597766	03 Nov 2013	G.V. Day

Apium graveolens Linnaeus

Wild Celery

Euro.: **RDB Least Concern**Ir.: **RDB Least Concern**Local: **1**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1994**

A rare native plant of damp brackish soils on tidal river-banks and close to sea-shores. It was first recorded in 1793 at the upper end of Belfast Lough. It had a widespread distribution around the coast, but was last recorded for certain in 1983 from Kinnegar. The 1994 records may be errors for *Oenanthe crocata*. The land where it occurred at Kinnegar has been developed, and this species may therefore be extinct in county Down.

Location	Grid Ref.	Date	Recorder
about ropewalk at upper end of Belfast Lough - long gone	J37	1793	J. Templeton
Newry Canal	J02	1892-1893	R.Ll. Praeger
Newry - by river	J0826	1892-1893	R.Ll. Praeger
Ellis's Gut, Lough Neagh	J0762	1913	S.A. Bennett
Bailey's Bridge <i>This record requires confirmation</i>	J358337	02 Jun 1994	Water Management Unit, EHS
Maghera Bridge <i>This record requires confirmation</i>	J368343	02 Jun 1994	Water Management Unit, EHS
Dundrum Inner Bay	J3935	pre-1864	G. Dickie
	J3935	1935-1937	R.Ll. Praeger
Tillysburn, Sydenham	J3876	1939	J.P.M. Brenan & N.D. Simpson
Kinnegar, on reclaimed land behind BP oil refinery - several plants	J3978	1983	R.S. Weyl
A2 Road Bridge <i>This record requires confirmation</i>	J407391	02 Jun 1994	Water Management Unit, EHS

Location	Grid Ref.	Date	Recorder
Comber River Estuary - estuarine marsh	J4668	1918	BNFC
	J4668	1935-1937	R.Ll. Praeger
Killough	J5336	1894	C.H. Waddell
	J5336	1935-1937	R.Ll. Praeger
Kilclief	J5945	1970	M.P.H. Kertland & D.S. Lambert
South bay, Portaferry, Ards Peninsula	J5950	1945	J.McK. Moon
Groomsport, Belfast Lough	J5383	c. 1863	R. Tate
	J5383	1886	R.Ll. Praeger

Imperatoria ostruthium Linnaeus
Masterwort

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1974**

An introduction usually found in grassy, moist ground.

Location	Grid Ref.	Date	Recorder
Hilltown	J2128	1915	R.Ll. Praeger
Legananny Dolmen	J288433	1974	D. Lambert
	J288433	1959	J. Crothers
Legananny	J2943	1952	BNFC
Cloughram	J4038	1952	BNFC

MONOCOTS

ARACEAE

Lemna gibba Linnaeus
Fat Duckweed

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2020**

A scarce, native floating aquatic that occurs in still or slow-flowing eutrophic and brackish waters of ponds, rivers, ditches, and at the edges of loughs. It was first recorded in 1878 in Belfast and has a scattered distribution in the centre and north of the county including Lough Neagh. It is no longer present at some of its stations, but has persisted at others and has been found at new sites, notably along the Newry Canal. It appears to be spreading and the county population is at low risk.

Location	Grid Ref.	Date	Recorder
Lagan Canal	unknown	1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon
Newry Canal	unknown	pre-1888	R.Ll. Praeger
Newry: downstream & upstream	J079287	28 Jun 1996	P. Randall
Newry River at Newry Bridge	J081285	24 Jun 2008	I. O'Neill
Newry, north	J085282	2004	NIEA det I. O'Neill
Steenon's Bridge, Drummiller	J0731	07 Sep 1997	J.S. Faulkner, P. Hackney & G.V. Day
Clanrye River at Lisduff	J081308	23 Aug 2011	I. O'Neill
Scarva	J063434	10 Jun 2020	J. Faulkner
Newry Canal at Jerrettspass	J064333	2000	NIEA
	J064333	2004	NIEA det I. O'Neill
Shan Port, Lough Neagh	J0763	01 Aug 1971	M.P.H. Kertland & D.S. Lambert

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh	J0863	pre-1923	J.D. Houston
	J0763	1986	J. Harron
Drumaness	J398497	2004	NIEA det I. O'Neill
	J398497	24 Aug 2011	I. O'Neill
Ballynahinch: upstream	J351524	26 Jun 1996	R.G. Mathers
brackish ditches between Queen's Quay and Connswater - site now destroyed	J37	pre-1888	S.A. Stewart
Ballymacarret, Belfast	J3574	pre-1888	S.A. Stewart
Victoria Park, Sydenham Rd., Sydenham	J3675	1878	T.H. Corry
Blackstaff River at Tullymurphy Bridge	J429211	24 Aug 2011	I. O'Neill
Blackstaff River: upstream	J430419	22 Jul 1996	P. Randall & J. Preston
Quoile Pondage Basin	J49604720	06 Sep 2002	D.T. Holyoak
Downpatrick Marshes	J4743	1896	C.H. Waddell
Annacloy: upstream & downstream	J480455	22 Jul 1996	R.G. Mathers & M. Rose
drains between Strangford Lough and canal at Shore Road, Newtownards	J47W	1946	R.D. Meikle
Quoile Barrage, Hare Island - washed up in quantities in brackish water	J505494	12 Sep 1991	W.E. Harrison & J. Harron
River Blackwater at Ardmillan	J503624	2004	NIEA det I. O'Neill
Rainey Island, Strangford Lough	J525632	20 Sep 1985	Habitat Survey Team, EHS
Ballycroghan, Bangor	J58	pre-1888	R.Ll. Praeger

***Lemna minuta* Kunth**

Least Duckweed

Euro.: **not listed**Ir.: **not listed**Local: **Uncategorised**N.I.: **not listed**Brit.: **not listed**Last seen: **2021**

A neophyte floating aquatic that occurs in still and slow-moving waters of ponds, streams and rivers. This species is spreading rapidly particularly in the north of the county. This species now exceeds the local criteria.

ALISMATACEAE***Baldellia ranunculoides* (L.) Parl.**

Lesser Water-plantain

Euro.: **Near Threatened**Ir.: **RDB Least Concern**

Local:

N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2011**

A native aquatic perennial that may be found in wet places or shallow still or gently flowing water. It has been lost from many of the earlier sites, but may still be found in east Down and by Lough Neagh. Workers have not distinguished between either of the two subspecies. While apparently declining, it does not fit the local criteria and is included because of its British RDB category.

Location	Grid Ref.	Date	Recorder
Barrack Hill Quarry	J094484	14 Jun 1988	Northern Ireland Lake Survey
Shan Port-Kinnegoe Point, Lough Neagh	J06	16 Jun 1988	NIEA
Shoreline at Annaghdroghal, Lough Neagh	J0763	14 Aug 2004	J. Harron
	J079637	26 Sep 1971	J. Harron
Ellis's Gut, Lough Neagh	J0862	08 Aug 2001	P. Hackney, G.V. Day & J.W.D. Semple,

Location	Grid Ref.	Date	Recorder
Greenan Lough	J119232	01 Aug 1996	NIEA
	J119232	21 Aug 2006	ENSIS
	J119233	26 Jul 1988	Northern Ireland Lake Survey
	J119233	01 Aug 1996	NIEA
	J12B	21 Jul 1987	J. Harron
Mill Pond, Aghnamoira	J127210	08 Aug 1987	J. Harron
Milltown Lough	J133235	25 Jul 1990	Northern Ireland Lake Survey
Donaghaguy Reservoir	J142204	23 Aug 1989	Northern Ireland Lake Survey
Ballymagin	J15	Jul 1894	C.H. Waddell
Ballymagin, NW of Magheralin	J1259	1894	C.H. Waddell
Corbally Ponds Fen, Carrickinab	J441386	25 Jul 1996	NIEA
Minerstown	J482372	18 Aug 2002	J. Harron
Pollramer Lough	J404493	1994	Fenbase Surveyors
	J404496	1893	C.H. Waddell
Lough Mann N, Drumnaconagher Td	J4149	1893	C.H. Waddell
Loughinisland Lake, Tievenadarragh	J425452	01 Aug 1989	Northern Ireland Lake Survey
Loughinisland Lake	J44H	19 Aug 1983	J. Harron
Ballyrolly (Dead Sheep) Fen	J439410	1994	Fenbase Surveyors
Derryboy Lough	J4756	11 Jul 1988	J. Harron
	J472563	20 Jul 1989	Northern Ireland Lake Survey
Heron Lough	J497582	05 Jul 1987	J. Harron & W.E. Harrison
Conlig Hill	J47	Sep 1886	R.L. Praeger
	J491762	1884	R.L. Praeger
	J493766	Jun 1968	J. Harron & W.E. Harrison
Newtownards	J4974	1864	J. Darragh
Carrigullian Lough	J500585	24 Jul 1991	NIEA
	J501584	1968	W. Stewart
	J501587	23 Aug 2006	ENSIS
Strand Td: un-named reservoir	J525379	27 Jul 1988	Northern Ireland Lake Survey
Strand Lough, Killough	J536374	18 Aug 2006	ENSIS
Newtown Fen, Sheepland More	J58003975	06 Sep 1993	M. Bailey
Strangford	J54	08 Aug 1897	S.A. Stewart
Ballysallagh Td, 4km SE of Downpatrick (unlocalised)	J531428	07 Jul 2002	J. Harron
Slievenagriddle nr. Lough Money	J533452	24 Jul 1987	J. Harron & W.E. Harrison
Ballynagross Lower ASSI	J537434	Aug 1996	NIEA
	J53754349	16 Sep 1993	J. Firth & M. Bailey
	J538435	25 Jul 1996	NIEA
Tullyratty Td, Castle Ward Estate	J5549	1986	R.S. Weyl
Great Dam	J565478	18 Aug 2002	J. Harron
	J566479	16 Aug 1987	C.D. Preston, R.S. Forbes, S. Beesley, P. Hackney et al.
	J566479	19 Jul 1989	Northern Ireland Lake Survey
Whitehills, near Strangford Village	J566480	22 Jun 1989	J. Wilde, John

Location	Grid Ref.	Date	Recorder
Castle Ward Estate, Strangford Lough	J570490	25 Jun 1992	M. Flatt
Ballyherly Lough	J55	19 Sep 1990	J. Harron
Clea Lakes	J5055	1987	C.D. Preston
	J505554	29 Jun 1988	Northern Ireland Lake Survey
	J507546	16 Aug 1987	C.D. Preston, R.S. Forbes, S. Beesley, P. Hackney et al.
Ballyherly Lough, Ards Peninsula	J5952	09 Aug 2011	R.S. Weyl
Ballyholme	J58	Jun 1850	W.M. Hind

Alisma lanceolatum With.
Narrow-leaved Water-plantain

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2013**

A scarce, native aquatic perennial that occurs in shallow water or wet mud in loughs and rivers. It was first recorded in 1970 at Annaghdroghal and was still at that site in 1997. It has also been found nearby at Ellis's Gut, Gilford, Rostrevor and Strand Lough. This species is probably endangered in the county because of habitat change.

Location	Grid Ref.	Date	Recorder
River Bann, Gilford	J079484	04 Sep 1996	R.G. Mathers & P. Randall
Ellis's Gut, Lough Neagh	J06	1982	R. Davidson
Annaghdroghal, Lough Neagh - shoreline	J079635	08 Aug 1970	J. Harron
	J079636	20 Sep 1971	J. Harron
	J079639	18 Aug 1997	J. Harron
	J079636	14 Aug 2004	J. Harron
	J078635 J081630	21 Aug 2013	J. Harron & I. McNeill
Green Park Bridge, Rostrevor	J175192	28 Jul 1997	Water Management Unit, EHS
Strand Lough, Killough - one plant	J535374	01 Aug 2004	R.S. Weyl

HYDROCHARITACEAE

Hydrocharis morsus-ranae Linnaeus
Frogbit

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2013**

A rare, native perennial floating plant that is found in shallow still water of ponds and ditches. It was first recorded pre-1825 by J. Templeton, and at only at four sites since then. This plant appears to have always been rare in county Down, and has declined. It remains vulnerable to further losses and may be extinct in the county.

Location	Grid Ref.	Date	Recorder
bog-hole near Portaferry, Ards Peninsula	J55	pre-1825	J. Templeton
Bishop's Mill, Ardkeen, Ards Peninsula	J5956	1903	R.Ll. Praeger
Lough Cowey, Ards Peninsula	J5954	1904	R.Ll. Praeger
	J5954	1946	E.N. Carrothers
small marsh to north of Ballyherly Lough, Ards Peninsula	J597536	19 Sep 1990	J. Harron
Glastry Clay Pits, Ards Peninsula -introduction in 2001, gone now	J638628	21 Oct 2001	G.V. Day
	J6363	31 Aug 2002	G.V. Day
	J638628	Sept 2002	G.V. Day
	J6362 J6363	03 Jul 2013	G.V. Day

ZOSTERACEAE***Zostera marina* L.**

Eelgrass

Euro.: **not listed**Ir.: **not listed**Local: **Uncategorised**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2022**

A native marine plant found on muddy and sandy substrates from about the half-tidemark to the sublittoral. The population appears stable. The species exceeds the local criteria and is only included here because of the GB RDB category.

***Zostera noltei* Hornem.**

Dwarf Eelgrass

Euro.: **not listed**Ir.: **not listed**Local: **Uncategorised**N.I.: **not listed**Brit.: **RDB Vulnerable**Last seen: **2022**

A native marine plant found on muddy substrates from about upper tide to half-tide mark. The population appears stable. The species exceeds the local criteria and is only included here because of the GB RDB category.

POTAMOGETONACEAE***Potamogeton alpinus* Balbis**

Red Pondweed

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **2018**

A scarce, native aquatic perennial that has occurred in loughs and slow-moving water. It was first recorded in 1866 from the Lagan Canal and appears now to be declining, probably due to eutrophication. The population of this species is vulnerable.

Location	Grid Ref.	Date	Recorder
Newry Canal at Goragh Wood	J0631	1873	S.A. Stewart det. J.E. Dandy & G. Taylor
River Lagan at Banoge Bridge, Lappoges	J123538	06 Jun 2008	I. O'Neill
Burren River near Castlewellan Road, Newcastle	J33	1917	J. Glover & C.H. Waddell det. J.E. Dandy
Altnadua Lough	J313349	26 Jul 1990	N.I. Lake Survey
Newcastle - stream nearby	J3731	1938	J.P.M. Brennan det. J.E. Dandy
Lough Erne	J323567	17 Jul 1989	N.I. Lake Survey
Ballykine Loughs	J3553	1886	R.Ll. Praeger det. J.E. Dandy
	J356537	18 Jul 1989	N.I. Lake Survey

Location	Grid Ref.	Date	Recorder
Dairy Lough	J3755	1937	R.Ll. Praeger det. J.E. Dandy
	J371555	28 Jul 1973	J. Harron
	J370554	05 Jun 1990	N.I. Lake Survey
	J369553	03 Jul 1999	J. Harron
Long Lough, 3km north-east of Ballynahinch	J375559	08 Jun 1989	N.I. Lake Survey
Greer's Lough	J388549	12 Aug 1988	N.I. Lake Survey
Shaw's Bridge, River Lagan	J325690	25 Aug 2011	I. O'Neill
	J325689	1952	G. Taylor
Lagan Canal, Belfast	J36 or J37	1866	S.A. Stewart det. J.E. Dandy
River Lagan just below third lock	J37	1941	Unknown
Carrickinab Ponds South	J45103822	14 Sep 2018	R. Anderson
Ballywillin Lough	J481532	23 Aug 1990	N.I. Lake Survey
Ardigon Lough, west of Donard View	J486538	20 Jul 1989	N.I. Lake Survey
Un-named lough north-east of Brick Hall	J487543	01 Jul 1988	N.I. Lake Survey
Tullyveery Lough	J498551	18 Jul 1989	N.I. Lake Survey
Magherascouse Lough	J4464	1867	S.A. Stewart
Mill Pond, Shrigley	J517542	18 Jul 1989	N.I. Lake Survey

***Potamogeton* x *angustifolius* J. Presl (*P. lucens* x *P. gramineus*)**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2017**

A rare hybrid, found in slow streams.

Location	Grid Ref.	Date	Recorder
Lough Neagh	J0763	1913	S.A. Bennett (<i>Hackney 1992 states S.A. Stewart but this is an error</i>)
Lagan Canal near Blaris	J2563	1894	S.A. Stewart conf. J.E. Dandy
Castlewellan Lake	J33	1897	C.H. Waddell conf. J.E. Dandy
	J3236	1990	N.I. Lake Survey
	J326368	21 Aug 2006	ENSIS det T. Waterman
	J31743682 J3336	23 Jul 2017	G.V. Day
Shaw's Bridge, River Lagan – below bridge	J325692	1952	G. Taylor
Lough Money	J532461	1986	R. Weyl conf. C.D. Preston

***Potamogeton coloratus* Hornem.**

Fen Pondweed

Euro.: **Least Concern**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **2**Last seen: **2018**

A scarce, native perennial aquatic plant that occurs in shallow pools in marshes and is mostly local to the area of east county Down where calcareous drift prevails. It was first recorded in 1902, and is now absent from many of the early stations, probably because of drainage and agricultural development. However, it has been located at several new sites and the county population of this species appears stable. It has also been regularly recorded at Loughkeelan, which is managed as an ASSI. The population of this species is at low risk.

Location	Grid Ref.	Date	Recorder
Cullion Road Ponds	J156292	1994	Fenbase Survey
Rathmullan Marsh, Tyrella	J43	1902	R.Ll. Praeger
Ballydonnell, Lecale	J450387	1986	J. Harron
Carrickinab Ponds South	J451382	25 Jul 1996	Habitat Survey Team, EHS
Ballykilbeg	J44K	10 Oct 1987	J. Harron
Turmennan Fen	J48515034	12 Sep 2018	R. Anderson
Ballycam fen	J523348	1994	Fenbase Survey
Knockavally at Killough	J523356	26 Oct 2002	J. Harron
Ballysugagh fen	J52004660	14 Sep 1993	Fenbase Survey det. M. Bailey
Ballymurry, 4km east of Downpatrick	J537437	1986	R.S. Weyl
Lecale	J54	post-1987	I. Rippey
Tobermoney, south-east of Downpatrick	J54	1902	R.Ll. Praeger
Ballymenagh House, near Bishops court	J556428	1902	R.Ll. Praeger
Carrowcarlin	J558487	26 Sep 1987	J. Harron
	J5548	1989	R.S. Weyl
Loughkeelan	J563453	1981	R.S. Weyl & R.J. Bleakley
	J563453	24 Aug 1986	Habitat Survey Team, EHS
	J5645	1986	J. Harron
	J5645	1987	Habitat Survey Team, EHS
	J563453	21 Aug 1989	N.I. Lake Survey
	J563453	26 Jul 1990	Habitat Survey Team, EHS
	J56154508	07 Oct 1993	Fenbase Survey
	J5645	Aug 1997	Habitat Survey Team, EHS
	J56134510	03 Jul 2002	G.V. Day & J. Harron
Whitehills Dam	J567477	18 Aug 2002	J. Harron
bog holes 2.4km north-east of Portaferry, between Portaferry and Cloghy, Ards Peninsula	J5950	1903	R.Ll. Praeger

Potamogeton friesii Rupr.
Flat-stalked Pondweed

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: 1

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1986**

A rare, native aquatic calcicole perennial plant that has occurred once as a drift specimen in shallow water in the northern extension of the Clea lakes. It may still be present at this site, and if so is probably endangered due to eutrophication.

Location	Grid Ref.	Date	Recorder
Clea Lakes	J507558	1986	J. Harron

Potamogeton gramineus Linnaeus
Various-leaved Pondweed

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2018**

A scarce, native perennial aquatic plant that usually occurs in shallow water in rivers and loughs. It was first recorded in 1813, but has not been seen recently at some of its early stations. However, it has been recorded over a long period at Derryleckagh and Loughinisland Lakes, and was located at Lough Money in 1987 and Greenan Lough in 1996. This species appears to have declined, probably due to eutrophication and is vulnerable to further losses.

Location	Grid Ref.	Date	Recorder
pool by Lough Neagh at Annaghdroghal	J0863	1911	C.H. Waddell
Greenan Lough	J117235	21 Jul 1987	J. Harron
	J119233	26 Jul 1988	N.I. Lake Survey
	J119232	01 Aug 1996	Habitat Survey Team, EHS
	J119233	01 Aug 1996	Habitat Survey Team, EHS
	J119232	21 Aug 2006	ENSIS det. T. Waterman
	J118234	20 Jun 2015	ENSIS
Derryleckagh Lake	J12	pre-1938	R.Ll. Praeger
	J129257	01 Aug 1989	N.I. Lake Survey
Ballynahinch	J35	1813	J. Templeton
Loughinisland Lake	J4145	1929	N.D. Simpson & J.P.M. Brennan
	J44H	19 Aug 1983	J. Harron
	J425452	01 Aug 1989	N.I. Lake Survey
river near Ballynahinch	J45	1813	J. Templeton
Lough Money	J532461	Unknown	R.S. Weyl
	J532461	1987	C.D. Preston
	J5345	14 Aug 2010	G.V. Day
	J532452	13 Jun 2018	N.F. Stewart

Potamogeton lucens Linnaeus
Shining Pondweed

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2004**

A scarce, native aquatic perennial calcicole plant that has occurred in relatively deep clear water in ponds, loughs and slowly moving water of streams, rivers and canals. It was first recorded in 1873, but has been lost from some early sites. However, it has been found at new stations in the south and east of the county. The population of this species is vulnerable due to eutrophication.

Location	Grid Ref.	Date	Recorder
stream at Goragh Wood	J03	1873	S.A. Stewart conf. J.E. Dandy
Lagan Canal (disused) - between two locks closest to Lough Neagh	J06	1941	Unknown
Annaghdroghal, Lough Neagh - shoreline	J079637	18 Aug 1997	J. Harron
Crown Bridge, Clanrye River	J108275	22 Jun 1998	Water Management Unit, EHS
	J108275	2004	Water Management Unit det I. O'Neill
Lagan Canal	J37	1894	S.A. Stewart conf. J.E. Dandy

Location	Grid Ref.	Date	Recorder
Corbally Ponds fen	J441386	25 Jul 1996	Habitat Survey Team, EHS
Carricknab Ponds south	J451382	25 Jul 1996	Habitat Survey Team, EHS
Ballyherly Lough	J595525	1984	P. Hackney det. N.T. Holmes
	J595525	1989	C.D. Preston
	J596526	06 Jun 1990	N.I. Lake Survey

***Potamogeton* x *nitens* Weber (*P. gramineus* x *P. perfoliatus*)**Euro.: **not listed**Ir.: **not listed**Local: **1**N.I.: **not listed**Brit.: **not listed**Last seen: **2011**

A rare hybrid, first found in 1887 and last seen 2011 after a gap of 73 years.

Location	Grid Ref.	Date	Recorder
River Lagan by mill at Magheralin	J1258	1938	J.P.M. Brenan & N. D. Simpson
River Lagan at Drumcro, Magheralin	J1358	1904	C.H. Waddell conf. J.E. Dandy
Lough Aghery	J2953	1887	S.A. Stewart conf. J. E. Dandy
River Lagan at Shaw's Bridge	J325687	24 Jun 2011	M. Wright
Annsborough Lake	J3637	pre-1895	S.A. Stewart det. S.A. Bennett

***Potamogeton praelongus* Wulfen**

Long-stalked Pondweed

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2011**

A scarce, native perennial aquatic plant that usually occurs in water over 1m deep in loughs, canals and rivers. It has declined, presumably as a result of eutrophication and now appears absent from most of the north of the county where it previously occurred, including the site where it was first recorded in 1887. It was found in the mid and late 1980s in the centre of the county and may now be restricted to this area. It may be endangered due to deterioration in water quality.

Location	Grid Ref.	Date	Recorder
Newry Canal at Goragh Wood	J0631	1893	R.Ll. Praeger conf. J.E. Dandy
80m above Moss Gate Lock, Lagan Canal	J06	1941	Unknown
Lagan Canal near Moira	J1661	1920	S.A. Bennett & C.D. Chase
Lough Aghery, 3.5km north of Dromara	J2953	1887	S.A. Stewart conf. J.E. Dandy
old canal at M1 Bridge, River Lagan	J299677	06 Jul 1977	P. Hackney
below Shaw's Bridge, River Lagan	J325689	1952	G. Taylor
above Shaw's Bridge, River Lagan	J325689	1975	P. Hackney conf. J.E. Dandy
River Lagan - Belfast to Moira	J37	1866-1941	Unknown det. J.E. Dandy
Ardigon lough, west of Donard View	J486537	22 Jul 1988	W.E. Harrison & J. Harron
Jericho Lough	J488549	1986	J. Harron

Location	Grid Ref.	Date	Recorder
in two of the Ardigon loughs between Killyleagh and Crossgar	J4953	1986	J. Harron
Tullyveery Lough	J498551	1989	N.I. Lake Survey
Clea Lakes	J5055	29 Jul 2011	G.V. Day
Mill Pond, Tullyveery	J517542	18 Jul 1989	N.I. Lake Survey

Potamogeton x sparganifolius Laest. ex Fr. (*P. natans* x *P. gramineus*)Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1982**

A very rare hybrid, found once in the Upper Bann in 1982.

Location	Grid Ref.	Date	Recorder
White Bridge, Upper River Bann	J049499	1982	P. Hackney

Potamogeton x undulatus Wolfg. (*P. praelongus* x *P. crispus*)Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1996**

Apparently restricted to the river Lagan and its associated canals and drains.

Location	Grid Ref.	Date	Recorder
New Forge and Magheralin	J129581	1977	P. Hackney det. P. Hackney & N.T. Holmes
New Mill Bridge, Lagan, Clare, Moira	J164598	1977	P. Hackney det. P. Hackney & N.T. Holmes
River Lagan at Edenderry	J3167	1975	P. Hackney
Lagan Canal at Edenderry	J3267	1975	P. Hackney
River Lagan	J3268	1975	P. Hackney
	J3369	1975	P. Hackney
	J3469	1975	P. Hackney
	J320675 J325694 J332695	Sep 1996	S. Wolfe-Murphy det C.D. Preston
Shaw's Bridge, River Lagan	J35690	1990	C.D. Preston
Belvoir Park Forest, beside Lagan	J340697	Aug 1974	P. Hackney
Stranmillis to Magheralin	J37	unknown	Unknown

Stuckenia filiformis (Pers.) Borner
Slender-leaved PondweedEuro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **1**Last seen: **2013**

A rare, native aquatic perennial that occurs in shallow water on gravelly or sandy substrates. It was first recorded in 1971 and appears restricted to the north-west of the county about Lough Neagh and near Moira. The population of this species may be increasing or it may have been under-recorded, but remains vulnerable.

Location	Grid Ref.	Date	Recorder
Lagan Canal (disused) - north of foot	J06	1971	J. Harron
Annaghdroghal, Lough Neagh - shoreline	J079637	20 Sep 1971	J. Harron
	J079635	19 Jun 1991	N.I. Lake Survey
	J0763	21 Aug 2013	J. Harron & I. McNeill
Legmore Quarry	J135611	07 Jun 1988	N.I. Lake Survey
Portavo Reservoir	J5582	04 Aug 2011	G.V. Day

RUPPIACEAE

Ruppia maritima Linnaeus
Beaked Tassel-weed

Euro.: **not listed**
Ir.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2022**

A scarce, native aquatic found in shallow brackish lakes, ponds and ditches on salt marshes and coastal grassland. It was first recorded in 1890 at Blackstaff Bridge and was still present at that site in 1937. It was not seen again in Down until 1974, but several new sites have been found from the 1980s onwards. The general scarcity of reports may be because it has been overlooked by botanists in the county. The county population of this species is probably at low risk as its stations are not likely to be developed.

Location	Grid Ref.	Date	Recorder
Victoria Park Lake	J367754	26 Aug 1988	N.I. Lake Survey
	J367753	17 Aug 1994	H.E. Donnan
Castle Espie	J495674	09 Aug 1994	H.E. Donnan
Island Hill, Strangford Lough	J493689	23 Sep 2003	G.V. Day
Strand Lough, Killough	J535374	27 Jul 1988	N.I. Lake Survey
Strand Lough, Killough	J536374	18 Aug 2006	ENSIS det T. Waterman
The Slumps, Gransha	J5959	15 Jul 2022	G.V. Day
north side of Rolly Island, Strangford Lough	J520650	Sep 1974	O. Morton
Greyabbey Lake (Bird Sanctuary)	J582675	19 Jul 1989	N.I. Lake Survey
Horse Island	J59586095 J59596099	29 Aug 2022	G.V. Day
shore south of Horse Island, Strangford Lough	J598602	2001	R.S. Weyl
Templecowey, Holy Wells - brackish pool	J628476	2003	R.S. Weyl
	J62844767	07 Jul 2006	G.V. Day & P. Hackney
	J62844767 J629475	06 Aug 2006	G.V. Day & J.D. Nunn
	J62844766 J62954766	03 Aug 2022	G.V. Day
Saltwater Bridge, Blackstaff River	J605596	1890	R.Ll. Praeger
	J605596	1935-1937	R.Ll. Praeger
Rowreagh, Strangford Lough	J60126154	2013	NIEA

Ruppia spiralis L. ex Dumort.
Spiral Tassel-weed

Euro.: **not listed**
Ir.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

N.I. Species of Conservation Concern March 2004

A scarce, native perennial aquatic that is more tolerant of saline conditions than *R. maritima* and occurs in similar situations such as brackish coastal lakes, ponds, ditches and tidal inlets. It was first recorded in the Connswater in 1876 and has occurred at various stations mostly in the north of the county. This species has declined, in some cases due to development, and there are only two recent stations, one of which has been destroyed. The county population of this species is probably at risk due to agricultural improvements and climate change.

Location	Grid Ref.	Date	Recorder
Connswater	J3673	1876	S.A. Stewart
	J3673	1884	S.A. Stewart
Victoria Park Lake	J3675	1900	C.H. Waddell
	J3675	1914	S.A. Bennett
	J367754	26 Aug 1988	N.I. Lake Survey
Kinnegar	J3978	pre-1888	S.A. Stewart
	J3978	1935-1937	R.Ll. Praeger
River Quoile at Downpatrick	J4946	1961	M.S. Gunning
Comber	J4669	1886	S.A. Stewart
Castle Espie	J4967	1885	S.A. Stewart
	J4967	1956	M.S. Gunning
Newtownards	J4974	1886	S.A. Stewart
	J4974	1935-1937	R.Ll. Praeger
Gransha Point, Strangford Lough	J593597	30 Aug 1991	J. Harron
Anne's Point, Strangford Lough – gone now	J557687	2002	R.S. Weyl

DIOSCOREACEAE

Tamus communis Linnaeus
Black Bryony

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

An introduced perennial twining climber first recorded in 2003, but apparently present for some years in a hedgerow.

Location	Grid Ref.	Date	Recorder
Priests' Bridge, Tullybrannigan, Shimna River	J3632	Jul 2003	A. McComb
	J36223198	30 Sep 2003	G.V. Day & A. McComb

ORCHIDACEAE

Cephalanthera longifolia (Linnaeus) Fritsch
Long-leaved Helleborine

Euro.: **Least Concern**
Ir.: **FPO; RDB Vulnerable**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1694**

A striking native perennial usually found in old base-rich woods. It has only been recorded once, on a rotten bog by a lough side (probably Dairy Lough) at Creevytenent, Ballynahinch and was gone by 1870 (S.A. Stewart). It is extinct in the county.

Location	Grid Ref.	Date	Recorder
Creedytenent, Ballynahinch	J3755	1694	W. Sherard

Epipactis palustris (Linnaeus) Crantz
Marsh Helleborine

Euro.: **not listed**

N.I.: **WO**

Ir.: **RDB Least Concern**

Brit.: **RDB Least Concern**

Local: **Extinct**

Last seen: **1820**

N.I. Species of Conservation Concern March 2004

An attractive native perennial usually found on seasonally wet ground. It was recorded once in a marshy field near Belfast Lough, and is extinct in the county.

Location	Grid Ref.	Date	Recorder
north of Knocknagoney Hill	J3877	06 Jul 1820	J. Templeton

Neottia nidus-avis (Linnaeus) Rich.
Bird's-nest Orchid

Euro.: **Least Concern**

N.I.: **not listed**

Ir.: **RDB Least Concern**

Brit.: **RDB Near Threatened**

Local: **1**

Last seen: **2012**

A striking native saprophyte found on deep leaf litter in woods. It was first recorded in 1885, and has occurred in wooded glens, demesnes and native woodland in the north and east of the county. This species is vulnerable to disturbance and has declined.

Location	Grid Ref.	Date	Recorder
Rostrevor Oakwood NNR	J1816	1983	P. Hackney
Tollymore Forest Park	J3532	1885	H.W. Lett
	J3532	1900	C.H. Waddell
	J34473179	17 Jun 2012	J.D. Nunn
Old Edenderry House	J318681	1971	R. Piper & P. Hackney
Belvoir Park Forest	J3469	1921	BNFC
Rademon Estate	J4352	1938	R.Ll. Praeger
Castle Espie	J4967	unknown	<i>Hackney 1992</i>

Neottia cordata (Linnaeus) Rich.
Lesser Twayblade

Euro.: **Least Concern**

N.I.: **not listed**

Ir.: **RDB Least Concern**

Brit.: **RDB Least Concern**

Local: **2**

Last seen: **2019**

A small native perennial usually found among moss under heather on mountains, on bogs and heaths, and in woods. It was first recorded before 1825, and was previously present in the north of the county and on most of the higher Mourne mountains. It has declined and now appears to be more restricted in the Mournes. The decline of this species is probably due to loss of habitat e.g. through grazing, and it appears to remain vulnerable.

Location	Grid Ref.	Date	Recorder
Eagle Mountain	J22	1889 or 1890	<i>Stewart & Praeger 1892</i>
Castle Bog, Mourne Mountains	J230234	25 Jul 1991	C. Wilson & S. Gallagher
	J230235	22 Apr 1991	C. Wilson
Carn Mountain	J2826	1889 or 1890	<i>Stewart & Praeger 1892</i>
Slieve Shannagh	J22	1889 or 1890	<i>Stewart & Praeger 1892</i>
by Lough Shannagh	J29222591	11 Aug 2019	G.V. Day & V. Macartney
above Lough Shannagh, Mourne Mountains	J2926	1970-1975	R. Piper
near Lough Shannagh, Mourne Mountains	J296257	13 Jul 1990	C. Wilson & C. Byrne

Location	Grid Ref.	Date	Recorder
Ballaghbeg at Newcastle	J32	pre-1864	D. Orr
Slieve Bearnagh	J3128	1889 or 1890	<i>Stewart & Praeger 1892</i>
	J3213228553	16 Jun 2018	J. Dalzell
Slieve Bignian	J3323	1889 or 1890	<i>Stewart & Praeger 1892</i>
Slieve Commedagh	J3428	1889 or 1890	<i>Stewart & Praeger 1892</i>
Slieve Donard, Mourne Mountains	J32	1889 or 1890	<i>Stewart & Praeger 1892</i>
	J358277	1992	J.A. Lister , M. Flatt & P. Jackson
Crannoge, Chimney Rock Mountain	J362267	2009	D. McNeill
Chimney Rock Mountain, Glasdrumman Upper Td	J374260	14 Sep 1994	Habitat Survey Team, EHS
Tullynasoo near Castlewellan	J33	pre-1938	C.R. Nodder
above Dundonald	J47	pre-1864	D. Orr
Newtownards Park	J47	pre-1825	J. Templeton
Ballynagross Lower ASSI	J538435	25 Jul 1996	Habitat Survey Team, EHS
	J537434	Aug 1996	Habitat Survey Team, EHS
Thorn Island Bog, 4km SW of Donaghadee	J5570	pre-1888	S.A. Stewart
Killard NNR	J609433	05 Jul 2018	C. Finlay

***Hammarbya paludosa* (Linnaeus) Kuntze**

Bog Orchid

Euro.: **Least Concern**N.I.: **WO**Ir.: **FPO; RDB Near Threatened** Brit.: **RDB Least Concern**

Local: 1

Last seen: **2007****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A small native plant found on wet bogs where there is some water movement. It was first found in 1992 and is only known from one locality in the west Mourne Mountains where at present it appears at low risk.

Location	Grid Ref.	Date	Recorder
Cassy Water, Mourne Mountains - 24 flowered and fruiting plants	J226204	26 Aug 1992	J. Harron
Cassy Water, Mourne Mountains - 9 plants and flowers	J22492012	21 Aug 2002	J. Harron & G.V. Day
Cassy Water, Mourne Mountains - 8 plants and flowers	J22902018	21 Aug 2002	J. Harron & G.V. Day
Cassy Water, Mourne Mountains - 8 plants	J22492011	20 Aug 2005	G.V. Day & J.D. Nunn
Cassy Water, Mourne Mountains - 8 plants and flowers	J22492012	19 Aug 2007	J.D. Nunn
Cassy Water, Mourne Mountains - 3 plants and flowers	J22472012	19 Aug 2007	J.S. Faulkner

***Spiranthes romanzoffiana* Cham.**

Irish Lady's Tresses

Euro.: **Near Threatened**N.I.: **WO**Ir.: **RDB Near Threatened**Brit.: **RDB Least Concern**

Local: 1

Last seen: **2003****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A native plant of acidic wet pastures and lough shores. This species has been recorded from four stations in county Down, and is endangered in the county because the sites of many of the most recent (1980s) records have been destroyed by flooding and agricultural improvement.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh	J0863	1911	N. Carrothers & C.H. Waddell
Kilmore by Lough Neagh	J0962	1911	N. Carrothers
New Bridge, Upper Bann	J245284	22 Jul 2003	G.V. Day & P. Hackney
three plants on stony north shore of Lough Island Reavy, site now submerged	J291346	02 Aug 1989	J. Harron
lower slopes below Wee Binnian at c.200m - site destroyed by 2002	J317213	1980	W.I. McNeill

Spiranthes spiralis (Linnaeus) Chevall.

Autumn Lady's-tresses

Euro.: **Least Concern**Ir.: **RDB Near Threatened**Local: **1**N.I.: **not listed**Brit.: **RDB Near Threatened**Last seen: **2023**

An attractive perennial found on grassy dunes at Killard NNR in 2023. It is protected at Killard, and is probably not threatened.

Location	Grid Ref.	Date	Recorder
Killard NNR – 150 plants	J60864312 to J60944310	13 Aug 2023	J. & J. Dalzell
	J60884311	15 Aug 2013	G.V. Day & J.D. Nunn

Platanthera bifolia (Linnaeus) Rich.

Lesser Butterfly-orchid

Euro.: **Least Concern**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Vulnerable**Last seen: **2013**

An attractive perennial found on heaths, flushes, marshy pastures and in open scrub. This species was first found before 1888 near Holywood and has mainly been recorded in north and south-east Down. Although a perennial there are few repeated records from the same stations, which suggests it is not persisting at these sites. This species appears vulnerable to loss of habitat from drainage and agricultural development.

Location	Grid Ref.	Date	Recorder
Derryleckagh Bog ASSI	J116256	17-18 Jun 1991	Habitat Survey Team, EHS
	J118255	1994	Fenbase Survey
Annalong	J3719	1960	W.A. Seaby
Castlewellan Forest Park	J3337	14 Aug 2013	D. Brown & J. Griffin
Carrigs River at Maghera	J364346	11 Jun 1992	W.E. Harrison & J. Harron
Maghera, 2km north-west of Newcastle - small marsh	J371356	11 Jun 1992	W.E. Harrison & J. Harron
Ballymenoch	J4179	pre-1888	R.Ll. Praeger
Craigantlet	J4376	1997	R.S. Weyl
Cairngaver Hill	J4576	1965-1967	J. Harron
Cotton Moss	J5379	1902	R.Ll. Praeger
Drumawhy, 2.5km east of Newtownards - 7 plants, site now destroyed	J54657586	23 Jun 2002	G.V. Day

Platanthera chlorantha (Custer) Rehb.
Greater Butterfly-orchid

Euro.: **Least Concern**
Ir.: **RDB Least Concern**

N.I.: **not listed**
Brit.: **RDB Near
Threatened**
Last seen: **2018**

Local: **2**

An attractive native perennial usually found on base-rich soils in open grassland. It has a scattered distribution mostly across the centre of the county and was first recorded in the late 1880's/early 1890's by Praeger at Holywood. One of the earliest records is from Rowallane, and this is also the location of the most recent records. It has been found at some new locations, but has not persisted at most of these. It has declined and appears vulnerable to loss of habitat from drainage and agricultural development.

Location	Grid Ref.	Date	Recorder
Cloghanramer Td	J095295	19 Jun 1992	J. Harron
Greenan Lough	J119232	01 Aug 1996	NIEA
Hillsborough Forest	J2458	1888	S.A. Stewart
Lough Aghery	J292536	1888	S.A. Stewart
Mullaghdrin Hill	J2952	10 Jul 1999	J. Harron
Annalong	J3719	1960	W.A. Seaby
Glasdrumman Port	J379222	14 Jun 2004	A. McComb
Castlewellan Forest Park	J3236	1985	P. Hackney & A. Newton
Bohill Meadows, Drumaness Td	J39704604 J39724600 J39724609 J39754617 J39754619 J39764607 J39764620 J39774618	03 Jun 1997	T. Waterman & G. Watson
Baileysmill	J324581	15 Jun 2010	M. Rafferty & M. Wright
Creevy Hill, Saintfield	J3956	1902	C.H. Waddell
Ballymacbrennan	J306629	05 Jul 1996	P. Cush & B. Hamill
Campbell College & Cabin Hill School, Belfast	J391745	1912-1914	S.A. Bennett
Seaforde Estate	J40524296	25 Jun 2010	S. Shepherd
Rowallane Garden, Saintfield	J409576	1897	C.H. Waddell
	J409575	Aug 1985	R. Boyd
	J41035788	24 Jun 2017	A. O'Doherty
	J41065790	22 Jun 2018	A. O'Doherty
Kilmore	J442500	12 Jul 1987	J. Harron
Aughnadarragh Lough	J442592	1888	S.A. Stewart
Cluntagh Td	J45V	23 Jun 1988	W.E. Harrison & J. Harron
Clandeboyne	J47	1888	S.A. Stewart
Holywood	J4079	1886-1892	R.Ll. Praeger
Conlig Hill	J491762	Jun 1968	W.E. Harrison & J. Harron
Conlig Lead Mines	J4976	24 Jun 1997	M. Wright
	J49207618	1998	R.S. Weyl
Castlemahon Mountain	J557477	18 Jul 1971	J. Harron

Pseudorchis albida (Linnaeus) Á. & D. Löve

Small-white Orchid

Euro.: **Least Concern**N.I.: **WO**Ir.: **FPO; RDB Vulnerable**Brit.: **RDB Vulnerable**Local: **Extinct**Last seen: **1891****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A small native perennial found on well-drained hill grassland near Newtownards. It was first recorded in 1883, but has been lost from the county, probably because of agricultural and forestry development.

Location	Grid Ref.	Date	Recorder
Cairngaver Hill	J4576	1883	S.A. Stewart
Conlig Hill	J4877	1891	R.Ll. Praeger

Gymnadenia borealis (Druce) R.M. Bateman, Pridgeon & M.W. Chase

Heath Fragrant-orchid

Euro.: **Data Deficient**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **1**Last seen: **2009**

This species usually grows in base-rich hilly pasture and has been recorded at a single site in county Down. Revisions in taxonomy have recently raised this taxon from subspecies to species. The Fragrant-orchids can be difficult to identify, and some workers will not have segregated the subspecies, so it is possible that some records for *G. conopsea* belong here. This species appears to be at low risk at the Conlig Lead Mines, as the site is managed to support the flora.

Location	Grid Ref.	Date	Recorder
Conlig Lead Mines/Whitespots Country Park – not re-found June 2023	J494766	24 Jun 1989	R. Anderson
	J49197680	15 Jun 2008	G.V. Day
	J49207689		
	J492768	Jun 2009	R.S. Weyl
	J493764		

Gymnadenia conopsea (Linnaeus) R. Br

Chalk Fragrant-orchid

Euro.: **Least Concern**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **1**Last seen: **2013**

An attractive native perennial found in pastures, fens, heaths or banks with base-rich soil. It has occurred in the east of the county and has most recently been recorded near Downpatrick and Newtownards. It was first recorded in 1875 on Conlig Hill and was still present at this site in 1967, but has since been lost from this and some other sites, probably because of development. This species appears to be at low risk at Loughkeelan ASSI and at the Conlig Lead Mines, as these sites are managed to support the flora.

Location	Grid Ref.	Date	Recorder
on banks of fairly recent road cutting near Downpatrick, road to Crossgar	J4746	1980s	R. Piper
Hollywood	J4079	1886	R.Ll. Praeger
Cairngaver Hill	J4576	1885	S.A. Stewart
	J4576	1889	R.Ll. Praeger
	J4576	1965-1967	J. Harron
Conlig Hill	J4877	1875	S.A. Stewart
	J4877	1893	S.A. Stewart
	J4877	1965-1967	J. Harron
Conlig Lead Mines/Whitespots Country Park – not re-found June 2023	J4976	24 Jun 1997	M. Wright
	J49027621	1998	R.S. Weyl
	J49227688	1998	R.S. Weyl
	J49217690	30 May 2009	G.V. Day & J.D. Nunn

Location	Grid Ref.	Date	Recorder
Carrowcarlin fen	J559488	1986	R.S. Weyl
Loughkeelan - south side	J5645	1959	R.C. Davidson
Loughkeelan	J5645	1980	R.S. Weyl & R.J. Bleakley
	J563453	1981	R.S. Weyl & R.J. Bleakley
	J563453	26 Jul 1990	Habitat Survey Team, EHS
	J563453	1994	Fenbase Survey
	J5645	Aug 1997	Habitat Survey Team, EHS
	J561451	11 Aug 2013	J. Harron
Whitehills	J5648	1945	E.N. Carrothers, R.D. Meikle & J.McK. Moon

***Gymnadenia densiflora* (Wahlenb.) A. Dietr.**

Marsh Fragrant-orchid

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Data Deficient**Local: **Extinct**Last seen: **1959**

This species usually grows in moist base-rich pasture and fens, and has also been recorded from damp heathy ground at Whitehills. It has not been seen since 1959, and is probably extinct in the county.

Location	Grid Ref.	Date	Recorder
Loughkeelan - south side <i>Carrothers & Moon 1960</i>	J564452	1959	R.C. Davidson
Whitehills, Strangford <i>Meikle 1950</i>	J5648	1945-1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon det. P.F. Hunt

***Coeloglossum viride* (Linnaeus) Hartm.**

Frog Orchid

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Near Threatened**Brit.: **RDB Vulnerable**Local: **1**Last seen: **2018****N.I. Priority Species 2023**

A native perennial found on calcareous heaths, short pastures, and dune grassland. This species was first recorded in 1864 at Newtownards, but has declined greatly and is now absent from this and most other stations where it was previously found. The decline is due to agricultural and other developments. It is still present at Killard NNR where it is protected and was first found in 1907. The population of this species is at low risk at Killard.

Location	Grid Ref.	Date	Recorder
Kilbroney Valley	J11 or J12	1889 or 1890	<i>Stewart & Praeger 1892</i>
north of Annalong	J32	1889 or 1890	<i>Stewart & Praeger 1892</i>
Ballykinler	J4235	pre-1938	C.R. Nodder
Newtownards	J47	1864	J. Darragh
Hollywood - dry pastures	J4079	1886	R.Ll. Praeger
Cairngaver	J4576	pre-1888	R.Ll. Praeger
Conlig Hill	J4877	pre-1895	R.Ll. Praeger
Ulster Folk Museum, Bangor Road, Cultra	J4280	29 Jun 2009	P. Hackney & A. Hill
Greyabbey	J577677	02 Oct 1997	J. Harron
Ballyholme mill dam	J58	1915	N.H. Foster

Location	Grid Ref.	Date	Recorder
Benderg Bay	J60654319	25 Aug 2002	G.V. Day
Killard Point and coastal dunes, Strangford Lough	J64	1907	W.J.C. Tomlinson
	J64	1917	R.Ll. Praeger
	J606433	1972	P. Hackney
	J606433	1980	P. Hackney
	J6043	20 Jun 1992	R. Thompson
	J6043	15 Jun 1997	BSBI
	J6043	15 Jun 1997	G.W. Gordon
	J6143	15 Jun 1997	G.V. Day
	J6043	28 Jun 1998	G.W. Gordon
	J64	30 May 1999	G.W. Gordon
	J6143	25 Jun 2000	G.V. Day
	J61054344	01 Jun 2002	BSBI, BNFC & Wildflower Society
	J64	22 Jun 2003	W.H. Veale
	J64	20 Jun 2004	G. Gordon
	J64	03 Jul 2005	G. Gordon
	J64	16 Jul 2006	G. Gordon
	J64	20 Jul 2008	G. Gordon
	J6143	13 Jun 2009	BNFC
	J607434	17 Jun 2009	Thurgate, Georgina
	J60854334 J60904345 J60914346 J60924333 J60984337 J61084346 J61144341 J6143	17 Jun 2009	J.D. Nunn
	J6043	09 Jul 2009	G. Thurgate
	J6143	03 Jul 2011	A. O'Doherty
	J6043	31 May 2012	T. Curtis
	J61004346	04 Jun 2012	G.V. Day
	J610433	06 May 2017	A. O'Doherty
	J608435	08 Jul 2017	A. O'Doherty
	J6044	16 Jul 2018	B. Bleakley, D. Thompson & R. Weyl

Dactylorhiza incarnata (Linnaeus) Soó ssp. ***coccinea*** (Pugsley) SoóEuro.: **not listed**Ir.: **not listed**Local: **2**N.I.: **not listed**Brit.: **not listed**Last seen: **2021**

A distinctive native perennial subspecies found in sand dune slacks or sandy marshes near the sea. It was first recorded in the 1980s near Killough and has also been recorded at Tyrella and Killard, all of which are in the middle and east of the county. This species appears to have spread in the county as it is unlikely to have been over-looked. The county population appears at low risk at the protected sites of Killard and Tyrella.

Location	Grid Ref.	Date	Recorder
Tyrella dunes - damp slack	J473362	1984	P. Hackney
Tyrella area	J47393618	22 Jun 2002	G.V. Day
	J47423616	04 Jun 2016	R. Anderson
damp depression between road and railway near Strand Lough (former ballast pit) at Killough Bridge	J538373	1980s	P. Hackney
Killard Point, Strangford Lough	J610430	1980-1989	P. Hackney
	J6043	05 Jun 1993	R. Thompson
	J6043	25 May 1997	G.W. Gordon
	J6043	15 Jun 1997	G.W. Gordon
	J6143	26 May 1999	G.V. Day
	J64	30 May 1999	G.W. Gordon
	J6143	25 Jun 2000	G.V. Day
	J6143	01 Jun 2002	BSBI, BNFC & Wild Flower Society
	J6043	01 Jun 2002	J.D. Nunn & G.V. Day
	J6143	22 May 2004	G.V. Day
	J6043	04 Jun 2005	G.V. Day & J.D. Nunn
	J64	28 May 2006	G.W. Gordon
	J64	24 May 2009	G.W. Gordon
	J6143	13 Jun 2009	BNFC
	J607434	17 Jun 2009	G. Thurgate
	J60914347	17 Jun 2009	J.D. Nunn
	J61144341	17 Jun 2009	J.D. Nunn
	J61114345		
	J6043	17 Jun 2009	G. Thurgate
	J61114348	22 May 2011	A. O'Doherty
	J6043	31 May 2012	T. Curtis
	J60804349	04 Jun 2012	G.V. Day & J.D. Nunn
	J6143		
	J6043	25 May 2014	G.V. Day & J.D. Nunn
	J6143		
	J6043	15 Jun 2021	G.V. Day & J.D. Nunn
	J6143		
Loughkeelan	J56104510	28 May 2006	J.D. Nunn
Portavogie, Ards Peninsula	J660593	06 Jun 2004	R.S. Weyl
	J659593	Jun 2009	R.S. Weyl

Dactylorhiza incarnata (Linnaeus) Soó ssp. ***cruenta*** (O.F. Müller) P.D. Sell

Euro.: **not listed**

N.I.: **not listed**

Ir.: **not listed**

Brit.: **RDB Data Deficient**

CITES Appendix II (C1)

A native perennial subspecies that has been recorded at one site only in a damp slack at Tyrella dunes in 1984, but this is now thought to be an error.

Dactylorhiza incarnata* (Linnaeus) Soó ssp. *incarnata

Early Marsh-orchid

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Waiting List**

Local: 1

Last seen: **2008**

This native perennial subspecies is usually found on wet meadows, fens and marshes on base-rich soils. It was first recorded in 1917 on Conlig Hill in the north of the county and has also been recorded in the south-east at Killard and Tyrella. It has been lost from Conlig, probably because of agricultural development, but is probably extant at Killard and Tyrella. These sites are protected and it may be at low risk of further loss.

Location	Grid Ref.	Date	Recorder
Tyrella dunes - damp slack	J473362	1979	R. Piper & P. Hackney
	J473362	03 Jul 2008	P. Hackney
Conlig Hill	J4877	1917	R. Hamill det. V.S. Summerhayes
	J4877	1947	R.D. Meikle det. V.S. Summerhayes
Castlemahon Mountain south - on wall	J55254725	19 Jun 2002	G.V. Day & J. Harron
Loughkeelan	J56124507	03 Jul 2002	G.V. Day & J. Harron
	J5645	08 Jul 2002	J.D. Nunn & G.V. Day
Killard Point - coastal dunes	J606433	1947	R.D. Meikle det. V.S. Summerhayes
	J6143	25 Jun 2000	G.V. Day

***Dactylorhiza incarnata* (Linnaeus) Soó ssp. *pulchella* (Druce) Soó**Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Waiting List**

Local: 1

Last seen: **2012**

A native perennial subspecies that is usually found on acidic substrates including bogs, marshes and heaths. It was first recorded near Ballynahinch in 1937. It was also present on Conlig Hill near Newtownards, but has been lost from these sites and was not seen for a period of some 40 years, until recorded again in 1996 near Strangford. This subspecies has declined, and while possibly still present in the county, must be endangered.

Location	Grid Ref.	Date	Recorder
Craignamona, Mourne Mountains	J14942333	23 Jun 2012	S.D.S. Bosanquet
near Strangford	unknown	unknown	R. Piper
Ballykine Lough near Ballynahinch	J355540	1937	R.Ll. Praeger det. H.W. Pugsley
side of pond on Conlig Hill	J4877	1946	R.D. Meikle
	J4877	1948	N.D. Simpson
	J4877	1955	J. Heslop-Harrison
Loughkeelan	J5645	03 Jul 2002	G.V. Day & J. Harron
	J56074514	08 Jul 2002	J.D. Nunn & G.V. Day
	J5645	29 Jun 2008	G.V. Day
Whitehills, Strangford	J566481	1996	T. Ennis

Dactylorhiza majalis (Rchb.) P.F. Hunt & Summerh. ssp. ***occidentalis*** (Pugsley) P.D. Sell
 Western Marsh-orchid Euro.: **not listed** N.I.: **not listed**
 Ir.: **not listed** Brit.: **not listed**

Records of *Dactylorhiza majalis* (Rchb.) P.F. Hunt & Summerh. ssp. *occidentalis* (Pugsley) P.D. Sell (now renamed *Dactylorhiza kerryensis* (Wilmott) P.F. Hunt & Summerh.) from Co. Down (e.g. in Preston *et al.* (2002)) are all errors for *Dactylorhiza purpurella* (Stephenson & T.A. Stephenson) Soo.

Dactylorhiza praetermissa (Druce) Soó Euro.: **not listed** N.I.: **not listed**
 Southern Marsh-orchid Ir.: **not listed** Brit.: **RDB Least Concern**

A native perennial species that has been recorded twice, in Carngaver (1919, S.A. Bennett) and Herdstown (1922, A.W. Stelfox). These are now thought to be in error.

Anacamptis morio (L.) R.M. Bateman, Pridgeon & M.W. Chase
 Green-winged Orchid Euro.: **Near Threatened** N.I.: **WO**
 Ir.: **RDB Vulnerable** Brit.: **RDB Near Threatened**
 Local: 1 Last seen: **2021**
 N.I. Priority Species 2023

A native perennial usually found on base-rich to neutral undisturbed grassland. The Killard population is an isolated northerly outlier in Ireland. It has also been reported from Ballykinler, Tyrella, Minerstown and near Ballywalter. The population of this species appears at low risk at Killard where it is protected.

Location	Grid Ref.	Date	Recorder
Killard Point & coastal dunes, Strangford Lough	J608436	1977	R.J. Bleakley
	J610434	02 Jun 1991	E. Porter & I. Crawford
	J6043	25 May 1997	G.W. Gordon
	J6043	May 1998	G.V. Day
	J6143	30 May 1998	G.V. Day
	J6143	26 May 1999	G.V. Day
	J64	30 May 1999	G.W. Gordon
	J6143	01 Jun 2002	BSBI, BNFC & Wildflower Society
	J6043	01 Jun 2002	J.D. Nunn & G.V. Day
	J61094344	22 May 2004	G.V. Day & J.D. Nunn
	J61094344	04 Jun 2005	G.V. Day & J.D. Nunn
	J64	28 May 2006	G.W. Gordon
	J61074344	02 May 2009	G.V. Day
	J6143	13 Jun 2009	BNFC
	J61074347	17 Jun 2009	Orchid ID Course
	J61054344 J61064346 J61074347 J61104346	15 May 2010	Armagh Field Naturalists Society
	J609433	23 May 2010	A. O'Doherty
	J6043	31 May 2012	T. Curtis
Killard Point & coastal dunes, Strangford Lough	J61074348	04 Jun 2012	J.D. Nunn
	J6143	25 May 2014	G.V. Day
	J61114346	27 May 2014	A. Kennedy
	J6143	20 May 2015	G. Newell
	J609432	06 May 2017	A. O'Doherty
	J61084346	15 Jun 2021	G.V. Day

***Anacamptis pyramidalis* (Linnaeus) Rich.**

Pyramidal Orchid

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

An attractive perennial found on well-drained lime rich soils, especially sand dunes and in old chalk quarries. There are no recent records for the Ards Peninsula. In recent years the plant has been mainly recorded from the Killard and Ballykinler area and Tyrella dunes. Recorded first at Ballyholme in 1873 (S.A. Stewart) but was at that time so rare that S.A. Stewart dismissed the plant in Stewart & Corry (1888) as a casual. Clearly this species expanded its range during the first 50 years or so after Stewart & Corry (1888) was published. Subsequently, probably since World War II, there has been some reduction in number of sites. This is possibly due to acidification of the uppermost layers of soil on dunes consequent upon the heavy rainfall leaching lime out of these layers. In previous times the activities of rabbits returned lime-rich sand to the surface, but the rabbit populations of many areas have declined because of myxomycosis. Killard Point, however, still has a substantial rabbit population, and Tyrella has previously been disturbed by human activities including horse-riding and motorcycle scrambling. At present, the population of this species appears at low risk at Killard, Tyrella and Murlough where it is protected.

Location	Grid Ref.	Date	Recorder
Greencastle, Carlingford Lough	J2511	1935	R.Ll. Praeger
Murlough NNR	J4034	03 Jul 2015	A. Carden
	J4034	04 Jul 2015	S. Dunlop
	J4336	03 Jul 2015	R. Weyl
	J41393476 J41403475	27 Jun 2019	J. Whatmough
Murlough House	J412349	06 Jun 1996	W.E. Harrison & J. Harron
Ballykinler - coastal and sandy fields	J43	15 Jul 1997	W.I. McNeill & R. Irvine
Ballykinler MoD	J419352 J4235	03 Jul 2015	G.V. Day
Ballykinler	J4336	03 Jul 2015	R. Weyl
Craigalea Rocks, 1.5km south-east of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Ringsallin	J4635	1907	N. Carrothers
Tyrella	J4736	1979	P. Hackney
	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J47093613	22 Jun 2002	G.V. Day
	J468359	14 Jul 2002	D. McNeill
	J4636	17 Jun 2009	G. Bennett & A. Church
Rathmullan, Tyrella	J4835	21 Jul 1906	W.J.C. Tomlinson
Minerstown	J43	unknown	Unknown
	J488359	17 Jul 2014	S. McCourt
Murphystown	J494361	1902	R.Ll. Praeger
Craigtlet	J4376	1943	J.McK. Moon
Ulster Folk & Transport Museum, Ballycultra Td	J4280	29 Jun 2009	P. Hackney & A. Hill
Ringavaddy - disturbed sandy ground, c. 10 plants	J510359	Jul 2004	R.S. Weyl
Killough	J5336	1913	S.A. Bennett
Portaferry, Ards Peninsula	J55	unknown	Unknown
Mountstewart, Ards Peninsula	J56	1907	A.A. Dallman
Greyabbey, Strangford Lough	J5767	1912	C.H. Waddell
	J5767	1914	S.A. Bennett

Location	Grid Ref.	Date	Recorder
Ballyholme, Bangor	J5282	1873	S.A. Stewart
Mill Quarter Bay, Mill Quarter	J6044	1902	R.Ll. Praeger
Killard Point and coastal dunes, Strangford Lough	J6043	1902	R.Ll. Praeger
	J6043	1908	W.J.C. Tomlinson
	J6043	1924	E. Seaver
	J6043	15 Jun 1997	BSBI
	J6043	15 Jun 1997	G.W. Gordon
	J6143	15 Jun 1997	G.V. Day
	J6043	28 Jun 1998	G.W. Gordon
	J64	05 Jul 1998	W.H. Veale
	J6143	25 Jun 2000	G.V. Day
	J60934304	02 Aug 2003	J.D. Nunn & G.V. Day
	J64	03 Jul 2005	G.W. Gordon
	J64	16 Jul 2006	G.W. Gordon
	J6143	29 Jun 2008	G.V. Day
	J64	20 Jul 2008	G.W. Gordon
	J6143	13 Jun 2009	BNFC
	J60464376 J60984337	17 Jun 2009	J.D. Nunn
	J6043	09 Jul 2009	M. Wright
	J6043	11 Jul 2010	A. O'Doherty
	J64	13 Jul 2011	G.W. Gordon
	J608435	08 Jul 2017	A. O'Doherty
	J6044	16 Jul 2018	D. Thompson, B. Bleakley & NIEA
	J6043	15 Jun 2021	J.D. Nunn & G.V. Day
Benderg Bay	J608432	1980-1990	Unknown
Killard ASSI	J608433	12 Jun 1991	E. Porter & I. Crawford
Quintin Castle, Ards Peninsula	J631504	1917	R.Ll. Praeger
shore near Kearney	J6552	1917	R.Ll. Praeger
Unknown	J6366	23 Jul 2015	C. Anderson det K. Castillo & F. Rumsey

Ophrys apifera Huds.
Bee Orchid

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2021**

An attractive native perennial of base-rich well-drained soils including sand dunes, short grassland, industrial wasteland and chalk quarries. It was first recorded in 1924 at Killard and at Benderg Bay, which is adjacent to and south of Killard. It has been found at several sites within the Belfast Harbour Estate and at Killard, but may be temporary at other sites. It seems secure in the county.

Location	Grid Ref.	Date	Recorder
Clare Hill chalk quarry, Moira - one plant - quarry being filled in 1981	J1560	1937	W.S. Wright
	J1560	1953	BNFC
Murlough NNR	J3933	1984	O. Morton
	J3933	1985	J. Whatmough
	J40983423	07 Jun 2008	BNFC
Belfast Harbour Estate - there are a number of colonies recorded - five colonies, one of 12-15 plants first seen in 1996, two others each of 9 plants, one of three plants and one of one plant first seen in 1992. All destroyed prior to 1999 by building works; a colony of 25+ plants first seen in 1998, close to an access path to one of the hides on Belfast Harbour Reserve, and still extant; a large colony of 500+ plants near RSPB Reserve seen for several years from 1998 up to 2002, also now destroyed. Prior to destruction, several plants were relocated by RSPB staff to the RSPB run Harbour Conservation Area where they appear to be established.	J38337794	19 Jun 1992	R.A. Anderson
	J38367798	19 Jun 1992	R.A. Anderson
	J384780	19 Jun 1992	R.A. Anderson
	J384781	19 Jun 1992	R.A. Anderson
	J381771	Jul 1996	R. Nicholson & C. Nicholson
	J381771	16 Jul 1996	T. Ennis & E. Ennis
	J381771	17 Jul 1996	T. Ennis & R. Piper
	J384781	Jun 1998	B. Simon
	J373780	Jul 1998	A. McGeehan
	J37597835	Jul 1998	A. McGeehan
	J383779	Jun 1999	B. Simon
	J384780	Jun 1999	B. Simon
	J374783	08 Jul 1999	W.H. Veale
	J37	08 Jul 1999	G.W. Gordon
	J37	13 Jun 2000	W.H. Veale, T. Rolston & G.W. Gordon
	J37597835	20 Jun 2000	T. Rolston & W.H. Veale
	J374783	21 Jun 2000	G.W. Gordon
	J37	29 Jun 2000	G.W. Gordon & W.H. Veale
	J376774	2002	T. Ennis
	J371782	Jul 2002	T. Rolston
	J373783	09 Jul 2002	T. Rolston & W.H. Veale
	J380779	2003	A. McGeehan, G. McGeehan & T. Ennis
	J37	12 & 26 Jun 2005	W.H. Veale
	J3777	09 Jun 2009	T. Ennis
	J3878	23 Jun 2009	T. Ennis
	J37857813	14 Jun 2011	G.V. Day
	J374783	03 Jul 2011	G. Gordon & P. Gordon
	J374783	10 Jul 2011	G. Gordon
	J3778	17 Jun 2013	D. Donnelly
	J378782	18 Jun 2014	S. Clark
	J372781	05 Jul 2015	G. Gordon & P. Gordon
	J373780	12 Jul 2015	G. Gordon & P. Gordon
	J373780	20 Jul 2016	G. Gordon & P. Gordon
	J3778	23 Jul 2016	BNFC
	J373780	28 May 2017	G. Gordon & P. Gordon
	J373780	18 Jun 2017	G. Gordon & P. Gordon
	J37397800	30 Jun 2017	S. Belshaw
	J37407800	20 Jun 2018	D. McCormick
	J373780	10 Jun 2019	J. Clark
	J38117838	109 Jun 2019	A. O'Doherty
	J365766	26 Jun 2019	J. Firth

Location	Grid Ref.	Date	Recorder
Tillysburn Nature Park	J382768	21 Jun 1998	G.W. Gordon
	J382767	27 Jun 1999	G.W. Gordon
Hollywood	J3978	25 Jun 2011	N.I. Birding
Tyrella	J4636	24 Jun 2009	G. Bennett & A. Church
Knock Golf Course - meadow	J410742	c. 1979	R. Piper
near St. Patrick's Well, including colony of white-flowered form	J5738	1983	J. Harron
St. Patrick's Well - includes white-flowered plants	J576387	04 Jul 1991	W.E. Harrison & J. Harron
	J577387	13 Jul 1993	J. Harron & W. E. Harrison
	J577387	19 Jul 1996	P. Hackney
gravel pit, east of Strand Lough	J5357	07 Jun 2004	D. Nixon
Benderg Bay	J6042	1924	E. Seaver
Killard Point and coastal dunes, Strangford Lough	J606433	1924	E. Seaver
	J606433	1933	BNFC
	J606433	1977	P. Hackney
	J608434	12 Jun 1991	E. Porter & I. Crawford
	J6043	15 Jun 1997	BSBI
	J6043	15 Jun 1997	G.W. Gordon
	J6143	15 Jun 1997	G.V. Day
	J6043	28 Jun 1998	G.W. Gordon
	J64	05 Jul 1998	W.H. Veale
	J6143	25 Jun 2000	G.V. Day
	J60934304	02 Aug 2003	J.D. Nunn & G.V. Day
	J64	03 Jun 2005	G.W. Gordon
	J64	16 Jul 2006	G.W. Gordon
	J6143	13 Jun 2009	BNFC
	J607434	17 Jun 2009	G. Thurgate
	J61074340	17 Jun 2009	J.D. Nunn
	J6043	09 Jul 2009	G. Thurgate & M. Wright
	J60954346	27 Jun 2010	A. O'Doherty
	J6043	31 May 2012	T. Curtis
	J609433	05 Jul 2013	C. Finlay
	J60944309	08 Jun 2016	R. Anderson
	J609433	01 Aug 2018	P. McNulty
	J60924303	15 Jun 2021	G.V. Day & J.D. Nunn
fields at Portavogie - several plants. Not seen here since; the vegetation is probably now too rank for the species	J655590	2000	R.S. Weyl
	J659593	2000	R.S. Weyl
	J6559	18 Jul 2000	P. Hackney, G.V. Day & J.W.D. Semple

IRIDACEAE

Libertia formosa Graham
Chilean-iris

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

A neophyte perennial garden escape that is mostly found naturalised in coastal urban areas in the north east of the county and appears to be increasing.

Location	Grid Ref.	Date	Recorder
Carnalea Wood	J480817	16 May 2016	S. Cathcart
Windmill Hill, Portaferry	J5950	21 May 2020	G.V. Day & J.D. Nunn
Mahee Island, Strangford Lough	J5263	09 Aug 2013	G.V. Day
Bangor Bay	J5082	02 Apr 2023	G.V. Day & J.D. Nunn
Ballymacormick Point	J5383	01 Oct 2021	G.V. Day & J.D. Nunn
Orlock Point, Belfast Lough	J557836	14 Jun 1991	J. Harron
Donaghadee	J5880	19 May 2019	G.V. Day
Foreland Point, Ards Peninsula	J5881	05 Jun 2022	G.V. Day & J.D. Nunn

Sisyrinchium bermudiana Linnaeus
Blue-eyed-grass

Euro.: **not listed**
Ir.: **RDB Not Threatened**
Local: **3**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **not listed**
Last seen: **1998**

A perennial that is native to western Ireland and found on wet ground. It has been recorded on three occasions, all at the National Trust gardens at Rowallane, where it has been introduced.

Location	Grid Ref.	Date	Recorder
Rowallane (National Trust)	J409575	Aug 1985	R. Boyd
	J4157	18 May 1992	J.A. Lister & M. Flatt
	J4057	1998	M. Snowdon & A. Carter

Sisyrinchium californicum (Ker Gawl.) W.T. Aiton
Yellow-eyed-grass

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

A neophyte perennial garden escape that was found on scrubby damp ground. It has been recorded once.

Location	Grid Ref.	Date	Recorder
Heron Road, Belfast	J37517709	28 Sep 2023	J. Dalzell

AMARYLLIDACEAE

Allium ampeloprasum Linnaeus var. *babingtonii* (Borrer) Syme
Wild Leek

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB not listed**
Last seen: **2012**

An archaeophyte perennial found in sandy and rocky rough ground near the sea. It has been recorded at four sites in the county, firstly in 1956 at Comber, then in 1971 at Crawfordsburn, at Delamont near Killyleagh in 1997 and by Dundrum in 2010. It may still be found at Crawfordsburn, but has not been seen recently at the other sites. There is some doubt concerning the identification of the early records, and voucher specimens need to be re-examined. This taxon may be subject to losses as 'improvements' are made in coastal situations.

Location	Grid Ref.	Date	Recorder
Dundrum Inner Bay	J39593581	23 Jul 2010	G.V. Day
Comber River Estuary - casual on distillery waste below railway embankment	J4668	1956	J.S. Pate & B.E.S. Gunning
Crawfordsburn Country Park	J4482	19 May 2012	T. Waterman
	J4681	19 May 2012	C. Finlay & K. Hunter
Crawfordsburn Country Park, where stream enters Belfast Lough	J4682	1971	E.N. Carrothers
Crawfordsburn House (Hospital) - naturalised in field by sea	J469823	1990	S. D'Arcy Burt
	J469823	1991	S. D'Arcy Burt
	J469823	14 Sep 1991	P. Hackney & C. Tyrie
	J469824	06 Aug 2001	G.V. Day
Delamont Country Park, one plant	J5150	30 Jul 1997	P. Hackney & G.V. Day

Allium carinatum Linnaeus

Keeled Garlic

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB not listed**Last seen: **1973**

A neophyte that may be found naturalised, but which does not seem to persist.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh	J079633	15 Apr 1973	J. Harron
	J0863	1972	J. Harron
Redburn Country Park, Holywood	J3977	1942	W.T. Rowan
Killough	J5336	1946	R.L. Praeger det R.D. Meikle

Allium roseum Linnaeus

Rosy Garlic

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Nationally Scarce??**Last seen: **2019**

A neophyte that may be found naturalised.

Location	Grid Ref.	Date	Recorder
Camphill Community, Glencraig – spreading under trees	J43398173	25 May 2019	G.V. Day
Groomsport – garden discard	J53458360	2014 & 2015	L. Crawshaw
	J5383	20 May 2016	G.V. Day & J.D. Nunn

Allium vineale Linnaeus

Wild Onion

Euro.: **not listed**Ir.: **not listed**Local: **2**N.I.: **not listed**Brit.: **RDB Nationally Scarce**Last seen: **2018**

A native found on waysides and rough ground. It has always been scarce and is declining. It appears to be threatened in Co. Down.

Location	Grid Ref.	Date	Recorder
Moygannon Td, Carlingford Lough	J157182	27 Apr 1989	J. Harron
Tullybrannigan Road, Bryansford	J35773129	25 Jul 2018	G.V. Day
Rockport, Belfast Lough	J4382	1863	S.A. Stewart & W. Millen

Location	Grid Ref.	Date	Recorder
Crawfordsburn Country Park	J46438263	19 May 2012	G.V. Day
Helen's Bay	J4682	1971	J. Harron
Rockport, Belfast Lough	J48	1987-1999	J. Harron
Kircubbin, Strangford Lough	J595612	03 May 1970	J. Harron & H.A. Harron
Black Neb, Fish Quarter Td, Strangford Lough	J595614	08 Oct 1969	J. Harron & H.A. Harron
Horse Island, Strangford Lough	J5960	1970	J. Harron
Kircubbin, Strangford Lough	J597609	06 Aug 1990	J. Harron
Doctor's Bay, Strangford Lough	J598620	1970	J. Harron
Doctor's Bay-Horse Island, Strangford Lough	J66	09 Dec 85	NIEA

Galanthus nivalis Linnaeus
Snowdrop

Euro: **EC Habitats Directive**
Ir.: **not listed**
Local: **Not Applicable**
CITES Appendix II

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2022**

Widespread in gardens and frequently introduced in near-garden situations. It is included here only as it is placed on the CITES list.

ASPARAGACEAE

Ornithogalum umbellatum* ssp. *campestre Rouy

Star-of-Bethlehem

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2015**

An attractive perennial that has been found at scattered sites. It is scarce in the wild, but probably not threatened.

Location	Grid Ref.	Date	Recorder
Eastwood sand pit – probable garden discard	J29171160	07 Jun 2015	G.V. Day
Lough Henney	J349584	03 Jun 1971	P. Hackney
Murlough	J4134	1985	BSBI
Castle Espie	J4967	1985	J.G. Angus

Ornithogalum umbellatum* ssp. *umbellatum

Star-of-Bethlehem

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2022**

A garden perennial that has been found once and was probably introduced with soil. It is rare in the wild, but probably not threatened.

Location	Grid Ref.	Date	Recorder
Cloghy - dunes car park amenity beds	J6457	27 May 2022	G.V. Day

***Hyacinthoides non-scripta* (L.) Chouard ex Rothm.**

Bluebell

Euro.: **not listed**N.I.: **WO**Ir.: **not listed**Brit.: **not listed**Local: **Uncategorised**Last seen: **2023**

A locally abundant native perennial that is included here because of its inclusion in Part 2 of Schedule 8 of the Wildlife Order 1985 as amended in 2011. It freely interbreeds with *H. hispanica* and the invasive hybrid *H. x massartiana* may be found naturalised, mostly on the fringes of native colonies. Concern has been expressed that hybridisation may diminish native colonies, and that these may be further impacted by climate change.

TYPHACEAE***Sparganium erectum* Linnaeus ssp. *erectum***

Branched Bur-reed

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **DD**Last seen: **1997**

A native perennial found in shallow meso- and eutrophic water and has only been recorded once. The status of this taxon is unclear as it is over-looked.

Location	Grid Ref.	Date	Recorder
Ballykinler	J446354	17 Sep 1997	P. Hackney

***Sparganium erectum* Linnaeus ssp. *microcarpum* (Neuman) Domin.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **2001**

A native perennial found in shallow meso- and eutrophic water and has only been recorded three times. The status of this taxon is unclear, as it is over-looked.

Location	Grid Ref.	Date	Recorder
Mill Pond, Aghnamoira	J126214	1982	P. Hackney
Loughinisland Lake	J4245	1892-1895	C.H. Waddell det. P. Hackney
Ballydyan at Crossgar	J4154	09 Aug 2001	G.V. Day

***Sparganium erectum* Linnaeus ssp. *neglectum* (Beeby) K. Richter**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1999**

A native perennial found in shallow meso- and eutrophic water. The status of this taxon is unclear as it is overlooked as the subspecies can be difficult to identify.

Location	Grid Ref.	Date	Recorder
Newry canal at Goragh Wood	J0631	1982	P. Hackney
Newry canal south of Poyntzpass	J0639	1934-1937	R.Ll. Praeger
Kernan Lake, 2km south-east of Gilford	J0846	24 Aug 1999	P. Hackney & G.V. Day
Long Lough, 3km north-east of Ballynahinch	J3755	1934-1937	R.Ll. Praeger
Carryduff Park	J3765	14 Aug 2016	G.V. Day & J.D. Nunn
Annacloy	J4448	1934-1937	R.Ll. Praeger
Hollymount NNR	J467438	02 Oct 2019	D.L. Kelly
Inch Abbey, Quoile	J4745	1934-1937	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
Crossgar	J4452	1934-1937	R.Ll. Praeger
Ballyalloly Lough	J4367	1934-1937	R.Ll. Praeger
Castle Island, Quoile	J513486	14 Aug 1998	P. Hackney

***Sparganium erectum* Linnaeus ssp. *oocarpum* (Celak.) Domin.**Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **DD**Last seen: **1997**

A native perennial found in shallow meso- and eutrophic water and has only been recorded once. The status of this taxon is unclear as it is over-looked because the subspecies can be difficult to identify.

Location	Grid Ref.	Date	Recorder
Ballykinler - extreme edge of Ministry of Defence range	J446354	17 Sep 1997	P. Hackney

JUNCACEAE***Juncus alpinoarticulatus* Chaix**

Alpine Rush

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**

This montane species, only apparently recorded from Tieveshilly (Ards Peninsula) in September 1991, was probably identified in error.

***Juncus ranarius* Songeon & E.P. Perrier**

Frog Rush

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Least Concern**Local: **Uncategorised**Last seen: **2021**

A native annual that occurs in open situations on damp bare brackish maritime sands and muds. Older literature treated this merely as a variety of *J. bufonius*, and it was not recognised as a species until 1978. Consequently it had been largely ignored by local botanists. There is, however, a 1914 voucher in **BEL** from Ballywalter referable to this taxon which appears to constitute the earliest record. It occurs within Strangford Lough, on the outer Ards Peninsula and on the north Down coast. It is present in considerable numbers at some locations and is not threatened. It exceeds the local criteria for inclusion.

***Luzula multiflora* ssp. *hibernica* Kirschner & T.C.G. Rich**Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **not listed**Local: **DD**Last seen: **2022**

An Irish endemic rhizomatous perennial that may have been introduced, and is found on mainly acidic soils in open and shaded areas of grassland, heaths, and woods. Few recorders have distinguished the subspecies of *Luzula multiflora*, but it appears that ssp. *hibernica* is much the rarer of the three found in county Down. The third subspecies, *congesta*, by contrast, is very widespread and abundant.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J34493243	09 Jun 2022	G.V. Day & V. Macartney

***Luzula multiflora* ssp. *multiflora* (Thuill.) Arcang.**

Heath Wood-rush

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **DD**Last seen: **2014**

A native rhizomatous perennial that may have been introduced and is found on mainly acidic soils (but less markedly calcifuge than ssp. *congesta*) in open and shaded areas of grassland, heaths, and woods.

Location	Grid Ref.	Date	Recorder
Tollymore Forest Park	J3331	13 Aug 2011	G.V. Day, F. Devery & M. Marshall
	J3431	17 Jun 2012	G.V. Day & M. Marshall
	J3531		
Murlough NNR	J4033	18 May 2003	BSBI
Castle Espie	J4967	15 Jun 2014	G.V. Day
Clandeboyne Estate	J4779	02 Jul 2002	G.V. Day
	J4879		
Sketrick Island	J5262	30 May 2011	G.V. Day
Killard NR, Strangford Lough	J6043	15 Jun 1997	BSBI
The Tongue, off Ballyquintin	J6246	16 Jun 2002	G.V. Day

CYPERACEAE***Eriophorum latifolium* Hoppe**

Broad-leaved Cottongrass

Euro.: **Least Concern**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **Extinct**Last seen: **1937**

A distinctive native rhizomatous perennial of base-rich wet flushes or marshes. It has only been recorded in the north-east of the county near Belfast, and as it has not been seen since 1937, must be regarded as extinct.

Location	Grid Ref.	Date	Recorder
marshy field on shore of Belfast Lough, opposite Maryfield/Palace Barracks, Belfast Rd., Knocknagoney <i>Praeger 1937</i>	J37	pre-1825	J. Templeton
	J3877	1937	R.Ll. Praeger
Kinnegar	J3978	1937	R.Ll. Praeger

***Trichophorum cespitosum* (Linnaeus) Hartm.**

Northern Deergrass

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Data Deficient**Local: **Extinct**Last seen: **1903****N.I. Priority Species 2023**

A small native rhizomatous perennial that has been recorded once, probably in error.

Location	Grid Ref.	Date	Recorder
Ballygowan	J4364	Jun 1903	C.H. Waddell

Scirpus sylvaticus Linnaeus
Wood Club-rush

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A scarce, native rhizomatous perennial usually found in shaded sites in wet woods, grassland and on riversides. It was first found before 1867 near Corbet Lough by the River Bann and has since been recorded at other sites by the Rivers Bann, Lagan, White Water, Lough Neagh and at an isolated site south of Carryduff. There are some new sites for this species, which as it is unlikely to have increased, is probably better recorded now. While the county population of this species is small, it appears to be at low risk.

Location	Grid Ref.	Date	Recorder
Moyallan, Upper Bann Valley	J0450	c. 1973	J. Harron
	J0450	29 May 1991	J. Harron
Newmills, 2km south of Gilford	J067514	14 May 2005	J. Harron
	J0651	01 Jun 2013	J. Harron
Shan Port to Kinnegoe Point	J065630	16 Jun 1988	Habitat Survey Team, EHS
Shan Port, Lough Neagh	J078638	1970	J. Harron
	J079637	20 Sep 1971	J. Harron
Annaghdroghal, Lough Neagh - wet pasture	J079637	08 Aug 1970	J. Harron
	J079637	21 Aug 1970	J. Harron
Upper Bann at Banbridge	J173443	02 Sep 1973	J. Harron
banks of River Bann near Corbet Lough	J1846	pre-1867	G.C. Hyndman
White Water, Mourne Mountains	J270227	01 Jun 1998	J. Preston
	J271218	01 Jun 1998	J. Preston
Ballyward Lough	J270377	1989	N.I. Lake Survey
Hillsborough Castle marsh	J2458	16 Jun 2019	G.V. Day, D. Riley, V. Macartney
Boardmills	J341596	15 May 1992	J. Harron
Shaw's Bridge	J325690	pre-1888	S.A. Stewart
Annadale, River Lagan	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & J. Rutherford
Galwally, Newtownbreda	J3470	12 Jun 2001	S. Beesley & J. Wilde
below Hampton Park, Newtownbreda	J343705	12 Jun 2001	S. Beesley & J. Wilde
	J343705	15 Jun 2001	J. Wilde

Eleocharis acicularis (Linnaeus) Roemer & Schultes

Needle Spike-rush

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1935-1937**

A small native rhizomatous perennial found growing on sandy ground at the edge of Lough Neagh, both above and below water level. It was first recorded before 1918, but has not been seen since 1935-1937 and is probably extinct.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh	J0862	pre-1918	C.H. Waddell
Annaghdroghal, Lough Neagh	J0863	1911	C.H. Waddell
	J0863	1935-1937	R.Ll. Praeger

Blysmus rufus (Huds.) Link
Saltmarsh Flat-sedge

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A native sedge usually found on bedrock in the saltmarsh zone. It has been recorded from suitable habitats round much of the County Down coast. It is no longer present at Warrenpoint and by Knocknagoney, probably due to developments. It has declined, but is still present in some numbers at several sites where it is protected, e.g. Killard. However, it is probably vulnerable to climate change and sea level rise.

Location	Grid Ref.	Date	Recorder
Warrenpoint NW	J1318	1888	G. Robinson
Knocknagoney	J37	1825	J. Templeton
	J381765	1864	W. Millen
Co. Down	J47	- 1864	W.H. Ferguson
Crawfordsburn Country Park, Helen's Bay	J445824	04 Jun 2011	M. Wright
	J445826	21 Aug 2011	R.S. Weyl
	J445827	06 Jul 1987	J. Harron
	J44598267	1997-1998	R.S. Weyl
	J4482	19 May 2012	R.S. Weyl
Grey Point, SW side	J454832	16 Jul 1987	J. Harron
	J454832	08 Aug 1988	J. Harron
Ballyholme Bay, Bangor	J511820	1850	W.M Hind
St. John's Point	J529337	1984-1988	P. Hackney
	J5334	28 Jun 1988	P. Hackney
	J5334	22 Jun 2011	S. Mulvaney
Killough Bay	J5435	1898	J.H. Davies
Ringfad Point	J555357	15 May 1970	J. Harron
	J556358	23 Jun 1985	S.J. Leach
	J559360	15 May 1970	J. Harron
Ardglass	J5537	1920	S.A. Bennett & C.D. Chase
Ardtole, NE of Ardglass	J53	11 Jun 1985	S.A. Wolfe-Murphy & S.J. Leach
Craignapastle, Ardtole	J5737	1985	NIEA
Cloghan Head, Sheepland Beg Td	J579389	04 Jul 1991	J. Harron & W.E. Harrison
Strangford Village, Strangford Lough	J589496	1895	R.Ll. Praeger
Ballyhornan	J5942	1902	R.Ll. Praeger
Co. Down	J55	May 1893	R.Ll. Praeger
Portaferry, Strangford Lough	J5950	1893	R.Ll. Praeger
Co. Down	J57	23 Jul 1903	R.Ll. Praeger
Kinnegar Rocks, Millisle	J596774	04 Aug 2011	R.S. Weyl
Coalpit Bay, Donaghadee	J596775	18 Jun 1991	J. Harron
Gransha Td, Strangford Lough	J5972760405	2013	P. Corbett & B. Hamill
Co. Down	J58	Jun 1850	W.M Hind
Ballymacormick Point	J5283	01 Jun 1985	NIEA
	J5283	22 Jun 1985	NIEA
	J531837 J531838	29 Jul 1991	E. Porter & I. Crawford
	J525837	29 Jun 1992	M. Flatt
	J53248368	21 Jul 2003	G.V. Day
	J5283	23 May 2018	S. Cathcart
Groomsport	J5383	1913	S.A. Bennett
Sheep Point	J546835	1997-1999	R.S. Weyl

Location	Grid Ref.	Date	Recorder
Orlock Point, Belfast Lough	J5583	22 Jun 1985	S.J. Leach
	J56388322	1997-1999	R.S. Weyl
Benderg Bay	J600429	06 Jun 1991	J. Harron & W.E. Harrison
Kilclief Point	J6046	1883	R.Ll. Praeger
Killard NNR	J6143	1972	P. Hackney
	J6143	1985	NIEA
	J610431 J610432 J611432 J611434	02 Jun 1991	E. Porter & I. Crawford
	J6043	15 Jun 1997	BSBI
	J6143	26 May 1999	G.V. Day
	J6143	25 Jun 2000	G.V. Day
	J6143	01 Jun 2002	G.V. Day
	J61134348	22 May 2004	G.V. Day
	J6143	29 Jun 2008	G.V. Day
	J61144345	04 Jun 2012	G.V. Day
	J6143	25 May 2014	G.V. Day
	J6044	2018-07-16	B. Bleakley, D. Thompson & R.S. Weyl
	J6143	15 Jun 2021	G.V. Day
Ballyquintin Point	J627456	07 Jun 1985	P. Corbett & S.J. Leach
Templecowey saltmarsh	J6247	1985	NIEA
	J6247 J626476	23 May 2009	G.V. Day
	J6347	05 Jun 1985	S.J. Leach
The Tongue-Kearney, Ards Peninsula	J64	05 Jun 1985	S.A. Wolfe-Murphy & S.J. Leach
Co. Down	J66	14 Jul 1955	J.H. Penson

Cladium mariscus (Linnaeus) Pohl
Great Fen-sedge

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: 1

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1997**

A scarce, tall native rhizomatous perennial of fens and oligotrophic and mesotrophic pond and lough margins. It was first recorded at Lough Island Reavy before 1825, but is no longer present at this site. It is restricted to the south and east of the county and is declining and may be extinct in the county.

Location	Grid Ref.	Date	Recorder
Lough Island Reavy - not seen since, as became reservoir before 1888	J2934	pre-1825	J. Templeton
Altnadua Lough	J33	pre-1825	J. Templeton
	J3134	1919	S.A. Bennett & C.D. Chase
	J33	1986	R. Weyl
	J314348	05 Jun 1989	J. Harron
	J313349	26 Jul 1990	N.I. Lake Survey
north shore of Castlewellan Lough	J3236	1971	J. Harron
Ballygallum, 2.5km south-east of Downpatrick	J510409	19 Sep 1990	J. Harron

Location	Grid Ref.	Date	Recorder
Ballygallum Ponds and marsh	J5140	1900	R.Ll. Praeger
	J511402	1989	P. Hackney
	J510409	19 Sep 1990	J. Harron & W.E. Harrison
	J51134024	01 Aug 1993	Fenbase Survey det. M. Bailey
	J511402	11 Sep 1997	Habitat Survey Team, EHS
Lough Money	J540459	1994	Fenbase Survey
	J54	25 Jul 1996	Habitat Survey Team, EHS
Carrowcarlin	J5548	1897	R.Ll. Praeger
Carrowcarlin fen	J559488	1986	R.S. Weyl
	J558487	26 Sep 1987	J. Harron
	J559485	24 Jul 1996	Habitat Survey Team, EHS
Whitehills, Strangford	J5648	1946	J.McK. Moon
	J5648	pre-1992	R.S. Weyl
marsh north-east of Churchtown	J54	1902	R.Ll. Praeger
marsh south-east of Lough Cowey, Ards Peninsula	J55	1903	R.Ll. Praeger
	J5954	1949	M.P.H. Kertland
Ballyherly - in marsh	J597536	19 Sep 1990	J. Harron

Carex acuta Linnaeus
Slender Tufted-sedge

Euro.: **Least Concern**
Ir.: **RDB Near Threatened**
Local: 1
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A scarce, native rhizomatous perennial of marshes and the margins of rivers and loughs. This species was first recorded before 1825 near Belfast, but has declined and is now absent from this and some other stations. It may now be found near the River Lagan around Dromore and Donaghcloney and in the Mourne near Spelga reservoir. The county population of this species is low and may be vulnerable to changes in habitat and grazing.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh - shoreline	J0763	pre-1888	S.A. Stewart
River Lagan below Donaghcloney	J122543	20 Oct 1988	J. Harron
marsh by bridge at Gilhall	J1653	1878	T.H. Corry
River Lagan west of Dromore	J182534	04 Jul 1987	J. Harron
Deers Meadow, Mourne	J271258	24 Jun 1996	R.G. Mathers
River Lagan at Dromore	J2053	1803	J. Templeton
	J25	1884	S.A. Stewart
	J25	1910	BNFC
	J211531	23 Apr 1982	J. Harron
	J210530	07 Jun 1999	J. Harron
	J2053	19 Apr 2019	J. Faulkner
left side of Newtownards road near Belfast- now built over	J47	pre-1825	J. Templeton
Black Neb, Fish Quarter, Kircubbin	J59716194	2013	B. Hamill
Ballywalter Park, Ards Peninsula	J6268	1917	BNFC

***Carex acutiformis* Ehrh.**
Lesser Pond-sedge

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A native rhizomatous perennial base-rich marshes, loughs and ponds. It was first recorded in 1810, but there is some doubt over the identification and the location of early sites. It was found at Hollymount in 1990, and as a probable introduction by the Knock River in Belfast in 2019. The county population is low and may be at risk.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh - not seen since <u><i>This record requires confirmation</i></u>	J0863	1900	J.H. Davies
in a little lough or old moss hole c. 3.2km south-east of Kilmore: near Crossgar according to C.H. Waddell, but near Lough Neagh according to <i>Stewart & Corry 1888</i> <u><i>This record requires confirmation</i></u>	unknown	05 Jun 1810	J. Templeton
Greenville Park and Knock River	J3773	12 May 2019	G.V. Day conf J. Faulkner
Knock River marsh – probable introduction	J371731	02 Jun 2019	G.V. Day, J.D. Nunn & V. Macartney
Hollymount NR	J4643 J4644	01 Jul 1990	NIEA
Ballygowan Lough, 4.5km north-east of Saintfield <u><i>This record requires confirmation</i></u>	J46	1845	D. Orr
Conlig Hill <u><i>This record requires confirmation</i></u>	J491762	1843	D. Orr
Ballywalter Park - cultivated	J627686	1917	C.H. Waddell det. F.H. Perring

***Carex aquatilis* Wahlenb.**
Water Sedge

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2004**

A rare, native rhizomatous perennial found on lough-sides. It was first found in 1982 and has only been recorded from three sites in the county, two north of Ballynahinch and the other in the Mourne. The county population of this species is very low, and of the three sites that at Shanlough is probably most secure. This species may be vulnerable to losses. None of these sites have conservation protection.

Location	Grid Ref.	Date	Recorder
Shanlough, Mourne Mountains - in slow sedgy outlet	J232229	24 Aug 1992	J. Harron
Bow Lough - thinly on eastern extension	J353578	1982	J. Harron
	J353578	Jul 2004	R.S. Weyl
Gill's Lough - west side	J363581	02 Sep 1982	J. Harron
Gill's Lough	J364581	14 Jun 1999	J. Harron

Carex bigelowii Torrey ex Schweinitz
Stiff Sedge

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: 1
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2019**

A rare, native rhizomatous perennial found on the summits of a few mountains in the Mourne. This species may not flower and is possibly over-looked. It was first recorded pre-1864 on Slieve Donard and was again found on the mountain in 1982. This species may be at low risk, as at present it seems to have survived the effects of grazing.

Location	Grid Ref.	Date	Recorder
Slieve Muck	J27952431	09 Mar 2019	R. Hodd
Slieve Meelbeg, Mourne Mountains	J301278	12 Oct 1994	Habitat Survey Team, EHS
	J300278	24 Sep 2003	NIEA
Slieve Commedagh, Mourne Mountains - non-flowering at summit of about 760m	J344286	24 Mar 1957	A.W. Stelfox, A. Farrington & M.E.S. Morrison det. A.W. Stelfox & A.C. Jermy
Slieve Commedagh, Mourne Mountains-over several acres on summit	J344286	1970	J. Harron
Slieve Commedagh, Mourne Mountains	J346286	31 Oct 1971	J. Harron
	J346286	10 Sep 1982	J. Harron
Slieve Donard - regarded as an error in <i>Stewart & Praeger 1892</i>	J32	pre-1864	G. Dickie
Slieve Donard, Mourne Mountains - in gully on north side of summit at more than 700m (1982)	J355278	10 Sep 1982	J. Harron
	J35752764	26 Aug 2007	G.V. Day
Chimney Rock Mountain	J3625	13 Aug 2015	G.V. Day

Carex limosa Linnaeus
Bog-sedge

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: 1

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

A rare, native rhizomatous perennial found in very wet bogs, upland or lowland. It was first recorded before 1825, but has declined, probably due to agricultural development and drainage. It was present at Saul from 1891 to 1959, but is now absent at this site, and has only been recorded at Conlig in recent years. The county population of this species is extremely low, and at high risk.

Location	Grid Ref.	Date	Recorder
Ballygowan bog	unknown	pre-1825	J. Templeton
Derryleckagh Bog	J118255	1994	Fenbase survey
near Saintfield	J45	pre-1864	J. Campbell
fen at Conlig near refuse tip	J493766	2003	R.S. Weyl
Saul Camp ground	J510464	1891	R.Ll. Praeger
	J510464	1902	R.Ll. Praeger
	J510464	1910	R.Ll. Praeger
	J510464	1926	R.Ll. Praeger
	J510464	1959	R.C. Davidson
Donaghadee bog	J58	pre-1825	J. Templeton

***Carex muricata* L. ssp. *pairae* (F.W. Schultz) Celak**Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**

Local: 1

Last seen: **2005****N.I. Priority Species 2023**

A scarce, tufted native perennial of light, dry acidic soils that occur in open situations on banks and pastures. It is restricted to the south-west of the county close to Newry and Warrenpoint. The Heron and Carrigullian Loughs record may be an error because the habitat is unsuitable. The county population of this subspecies may be declining and is vulnerable to further losses of habitat as agricultural improvement, development and tidying up of marginal land takes place.

Location	Grid Ref.	Date	Recorder
roadside bank a little east of Moygannon Water Foot, Carlingford Lough	J1518	1974	J. Harron det. R.W. David
Moygannon, Carlingford Lough	J163182	27 Apr 1989	J. Harron
New Crown Bridge, Clanrye River - roadside bank; 2 plants (2005)	J105288	21 Nov 1988	J. Harron
	J105288	30 May 2005	J. Harron
Clanrye River close to Desert School - steep bank in plantation nearby	J1229	1988	J. Harron
Heron and Carrigullian Loughs <i>This record requires confirmation</i>	J501584	1968	W. Stewart

***Carex pauciflora* Lightf.**

Few-flowered Sedge

Euro.: **not listed**N.I.: **WO**Ir.: **RDB Near Threatened**Brit.: **RDB Least Concern**

Local: 1

Last seen: **2011****N.I. Species of Conservation Concern March 2004****N.I. Priority Species 2023**

A native rhizomatous perennial found on wet bogs. This species is easily overlooked and was first found in 1990. It is restricted to the Mourne Mountains West where the population appears to be at low risk.

Location	Grid Ref.	Date	Recorder
Kilbroney Red Bog, Rostrevor Mountain c. 340m a watery area., right on edge of Red Moss	J224220	1990	J. Harron
Yellow Water River (Kilbroney) - site destroyed by forestry plantings before 1992	J220220	28 Jul 1990	J. Harron
Yellow Water River at Tievedockaragh	J2222	02 Aug 2010	J. Harron
Yellow Water River (Kilbroney) - near base of Shanlieve Mountain, 450-460m, 21 colonies	J236223	24 Aug 1992	J. Harron
Shanlough, Mourne Mountains - on wet flushed peat	J232229	14 Aug 1992	J. Harron
Yellow Water River (Kilbroney), Mourne Mountains	J23512263	21 Aug 2002	G.V. Day & J. Harron
Yellow Water River at Shanlieve	J2322	03 Aug 2010	J. Harron
Rocky River, Mourne Mountains, near base of Pierce's Castle	J237239	03 Sep 1992	J. Harron
Rocky River at Eagle Mountain	J2323	26 Jul 2011	J. Harron

Carex pseudocyperus Linnaeus
Cyperus Sedge

Euro.: **Least Concern**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A scarce, loosely-tufted rhizomatous native perennial found at the edge of loughs, in marshes and drains. It was first found in 1973, and has been mostly recorded from loughs south of Killinchy. While the county population of this species is small, it is probably at low risk as these loughs have ASSI status.

Location	Grid Ref.	Date	Recorder
drain c. 0.8 km from Lough Neagh	J088636	1974	J. Harron
marsh by Knock River - introduction	J372731	02 Jun 2019	G.V. Day & V. Macartney
Carrigullian Lough	J45 or J55	1982	R. Weyl
	J498588	10 Sep 1987	J. Harron
	J500589	20 Jul 1989	N.I. Lake Survey
	J495586	18 Jul 1991	Habitat Survey Team, EHS
Heron Lough near Carrigullian Lough	J4958	1973	J. Harron
	J497582	05 Jul 1987	W.E. Harrison & J. Harron
	J497582	19 Aug 1988	N.I. Lake Survey
Heron and Carrigullian Loughs	J501584	1994	Fenbase Survey
Clea Lakes	J503548	1986	J. Harron
	J502549	04 Jul 1991	W.E. Harrison & J. Harron
	J503548	11 Sep 2011	J. Harron

Carex spicata Huds.
Spiked Sedge

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1991**

A scarce, tufted native perennial of damp neutral or weakly alkaline waste ground, roadside verges and banks. It was first recorded in 1935 and has been mainly found in the north and east of the county. It has only been recorded on six occasions since then and may be transient at its stations, perhaps because it is unable to withstand much competition. The county population of this species is endangered.

Location	Grid Ref.	Date	Recorder
3.2km west of Banbridge	J14	1935	R.Ll. Praeger
near bridge over Causeway Water on Warrenpoint to Kilkeel Road	J2314	1935	R.Ll. Praeger
east of Ballyskeagh Bridge, River Lagan	J288668	1981	R.S. Weyl
Lead Hill, Castlereagh - on steep-sloping disturbed ground	J37	1975	J. Harron
Cairnburn Glen at Garnerville - amid sapling trees	J3876	1976	J. Harron
Ballysallagh Upper Reservoir - gravelly waste	J4577	1981	J. Harron
	J455765	05 Jul 1991	J. Harron
south of Salt Island, Strangford Lough	J5350	1982	R.S. Weyl

Carex strigosa Huds.
Thin-spiked Wood-sedge

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2005**

A scarce, native perennial of the banks of streams and damp floors of woodland and scrub. It was first recorded in 1814 in Belvoir Park, and was still present at this site in 1991. It is also recorded from other sites in the Lagan and Bann valleys, at Crawfordsburn and near Lough Neagh and Newry. A record from a steep bank by Lough Neagh west of Annaghdroghal House in 1937 (J06) by R.Ll. Praeger is an error for *Carex sylvatica*. This species can be over-looked, and is better recorded now. It appears to be vulnerable to further losses, particularly from sites where it is not conserved.

Location	Grid Ref.	Date	Recorder
stream bank at Ballynagarrick, 1.6km east of Moyallan, Upper Bann Valley	J060511	05 May 1973	J. Harron
	J0451	29 May 1991	J. Harron
	J059511	14 May 2005	J. Harron
Kilmore, Lough Neagh	J06	pre-1953	R.Ll. Praeger
Greenan Lough	J119232	01 Aug 1996	Habitat Survey Team, EHS
Mourne Park woodland	J27201593	22 Apr 2004	R. Birch
Drum Bridge Lodge, Drumbeg - poolside in wood	J305661	1996	S.A. Wolfe-Murphy det. S.A. Wolfe-Murphy & P. Hackney
Edenderry (Marsh) NR	J319684	1984-1993	R.S. Weyl
	J319684	1998	Ulster Wildlife Trust
Belvoir Park Estate, Belvoir	J3268	09 Jan 1998	D. Broughton
Belvoir Park Forest	J3469	1814	J. Templeton
	J3469	1870	S.A. Stewart
	J342698	1991	R.S. Weyl
	J342696	1998	D. McNeill
	J342698	2003	R.S. Weyl
Crawfordsburn Glen - gone now (J. Harron)	J4681	pre-1864	G. Dickie
	J4681	1890	R.Ll. Praeger

POACEAE

Vulpia fasciculata (Forssk.) Fritsch
Dune Fescue

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

A native annual of dunes found once as an introduced species.

Location	Grid Ref.	Date	Recorder
Comber Greenway, Knock, Belfast	J3873	10 Jun 2019	G.V. Day

Vulpia myuros (Linnaeus) C.C. Gmel.
Rat's-tail Fescue

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

An archaeophyte annual of open and waste ground found twice as an introduced species.

Location	Grid Ref.	Date	Recorder
Silent Valley, Mourne Mountains	J307217	19 Sep 2019	I. McNeill
Tullybranigan Road, Newcastle	J358312	25 Jun 2018	I. McNeill

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

Hard-grass

Euro.: **not listed**N.I.: **not listed**Ir.: **RDB Least Concern**Brit.: **RDB Least Concern**Local: **2**Last seen: **2022**

A scarce, native annual of moist open maritime turf, mud and shingle ridges and salt marshes. It was first recorded in 1859 and was previously present about Newry and Carlingford Lough, Killough and the Quoile, but has declined and has most recently been recorded on the coasts of north Down, the outer Ards Peninsula and Strangford Lough. There remains a widespread population within the county, and so this species appears to be at low risk.

Location	Grid Ref.	Date	Recorder
Newry Canal - by canal locks	J02	1892-1893	R.Ll. Praeger
County Bridge, near Narrow Water - shore	J1119	1892-1893	R.Ll. Praeger
Narrow Water Castle	J1219	1893	R.Ll. Praeger
between Warrenpoint and Narrow Water	J1318	pre-1895	H.W. Lett
	J1318	1935-1937	R.Ll. Praeger
a little west of Rostrevor, Carlingford Lough - waste ground by shore	J1717	1900	S.A. Stewart
Victoria Park, Sydenham Rd., Sydenham - gone by 1938	J365755	1872	S.A. Stewart
	J365755	1900	C.H. Waddell
Sydenham, Strandtown	J3775	pre-1864	G. Dickie
shore below Sydenham Station - site long destroyed	J373751	Aug 1899	S.A. Stewart
Tillysburn, Belfast Rd., Sydenham	J3876	1863	R. Tate
Kinnegar	J3978	1859	W.T. Whan
	J3978	1863	R. Tate
Castle Espie	J4967	pre-1938	R.Ll. Praeger
Crawfordsburn Country Park	J446827	21 Aug 2011	R.S. Weyl
Bangor Town - shore by Brompton Road	J49388244	1998	R.S. Weyl
Sea Park Coastal Strip, Crawfordsburn Country Park	J44698271	1997-1998	R.S. Weyl
St. John's Point	J5333	24 Jul 2008	T.C.G. Rich, R. Hoddd & M. Jannink
Killough Bay	J5435	1902	C.H. Waddell & H.W. Lett
salt marsh opposite Castle Island, Quoile	J518487	1949	R.D. Meikle
Killyleagh south	J5251	1937	E.N. Carrothers
	J523515	17 Sep 1990	W.E. Harrison & J. Harron
1.6km north of Killyleagh	J5254	1937	E.N. Carrothers
Launches, Strangford Lough	J5350	pre-1938	R.Ll. Praeger
Ballywallon, Strangford Lough	J59715579	2013	NIEA
Kircubbin, Strangford Lough	J5963	1918	S.A. Bennett
Kinnegar Rocks, Millisle	J596774	04 Aug 2011	R.S. Weyl
Ballyholme Bay, Bangor	J5182	pre-1864	G. Dickie
	J5182	1900	J.H. Davies
Ballymacormick Point (ASSI)	J5283	May-Sept 1980	Unknown
	J5283	1985	Habitat Survey Team, EHS
Groomsport, Belfast Lough	J5383	1918	W.R. Megaw
Sheep Point, Belfast Lough	J546835	1997-1999	R.S. Weyl
Orlock Point, Belfast Lough	J56248346	1997-1999	R.S. Weyl
Mullog Point, Kilclief Bay	J600449	17 Aug 2008	J. Harron
Benderg Bay	J60104298	15 Aug 2015	G.V. Day & BNFC
Templecowey saltmarsh	J62874769	03 Aug 2022	G.V. Day

Location	Grid Ref.	Date	Recorder
Gransha Td, Strangford Lough	J60036073	2013	NIEA
Ballywalter Village, Ards Peninsula	J62996907	1997	R.S. Weyl
Burr Point, Ballyhalbert, Ards Peninsula	J663626	1998	R.S. Weyl

Trisetum flavescens (Linnaeus) P. Beauv.
Yellow Oat-grass

Euro.: **not listed**
Ir.: **not listed**
Local: 1

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2003**

A rare, native perennial of dry grassland, roadsides and coastal rock. It was first recorded before 1888 and has declined; before the most recent record in 1987, it had not been seen since 1920. There may still be a low population of this species present in the county and this is endangered.

Location	Grid Ref.	Date	Recorder
Drumcro near Magheralin	J1358	1894	C.H. Waddell
Lagan Canal near Moira	J1561	1912	S. Wear
Ormeau Park above ferry	J3472	1913	S. Wear
near Sydenham Station	J373751	pre-1888	S.A. Stewart
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J391745	1920	S.A. Bennett & C.D. Chase
Marino, Holywood	J4079	pre-1895	R.Ll. Praeger
Newtownards	J4974	1891	R.Ll. Praeger
Rockport, Belfast Lough - on coastal rock	J437821	16 Jul 1987	J. Harron
Crawfordsburn House - meadow, now improved	J4682	1990s	M. Wright
Killyleagh	J5252	1891	R.Ll. Praeger
north end of Chapel Island - frequent in small area of unimproved grassland	J555687	2003	R.S. Weyl
Benderg Bay	J6042	1901	C.H. Waddell
Killard Point, Strangford Lough	J6143	1911	C.H. Waddell

Agrostis gigantea Roth.
Black Bent

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **Uncategorised**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

An archaeophyte perennial usually found on light disturbed soils including arable, grassland and waste ground. This species was listed in the previous register but has now been deleted as it no longer fits the criteria for inclusion.

Calamagrostis epigejos (Linnaeus) Roth
Wood Small-reed

Euro.: **not listed**
Ir.: **FPO; RDB Vulnerable**
Local: 1
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Least Concern**
Last seen: **2004**

A native rhizomatous perennial, but probably introduced in Co. Down.

Location	Grid Ref.	Date	Recorder
Seaforde Estate	J40234310	20 May 2004	D. Ardesbir

Calamagrostis stricta (Timm.) Koeler
Narrow Small-reed

Euro.: **not listed**
Ir.: **RDB Endangered**
Local: **Extinct**
N.I. Species of Conservation Concern March 2004
N.I. Priority Species 2023

N.I.: **WO**
Brit.: **RDB Vulnerable**
Last seen: **1911**

A native rhizomatous perennial that was found in damp meadows close to Lough Neagh. This species was first recorded in 1892 and is now extinct in the county, probably because of drainage and reclamation.

Location	Grid Ref.	Date	Recorder
Ellis's Gut, Lough Neagh	J0862	1892	R.Ll. Praeger
	J0862	1911	C.H. Waddell & N. Carrothers

Polypogon monspeliensis (Linnaeus) Desf.
Annual Beard-grass

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2023**

An introduced casual annual previously found on waste ground in Belfast and recently re-found and possibly becoming established.

Location	Grid Ref.	Date	Recorder
near Queen's Quay station, Lagan River	J345745	1915	N. Carrothers
Ballymacarret, Belfast	J3574	1915	N. Carrothers
Cregagh Road, Belfast	J360722	24 Jun 2022	J. Dalzell
HSENI car park, Belfast	J362724	17 Jul 2023	J. Dalzell
Orangefield Crescent, Belfast	J3672	17 Jul 2023	J. Dalzell
Distillery waste ground, Belfast	J3673	1915	N. Carrothers
Victoria Park, Sydenham - rubbish tip	J365755	1927	C.D. Chase
Tillysburn, Belfast Rd., Sydenham	J3876	1915	S. Wear

Polypogon viridis (Gouan) Breister.
Water Bent

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2023**

An introduced stoloniferous perennial originally found on waste ground at Belfast docks. First recorded in Co. Down at Ballywalter in 2014. This species appears to be spreading rapidly in some urban areas.

Location	Grid Ref.	Date	Recorder
Newry	J0826 J0827	09 Dec 2022	P.R. Green
Bridge End, Ballymacarret, Belfast	J347744	15 Nov 2021	G.V. Day
Belfast	J3776	13 Jun 2019	P.R. Green
Newtownards South Development	J490736	16 Dec 2021	G.V. Day
Strangford ferry office	J589497	16 Jun 2022	G.V. Day
Cook Street, Portaferry	J597502	28 Sep 2021	G.V. Day
Bangor Bay	J5082	02 Apr 2023	G.V. Day & J.D. Nunn
Ballywalter	J62736910	01 Jan 2020	G.V. Day, J.D. Nunn, V. Macartney & R. Anderson
	J627691	01 Sep 2014	I. McNeill
	J62806910	16 May 2021	G.V. Day
	J628691	01 Sep 2014	I. McNeill

Phleum arenarium Linnaeus
Sand Cat's-tail

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2021**

A scarce, native annual species usually found on sand dunes and on sandy disturbed soils. It was first recorded in 1901 and has occurred widely around the coast on most, but not all, dune systems. There is some evidence of a decline in this species, but it would appear to be at low risk at Murlough, and Killard NNRs, where it is protected.

Location	Grid Ref.	Date	Recorder
McComb's Bridge, Upper Bann	J231330	20 Jun 1984	J. Harron
Newcastle	J3730	1921	S.A. Bennett
Murlough ASSI - dunes	J3933	13 Jun 2004	G.V. Day
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Murlough House	J412349	06 Jun 1996	W.E. Harrison & J. Harron
Craigalea Rocks, 1.5km south-east of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Ringsallin Point	J46843606	22 Jun 2002	G.V. Day
Tyrella beach	J469361	1979	P. Hackney
	J471361	04 Jun 1992	W.E. Harrison & J. Harron
	J47093613	22 Jun 2002	G.V. Day
	J47233612	14 May 2004	G.V. Day & J. Harron
Benderg Bay	J6042	1901	C.H. Waddell
	J600429	06 Jun 1991	J. Harron & W.E. Harrison
	J60594321	25 Aug 2002	G.V. Day
Killard NNR	J6044	16 Jul 2018	B. Hamill
	J6043	15 Jun 2021	G.V. Day & J.D. Nunn
Killard Point, Strangford Lough	J6143	1911	S.A. Bennett
	J6143	1950	M.P.H. Kertland

Phleum bertolonii DC.
Smaller Cat's-tail

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **2**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2010**

A scarce, native perennial found in rough grassy places including pastures and roadside verges. It was not previously separated from *Phleum pratense*, and can be difficult to identify. It may therefore be under-recorded. This species is used as a fodder plant, and it is probable that some records derive from artificial sources. It is vulnerable to agricultural improvement and development.

Location	Grid Ref.	Date	Recorder
Newry Canal at Killysavan	J06663853	27 Jul 2005	G.V. Day & P. Hackney
Annaghdroghal, Lough Neagh - shoreline	J079637	18 Aug 1997	J. Harron
Boggle Hill, Ballylough	J15A	02 Jul 1988	P. Hackney
Bohill Wood	J39784614	18 Jul 2002	G.V. Day, P. Hackney & J.W.D. Semple
Dundrum Coastal Path (Railway Line)	J4137	07 Aug 1997	P. Hackney, G.V. Day & C. Moody
Rosconor, Annacloy	J4547	01 Aug 2010	G.V. Day
Turmennan fen	J48635033	07 Jul 2005	G.V. Day & P. Hackney
Grey Point, Crawfordsburn Country Park	J451829	pre-1990	D.S. Lambert
Ballysallagh	J5342	07 Jul 2002	J. Harron
Tullynakill, 3.5km north of Killinchy	J5064	23 Jun 1997	P. Hackney

***Poa chaixii* Vill.**

Broad-leaved Meadow-grass

Euro.: **not listed?**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **not listed**Last seen: **2021**

A distinctive neophyte perennial that is grown for ornament. It has been found naturalised in woodland at two sites.

Location	Grid Ref.	Date	Recorder
Clandeboyne	J47	13 Jun 2021	D. McNeill
Clandeboyne Avenue	J45587985 J45617980 J45777965 J46037930	27 Jun 2021	G.V. Day & J.D. Nunn
Brookmount, 1.5km SE of Helen's Bay	J458813	07 Jul 1987	J.Harron

***Poa compressa* Linnaeus**

Flattened Meadow-grass

Euro.: **not listed?**Ir.: **not listed**Local: **3**N.I.: **not listed?**Brit.: **RDB Least Concern**Last seen: **2019**

A neophyte perennial that has probably been introduced accidentally. It has only been recorded twice in recent years and may be confused with other *Poa* species.

Location	Grid Ref.	Date	Recorder
Knocknagore	J0850	Jul 1902	J.H. Davies
Hillsborough	J2458	1899	J.H. Davies
Murlough NNR	J3933	30 Jul 2019	J. Whatmough
Ballymacarret Halt, Belfast	J3574	1939	J.P.M. Brennan
Campbell College & Cabin Hill School, Belfast	J391745	1930	C.D. Chase
Murlough NNR	J4035	31 Jul 2019	J. Whatmough
Holywood	J4079	1919	S.A. Bennett

***Poa palustris* Linnaeus**

Swamp Meadow-grass

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **not listed**Last seen: **2004**

A neophyte perennial that has been introduced for grazing or to be cut for hay. It has only been recorded twice. It is easily overlooked and may be more widespread in the county.

Location	Grid Ref.	Date	Recorder
Maghera Bridge, over River Carrigs	J367342	21 Aug 2004	J. Harron
Magherascouse Lough - in trampled reeds on north shore	J441642	13 Aug 1986	J. Harron

Bromus commutatus Schrad.

Meadow Brome

Euro.: **not listed**Ir.: **RDB Near Threatened**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1947**

A rare, native annual of damp unimproved pasture. It has only been recorded once, but is now extinct.

Location	Grid Ref.	Date	Recorder
Killard Point, Strangford Lough - abundant in sandy fields <i>Carrothers et al. 1949</i>	J6143	1947	R.D. Meikle det. C.E. Hubbard

Bromus hordeaceus Linnaeus ssp. ***ferronii*** (Mabille) P.M. SmithEuro.: **not listed**Ir.: **RDB Waiting List**Local: **1**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1991**

A rare, native annual found in grass on sand and shingle by the sea. It has only been recorded once, at a site where it is protected. It may occur elsewhere in the county, but is overlooked. The population of this species is probably at low risk at Ballyquintin.

Location	Grid Ref.	Date	Recorder
Ballyquintin Point ASSI, Strangford Lough	J624456	02 Sep 1991	E. Porter & I. Crawford

Bromus lepidus Holmberg

Slender Soft-brome

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **not listed**Last seen: **2015**

A neophyte annual sown in improved grassland, and also occurring on waysides, rough and waste land. It was first recorded in 1929 and has declined. It was last seen in 2015 at Ballykinler MoD where it may not be under pressure.

Location	Grid Ref.	Date	Recorder
Gilford	J0648	1938	J.P.M. Brenan & N.D. Simpson
Shaw's Bridge, River Lagan - base of wall <i>This record requires confirmation</i>	J325689	27 Jun 1954	R.E. Parker
Sydenham Station	J373751	1929	C.D. Chase
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J391745	1950	C.D. Chase
Ballykinler MoD	J419354	03 Jul 2015	G.V. Day
between Conlig and Newtownards	J47	1947	R.D. Meikle
Scrabo Hill	J4773	1947	R.D. Meikle
Killinchy	J5060	1952	BNFC

Bromus pseudosecalinus P.M. Smith

Smith's Brome

Euro.: **not listed**Ir.: **not listed**N.I.: **not listed**Brit.: **not listed**

A neophyte annual of grassland and waysides, where it may occur as a contaminant of grass-seed. This species has only been recorded once in county Down by the Mourne Uplands Survey at J217175 in June 1991. This is probably an error, as the habitat appears to be unsuitable, this being a lowland species.

Bromus racemosus Linnaeus
Smooth Brome

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1925**

A native annual of damp unimproved pasture. It has not been recorded since 1925 and is extinct in the county.

Location	Grid Ref.	Date	Recorder
shore of Bangor Reservoir	J48 or J58	1920	S.A. Bennett & C.D. Chase det. P.J.O. Trist
Donaghadee Village	J5980	1925	C.D. Chase & S.A. Bennett det. P.J.O. Trist

Bromopsis erecta (Huds.) Fourr.
Upright Brome

Euro.: **not listed**
Ir.: **RDB Near Threatened**
Local: **1**
N.I. Priority Species 2023

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2014**

A native perennial of dry calcareous soils. It was first recorded in 1991 at Castle Espie on a bank adjacent to Strangford Lough and refound in 2014. This species may be at risk at Castle Espie due to climate change.

Location	Grid Ref.	Date	Recorder
Castle Espie	J4967	Jun 1991	K. Peberdy det. K. Peberdy & P. Hackney
	J49546731	07 Aug 2001	BNFC
	J49546731	15 Jun 2014	G.V. Day

Elymus athericus (Link) Kerguélen
Sea Couch

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **1**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2018**

A rare, native rhizomatous perennial that is found in wet muddy, sandy or gravelly places by the sea. It was first recorded in 1914 on the outer Ards Peninsula. This species can be difficult to identify and it is possibly over-recorded. Future records should be supported by voucher specimens.

Location	Grid Ref.	Date	Recorder
Newcastle <u><i>This record requires confirmation</i></u>	J378311	25 Jun 2018	I. McNeill
Victoria Park, Sydenham, Belfast	J365755	09 Jun 2011	M. Wright
Murlough	J4135	16 Jul 2018	S. Thompson
Dundrum Coastal Path (Railway Line) <u><i>This record requires confirmation</i></u>	J4137	30 Jun 1992	M. Flatt
	J4339	30 Jun 1992	M. Flatt
Craigalea Rocks, 1.5km SE of Ballykinler <u><i>This record requires confirmation</i></u>	J453352	09 Jul 1992	W.E. Harrison & J. Harron
St John's Point	J5333	24 Jul 2008	T.C.G. Rich, R.L. Hodd & M. Jannink
Ballymacormick Point (ASSI) <u><i>This record requires confirmation</i></u>	J525837	29 Jun 1992	M. Flatt
Orlock Point, Belfast Lough <u><i>This record requires confirmation</i></u>	J560838	29 Jun 1992	J.A. Lister
Ballywalter Beach, The Long Sand, Ards Peninsula	J6268	1914	C.H. Waddell det. P.J.O. Trist

Elymus repens (Linnaeus) Gould ssp. ***arenosus*** (Spenn.) MelderisEuro.: **not listed**Ir.: **RDB Waiting List**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1999**

A rhizomatous perennial that usually occurs on sand by the sea. This was the second Irish record, and it probably resulted from an introduction to this site, which is close to Belfast Docks. Stace (2019) notes that maritime plants, including ssp. *arenosus*, are not consistently separable from inland plants and it is doubtful whether they deserve separate species (as *Elytrigia campestris* (Godr. & Gren.) Kerguelen) or subspecies status.

Location	Grid Ref.	Date	Recorder
Tillysburn Lake area, Kinnegar Av., Kinnegar, Holywood	J386781	1999	S.A. Wolfe-Murphy

Molinia caerulea (Linnaeus) Moench. ssp. ***arundinacea*** (Schrank) K. RichterEuro.: **not listed**Ir.: **RDB Least Concern**Local: **2**N.I.: **not listed**Brit.: **RDB Waiting List**Last seen: **2005**

A native perennial that is found in fens, marshes and by loughs. It was first recorded in 1991, has a scattered distribution in the centre of the county and is also found on the outer Ards Peninsula. This subspecies may be under-recorded, and is vulnerable to losses as land is drained and improved.

Location	Grid Ref.	Date	Recorder
Drumnagally – secluded swampy hollow	J096463	06 Jul 2003	J. Harron
B25, close to Crotlieve - banks	J207243	15 Ag 2005	J. Harron
Rocky River, west of Hen Mountain	J234273	23 Sep 2002	J. Harron
headwater of River Bann	J251281	08 Sep 2002	J. Harron
Fofanny Dam	J286286	31 Jul 2004	J. Harron
Hunshigo Lake	J243357	20 Aug 2003	J. Harron
Crockanroe, Wee Binian	J329214	15 Aug 2004	J. Harron
Glenfanny River	J379270	13 Aug 2000	J. Harron
Dunmore Head, Glasdrumman	J387245	27 Sep 1999	J. Harron
Slieve Croob	J317447	28 Aug 2000	J. Harron
Dunbeg Lough - in clearing amid tallows	J332493	04 Sep 1999	J. Harron
Black Lough ASSI	J359452	19 Jul 2004	J. Harron
un-named lakelet below Dunmore Hill	J361453	19 Jul 2004	J. Harron
Edenarriff Mountain – in wet bushy hollow	J381456	14 Jun 2004	J. Harron
Dairy Lough	J370552	03 Jul 1999	J. Harron
Conlig Hill	J489761	03 Nov 2002	J. Harron
Carrintaggart	J562469	25 Jun 2002	J. Harron
Wallace Hill Road	J503506	04 Jun 1992	W.E. Harrison & J. Harron
Curragh, Ballygeegan, 2km south of Killinchy	J503582	08 Sep 2003	J. Harron
South Island, Strangford Lough - coastal bank	J567667	02 Oct 1997	J. Harron
in remnant of reedy marsh at Ballygarvigan, about 3km south of Cloghy	J635528	1991	J. Harron

CASUAL SPECIES

Asplenium septentrionale (Linnaeus) Hoffm.

Forked Spleenwort

Euro.: **not listed**N.I.: **not listed**Ir.: **FPO; RDB Vulnerable**Brit.: **not listed**Local: **Extinct**Last seen: **1912**

An extinct introduced perennial evergreen. It was found once only, at Rowallane 'on wall near garden, almost certainly of garden origin' (Phillips in Anon. 1912; Wear 1923).

Location	Grid Ref.	Date	Recorder
Rowallane (National Trust) <i>Anon. 1912</i>	J4057	1912	W.H. Phillips

Adonis annua Linnaeus

Pheasant's-eye

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **RDB Endangered**Local: **3**Last seen: **2019**

A very rare casual.

Location	Grid Ref.	Date	Recorder
Knockbracken, Belfast	J36397264	24 Aug 2019	J. Gray

Chenopodium suecicum Murr.

Swedish Goosefoot

Euro.: **not listed**N.I.: **not listed**Brit.: **not listed**Ir.: **not listed**Local: **3**Last seen: **1999**

A neophyte annual that has occurred once as a casual.

Location	Grid Ref.	Date	Recorder
Ballyferis Point, Ards Peninsula	J623728	12 Sep 1999	G.V. Day conf. P. Hackney

Lipandra polysperma (L.) S. Fuentes, Uotila & Borsch

Many-seeded Goosefoot

Euro.: **not listed**N.I.: **not listed**Brit.: **not listed**Ir.: **RDB Least Concern**Local: **Extinct**Last seen: **1915**

An extinct archaeophyte that usually occurs as a casual on light, disturbed soil. This annual species is restricted to the north-east in Ireland, and has only been recorded once in county Down.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J37	1915	N. Carrothers

Salsola tragus Linnaeus Celak.

Spineless Saltwort

Euro.: **not listed**N.I.: **not listed**Ir.: **not listed**Brit.: **not listed**Local: **Extinct**Last seen: **1915**

Salsola tragus (previously *S. kali* ssp. *ruthenica*) and *Salsola kali* (previously *Salsola kali* ssp. *kali*) have both occurred in county Down. They are annuals, the second a distinctive native on the upper shore of sand and shingle beaches, and the first a bushy neophyte casual on waste ground. Some workers did not differentiate between the subspecies, but the majority of records from county Down are probably *S. kali*. *Salsola tragus* has only been recorded once and is extinct.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J3574	1915	N. Carrothers

Sisymbrium irio Linnaeus
London-rocket

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2000**

An annual neophyte that has occurred as a casual only.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast	J37	1915	N. Carrothers
Sirocco Engineering Works, Ballymacarret, Belfast	J347743	29 Mar 2000	P. Hackney & J.K. Partridge

Thlaspi alliaceum Linnaeus
Garlic Penny-cress

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2000**

An annual neophyte that has occurred as a casual only.

Location	Grid Ref.	Date	Recorder
Knock, Belfast	J38667347	10 Jun 2019	G.V. Day conf. T.C.G. Rich

Lathyrus aphaca Linnaeus
Yellow Vetchling

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1939**

This introduced calcicole species is normally found on open grassland. It has only occurred once and as a casual.

Location	Grid Ref.	Date	Recorder
Tillysburn, Belfast Rd., Sydenham <i>Brenan & Simpson 1949</i>	J381765	1939	J.P.M. Brenan & N. D. Simpson

Caucalis platycarpos Linnaeus
Small Bur-parsley

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Extinct**
Last seen: **pre-1930**

A neophyte annual that occurred once as a casual.

Location	Grid Ref.	Date	Recorder
Comber Distillery, waste ground	J46	pre-1930	N. Carrothers

Aegonychon purpureocaeruleum (L.) Holub
Purple Gromwell

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1990**

An introduced perennial species that has occurred once, probably planted or as a garden escape.

Location	Grid Ref.	Date	Recorder
country lane near Ballyward	J2738	1990	S. Smyth

Buglossoides arvensis (Linnaeus) I.M. Johnst.

Field Gromwell

Euro.: **not listed**
Ir.: **RDB Critical**
Local: **Extinct**N.I.: **not listed**
Brit.: **RDB Endangered**
Last seen: **1900**

An archaeophyte annual that has occurred once as a casual.

Location	Grid Ref.	Date	Recorder
Victoria Park, Sydenham	J3675	1900	N. Carrothers

Verbascum virgatum Stokes

Twiggy Mullein

Euro.: **not listed**
Ir.: **not listed**
Local: **3**N.I.: **not listed**
Brit.: **not listed**
Last seen: **1976**

A neophyte perennial that was recorded once as naturalised on a roadside.

Location	Grid Ref.	Date	Recorder
along roadside north of Dundrum for c. 0.25ml	J43	1976	D.S. Lambert

Misopates orontium (Linnaeus) Rafin

Weasel's-snout

Euro.: **not listed**
Ir.: **FPO; RDB Endangered**
Local: **Extinct**N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **1868**

An archaeophyte annual that was recorded once as an arable casual.

Location	Grid Ref.	Date	Recorder
Struell	J5144	1868	Unknown

Sibthorpia europaea Linnaeus

Cornish Moneywort

Euro.: **not listed**
Ir.: **RDB Rare**
Local: **Extinct**N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1953**

An introduced perennial that has occurred once in a chalk quarry as a casual of unknown origin. The quarry has since been flooded and is extinct.

Location	Grid Ref.	Date	Recorder
Moir	J16	1953	BNFC

Veronica hederifolia Linnaeus ssp. ***lucorum*** (Klett & Richter) HartlEuro.: **not listed**
Ir.: **not listed**
Local: **3**N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1998**

An archaeophyte annual that has only been recorded in urban situations.

Location	Grid Ref.	Date	Recorder
Lisburn	J259625	01 Apr 2019	S. Belshaw
Newcastle	J3729	13 May 2018	G.V. Day
Belvoir Park Estate, Belvoir	J3268	09 Jan 1998	D. Broughton
Knockdene Park, Belfast-garden weed	J388738	1975	D.S. Lambert

Campanula trachelium Linnaeus
Nettle-leaved Bellflower

Euro.: **not listed**
Ir.: **RDB Least Concern**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **2019**

An attractive introduced perennial that is grown as a garden ornamental.

Location	Grid Ref.	Date	Recorder
Hillsborough demesne	J2458	1920	N.H. Foster
Hillsborough Castle Demesne	J24195924	30 Jul 2019	J. Kirk

Carduus nutans Linnaeus
Musk Thistle

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Least Concern**
Last seen: **1991**

An introduced perennial casual species that is usually found on base-rich ground and has been recorded on three occasions. It does not appear to persist in county Down.

Location	Grid Ref.	Date	Recorder
Benagh Lower Td, 1km N of Cranfield	J263123	30 Aug 1991	E. Porter & I. Crawford
in a reseeded field beside track to Lough Shannagh, Mourne Mountains, introduced with seed - gone by 1986	J2925	1985	Habitat Survey Team, EHS
Ballymacarret, Belfast	J3574	1915	N. Carrothers

Crepis nicaeensis Balb.
French Hawk's-beard

Euro.: **not listed**
Ir.: **not listed**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1878**

An introduced casual, which was recorded once near Holywood.

Location	Grid Ref.	Date	Recorder
Kinnegar	J3978	1878	T.H. Corry redet. J.B. Marshall 1963

Arabis collina Ten.
Rosy Cress

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB not listed**
Last seen: **2011**

A garden escape, recorded once in Lisburn.

Location	Grid Ref.	Date	Recorder
Lisburn	J26346277	15 Aug 2011	G.V. Day

Allium oleraceum Linnaeus
Field Garlic

Euro.: **not listed**
Ir.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Vulnerable**
Last seen: **2002**

A casual that was recorded only once.

Location	Grid Ref.	Date	Recorder
Comber Greenway, Tullycarnet, Belfast	J398736	14 Jul 2002	J. Wilde

Asparagus officinalis Linnaeus

Garden Asparagus

Euro.: **not listed**Ir.: **not listed**Local: **3**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1985**

A casual that was recorded only once.

Location	Grid Ref.	Date	Recorder
Murlough NNR	J3933	1985	J. Whatmough

Lolium temulentum Linnaeus

Darnel

Euro.: **Least Concern**Ir.: **RDB Endangered**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Critical**Last seen: **1871**

An archaeophyte annual that occurred once as a rare casual of arable fields and is now extinct in Down.

Location	Grid Ref.	Date	Recorder
field by Belfast Road, west of Newtownards	J47	1871	E.F. Linton

Elymus canadensis LinnaeusEuro.: **not listed**Ir.: **RDB Rare**Local: **3**N.I.: **not listed**Brit.: **not listed**Last seen: **1972**

A neophyte that has occurred as a very rare casual of waste ground.

Location	Grid Ref.	Date	Recorder
Mazetown	J222623	1996	S.A. Wolfe-Murphy det. P. Hackney
Dibney River, Killyleagh	J507533	05 Mar 1972	J. Harron

Hordeum secalinum Schreber

Meadow Barley

Euro.: **Least Concern**Ir.: **FPO; RDB Vulnerable**Local: **Extinct**N.I.: **not listed**Brit.: **RDB Least Concern**Last seen: **1916**

A casual that is native to southern Ireland and previously found in wet meadows and roadsides. It has been extinct since 1916.

Location	Grid Ref.	Date	Recorder
Ballymacarret, Belfast - casual	J3574	1916	N. Carrothers
in meadows going to Connswater	J3673	1806	J. Templeton

CHECKLIST OF TAXA FROM COUNTY DOWN

The taxa listed here from county Down include all recorded vascular plant species and subspecies, including hybrids, casuals, aliens, garden escapes, and planted species in wild situations. All species which are currently considered to be errors of identification or which require confirmation of identification have been excluded. All varieties, with one exception have also been excluded.

<i>Abies alba</i>	<i>Alnus rubra</i>
<i>Abies grandis</i>	<i>Alopecurus geniculatus</i>
<i>Abies procera</i>	<i>Alopecurus pratensis</i>
<i>Acaena anserinifolia</i>	<i>Amaranthus retroflexus</i>
<i>Acaena novae-zelandiae</i>	<i>Ambrosia artemisiifolia</i>
<i>Acaena ovalifolia</i>	<i>Amelanchier lamarckii</i>
<i>Acer campestre</i>	<i>Ammi majus</i>
<i>Acer platanoides</i>	<i>Ammophila arenaria</i>
<i>Acer pseudoplatanus</i>	<i>Amsinckia micrantha</i>
<i>Achillea millefolium</i>	<i>Anacamptis morio</i>
<i>Achillea ptarmica</i>	<i>Anacamptis pyramidalis</i>
<i>Aconitum napellus</i>	<i>Anchusa officinalis</i>
<i>Acorus calamus</i>	<i>Andromeda polifolia</i>
<i>Adonis annua</i>	<i>Anemone x hybrida</i>
<i>Adoxa moschatellina</i>	<i>Anemone nemorosa</i>
<i>Aegonychon purpureocaeruleum</i>	<i>Anethum graveolens</i>
<i>Aegopodium podagraria</i>	<i>Angelica sylvestris</i>
<i>Aesculus hippocastanum</i>	<i>Anisantha sterilis</i>
<i>Aethusa cynapium</i>	<i>Antennaria dioica</i>
<i>Agrimonia eupatoria</i>	<i>Anthemis arvensis</i>
<i>Agrimonia procera</i>	<i>Anthemis cotula</i>
<i>Agrostemma githago</i>	<i>Anthoxanthum odoratum</i>
<i>Agrostis canina</i>	<i>Anthriscus caucalis</i>
<i>Agrostis capillaris</i>	<i>Anthriscus sylvestris</i>
<i>Agrostis gigantea</i>	<i>Anthyllis vulneraria</i>
<i>Agrostis stolonifera</i>	<i>Antirrhinum majus</i>
<i>Agrostis vinealis</i>	<i>Aphanes arvensis</i>
<i>Aira caryophylla</i>	<i>Aphanes australis</i>
<i>Aira praecox</i>	<i>Apium graveolens</i>
<i>Ajuga reptans</i>	<i>Aquilegia vulgaris</i>
<i>Alchemilla filicaulis</i> ssp. <i>vestita</i>	<i>Arabidopsis thaliana</i>
<i>Alchemilla glabra</i>	<i>Arabis collina</i>
<i>Alchemilla xanthochlora</i>	<i>Arabis hirsuta</i>
<i>Alisma lanceolatum</i>	<i>Araucaria araucana</i>
<i>Alisma plantago-aquatica</i>	<i>Arbutus unedo</i>
<i>Alliaria petiolata</i>	<i>Arctium minus</i> ssp. <i>minus</i>
<i>Allium ampeloprasum</i> var. <i>babingtonii</i>	<i>Arctium nemorosum</i>
<i>Allium carinatum</i>	<i>Arenaria balearica</i>
<i>Allium oleraceum</i>	<i>Arenaria leptoclados</i>
<i>Allium roseum</i>	<i>Arenaria serpyllifolia</i> ssp. <i>serpyllifolia</i>
<i>Allium scorodoprasum</i>	<i>Armeria maritima</i>
<i>Allium triquetrum</i>	<i>Armeria maritima</i> ssp. <i>maritima</i>
<i>Allium ursinum</i>	<i>Armoracia rusticana</i>
<i>Allium vineale</i>	<i>Arrhenatherum elatius</i>
<i>Alnus cordata</i>	<i>Arrhenatherum elatius</i> var. <i>bulbosum</i>
<i>Alnus glutinosa</i>	<i>Arrhenatherum elatius</i> var. <i>elatius</i>
<i>Alnus incana</i>	<i>Artemisia biennis</i>
	<i>Artemisia maritima</i>

<i>Artemisia vulgaris</i>	<i>Blysmus rufus</i>
<i>Arum italicum</i>	<i>Bolboschoenus maritimus</i>
<i>Arum maculatum</i>	<i>Borago officinalis</i>
<i>Asparagus officinalis</i>	<i>Botrychium lunaria</i>
<i>Asplenium adiantum-nigrum</i>	<i>Brachyglottis</i> x <i>jubar</i> (? <i>B. compacta</i> x <i>B. laxifolia</i>)
<i>Asplenium ceterach</i>	<i>Brachypodium sylvaticum</i>
<i>Asplenium marinum</i>	<i>Brassica napus</i>
<i>Asplenium onopteris</i>	<i>Brassica napus</i> ssp. <i>oleifera</i>
<i>Asplenium ruta-muraria</i>	<i>Brassica rapa</i>
<i>Asplenium scolopendrium</i>	<i>Briza maxima</i>
<i>Asplenium septentrionale</i>	<i>Briza media</i>
<i>Asplenium trichomanes</i> ssp. <i>quadrivalens</i>	<i>Bromopsis erecta</i>
<i>Asplenium trichomanes</i> ssp. <i>trichomanes</i>	<i>Bromopsis ramosa</i>
<i>Athyrium filix-femina</i>	<i>Bromus hordeaceus</i> ssp. <i>ferronii</i>
<i>Atriplex glabriuscula</i>	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>
<i>Atriplex</i> x <i>gustafssoniana</i>	<i>Bromus lepidus</i>
<i>Atriplex laciniata</i>	<i>Bromus racemosus</i>
<i>Atriplex littoralis</i>	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i> x <i>lepidus</i> (<i>B.</i> x <i>pseudothominei</i>)
<i>Atriplex patula</i>	<i>Bryonia dioica</i>
<i>Atriplex portulacoides</i>	<i>Buddleja davidii</i>
<i>Atriplex prostrata</i>	<i>Buglossoides arvensis</i>
<i>Atriplex</i> x <i>taschereaui</i>	<i>Bupleurum subovatum</i>
<i>Aubrieta deltoidea</i>	<i>Butomus umbellatus</i>
<i>Aucuba japonica</i>	<i>Buxus sempervirens</i>
<i>Avena fatua</i>	<i>Cakile maritima</i>
<i>Avena sativa</i>	<i>Calamagrostis epigejos</i>
<i>Avena strigosa</i>	<i>Calamagrostis stricta</i>
<i>Avenella flexuosa</i>	<i>Calendula officinalis</i>
<i>Avenula pubescens</i>	<i>Callitriche brutia</i>
<i>Azolla filiculoides</i>	<i>Callitriche brutia</i> ssp. <i>hamulata</i>
<i>Baldellia ranunculoides</i>	<i>Callitriche hermaphroditica</i>
<i>Ballota nigra</i>	<i>Callitriche obtusangula</i>
<i>Barbarea intermedia</i>	<i>Callitriche platycarpa</i>
<i>Barbarea verna</i>	<i>Callitriche stagnalis</i>
<i>Barbarea vulgaris</i>	<i>Calluna vulgaris</i>
<i>Bellis perennis</i>	<i>Caltha palustris</i>
<i>Berberis darwinii</i>	<i>Calystegia pulchra</i>
<i>Berberis darwinii</i> x <i>empetrifolia</i> (<i>B.</i> x <i>stenophylla</i>)	<i>Calystegia sepium</i> ssp. <i>roseata</i>
<i>Berberis vulgaris</i>	<i>Calystegia sepium</i> ssp. <i>sepium</i>
<i>Berula erecta</i>	<i>Calystegia silvatica</i>
<i>Beta vulgaris</i> ssp. <i>maritima</i>	<i>Calystegia silvatica</i> ssp. <i>disjuncta</i>
<i>Betula pendula</i>	<i>Calystegia silvatica</i> var. <i>quinquepartita</i>
<i>Betula pendula</i> x <i>pubescens</i> (<i>B.</i> x <i>aurata</i>)	<i>Calystegia soldanella</i>
<i>Betula pubescens</i>	<i>Camelina alyssum</i>
<i>Betula pubescens</i> ssp. <i>tortuosa</i>	<i>Camelina sativa</i>
<i>Betula utilis</i>	<i>Campanula latifolia</i>
<i>Bidens cernua</i>	<i>Campanula rapunculoides</i>
<i>Bidens tripartita</i>	<i>Campanula rotundifolia</i>
<i>Bistorta amplexicaulis</i>	<i>Campanula trachelium</i>
<i>Bistorta officinalis</i>	<i>Cannabis sativa</i>
<i>Blackstonia perfoliata</i>	<i>Capsella bursa-pastoris</i>
<i>Blechnum cordatum</i>	<i>Cardamine amara</i>
<i>Blechnum spicant</i>	<i>Cardamine corymbosa</i>
<i>Blitum bonus-henricus</i>	<i>Cardamine flexuosa</i>

<i>Cardamine hirsuta</i>	<i>Carlina vulgaris</i>
<i>Cardamine occulta</i>	<i>Carpinus betulus</i>
<i>Cardamine pratensis</i>	<i>Carpobrotus edulis</i>
<i>Carduus crispus</i>	<i>Carum carvi</i>
<i>Carduus nutans</i>	<i>Castanea sativa</i>
<i>Carduus tenuiflorus</i>	<i>Catabrosa aquatica</i>
<i>Carex acuta</i>	<i>Catapodium marinum</i>
<i>Carex acutiformis</i>	<i>Catapodium rigidum</i>
<i>Carex aquatilis</i>	<i>Caucalis platycarpus</i>
<i>Carex arenaria</i>	<i>Cedrus atlantica</i> cv. <i>Glauca</i>
<i>Carex bigelowii</i>	<i>Centaurea cyanus</i>
<i>Carex binervis</i>	<i>Centaurea nigra</i>
<i>Carex canescens</i>	<i>Centaurea scabiosa</i>
<i>Carex caryophylla</i>	<i>Centaurium erythraea</i>
<i>Carex demissa</i>	<i>Centranthus ruber</i>
<i>Carex diandra</i>	<i>Cephalanthera longifolia</i>
<i>Carex dioica</i>	<i>Cerastium arvense</i>
<i>Carex distans</i>	<i>Cerastium diffusum</i>
<i>Carex distans</i> x <i>lepidocarpa</i> (<i>C.</i> x <i>binderi</i>)	<i>Cerastium fontanum</i>
<i>Carex disticha</i>	<i>Cerastium fontanum</i> ssp. <i>vulgare</i>
<i>Carex divulsa</i>	<i>Cerastium glomeratum</i>
<i>Carex divulsa</i> ssp. <i>divulsa</i>	<i>Cerastium semidecandrum</i>
<i>Carex echinata</i>	<i>Cerastium tomentosum</i>
<i>Carex elata</i>	<i>Ceratocarpus claviculata</i>
<i>Carex extensa</i>	<i>Ceratophyllum demersum</i>
<i>Carex flacca</i>	<i>Ceratophyllum submersum</i>
<i>Carex hirta</i>	<i>Chaenorhinum minus</i>
<i>Carex hostiana</i>	<i>Chaerophyllum temulum</i>
<i>Carex hostiana</i> x <i>demissa</i> (<i>C.</i> x <i>fulva</i>)	<i>Chamaemelum nobile</i>
<i>Carex laevigata</i>	<i>Chamaenerion angustifolium</i>
<i>Carex lasiocarpa</i>	<i>Chelidonium majus</i>
<i>Carex lepidocarpa</i>	<i>Chenopodium album</i>
<i>Carex leporina</i>	<i>Chenopodium ficifolium</i>
<i>Carex limosa</i>	<i>Chenopodium suecicum</i>
<i>Carex muricata</i> ssp. <i>pairae</i>	<i>Chrysosplenium oppositifolium</i>
<i>Carex nigra</i>	<i>Cicerbita macrophylla</i>
<i>Carex otrubae</i>	<i>Cichorium intybus</i>
<i>Carex otrubae</i> x <i>remota</i> (<i>C.</i> x <i>pseudoaxillaris</i>)	<i>Cicuta virosa</i>
<i>Carex pallescens</i>	<i>Circaea alpina</i> x <i>lutetiana</i> (<i>C.</i> x <i>intermedia</i>)
<i>Carex panicea</i>	<i>Circaea lutetiana</i>
<i>Carex paniculata</i>	<i>Cirsium arvense</i>
<i>Carex pauciflora</i>	<i>Cirsium dissectum</i>
<i>Carex pendula</i>	<i>Cirsium palustre</i>
<i>Carex pilulifera</i>	<i>Cirsium vulgare</i>
<i>Carex pseudocyperus</i>	<i>Cladium mariscus</i>
<i>Carex pulicaris</i>	<i>Claytonia perfoliata</i>
<i>Carex remota</i>	<i>Claytonia sibirica</i>
<i>Carex riparia</i>	<i>Clematis montana</i>
<i>Carex rostrata</i>	<i>Clematis vitalba</i>
<i>Carex rostrata</i> x <i>vesicaria</i> (<i>C.</i> x <i>involuta</i>)	<i>Clinopodium acinos</i>
<i>Carex spicata</i>	<i>Clinopodium ascendens</i>
<i>Carex strigosa</i>	<i>Clinopodium vulgare</i>
<i>Carex sylvatica</i>	<i>Cochlearia anglica</i>
<i>Carex vesicaria</i>	<i>Cochlearia anglica</i> x <i>officinalis</i> (<i>C.</i> x <i>hollandica</i>)
<i>Carex viridula</i>	<i>Cochlearia danica</i>

<i>Cochlearia danica</i> x <i>officinalis</i>	<i>Cuscuta epithymum</i>
<i>Cochlearia officinalis</i> ssp. <i>officinalis</i>	<i>Cymbalaria hepaticifolia</i>
<i>Cochlearia officinalis</i> ssp. <i>scotica</i>	<i>Cymbalaria muralis</i>
<i>Coeloglossum viride</i>	<i>Cymbalaria muralis</i> ssp. <i>muralis</i>
<i>Coeloglossum viride</i> x <i>Dactylorhiza fuchsii</i> (x <i>Dactyloglossum mixtum</i>)	<i>Cynoglossum officinale</i>
<i>Comarum palustre</i>	<i>Cynosurus cristatus</i>
<i>Conium maculatum</i>	<i>Cynosurus echinatus</i>
<i>Conopodium majus</i>	<i>Cyperus eragrostis</i>
<i>Conringia orientalis</i>	<i>Cystopteris fragilis</i>
<i>Convolvulus arvensis</i>	<i>Cytisus scoparius</i>
<i>Cordyline australis</i>	<i>Cytisus scoparius</i> ssp. <i>scoparius</i>
<i>Cornus alba</i>	<i>Dactylis glomerata</i>
<i>Cornus sanguinea</i>	<i>Dactylorhiza fuchsii</i>
<i>Cornus sericea</i>	<i>Dactylorhiza fuchsii</i> x <i>incarnata</i> (D. x <i>kernerorum</i>)
<i>Cortaderia richardii</i>	<i>Dactylorhiza fuchsii</i> x <i>maculata</i> (D. x <i>transiens</i>)
<i>Cortaderia selloana</i>	<i>Dactylorhiza fuchsii</i> x <i>purpurella</i> (D. x <i>venusta</i>)
<i>Corylus avellana</i>	<i>Dactylorhiza incarnata</i> ssp. <i>coccinea</i>
<i>Cotoneaster bullatus</i>	<i>Dactylorhiza incarnata</i> ssp. <i>cruenta</i>
<i>Cotoneaster franchetii</i>	<i>Dactylorhiza incarnata</i> ssp. <i>incarnata</i>
<i>Cotoneaster frigidus</i>	<i>Dactylorhiza incarnata</i> ssp. <i>pulchella</i>
<i>Cotoneaster horizontalis</i>	<i>Dactylorhiza maculata</i>
<i>Cotoneaster integrifolius</i>	<i>Dactylorhiza maculata</i> ssp. <i>ericetorum</i>
<i>Cotoneaster microphyllus</i> agg.	<i>Dactylorhiza maculata</i> x <i>Gymnadenia conopsea</i> (x <i>Dactyloadenia legrandiana</i>)
<i>Cotoneaster mucronatus</i>	<i>Dactylorhiza maculata</i> x <i>Gymnadenia borealis</i> (x <i>Dactyloadenia evansii</i>
<i>Cotoneaster simonsii</i>	<i>Dactylorhiza maculata</i> x <i>purpurella</i> (D. x <i>formosa</i>)
<i>Cotoneaster</i> x <i>watereri</i>	<i>Dactylorhiza purpurella</i>
<i>Cotula squalida</i>	<i>Dactylorhiza purpurella</i> x <i>Gymnadenia borealis</i> (x <i>Dactyloadenia varia</i>)
<i>Crambe maritima</i>	<i>Danthonia decumbens</i>
<i>Crassula helmsii</i>	<i>Daphne laureola</i>
<i>Crassula tillaea</i>	<i>Darmera peltata</i>
<i>Crataegus laevigata</i>	<i>Dasiphora fruticosa</i>
<i>Crataegus laevigata</i> x <i>monogyna</i> (C. x <i>macrocarpa</i>)	<i>Datura stramonium</i>
<i>Crataegus monogyna</i>	<i>Daucus carota</i>
<i>Crepis biennis</i>	<i>Daucus carota</i> ssp. <i>carota</i>
<i>Crepis capillaris</i>	<i>Deschampsia cespitosa</i>
<i>Crepis nicaeensis</i>	<i>Deschampsia cespitosa</i> ssp. <i>cespitosa</i>
<i>Crepis paludosa</i>	<i>Descurainia sophia</i>
<i>Crepis vesicaria</i>	<i>Dianthus caryophyllus</i>
<i>Crithmum maritimum</i>	<i>Dicksonia antarctica</i>
<i>Crocasmia masoniorum</i>	<i>Digitalis purpurea</i>
<i>Crocasmia paniculata</i>	<i>Diphasiastrum alpinum</i>
<i>Crocasmia aurea</i> x <i>pottsii</i> (C. x <i>crocasmiiiflora</i>)	<i>Diplotaxis muralis</i>
<i>Crocus flavus</i>	<i>Diplotaxis tenuifolia</i>
<i>Crocus</i> x <i>luteus</i>	<i>Dipsacus fullonum</i>
<i>Crocus vernus</i> agg.	<i>Dipsacus pilosus</i>
<i>Cruciata laevipes</i>	<i>Dipsacus sativus</i>
<i>Cryptogramma crispa</i>	<i>Disphyma crassifolium</i>
<i>Cryptomeria japonica</i>	<i>Doronicum pardalianches</i>
<i>Cupressus lawsoniana</i>	<i>Drabella muralis</i>
<i>Cupressus</i> x <i>leylandii</i>	<i>Drosera intermedia</i>
<i>Cupressus macrocarpa</i>	<i>Drosera anglica</i>
<i>Cupressus nootkatensis</i>	<i>Drosera rotundifolia</i>
<i>Cupressus pisifera</i>	<i>Drymochloa sylvatica</i>
<i>Cuscuta epilinum</i>	

<i>Dryopteris aemula</i>	<i>Equisetum arvense</i>
<i>Dryopteris affinis</i> ssp. <i>affinis</i>	<i>Equisetum arvense</i> x <i>fluviatile</i> (<i>E.</i> x <i>litorale</i>)
<i>Dryopteris affinis</i> ssp. <i>borreri</i>	<i>Equisetum fluviatile</i>
<i>Dryopteris affinis</i> ssp. <i>cambrensis</i>	<i>Equisetum hyemale</i>
<i>Dryopteris carthusiana</i>	<i>Equisetum hyemale</i> x <i>variegatum</i> (<i>E.</i> x <i>trachyodon</i>)
<i>Dryopteris carthusiana</i> x <i>dilatata</i> (<i>D.</i> x <i>deweveri</i>)	<i>Equisetum palustre</i>
<i>Dryopteris dilatata</i>	<i>Equisetum pratense</i>
<i>Dryopteris filix-mas</i>	<i>Equisetum sylvaticum</i>
<i>Dryopteris oreades</i>	<i>Equisetum telmateia</i>
<i>Echinochloa colona</i>	<i>Equisetum variegatum</i>
<i>Echinochloa crus-galli</i>	<i>Erica cinerea</i>
<i>Echium vulgare</i>	<i>Erica lusitanica</i>
<i>Elatine hexandra</i>	<i>Erica tetralix</i>
<i>Elatine hydropiper</i>	<i>Erica vagans</i>
<i>Eleocharis acicularis</i>	<i>Erigeron acris</i>
<i>Eleocharis multicaulis</i>	<i>Erigeron canadensis</i>
<i>Eleocharis palustris</i>	<i>Erigeron floribundus</i>
<i>Eleocharis palustris</i> ssp. <i>waltersii</i>	<i>Erigeron glaucus</i>
<i>Eleocharis quinqueflora</i>	<i>Erigeron karvinskianus</i>
<i>Eleocharis uniglumis</i>	<i>Erinus alpinus</i>
<i>Eleogiton fluitans</i>	<i>Eriophorum angustifolium</i>
<i>Eleusine multiflora</i>	<i>Eriophorum latifolium</i>
<i>Elodea callitrichoides</i>	<i>Eriophorum vaginatum</i>
<i>Elodea canadensis</i>	<i>Erodium cicutarium</i>
<i>Elodea nuttallii</i>	<i>Erodium lebelii</i>
<i>Elymus athericus</i>	<i>Erodium maritimum</i>
<i>Elymus athericus</i> x <i>repens</i> (<i>E.</i> x <i>drucei</i>)	<i>Erodium moschatum</i>
<i>Elymus canadensis</i>	<i>Erophila glabrescens</i>
<i>Elymus caninus</i>	<i>Erophila majuscula</i>
<i>Elymus junceiformis</i>	<i>Erophila verna</i>
<i>Elymus junceiformis</i> x <i>repens</i> (<i>E.</i> x <i>laxus</i>)	<i>Erophila verna</i> var. <i>praecox</i>
<i>Elymus repens</i>	<i>Erophila verna</i> var. <i>verna</i>
<i>Elymus repens</i> ssp. <i>arenosus</i>	<i>Ervilia hirsuta</i>
<i>Empetrum nigrum</i>	<i>Ervilia sylvatica</i>
<i>Empetrum nigrum</i> ssp. <i>nigrum</i>	<i>Ervum tetraspermum</i>
<i>Epilobium brunnescens</i>	<i>Eryngium maritimum</i>
<i>Epilobium ciliatum</i>	<i>Erysimum cheiranthoides</i>
<i>Epilobium ciliatum</i> x <i>montanum</i> (<i>E.</i> x <i>interjectum</i>)	<i>Erysimum cheiri</i>
<i>Epilobium ciliatum</i> x <i>obscurum</i> (<i>E.</i> x <i>vicinum</i>)	<i>Erythranthe guttatus</i> x <i>luteus</i> (<i>M.</i> x <i>robertsii</i>)
<i>Epilobium ciliatum</i> x <i>palustre</i> (<i>E.</i> x <i>fossicola</i>)	<i>Erythranthe moschata</i>
<i>Epilobium ciliatum</i> x <i>parviflorum</i> (<i>E.</i> x <i>floridulum</i>)	<i>Escallonia rubra</i> var. <i>macrantha</i>
<i>Epilobium hirsutum</i>	<i>Eschscholzia californica</i>
<i>Epilobium hirsutum</i> x <i>parviflorum</i> (<i>E.</i> x <i>subhirsutum</i>)	<i>Euonymus europaeus</i>
<i>Epilobium komarovianum</i>	<i>Eupatorium cannabinum</i>
<i>Epilobium montanum</i>	<i>Euphorbia exigua</i>
<i>Epilobium obscurum</i>	<i>Euphorbia helioscopia</i>
<i>Epilobium obscurum</i> x <i>palustre</i> (<i>E.</i> x <i>schmidtianum</i>)	<i>Euphorbia paralias</i>
<i>Epilobium palustre</i>	<i>Euphorbia peplus</i>
<i>Epilobium parviflorum</i>	<i>Euphorbia portlandica</i>
<i>Epilobium pedunculare</i>	<i>Euphrasia arctica</i>
<i>Epilobium roseum</i>	<i>Euphrasia arctica</i> ssp. <i>borealis</i>
<i>Epilobium tetragonum</i>	<i>Euphrasia arctica</i> x <i>micrantha</i>
<i>Epipactis helleborine</i>	<i>Euphrasia arctica</i> x <i>scottica</i>
<i>Epipactis palustris</i>	<i>Euphrasia arctica</i> x <i>tetraquetra</i> (<i>E.</i> x <i>pratiuscula</i>)
	<i>Euphrasia confusa</i>

<i>Euphrasia confusa</i> x <i>micrantha</i>	<i>Galium saxatile</i>
<i>Euphrasia micrantha</i>	<i>Galium sternerii</i>
<i>Euphrasia micrantha</i> x <i>nemorosa</i>	<i>Galium uliginosum</i>
<i>Euphrasia micrantha</i> x <i>scottica</i> (<i>E. x electa</i>)	<i>Galium verum</i>
<i>Euphrasia micrantha</i> x <i>tetraquetra</i>	<i>Gaultheria mucronata</i>
<i>Euphrasia nemorosa</i>	<i>Gaultheria shallon</i>
<i>Euphrasia nemorosa</i> x <i>scottica</i>	<i>Gentianella campestris</i>
<i>Euphrasia nemorosa</i> x <i>tetraquetra</i>	<i>Geranium columbinum</i>
<i>Euphrasia officinalis</i> ssp. <i>anglica</i>	<i>Geranium dissectum</i>
<i>Euphrasia officinalis</i> ssp. <i>pratensis</i>	<i>Geranium endressii</i>
<i>Euphrasia scottica</i>	<i>Geranium endressii</i> x <i>versicolor</i> (<i>G. x oxonianum</i>)
<i>Euphrasia tetraquetra</i>	<i>Geranium lucidum</i>
<i>Fagus sylvatica</i>	<i>Geranium macrorrhizum</i>
<i>Falcaria vulgaris</i>	<i>Geranium molle</i>
<i>Fallopia baldschuanica</i>	<i>Geranium nodosum</i>
<i>Fallopia convolvulus</i>	<i>Geranium phaeum</i>
<i>Fargesia spathacea</i>	<i>Geranium pratense</i>
<i>Festuca filiformis</i>	<i>Geranium pusillum</i>
<i>Festuca ovina</i>	<i>Geranium pyrenaicum</i>
<i>Festuca ovina</i> ssp. <i>ovina</i>	<i>Geranium robertianum</i>
<i>Festuca ovina</i> x <i>vivipara</i>	<i>Geranium sanguineum</i>
<i>Festuca rubra</i>	<i>Geranium sylvaticum</i>
<i>Festuca vivipara</i>	<i>Geranium versicolor</i>
<i>Ficaria verna</i>	<i>Geum rivale</i>
<i>Ficaria verna</i> ssp. <i>fertilis</i>	<i>Geum urbanum</i>
<i>Ficaria verna</i> ssp. <i>verna</i>	<i>Glaucium flavum</i>
<i>Filago germanica</i>	<i>Glebionis segetum</i>
<i>Filipendula ulmaria</i>	<i>Glechoma hederacea</i>
<i>Foeniculum vulgare</i>	<i>Glyceria declinata</i>
<i>Fragaria ananassa</i>	<i>Glyceria fluitans</i>
<i>Fragaria vesca</i>	<i>Glyceria fluitans</i> x <i>notata</i> (<i>G. x pedicellata</i>)
<i>Frangula alnus</i>	<i>Glyceria maxima</i>
<i>Fraxinus excelsior</i>	<i>Glyceria notata</i>
<i>Fuchsia magellanica</i>	<i>Gnaphalium sylvaticum</i>
<i>Fumaria bastardii</i>	<i>Gnaphalium uliginosum</i>
<i>Fumaria capreolata</i>	<i>Griselinia littoralis</i>
<i>Fumaria capreolata</i> ssp. <i>babingtonii</i>	<i>Gunnera manicata</i>
<i>Fumaria densiflora</i>	<i>Gunnera tinctoria</i>
<i>Fumaria muralis</i>	<i>Gymnadenia borealis</i>
<i>Fumaria muralis</i> ssp. <i>boraei</i>	<i>Gymnadenia conopsea</i>
<i>Fumaria officinalis</i> ssp. <i>officinalis</i>	<i>Gymnadenia densiflora</i>
<i>Fumaria officinalis</i> ssp. <i>wirtgenii</i>	<i>Gymnocarpium dryopteris</i>
<i>Fumaria purpurea</i>	<i>Hammarbya paludosa</i>
<i>Galanthus nivalis</i>	<i>Hedera colchica</i>
<i>Galeopsis bifida</i>	<i>Hedera helix</i>
<i>Galeopsis speciosa</i>	<i>Hedera hibernica</i>
<i>Galeopsis tetrahit</i>	<i>Helianthus annuus</i>
<i>Galinsoga parviflora</i>	<i>Helminthotheca echioides</i>
<i>Galinsoga quadriradiata</i>	<i>Helosicadium inundatum</i>
<i>Galium album</i>	<i>Helosicadium nodiflorum</i>
<i>Galium aparine</i>	<i>Helosicadium nodiflorum</i> x <i>inundatum</i> (<i>H. x moorei</i>)
<i>Galium boreale</i>	<i>Heracleum mantegazzianum</i>
<i>Galium odoratum</i>	<i>Heracleum mantegazzianum</i> x <i>sphondylium</i>
<i>Galium palustre</i> ssp. <i>elongatum</i>	<i>Heracleum sphondylium</i>
<i>Galium palustre</i> ssp. <i>palustre</i>	<i>Heracleum sphondylium</i> ssp. <i>sphondylium</i>

<i>Hesperis matronalis</i>	<i>Ilex aquifolium</i>
<i>Hieracium acuminatum</i>	<i>Impatiens balfourii</i>
<i>Hieracium argenteum</i>	<i>Impatiens capensis</i>
<i>Hieracium cheriense</i>	<i>Impatiens glandulifera</i>
<i>Hieracium cinderella</i>	<i>Impatiens noli-tangere</i>
<i>Hieracium duriceps</i>	<i>Imperatoria ostruthium</i>
<i>Hieracium grandidens</i>	<i>Inula helenium</i>
<i>Hieracium hibernicum</i> var. <i>hibernicum</i>	<i>Iris foetidissima</i>
<i>Hieracium lasiophyllum</i>	<i>Iris pseudacorus</i>
<i>Hieracium latobrigorum</i>	<i>Isoetes lacustris</i>
<i>Hieracium orimeles</i>	<i>Isolepis cernua</i>
<i>Hieracium stewartii</i>	<i>Isolepis setacea</i>
<i>Hieracium strictiforme</i>	
<i>Hieracium subrude</i>	
<i>Hieracium triviale</i>	<i>Jacobaea aquatica</i>
<i>Hieracium uigenskyense</i>	<i>Jacobaea vulgaris</i> x <i>aquatica</i> (S. x <i>ostenfeldii</i>)
<i>Hieracium vulgatum</i>	<i>Jacobaea maritima</i>
<i>Hippophae rhamnoides</i>	<i>Jacobaea maritima</i> x <i>vulgaris</i> (S. x <i>albescens</i>)
<i>Hippuris vulgaris</i>	<i>Jacobaea vulgaris</i>
<i>Holcus lanatus</i>	<i>Jacobaea vulgaris</i> ssp. <i>dunensis</i>
<i>Holcus mollis</i>	<i>Jasione montana</i>
<i>Honckenya peploides</i>	<i>Juglans regia</i>
<i>Hordeum distichon</i>	<i>Juncus acutiflorus</i>
<i>Hordeum jubatum</i>	<i>Juncus acutiflorus</i> x <i>articulatus</i> (J. x <i>surrejanus</i>)
<i>Hordeum murinum</i>	<i>Juncus articulatus</i>
<i>Hordeum secalinum</i>	<i>Juncus bufonius</i>
<i>Hordeum vulgare</i>	<i>Juncus bulbosus</i>
<i>Hottonia palustris</i>	<i>Juncus bulbosus</i> ssp. <i>bulbosus</i>
<i>Humulus lupulus</i>	<i>Juncus conglomeratus</i>
<i>Huperzia selago</i>	<i>Juncus conglomeratus</i> x <i>effusus</i> (J. x <i>kernreichgeltii</i>)
<i>Hyacinthoides hispanica</i>	<i>Juncus effusus</i>
<i>Hyacinthoides hispanica</i> x <i>non-scripta</i> (H. x <i>massartiana</i>)	<i>Juncus effusus</i> x <i>inflexus</i> (J. x <i>diffusus</i>)
<i>Hyacinthoides non-scripta</i>	<i>Juncus foliosus</i>
<i>Hydrocharis morsus-ranae</i>	<i>Juncus gerardii</i>
<i>Hydrocotyle ranunculoides</i>	<i>Juncus inflexus</i>
<i>Hydrocotyle vulgaris</i>	<i>Juncus maritimus</i>
<i>Hylotelephium telephium</i>	<i>Juncus ranarius</i>
<i>Hylotelephium telephium</i> ssp. <i>fabaria</i>	<i>Juncus squarrosus</i>
<i>Hymenophyllum wilsonii</i>	<i>Juncus subnodulosus</i>
<i>Hyoscyamus niger</i>	<i>Juncus tenuis</i>
<i>Hypericum androsaemum</i>	<i>Juniperus communis</i>
<i>Hypericum androsaemum</i> x <i>hircinum</i> (H. x <i>inodorum</i>)	<i>Juniperus communis</i> ssp. <i>nana</i>
<i>Hypericum calycinum</i>	
<i>Hypericum elodes</i>	<i>Kerria japonica</i>
<i>Hypericum hirsutum</i>	<i>Knautia arvensis</i>
<i>Hypericum humifusum</i>	<i>Koeleria macrantha</i>
<i>Hypericum maculatum</i>	<i>Koenigia campanulata</i>
<i>Hypericum maculatum</i> ssp. <i>obtusiusculum</i>	<i>Koenigia polystachya</i>
<i>Hypericum maculatum</i> x <i>perforatum</i> (H. x <i>desetangsii</i>)	
<i>Hypericum perforatum</i>	<i>Laburnum alpinum</i> x <i>anagyroides</i> (L. x <i>watereri</i>)
<i>Hypericum pulchrum</i>	<i>Laburnum anagyroides</i>
<i>Hypericum tetrapterum</i>	<i>Lactuca serriola</i>
<i>Hypochaeris radicata</i>	<i>Lactuca virosa</i>
	<i>Lagarosiphon major</i>
	<i>Lamiastrum galeobdolon</i>

<i>Lamiastrum galeobdolon</i> ssp. <i>argentatum</i>	<i>Linum radiola</i>
<i>Lamium album</i>	<i>Linum usitatissimum</i>
<i>Lamium amplexicaule</i>	<i>Lipandra polysperma</i>
<i>Lamium confertum</i>	<i>Liriodendron tulipifera</i>
<i>Lamium hybridum</i>	<i>Lithospermum officinale</i>
<i>Lamium purpureum</i>	<i>Littorella uniflora</i>
<i>Lapsana communis</i>	<i>Lobelia dortmanna</i>
<i>Lapsana communis</i> ssp. <i>communis</i>	<i>Lobularia maritima</i>
<i>Larix decidua</i>	<i>Logfia minima</i>
<i>Larix decidua</i> x <i>kaempferi</i> (L. x <i>marschlinsii</i>)	<i>Lolium multiflorum</i>
<i>Larix kaempferi</i>	<i>Lolium multiflorum</i> x <i>perenne</i> (L. x <i>boucheanum</i>)
<i>Lathraea clandestina</i>	<i>Lolium perenne</i>
<i>Lathraea squamaria</i>	<i>Lolium temulentum</i>
<i>Lathyrus aphaca</i>	<i>Lonicera japonica</i>
<i>Lathyrus grandiflorus</i>	<i>Lonicera nitida</i>
<i>Lathyrus hirsutus</i>	<i>Lonicera periclymenum</i>
<i>Lathyrus linifolius</i>	<i>Lonicera pileata</i>
<i>Lathyrus nissolia</i>	<i>Lonicera xylosteum</i>
<i>Lathyrus palustris</i>	<i>Lotus corniculatus</i>
<i>Lathyrus pratensis</i>	<i>Lotus pedunculatus</i>
<i>Laurus nobilis</i>	<i>Luma apiculata</i>
<i>Lemna gibba</i>	<i>Lunaria annua</i>
<i>Lemna minor</i>	<i>Lupinus arboreus</i>
<i>Lemna minuta</i>	<i>Lupinus polyphyllus</i>
<i>Lemna trisulca</i>	<i>Luzula campestris</i>
<i>Leontodon saxatilis</i>	<i>Luzula multiflora</i> ssp. <i>congesta</i>
<i>Lepidium campestre</i>	<i>Luzula multiflora</i> ssp. <i>hibernica</i>
<i>Lepidium coronopus</i>	<i>Luzula multiflora</i> ssp. <i>multiflora</i>
<i>Lepidium didymum</i>	<i>Luzula pilosa</i>
<i>Lepidium draba</i>	<i>Luzula sylvatica</i>
<i>Lepidium heterophyllum</i>	<i>Lycium barbarum</i>
<i>Lepidium perfoliatum</i>	<i>Lycium chinense</i>
<i>Lepidium ruderae</i>	<i>Lycopodium clavatum</i>
<i>Lepidium sativum</i>	<i>Lycopsis arvensis</i>
<i>Lepidium virginicum</i>	<i>Lycopus europaeus</i>
<i>Leucanthemella serotina</i>	<i>Lysichiton americanus</i>
<i>Leucanthemum vulgare</i>	<i>Lysimachia arvensis</i>
<i>Leucanthemum</i> x <i>superbum</i> (L. <i>lacustre</i> x <i>maximum</i>)	<i>Lysimachia maritima</i>
<i>Leycesteria formosa</i>	<i>Lysimachia minima</i>
<i>Leymus arenarius</i>	<i>Lysimachia nemorum</i>
<i>Libertia formosa</i>	<i>Lysimachia nummularia</i>
<i>Ligusticum scoticum</i>	<i>Lysimachia tenella</i>
<i>Ligustrum ovalifolium</i>	<i>Lysimachia vulgaris</i>
<i>Ligustrum vulgare</i>	<i>Lythrum hyssopifolia</i>
<i>Lilium martagon</i>	<i>Lythrum portula</i>
<i>Lilium pyrenaicum</i>	<i>Lythrum portula</i> ssp. <i>portula</i>
<i>Limonium humile</i>	<i>Lythrum portula</i> ssp. <i>longidentatum</i>
<i>Limonium procerum</i> ssp. <i>procerum</i>	<i>Lythrum salicaria</i>
<i>Linaria purpurea</i>	<i>Mahonia aquifolium</i>
<i>Linaria repens</i>	<i>Malus domestica</i>
<i>Linaria repens</i> x <i>vulgaris</i> (L. x <i>sepium</i>)	<i>Malus sylvestris</i>
<i>Linaria vulgaris</i>	<i>Malva arborea</i>
<i>Linum bienne</i>	<i>Malva moschata</i>
<i>Linum catharticum</i>	<i>Malva neglecta</i>
	<i>Malva sylvestris</i>

<i>Matricaria chamomilla</i>	<i>Narcissus cyclamineus</i> x <i>moschatus</i> (<i>N.</i> x <i>dichromus</i>)
<i>Matricaria discoidea</i>	<i>Narcissus hispanicus</i>
<i>Matteuccia struthiopteris</i>	<i>Narcissus jonquilla</i> x <i>pseudonarcissus</i> (<i>N.</i> x <i>odorus</i>)
<i>Matthiola incana</i>	<i>Narcissus moschatus</i>
<i>Medicago arabica</i>	<i>Narcissus moschatus</i> x <i>poeticus</i> (<i>N.</i> x <i>boutignianus</i>)
<i>Medicago lupulina</i>	<i>Narcissus poeticus</i>
<i>Medicago sativa</i>	<i>Narcissus poeticus</i> x <i>hispanicus</i> (<i>N.</i> x <i>bernardii</i>)
<i>Melampyrum pratense</i>	<i>Narcissus poeticus</i> x <i>pseudonarcissus</i>
<i>Melampyrum sylvaticum</i>	(<i>N.</i> x <i>incomparabilis</i>)
<i>Melica uniflora</i>	<i>Narcissus poeticus</i> x <i>tazetta</i> (<i>N.</i> x <i>medioluteus</i>)
<i>Melilotus albus</i>	<i>Narcissus pseudonarcissus</i>
<i>Melilotus altissimus</i>	<i>Narcissus pseudonarcissus</i> ssp. <i>pseudonarcissus</i>
<i>Melilotus officinalis</i>	<i>Nardus stricta</i>
<i>Mentha aquatica</i>	<i>Narthecium ossifragum</i>
<i>Mentha aquatica</i> x <i>arvensis</i> (<i>M.</i> x <i>verticillata</i>)	<i>Nassella tenuissima</i>
<i>Mentha aquatica</i> x <i>spicata</i> (<i>M.</i> x <i>piperita</i>)	<i>Nasturtium microphyllum</i>
<i>Mentha arvensis</i>	<i>Nasturtium officinale</i>
<i>Mentha arvensis</i> x <i>spicata</i> (<i>M.</i> x <i>gracilis</i>)	<i>Nasturtium</i> x <i>sterile</i> (<i>N.</i> <i>microphyllum</i> x <i>N.</i> <i>officinale</i>)
<i>Mentha longifolia</i> x <i>suaveolens</i> (<i>M.</i> x <i>rotundifolia</i>)	<i>Neottia cordata</i>
<i>Mentha spicata</i>	<i>Neottia nidus-avis</i>
<i>Mentha spicata</i> x <i>suaveolens</i> (<i>M.</i> x <i>villosa</i>)	<i>Neottia ovata</i>
<i>Mentha suaveolens</i>	<i>Nigella damascena</i>
<i>Menyanthes trifoliata</i>	<i>Nothofagus alpina</i>
<i>Mercurialis annua</i>	<i>Nothofagus obliqua</i>
<i>Mercurialis perennis</i>	<i>Nothofagus alpina</i> x <i>obliqua</i> (<i>N.</i> x <i>dodecaphelps</i>)
<i>Mertensia maritima</i>	<i>Nuphar lutea</i>
<i>Micranthes stellaris</i>	<i>Nymphaea alba</i>
<i>Milium effusum</i>	<i>Nymphoides peltata</i>
<i>Misopates orontium</i>	
<i>Moehringia trinervia</i>	<i>Odontites vernus</i>
<i>Molinia caerulea</i> ssp. <i>arundinacea</i>	<i>Odontites vernus</i> ssp. <i>serotinus</i>
<i>Molinia caerulea</i> ssp. <i>caerulea</i>	<i>Odontites vernus</i> ssp. <i>vernus</i>
<i>Montia fontana</i>	<i>Oenanthe aquatica</i>
<i>Montia fontana</i> ssp. <i>chondrosperma</i>	<i>Oenanthe crocata</i>
<i>Montia fontana</i> ssp. <i>minor</i>	<i>Oenanthe fistulosa</i>
<i>Morus alba</i>	<i>Oenanthe lachenalii</i>
<i>Morus nigra</i>	<i>Oenothera biennis</i>
<i>Muehlenbeckia complexa</i>	<i>Oenothera biennis</i> x <i>glazioviana</i> (<i>O.</i> x <i>fallax</i>)
<i>Muscari armeniacum</i>	<i>Oenothera glazioviana</i>
<i>Muscari neglectum</i>	<i>Olearia avicenniifolia</i> x <i>moschata</i> (<i>O.</i> x <i>haastii</i>)
<i>Mycelis muralis</i>	<i>Olearia macrodonta</i>
<i>Myosotis arvensis</i>	<i>Olearia traversii</i>
<i>Myosotis discolor</i>	<i>Omalothea sylvatica</i>
<i>Myosotis laxa</i>	<i>Ononis repens</i>
<i>Myosotis ramosissima</i>	<i>Ophioglossum vulgatum</i>
<i>Myosotis scorpioides</i>	<i>Ophrys apifera</i>
<i>Myosotis secunda</i>	<i>Orchis mascula</i>
<i>Myosotis sylvatica</i>	<i>Oreopteris limbosperma</i>
<i>Myrica gale</i>	<i>Origanum vulgare</i>
<i>Myriophyllum alterniflorum</i>	<i>Ornithogalum umbellatum</i> ssp. <i>campestre</i>
<i>Myriophyllum aquaticum</i>	<i>Ornithogalum umbellatum</i> ssp. <i>umbellatum</i>
<i>Myriophyllum spicatum</i>	<i>Ornithopus perpusillus</i>
<i>Myriophyllum verticillatum</i>	<i>Orobanche alba</i>
<i>Myrrhis odorata</i>	
<i>Narcissus bicolor</i>	

<i>Orobanche minor</i>	<i>Picea sitchensis</i>
<i>Osmunda regalis</i>	<i>Pilosella aurantiaca</i>
<i>Oxalis acetosella</i>	<i>Pilosella aurantiaca</i> ssp. <i>aurantiaca</i>
<i>Oxalis articulata</i>	<i>Pilosella aurantiaca</i> ssp. <i>carpathicola</i>
<i>Oxalis corniculata</i>	<i>Pilosella caespitosa</i>
<i>Oxalis exilis</i>	<i>Pilosella officinarum</i>
<i>Oxalis incarnata</i>	<i>Pimpinella saxifraga</i>
<i>Oxalis stricta</i>	<i>Pinguicula lusitanica</i>
<i>Oxybasis rubra</i>	<i>Pinguicula vulgaris</i>
<i>Paeonia mascula</i>	<i>Pinus contorta</i>
<i>Panicum miliaceum</i>	<i>Pinus nigra</i> ssp. <i>laricio</i>
<i>Papaver cambricum</i>	<i>Pinus nigra</i> ssp. <i>nigra</i>
<i>Papaver dubium</i>	<i>Pinus pinaster</i>
<i>Papaver lecoqii</i>	<i>Pinus sylvestris</i>
<i>Papaver orientale</i>	<i>Plantago coronopus</i>
<i>Papaver rhoeas</i>	<i>Plantago lanceolata</i>
<i>Papaver somniferum</i>	<i>Plantago major</i> ssp. <i>intermedia</i>
<i>Parapholis strigosa</i>	<i>Plantago major</i> ssp. <i>major</i>
<i>Parentucellia viscosa</i>	<i>Plantago maritima</i>
<i>Parietaria judaica</i>	<i>Plantago media</i>
<i>Parnassia palustris</i>	<i>Platanthera bifolia</i>
<i>Parthenocissus quinquefolia</i>	<i>Platanthera chlorantha</i>
<i>Pastinaca sativa</i>	<i>Pleiblastus humilis</i>
<i>Pedicularis palustris</i>	<i>Poa annua</i>
<i>Pedicularis sylvatica</i> ssp. <i>hibernica</i>	<i>Poa chaixii</i>
<i>Pedicularis sylvatica</i> ssp. <i>sylvatica</i>	<i>Poa compressa</i>
<i>Pentaglottis sempervirens</i>	<i>Poa humilis</i>
<i>Persicaria amphibia</i>	<i>Poa nemoralis</i>
<i>Persicaria hydropiper</i>	<i>Poa palustris</i>
<i>Persicaria lapathifolia</i>	<i>Poa pratensis</i>
<i>Persicaria maculosa</i>	<i>Poa trivialis</i>
<i>Persicaria minor</i>	<i>Polygala serpyllifolia</i>
<i>Persicaria mitis</i>	<i>Polygala vulgaris</i>
<i>Petasites albus</i>	<i>Polygonatum multiflorum</i>
<i>Petasites hybridus</i>	<i>Polygonatum multiflorum</i> x <i>odoratum</i> (<i>P.</i> x <i>hybridum</i>)
<i>Petasites japonicus</i>	<i>Polygonum arenastrum</i>
<i>Petasites pyrenaicus</i>	<i>Polygonum aviculare</i>
<i>Petrosedum forsterianum</i>	<i>Polygonum oxyspermum</i>
<i>Petrosedum rupestre</i>	<i>Polypodium cambricum</i>
<i>Petroselinum crispum</i>	<i>Polypodium cambricum</i> x <i>interjectum</i> (<i>P.</i> x <i>shivasiae</i>)
<i>Phacelia tanacetifolia</i>	<i>Polypodium cambricum</i> x <i>vulgare</i> (<i>P.</i> x <i>font-queri</i>)
<i>Phalaris arundinacea</i>	<i>Polypodium interjectum</i>
<i>Phalaris canariensis</i>	<i>Polypodium interjectum</i> x <i>vulgare</i> (<i>P.</i> x <i>mantoniae</i>)
<i>Phalaris paradoxa</i>	<i>Polypodium vulgare</i>
<i>Phedimus spurius</i>	<i>Polypogon monspeliensis</i>
<i>Phegopteris connectilis</i>	<i>Polypogon viridis</i>
<i>Philadelphus coronarius</i>	<i>Polystichum aculeatum</i>
<i>Phleum arenarium</i>	<i>Polystichum aculeatum</i> x <i>setiferum</i> (<i>P.</i> x <i>bicknellii</i>)
<i>Phleum bertolonii</i>	<i>Polystichum setiferum</i>
<i>Phleum pratense</i>	<i>Populus alba</i>
<i>Phormium tenax</i>	<i>Populus alba</i> x <i>tremula</i> (<i>P.</i> x <i>canescens</i>)
<i>Phragmites australis</i>	<i>Populus deltoides</i> x <i>nigra</i> (<i>P.</i> x <i>canadensis</i>)
<i>Phuopsis stylosa</i>	<i>Populus laurifolia</i> x <i>nigra</i> ' <i>Italica</i> ' (<i>P.</i> x <i>berolinensis</i>)
<i>Picea abies</i>	
<i>Picea omorika</i>	

<i>Populus nigra</i>	<i>Pseudotsuga menziesii</i>
<i>Populus nigra</i> 'Italica'	<i>Pteridium aquilinum</i>
<i>Populus nigra</i> ssp. <i>betulifolia</i>	<i>Puccinellia distans</i>
<i>Populus tremula</i>	<i>Puccinellia distans</i> ssp. <i>distans</i>
<i>Populus trichocarpa</i>	<i>Puccinellia maritima</i>
<i>Potamogeton alpinus</i>	<i>Pulicaria dysenterica</i>
<i>Potamogeton berchtoldii</i>	<i>Pulmonaria officinalis</i>
<i>Potamogeton coloratus</i>	<i>Pyrola media</i>
<i>Potamogeton crispus</i>	<i>Pyrola minor</i>
<i>Potamogeton friesii</i>	<i>Pyrus communis</i>
<i>Potamogeton gramineus</i>	<i>Quercus cerris</i>
<i>Potamogeton gramineus</i> x <i>perfoliatus</i> (<i>P.</i> x <i>nitens</i>)	<i>Quercus ilex</i>
<i>Potamogeton lucens</i>	<i>Quercus petraea</i>
<i>Potamogeton lucens</i> x <i>gramineus</i>	<i>Quercus petraea</i> x <i>robur</i> (<i>Q.</i> x <i>rosacea</i>)
(<i>P.</i> x <i>angustifolius</i>)	<i>Quercus robur</i>
<i>Potamogeton natans</i>	<i>Quercus rubra</i>
<i>Potamogeton natans</i> x <i>berchtoldii</i> (<i>P.</i> x <i>variifolius</i>)	<i>Ranunculus acris</i>
<i>Potamogeton natans</i> x <i>gramineus</i>	<i>Ranunculus aquatilis</i>
(<i>P.</i> x <i>sparganifolius</i>)	<i>Ranunculus auricomus</i>
<i>Potamogeton obtusifolius</i>	<i>Ranunculus baudotii</i>
<i>Potamogeton perfoliatus</i>	<i>Ranunculus bulbosus</i>
<i>Potamogeton perfoliatus</i> x <i>crispus</i> (<i>P.</i> x <i>cooperi</i>)	<i>Ranunculus circinatus</i>
<i>Potamogeton polygonifolius</i>	<i>Ranunculus flammula</i>
<i>Potamogeton praelongus</i>	<i>Ranunculus flammula</i> ssp. <i>flammula</i>
<i>Potamogeton praelongus</i> x <i>crispus</i> (<i>P.</i> x <i>undulatus</i>)	<i>Ranunculus flammula</i> x <i>reptans</i> (<i>R.</i> x <i>levenensis</i>)
<i>Potamogeton pusillus</i>	<i>Ranunculus hederaceus</i>
<i>Potentilla anglica</i>	<i>Ranunculus lingua</i>
<i>Potentilla anglica</i> x <i>erecta</i> (<i>P.</i> x <i>suberecta</i>)	<i>Ranunculus peltatus</i>
<i>Potentilla anglica</i> x <i>reptans</i> (<i>P.</i> x <i>mixta</i>)	<i>Ranunculus penicillatus</i>
<i>Potentilla anserina</i>	<i>Ranunculus penicillatus</i> ssp. <i>penicillatus</i>
<i>Potentilla argentea</i>	<i>Ranunculus repens</i>
<i>Potentilla erecta</i> ssp. <i>erecta</i>	<i>Ranunculus sceleratus</i>
<i>Potentilla erecta</i> ssp. <i>strictissima</i>	<i>Ranunculus trichophyllus</i>
<i>Potentilla norvegica</i>	<i>Raphanus raphanistrum</i>
<i>Potentilla reptans</i>	<i>Raphanus raphanistrum</i> ssp. <i>maritimus</i>
<i>Potentilla sterilis</i>	<i>Raphanus raphanistrum</i> x <i>sativus</i>
<i>Poterium sanguisorba</i> ssp. <i>balearicum</i>	(<i>R.</i> x <i>micranthus</i>)
<i>Poterium sanguisorba</i> ssp. <i>sanguisorba</i>	<i>Raphanus sativus</i>
<i>Primula elatior</i>	<i>Reseda lutea</i>
<i>Primula elatior</i> x <i>vulgaris</i> (<i>P.</i> x <i>digenea</i>)	<i>Reseda luteola</i>
<i>Primula veris</i>	<i>Reynoutria japonica</i>
<i>Primula veris</i> x <i>vulgaris</i> (<i>P.</i> x <i>polyantha</i>)	<i>Reynoutria japonica</i> x <i>sachalinensis</i>
<i>Primula vulgaris</i>	(<i>R.</i> x <i>bohémica</i>)
<i>Prunella vulgaris</i>	<i>Reynoutria sachalinensis</i>
<i>Prunus avium</i>	<i>Rhamnus cathartica</i>
<i>Prunus cerasus</i>	<i>Rheum</i> x <i>hybridum</i> (<i>R.</i> <i>palmatum</i> x <i>rhaponticum</i>)
<i>Prunus domestica</i>	<i>Rhinanthus minor</i>
<i>Prunus domestica</i> ssp. <i>insititia</i>	<i>Rhinanthus minor</i> ssp. <i>stenophyllus</i>
<i>Prunus laurocerasus</i>	<i>Rhodiola rosea</i>
<i>Prunus lusitanica</i>	<i>Rhododendron arboreum</i>
<i>Prunus padus</i>	<i>Rhododendron luteum</i>
<i>Prunus serrulata</i>	<i>Rhododendron ponticum</i>
<i>Prunus spinosa</i>	<i>Rhus typhina</i>
<i>Pseudofumaria lutea</i>	<i>Rhynchospora alba</i>
<i>Pseudorchis albida</i>	<i>Ribes nigrum</i>
<i>Pseudosasa japonica</i>	<i>Ribes rubrum</i>

<i>Ribes sanguineum</i>	<i>Rubus tricolor</i>
<i>Ribes uva-crispa</i>	<i>Rubus ulmifolius</i>
<i>Roemeria argemone</i>	<i>Rubus wirralensis</i>
<i>Roemeria hispida</i>	<i>Rumex acetosa</i>
<i>Rorippa amphibia</i>	<i>Rumex acetosella</i>
<i>Rorippa islandica</i>	<i>Rumex acetosella</i> ssp. <i>acetosella</i>
<i>Rorippa palustris</i>	<i>Rumex conglomeratus</i>
<i>Rorippa sylvestris</i>	<i>Rumex crispus</i>
<i>Rosa agrestis</i>	<i>Rumex crispus</i> ssp. <i>crispus</i>
<i>Rosa arvensis</i>	<i>Rumex crispus</i> ssp. <i>littoreus</i>
<i>Rosa caesia</i>	<i>Rumex crispus</i> x <i>hydrolapathum</i> (R. x <i>schreberi</i>)
<i>Rosa caesia</i> x <i>canina</i> (R. x <i>subcollina</i>)	<i>Rumex crispus</i> x <i>obtusifolius</i> (R. x <i>pratensis</i>)
<i>Rosa canina</i>	<i>Rumex hydrolapathum</i>
<i>Rosa canina</i> x <i>rubiginosa</i> (R. x <i>nitidula</i>)	<i>Rumex obtusifolius</i>
<i>Rosa canina</i> x <i>sherardii</i> (R. x <i>rothschildii</i>)	<i>Rumex sanguineus</i>
<i>Rosa canina</i> x <i>stylosa</i> (R. x <i>andegavensis</i>)	<i>Rumex sanguineus</i> var. <i>sanguineus</i>
<i>Rosa canina</i> x <i>vosagiaca</i> (R. x <i>subcanina</i>)	<i>Rumex sanguineus</i> var. <i>viridis</i>
<i>Rosa corymbifera</i>	<i>Ruppia maritima</i>
<i>Rosa corymbifera</i> x <i>spinosissima</i> (R. x <i>hibernica</i>)	<i>Ruppia spiralis</i>
<i>Rosa mollis</i>	<i>Ruscus aculeatus</i>
<i>Rosa mollis</i> x <i>sherardii</i> (R. x <i>perthensis</i>)	<i>Sabulina verna</i>
<i>Rosa multiflora</i>	<i>Sagina apetala</i>
<i>Rosa rubiginosa</i>	<i>Sagina filicaulis</i>
<i>Rosa rubiginosa</i> x <i>sherardii</i> (R. x <i>suberecta</i>)	<i>Sagina maritima</i>
<i>Rosa rugosa</i>	<i>Sagina nodosa</i>
<i>Rosa sherardii</i>	<i>Sagina procumbens</i>
<i>Rosa spinosissima</i>	<i>Sagittaria sagittifolia</i>
<i>Rosa squarrosa</i>	<i>Salicornia disarticulata</i>
<i>Rosa vosagiaca</i>	<i>Salicornia dolichostachya</i>
<i>Rubus adenanthoides</i>	<i>Salicornia emerici</i>
<i>Rubus adscitus</i>	<i>Salicornia europaea</i>
<i>Rubus anisacanthos</i>	<i>Salicornia europaea</i> agg.
<i>Rubus caesius</i>	<i>Salicornia fragilis</i>
<i>Rubus conjugens</i>	<i>Salicornia procumbens</i> agg.
<i>Rubus dentatifolius</i>	<i>Salicornia ramosissima</i>
<i>Rubus dunensis</i>	<i>Salix alba</i>
<i>Rubus fissus</i>	<i>Salix alba</i> x <i>euxina</i> (S. x <i>fragilis</i>)
<i>Rubus hesperius</i>	<i>Salix aurita</i>
<i>Rubus hibernicus</i>	<i>Salix aurita</i> x <i>caprea</i> (S. x <i>capreola</i>)
<i>Rubus idaeus</i>	<i>Salix aurita</i> x <i>caprea</i> x <i>viminialis</i> (S. x <i>stipularis</i>)
<i>Rubus lanaticaulis</i>	<i>Salix aurita</i> x <i>cinerea</i> (S. x <i>multinervis</i>)
<i>Rubus latifolius</i>	<i>Salix aurita</i> x <i>viminialis</i> (S. x <i>fruticosa</i>)
<i>Rubus lindleianus</i>	<i>Salix caprea</i>
<i>Rubus moylei</i>	<i>Salix caprea</i> ssp. <i>caprea</i>
<i>Rubus nessensis</i>	<i>Salix caprea</i> x <i>cinerea</i> (S. x <i>reichardtii</i>)
<i>Rubus pistoris</i>	<i>Salix caprea</i> x <i>cinerea</i> x <i>viminialis</i> (S. x <i>calodendron</i>)
<i>Rubus plicatus</i>	<i>Salix caprea</i> x <i>viminialis</i> (S. x <i>sericans</i>)
<i>Rubus radula</i>	<i>Salix cinerea</i> ssp. <i>cinerea</i>
<i>Rubus raduloides</i>	<i>Salix cinerea</i> ssp. <i>oleifolia</i>
<i>Rubus rhombifolius</i>	<i>Salix caprea</i> x <i>viminialis</i> (S. x <i>smithiana</i>)
<i>Rubus rubristylus</i>	<i>Salix elaeagnos</i>
<i>Rubus saxatilis</i>	<i>Salix euxina</i>
<i>Rubus scissus</i>	<i>Salix alba</i> x <i>euxina</i> x <i>pentandra</i> (S. x <i>meyeriana</i>)
<i>Rubus scoticus</i>	<i>Salix herbacea</i>
<i>Rubus spectabilis</i>	<i>Salix myrsinifolia</i>

<i>Salix pentandra</i>	<i>Senecio vulgaris</i>
<i>Salix purpurea</i>	<i>Senecio vulgaris</i> ssp. <i>vulgaris</i>
<i>Salix purpurea</i> x <i>viminalis</i> (S. x <i>rubra</i>)	<i>Sequoia sempervirens</i>
<i>Salix repens</i>	<i>Sequoiadendron giganteum</i>
<i>Salix triandra</i>	<i>Setaria italica</i>
<i>Salix triandra</i> x <i>viminalis</i> (S. x <i>mollissima</i>)	<i>Setaria pumila</i>
<i>Salix viminalis</i>	<i>Setaria viridis</i>
<i>Salsola kali</i>	<i>Sherardia arvensis</i>
<i>Salsola tragus</i>	<i>Sibthorpia europaea</i>
<i>Sambucus ebulus</i>	<i>Silaum silaus</i>
<i>Sambucus nigra</i>	<i>Silene dichotoma</i>
<i>Sambucus racemosa</i>	<i>Silene dioica</i>
<i>Samolus valerandi</i>	<i>Silene dioica</i> x <i>latifolia</i> (S. x <i>hampeana</i>)
<i>Sanguisorba officinalis</i>	<i>Silene flos-cuculi</i>
<i>Sanicula europaea</i>	<i>Silene gallica</i>
<i>Santolina chamaecyparissus</i>	<i>Silene latifolia</i>
<i>Saponaria officinalis</i>	<i>Silene latifolia</i> ssp. <i>alba</i>
<i>Sasa palmata</i>	<i>Silene noctiflora</i>
<i>Saussurea alpina</i>	<i>Silene uniflora</i>
<i>Saxifraga cymbalaria</i>	<i>Silene vulgaris</i>
<i>Saxifraga granulata</i>	<i>Silene vulgaris</i> ssp. <i>vulgaris</i>
<i>Saxifraga hirsuta</i>	<i>Silybum marianum</i>
<i>Saxifraga spathularis</i> x <i>umbrosa</i> (S. x <i>urbium</i>)	<i>Sinapis alba</i>
<i>Saxifraga tridactylites</i>	<i>Sinapis arvensis</i>
<i>Saxifraga umbrosa</i>	<i>Sisymbrium altissimum</i>
<i>Scandix pecten-veneris</i>	<i>Sisymbrium irio</i>
<i>Schedonorus arundinaceus</i>	<i>Sisymbrium officinale</i>
<i>Schedonorus giganteus</i>	<i>Sisymbrium orientale</i>
<i>Schedonorus pratensis</i>	<i>Sisyrinchium bermudiana</i>
<i>Schedonorus pratensis</i> x <i>Lolium perenne</i> (x <i>Schedolium loliaceum</i>)	<i>Sisyrinchium californicum</i>
<i>Schoenoplectus lacustris</i>	<i>Solanum dulcamara</i>
<i>Schoenoplectus tabernaemontani</i>	<i>Solanum lycopersicum</i>
<i>Schoenus nigricans</i>	<i>Solanum nigrum</i>
<i>Scilla messeniaca</i>	<i>Solanum tuberosum</i>
<i>Scilla verna</i>	<i>Soleirolia soleirolii</i>
<i>Scirpus sylvaticus</i>	<i>Solidago canadensis</i>
<i>Scleranthus annuus</i>	<i>Solidago virgaurea</i>
<i>Scorzoneroideis autumnalis</i>	<i>Sonchus arvensis</i>
<i>Scorzoneroideis autumnalis</i> var. <i>pratensis</i>	<i>Sonchus asper</i>
<i>Scrophularia auriculata</i>	<i>Sonchus oleraceus</i>
<i>Scrophularia nodosa</i>	<i>Sorbus aria</i>
<i>Scutellaria galericulata</i>	<i>Sorbus aria</i> agg.
<i>Sedum acre</i>	<i>Sorbus aucuparia</i>
<i>Sedum album</i>	<i>Sorbus devoniensis</i>
<i>Sedum anglicum</i>	<i>Sorbus hibernica</i>
<i>Selaginella kraussiana</i>	<i>Sorbus intermedia</i>
<i>Selaginella selaginoides</i>	<i>Sorbus latifolia</i>
<i>Semiarundinaria fastuosa</i>	<i>Sorbus rupicola</i>
<i>Sempervivum tectorum</i>	<i>Sorbus torminalis</i>
<i>Senecio inaequidens</i>	<i>Sparganium angustifolium</i>
<i>Senecio sarracenicus</i>	<i>Sparganium emersum</i>
<i>Senecio squalidus</i>	<i>Sparganium erectum</i> ssp. <i>erectum</i>
<i>Senecio sylvaticus</i>	<i>Sparganium erectum</i> ssp. <i>microcarpum</i>
<i>Senecio viscosus</i>	<i>Sparganium erectum</i> ssp. <i>neglectum</i>
	<i>Sparganium erectum</i> ssp. <i>oocarpum</i>

<i>Sparganium natans</i>	<i>Taraxacum exsertiforme</i>
<i>Spartina anglica</i>	<i>Taraxacum exsertum</i>
<i>Spergula arvensis</i>	<i>Taraxacum faeroense</i>
<i>Spergularia marina</i>	<i>Taraxacum fulvicarpum</i>
<i>Spergularia media</i>	<i>Taraxacum gelertii</i>
<i>Spergularia rubra</i>	<i>Taraxacum inclinorum</i>
<i>Spergularia rupicola</i>	<i>Taraxacum interveniens</i>
<i>Spiraea douglasii</i> x <i>salicifolia</i>	<i>Taraxacum landmarkii</i>
(<i>S.</i> x <i>pseudosalicifolia</i>)	<i>Taraxacum latisectum</i>
<i>Spiraea salicifolia</i>	<i>Taraxacum lingulatum</i>
<i>Spiranthes romanoffiana</i>	<i>Taraxacum longisquameum</i>
<i>Spiranthes spiralis</i>	<i>Taraxacum maculosum</i>
<i>Spirodela polyrhiza</i>	<i>Taraxacum nordstedtii</i>
<i>Stachys arvensis</i>	<i>Taraxacum oxoniense</i>
<i>Stachys byzantina</i>	<i>Taraxacum pannucium</i>
<i>Stachys palustris</i>	<i>Taraxacum pannulatiforme</i>
<i>Stachys palustris</i> x <i>sylvatica</i> (<i>S.</i> x <i>ambigua</i>)	<i>Taraxacum piceatum</i>
<i>Stachys sylvatica</i>	<i>Taraxacum polyodon</i>
<i>Stellaria alsine</i>	<i>Taraxacum procerisquameum</i>
<i>Stellaria graminea</i>	<i>Taraxacum pseudohamatum</i>
<i>Stellaria holostea</i>	<i>Taraxacum scotiniforme</i>
<i>Stellaria media</i>	<i>Taraxacum sellandii</i>
<i>Stellaria pallida</i>	<i>Taraxacum stenacrum</i>
<i>Stellaria palustris</i>	<i>Taraxacum stictophyllum</i>
<i>Stuckenia filiformis</i>	<i>Taraxacum unguilobum</i>
<i>Stuckenia pectinata</i>	<i>Taraxacum xanthostigma</i>
<i>Suaeda maritima</i>	<i>Taxus baccata</i>
<i>Subularia aquatica</i>	<i>Taxus baccata</i> 'Fastigiata'
<i>Succisa pratensis</i>	<i>Teesdalia nudicaulis</i>
<i>Symphoricarpos albus</i>	<i>Tellima grandiflora</i>
<i>Symphoricarpos microphyllus</i> x <i>orbiculatus</i>	<i>Teucrium scorodonia</i>
(<i>S.</i> x <i>chenaultii</i>)	<i>Thalictrum alpinum</i>
<i>Symphyotrichum novi-belgii</i>	<i>Thalictrum flavum</i>
<i>Symphyotrichum novi-belgii</i> x <i>lanceolatum</i>	<i>Thalictrum minus</i> ssp. <i>arenarium</i>
(<i>A.</i> x <i>salignum</i>)	<i>Thalictrum minus</i> ssp. <i>minus</i>
<i>Symphytum asperum</i>	<i>Thlaspi alliaceum</i>
<i>Symphytum asperum</i> x <i>officinale</i> (<i>S.</i> x <i>uplandicum</i>)	<i>Thlaspi arvense</i>
<i>Symphytum officinale</i>	<i>Thuja plicata</i>
<i>Symphytum orientale</i>	<i>Thymus drucei</i>
<i>Symphytum tuberosum</i>	<i>Tilia cordata</i>
<i>Syringa vulgaris</i>	<i>Tilia cordata</i> x <i>platyphyllos</i> (<i>T.</i> x <i>europaea</i>)
<i>Tamus communis</i>	<i>Tilia platyphyllos</i>
<i>Tanacetum parthenium</i>	<i>Tilia</i> x <i>euchlora</i>
<i>Tanacetum vulgare</i>	<i>Tolmiea menziesii</i>
<i>Taraxacum alatum</i>	<i>Torilis japonica</i>
<i>Taraxacum brachyglossum</i>	<i>Torilis nodosa</i>
<i>Taraxacum bracteatum</i>	<i>Tragopogon porrifolius</i>
<i>Taraxacum cophocentrum</i>	<i>Tragopogon pratensis</i>
<i>Taraxacum cordatum</i>	<i>Tragopogon pratensis</i> ssp. <i>minor</i>
<i>Taraxacum croceiflorum</i>	<i>Trichophorum cespitosum</i>
<i>Taraxacum cyanolepis</i>	<i>Trichophorum germanicum</i>
<i>Taraxacum dahlstedtii</i>	<i>Trifolium arvense</i>
<i>Taraxacum dilatatum</i>	<i>Trifolium campestre</i>
<i>Taraxacum duplidentifrons</i>	<i>Trifolium dubium</i>
<i>Taraxacum ekmanii</i>	<i>Trifolium hybridum</i>
<i>Taraxacum expallidiforme</i>	<i>Trifolium hybridum</i> ssp. <i>hybridum</i>

<i>Trifolium incarnatum</i> ssp. <i>incarnatum</i>	<i>Veronica arvensis</i>
<i>Trifolium medium</i>	<i>Veronica beccabunga</i>
<i>Trifolium micranthum</i>	<i>Veronica catenata</i>
<i>Trifolium ornithopodioides</i>	<i>Veronica chamaedrys</i>
<i>Trifolium pratense</i>	<i>Veronica elliptica</i> x <i>speciosa</i> (<i>V.</i> x <i>franciscana</i>)
<i>Trifolium repens</i>	<i>Veronica</i> x <i>franciscana</i> 'Blue Gem'
<i>Trifolium striatum</i>	<i>Veronica</i> x <i>lewisii</i>
<i>Triglochin maritimum</i>	<i>Veronica filiformis</i>
<i>Triglochin palustre</i>	<i>Veronica hederifolia</i>
<i>Tripleurospermum inodorum</i>	<i>Veronica hederifolia</i> ssp. <i>hederifolia</i>
<i>Tripleurospermum maritimum</i>	<i>Veronica hederifolia</i> ssp. <i>lucorum</i>
<i>Tripolium pannonicum</i>	<i>Veronica montana</i>
<i>Trisetum flavescens</i>	<i>Veronica officinalis</i>
x <i>Triticosecale rimpau</i>	<i>Veronica peregrina</i>
<i>Triticum aestivum</i>	<i>Veronica persica</i>
<i>Tropaeolum majus</i>	<i>Veronica salicifolia</i>
<i>Tropaeolum speciosum</i>	<i>Veronica scutellata</i>
<i>Tsuga heterophylla</i>	<i>Veronica serpyllifolia</i>
<i>Turgenia latifolia</i>	<i>Veronica serpyllifolia</i> ssp. <i>serpyllifolia</i>
<i>Tussilago farfara</i>	<i>Veronica spicata</i>
<i>Typha angustifolia</i>	<i>Viburnum opulus</i>
<i>Typha latifolia</i>	<i>Vicia cracca</i>
<i>Ulex europaeus</i>	<i>Vicia lathyroides</i>
<i>Ulex europaeus</i> x <i>gallii</i>	<i>Vicia sativa</i> ssp. <i>nigra</i>
<i>Ulex gallii</i>	<i>Vicia sativa</i> ssp. <i>sativa</i>
<i>Ulex minor</i>	<i>Vicia sativa</i> ssp. <i>segetalis</i>
<i>Ulmus glabra</i>	<i>Vicia sepium</i>
<i>Ulmus glabra</i> ssp. <i>montana</i>	<i>Vicia villosa</i>
<i>Ulmus glabra</i> x <i>minor</i> (<i>U.</i> x <i>vegeta</i>)	<i>Vinca major</i>
<i>Ulmus glabra</i> x <i>minor</i> x <i>plotii</i> (<i>U.</i> x <i>hollandica</i>)	<i>Vinca minor</i>
<i>Ulmus minor</i>	<i>Viola arvensis</i>
<i>Ulmus procera</i>	<i>Viola canina</i>
<i>Umbilicus rupestris</i>	<i>Viola hirta</i>
<i>Urtica dioica</i>	<i>Viola odorata</i>
<i>Urtica dioica</i> subsp. <i>dioica</i>	<i>Viola palustris</i>
<i>Urtica dioica</i> subsp. <i>galeopsifolia</i>	<i>Viola palustris</i> ssp. <i>palustris</i>
<i>Urtica pilulifera</i>	<i>Viola reichenbachiana</i>
<i>Urtica urens</i>	<i>Viola riviniana</i>
<i>Utricularia australis</i>	<i>Viola riviniana</i> ssp. <i>minor</i>
<i>Utricularia intermedia</i> s.l.	<i>Viola tricolor</i> ssp. <i>curtisii</i>
<i>Utricularia minor</i>	<i>Viola tricolor</i> ssp. <i>tricolor</i>
<i>Utricularia vulgaris</i>	<i>Viola</i> x <i>bavarica</i> (<i>V.</i> <i>riviniana</i> x <i>reichenbachiana</i>)
<i>Vaccinium myrtillus</i>	<i>Viola</i> x <i>wittrockiana</i>
<i>Vaccinium oxycoccos</i>	<i>Viscum album</i>
<i>Vaccinium vitis-idaea</i>	<i>Vitis coignetiae</i>
<i>Valeriana officinalis</i>	<i>Vulpia bromoides</i>
<i>Valerianella carinata</i>	<i>Vulpia fasciculata</i>
<i>Valerianella locusta</i>	<i>Vulpia myuros</i>
<i>Valerianella rimosa</i>	<i>Wahlenbergia hederacea</i>
<i>Verbascum thapsus</i>	<i>Xanthium strumarium</i>
<i>Verbascum virgatum</i>	<i>Zannichellia palustris</i>
<i>Verbena officinalis</i>	<i>Zantedeschia aethiopica</i>
<i>Veronica agrestis</i>	<i>Zostera marina</i>
<i>Veronica anagallis-aquatica</i>	<i>Zostera noltei</i>

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Cress, Rosy	233	<i>dortmanna</i> , <i>Lobelia</i>	142
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<i>Cruciata laevipes</i>	116	<i>intermedia</i>	99
<i>cruenta</i> , <i>Dactylorhiza incarnata</i> ssp.	200	DROSERACEAE	99
<i>Cryptogramma crispa</i>	6,8,21	<i>Dryas octopetala</i>	6,8
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Cudweed, Heath	168	<i>dryopteris</i> , <i>Gymnocarpium</i>	6,21
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<i>Dactylorhiza</i>		Dwarf Mallow	88
<i>incarnata</i> ssp. <i>coccinea</i>	199	Dwarf Spurge	77
<i>incarnata</i> ssp. <i>cruenta</i>	200	Dwarf Willow	74
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<i>incarnata</i> ssp. <i>pulchella</i>	201	Early Marsh-orchid	201
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<i>lapponica</i>	6	<i>echinospora</i> , <i>Isoetes</i>	8
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<i>mezereum</i>	89	<i>hydropiper</i>	71
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Dead-nettle, Northern	136	<i>elongata</i> , <i>Carex</i>	8
Dead-nettle, White	134	<i>Elymus</i>	
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<i>erectum</i> ssp. <i>oocarpum</i> , <i>Sparganium</i>	211	<i>germanica</i>	8,165
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<i>arvensis</i>	63	<i>herbacea</i>	8,74
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<i>vulgaris</i> , <i>Aquilegia</i>	34	<i>x hibernica</i> , <i>Rosa</i>	64
<i>vulgaris</i> , <i>Berberis</i>	32	<i>x hybrida</i> , <i>Anemone</i>	32
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