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

Graham Day & Paul Hackney

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2008

These records have been selected from the database held by the Centre for Environmental Data and Recording at the Ulster Museum. The database comprises all known county Down records.

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.

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PREFACE

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 the British Isles 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

INTRODUCTION

This register has been produced as part of a national Botanical Society of the British Isles (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 (Curtis & McGough 1988; Wigginton 1999).
- Listed in Schedule 8 of the Wildlife (Northern Ireland) Order 1985 or the Flora Protection Order 1987 (Republic of Ireland).
- Listed as Northern Ireland Priority Species or Northern Ireland Species of Conservation Concern.
- 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. Fifty-six species, listed in Schedule 8, parts 1 and 2, (Table 1 below) are given special protection.

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 March 2004, the list of Northern Ireland Priority Species and Northern Ireland Species of Conservation Concern, was published by Environment & Heritage Service on their web site at **www.ehsni.gov.uk/natural/biodiversity/priority_species.shtml.** The criteria for inclusion on this list are detailed on this web site.

Species that are listed under the Flora Protection Order, 1987 (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).

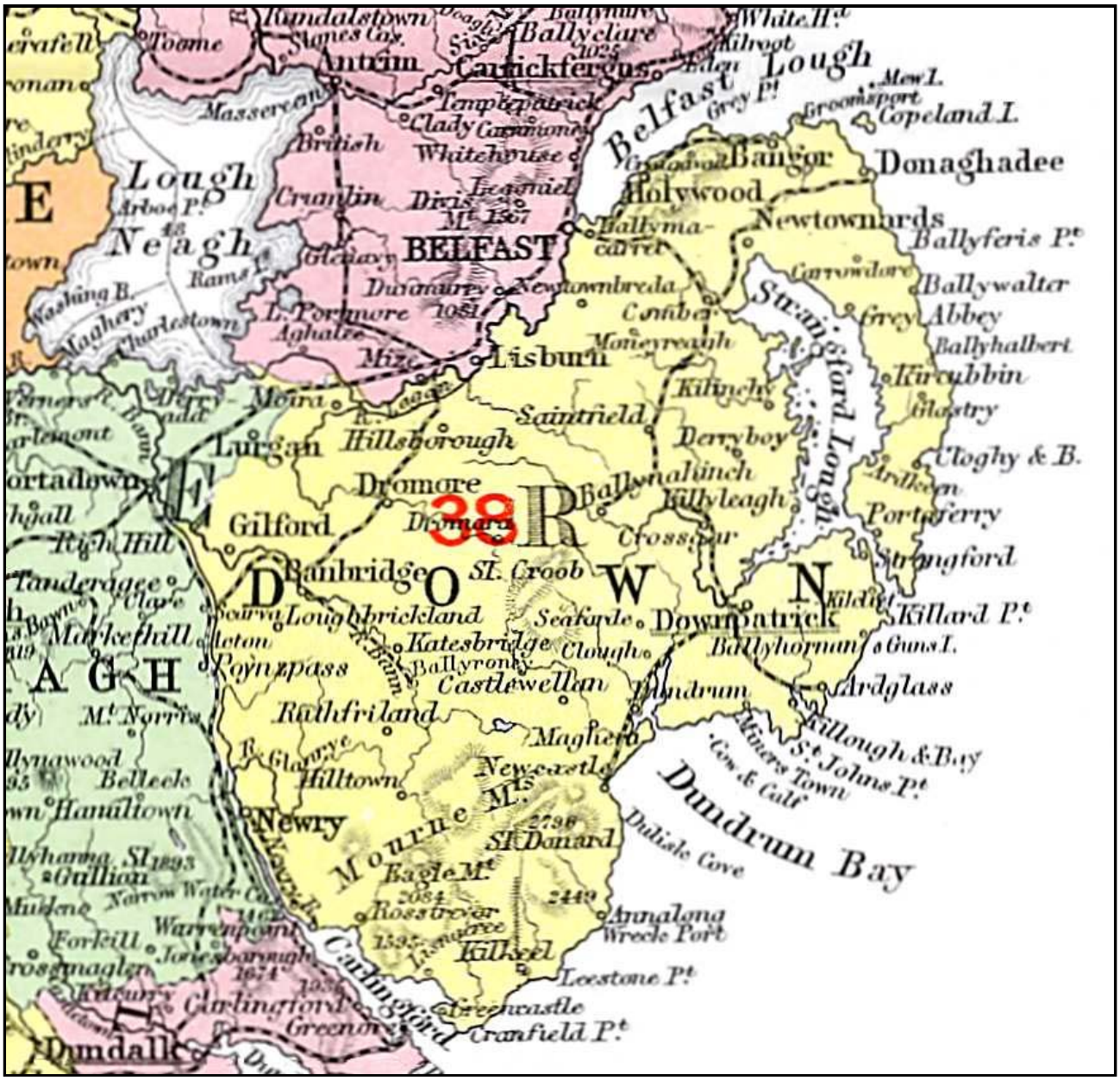

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DOWN
Belfast Lough
Belfast
Lough Neagh
Antrim
Carrickfergus
Donaghadee
Bangor
Holywood
Newtownards
Lisburn
Saintfield
Hillsborough
Dromore
Gilford
Banbridge
Downpatrick
Strangford Lough
Dundrum Bay
Newry
Mourne Mts
Castlewellan
Ballynahinch
Killyleagh
Crossgar
Seaford
Clough
Ardglass
Killough
Maghera
Newcastle
Kilkeel
Annalong
Warrenpoint
Rostrevor
Greenwastle
Cranfield Pt.
Dundalk
Ballyclare
Templepatrick
Whitehouse
Ballyferis Pt.
Ballywalter
Abbey
Kircubbin
Portaferry
Strangford
Killard Pt.
Ardglass
St. Johns Pt.
Dundrum Bay
Leestone Pt.
Lough Brickland
Katesbridge
Ballyroney
Ballyhornan
Greyabbey
Ballyhalbert
Cloghy & B.
Ardkeen
Ballymacarrett
Newtownbreda
Comber
Moneyreagh
Kilinchy
Derryboy
Killyleagh
Ballyhornan
Tullymurry
Drumaness
Ballynahinch
Ballymaconaghy
Ballymaconaghy
Ballymaconaghy

Table 1. Plants listed in the Wildlife Order (N.I.) 1985, Schedule 8, part 1

Adoxa moschatellina	*Ajuga pyramidalis*	***Andromeda polifolia***	***Calamagrostis stricta***
Carex magellanica	***Carex pauciflora***	*Centaurium littorale*	*Cirsium heterophyllum*
Dactylorhiza traunsteineri	***Epipactis palustris***	*Epipactis phyllanthes*	***Hammarbya paludosa***
Dryas octopetala	***Elatine hydropiper***	*Eleocharis parvula*	***Erica vagans***
Erigeron acer	***Frangula alnus***	***Geranium sylvaticum***	***Gymnocarpium dryopteris***
Hierochloe odorata	*Hordelymus europaeus*	***Hottonia palustris***	*Hypochaeris glabra*
Lathyrus palustris	*Limonium binervosum*	*Limosella aquatica*	*Lycopodiella inundata*
Melampyrum sylvaticum	*Mentha pulegium*	***Mertensia maritima***	*Monotropa hypopitys*
Neottia nidus-avis	*Orobanche hederae*	*Pilularia globulifera*	*Polystichum lonchitis*
Ophrys apifera	***Pseudorchis albida***	***Spiranthes romanzoffiana***	***Orchis morio***
Primula veris	*Orthilia secunda*	*Ranunculus fluitans*	*Rubus chamaemorus*
Saussurea alpina	*Saxifraga aizoides*	*Saxifraga hirculus*	*Saxifraga oppositifolia*
Silene acaulis	***Sisyrinchium bermudiana***	*Stachys officinalis*	***Teesdalia nudicaulis***
Trichomanes speciosum	*Trollius europaeus*	*Viola persicifolia*	***Primula vulgaris*** *

* *Primula vulgaris* is listed in Schedule 8, part 2 and may be picked but not uprooted.

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

Table 2. UK Priority plant species in Northern Ireland

Cochlearia officinalis* ssp. *scotica
Fumaria purpurea
Juniperus communis
Lycopodiella inundata
Melampyrum sylvaticum
Mentha pulegium
Saxifraga hirculus
Sium latifolium
Spiranthes romanzoffiana
Trichomanes speciosum

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

THE SPECIES ACCOUNTS

Each species chosen is listed according to the following format:

Species Author	**Euro**pean category	**N.I.** category
Common name	**Ir**ish Red Data Book category	**Brit**ish Red Data Book category
	Local criterion	**Last seen**: year

Species account (text)

Location	Grid Ref.	Date	Recorder
Species records listed *reference (if relevant)*			

Species are listed in taxonomic order. The Latin and English names of vascular plants used are those in the *Field Flora of the British Isles* (Stace 1999). Non-native species may be classified as archaeophyte or neophyte, dependent on their introduction pre- or post- 1500AD.

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)
FPO Flora Protection Order 1987 (Republic of Ireland)
WCA Wildlife & Countryside Act 1981 (Great Britain)

Those species appearing in the Irish Red Data Book for Vascular Plants (Curtis & McGough 1988) or British Red Data Book for Vascular Plants (Wigginton 1999) are also listed. These categories include some species that occur in more than 10 sites in the county.

Irish Red Data Book categories (Curtis & McGough 1988 pp. 16-17, 20-32 for criteria)

RDB Not Threatened
RDB Rare
RDB Vulnerable
RDB Endangered
RDB Extinct
RDB Indeterminate

British Red Data Books categories used (Wigginton 1999 pp. 10-13 for criteria)

RDB Nationally Scarce
RDB Near Threatened
RDB Endangered
RDB Extinct in Wild

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.

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, Ulster Museum, Museums & Galleries of Northern Ireland
BNFC	Belfast Naturalists' Field Club
BSBI	Botanical Society of the British Isles
EHS	Environment & Heritage Service (Department of the Environment, Northern Ireland)
GPS	Global Positioning System
N.I.	Northern Ireland
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:

Mr. Graham Day
Cherry Cottage, 11 Ballyhaft Road, Newtownards, Co. Down BT22 2AW

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

LYCOPODIOPSIDA

Lycopodium clavatum Linnaeus
Stag's-horn Clubmoss

Euro.: **EC Habitats Directive** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2007**
N.I. Species of Conservation Concern March 2004

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 over-grazing and is vulnerable to further losses.

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
Spelga Mountain, Mourne Mountains	J25782831	01 Apr 2007	G.V. Day
	J26872845	01 Apr 2007	G.V. Day
	J27002854	01 Apr 2007	G.V. Day
	J27272866	01 Apr 2007	G.V. Day
Slieve Muck, Mourne Mountains	J2824	1965	J.E. Greer
	J2825	1965	J. Groves
Butter Mountain, Mourne Mountains	J284288	16 Jul 1991	S. Gallagher
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

Isoetes lacustris Linnaeus
Quillwort

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

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 is 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
Castlewellan Lake, Castlewellan Forest Park	J325368	22 Aug 1990	N.I. Lake Survey
Ballylough (Annsborough) Lake - fragments washed up on shore	J3637	1883	S.A. Stewart
Carryduff	J36	Jun 1989	N.I. Lake Survey

EQUISETOPSIDA

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

Mackay's Horsetail

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

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
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
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** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2004**

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
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

Equisetum pratense Ehrh.
Shady Horsetail

Euro.: **not listed** N.I.: **not listed**
Brit.: **not listed** Ir.: **RDB Rare**
Local: **1** Last seen: **1991**

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
in the basaltic region just north of Gilford - by a stream immediately below Newmills	J067516	29 May 1991	J. Harron
Tollymore Forest Park - damp shady places	J3432	1865	S.A. Bennett

PTEROPSIDA

Ophioglossum vulgatum Linnaeus
Adder's- tongue

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2005**

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

Location	Grid Ref.	Date	Recorder
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
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
Clandeboye Demesne	J47	pre-1894	R.Ll. Praeger
Quoile Pondage Basin NNR	J500478	20 Jun 1991	Habitat Survey Team, EHS
	J498487	24 Sep 1991	W.E. Harrison & J. Harron
	J5047	Jun 2004	Habitat Survey Team, EHS
Greyabbey - meadows nearby	J56	1864	BNFC
Killinchy	J5060	unknown	J. Wilson
South Island, Strangford Lough	J56696667	07 Jun 2002	G.V. Day & J. Harron
between Kircubbin and Horse Island, Strangford Lough	J5962	1985	R.J. Bleakley
Mount Stewart Estate (National Trust)	J57	1877	BNFC
Benderg Bay	J600429	06 Jun 1991	J. Harron & W.E. Harrison
Killard Point, Strangford Lough	J6143	26 May 1999	G.V. Day
	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
Kircubbin, Strangford Lough	J66	09 Dec 1985	Habitat Survey Team, EHS

Botrychium lunaria (Linnaeus) Swartz
Moonwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

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	J3827	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
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
Craigantlet	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

Cryptogramma crispa (Linnaeus) R. Br. ex Hooker

Parsley Fern

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **2** Last seen: **2002**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A scarce, small, inconspicuous, native, 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 between 364-517m. There have been only four sites recorded since 1955. Losses of this species may be for agricultural and climatic reasons. The county population of this species is probably secure in the Mournes, and while small, there may only be a low risk of further losses from impacts such as grazing.

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

Location	Grid Ref.	Date	Recorder
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 *Johnson 1927*	J3433	May 1927	R.E. Atkinson det. W.F. Johnson

Polypodium cambricum Linnaeus
Southern Polypody

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

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

Asplenium onopteris Linnaeus
Irish Spleenwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

A rare native perennial that is restricted to acidic rock. Records were made for *Asplenium trichomanes* at several unlocalised stations in the Mournes (Stewart & Corry 1888). Subspecies *trichomanes* has been found at two stations, beside a waterfall at Thomas's Mountain and under a rock outcrop on Slieve Muck. This species appears to be at low risk at these sites, as because of their position, they are not likely to be grazed by sheep. Irish records were omitted from the New Atlas of the British & Irish Flora (Preston *et al*. 2002).

Location	Grid Ref.	Date	Recorder
Slieve Muck, Mourne Mountains	J27392361	12 Sep 2002	G.V. Day & P. Hackney
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
Black Stairs, Thomas's Mountain, Mourne Mountains - 3 plants under wet overhang next to waterfall. 1 plant nearby on open outcrop	J36452922	05 Apr 2002	P. Hackney & G.V. Day

Asplenium marinum Linnaeus
Sea Spleenwort

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

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

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
	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
Donard Cove	J38682854	16 Apr 2004	G.V. Day & P. Hackney
	J38732831	16 Apr 2004	G.V. Day & P. Hackney
The Broad Cove, Ballaghanery Upper Td.	J3827	04 Aug 1998	P. Hackney
Newcastle	J3731	unknown	H. Hincks
	J3731	1881	S.A. Stewart
cliffs by shore south of Newcastle	J3731	1869	BNFC

Location	Grid Ref.	Date	Recorder
south of Newcastle town	J3731	1935-1937	R.Ll. Praeger
	J3731	1967	J. Harron
Killough Coastguard Station *Anon 1911*	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	J538351	2000	R.S. Weyl
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
north of Ardglass - a clump	J5537	1902	R.Ll. Praeger
Ardtole Old Church *Carrothers 1913*	J53	1912	BNFC
	J5638	1966-1967	J. Harron
Portavoe	J58	pre-1888	W.H. Phillips
Donaghadee Harbour (bus station), Donaghadee	J5980	1994-1997	D. Getty
Ballyhalbert, Ards Peninsula	J6464	01 Sep 2002	G.V. Day

Gymnocarpium dryopteris (Linnaeus) Newman
Oak Fern

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Vulnerable** Brit.: **not listed**
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 Mournes 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	*Mackay 1836*
Hillsborough Forest North - probably planted	J2458	1904	W.J.C. Tomlinson

Dryopteris oreades Fomin
Mountain Male-fern

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

PINOPSIDA

Juniperus communis Linnaeus *sensu lato*
Common Juniper

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2006**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 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
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
Annalong River below the Castles - one stumpy but upright-growing tree + one prostrate bush (2002)	J343265	13 Apr 2002	D. McNeill
	J343265	Jun 2005	J. Preston & C. Wilson
Cove Lough Gully	J341273	Jun 2005	J. Preston & C. Wilson
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	J345279	Jun 2005	J. Preston & C. Wilson
	J347278	Jun 2005	J. Preston & C. Wilson
	J344280	Jun 2005	J. Preston & C. Wilson
Slieve Commedagh, Mourne Mountains	J3428	unknown	R.Ll. Praeger
The Castles (of Commedagh), Slieve Beg, Mourne Mountains	J3427	1936	C.R. Nodder
	J345279	1957	J.S. Pate
	J345279	1979	W.I. McNeill
Slieve Donard, Mourne Mountains	J3527	unknown	BNFC
	J3527	1869	Unknown
	J3527	1985	EHS

Location	Grid Ref.	Date	Recorder
Eagle Rock, Mourne Mountains	J3528	pre-1879	T.H. Corry
Slieve Bearnagh, Mourne Mountains	J356284	1957	J.S. Pate & B.E.S. Gunning

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

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
Slievelamagan, 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
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	J343265	13 Nov 2004	G.V. Day
Annalong River	J349264	14 Oct 1971	J. Harron
Annalong River - 1 plant	J3432527936	13 Nov 2004	G.V. Day
Annalong River - 5 plants	J344280	13 Nov 2004	G.V. Day

MAGNOLIOPSIDA

MAGNOLIIDAE

CERATOPHYLLACEAE

Ceratophyllum submersum Linnaeus
Soft Hornwort

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2003**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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

RANUNCULACEAE

Ranunculus aquatilis Linnaeus *sensu stricto* Euro.: **not listed** N.I.: **not listed**
Common Water-crowfoot Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2006**

A scarce native aquatic that was first recorded in 1871. It occurs in sheltered loughs and pools in shallow water. The centre of population lies near Downpatrick, but there are old records from the north and west of the county, where it is now less frequently recorded. It has probably declined as a result of land drainage, a factor that is not likely to diminish, so that the county population appears vulnerable to further losses.

This species has been deleted from the Register as it has now been found in more sites, such that it exceeds the criteria for inclusion.

Ranunculus baudotii Godr. Euro.: **not listed** N.I.: **not listed**
Brackish Water-crowfoot Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2004**

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.

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

Ranunculus circinatus Sibth. Euro.: **not listed** N.I.: **not listed**
Fan-leaved Water-crowfoot Ir.: **not listed** Brit.: **not listed**
Local: **2** 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 the late 1980s and early 1990s. The population of this species appears to be at low risk.

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

Aquilegia vulgaris Linnaeus
Columbine

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

An attractive, scarce, 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.

Location	Grid Ref.	Date	Recorder
Clonallan Glebe at Warrenpoint	J1519	19 Aug 2002	G.V. Day
Rostrevor Forest park	J1818	14 Aug 1976	BNFC
Killowen Village - probably garden escape	J1915	03 Aug 2001	G.V. Day
Rostrevor Forest	J2019	1976	BNFC
Upper Bann, near Hen Mountain	J24742850	04 Jun 2006	G.V. Day
by Shimna River north-west of Newcastle	J33	1889 or 1890	*Stewart & Praeger1892*
Ballycarngannon, 2.5km south of Carryduff	J3362	17 Aug 2002	G.V. Day
Belvoir Forest - on sandy-loam riverbank in wood, near RSPB offices	J343696	20 May 1999	R. Anderson
Loughinisland, planted	J4245	10 Jun 2001	G.V. Day
old railway track near Downpatrick-(Ballyduggan) Rail Loop - probably garden escape	J4743	1979	P. Hackney
oakwoods by Quoile Pondage Basin NNR	J4947	1945	R.D. Meikle
Quarry Lane, Scrabo Hill	J4773	1972	M.P.H. Kertland

Thalictrum flavum Linnaeus
Common Meadow-rue

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** Last seen: **1939**
N.I. Species of Conservation Concern March 2004

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.

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

Thalictrum alpinum Linnaeus
Alpine Meadow-rue

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** Last seen: **1955**
N.I. Species of Conservation Concern March 2004

A small native perennial that was previously found at one station only. It was present on Thomas Mountain in the Mournes, 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, Mourne Mountains	J364292	1955	A.W. Stelfox

BERBERIDACEAE

Berberis vulgaris Linnaeus
Barberry

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1869**

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
Ballyhackamore, Belfast	J3874	1865	S.A. Stewart
Conlig	J500780	1869	S.A. Stewart

PAPAVERACEAE

Papaver dubium Linnaeus ssp. ***lecoquii*** Lamotte
Babington's Poppy

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **20052**

An annual archaeophyte usually found on heavy arable and disturbed soils. Earlier workers frequently did not distinguish between *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 more common.

Location	Grid Ref.	Date	Recorder
Hillhead, Ballycran Beg	J61495863	25 Jul 2002	G.V. Day
South Bay, Ards Peninsula – caravan park	J63754839	31 Jul 2005	G.V. Day
Ringboy Point, Cloghy Bay, Ards Peninsula	J650575	04 May 1995	P. Hackney

Papaver hybridum Linnaeus
Rough Poppy

Euro.: **not listed**
Ir.: **RDB Endangered; FPO**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
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 probably 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

Papaver argemone Linnaeus
Prickly Poppy

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

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

FUMARIACEAE

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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2002**

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
Craigantlet	J4376	pre-1938	C.R. Nodder det. H.W. Pugsley
Ballycroghan, Bangor	J5480	27 Jul 2002	G.V. Day
Hillhead, Ballycran Beg	J61015817	25 Jul 2002	G.V. Day

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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2005**

A scarce native annual of well-drained, acidic soils. It usually occurs on disturbed, cultivated, sandy or waste ground. This subspecies may be overlooked as it can be difficult to identify and few workers have identified *Fumaria muralis* to subspecies. More work is needed to establish the status of this taxon.

Location	Grid Ref.	Date	Recorder
Drumbo - beside spoil heap	J3265	1988	E.T. Daniels
Stormont Estate – near tennis courts	J404743	03 Jun 2005	G.V.Day
Carrowdore, 2km NE of Mount Stewart	J57W	10 Aug 1999	J. Wilde

Location	Grid Ref.	Date	Recorder
Cherry Cottage, Ballyhaft Road - on soil imported into garden from source in Co. Down	J525727	17 Aug 2003	G.V. Day

Fumaria purpurea Pugsley
Purple Rampling-fumitory

Euro.: **not listed** N.I.: **not listed**
Brit.: **not listed** Ir.: **not listed**
Local: **Extinct** Last seen: **1930**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

An extinct distinctive native annual of well-drained acidic soils. It usually occurs on disturbed ground and was present in Belfast and near Banbridge.

Location	Grid Ref.	Date	Recorder
Lenaderg	J1148	1904	J.H. Davies det. H.W. Pugsley
Shaw's Bridge, River Lagan	J325689	1904	N. Carrothers det. H.W. Pugsley
Campbell College and Cabin Hill School, Belmont Rd., Belmont	J3974	1930	S.A. Bennett & C.D. Chase

Fumaria densiflora DC.
Dense-flowered Fumitory

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **3** 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 in 2001 at Lough Cowey - it was not present at this site in 2002. The species may reoccur, as it is probably still present on the Ards Peninsula.

Location	Grid Ref.	Date	Recorder
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
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

CHENOPODIACEAE

Chenopodium bonus-henricus Linnaeus
Good-King-Henry

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **3** Last seen: **1957**

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

Location	Grid Ref.	Date	Recorder
Cregagh, Belfast	J3673	1932	C.D. Chase
St. John's Point, 2km south of Killough	J53	1957	BSBI

Chenopodium rubrum Linnaeus
Red Goosefoot

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

A scarce 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. This species appears to have increased and is at low risk.

Location	Grid Ref.	Date	Recorder
proposed Nature Park, Harbour Airport, Belfast Harbour Estate	J383780	08 Sep 2000	S.A. Wolfe-Murphy
Belfast Harbour Estate	J37	11 Aug 2001	BSBI
	J38567823	29 Sep 2002	G.V. Day
Kinnegar Pools, Belfast Lough	J386783	1990	R.J. Bleakley
Downshire Bridge	J401355	1920	C.D. Chase & S.A. Bennett
near Murlough House, abundant	J414351	1927	C.D. Chase & S.A. Bennett
Strangford Lough shore near Comber	J4669	1974	S. Beesley
Holywood (site destroyed)	J400790	pre-1863	R. Tate
Clea Lakes shore	J5055	1987	C.D. Preston
south of Ballywalter, Ards Peninsula	J6269	1903	R.Ll. Praeger
Ballyhalbert, Ards Peninsula	J6563	1799	J. Templeton
	J6563	Sep 1915	S.A. Bennett & C.H. Waddell det. P. Hackney
Ganaway, Ards Peninsula	J67	12 Sep 1999	G.V. Day
coast north of Ballywalter, Ards Peninsula	J67F	12 Sep 1999	J. Harron
south of Woburn House, Drumfad	J6074	1903-1937	R.Ll. Praeger
Drumfad Bay, Millisle, Ards Peninsula	J6074	26 Sep 1999	G.V. Day
Drumfad, Ards Peninsula	J6074	04 Sep 2001	G.V. Day
Ballyferis Point, Ards Peninsula	J622730	1903	R.Ll. Praeger

CARYOPHYLLACEAE

Arenaria serpyllifolia Linnaeus ssp. ***leptoclados*** (Reichb.) Nyman
Lesser Thyme-leaved Sandwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1937**

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 and is probably now extinct in the county.

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. *serpyllifolia* in *Stewart & Corry 1888*) *This record requires confirmation*	J3774	pre-1863	R. Tate
Knock, Belfast (incorrectly as ssp. *serpyllifolia* in *Stewart & Corry 1888*) *This record requires confirmation*	J3873	pre-1863	R. Tate

Location	Grid Ref.	Date	Recorder
Belmont (incorrectly as ssp. *serpyllifolia* in *Stewart & Corry 1888*) *This record requires confirmation*	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
Holywood	J4079	c. 1878	T.H. Corry det. F.H. Perring
Killough Bay	J5435	1898	J.H. Davies
	J5435	1935-1937	R.Ll. Praeger
Groomsport, Belfast Lough - sandy field	J5383	1868	S.A. Stewart det. P. Hackney

Stellaria pallida (Dumort.) Crép.
Lesser Chickweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

A rare inconspicuous spring-flowering native annual found in open sandy areas on the outer Ards Peninsula. Recorders regularly visit this area, but it has only been recently recorded twice. The population of this species is very small and is probably close to extinction.

Location	Grid Ref.	Date	Recorder
Ballyholme dunes	J58	1878	T.H. Corry det. P. Hackney, 2003
Cloghy Bay dunes, Ards Peninsula – frequent in 2006	J6457	17 Apr 1984	P. Hackney
	J64245735	23 Apr 2006	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

Stellaria palustris Retz.
Marsh Stitchwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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

Cerastium arvense Linnaeus
Field Mouse-ear

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

N.I.: **not listed**
Brit.: **not listed**
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 probably now 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.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

A scarce small native annual of well-drained coastal sandy ground. It was first recorded before 1833 at Greencastle Bay, but has not been recorded from this site and some other early sites since. It 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 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
Belfast Harbour Estate	J38257836	29 Sep 2002	G.V. Day
Dundrum dunes	J4038	1878-1894	S.A. Stewart, T.H. Corry & C.H. Waddell
Murlough ASSI	J406345	11 Jun 1991	E. Porter & I. Crawford
	J41083443	14 May 2004	G.V. Day & J. Harron
Murlough House	J4135	21 May 1992	M. Flatt
Tyrella area	J47133613	22 Jun 2002	G.V. Day
Ballyhornan	J59284202	27 May 2006	G.V. Day
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
	J6043	04 Jun 2005	G.V. Day
Cloghy Bay, Ards Peninsula	J6456	1903	R.Ll. Praeger
Cloghy, Outer Ards Peninsula	J6457	24 Sep 2000	G.V. Day

Scleranthus annuus Linnaeus *sensu lato*
Annual Knawel

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **1992**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 two 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
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
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: **1**

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

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 as it is very low, is probably endangered.

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
railway at Lenaderg	J1148	1902	J.H. Davies
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
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 Extinct**
Local: **3**

N.I.: **not listed**
Brit.: **RDB Extinct in Wild; WCA**
Last seen: **2003**

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
Maggy's Leap, Ballaghanery Upper Td.	J3828	pre-1890	S.A. Stewart & R.Ll. Praeger
Castlereagh	J3771	pre-1888	Unknown
Comber	J4669	1913	S.A. Bennett
Holywood	J4079	pre-1888	Unknown
Newtownards	J4974	1864	J. Darragh
Killough	J5336	1908	W.J.C. Tomlinson
Clay Lough, Killyleagh	J5155	1891	C.H. Waddell
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

POLYGONACEAE

Persicaria mitis (Schrank) Opiz ex Assenov
Tasteless Water-pepper

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

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

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 (shoreline)	J079636	20 Sep 1971	J. Harron
	J079639	18 Aug 1997	J. Harron
	J079636	14 Aug 2004	J. Harron
Annaghdroghal, Lough Neagh	J0863	1969	J. Harron conf. D.A. Webb
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

PLUMBAGINACEAE

Limonium procerum (C.E. Salmon) Ingrouille ssp. ***procerum***
Rock Sea-lavender

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

N.I.: **not listed**
Brit.: **RDB Nationally Scarce**
Last seen: **2006**

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. The location was recorded in July 2000 using GPS. 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
	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

ELATINACEAE

Elatine hexandra (Lapierre) DC.
Six-stamened Waterwort

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **1999**
N.I. Species of Conservation Concern March 2004

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.: **not listed** N.I.: **WO**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **2** Last seen: **1997**
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 has *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

Location	Grid Ref.	Date	Recorder
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 (shoreline)	J083629	18 Aug 1997	J. Harron
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 *Wear 1923*	J2865	Sep 1898	J.H. Davies
	J282656	1945	E.N. Carrothers
Loughinisland Lake	J425452	01 Aug 1989	N.I. Lake Survey

MALVACEAE

Malva neglecta Wallr.
Dwarf Mallow

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

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

DROSERACEAE

Drosera anglica Huds.
Great Sundew

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1894**

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** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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

VIOLACEAE

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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2008**

A sterile hybrid showing characters that are intermediate between the parents. It may be under-recorded, as it may be mistaken for *V. reichenbachiana*. First observed at Terrace Hill below in 2000, but mis-identified at that time. It was re-examined in 2008, and identified as the hybrid.

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

Viola tricolor Linnaeus ssp. ***tricolor***
Wild Pansy

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2004**

A rare attractive native annual or perennial plant of cultivated, marginal 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
Slievenaboley Mountain and Windy Gap	J2744	23 Aug 2002	G.V. Day
Murlough NNR	J4034	14 May 2004	G.V. Day & J. Harron
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 ***mollissima*** Hoffm. ex Elwert (*S. triandra* x *S. viminalis*)
Sharp-stipuled Willow

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

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

Salix x ***rubra*** Hudson (*S. purpurea* x *S. viminalis*)
Green-leaved Willow

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

N.I.: **not listed**
Brit.: **not listed**
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, Ardbrin	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

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 myrsinifolia Salisb.
Dark-leaved Willow

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

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 may be 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
Ballygoskin, south-west of Curragh	J502574	16 Oct 1986	J. Harron det. R.D. Meikle
	J502574	02 Oct 1987	J. Harron
	J502574	1990	J. Harron

Salix herbacea Linnaeus
Dwarf Willow

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

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 Mournes, 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.

Location	Grid Ref.	Date	Recorder
Scallarea [Scallaree], Mourne Mountains; name cannot be located on maps	unknown	pre-1804	John White in *Wade 1804*
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
West of Bencrom, Mourne Mountains	J3126	pre-1804	John White in *Wade 1804*
Slieve Bearnagh, Mourne Mountains	J3128	c.1882	C. Dickson
	J3128	1890	R.Ll. Praeger
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
	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

Location	Grid Ref.	Date	Recorder
Slieve Commedagh, Mourne Mountains	J3428	c. 1882	H. C. Hart
	J3427	pre-1890	S.A. Stewart & R.Ll. Praeger
	J3428	1895	C. H. Waddell
	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
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 *Wade 1804*
	J3529	02 Jul 1992	P. Jackson & M. Flatt
Chimney Rock Mountain, Mourne Mountains	J3625	pre-1890	S.A. Stewart & R.Ll. Praeger
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

BRASSICACEAE

Rorippa microphylla (Boenn.) Hyland ex Á. & D. Löve
Narrow-fruited Water-cress

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

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

A scarce native perennial of shallow streams, ditches, marshes and lough-shores. It is widely distributed over the county. The population of this species 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
Clontanagullion Lough	J322510	14 Aug 1991	W.E. Harrison & J. Harron
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
The Dorn, Strangford Lough	J589556	03 Jul 1991	J. Harron
Orlock Point, Belfast Lough	J5583	22 Jun 1985	S.J. Leach
Copeland Island (Big Island)	J5983	09 Aug 2003	G.V. Day & J. Harron
	J58898350	06 Jun 2004	G.V. Day & J. Harron
	J58608367	06 Jun 2004	G.V. Day & J. Harron
	J58188440	06 Jun 2004	G.V. Day & J. Harron

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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **3** Last seen: **2005**

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
Kinnegar - 200+ plants in wet hollow in path	J386780	Jul 2004	R.S. Weyl
Craigantlet Wood – on gravelly surface of track	J440776	28 Aug 2005	J. Harron

Cardamine amara Linnaeus
Large Bitter-cress

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **2** Last seen: **2007**

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 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
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
Edenderry (Marsh) NR	J3168	06 Jun 2000	BNFC

Location	Grid Ref.	Date	Recorder
Minnowburn Beeches	J325687	1981	P. Hackney
	J32356850	22 Apr 2007	G.V. Day
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
	J342697	1998	D. McNeill
Belvoir Park Motte	J340698	1979	BNFC det. R. Piper
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
Ballyalloly marsh	J4367	pre-1888	S.A. Stewart
Castleward (National Trust), Strangford Lough	J570490	25 Jun 1992	M. Flatt

Arabis hirsuta (Linnaeus) Scop.
Hairy Rock-cress

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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, but is extinct at this site. It has been mostly found in the south-east of the county, and has only been recorded twice since 1950. It has not been refound at the Slidderyford site (1952) despite regular visits by recorders. The county population of this species is probably endangered.

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
Strangford Lower Td.	J5850	08 Jul 2002	G.V. Day
Ballycroghan, Bangor	J5481	27 Jul 2002	G.V. Day

Erophila majuscula Jordan
Hairy Whitlowgrass

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1909**

A native species that was only segregated in floras in 1987. The records are based on specimens in **BEL**. It has not been refound, and is presumed to be extinct.

Location	Grid Ref.	Date	Recorder
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

Erophila glabrescens Jordan
Glabrous Whitlowgrass

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

A native species that was only segregated in floras in 1987. It has only been found once, and could be under-recorded. It is similar to *Erophila verna* and may be overlooked.

Location	Grid Ref.	Date	Recorder
Drumkeeragh Forest – bare ground in car park	J333463	20 May 1999	P. Hackney

Cochlearia officinalis Linnaeus ssp. ***scotica*** (Druce) Jackson
Scottish Scurvygrass

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2007**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A scarce native subspecies, that grows in coastal situations. It was first recorded in 1935 and has a widespread distribution. It appears to have declined, but may be overlooked because of difficulties in identification. The county population of this species is probably small, but as its habitat is unlikely to change, is at low risk. This taxon is part of a complex for which there is no generally agreed taxonomic treatment. For discussion of the problems, see Rich (1991).

Location	Grid Ref.	Date	Recorder
Narrow Water, south-east of Newry	J1120	30 May 1987	E. Addy, M.D.B. Allen & S. Beesley
east of Greencastle, Carlingford Lough	J2411	1935	R.Ll. Praeger
Wreck Port	J36661841	02 May 2004	G.V. Day
Bloody Bridge	J38912703	16 Apr 2004	P. Hackney & G.V. Day
Craigalea	J44813518	14 May 2004	G.V. Day & J. Harron
between Rockport and Grey Point, Belfast Lough	J4382	1966	J. Harron
near Grey Point, Crawfordsburn Country Park	J458833	1936	R.Ll. Praeger
coastal path, Bangor	J49478240	14 May 2006	G.V. Day
Sheepland/Coney Island	J53	1955-1958	BSBI
St. John's Point, 2km south of Killough	J53	1957	BSBI
opposite Gun's Island, Strangford Lough	J597412	1936	R.Ll. Praeger
Holm Bay, Strangford Lough	J5353	29 Mar 2005	G.V. Day
Groomsport, Belfast Lough	J5383	1937	R.Ll. Praeger
Cove Bay	J54478345	06 May 2006	G.V. Day
Copeland (Big) Island	J5883	28 Jul 2007	G.V. Day
Lighthouse Island, Copelands	J59538597	21 May 2006	G.V. Day
Killard Point NR	J61014349	22 May 2004	G.V. Day
Bar Hall Bay, Strangford Lough	J617468	1984	P. Hackney
South Bay, Ards Peninsula	J6348	1984	P. Hackney
Burr Point, Ballyhalbert, Ards Peninsula	J66286308	06 May 2006	G.V. Day

Teesdalia nudicaulis (Linnaeus) W.T. Aiton
Shepherd's Cress

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **1** Last seen: **2006**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 appears to be at low risk.

Location	Grid Ref.	Date	Recorder
sandy waste, Lambeg near bleach grounds-extinct by 1938 *Praeger & Megaw1938*	J26	1899	J.H. Davies
Newcastle - garden weed	J3731	1957	A.W. Stelfox
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
Murlough NNR & ASSI (dunes)	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
	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
Murlough House	J414351	1932	C.D. Chase & C.R. Nodder
	J4133	21 May 1992	J.A. Lister
	J4135	21 May 1992	M. Flatt
Ballykinler - sandy field	J4235	1902	R.Ll. Praeger
	J4235	1914	N. Carrothers

Coronopus squamatus (Forssk.) Asch.
Swine-cress

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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
Bangor	J48 or J58	pre-1825	J. Templeton
Sheepland/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
Killyleagh	J5252	1952	J.E. Greer
Ballyhornan	J59854278	03 July 2006	G.V. Day
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
Awlwort

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

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

A native aquatic of shallow oligotrophic lough margins. This species was first found in the British Isles by W. Sherard at Kilmore townland, county Down on the shores of Lough Neagh near Moira in about 1690, whilst Sherard was resident at Moira as the tutor-cum-guest of Sir Henry Rawdon.

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

Crambe maritima Linnaeus
Sea-kale

Euro.: **not listed**
Ir.: **RDB Not Threatened**
Local: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 in 2005 and 2006 have revealed a number of other stations, but there are no recent sightings from its former strongholds along the outer Ards coast.

Location	Grid Ref.	Date	Recorder
north side of Leestone Point	J3341214569	2005	J. Whatmough
Ballymartin near Black Rock - 2 plants and 3 young	J3599017258	2005	J. Whatmough
near Annalong	J3719	1860s	M.J.B. Ward
Mullartown Point - 1 young plant	J3818621127	2005	J. Whatmough
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 & J380227	21 Sep 1997	G.V. Day & J.D. Nunn
	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	J388227	19 Sep 1991	E. Porter & I. Crawford
Ballyhornan	J59984262	03 Jul 2006	G.V. Day & J.D. Nunn
Portavoe - large patch	J5781	1966-1975	J. Harron
Ballywilliam, 2km north-west of Donaghadee	J5781	1966	J. Harron
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
between Quintin Castle and Knockinelder, Ards Peninsula on waste ground	J6351	1874	J. O'Laverty
	J6351	25 Jun 1876	S.A. Stewart

ERICACEAE

Andromeda polifolia Linnaeus
Bog-rosemary

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Not Threatened** Brit.: **not listed**
Local: **Extinct** Last seen: **1927**
N.I. Species of Conservation Concern March 2004

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
	J5379	1927	BNFC
Wolf Island Bog - gone by 1930s	J5772	1794	J. Templeton
	J5772	1865	S.A. Stewart

Arbutus unedo Linnaeus
Strawberry-tree

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

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

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
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

Erica vagans Linnaeus
Cornish Heath

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

N.I.: **WO**
Brit.: **RDB Near Threatened**
Last seen: **1978**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

An introduced perennial, first noted at Murlough in 1899.

Location	Grid Ref.	Date	Recorder
Murlough sand dunes	J4134	21 Sep 1899	W. Swanston
	J43	1978	E.C. Nelson

Vaccinium oxycoccos Linnaeus
Cranberry

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

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

A very local low-growing shrub of wet bogs. It was first recorded in the 1860s from several sites, now all destroyed, and has only been recorded at four stations since 1950. Of these four, it appears to have survived at only one (Cluntagh), where it was first found in 1990 and last seen in 2004. The site is a fragment of bog - a habitat much damaged and reduced in the county. The continuing destruction of county Down bogs suggests that the species is destined for extinction unless active steps are taken to conserve the site.

Location	Grid Ref.	Date	Recorder
Skillyscolban - abundant	J14	1956	J.S. Pate & B.E.S. Gunning
Skillyscolban Lough	J188498	1959	R.C. Davidson
Cluntagh Bog near Lough Aghery	J295535	1990	I. Rippey
	J29835326 & J29985309	31 May 2004	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

PYROLACEAE

Pyrola minor Linnaeus
Common Wintergreen

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

N.I.: **not listed**
Brit.: **not listed**
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 certainly endangered, if not 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

Pyrola media Sw.
Intermediate Wintergreen

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1981**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 may 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

MONOTROPACEAE

Monotropa hypopitys Linnaeus *sensu lato*
Yellow Bird's-nest

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Rare** Brit.: **not listed**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

The only county Down record, from Greyabbey (J5867) from before 1864, was considered by R.Ll. Praeger to be an error.

PRIMULACEAE

Primula veris Linnaeus
Cowslip

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Not Threatened** Brit.: **not listed**
Local: **3** Last seen: **2000**

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.

Location	Grid Ref.	Date	Recorder
Shan Port to Kinnegoe Point	J065630	16 Jun 1988	Habitat Survey Team, EHS
wood at Rostrevor	J1718	1888-1938	R.Ll. Praeger
Belvoir Park Forest - c. 100 plants in open ground (1994)	J3469	May 1994	G.N.L. Coates
	J36	06 May 2000	BNFC
Belfast Harbour Estate	J37	04 Apr 2000	W.H. Veale & T. Rolston
	J37	18 Apr 2000	W.H. Veale & T. Rolston
Campbell College - not native	J37	1920s	S.A. Bennett & C.D. Chase
Knock Railway NR - on shaded sandy bank under sycamore	J374735	23 Apr 2000	R. Anderson
Holywood Warren - long gone since	J47	pre-1825	J. Templeton
Wildflower Meadow, Crawfordsburn Country Park	J469818	08 Jul 1997	M. Wright

Hottonia palustris Linnaeus
Water-violet

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

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 2004, 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
Hollymount - in ditches of alder swamp, 0.5 miles NW of NR	J44	1980	R.S. Weyl
Downpatrick	J44	1949	J.McK. Moon
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

Anagallis minima (Linnaeus) E.H.L. Krause
Chaffweed

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2007**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A tiny annual that grows in damp sandy and gravelly places, lough shores and dunes. It has been 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	*Praeger & Megaw 1938*
Ballygowan	unknown	pre-1938	*Praeger & Megaw 1938*
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	*Praeger & Megaw 1938*
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	*Praeger & Megaw 1938*
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
	J59028341	28 Jul 2007	G.V. Day
	J58978347	28 Jul 2007	G.V. Day

CRASSULACEAE

Sedum rosea (Linnaeus) Scop.
Roseroot

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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
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
Slievenaglogh, Mourne Mountains	J2923	pre-1890	R.Ll. Praeger

Sedum forsterianum Sm.
Rock Stonecrop

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

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

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
Newcastle	J37173367	28 Aug 2001	G.V. Day
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
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

SAXIFRAGACEAE

Saxifraga stellaris Linnaeus
Starry Saxifrage

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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 north slope of the Slieve Donard/Commedagh massif (J. Harron pers. comm.). It may therefore be at risk from, for example, prolonged drought.

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
Slieve Commedagh, Mourne Mountains	J3428	1916	S.A. Bennett & BNFC
	J3428	1969	J. Wilde
	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, Mourne Mountains	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

Location	Grid Ref.	Date	Recorder
Glen River, Mourne Mountains	J3629	1981	P. Hackney
	J33	1981	S. Beesley
	J360293	27 Nov 1990	C. Wilson
	J362294	27 Nov 1990	C. Wilson

Saxifraga granulata Linnaeus
Meadow Saxifrage

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

N.I.: **not listed**
Brit.: **not listed**
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: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

A small native annual calcicole of open situations on dry rocks, sand-hills and walls. This plant was first recorded in 1800. There have been only two records since the 1930s. This species appears to be at high risk.

Location	Grid Ref.	Date	Recorder
Kilmore near Crossgar - walls and gravel	J4451	1894	C.H. Waddell
Dundonald - car park at ASDA store (formerly Wellworths and Safeways)	J4274	May 1993	J. Wilde
	J422738	2001-2003	J. Wilde
rocks by coast at Cloghy Bay, Ards Peninsula	J6456	1894	C.H. Waddell

Parnassia palustris Linnaeus
Grass-of-Parnassus

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

N.I.: **not listed**
Brit.: **not listed**
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 population appears to be endangered if not extinct.

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

ROSACEAE

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	*Kane 1833*
frequent in Mourne Mountains	unknown	pre-1892	*Stewart & Praeger 1892*
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 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 nessensis W. Hall

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

N.I.: **not listed**
Brit.: **not listed**
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 Castlewellan Lough	J3236	1893	S.A. Stewart
Castlewellan Lake, Castlewellan Forest Park	J3236	1901	C.H. Waddell

Rubus plicatus Weihe & Nees

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

N.I.: **not listed**
Brit.: **not listed**
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, Ardbrin	J1841	pre-1938	H.W. Lett & C.H. Waddell
possibly in Co. Down	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 scissus W.C.R. Watson

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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
no specific location given	J45	1985	A. Newton
no specific location given	J46	1985	A. Newton

Rubus hesperius Rogers

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 lindleianus Lees

Euro.: **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 *Wear1923*	J45	pre-1923	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 *Praeger & Megaw 1938*
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 *Praeger & Megaw 1938*
hedge near Lough Money	J544455	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 adscitus Genev.

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
beside Castlewellan Lake	J325369	1985	A. Newton & P. Hackney

Rubus lanaticaulis Edees & Newton

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1985**

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
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

Location	Grid Ref.	Date	Recorder
no specific location given	J54	1985	A. Newton
Shrigley, Killyleagh	J5153	1876	S.A. Stewart det. D.E. Allen

Rubus wirralensis Newton

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
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

Rubus moylei W.C. Barton & Riddelsd.

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

N.I.: **not listed**
Brit.: **not listed**
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 Castlewellan Lake, Castlewellan 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 raduloides (Rogers) Sudre

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
hedge beside house at crossroads c. 1km east of Lough Money	J545455	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
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 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
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 hibernicus (Rogers) Rogers

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1985**

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, Ardbrin - common	J1841	1896	C.H. Waddell det. D.E. Allen
	J1841	1901	W.M. Rogers
Saintfield	J4059	1901	C.H. Waddell det. W.M. Rogers
	J4059	1905	C.H. Waddell det. W.M. Rogers

Rubus adenanthoides Newton

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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
may not be in Co. Down	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
no specific location given	J33	1985	A. Newton

Rubus radula Weihe ex Boenn

Euro.: **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 rubristylus W.C.R. Watson

Euro.: **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
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 scoticus (Rogers & Ley) Edees

Euro.: **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 latifolius Bab.

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

A perennial that occurs mostly on the lower ground, but its current status is unclear as it may be overlooked because of difficulties in identification.

Location	Grid Ref.	Date	Recorder
Lenaderg railway station *This record requires confirmation*	J112486	1989	P. Hackney
Glasdrumman Port	J380220	25 Jun 2005	G.V. Day conf. A. Newton
large thickets on hillside beside west shore of Strangford Lough, a little north of Killyleagh Harbour	J532529	1988	P. Hackney det. A. Newton
Orlock Point, Belfast Lough	J565829	26 Jun 2005	G.V. Day conf. A. Newton

Rubus caesius Linnaeus
Dewberry

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2000**

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
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
	J54	1980s	R.J. Bleakley

Location	Grid Ref.	Date	Recorder
Killard NR, Strangford Lough	J6043	15 Jun 1997	BSBI

Potentilla fruticosa Linnaeus
Shrubby Cinquefoil

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

N.I.: **not listed**
Brit.: **RDB Near Threatened**
Last seen: **1988**

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

Location	Grid Ref.	Date	Recorder
Dromore	J15W	02 Jul 1988	P. Hackney

Potentilla erecta (Linnaeus) Raeusch ssp. ***strictissima*** (Zimmeter) A. J. Richards

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

A rare native perennial found on acidic soils such as heath and moorland. This subspecies was first recorded in 1878, and there have only been three records since 1950. This taxon 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
Lough Shannagh, Mourne Mountains	J2926	23 Jul 2006	G.V. Day
Bloody Bridge west, in an area of burnt gorse	J3827	29 Aug 2001	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
Cotton Moss	J5379	1902	R.Ll. Praeger det. A.J. Richards

Geum rivale Linnaeus
Water Avens

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2000**

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. This species appears to have a stable population and is at low risk.

Location	Grid Ref.	Date	Recorder
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
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 NR	J4743	14 Jun 1997	BSBI

Location	Grid Ref.	Date	Recorder
Ballykeel Glen, Holywood	J4177	1890-1910	R.Ll. Praeger
	J411774	1967	J. Harron
Finnabrogue (Quoile)	J5048	20 Aug 1966	BSBI
Castleward (National Trust), Strangford Lough	J572494	Aug 1985	A. Farr & R. Boyd
Nugent's Wood	J5851	25 May 1999	G.V. Day
Ballyhaft Road, Ards Peninsula	J5272	Aug 1998	G.V. Day

Agrimonia procera Wallr.
Fragrant Agrimony

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1987**

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
Murlough NNR - dunes	J33	pre-1938	R.Ll. Praeger
Newtownards	J4974	1967	J. Harron
roadside near Steamboat Quay, Quoile	J5047	1892	R.Ll. Praeger
	J5047	1986	R.J. Bleakley
Slievenagriddle 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.: **RDB Vulnerable; FPO**
Local: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2004**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A rare native perennial of open pasture. It was first recorded before 1863 and only 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 now grow 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 as the site is subject to trampling by children and will become over-shadowed by amenity sycamore trees.

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

Aphanes inexspectata Lippert
Slender Parsley-piert

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

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

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 deleted from the Register as it has now been found in more sites such that it exceeds the criteria for inclusion.

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

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

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

Two forms of this hybrid have been found in County Down. The first form was last seen in the wild in county Down in 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. This hybrid is the product of a *Rosa canina* female parent. The hybrid plant from Saul is the product of a *Rosa spinosissima* female parent.

Location	Grid Ref.	Date	Recorder
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 Holywood	J3877	1795	J. Templeton
	J3877	04 Jun 1807	J. Templeton
	J3877	1886-1937	R.Ll. Praeger
	J3877	1954	J. Heslop-Harrison
Saul	J51884666	25 Sep 2005	G.V. Day conf. R. Maskew

Rosa caesia Sm**.** ssp. ***vosagiaca*** N. Desp.
Glaucous Dog-rose

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2005**

A scarce native shrub that is found in a wide range of habitats including hedges and scrub. 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 subspecies has only recently undergone a name change from *Rosa caesia* ssp. *glauca* to *R. c*. ssp. *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. caesia* 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. 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. Waddell frequently recorded the hybrid *R.* x *dumalis* at the same sites at the same times as *R. caesia*.

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
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
Islandhill (Rough Island), Strangford Lough	J495688	23 Sep 2003	G.V. Day
	J49546884	22 Aug 2005	G.V. Day
Dundonald-Comber railway line south of Millmount	J4372	10 Jul 1997	P. Hackney
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

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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **1955**

According to Kertland (1972) this taxon (under the name *Rosa coriifolia* Fr.) is '*found frequently in all three counties*' [Down, Antrim, Londonderry] but gives no detailed records. There are only two records in the literature: the earlier is dated 1919, the later 1955. 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 Ulster Museum. More work is needed to establish the status of this plant in county Down.

Location	Grid Ref.	Date	Recorder
Hedge west of Clandeboye	J47	1955	J. Heslop- Harrison
Ballymagee near Bangor	J5280	1919	A.W. Stelfox

Rosa tomentosa Smith
Harsh Downy-rose

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

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

This species was recorded in the 1980s from Clanrye River, River Lagan, Donaghcloney, Lough Mann and Derryboy. However, it probably does not occur in north-east Ireland, with records referring to either *Rosa mollis* or *R. sherardii*. Further work is required to establish the status of this species in Northern Ireland.

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

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

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

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.

Location	Grid Ref.	Date	Recorder
Ewart's Glen	unknown	1919	C.D. Chase & S.A. Bennett
	unknown	1921	C.D. Chase & S.A. Bennett
Rostrevor Wood	J11	pre-1833	*Kane 1833*
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
between Ballywalter and Greyabbey	J56 or J66	pre-1888	S.A. Stewart

Prunus padus Linnaeus
Bird Cherry

Euro.: **not listed**
Ir.: **RDB Not Threatened**
Local: **1**

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

A rare small tree, originally probably native to the county, but nowadays it is far commoner as an introduced or planted tree, and truly native individuals are either very scarce or extinct. First noted in 1878. 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.

Location	Grid Ref.	Date	Recorder
edge of River Lagan near Ardery's Mill, Tullycairne	J1552	1878	T.H. Corry
Hare's Bridge, Spinkwee (Cascade) River	J333313	1969	A.W. Stelfox
Minnowburn Beeches	J3268	22 Apr 2007	G.V. Day
Belvoir Park Forest - a little north of old graveyard	J342698	1948	E.N. Carrothers
Tillysburn Nature Park, planted	J3876	11 Aug 2001	BSBI
Rademon Bridge, Ballynahinch River	J4351	1927	R.Ll. Praeger & W.J. Sayers
Ballywilliam, 1km SW of Comber, planted	J4468	09 May 2002	G.V. Day
Clandeboye Estate - planted	J4779	31 Oct 2002	G.V. Day & J. Harron
Crawfordsburn Country Park - probably planted	J4682	1971	P. Hackney

Malus sylvestris Mill.
Crab Apple

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

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

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. The county population appears stable and at low risk.

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
between Edenderry & Shaw's Bridge beside River Lagan	J36	1985	P. Hackney
Castlereagh Glen	J37	pre-1863	*Tate 1863*
Ballymaghan Glen	J37	pre-1863	*Tate 1863*
Finnebrogue	J44 or J54	1980	R.J. Bleakley
Rossconor, 3km SSW of Crossgar	J436477	09 May 1987	J. Harron
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
Holywood Glen, three or four bushes remaining	J47	May 1797	J. Templeton
Knock Glen	J47	1878	T.H. Corry

Sorbus intermedia (Ehrh.) Pers.
Swedish Whitebeam

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
valley between Cratlieve and Altataggart Mountain - several old trees	J2225	1987	I. Rippey & 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

Sorbus aria (Linnaeus) Crantz *sensu stricto*
Common Whitebeam

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

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

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
Drinnahilly, Donard Park, Mourne Mountains - above caravan park on northern slope - presumed planted, two trees seen	J363306	17 Jun 1998	P. Hackney
Downpatrick Marshes	J4743	1980-1981	R.S. Weyl
Carngaver Wood - planted in the latter years of 19th century, only a few trees remain	J4576	1984	J. Harron

Sorbus hibernica E.F. Warburg

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1986**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A rare native species that has only been recorded once. It usually grows in scrub or open woodland on base-rich soils. It may have been planted. It is probably now absent, as it has been repeatedly searched for and not found.

Location	Grid Ref.	Date	Recorder
Hollymount NR, near ruined Hollymount House - probably planted	J4743	21 Jun 1986	D.L. Kelly

Sorbus rupicola (Syme) Hedl.

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

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

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 one *Sorbus* tree has recently been seen, which did not appear to be setting seed. The population is threatened.

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

Sorbus devoniensis E.F. Warburg
French Hales

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

An introduced tree of hedges and woodland that is native to south-east Ireland. It was first recorded in 1982 at a single site where it appeared to have naturalised. About half of this woodland was destroyed by development before 2002.

Location	Grid Ref.	Date	Recorder
Ballykilbeg - three trees in wood bordering a marsh	J449403	10 Oct 1987	J. Harron det. T.C.G. Rich
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	Summer 1987	J. Harron & W.E. Harrison
Lyons Bridge, Ballynahinch River	J411521	21 May 2002	G.V. Day & J. Harron
	J412521	21 May 2002	G.V. Day & J. Harron

Crataegus laevigata (Poir.) DC.
Midland Hawthorn

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

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

FABACEAE

Ornithopus perpusillus Linnaeus
Bird's-foot

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1957**

A native annual that 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 1937 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 sylvatica Linnaeus
Wood Vetch

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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. It was previously found in the Belfast area, but 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
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
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
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
Drumbo	J3265	1860s	D. Orr
East Twin, Belfast Docks	J3676	1964	M.P.H. Kertland
Charleville Glen	J3770	1860s	D. Orr
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
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

Vicia lathyroides Linnaeus
Spring Vetch

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2004**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 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 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
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
Dundrum dunes	J404385	1977	R. Anderson
	J404385	1985	P. Hackney
Ballykinler	J421348	1970	J. Harron
Rathmullan	J43	1970	J. Harron
Craigalea	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
Tyrella - 6 plants	J47233624	14 May 2004	J. Harron & G.V. Day
along Ards coast between Ballywalter and Ballyholme at intervals	unknown	unknown	*Hackney 1992* - 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 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

Lathyrus palustris Linnaeus
Marsh Pea

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Not Threatened** Brit.: **not listed**
Local: **Extinct** Last seen: **1920**
N.I. Species of Conservation Concern March 2004

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 ornithopodioides Linnaeus
Bird's-foot Clover

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

N.I.: **not listed**
Brit.: **not listed**
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 endangered and may be 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
Sheepland Harbour	J5839	1902	R.Ll. Praeger

Trifolium micranthum Viv.
Slender Trefoil

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1997**

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 there have been only seven records since, two of which are recent. This species may be overlooked for *Trifolium dubium*, but has apparently markedly declined and is 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
Kinnegar	J3978	pre-1864	Unknown
Holywood	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 Kilclief at Ballyedock Lodge	J54	1918	R.Ll. Praeger
0.4km north of Long Port, Ards Peninsula	J6347	1918	R.Ll. Praeger

Trifolium medium Linnaeus
Zigzag Clover

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
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

Location	Grid Ref.	Date	Recorder
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
Newtownards	J4974	1964	J. Darragh
Conlig Hill	J4976	1958	BSBI
Portavoe	J5682	1880	T.H. Corry

Trifolium arvense Linnaeus
Hare's-foot Clover

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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 here 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
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, Clanmaghery - 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, Ards Peninsula- rock outcrop on road south of town	J595504	21 Jul 2002	D. McNeill
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 striatum Linnaeus
Knotted Clover

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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 may be 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
Sheepland 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
Templecowey, Ards Peninsula	J627477	07 Jun 1985	Habitat Survey Team, EHS
	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.: **not listed**
Last seen: **1989**

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
Slieve Donard - mountain slope	J32	22 Jul 1897	S.A. Stewart det. M.C.F. Proctor c. 1964
Tollymore Forest Park	J33	1989	J. Whatmough
Dundrum dunes	J33 or J43	1987	J. Whatmough

HALORAGACEAE

Myriophyllum verticillatum Linnaeus
Whorled Water-milfoil

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

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

Myriophyllum aquaticum (Velloso) Verdcourt
Parrot's-feather

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

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

This neophyte perennial aquatic plant is grown in aquaria and ponds can be highly invasive. It was first recorded in Ireland at Glastry. However it has apparently not persisted, as it has not been refound, and the site is regularly visited by recorders.

Location	Grid Ref.	Date	Recorder
Crawfordsburn old pond	J4682	2002	R.S. Weyl
Crawfordsburn new pond	J4682	2004	R.S. Weyl
Glastry Lake (south of road), Ards Peninsula	J639630	1988-1990	N.I. Lake Survey det. C.D. Preston

LYTHRACEAE

Lythrum hyssopifolia Linnaeus
Grass-poly

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

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

THYMELAEACEAE

Daphne mezereum Linnaeus
Mezereon

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

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

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
Tieveshilly, Ards Peninsula *This record requires confirmation*	J627476	01 Sep 1991	E. Porter & I. Crawford

Daphne laureola Linnaeus
Spurge-laurel

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

D. laureola is an introduced small evergreen shrub that grows in deciduous woodland. It has been recorded at three sites.

Location	Grid Ref.	Date	Recorder
Drumbo, in hedge of drive to farmhouse - unsure whether planted or bird-sown	J3265	17-22 Jul 1987	E.T. Daniels
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

EUPHORBIACEAE

Mercurialis perennis Linnaeus
Dog's Mercury

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

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 near road to butterfly house	J406429	1988-1993	I. Rippey
Marino, Holywood - long since extinct	J47	pre-1863	J. Grainger

Euphorbia exigua Linnaeus
Dwarf Spurge

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

N.I.: **not listed**
Brit.: **not listed**
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	*Perring & Walters 1976*
Killowen	J1915	pre-1895	Unknown
Bryansford	J3433	pre-1895	Unknown
Newcastle	J3731	pre-1895	Unknown

Location	Grid Ref.	Date	Recorder
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.: **not listed**
Local: **R**

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

A native perennial that is common on sands from Greencastle to St. John's Point. It has recently been found at Strangford and Kearney on the Ards Peninsula. The population of this species may be at low risk.

Location	Grid Ref.	Date	Recorder
south of Annalong - shore, gone now	J3517	c. 1971	J. Harron
Newcastle Golf Club - adjacent to west boundary of Murlough NNR	J392329	07 May 1998	P. Hackney
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
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
Craigalea Rocks, 1.5km SE of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Tyrella beach	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
Strangford Lower Td.	J5849	08 Jul 2002	G.V. Day

Location	Grid Ref.	Date	Recorder
Kearney, Ards Peninsula	J6451	15 Oct 2000	G.V. Day & J.W.D. Semple

Euphorbia portlandica Linnaeus
Portland Spurge

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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 *Hackney 1992*	J21	pre-1888	S.A. Stewart
	J21	1935-1937	R.Ll. Praeger
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
Murlough ASSI - 5 sites in 1km area	J4033	13-14 May 1991	E. Porter & I. Crawford
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
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
Ballykinler	J43	1894	C.H. Waddell
	J43	1902	R.Ll. Praeger
Rathmullan	J43	pre-1888	S.A. Stewart
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
Killough	J53	1913	S.A. Bennett

RHAMNACEAE

Rhamnus cathartica Linnaeus
Buckthorn

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

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

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 *Stelfox 1923*	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 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 Rare**
Local: **1**

N.I.: **WO**
Brit.: **not listed**
Last seen: **1989**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A rare native small deciduous tree, which has occurred in scrub beside lough-shores and at a cut over peat bog. It was first recorded before 1825 but has declined and may be extinct as it has been searched for at Drumawhy Bog, but not refound. This species is endangered and may be extinct in the county.

Location	Grid Ref.	Date	Recorder
Bow Lough	J3557	pre-1825	J. Templeton
Creevytenant	J3755	pre-1825	J. Templeton
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

LINACEAE

Radiola linoides Roth
All-seed

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2002**

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 three records since about 1950, all of them in the south-east. The most recent record is of a single plant growing on a rough track in the Mournes. The county population of this species is endangered.

Location	Grid Ref.	Date	Recorder
Causeway Water	J21	pre-1890	Unknown
Greencastle, Carlingford Lough	J2411	c. 1950	Unknown
Glenloughan, 2.5km north of Ballygowan	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
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 sylvaticum Linnaeus
Wood Crane's-bill

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

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 suspiciously near the garden of Marino House, and it may have been introduced.

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

Geranium pratense Linnaeus
Meadow Crane's-bill

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **3** Last seen: **2003**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

An attractive introduced perennial, native to county Antrim, that has been recorded from river and lough shores, grassy and waste places. It is a garden escape, but does not usually persist. Most records are from the Belfast area.

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
Annadale, River Lagan	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & J. Rutherford
Tillysburn Nature Park	J3876	11 Aug 2001	BSBI
Jericho Lough	J485552	1972	R. Anderson
Clandeboye Estate	J47	09 Aug 2001	BNFC
	J4779	02 Jul 2002	G.V. Day
Ballyfortherly Bog	J55207841	25 Jul 2003	G.V. Day

Geranium columbinum Linnaeus
Long-stalked Crane's-bill

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1953**

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 south east of the county. It has not been recorded since 1953, and as it is conspicuous and unlikely to be overlooked, is probably 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
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 pyrenaicum Burm. f.
Hedgerow Crane's-bill

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **c. 1973**

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
Clandeboye	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
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

Geranium lucidum Linnaeus
Shining Crane's-bill

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

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

A scarce attractive calcicolous annual species of roadsides, rocky outcrops and walls. It was first noted in 1897, and may be introduced at some of its sites. Most records come from the north-east of the county. This species may be increasing, and is at low risk.

Location	Grid Ref.	Date	Recorder
Thornyford Bridge, River Lagan - bridge and roadsides	J1553	14 May 1999	P. Hackney
3.2km north-east of Dromore	J2254	1957	E.N. Carrothers & J.McK. Moon
Ballynahinch River at Ballynahinch	J365522	20 May 1999	P. Hackney
Crossnacreevy – north side of road near Merryland crossroads, common in hedgerow	J389689	02 Jun 2007	G.V. Day
Killeen Glen, Belmont	J37	1897	S.A. Stewart
Ballymaghan, Belfast – colonising the stony edges of a lane next to a stream	J386762	30 Oct 2005	J. Harron
Stormont Estate	J4074	1911	S.A. Bennett
	J403748	pre-1923	S.A. Moore
abandoned quarry, Craiganee Hill – much a crater recently infilled	J465773	26 Sep 2004	J. Harron
Rockport - stream bank, abundant	J436818	2004	J. Harron
Helen's Bay	J4682	1902	S.A. Moore
	J4682	1968	J. Harron
	J4682	1985	J. Angus
Ballywhite Hill - on roadside	J588535	03 Dec 2001	J. Harron
between Donaghadee & Millisle - gone by 1938	J57	pre-1923	W.J.C. Tomlinson
south-east of Bangor	J57 or J58	1902	S.A. Moore
Gregstown, Newtownards	J50377294	30 May 2001	G.V. Day
Hunt's Park, Donaghadee	J5879	26 Jun 1999	J. Wilde
near Ballywalter	J6269	1902	S.A. Moore

Geranium pusillum Linnaeus
Small-flowered Crane's-bill

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

N.I.: **not listed**
Brit.: **not listed**
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 *CBO Report*

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

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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 House	J412349	06 Jun 1996	W.E. Harrison & J. Harron
	J41343509	30 Sep 2003	G.V. Day
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
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.: **not listed**
Last seen: **2000**

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 has declined greatly, and until recorded in 2000, had not been seen in the county since 1945.

Location	Grid Ref.	Date	Recorder
Annalong	J3719	1883	H.C. Hart
	J3719	1889	Unknown
Murlough NNR - dunes	J33	1985	BSBI
Dundrum	J4038	c. 1878	T.H. Corry
	J4038	1915	N. Carrothers
	J4038	1930s	R.Ll. Praeger
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

Location	Grid Ref.	Date	Recorder
Portaferry, Ards Peninsula	J5950	1806	J. Templeton
	J5950	1945	J.McK. Moon
Ballyhaft Road, Ards Peninsula, perhaps introduced with builder's sand	J526726	24 May 2000	G.V. Day

Erodium lebelii Jordan
Sticky Stork's-bill

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

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

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, and 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
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
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

APIACEAE

Hydrocotyle ranunculoides Linnaeus
Floating Pennywort

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

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

A highly invasive aquatic neophyte, that was first found in Ireland at Glastry in 2002.

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

Eryngium maritimum Linnaeus
Sea-holly

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
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
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	J458353	17 Sep 1997	P. Hackney
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, Clanmaghery	J4635	1878	T.H. Corry
	J460354	16 Apr 1997	P. Hackney
	J45993549	22 Jun 2002	G.V. Day
Cultra	J417812	Aug 2000	J. Semple
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

Chaerophyllum temulum Linnaeus
Rough Chervil

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1986**

An introduced biennial plant of hedgebanks and thickets near Lough Neagh and at Rostrevor. It was first recorded at Annaghdroghal in 1935 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.

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.: **not listed**
Local: **1**

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

Location	Grid Ref.	Date	Recorder
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

Oenanthe fistulosa Linnaeus
Tubular Water-dropwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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. 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
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
Ardigon Lough, west of Donard View	J487538	22 Jul 1988	W.E. Harrison & J. Harron

Apium graveolens Linnaeus
Wild Celery

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** 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 *This record requires confirmation*	J358337	02 Jun 1994	Water Management Unit, EHS
Maghera Bridge *This record requires confirmation*	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 *This record requires confirmation*	J407391	02 Jun 1994	Water Management Unit, EHS
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

Ligusticum scoticum Linnaeus
Scots Lovage

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **1** Last seen: **2007**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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 may now be confined to the Copeland Islands. This species is endangered, and numbers are very limited.

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	J558837	1966	J. Harron

Location	Grid Ref.	Date	Recorder
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.: **not listed**
Local: **1**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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 probably endangered.

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
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
Knockinelder	J6351	1945	J.McK. Moon
near Ballyhalbert, Ards Peninsula	J6563	pre-1888	S.A. Stewart

GENTIANACEAE

Centaurium pulchellum (Sw.) Druce
Lesser Centaury

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

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

A native annual of open grassy places by the sea. It has been recorded once, almost certainly in error.

Location	Grid Ref.	Date	Recorder
Ardglass to Sheepland Beg, Strangford Lough *This record requires confirmation*	J53	11 Jun 1985	S.J. Leach & S.A. Wolfe-Murphy

Gentianella campestris (Linnaeus) Börner
Field Gentian

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

A scarce, attractive native biennial species, that occurs in open situations around the coast, and on the basaltic hills. It was first recorded in 1796 at Holywood, and has two main centres of distribution; at Conlig lead mines, where it was last recorded in 2003, and around Murlough, where it was last seen in 1992. This species is no longer found at almost all of its old stations, and is now endangered.

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
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
Kinnegar	J3978	1887	R.Ll. Praeger
shore at Holywood	c. J3979	pre-1864	G. Dickie
Murlough NNR – fore dunes	J40253372	29 Jul 2006	I. Rippey
Ballykinler dunes	J4337	1894 & 1900	C.H. Waddell
Ballyhassen Wood, Quoile	J496477	pre-1977	EHS
Holywood 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	J4976	c. 1878	T.H. Corry
	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
between Bangor & Crawfordsburn, by shore	J48	pre-1888	Prof. Cunningham
near Groomsport, Belfast Lough	J5383	1902	W. Porter

SOLANACEAE

Hyoscyamus niger Linnaeus
Henbane

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

N.I.: **not listed**
Brit.: **not listed**
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 is a declining casual in many of its stations, but is regularly recorded at Benderg Bay on an eroding sandy slope.

Location	Grid Ref.	Date	Recorder
Greencastle	J21	pre-1938	*Praeger & Megaw 1938*
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
Groomsport	J58	pre-1938	*Praeger & Megaw 1938*
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
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

CONVOLVULACEAE

Calystegia soldanella (Linnaeus) R. Br.
Sea Bindweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
Ballyhornan	J5942	1953	BNFC
Benderg Bay	J6042	1878	T.H. Corry
	J605433	16 May 2000	BSBI
Killard Point, Strangford Lough	J6143	1911	S.A. Bennett
	J6143	1970-1991	R.J. Bleakley

Location	Grid Ref.	Date	Recorder
Portavogie, Ards Peninsula	J6659	1946	E.N. Carrothers, R.D. Meikle & J.McK. Moon

Calystegia sepium (Linnaeus) R. Br. ssp. ***roseata*** Brummitt

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
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

CUSCUTACEAE

Cuscuta epithymum (Linnaeus) Linnaeus
Dodder

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2001**

A rare native annual parasitic plant with fine reddish entwining stems. It is parasitic on *Thymus polytrichus*, *Lotus corniculatus*, *Ononis repens*, *Gallium 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, and to Cloghy dunes. 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 *C. trifolii*
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
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

MENYANTHACEAE

Nymphoides peltata Kuntze
Fringed Water-lily

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

N.I.: **not listed**
Brit.: **not listed**
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. It is mainly found in the area around Belfast and is spreading. It is a deliberate introduction at some of the sites listed below.

Location	Grid Ref.	Date	Recorder
River Lagan near Lurgan - gone long since	J15	pre-1836	*Mackay 1836*
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
Interlaken Lough near Carryduff	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
Lagan Canal and river from first lock to lock-keeper's cottage above second lock	J37	pre-1836	*Mackay 1836*
	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

BORAGINACEAE

Echium vulgare Linnaeus
Viper's-bugloss

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**
N.I. Species of Conservation Concern March 2004

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 has declined 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
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 - 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 ASSI	J3933	13 Jun 2004	G.V. Day
Murlough	J4134	1954-1956	D. Linton & M.E.S. Morrison
Murlough House	J4135	21 May 1992	M. Flatt
disused railway north of Dundrum town	J4036	1970	J. Harron
Dundrum Bay	J43	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
Tyrella area	J47713649	22 Jun 2002	G.V. Day
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

Mertensia maritima (Linnaeus) Gray
Oysterplant

Euro.: **not listed** N.I.: **WO 1985**
Ir.: **RDB Rare, FPO** Brit.: **not listed**
Local: **2** Last seen: **2005**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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. It is interesting to note that the most northerly record in Down was made in 2001. 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

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
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
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
Craigalea Rocks, 1.5km south-east of Ballykinler	J448351	1997	R. Irvine
	J449351	15 Jul 1997	W.I. McNeill & R. Irvine
Ringsallin Point, Clanmaghery	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
Ballyvaston area	J50253609	24 May 2001	M. Wright
Rossglass	J5135	1902	R.Ll. Praeger
Sandy Port, St. John's Point - 2 plants only	J523335	07 Jun 1995	P. Hackney

Location	Grid Ref.	Date	Recorder
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 *Praeger 1934*
Knockinelder Bay, Ards Peninsula	J6351	1902	S.A. Moore
Kearney NT, Ards Peninsula - c. 20 plants	J64905138	26 Jul 2001	G.V. Day & J.W.D. Semple

Myosotis ramosissima Rochel
Early Forget-me-not

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

A scarce, small native annual that usually occurs in coastal situations on dry sand dunes and other dry sandy habitats. This species is restricted to the south-east of the county, where it was first recorded in 1894. It 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
Murlough NNR	J3933	20 May 1992	J.A. Lister
	J3933	10 Jun 2001	G.V. Day
	J40223398	18 May 2003	BSBI
	J402339	17 Apr 2006	G.V. Day
Murlough NNR - dunes - one plant on sandy track	J410346	06 Jun 1996	W.E. Harrison & J. Harron
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 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
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
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

Location	Grid Ref.	Date	Recorder
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.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
Murlough	J4134	1866	S.A. Stewart
	J4134	1878	T.H. Corry
	J4134	1954-1956	D. Linton & M.E.S. Morrison
Ballykinler	J4234	1894	C.H. Waddell
Dundrum Bay	J43	1793	J. Templeton
Ringsallin Point, Clanmaghery	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
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
Kircubbin, Strangford Lough	J5962	11-12 Dec 1985	Habitat Survey Team, EHS
Portavoe, 2.5km east of Bangor	J5682	1867	S.A. Stewart

Location	Grid Ref.	Date	Recorder
Donaghadee	J5980	1867	S.A. Stewart
Killard NNR, Strangford Lough	J6043	15 Jun 1997	BSBI
	J6043	04 Jun 2005	G.V. Day
Killard Point, Strangford Lough	J6143	18 Jun 1983	J. Wilde
	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
Mill Quarter Bay, Strangford Lough	J6044	1878	T.H. Corry
Benderg Bay	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

LAMIACEAE

Ballota nigra Linnaeus
Black Horehound

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

N.I..: **not listed**
Brit.: **not listed**
Last seen: **2005**

An archaeophyte that has declined. It is usually found on waste ground and by paths.

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
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
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 amplexicaule Linnaeus
Henbit Dead-nettle

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1998**

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. It may still be found on the Ards Peninsula and in north Down.

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
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
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
Millisle, Ards Peninsula	J5975	1984	P. Hackney
Groomsport railway station	J531786	1908	W.J.C. Tomlinson
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
Millin Bay, Ards Peninsula	J632498	09 Sep 1991	J. Harron
Kearney (National Trust), Ards Peninsula	J6552	1984	P. Hackney
Ballywalter, Ards Peninsula	J6369	pre-1895	R.Ll. Praeger

Galeopsis speciosa Mill.
Large-flowered Hemp-nettle

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1965**

An archaeophyte annual weed found on arable land on peaty soils. It has always been very rare, being restricted to the peatland in north Down and at Carlingford Lough, and may be extinct now.

Location	Grid Ref.	Date	Recorder
Dead Man's Island, Carlingford Lough	J244124	1946	R.D. Meikle
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

Location	Grid Ref.	Date	Recorder
Conlig	J4976	1893	S.A. Stewart
Loughriscouse, 1km east of Newtownards	J5274	1946	R.D. Meikle
Six Road Ends	J5278	1893	S.A. Stewart

Galeopsis bifida Boenn.
Bifid Hemp-nettle

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1988**

A scarce, native annual of cultivated and waste ground and sometimes occurs in woodland clearings and by water. It has a widespread distribution mainly in the west of the county, and seems to have recently declined markedly, with no further records after a run in the 1980s. This species has probably declined because of tidying up of marginal land and use of herbicides. It may suffer further losses and is endangered.

Location	Grid Ref.	Date	Recorder
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
Carys Fort, Clontaghnaglar	J437544	07 Oct 1988	J. Harron

Clinopodium ascendens (Jord.) Samp.
Common Calamint

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

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

CALLITRICHACEAE

Callitriche palustris Linnaeus

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

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

This species has been recorded once (date unknown) from Moyallan, Upper Bann valley, almost certainly in error. The only confirmed Irish record is in county Clare.

Callitriche brutia Petanga
Pedunculate Water-starwort

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

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

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
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
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

SCROPHULARIACEAE

Linaria repens (Linnaeus) Mill.
Pale Toadflax

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

An archaeophyte perennial 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 2003 only one plant was found at this site. The county population of this species appears to be declining.

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
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

Melampyrum sylvaticum Linnaeus
Small Cow-wheat

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

N.I.: **WO 1985**
Brit.: **not listed**
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 rostkoviana Hayne

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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. Brenan det. H.W. Pugsley

Euphrasia anglica Pugsley

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1939**

A small native annual found on short-grazed grassland, including heaths and pastures. 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
north of Kilfeaghan	J2216	1939	Unknown det. H.W. Pugsley

Euphrasia confusa Pugsley

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2007**

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
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

Location	Grid Ref.	Date	Recorder
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
Ballagh Bridge, Crock Horn stream – on banks	J381250	15 Aug 2004	J. Harron
Slieve Croob	J303460	29 Aug 1991	W.E. Harrison & J. Harron
	J317448	28 Aug 2000	J. Harron
Scrabo Quarries	J476730	1959	M.P.H. Kertland det. P.F. Yeo
Conlig	J5078	1959	BNFC
Butterlump rock near Ballyhalbert, Ards Peninsula	J6661	pre-1938	R.Ll. Praeger

Euphrasia scottica Wettst.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2005**

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
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

Parentucellia viscosa (Linnaeus) Caruel
Yellow Bartsia

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
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 in 1999 at Cunningburn Mill near Newtownards. It has not since been recorded at either site despite searching. The county population of this species is endangered.

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
Yellow-rattle

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2004**

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
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
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
Carrintaggart	J562469	25 Jun 2002	J. Harron
Cotton Moss	J5379	1902	R.Ll. Praeger det. F.H. Perring
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

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2002**

A native, usually perennial, plant that has been found on blanket bog in the Mournes. 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
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

OROBANCHACEAE

Orobanche alba Stephan ex Willd.
Thyme Broomrape

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **1980s**

A distinctive native plant that is parasitic on *Thymus polytrichus*. It was recorded from sand dunes at Killard Point, but has not been seen since the 1980s. This species may be 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
	J64	1980s	Various reports

LENTIBULARIACEAE

Utricularia australis R. Br
Bladderwort

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

N.I.: **not listed**
Brit.: **not listed**
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 Bladderwort

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

This refers to a complex group of three native aquatic insectivorous species. 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

CAMPANULACEAE

Lobelia dortmanna Linnaeus
Water Lobelia

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1996**

A scarce, native perennial plant found in nutrient poor waters at the margins of loughs or shallow loughs. It was first recorded about 1694 by Sherard and was formerly more common in lowland loughs, but has declined, probably as a result of eutrophication. It is now mainly an upland species. It is present in the south-east of the county about the Mournes and close to Newry. Eutrophication will continue to affect lowland populations and the species is 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

Location	Grid Ref.	Date	Recorder
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
Altnadua Lough	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

RUBIACEAE

Galium boreale Linnaeus
Northern Bedstraw

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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 uliginosum Linnaeus
Fen Bedstraw

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2001**
N.I. Species of Conservation Concern March 2004

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. It has since been found at sites that are mostly in the south of the county. The population of this species may be at low risk as some of these sites are protected. Earlier reports were dismissed as errors by Praeger. There are currently no voucher specimens in the Ulster Museum 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
Quoile Pondage Nature Walk	J4946	01 May 2001	BNFC
Killavees North fen	J51034492	30 Aug 1993	Fenbase Survey det. M. Bailey
Dibney River, Killyleagh	J55	05 Mar 1972	J. Harron
Light House (John's) Island	J597858	07 Jul 1999	G.V. Day
Tullykevin, 2.5km west of Ballywalter	J603696	12 Jun 2000	G.V. Day
Gransha, Strangford Lough	J6060	11 Aug 2000	G.V. Day

Galium mollugo Linnaeus
Hedge Bedstraw

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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.

Location	Grid Ref.	Date	Recorder
Kilmore House	J0962	1915	BNFC
Aghaderg Glebe - lawn	J1141	1897	H.W. Lett
	J1141	c. 1926	S.A. Bennett
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
Tillysburn Nature Park	J3876	11 Aug 2001	BSBI
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
Killard, Strangford Lough - roadside - not re-found since, last visit 2004	J64	1980	R.S. Weyl

Galium sterneri Ehrend.
Limestone Bedstraw

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

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

ADOXACEAE

Adoxa moschatellina Linnaeus
Moschatel

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

N.I.: **WO**
Brit.: **not listed**
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

VALERIANACEAE

Valerianella carinata Loisel.
Keeled-fruited Cornsalad

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

N.I.: **not listed**
Brit.: **not listed**
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
Holywood 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 Holywood 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.: **not listed**
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

ASTERACEAE

Carlina vulgaris Linnaeus
Carline Thistle

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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 low risk at some of the extant sites where it is protected.

Location	Grid Ref.	Date	Recorder
Newcastle dunes	J3731	1951	J.E. Greer
Murlough ASSI - dunes	J3933	13 Jun 2004	G.V. Day
	J399338	17 Apr 2006	G.V. Day
Murlough House	J4134	1934-1936	R.Ll. Praeger
	J4133	21 May 1992	J.A. Lister
Murlough	J4134	1920	S.A. Bennett & C.D. Chase
	J4134	1954-1956	D. Linton & M.E.S. Morrison

Location	Grid Ref.	Date	Recorder
Ballykinler	J4235	1894	C.H. Waddell
	J427354	Apr 2000	R.S. Weyl
Tyrella dunes	J4636	1979	P. Hackney
	J4736	1979	P. Hackney
	J4736	19 Aug 2006	BNFC
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.: **not listed**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1998**

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, is not segregated in the current standard flora (Stace, 1999) 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
Benderg Bay	J64	pre-1895	S.A. Stewart

Saussurea alpina (Linnaeus) DC.
Alpine Saw-wort

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

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 Mournes. 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. There is a strong possibility that the species is now 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

Cirsium dissectum (Linnaeus) Hill
Meadow Thistle

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

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

A plant which is generally only sparsely distributed in the eastern half of Northern Ireland, becoming much commoner further west. Local in county Down, and only known from the Mourne and Slieve Croob areas, 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
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
Cratlieve, near Slieve Croob	J287448	13 Jul 1972	J. Harron
Silent Valley, Mourne Mountains	J32	16 Aug 2000	G.V. Day & P. Hackney
Tullybrannigan, Mourne Mountains	J356307	21 Aug 1990	C. Wilson & C. Byrne
Ballynahinch River at Leggycurry	J45G	28 Jun 1987	J. Harron
north-west side of Conlig Hill	J4976	1945	R.D. Meikle

Leontodon autumnalis Linnaeus ssp. ***pratensis*** (Hornem.) Gremli

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 overlooked and is not segregated in the current standard flora. The current population and distribution of this subspecies are uncertain.

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** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** 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 *This record requires confirmation*	J492763	24 Jun 1997	M. Wright

Tragopogon pratensis Linnaeus
Goat's-beard

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2007**

A scarce annual to perennial plant found on railway banks, disturbed and waste ground. It was first recorded before 1938 and was noted in Praeger & Megaw (1938) to be a colonist from southern parts of Ireland where it is native. Most records, including recent ones, come from the Belfast area. It is probably a fairly recent introduction in the north-east of Ireland, associated with railway lines. The species was affected by the relaying of the Belfast-Bangor line, and appears to have survived only at Sydenham Station. Recently, a plant identified as subspecies *minor* has been located in Newtownards, again close to the site of a previous railway line, although it may have been introduced (see below).

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
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
Kinnegar	J3978	1954-1958	D.S. Lambert
	J3978	1968	D.S. Lambert
	J3978	1989	A.G. Hill
Holywood Station	J394791	2000	R.S. Weyl
old railway at Knock	J37 or J47	1970s	D.S. Lambert

Tragopogon pratensis Linnaeus ssp. ***minor*** (Miller) Wahlenb.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **2004**

Location	Grid Ref.	Date	Recorder
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. 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 gain inclusion here only because of insufficient recording and collecting. Records without vouchers are deemed unacceptable. All vouchers are in **BEL**. Further work is required.

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 oxoniense Dahlst.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 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
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 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 stictophyllum Dahlst.

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

N.I.: **not listed**
Brit.: **not listed**
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 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 bracteatum Dahlst.

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

N.I.: **not listed**
Brit.: **not listed**
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 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 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 unguilobum Dahlst.

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

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

Wet dunes and grassy habitats.

Location	Grid Ref.	Date	Recorder
Glassdrumman - seaside turf	J32	1975	D.S. Lambert

Location	Grid Ref.	Date	Recorder
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

Taraxacum pseudohamatum Dahlst.

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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

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 alatum 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
beside old railway line at Knock	J47	1973	D.S. Lambert

Taraxacum pannulatiforme 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 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 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 stenacrum 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
Castlehill Road, Belfast	J394746	1977	D.S. Lambert

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 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 sellandii Dahlst.

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

N.I.: **not listed**
Brit.: **not listed**
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 exsertum Hagendijk, Van Soest & Zevenbergen

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 lingulatum Marklund

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1976**

Grassy places, dunes.

Location	Grid Ref.	Date	Recorder
Nicholson's Point - sand dunes	J2911	1976	P. Hackney

Taraxacum procerisquameum H. Öllgaard

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 cordatum Palmgren

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 ekmanii Dahlst.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1976**

Grassy places, roadsides.

Location	Grid Ref.	Date	Recorder
Greencastle Harbour - sandy ground	J21	1976	P. Hackney

Taraxacum dilatatum H. Lindb.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** 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 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 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 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
Knock	J47	1978	D.S. Lambert
Annadale - overgrown refuse tip	J3470	1973	P. Hackney
Saintfield	J45	1896	C.H. Waddell
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 xanthostigma 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
bank beside River Lagan at Shaw's Bridge	J3269	1973	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

Crepis mollis (Jacq.) Asch.
Northern Hawk's-beard

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

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

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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
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
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.

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

The next two species only listed below are from the above Section

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 *Carrothers & Moon 1930*	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 *This record requires confirmation*	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 latobrigorum (Zahn) Roffey

Euro.: **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 *Davies 1902*	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

Location	Grid Ref.	Date	Recorder
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 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 argenteum Fr.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** Last seen: **1890**

Only in the Mourne Mountains on granite or shale. Not seen since 1900; possibly extinct in Tollymore Park where the Shimna River is now heavily shaded by trees and rhododendrons.

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 subrude (Arv.-Touv) Arv.-Touv

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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 orimeles F.J. Hanbury & W.R. Linton

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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 *Praeger 1942*	J32	pre-1890	S.A. Stewart & R.Ll. Praeger
Mourne Mountains (probably the Bencrom site above)	unknown	1889	R.Ll. Praeger

Hieracium duriceps F.J. Hanbury

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct?** 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 grandidens Dahlst.

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

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
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
Ballywalter Park, Ards Peninsula - demesne wall	J6268	1983	P. Hackney

Hieracium cinderella Ley

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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 euprepes*' F.J. Hanbury

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** 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 vulgatum Fr.

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **1991**

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
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 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 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 hibernicum F.J. Hanbury var. ***hibernicum***

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** 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, Mournes	J2219	1883	H.C. Hart
	J2219	1891	F.J. Hanbury

Hieracium uigenskyense Pugsley

Euro.: **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

Hieracium stewartii (F.J. Hanbury) Roffey

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** 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.

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

Filago vulgaris Lamarck
Common Cudweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1996**

A 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. The population status of this species is endangered.

Location	Grid Ref.	Date	Recorder
Rostrevor	J11	pre-1888	S.A. Stewart
Lough Island Reavy	J2934	pre-1923	R.Ll. Praeger
Newcastle - Castlewellan - 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
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

Filago minima (Sm.) Pers.
Small Cudweed

Euro.: **not listed**
Ir.: **RDB Rare, FPO**
Local: **2**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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, now being confined to the south of the county about Murlough and at Carlingford Lough. 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
Newcastle Golf Club	J3832	30 Jun 1926	H.D. Megaw
Murlough NNR	J3933	1992	J.A. Lister, P. Jackson & M. Flatt
	J39763368	10 Jun 2001	G.V. Day

Location	Grid Ref.	Date	Recorder
Murlough ASSI, dunes	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
Kinnegar	J3978	1886	R.Ll. Praeger
Murlough House	J4135	21 May 1992	M. Flatt
Ballykinler	J4234	1894	C.H. Waddell
Ringsallin dunes	J4635	1906	W.J.C. Tomlinson

Antennaria dioica (L.) Gaertner
Mountain Everlasting

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1998**

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 three areas: Conlig Hill, Quoile and Killard/Benderg. Changes in grassland management and/or increased sheep grazing 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
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
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 Point	J6143	1979	P. Hackney

Gnaphalium sylvaticum Linnaeus
Heath Cudweed

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare, FPO** Brit.: **not listed**
Local: **1** Last seen: **1988**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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	*Stewart & Praeger 1892*
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
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 acer Linnaeus
Blue Fleabane

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Vulnerable** Brit.: **not listed**
Local: **1** Last seen: **1992**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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

Seriphidium maritimum (Linnaeus) Polj.
Sea Wormwood

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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
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
	J53563450	17 Dec 2006	G.V. Day

Chamaemelum nobile (Linnaeus) All.
Chamomile

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1893**

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, occurring only at three disparate locations. It is now extinct in the county.

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

Anthemis arvensis Linnaeus
Corn Chamomile

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1945**

An archaeophyte casual annual of light sandy soils, found in arable fields and waste ground. This species has always been rare and was last recorded in 1945. It is now extinct in the county.

Location	Grid Ref.	Date	Recorder
Strangford Lough shores	unknown	pre-1888	*Stewart & Corry 1888*
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
Ballymacarret, Belfast	J3574	1915	N. Carrothers
Ballykinler - field	J43	pre-1895	R.Ll. Praeger
Ballyblack, Ards Peninsula	J5573	1945	R.D. Meikle

Senecio fluviatilis Wallr.
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 has become naturalised on the River Lagan bank at Belvoir, and may also be found on wet grassland and waste ground.

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.: **not listed**
Local: **2**

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

Location	Grid Ref.	Date	Recorder
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

Location	Grid Ref.	Date	Recorder
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
The Broad Cove, Ballaghanery Upper Td.	J3827	04 Aug 1998	P. Hackney
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

LILIIDAE

ALISMATACEAE

Alisma lanceolatum With.
Narrow-leaved Water-plantain

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

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

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. The status of this species is difficult to assess, as it was only recognised as a distinct species in 1952.

Location	Grid Ref.	Date	Recorder
River Bann	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
Green Park Bridge	J175192	28 Jul 1997	Water Management Unit, EHS
Strand Lough - one plant	J535374	01 Aug 2004	R.S. Weyl

HYDROCHARITACEAE

Hydrocharis morsus-ranae Linnaeus
Frogbit

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**

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.

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 Lake (south of road), Ards Peninsula - introduction in 2001	J638628	21 Oct 2001	G.V. Day
	J6363	31 Aug 2002	G.V. Day
	J638628	Sept 2002	G.V. Day

POTAMOGETONACEAE

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 coloratus Hornem.
Fen Pondweed

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

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
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 Bishopscourt	J556428	1902	R.Ll. Praeger
Carrowcarlin	J558487	26 Sep 1987	J. Harron
	J5548	1989	R.S. Weyl

Location	Grid Ref.	Date	Recorder
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 lucens Linnaeus
Shining Pondweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1998**

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
Lagan Canal	J37	1894	S.A. Stewart conf. J.E. Dandy
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 ***zizii*** Koch. ex Roth. (*P. lucens* x *P. gramineus*)

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

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

A rare hybrid, found in slow streams.

Location	Grid Ref.	Date	Recorder
Lough Neagh	J0763	1913	S.A. Bennett *(Hackney 1992 states S.A .Stewart but this is an error)*
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
Shaw's Bridge, River Lagan – below bridge	J325692	1952	G. Taylor
Lough Money	J532461	1986	R. Weyl conf. C.D. Preston

Potamogeton gramineus Linnaeus
Various-leaved Pondweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1996**

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
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. Brenan
	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

Potamogeton x ***nitens*** Weber (*P. gramineus* x *P. perfoliatus)*

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1938**

A rare hybrid, first found in 1887 and last seen 1938. It may still be present in the county and overlooked, but is probably extinct.

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

Location	Grid Ref.	Date	Recorder
Lough Aghery	J2953	1887	S.A. Stewart conf. J. E. Dandy
Annsborough Lake	J3637	pre-1895	S.A. Stewart det. S.A. Bennett

Potamogeton alpinus Balbis
Red Pondweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1999**

A scarce, native aquatic perennial that has occurred in loughs and slow-moving water. It was first recorded in 1866 from the Lagan Canal, but has not since been recorded from this and some early stations, and appears now to be absent from streams, rivers and canals, probably due to eutrophication. However, it has been found at some new locations, mostly in the centre of the county, but may also suffer losses from these sites for the same reason. 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
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. Brenan 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
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	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
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 praelongus Wulfen
Long-stalked Pondweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1989**

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. However, it has not been seen since then and 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
in two of the Ardigon loughs between Killyleagh and Crossgar	J4953	1986	J. Harron
Tullyveery Lough	J498551	1989	N.I. Lake Survey
Mill Pond, Tullyveery	J517542	18 Jul 1989	N.I. Lake Survey

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: **1990s**

Abundant locally and 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
Shaw's Bridge, River Lagan	J35690	1990s	C.D. Preston
River Lagan	J3369	1975	P. Hackney
River Lagan	J3469	1975	P. Hackney
Belvoir Park Forest, beside Lagan	J340697	Aug 1974	P. Hackney
Stranmillis to Magheralin	J37	unknown	Unknown

Potamogeton friesii Rupr.
Flat-stalked Pondweed

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** 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 Lough Leagh. It may still be present at this site, and if so is probably endangered due to eutrophication.

Location	Grid Ref.	Date	Recorder
Lough Leagh, Clea Lakes	J507558	1986	J. Harron

Potamogeton filiformis Pers.
Slender-leaved Pondweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1991**

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
Legmore Quarry	J135611	07 Jun 1988	N.I. Lake Survey

RUPPIACEA

Ruppia maritima Linnaeus
Beaked Tassel-weed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2006**

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 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
north side of Rolly Island, Strangford Lough	J520650	Sep 1974	O. Morton
Greyabbey Lake (Bird Sanctuary)	J582675	19 Jul 1989	N.I. Lake Survey
shore opposite 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	06 Aug 2006	G.V. Day & J.D. Nunn
Blackstaff Bridge, Blackstaff River	J605596	1890	R.Ll. Praeger
	J605596	1935-1937	R.Ll. Praeger

Ruppia cirrhosa (Petagna) Grande
Spiral Tassel-weed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2002**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

A scarce, native perennial aquatic that is more tolerant of saline conditions than *Ruppia cirrhosa* 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. The county population of this species may be endangered due to continued development.

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	J557687	2002	R.S. Weyl

LEMNACEAE

Lemna gibba Linnaeus
Fat Duckweed

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1997**

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. 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
Steenson's Bridge, Drummiller	J0731	07 Sep 1997	J.S. Faulkner, P. Hackney & G.V. Day
Shan Port, Lough Neagh	J0763	01 Aug 1971	M.P.H. Kertland & D.S. Lambert
Annaghdroghal, Lough Neagh	J0863	pre-1923	J.D. Houston
	J0763	1986	J. Harron
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: upstream	J430419	22 Jul 1996	P. Randall & J. Preston
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
Rainey Island, Strangford Lough	J525632	20 Sep 1985	Habitat Survey Team, EHS

Location	Grid Ref.	Date	Recorder
Ballycroghan, Bangor	J58	pre-1888	R.Ll. Praeger

Lemna minuta Kunth
Least Duckweed

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

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

A neophyte floating aquatic that occurs in still and slow-moving waters of ponds, streams and rivers. This species is spreading rapidly and has been found at several sites in the north of the county.

This species has been deleted from the Register as it has now been found in more sites such that it exceeds the criteria for inclusion.

Juncus ambiguus Guss.
Frog Rush

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1999**

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. The county population appears to be very small, but it may be over-looked and there is insufficient information to identify trends. However, the population does not appear to be vulnerable as its stations are not likely to be developed.

Location	Grid Ref.	Date	Recorder
Island Hill, Strangford Lough	J483685	20 Oct 1973	J. Harron
Castle Espie, Strangford Lough	J490674	Jul 1981	J. Harron
Strangford Lough shore at Newtownards	J492720	26 Jul 1991	J. Harron
Killyleagh	J523515	17 Sep 1990	W.E. Harrison & J. Harron
Island Reagh, Strangford Lough	J523644	Jul 1981	J. Harron
Orlock Point, Belfast Lough	J5583	1981	J. Harron
Ballywalter, Ards Peninsula	J6269	1914	C.H. Waddell
Burr Point, Ballyhalbert, Ards Peninsula - shore	J663630	15 Aug 1990	J. Harron
coast north of Ballywalter, Ards Peninsula	J67F	12 Sep 1999	J. Harron

Juncus alpinoarticulatus Chaix
Alpine Rush

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

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

This montane species, only apparently recorded from Tieveshilly (Ards Peninsula) in September 1991, was probably identified in error.

Luzula multiflora (Ehrh.) Lej. ssp. ***multiflora***
Heath Wood-rush

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

A native rhizomatous perennial found on mainly acidic soils (but less markedly calcifuge than ssp. *congesta*) in open and shaded areas of grassland, heaths, and woods. Few recorders have bothered to distinguish the subspecies of *Luzula multiflora*, but it appears that ssp. *multiflora* is much the rarer of the two found in county Down, probably because the soils of the county are generally too acidic. The subspecies *congesta*, by contrast, is very widespread and abundant.

Location	Grid Ref.	Date	Recorder
Murlough NNR	J4033	18 Mat 2003	BSBI
Clandeboye Estate	J4779	02 Jul 2002	G.V. Day
	J4879	02 Jul 2002	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.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
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 *Praeger 1937*	J37	pre-1825	J. Templeton
	J3877	1937	R.Ll. Praeger
Kinnegar	J3978	1937	R.Ll. Praeger

Eleocharis acicularis (Linnaeus) Roemer & Schultes
Needle Spike-rush

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **1971**

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 1971, and may be 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
	J0863	1969 to 1971	J. Harron

Scirpus sylvaticus Linnaeus
Wood Club-rush

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2005**

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
Shan Port to Kinnegoe Point	J065630	16 Jun 1988	Habitat Survey Team, EHS

Location	Grid Ref.	Date	Recorder
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
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
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	J343705	12 Jun 2001	S. Beesley & J. Wilde
	J343705	15 Jun 2001	J. Wilde

Cladium mariscus (Linnaeus) Pohl
Great Fen-sedge

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

N.I.: **not listed**
Brit.: **not listed**
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 while lost from some stations, has been found at others. The county population of this species, while small, appears to be at low risk.

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
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

Location	Grid Ref.	Date	Recorder
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 spicata Huds.
Spiked Sedge

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

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

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 1950 and may be transient at its stations, perhaps because it is unable to withstand much competition. The county population of this species is vulnerable.

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
north of old Quoile Bridge	J492469	06 Sep 2004	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 muricata Linnaeus ssp. ***lamprocarpa*** Celak

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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 *This record requires confirmation*	J501584	1968	W. Stewart

Carex acutiformis Ehrh.
Lesser Pond-sedge

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1917**

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 most sites. It has not been seen since 1917 and is extinct in the county.

Location	Grid Ref.	Date	Recorder
Annaghdroghal, Lough Neagh - not seen since *This record requires confirmation*	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 *Stewart & Corry 1888* *This record requires confirmation*	unknown	05 Jun 1810	J. Templeton
Ballygowan Lough, 4.5km north-east of Saintfield *This record requires confirmation*	J46	1845	D. Orr
Conlig Hill *This record requires confirmation*	J491762	1843	D. Orr
Ballywalter Park - cultivated	J627686	1917	C.H. Waddell det. F.H. Perring

Carex pseudocyperus Linnaeus
Cyperus Sedge

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1994**

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
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

Carex strigosa Huds.
Thin-spiked Wood-sedge

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

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

Carex limosa Linnaeus
Bog-sedge

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

N.I.: **not listed**
Brit.: **not listed**
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 aquatilis Wahlenb.
Water Sedge

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

N.I.: **not listed**
Brit.: **not listed**
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 Mournes.

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 acuta Linnaeus
Slender Tufted-sedge

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1999**

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 is now found near the River Lagan around Dromore and Donaghcloney and in the Mournes near Spelga reservoir. The county population of this species is low and may be vulnerable to changes in habitat along the river 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, Mournes	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
left side of Newtownards road near Belfast- now built over	J47	pre-1825	J. Templeton
Ballywalter Park, Ards Peninsula	J6268	1917	BNFC

Carex bigelowii Torrey ex Schweinitz
Stiff Sedge

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1994**

A rare, native rhizomatous perennial found on the summits of a few mountains in the Mournes. 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 Meelbeg, Mourne Mountains	J301278	12 Oct 1994	Habitat Survey Team, EHS
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

Location	Grid Ref.	Date	Recorder
Slieve Donard - regarded as an error in *Stewart & Praeger 1892*	J32	pre-1864	G. Dickie
Slieve Donard, Mourne Mountains - in gully on north side of summit at more than 700m	J355278	10 Sep 1982	J. Harron

Carex pauciflora Lightf.
Few-flowered Sedge

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

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 (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
Rocky River, Mourne Mountains, near base of Pierce's Castle	J237239	03 Sep 1992	J. Harron

POACEAE

Poa palustris Linnaeus
Swamp Meadow-grass

Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **3** 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

Parapholis strigosa (Dumort.) C.E. Hubbard
Hard-grass

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **1999**

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

Location	Grid Ref.	Date	Recorder
County Bridge, near Narrow Water - shore	J1119	1892-1893	R.Ll. Praeger
Narrow Water Castle	J1219	1893	R.Ll. Praeger

Location	Grid Ref.	Date	Recorder
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
Bangor Town - shore by Brompton Road	J49388244	1998	R.S. Weyl
Sea Park Coastal Strip, Crawfordsburn Country Park	J44698271	1997-1998	R.S. Weyl
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
Kircubbin, Strangford Lough	J5963	1918	S.A. Bennett
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
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.: **not listed**
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

Location	Grid Ref.	Date	Recorder
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.: **not listed**
Local: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2003**

An archaeophyte perennial usually found on light disturbed soils including arable, grassland and waste ground. It has only been recorded twice, and may be overlooked elsewhere in the county.

Location	Grid Ref.	Date	Recorder
Lough Island Reavy	J29723426	31 Aug 2003	G.V. Day
Dundrum Coastal Path (Railway Line)	J4138	07 Aug 1997	P. Hackney, G.V. Day & C. Moody

Calamagrostis stricta (Timm.) Koeler
Narrow Small-reed

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

N.I.: **WO**
Brit.: **RDB Near Threatened**
Last seen: **1911**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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.: **not listed**
Last seen: **1927**

An introduced casual annual previously found on waste ground in Belfast.

Location	Grid Ref.	Date	Recorder
near Queen's Quay station, Lagan River	J345745	1915	N. Carrothers
Ballymacarret, Belfast	J3574	1915	N. Carrothers
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

Phleum bertolonii DC.
Smaller Cat's-tail

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2005**

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
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

Phleum arenarium Linnaeus
Sand Cat's-tail

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

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

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. It is absent from dunes of the Ards Peninsula. 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 Point, Strangford Lough	J6143	1911	S.A. Bennett
	J6143	1950	M.P.H. Kertland

Bromus commutatus Schrad.
Meadow Brome

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

N.I.: **not listed**
Brit.: **not listed**
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 *Carrothers et al. 1949*	J6143	1947	R.D. Meikle det. C.E. Hubbard

Bromus racemosus Linnaeus
Smooth Brome

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

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

Bromus hordeaceus Linnaeus ssp. ***ferronii*** (Mabille) P.M. Smith

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

N.I.: **not listed**
Brit.: **not listed**
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: **1952**

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, not having been recorded since 1954. It may be extinct in the county.

Location	Grid Ref.	Date	Recorder
Gilford	J0648	1938	J.P.M. Brenan & N.D. Simpson
Shaw's Bridge, River Lagan - base of wall *This record requires confirmation*	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
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.

Bromopsis erecta (Huds.) Fourr.
Upright Brome

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2001**

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 2001. This species is at low risk at Castle Espie.

Location	Grid Ref.	Date	Recorder
Castle Espie	J4967	Jun 1991	K. Peberdy det. K. Peberdy & P. Hackney
	J49546731	07 Aug 2001	BNFC

Elytrigia repens (Linnaeus) Desv. ex Nevski ssp. ***arenosa*** (Spenn.) Á Löve

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1999**

A rhizomatous perennial that usually occurs on sand by the sea. This is the only Irish record, and it probably resulted from an introduction to this site, which is close to Belfast Docks.

Location	Grid Ref.	Date	Recorder
Tillysburn Lake area, Kinnegar Av., Kinnegar, Holywood	J386781	1999	S.A. Wolfe-Murphy

Elytrigia atherica (Link) Kerguélen ex Carreras Mart.
Sea Couch

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1992**

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. There are also some records from various sites around the coast in 1992 that require confirmation. 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
Dundrum Coastal Path (Railway Line)	J4137	30 Jun 1992	M. Flatt
	J4339	30 Jun 1992	M. Flatt
Craigalea Rocks, 1.5km SE of Ballykinler *This record requires confirmation*	J453352	09 Jul 1992	W.E. Harrison & J. Harron
Ballymacormick Point (ASSI)	J525837	29 Jun 1992	M. Flatt
Orlock Point, Belfast Lough	J560838	29 Jun 1992	J.A. Lister
Ballywalter Beach, The Long Sand, Ards Peninsula	J6268	1914	C.H. Waddell det. P.J.O. Trist

Molinia caerulea (Linnaeus) Moench. ssp. ***arundinacea*** (Schrank) K. Richter

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** 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
Glenfofanny 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 sallows	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

SPARGANIACEAE

Sparganium erectum Linnaeus ssp. ***erectum*** Euro.: **not listed** N.I.: **not listed**
Branched Bur-reed 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.

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
Annacloy	J4448	1934-1937	R.Ll. Praeger
Inch Abbey, Quoile	J4745	1934-1937	R.Ll. Praeger
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 as 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

LILIACEAE

Allium ampeloprasum Linnaeus var. ***babingtonii*** (Borrer) Syme

Wild Leek

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **RDB Nationally Scarce**
Local: **3** Last seen: **1997**

An archaeophyte perennial found in sandy and rocky rough ground near the sea. It has been recorded at three sites in the county, firstly in 1956 at Comber, then in 1971 at Crawfordsburn, and at Delamont near Killyleagh in 1997. It is no longer present at Comber, but may still be found at Crawfordsburn. There is some doubt concerning the identification of these plants, and voucher specimens need to be re-examined.

Location	Grid Ref.	Date	Recorder
Comber River Estuary - casual on distillery waste below railway embankment	J4668	1956	J.S. Pate & B.E.S. Gunning

Location	Grid Ref.	Date	Recorder
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

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: **1998**

Widespread in gardens and frequently introduced in near-garden situations. Only one record for this species at Belvoir Park Estate, on the river bank behind the golf range in Lagan Country Park, as a small clump. It is included here only as it is placed on the CITES list.

Location	Grid Ref.	Date	Recorder
Belvoir Park Estate	J332692	09 Jan 1998	D. Broughton

IRIDACEAE

Sisyrinchium bermudiana Linnaeus
Blue-eyed-grass

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

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

DIOSCOREACEAE

Tamus communis Linnaeus
Black Bryony

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

N.I.: **not listed**
Brit.: **not listed**
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.: **not listed**
Ir.: **RDB Vulnerable**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
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
Creevytenent, Ballynahinch	J3755	1694	W. Sherard

Epipactis palustris (Linnaeus) Crantz
Marsh Helleborine

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

N.I.: **WO**
Brit.: **not listed**
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.: **not listed**
Ir.: **RDB Not Threatened**
Local: **1**

N.I.: **WO**
Brit.: **not listed**
Last seen: **1983**

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. However, it should be adequately protected at the site of its most recent appearance, Rostrevor NNR, although it not been refound since.

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
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	*Hackney 1992*

Listera cordata (Linnaeus) R. Br.
Lesser Twayblade

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1996**

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. It was also found at an ASSI close to Downpatrick. 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	*Stewart & Praeger 1892*
Castle Bog, Mourne Mountains	J230234	25 Jul 1991	C. Wilson & S. Gallagher
	J230235	22 Apr 1991	C. Wilson
Carn Mountain	J2826	1889 or 1890	*Stewart & Praeger 1892*
Slieve Shannagh	J22	1889 or 1890	*Stewart & Praeger 1892*
above Lough Shannagh, Mourne Mountains	J2926	1970-1975	R. Piper
near Lough Shannagh, Mourne Mountains	J296257	13 Jul 1990	C. Wilson & C. Byrne
Ballaghbeg at Newcastle	J32	pre-1864	D. Orr
Slieve Bearnagh	J3128	1889 or 1890	*Stewart & Praeger 1892*
Slieve Bignian	J3323	1889 or 1890	*Stewart & Praeger 1892*
Slieve Commedagh	J3428	1889 or 1890	*Stewart & Praeger 1892*
Slieve Donard, Mourne Mountains	J32	1889 or 1890	*Stewart & Praeger 1892*
	J358277	1992	J.A. Lister , M. Flatt & P. Jackson
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

Spiranthes romanzoffiana Cham.
Irish Lady's tresses

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Rare** Brit.: **not listed**
Local: **1** Last seen: **2003**
N.I. Priority Species March 2004
N.I. Species of Conservation Concern March 2004

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

Hammarbya paludosa (Linnaeus) Kuntze
Bog Orchid

Euro.: **listed only in 1983 legislation in the country lists (under Ireland) as Vulnerable**
N.I.: **WO**
Ir.: **RDB Rare**
Brit.: **not listed**
Local: **1**
Last seen: **2007**
N.I. Species of Conservation Concern March 2004

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

Platanthera bifolia (Linnaeus) Rich.
Lesser Butterfly-orchid

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

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
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

Anacamptis pyramidalis (Linnaeus) Rich.
Pyramidal Orchid

Euro.: **not listed**
N.I.: **not listed**
Ir.: **not listed**
Brit.: **not listed**
Local: **2**
Last seen: **2004**

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 myxomytosis. 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 House	J412349	06 Jun 1996	W.E. Harrison & J. Harron
Ballykinler - coastal and sandy fields	J43	15 Jul 1997	W.I. McNeill & R. Irvine
Craigalea Rocks, 1.5km south-east of Ballykinler	J452352	09 Jul 1992	W.E. Harrison & J. Harron
Ringsallin	J4635	1907	N. Carrothers
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
Rathmullan, Tyrella	J4835	21 Jul 1906	W.J.C. Tomlinson
Minerstown	J43	unknown	Unknown
Murphystown	J494361	1902	R.Ll. Praeger
Craigantlet	J4376	1943	J.McK. Moon
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
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
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
Irish Sea shore, near Kearney	J6552	1917	R.Ll. Praeger

Pseudorchis albida (Linnaeus) Á. & D. Löve
Small-white Orchid

Euro.: **not listed** N.I.: **WO**
Ir.: **RDB Vulnerable; FPO** Brit.: **not listed**
Local: **Extinct** Last seen: **1891**
N.I. Species of Conservation Concern March 2004

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 development.

Location	Grid Ref.	Date	Recorder
Cairngaver Hill	J4576	1883	S.A. Stewart
Conlig Hill	J4877	1891	R.Ll. Praeger

Gymnadenia conopsea (Linnaeus) R. Br
Fragrant Orchid

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **1998**

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
Holywood	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	J4976	24 Jun 1997	M. Wright
	J49027621	1998	R.S. Weyl
	J49227688	1998	R.S. Weyl
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
Whitehills	J5648	1945	E.N. Carrothers, R.D. Meikle & J.McK. Moon

Gymnadenia conopsea (Linnaeus) R. Br. ssp. ***densiflora*** (Wahlenb.) E. G. Camus, Bergon & A. Camus

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **DD** Last seen: **1959**

This subspecies is usually not distinguished by recorders and may be under-recorded. It 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 endangered if not extinct in the county.

Location	Grid Ref.	Date	Recorder
Loughkeelan - south side *Carrothers & Moon 1960*	J564452	1959	R.C. Davidson
Whitehills, Strangford *Meikle 1950*	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.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2002**

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	*Stewart & Praeger 1892*
north of Annalong	J32	1889 or 1890	*Stewart & Praeger 1892*
Ballykinler	J4235	pre-1938	C.R. Nodder
Newtownards	J47	1864	J. Darragh
Holywood - dry pastures	J4079	1886	R.Ll. Praeger
Cairngaver	J4576	pre-1888	R.Ll. Praeger
Conlig Hill	J4877	pre-1895	R.Ll. Praeger
Greyabbey	J577677	02 Oct 1997	J. Harron
Ballyholme mill dam	J58	1915	N.H. Foster
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
Benderg Bay	J60654319	25 Aug 2002	G.V. Day

Dactylorhiza incarnata (Linnaeus) Soó ssp. ***incarnata***

Early Marsh-orchid

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2002**

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 extant at Killard and may still be present at Tyrella. These sites are protected and it is probably at low risk of further loss.

Location	Grid Ref.	Date	Recorder
Tyrella dunes - damp slack	J473362	1979	R. Piper & 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.: **not listed** Brit.: **not listed**
Local: **1** Last seen: **2002**

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
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
Whitehills, Strangford	J566481	1996	T. Ennis

Dactylorhiza incarnata (Linnaeus) Soó ssp. ***coccinea*** (Pugsley) Soó

Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **2** Last seen: **2005**

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
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
Portavogie, Ards Peninsula	J660593	06 Jun 2004	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 Endangered**
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 praetermissa (Druce) Soó Euro.: **not listed** N.I.: **not listed**
Southern Marsh- orchid Ir.: **not listed** Brit.: **not listed**

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.

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 this species and its subspecies *occidentalis* (Pugsley) P.D. Sell from Co. Down (e.g. in Preston *et al*. (2002)) are all errors for *Dactylorhiza purpurella* (Stephenson & T.A. Stephenson) Soo.

Orchis morio Linnaeus
Green-winged Orchid

Euro.: **not listed**
Ir.: **RDB Vulnerable, FPO**
Local: **1**

N.I.: **WO**
Brit.: **not listed**
Last seen: **2005**

A native perennial found on machair at one station only where it has been recorded since 1977. The Killard population is an isolated northerly outlier in Ireland. 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

Ophrys apifera Huds.
Bee Orchid

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

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

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 lost from Moira and has been looked for at St. Patrick's Well, but not re-found. The Belfast Harbour Estate site is due for development, and a licence has been obtained to transplant the orchid. It is probably still present in the Belfast area, and is extant at Killard and near Portavogie. The county population of this species is at low risk at Killard NNR, but vulnerable elsewhere.

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
Belfast Harbour Estate - there are a number of colonies recorded -	J38337794	19 Jun 1992	R.A. Anderson
	J38367798	19 Jun 1992	R.A. Anderson
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;	J384780	19 Jun 1992	R.A. Anderson
	J384781	19 Jun 1992	R.A. Anderson
	J381771	Jul 1996	R. Nicholson & C. Nicholson
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;	J381771	16.Jul 1996	T. Ennis & E. Ennis
	J381771	17 Jul 1996	T. Ennis & R. Piper
	J384781	Jun 1998	B. Simon
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 were flourishing in 2003 (25+ plants).	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

Location	Grid Ref.	Date	Recorder
Belfast Harbour Estate (cont.) two colonies, one of up to 60 plants, the other of 10 plants, first seen in 2002.	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
Tillysburn Nature Park	J382768	21 Jun 1998	G.W. Gordon
	J382767	27 Jun 1999	G.W. Gordon
Knock Golf Course - meadow	J410742	c. 1979	R. Piper
gravel pit, east of Strand Lough	J5357	07 Jun 2004	D. Nixon
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
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
fields at Portavogie - several plants. Not seen here in 2003 or 2004 - 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

CASUAL SPECIES

Asplenium septentrionale (Linnaeus) Hoffm.
Forked Spleenwort
Euro.: **not listed** N.I.: **not listed**
Ir.: **RDB Rare; FPO** 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) *Anon. 1912*	J4057	1912	W.H. Phillips

Ranunculus sardous Crantz
Hairy Buttercup
Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **3** Last seen: **1986**

Rare, probably casual.

Location	Grid Ref.	Date	Recorder
Belfast Docks	J37	1986	S.A. Wolfe-Murphy

Chenopodium polyspermum Linnaeus
Many-seeded Goosefoot
Euro.: **not listed** N.I.: **not listed**
Brit.: **not listed** Ir.: **not listed**
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

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

Salisola kali Linnaeus ssp. ***ruthenica*** (Iljin) Soo
Spineless saltwort
Euro.: **not listed** N.I.: **not listed**
Ir.: **not listed** Brit.: **not listed**
Local: **Extinct** Last seen: **1915**

Salsola kali ssp. *kali* and *S. kali* ssp. *ruthenica* have occurred in county Down. Both are annuals, the former a distinctive native on the upper shore of sand and shingle beaches, and the latter a bushy neophyte casual on waste ground. Some workers have not differentiated between the subspecies, but the majority of records from county Down are probably *S. kali* ssp. *kali*. *Salsola kali* ssp. *ruthenica* 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

Draba muralis Linnaeus
Wall Whitlowgrass

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

N.I.: **not listed**
Brit.: **not listed**
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 *Foster 1918*	J0826	1896	H.W. Lett
0.4km north of Hillsborough station - wall by level crossing *Foster 1918*	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

Crassula tillaea Lest.- Garland
Mossy Stonecrop

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **c. 1994**

This tiny introduced species has been found twice at one site as a casual.

Location	Grid Ref.	Date	Recorder
on two of the paths between the Slieve Donard Hotel, Newcastle and the sea; among the borders etc.	J3831	1991	D. McClintock
	J3831	c. 1994	D. McClintock

Pyrus communis Linnaeus
Pear

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **2000**

An archaeophyte tree that is commonly cultivated. It may be planted or arise by seed.

Location	Grid Ref.	Date	Recorder
Annadale, River Lagan	J3470	18 Jun 1996	P. Hackney, M.D.B. Allen & J. Rutherford
Proposed Nature Park, Harbour Airport, Belfast Harbour Estate	J383780	08 Sep 2000	S.A. Wolfe-Murphy

Lathyrus aphaca Linnaeus
Yellow Vetchling

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

N.I.: **not listed**
Brit.: **not listed**
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 *Brenan & Simpson 1949*	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.: **not listed**
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

Blackstonia perfoliata (Linnaeus) Hudson
Yellow-wort

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

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

An 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.

Location	Grid Ref.	Date	Recorder
Belfast Harbour Estate – thousands of plants	J37487714	22 Jun 2007	R.S. Weyl

Lithospermum purpureocaeruleum Linnaeus
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

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.: **RDB Vulnerable; FPO**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
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: **3**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1953**

An introduced perennial that has occurred once in a chalk quarry as a casual of unknown origin.

Location	Grid Ref.	Date	Recorder
Moira	J16	1953	BNFC

Veronica hederifolia Linnaeus ssp. ***lucorum*** (Klett & Richter) Hartl

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

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1998**

An archaeophyte annual that has only been recorded twice, on both occasions in the Belfast area.

Location	Grid Ref.	Date	Recorder
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 Vulnerable, FPO**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1920**

An attractive introduced perennial that is grown as a garden ornamental. It has been recorded once, and is now extinct at that station.

Location	Grid Ref.	Date	Recorder
Hillsborough demesne	J2458	1920	N.H. Foster

Carduus nutans Linnaeus
Musk Thistle

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

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

Lolium temulentum Linnaeus
Darnel

Euro.: **not listed**
Ir.: **[RDB Extinct]**
Local: **Extinct**

N.I.: **not listed**
Brit.: **not listed**
Last seen: **1871**

An archaeophyte annual that occurred once as a rare casual of arable fields. The Irish Red Data Book lists this as Extinct, but a note published late in the book also says that it was thought to be extinct in Ireland, but has now been refound - presumably in or just before 1988, the publication date of the book.

Location	Grid Ref.	Date	Recorder
field by Belfast Road, west of Newtownards	J47	1871	E.F. Linton

Hordeum secalinum Schreber
Meadow Barley

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

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

Abies alba
Abies grandis
Abies procera
Acaena anserinifolia
Acaena novae-zelandiae
Acaena ovalifolia
Acer campestre
Acer platanoides
Acer pseudoplatanus
Achillea millefolium
Achillea ptarmica
Aconitum napellus
Acorus calamus
Adoxa moschatellina
Aegopodium podagraria
Aesculus hippocastanum
Aethusa cynapium
Agrimonia eupatoria
Agrimonia procera
Agrostemma githago
Agrostis canina
Agrostis capillaris
Agrostis gigantea
Agrostis stolonifera
Agrostis vinealis
Aira caryophyllea
Aira praecox
Ajuga reptans
Alchemilla filicaulis ssp. *vestita*
Alchemilla glabra
Alchemilla xanthochlora
Alisma lanceolatum
Alisma plantago-aquatica
Alliaria petiolata
Allium ampeloprasum var. *babingtonii*
Allium carinatum
Allium oleraceum
Allium scorodoprasum
Allium triquetrum
Allium ursinum
Allium vineale
Alnus cordata
Alnus glutinosa
Alnus incana
Alnus rubra
Alopecurus geniculatus
Alopecurus pratensis
Amaranthus retroflexus
Ambrosia artemisiifolia
Amelanchier lamarckii
Ammophila arenaria
Anacamptis pyramidalis
Anagallis arvensis
Anagallis arvensis ssp. *arvensis*
Anagallis minima
Anagallis tenella
Anchusa arvensis
Anchusa officinalis
Andromeda polifolia
Anemone nemorosa
Anethum graveolens
Angelica sylvestris
Anisantha sterilis
Antennaria dioica
Anthemis arvensis
Anthemis cotula
Anthoxanthum odoratum
Anthriscus caucalis
Anthriscus sylvestris
Anthyllis vulneraria
Antirrhinum majus
Aphanes arvensis
Aphanes inexspectata
Apium graveolens
Apium inundatum
Apium inundatum x *nodiflorum (A.* x *moorei)*
Apium nodiflorum
Aquilegia vulgaris
Arabidopsis thaliana
Arabis hirsuta
Araucaria araucana
Arbutus unedo
Arctium minus agg.
Arenaria balearica
Arenaria serpyllifolia ssp. *leptoclados*
Arenaria serpyllifolia ssp. *serpyllifolia*
Armeria maritima
Armeria maritima ssp. *maritima*
Armoracia rusticana
Arrhenatherum elatius
Arrhenatherum elatius ssp. *bulbosum*
Arrhenatherum elatius ssp. *elatius*
Artemisia biennis
Artemisia vulgaris
Arum italicum
Arum maculatum

Asparagus officinalis ssp. *officinalis*
Asplenium adiantum-nigrum
Asplenium marinum
Asplenium onopteris
Asplenium ruta-muraria
Asplenium septentrionale
Asplenium trichomanes ssp. *quadrivalens*
Asplenium trichomanes ssp. *trichomanes*
Aster lanceolatus x *novi-belgii (A.* x *salignus)*
Aster novi-belgii
Aster tripolium
Athyrium filix-femina
Atriplex glabriuscula
Atriplex laciniata
Atriplex littoralis
Atriplex patula
Atriplex portulacoides
Atriplex prostrata
Aubrieta deltoidea
Aucuba japonica
Avena fatua
Avena sativa
Avena strigosa
Azolla filiculoides
Baldellia ranunculoides
Ballota nigra
Barbarea intermedia
Barbarea verna
Barbarea vulgaris
Bellis perennis
Berberis darwinii
Berberis darwinii x *empetrifolia (B.* x *stenophylla)*
Berberis vulgaris
Berula erecta
Beta vulgaris ssp. *maritima*
Betula jacquemontii
Betula pendula
Betula pendula x *pubescens (B.* x *aurata)*
Betula pubescens
Betula pubescens ssp. *tortuosa*
Bidens cernua
Bidens tripartita
Blackstonia perfoliata
Blechnum cordatum
Blechnum spicant
Blysmus rufus
Bolboschoenus maritimus
Borago officinalis
Botrychium lunaria
Brachyglottis 'Sunshine' (B. compacta x *laxifolia)*
Brachypodium sylvaticum
Brassica napus
Brassica napus ssp. *oleifera*
Brassica rapa
Briza maxima
Briza media
Bromopsis erecta
Bromopsis ramosa
Bromus commutatus
Bromus hordeaceus ssp. *ferronii*
Bromus hordeaceus ssp. *hordeaceus*
Bromus lepidus
Bromus racemosus
Bromus hordeaceus ssp. *hordeaceus* x *lepidus (B.* x *pseudothominei)*
Bryonia dioica
Buddleja davidii
Bupleurum subovatum
Butomus umbellatus
Cakile maritima
Calamagrostis stricta
Calendula officinalis
Callitriche brutia
Callitriche hamulata
Callitriche hermaphroditica
Callitriche obtusangula
Callitriche platycarpa
Callitriche stagnalis
Calluna vulgaris
Caltha palustris
Calystegia pulchra
Calystegia sepium ssp. *roseata*
Calystegia sepium ssp. *sepium*
Calystegia silvatica
Calystegia soldanella
Camelina alyssum
Camelina sativa
Campanula latifolia
Campanula rapunculoides
Campanula rotundifolia
Campanula trachelium
Cannabis sativa
Capsella bursa-pastoris
Cardamine amara
Cardamine corymbosa
Cardamine flexuosa
Cardamine hirsuta
Cardamine pratensis
Cardamine uniflora
Carduus crispus
Carduus nutans
Carduus tenuiflorus
Carex acuta
Carex acutiformis
Carex aquatilis
Carex arenaria
Carex bigelowii
Carex binervis
Carex caryophyllea
Carex curta
Carex diandra

Carex dioica
Carex distans
Carex distans x *viridula (C.* x *binderi)*
Carex disticha
Carex divulsa
Carex divulsa ssp. *divulsa*
Carex echinata
Carex elata
Carex extensa
Carex flacca
Carex hirta
Carex hostiana
Carex hostiana x *viridula (C.* x *fulva)*
Carex hostiana x *viridula subsp. oeducanpa*
Carex laevigata
Carex lasiocarpa
Carex limosa
Carex muricata ssp. *lamprocarpa*
Carex nigra
Carex otrubae
Carex otrubae x *remota (C.* x *pseudoaxillaris)*
Carex ovalis
Carex pallescens
Carex panicea
Carex paniculata
Carex pauciflora
Carex pendula
Carex pilulifera
Carex pseudocyperus
Carex pulicaris
Carex remota
Carex riparia
Carex rostrata
Carex rostrata x *vesicaria (C.* x *involuta)*
Carex spicata
Carex strigosa
Carex sylvatica
Carex vesicaria
Carex viridula ssp. *brachyrrhyncha*
Carex viridula ssp. *oedocarpa*
Carex viridula ssp. *viridula*
Carlina vulgaris
Carpinus betulus
Carpobrotus edulis
Carum carvi
Castanea sativa
Catabrosa aquatica
Catapodium marinum
Catapodium rigidum
Caucalis platycarpos
Cedrus atlantica '*Glauca*'
Centaurea cyanus
Centaurea nigra
Centaurea scabiosa
Centaurium erythraea
Centranthus ruber
Cephalanthera longifolia
Cerastium arvense
Cerastium diffusum
Cerastium fontanum
Cerastium fontanum ssp. *vulgare*
Cerastium glomeratum
Cerastium semidecandrum
Cerastium tomentosum
Ceratocapnos claviculata
Ceratophyllum demersum
Ceratophyllum submersum
Ceterach officinarum
Chaenorhinum minus
Chaerophyllum temulum
Chamaecyparis lawsoniana
Chamaecyparis nootkatensis
Chamaecyparis pisifera
Chamaemelum nobile
Chamerion angustifolium
Chelidonium majus
Chenopodium album
Chenopodium bonus-henricus
Chenopodium ficifolium
Chenopodium polyspermum
Chenopodium rubrum
Chenopodium suecicum
Chrysanthemum segetum
Chrysosplenium oppositifolium
Cicerbita macrophylla
Cichorium intybus
Cicuta virosa
Circaea alpina x *lutetiana (C.* x *intermedia)*
Circaea lutetiana
Cirsium arvense
Cirsium dissectum
Cirsium palustre
Cirsium vulgare
Cladium mariscus
Claytonia perfoliata
Claytonia sibirica
Clematis vitalba
Clinopodium acinos
Clinopodium ascendens
Clinopodium vulgare
Cochlearia anglica
Cochlearia anglica x *officinalis (C.* x *hollandica)*
Cochlearia danica
Cochlearia danica x *officinalis*
Cochlearia officinalis ssp. *officinalis*
Cochlearia officinalis ssp. *scotica*
Coeloglossum viride
Coeloglossum viride x *Dactylorhiza fuchsii (x Dactyloglossum mixtum)*
Conium maculatum
Conopodium majus

Conringia orientalis
Convolvulus arvensis
Conyza canadensis
Cornus alba
Cornus sanguinea
Cornus sericea
Coronopus didymus
Coronopus squamatus
Cortaderia selloana
Corylus avellana
Cotoneaster bullatus
Cotoneaster franchetii
Cotoneaster frigidus
Cotoneaster horizontalis
Cotoneaster integrifolius
Cotoneaster microphyllus agg.
Cotoneaster mucronatus
Cotoneaster simonsii
Cotula squalida
Crambe maritima
Crassula helmsii
Crassula tillaea
Crataegus laciniata
Crataegus laevigata
Crataegus laevigata x *monogyna (C.* x *macrocarpa)*
Crataegus monogyna
Crepis biennis
Crepis capillaris
Crepis nicaeensis
Crepis paludosa
Crepis vesicaria
Crithmum maritimum
Crocosmia masoniorum
Crocosimia paniculata
Crocosmia aurea x *pottsii (C.* x *crocosmiiflora)*
Crocus flavus
Cruciata laevipes
Cryptogramma crispa
Cryptomeria japonica
Cupressus macrocarpa
Cuscuta epilinum
Cuscuta epithymum
Cymbalaria hepaticifolia
Cymbalaria muralis
Cynoglossum officinale
Cynosurus cristatus
Cynosurus echinatus
Cystopteris fragilis
Cytisus scoparius
Cytisus scoparius ssp. *scoparius*
Dactylis glomerata
Dactylorhiza fuchsii
Dactylorhiza fuchsii x *incarnata (D.* x *kerneriorum)*
Dactylorhiza fuchsii x *maculata (D.* x *transiens)*
Dactylorhiza fuchsii x *purpurella (D.* x *venusta)*
Dactylorhiza incarnata ssp. *coccinea*
Dactylorhiza incarnata ssp. *incarnata*
Dactylorhiza incarnata ssp. *pulchella*
Dactylorhiza maculata
Dactylorhiza maculata ssp. *ericetorum*
Dactylorhiza maculata x *Gymnadenia conopsea (*x *Dactylodenia legrandiana)*
Dactylorhiza maculata x *purpurella (D.* x *formosa)*
Dactylorhiza purpurella
Dactylorhiza purpurella x *Gymnadenia conopsea (x Dactylodenia varia)*
Danthonia decumbens
Daphne laureola
Darmera peltata
Daucus carota
Daucus carota ssp. *carota*
Deschampsia caespitosa
Deschampsia caespitosa ssp. *caespitosa*
Deschampsia flexuosa
Descurainia sophia
Dicksonia antarctica
Digitalis purpurea
Diphasiastrum alpinum
Diplotaxis muralis
Dipsacus fullonum
Dipsacus pilosus
Dipsacus sativus
Doronicum pardalianches
Draba muralis
Drosera intermedia
Drosera longifolia
Drosera rotundifolia
Dryopteris aemula
Dryopteris affinis ssp. *affinis*
Dryopteris affinis ssp. *borreri*
Dryopteris affinis ssp. *cambrensis*
Dryopteris carthusiana
Dryopteris carthusiana x *dilatata (D.* x *deweveri)*
Dryopteris dilatata
Dryopteris filix-mas
Dryopteris oreades
Echinochloa colona
Echinochloa crusgalli
Echium vulgare
Elatine hexandra
Elatine hydropiper
Eleocharis acicularis
Eleocharis multicaulis
Eleocharis palustris
Eleocharis palustris ssp. *vulgaris*
Eleocharis quinqueflora
Eleocharis uniglumis
Eleogiton fluitans
Eleusine multiflora
Elodea callitrichoides
Elodea canadensis

Elodea nuttallii
Elymus canadensis
Elymus caninus
Elytrigia atherica
Elytrigia atherica x *repens (E.* x *oliveri)*
Elytrigia juncea
Elytrigia juncea ssp. *boreoatlantica*
Elytrigia juncea x *repens (E.* x *laxa)*
Elytrigia repens
Elytrigia repens ssp. *arenosa*
Elytrigia repens ssp. *repens*
Empetrum nigrum
Empetrum nigrum ssp. *nigrum*
Epilobium alsinifolium
Epilobium brunnescens
Epilobium ciliatum
Epilobium ciliatum x *montanum*
Epilobium ciliatum x *obscurum*
Epilobium ciliatum x *palustre*
Epilobium ciliatum x *parviflorum*
Epilobium hirsutum
Epilobium hirsutum x *parviflorum (E.* x *subhirsutum)*
Epilobium komarovianum
Epilobium montanum
Epilobium obscurum
Epilobium obscurum x *palustre (E.* x *schmidtianum)*
Epilobium palustre
Epilobium parviflorum
Epilobium pedunculare
Epilobium roseum
Epilobium tetragonum
Epipactis helleborine
Epipactis palustris
Equisetum arvense
Equisetum arvense x *fluviatile (E.* x *litorale)*
Equisetum fluviatile
Equisetum hyemale
Equisetum hyemale x *variegatum (E.* x *trachyodon)*
Equisetum palustre
Equisetum pratense
Equisetum sylvaticum
Equisetum telmateia
Equisetum variegatum
Erica cinerea
Erica tetralix
Erica vagans
Erigeron acer
Erigeron karvinskianus
Erinus alpinus
Eriophorum angustifolium
Eriophorum latifolium
Eriophorum vaginatum
Erodium cicutarium
Erodium cicutarium ssp. *cicutarium*
Erodium lebelii
Erodium maritimum
Erodium moschatum
Erophila glabrescens
Erophila majuscula
Erophila verna ssp. *verna*
Eryngium maritimum
Erysimum cheiranthoides
Erysimum cheiri
Escallonia macrantha
Eschscholzia californica
Euonymus europaeus
Eupatorium cannabinum
Euphorbia exigua
Euphorbia helioscopia
Euphorbia paralias
Euphorbia peplus
Euphorbia portlandica
Euphrasia anglica
Euphrasia arctica
Euphrasia arctica ssp. *borealis*
Euphrasia arctica x *micrantha*
Euphrasia arctica x *scottica*
Euphrasia arctica x *tetraquetra (E.* x *pratiuscula)*
Euphrasia confusa
Euphrasia confusa x *micrantha*
Euphrasia micrantha
Euphrasia micrantha x *nemorosa*
Euphrasia micrantha x *scottica (E.* x *electa)*
Euphrasia micrantha x *tetraquetra*
Euphrasia nemorosa
Euphrasia nemorosa x *scottica*
Euphrasia nemorosa x *tetraquetra*
Euphrasia rostkoviana
Euphrasia scottica
Euphrasia tetraquetra
Fagus sylvatica
Fagus sylvatica 'purpurea'
Falcaria vulgaris
Fallopia baldschuanica
Fallopia convolvulus
Fallopia japonica
Fallopia japonica x *sachalinensis (F.* x *bohemica)*
Fallopia sachalinensis
Festuca altissima
Festuca arundinacea
Festuca filiformis
Festuca gigantea
Festuca ovina
Festuca ovina ssp. *ovina*
Festuca ovina x *vivipara*
Festuca pratensis
Festuca pratensis x *Lolium perenne (x Festulolium loliaceum)*
Festuca rubra
Festuca vivipara

Filago minima
Filago vulgaris
Filipendula ulmaria
Foeniculum vulgare
Fragaria vesca
Fragaria x *ananassa*
Frangula alnus
Fraxinus excelsior
Fuchsia magellanica
Fumaria bastardii
Fumaria capreolata
Fumaria capreolata ssp. *babingtonii*
Fumaria densiflora
Fumaria muralis
Fumaria muralis ssp. *boraei*
Fumaria officinalis ssp. *officinalis*
Fumaria officinalis ssp. *wirtgenii*
Fumaria purpurea
Galanthus nivalis
Galeopsis bifida
Galeopsis speciosa
Galeopsis tetrahit
Galinsoga parviflora
Galinsoga quadriradiata
Galium aparine
Galium boreale
Galium mollugo
Galium odoratum
Galium palustre ssp. *elongatum*
Galium palustre ssp. *palustre*
Galium saxatile
Galium sterneri
Galium uliginosum
Galium verum
Gaultheria mucronata
Gaultheria shallon
Gentianella campestris
Geranium columbinum
Geranium dissectum
Geranium endressii
Geranium endressii x *versicolor (G.* x *oxonianum)*
Geranium lucidum
Geranium macrorrhizum
Geranium molle
Geranium nodosum
Geranium phaeum
Geranium pratense
Geranium pusillum
Geranium pyrenaicum
Geranium robertianum
Geranium sanguineum
Geranium sylvaticum
Geranium versicolor
Geum rivale
Geum urbanum
Glaucium flavum
Glaux maritima
Glechoma hederacea
Glyceria declinata
Glyceria fluitans
Glyceria fluitans x *notata (G.* x *pedicellata)*
Glyceria maxima
Glyceria notata
Gnaphalium sylvaticum
Gnaphalium uliginosum
Griselinia littoralis
Gunnera manicata
Gunnera tinctoria
Gymnadenia conopsea
Gymnadenia conopsea ssp. *densiflora*
Gymnocarpium dryopteris
Hammarbya paludosa
Hebe elliptica x *speciosa (H.* x *franciscana)*
Hebe salicifolia
Hebe x *franciscana 'Blue Gem'*
Hedera colchica
Hedera helix ssp. *helix*
Hedera helix ssp. *hibernica*
Helianthus annuus
Helictotrichon pubescens
Heracleum mantegazzianum
Heracleum mantegazzianum x *sphondylium*
Heracleum sphondylium
Heracleum sphondylium ssp. *sphondylium*
Hesperis matronalis
Hieracium acuminatum
Hieracium argenteum
Hieracium cheriense
Hieracium cinderella
Hieracium duriceps
Hieracium grandidens
Hieracium hibernicum
Hieracium lasiophyllum
Hieracium latobrigorum
Hieracium orimeles
Hieracium stewartii
Hieracium strictiforme
Hieracium subrude
Hieracium uigenskyense
Hieracium vulgatum
Hippophae rhamnoides
Hippuris vulgaris
Holcus lanatus
Holcus mollis
Honckenya peploides
Hordeum distichon
Hordeum jubatum
Hordeum murinum
Hordeum secalinum
Hordeum vulgare

Hottonia palustris
Humulus lupulus
Huperzia selago
Hyacinthoides hispanica
Hyacinthoides hispanica x *non-scripta*
Hyacinthoides non-scripta
Hydrocharis morsus-ranae
Hydrocotyle ranunculoides
Hydrocotyle vulgaris
Hymenophyllum wilsonii
Hyoscyamus niger
Hypericum androsaemum
Hypericum androsaemum x *hircinum (H.* x *inodorum)*
Hypericum calycinum
Hypericum elodes
Hypericum hirsutum
Hypericum humifusum
Hypericum maculatum
Hypericum maculatum ssp. *obtusiusculum*
Hypericum maculatum x *perforatum (H.* x *desetangsii)*
Hypericum perforatum
Hypericum pulchrum
Hypericum tetrapterum
Hypochaeris radicata
Ilex aquifolium
Impatiens balfourii
Impatiens capensis
Impatiens glandulifera
Impatiens noli-tangere
Inula helenium
Iris foetidissima
Iris pseudacorus
Isoetes lacustris
Isolepis cernua
Isolepis setacea
Jasione montana
Juglans regia
Juncus acutiflorus
Juncus acutiflorus x *articulatus (J.* x *surrejanus)*
Juncus ambiguus
Juncus articulatus
Juncus bufonius
Juncus bulbosus
Juncus bulbosus subsp. bulbosus
Juncus conglomeratus
Juncus conglomeratus x *effusus (J.* x *kern-reichgeltii)*
Juncus effusus
Juncus effusus x *inflexus (J.* x *diffusus)*
Juncus foliosus
Juncus gerardii
Juncus inflexus
Juncus maritimus
Juncus squarrosus
Juncus subnodulosus
Juncus tenuis
Juniperus communis
Juniperus communis ssp. *nana*
Kerria japonica
Knautia arvensis
Koeleria macrantha
Laburnum alpinum x *anagyroides (L.* x *watereri)*
Laburnum anagyroides
Lactuca virosa
Lagarosiphon major
Lamiastrum galeobdolon
Lamiastrum galeobdolon ssp. *argentatum*
Lamiastrum galeobdolon ssp. *montanum*
Lamium album
Lamium amplexicaule
Lamium confertum
Lamium hybridum
Lamium purpureum
Lapsana communis
Lapsana communis ssp. *communis*
Larix decidua
Larix decidua x *kaempferi (L.* x *marschlinsii)*
Larix kaempferi
Lathraea clandestina
Lathraea squamaria
Lathyrus aphaca
Lathyrus grandiflorus
Lathyrus hirsutus
Lathyrus linifolius
Lathyrus nissolia
Lathyrus palustris
Lathyrus pratensis
Laurus nobilis
Lavatera arborea
Lemna gibba
Lemna minor
Lemna minuta
Lemna trisulca
Leontodon autumnalis
Leontodon autumnalis ssp. *pratensis*
Leontodon saxatilis
Lepidium campestre
Lepidium draba
Lepidium heterophyllum
Lepidium perfoliatum
Lepidium ruderale
Lepidium sativum
Lepidium virginicum
Leucanthemella serotina
Leucanthemum vulgare
Leucanthemum x *superbum (L. lacustre* x *maximum)*
Leycesteria formosa
Leymus arenarius
Libertia formosa

Ligusticum scoticum
Ligustrum ovalifolium
Ligustrum vulgare
Limonium humile
Limonium procerum ssp. *procerum*
Linaria purpurea
Linaria repens
Linaria repens x *vulgaris (L.* x *sepium)*
Linaria vulgaris
Linum bienne
Linum catharticum
Linum usitatissimum
Liriodendron tulipifera
Listera cordata
Listera ovata
Lithospermum arvense
Lithospermum purpureocaeruleum
Littorella uniflora
Lobelia dortmanna
Lobularia maritima
Lolium multiflorum
Lolium multiflorum x *perenne (L.* x *boucheanum)*
Lolium perenne
Lolium temulentum
Lonicera nitida
Lonicera periclymenum
Lotus corniculatus
Lotus pedunculatus
Luma apiculata
Lunaria annua
Lupinus arboreus
Lupinus polyphyllus
Luzula campestris
Luzula multiflora ssp. *congesta*
Luzula multiflora ssp. *multiflora*
Luzula pilosa
Luzula sylvatica
Lychnis flos-cuculi
Lycium barbarum
Lycium chinense
Lycopersicon esculentum
Lycopodium clavatum
Lycopus europaeus
Lysichiton americanus
Lysimachia nemorum
Lysimachia nummularia
Lysimachia vulgaris
Lythrum hyssopifolia
Lythrum portula
Lythrum portula ssp. *longidentata*
Lythrum portula ssp. *portula*
Lythrum salicaria
Malus domestica
Malus sylvestris
Malva moschata
Malva neglecta
Malva sylvestris
Matricaria discoidea
Matricaria recutita
Matteuccia struthiopteris
Matthiola incana
Meconopsis cambrica
Medicago arabica
Medicago lupulina
Medicago sativa
Melampyrum pratense
Melampyrum sylvaticum
Melica uniflora
Melilotus albus
Melilotus altissimus
Melilotus officinalis
Mentha aquatica
Mentha aquatica x *arvensis (M.* x *verticillata)*
Mentha aquatica x *spicata (M.* x *piperita)*
Mentha arvensis
Mentha arvensis x *spicata (M.* x *gracilis)*
Mentha longifolia x *suaveolens (M.* x *rotundifolia)*
Mentha spicata
Mentha spicata x *suaveolens (M.* x *villosa)*
Mentha suaveolens
Menyanthes trifoliata
Mercurialis annua
Mercurialis perennis
Mertensia maritima
Milium effusum
Mimulus guttatus x *luteus (M.* x *robertsii)*
Mimulus moschatus
Minuartia verna
Misopates orontium
Moehringia trinervia
Molinia caerulea ssp. *arundinacea*
Molinia caerulea ssp. *caerulea*
Montia fontana
Montia fontana ssp. *minor*
Morus alba
Muehlenbeckia complexa
Mycelis muralis
Myosotis arvensis
Myosotis discolor
Myosotis laxa
Myosotis ramosissima
Myosotis scorpioides
Myosotis secunda
Myosotis sylvatica
Myrica gale
Myriophyllum alterniflorum
Myriophyllum aquaticum
Myriophyllum spicatum
Myriophyllum verticillatum
Myrrhis odorata

Narcissus poeticus
Narcissus poeticus x *tazetta (N.* x *medioluteus)*
Narcissus pseudonarcissus
Narcissus pseudonarcissus ssp. *pseudonarcissus*
Nardus stricta
Narthecium ossifragum
Neottia nidus-avis
Nigella damascena
Nothofagus nervosa
Nothofagus obliqua
Nuphar lutea
Nymphaea alba
Nymphoides peltata
Odontites vernus
Odontites vernus ssp. *serotinus*
Odontites vernus ssp. *vernus*
Oenanthe aquatica
Oenanthe crocata
Oenanthe fistulosa
Oenanthe lachenalii
Oenothera glazioviana
Olearia macrodonta
Ononis repens
Ophioglossum vulgatum
Ophrys apifera
Orchis mascula
Orchis morio
Oreopteris limbosperma
Ornithogalum angustifolium
Ornithopus perpusillus
Orobanche alba
Orobanche minor
Osmunda regalis
Oxalis acetosella
Oxalis articulata
Oxalis corniculata
Oxalis exilis
Oxalis stricta
Paeonia mascula
Panicum miliaceum
Papaver argemone
Papaver dubium ssp. *dubium*
Papaver dubium ssp. *lecoqii*
Papaver hybridum
Papaver rhoeas
Papaver somniferum
Parapholis strigosa
Parentucellia viscosa
Parietaria judaica
Parnassia palustris
Parthenocissus quinquefolia
Pastinaca sativa
Pedicularis palustris
Pedicularis sylvatica ssp. *hibernica*
Pedicularis sylvatica ssp. *sylvatica*
Pentaglottis sempervirens
Persicaria amphibia
Persicaria amplexicaulis
Persicaria bistorta
Persicaria campanulata
Persicaria hydropiper
Persicaria lapathifolia
Persicaria laxiflora
Persicaria maculosa
Persicaria minor
Persicaria wallichii
Petasites albus
Petasites fragrans
Petasites hybridus
Petasites japonicus
Petroselinum crispum
Peucedanum ostruthium
Phalaris arundinacea
Phalaris canariensis
Phalaris paradoxa
Phegopteris connectilis
Philadelphus coronarius
Phleum arenarium
Phleum bertolonii
Phleum pratense
Phormium tenax
Phragmites australis
Phuopsis stylosa
Phyllitis scolopendrium
Picea abies
Picea omorika
Picea sitchensis
Pilosella aurantiaca
Pilosella aurantiaca ssp. *aurantiaca*
Pilosella aurantiaca ssp. *carpathicola*
Pilosella caespitosa
Pilosella officinarum
Pimpinella saxifraga
Pinguicula lusitanica
Pinguicula vulgaris
Pinus contorta
Pinus nigra ssp. *laricio*
Pinus nigra ssp. *nigra*
Pinus pinaster
Pinus sylvestris
Plantago coronopus
Plantago lanceolata
Plantago major ssp. *intermedia*
Plantago major ssp. *major*
Plantago maritima
Plantago media
Platanthera bifolia
Platanthera chlorantha
Pleioblastus humilis
Poa annua

Poa chaixii
Poa compressa
Poa humilis
Poa nemoralis
Poa palustris
Poa pratensis
Poa trivialis
Polygala serpyllifolia
Polygala vulgaris
Polygonatum multiflorum
Polygonatum multiflorum x *odoratum (P.* x *hybridum)*
Polygonum arenastrum
Polygonum aviculare
Polygonum oxyspermum
Polypodium cambricum
Polypodium cambricum x *interjectum (P.* x *shivasiae)*
Polypodium cambricum x *vulgare (P.* x *font-queri)*
Polypodium interjectum
Polypodium interjectum x *vulgare (P.* x *mantoniae)*
Polypodium vulgare
Polypogon monspeliensis
Polystichum aculeatum
Polystichum aculeatum x *setiferum (P.* x *bicknellii)*
Polystichum setiferum
Populus alba
Populus alba x *tremula (P.* x *canescens)*
Populus nigra
Populus nigra 'Italica'
Populus nigra ssp. *betulifolia*
Populus tremula
Populus trichocarpa
Populus x *berolinensis*
Populus x *canadensis (P. deltoides* x *nigra)*
Potamogeton alpinus
Potamogeton berchtoldii
Potamogeton coloratus
Potamogeton crispus
Potamogeton filiformis
Potamogeton friesii
Potamogeton gramineus
Potamogeton gramineus x *perfoliatus (P.* x *nitens)*
Potamogeton lucens
Potamogeton lucens x *gramineus (P.* x *zizii)*
Potamogeton natans
Potamogeton natans x *berchtoldii (P.* x *variifolius)*
Potamogeton natans x *gramineus (P.* x *sparganifolius)*
Potamogeton obtusifolius
Potamogeton pectinatus
Potamogeton perfoliatus
Potamogeton perfoliatus x *crispus (P.* x *cooperi)*
Potamogeton polygonifolius
Potamogeton praelongus
Potamogeton praelongus x *crispus (P.* x *undulatus)*
Potamogeton pusillus
Potentilla anglica
Potentilla anglica x *erecta (P.* x *suberecta)*
Potentilla anglica x *reptans (P.* x *mixta)*
Potentilla anserina
Potentilla argentea
Potentilla erecta ssp. *erecta*
Potentilla erecta ssp. *strictissima*
Potentilla fruticosa
Potentilla norvegica
Potentilla palustris
Potentilla reptans
Potentilla sterilis
Primula veris
Primula vulgaris
Prunella vulgaris
Prunus avium
Prunus cerasus
Prunus domestica
Prunus domestica ssp. *insititia*
Prunus laurocerasus
Prunus lusitanica
Prunus padus
Prunus spinosa
Pseudofumaria lutea
Pseudorchis albida
Pseudosasa japonica
Pseudotsuga menziesii
Pteridium aquilinum
Puccinellia distans
Puccinellia distans ssp. *borealis*
Puccinellia distans ssp. *distans*
Puccinellia maritima
Pulicaria dysenterica
Pulmonaria officinalis
Pyrola media
Pyrola minor
Pyrus communis
Quercus cerris
Quercus ilex
Quercus petraea
Quercus petraea x *robur (Q.* x *rosacea)*
Quercus robur
Quercus rubra
Radiola linoides
Ranunculus acris
Ranunculus aquatilis
Ranunculus auricomus
Ranunculus baudotii
Ranunculus bulbosus
Ranunculus circinatus
Ranunculus ficaria ssp. *bulbilifer*
Ranunculus ficaria ssp. *ficaria*
Ranunculus flammula
Ranunculus flammula ssp. *flammula*

Ranunculus flammula x *reptans (R.* x *levenensis)*
Ranunculus hederaceus
Ranunculus lingua
Ranunculus peltatus
Ranunculus penicillatus
Ranunculus penicillatus ssp. *penicillatus*
Ranunculus repens
Ranunculus sardous
Ranunculus sceleratus
Ranunculus trichophyllus
Raphanus raphanistrum
Raphanus raphanistrum ssp. *maritimus*
Reseda lutea
Reseda luteola
Rhamnus cathartica
Rheum x *hybridum (R. palmatum* x *rhaponticum)*
Rhinanthus minor
Rhinanthus minor ssp. *stenophyllus*
Rhododendron ponticum
Rhynchospora alba
Ribes nigrum
Ribes rubrum
Ribes sanguineum
Ribes uva-crispa
Rorippa amphibia
Rorippa islandica
Rorippa microphylla
Rorippa microphylla x *nasturtium-aquaticum (R.* x *sterilis)*
Rorippa nasturtium-aquaticum
Rorippa palustris
Rorippa sylvestris
Rosa arvensis
Rosa caesia
Rosa caesia ssp. *caesia*
Rosa caesia ssp. *caesia* x *R. canina*
Rosa caesia ssp. *vosagiaca*
Rosa caesia spp. vosagiaca x *R. canina*
Rosa caesia x *canina (R.* x *dumalis)*
Rosa canina
Rosa canina x *rubiginosa (R.* x *nitidula)*
Rosa canina x *sherardii*
Rosa canina x *stylosa (R.* x *andegavensis)*
Rosa mollis
Rosa pimpinellifolia
Rosa rubiginosa
Rosa rubiginosa x *sherardii (R.* x *suberecta)*
Rosa rugosa
Rosa sherardii
Rubus adenanthoides
Rubus adscitus
Rubus anisacanthos
Rubus caesius
Rubus conjungens
Rubus dentatifolius
Rubus dunensis
Rubus fissus
Rubus hesperius
Rubus hibernicus
Rubus idaeus
Rubus lanaticaulis
Rubus latifolius
Rubus lindleianus
Rubus moylei
Rubus nessensis
Rubus pistoris
Rubus plicatus
Rubus radula
Rubus raduloides
Rubus rhombifolius
Rubus rubristylus
Rubus saxatilis
Rubus scissus
Rubus scoticus
Rubus spectabilis
Rubus tricolor
Rubus ulmifolius
Rubus wirralensis
Rumex acetosa
Rumex acetosella
Rumex acetosella ssp. *acetosella*
Rumex conglomeratus
Rumex crispus
Rumex crispus ssp. *crispus*
Rumex crispus ssp. *littoreus*
Rumex crispus x *hydrolapathum (R.* x *schreberi)*
Rumex crispus x *obtusifolius (R.* x *pratensis)*
Rumex hydrolapathum
Rumex obtusifolius
Rumex sanguineus
Ruppia cirrhosa
Ruppia maritima
Ruscus aculeatus
Sagina apetala ssp. *apetala*
Sagina apetala ssp. *erecta*
Sagina maritima
Sagina nodosa
Sagina procumbens
Sagina subulata
Sagittaria sagittifolia
Salicornia europaea agg.
Salix alba
Salix alba x *fragilis (S.* x *rubens)*
Salix aurita
Salix aurita x *caprea (S.* x *capreola)*
Salix aurita x *cinerea (S.* x *multinervis)*
Salix caprea
Salix caprea ssp. *caprea*
Salix caprea x *cinerea (S.* x *reichardtii)*
Salix caprea x *viminalis (S.* x *sericans)*
Salix cinerea ssp. *cinerea*

Salix cinerea ssp. *oleifolia*
Salix cinerea x *viminalis (S.* x *smithiana)*
Salix elaeagnos
Salix fragilis
Salix fragilis x *pentandra (S.* x *meyeriana)*
Salix herbacea
Salix myrsinifolia
Salix pentandra
Salix purpurea
Salix purpurea x *viminalis (S.* x *rubra)*
Salix repens
Salix triandra
Salix viminalis
Salix viminalis x *aurita (S.* x *fruticosa)*
Salix x *calodendron (S. caprea* x *cinerea* x *viminalis)*
Salix x *mollissima nothovar. hippophaifolia*
Salix x *stipularis (S. aurita* x *caprea* x *viminalis)*
Salsola kali ssp. *kali*
Salsola kali ssp. *ruthenica*
Sambucus ebulus
Sambucus nigra
Sambucus racemosa
Samolus valerandi
Sanguisorba minor
Sanguisorba officinalis
Sanicula europaea
Santolina chamaecyparissus
Saponaria officinalis
Sasa palmata
Saussurea alpina
Saxifraga granulata
Saxifraga hirsuta
Saxifraga spathularis x *umbrosa (S.* x *urbium)*
Saxifraga stellaris
Saxifraga tridactylites
Saxifraga umbrosa
Scandix pecten-veneris
Schoenoplectus lacustris
Schoenoplectus tabernaemontani
Schoenus nigricans
Scilla messeniaca
Scilla verna
Scirpus sylvaticus
Scleranthus annuus
Scrophularia auriculata
Scrophularia nodosa
Scutellaria galericulata
Sedum acre
Sedum album
Sedum anglicum
Sedum forsterianum
Sedum rosea
Sedum rupestre
Sedum spurium
Sedum telephium
Sedum telephium ssp. *fabaria*
Selaginella kraussiana
Selaginella selaginoides
Semiarundinaria fastuosa
Sempervivum tectorum
Senecio aquaticus
Senecio aquaticus x *jacobaea (S.* x *ostenfeldii)*
Senecio cineraria
Senecio cineraria x *jacobaea (S.* x *albescens)*
Senecio fluviatilis
Senecio inaequidens
Senecio jacobaea
Senecio jacobaea ssp. *dunensis*
Senecio squalidus
Senecio sylvaticus
Senecio viscosus
Senecio vulgaris
Sequoiadendron giganteum
Seriphidium maritimum
Setaria italica
Setaria pumila
Setaria viridis
Sherardia arvensis
Sibthorpia europaea
Silaum silaus
Silene dichotoma
Silene dioica
Silene dioica x *latifolia (S.* x *hampeana)*
Silene gallica
Silene latifolia
Silene latifolia ssp. *alba*
Silene noctiflora
Silene uniflora
Silene vulgaris
Silene vulgaris ssp. *vulgaris*
Silybum marianum
Sinapis alba
Sinapis arvensis
Sinarundinaria nitida
Sisymbrium altissimum
Sisymbrium irio
Sisymbrium officinale
Sisymbrium orientale
Sisyrinchium bermudiana
Sium latifolium
Smyrnium olusatrum
Solanum dulcamara
Solanum nigrum
Solanum tuberosum
Soleirolia soleirolii
Solidago canadensis
Solidago sp.
Solidago virgaurea
Sonchus arvensis
Sonchus asper

Sonchus oleraceus
Sorbus aria
Sorbus aucuparia
Sorbus devoniensis
Sorbus hibernica
Sorbus intermedia
Sorbus latifolia
Sorbus rupicola
Sorbus torminalis
Sparganium angustifolium
Sparganium emersum
Sparganium erectum ssp. *erectum*
Sparganium erectum ssp. *microcarpum*
Sparganium erectum ssp. *neglectum*
Sparganium erectum ssp. *oocarpum*
Sparganium natans
Spartina anglica
Spergula arvensis
Spergularia marina
Spergularia media
Spergularia rubra
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