

# Checklist of protected & rare species in Ireland

## Key to Tables:

### EU Directives

<b>EU HD</b>	<b>EU Habitats Directive</b> [Council Directive 92/43/EEC]
II	Annex II animal & plant species
IV	Annex IV animal & plant species
V	Annex V animal & plant species
<b>EU BD</b>	<b>EU Birds Directive</b> [Council Directive 79/409/EEC]
I	Annex I bird species
II(I)	Annex II, section I bird species
II(II)	Annex II, section II bird species
III(I)	Annex III, section I bird species
III(II)	Annex III, section II bird species
III(III)	Annex III, section III bird species

### National legislation

<b>WA</b>	Wildlife Act, 1976 & Wildlife (Amendment) Act, 2000
<b>FPO</b>	Flora (Protection) Order, 1999 [SI 94/1999]

### Published National Red Lists\*

#### Plant Red Data Book (Curtis & McGough, 1988; Stewart & Church, 1992)

Ex	Extinct
E	Endangered
V	Vulnerable
R	Rare
I	Indeterminate (E,V or R, but not enough information available to say which)
K	Insufficiently known
DD	Data deficient

#### Ireland Red Lists using IUCN (2001)

RE	Regionally Extinct
CR	Critically Endangered
EN	Endangered
VU	Vulnerable
NT	Near threatened
lc	least concern
dd	data deficient
na	not assessed

#### Birds of Conservation Concern in Ireland (BoCCI; Lynas *et al.*, 2009)

Bird Red
Bird Amber

\* Many national red lists are under review, to bring them into line with the IUCN (2001) criteria & categories, and the IUCN (2003) guidance on regional red listing. Ireland Red Lists are available for download from [www.npws.ie/Publications/RedLists](http://www.npws.ie/Publications/RedLists).

### International Conventions

<b>OSPAR</b>	Convention for the protection of the marine environment of the North-east Atlantic [1992]
<b>AEWA</b>	Agreement on the Conservation of African-Eurasian Migratory Waterbirds [1999]

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## Plants, Algae & Lichens

### Angiosperms (Flowering plants)

Species		EU HD	FPO	Red Status (Curtis & McGough, 1988)
<i>Adoxa moschatellina</i>				V
<i>Luronium natans</i>	Floating Water-Plantain	II		
<i>Allium schoenoprasum</i>	Chives		X	R
<i>Asparagus officinalis</i> ssp. <i>prostrata</i>	Wild Asparagus		X	R
<i>Simethis planifolia</i>	Kerry Lily		X	V
<i>Mertensia maritima</i>	Oyster Plant		X	R
<i>Callitriche truncata</i>	Short-leaved Water-Starwort		X	R
<i>Campanula trachelium</i>	Bats-in-the-Belfry			V
<i>Arenaria norvegica</i>				DD
<i>Agrostemma githago</i>				Ex
<i>Arenaria ciliata</i>	Fringed Sandwort		X	R
<i>Minuartia recurva</i>	Recurved Sandwort		X	R
<i>Silene acaulis</i>				R
<i>Arthrocnemum perenne</i>	Perennial Glasswort		X	V
<i>Helianthemum canum</i>	Hoary Rock-rose			R
<i>Helianthemum nummularium</i>	Common Rockrose		X	R
<i>Tuberaria guttata</i>				R
<i>Colchicum autumnale</i>	Autumn Crocus		X	E
<i>Carduus nutans</i>				DD
<i>Hypochoeris glabra</i>				DD
<i>Otanthus maritimus</i>	Cottonweed		X	E
<i>Anthemis arvensis</i>				Ex
<i>Serratula tinctoria</i>				Ex
<i>Cirsium helenioides</i>				R
<i>Logfia minima</i>	Slender Cudweed		X	R
<i>Omalotheca sylvatica</i>	Wood Cudweed		X	R
<i>Saussurea alpina</i>	Alpine Saussurea			R
<i>Taraxacum gotlandicum</i>				R
<i>Erigeron acer</i>				V
<i>Inula salicina</i>	Irish Fleabane		X	V
<i>Matthiola sinuata</i>				Ex
<i>Cardamine amara</i>				R
<i>Cardamine impatiens</i>	Narrow leaved Bitter-Cress		X	R
<i>Cardaminopsis petraea</i>	Northern Rockcress		X	R
<i>Draba incana</i>				R
<i>Rorippa islandica</i>	Marsh Yellowcress			R
<i>Teesdalia nudicaulis</i>				R
<i>Carex divisa</i>	Divided Sedge		X	Ex
<i>Centaurea cyanus</i>				Ex
<i>Carex depauperata</i>	Starved Wood Sedge		X	R
<i>Carex magellanica</i>				R
<i>Eriophorum gracile</i>	Slender Cotton Grass		X	R
<i>Carex pauciflora</i>				V
<i>Centaureum littorale</i>				V
<i>Eleocharis parvula</i>				V
<i>Scirpus triquetus</i>	Triangular Club Rush		X	V
<i>Elatine hydropiper</i>				R
<i>Orthilia secunda</i>				E
<i>Erica mackaiana</i>				R
<i>Monotropa hypopitys</i>				R
<i>Pyrola media</i>				R
<i>Pyrola rotundifolia</i> ssp. <i>maritima</i>	Round-leaved Wintergreen		X	R
<i>Pyrola rotundifolia</i> ssp. <i>rotundifolia</i>				R

Species		EU HD	FPO	Red Status (Curtis & McGough, 1988)
<i>Erica ciliaris</i>	Dorset Heath			V
<i>Erica vagans</i>				V
<i>Euphorbia peplis</i>				Ex
<i>Centaureum pulchellum</i>	Lesser Centaury		X	V
<i>Geranium purpureum</i>	Little Robin Cranesbill			V
<i>Geranium rotundifolium</i>				V
<i>Geranium sylvaticum</i>				V
<i>Geranium pratense</i>				y
<i>Hypericum canadense</i>	Canadian St. John's Wort		X	R
<i>Hypericum hirsutum</i>	Hairy St. John's Wort		X	V
<i>Hydrilla verticillata</i>	Irish Hydrilla		X	V
<i>Scleranthus annuus</i>	Annual Knawel		X	
<i>Juncus compressus</i>				R
<i>Scheuchzeria palustris</i>				Ex
<i>Ajuga pyramidalis</i>	Pyramidal Bugle			R
<i>Lamiasstrum galeobdolon</i> ssp. <i>montanum</i>				R
<i>Salvia verbenaca</i>	Wild Clary			R
<i>Acinos arvensis</i>	Basil Thyme		X	V
<i>Galeopsis angustifolia</i>	Red Hemp Nettle		X	V
<i>Mentha pulegium</i>	Penny Royal		X	V
<i>Stachys officinalis</i>	Betony		X	V
<i>Lathyrus japonicus</i>	Sea pea		X	DD
<i>Astragalus danicus</i>	Purple Milk Vetch		X	R
<i>Lotus subbiflorus</i>	Hairy Birdsfoot Trefoil		X	R
<i>Ornithopus perpusillus</i>	Birdsfoot			R
<i>Vicia lathyroides</i>				R
<i>Trifolium glomeratum</i>	Clustered Clover		X	V
<i>Trifolium subterraneum</i>	Subterranean Clover		X	V
<i>Vicia orobus</i>	Bitter Vetch		X	V
<i>Najas flexilis</i>	Slender Naiad	II	IV	X
<i>Epilobium alsinifolium</i>	Chickweed Willow Herb		X	R
<i>Hammarbya paludosa</i>	Bog Orchid		X	R
<i>Spiranthes romanzoffiana</i>	Drooping Lady's Tresses		X	R
<i>Cephalanthera longifolia</i>	Narrow-leaved Helleborine		X	V
<i>Epipactis phyllanthes</i>	Green-flowered Helleborine			V
<i>Orchis morio</i>	Green-winged orchid			V
<i>Pseudorchis albida</i>	Small-white Orchid		X	V
<i>Orobanche rapum-genistae</i>	Greater Broomrape			R
<i>Papaver hybridum</i>	Round Prickly-headed Poppy		X	E
<i>Hordelymus europaeus</i>				DD
<i>Lolium temulentum</i>				Ex
<i>Bromus racemosus</i>				R
<i>Calamagrostis epigejos</i>	Wood small-reed		X	R
<i>Deschampsia setacea</i>	Bog Hair Grass		X	R
<i>Hierochloe odorata</i>				R
<i>Poa alpina</i>	Alpine Poa			R
<i>Poa palustris</i>				R
<i>Puccinellia fasciculata</i>	Tufted Salt-marsh Grass		X	R
<i>Calamagrostis sticta</i>				V
<i>Hordeum secalinum</i>	Meadow Barley		X	V
<i>Alopecurus aequalis</i>	Orange Foxtail		X	
<i>Polygonum viviparum</i>	Alpine Bistort		X	DD
<i>Polygonum maritimum</i>	Sea Knotgrass			R
<i>Rumex maritimus</i>				R
<i>Groenlandia densa</i>	Opposite-leaved Pondweed		X	V
<i>Hottonia palustris</i>	Water violet			R
<i>Ranunculus fluitans</i>				R
<i>Ranunculus tripartitus</i>	Three-lobed Water Crowfoot			R
<i>Trollius europaeus</i>	Globe Flower		X	V

Species		EU HD	FPO	Red Status (Curtis & McGough, 1988)
<i>Frangula alnus</i>				R
<i>Alchemilla alpina</i>				R
<i>Filipendula vulgaris</i>				R
<i>Potentilla fruticosa</i>				R
<i>Rubus chamaemorus</i>				V
<i>Sanguisorba officinalis</i>	Great Burnet		X	V
<i>Salix phylicifolia</i>	Tea-leaved Willow			R
<i>Saxifraga granulata</i>	Meadow Saxifrage		X	E
<i>Saxifraga hirculus</i>	Yellow Marsh Saxifrage	II	IV	X
<i>Saxifraga aizoides</i>				R
<i>Saxifraga hartii</i>	Hart's Saxifrage		X	R
<i>Saxifraga nivalis</i>	Alpine Saxifrage		X	R
<i>Saxifraga oppositifolia</i>				R
<i>Limosella aquatica</i>	Mudwort		X	R
<i>Sibthorpia europaea</i>				R
<i>Kickxia elatine</i>	Fluellen			V
<i>Melampyrum sylvaticum</i>				V
<i>Misopates orontium</i>	Lesser Snapdragon		X	V
<i>Scrophularia umbrosa</i>				V
<i>Hyoscyamus niger</i>	Henbane			R
<i>Scandix pecten-veneris</i>				Ex
<i>Ligusticum scoticum</i>				R
<i>Oenanthe pimpinelloides</i>	Water dropwort			R
<i>Viola persicifolia</i>				R
<i>Viola hirta</i>	Hairy Violet		X	V
<i>Viola lactea</i>	Pale Heath Violet		X	V

*Pteridophytes (Ferns & Fern allies)*

Species		EU HD	FPO	Red Status (Curtis & McGough, 1988)
<i>Cryptogramma crispa</i>	Parsley Fern		X	R
<i>Asplenium septentrionale</i>	Forked Spleenwort		X	R
<i>Asplenium obovatum subsp. lanceolatum</i>	Lanceolate Spleenwort		X	V
<i>Polystichum lonchitis</i>	Holly Fern			R
<i>Equisetum pratense</i>				R
<i>Equisetum X moorei</i>	Moore's Horsetail		X	
<i>Trichomanes speciosum</i>	Killarney Fern	II	IV	X
<i>Lycopodiella inundata</i>	Marsh Clubmoss		V	X
<i>Diphasiastrum alpinum</i>			V	
<i>Huperzia selago</i>			V	
<i>Lycopodium clavatum</i>			V	
<i>Pilularia globulifera</i>	Pillwort		X	R
<i>Gymnocarpium dryopteris</i>	Oak Fern			V
<i>Gymnocarpium robertianum</i>	Limestone Fern		X	V

## Hornworts &amp; Liverworts

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Anthoceros agrestis</i>			VU
<i>Acrobolbus wilsonii</i>			VU
<i>Adelanthus lindenbergianus</i>			VU
<i>Anastrophyllum hellerianum</i>			RE
<i>Aneura mirabilis</i>			VU
<i>Anthelia juratzkana</i>			NT
<i>Barbilophozia atlantica</i>			EN
<i>Barbilophozia barbata</i>			CR
<i>Barbilophozia kunzeana</i>			RE
<i>Bazzania pearsonii</i>			VU
<i>Calypogeia integristipula</i>			EN
<i>Calypogeia suecica</i>			RE
<i>Cephalozia crassifolia</i>			EN
<i>Cephalozia loitlesbergeri</i>			VU
<i>Cephalozia macrostachya</i> var. <i>spiniflora</i>			dd
<i>Cephalozia pleniceps</i>			VU
<i>Cephaloziella elachista</i>			dd
<i>Cephaloziella integerrima</i>			VU
<i>Cephaloziella massalongi</i>			VU
<i>Cephaloziella nicholsonii</i>			VU
<i>Cephaloziella rubella</i>			VU
<i>Cephaloziella spinigera</i>			dd
<i>Cephaloziella stellulifera</i>			NT
<i>Cephaloziella turneri</i>			VU
<i>Cladopodiella francisci</i>			VU
<i>Diplophyllum obtusifolium</i>			NT
<i>Douinia ovata</i>			NT
<i>Dumortiera hirsuta</i>			NT
<i>Eremonotus myriocarpus</i>			NT
<i>Fossombronia caespitiformis</i> subsp. <i>multispira</i>			dd
<i>Fossombronia fimbriata</i>			VU
<i>Fossombronia maritima</i>			NT
<i>Geocalyx graveolens</i>			EN
<i>Gymnomitrium concinnatum</i>			EN
<i>Gymnomitrium corallioides</i>			CR
<i>Gymnomitrium obtusum</i>			NT
<i>Kurzia sylvatica</i>			NT
<i>Leiocolea bantriensis</i>			NT
<i>Leiocolea fitzgeraldiae</i>			NT
<i>Leiocolea gillmanii</i>		X	VU
<i>Leiocolea heterocolpos</i>			CR
<i>Leiocolea rutheana</i> var. <i>rutheana</i>		X	EN
<i>Lejeunea eckloniana</i>			NT
<i>Lejeunea flava</i> subsp. <i>moorei</i>			VU
<i>Lejeunea hibernica</i>			NT
<i>Lejeunea mandonii</i>			EN
<i>Lophozia opacifolia</i>			VU
<i>Lophozia wenzelii</i>			dd
<i>Marchantia polymorpha</i> subsp. <i>montivagans</i>			EN
<i>Marsupella adusta</i>			NT
<i>Marsupella funckii</i>			NT
<i>Marsupella sphacelata</i>			VU
<i>Marsupella sprucei</i>			VU
<i>Mastigophora woodsii</i>			NT
<i>Metzgeria leptoneura</i>			NT
<i>Metzgeria pubescens</i>			VU
<i>Moerckia hibernica</i>			dd
<i>Nardia geoscyphus</i>			NT
<i>Odontoschisma elongatum</i>			NT
<i>Pallavicinia lyellii</i>			EN
<i>Petalophyllum ralfsii</i>	II		

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Plagiochila carringtonii</i>			EN
<i>Plagiochila heterophylla</i>		X	EN
<i>Porella cordaeana</i>			NT
<i>Ptilidium pulcherrimum</i>			RE
<i>Radula carringtonii</i>			NT
<i>Radula holtii</i>			NT
<i>Riccia crozalsii</i>			EN
<i>Riccia huebeneriana</i>			dd
<i>Ricciocarpos natans</i>			NT
<i>Scapania curta</i>			VU
<i>Scapania cuspiduligera</i>			VU
<i>Scapania gymnostomophila</i>			VU
<i>Scapania lingulata</i>			dd
<i>Scapania nimbosea</i>			EN
<i>Scapania ornithopodioides</i>			VU
<i>Scapania subalpina</i>			dd
<i>Solenostoma paroicum</i>			NT
<i>Solenostoma sphaerocarpum</i>			NT
<i>Solenostoma subellipticum</i>			NT
<i>Southbya tophacea</i>			CR
<i>Sphenobopsis pearsonii</i>			NT
<i>Targionia hypophylla</i>			RE
<i>Telaranea europaea</i>			NT
<i>Tritomaria exsecta</i>			VU

Mosses

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Abietinella abietina</i> var. <i>abietina</i>			EN
<i>Abietinella abietina</i> var. <i>hystricosa</i>			NT
<i>Acaulon muticum</i>			RE
<i>Aloina ambigua</i>			EN
<i>Aloina rigida</i>			RE
<i>Amblystegium confervoides</i>			NT
<i>Amphidium lapponicum</i>			VU
<i>Andreaea megistospora</i>			VU
<i>Antitrichia curtipendula</i>			NT
<i>Aongstroemia longipes</i>			CR
<i>Arctoa fulvella</i>			VU
<i>Atrichum angustatum</i>			RE
<i>Atrichum tenellum</i>			NT
<i>Aulacomnium androgynum</i>			VU
<i>Bartramia halleriana</i>			RE
<i>Bartramia ithyphylla</i>			VU
<i>Brachydontium trichodes</i>			EN
<i>Brachytheciastrum velutinum</i>			EN
<i>Bryum bornholmense</i>			NT
<i>Bryum caespiticium</i>			VU
<i>Bryum calophyllum</i>		X	EN
<i>Bryum creberrimum</i>			dd
<i>Bryum dyffrynense</i>			NT
<i>Bryum elegans</i>			VU
<i>Bryum gemmiparum</i>			VU
<i>Bryum intermedium</i>			EN
<i>Bryum knowltonii</i>			EN
<i>Bryum moravicum</i>			CR
<i>Bryum riparium</i>			EN
<i>Bryum salinum</i>			CR
<i>Bryum tenuisetum</i>			dd
<i>Bryum torquescens</i>			VU
<i>Bryum turbinatum</i>			RE
<i>Bryum uliginosum</i>			EN

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Bryum warneum</i>			EN
<i>Buxbaumia aphylla</i>			RE
<i>Campyliadelphus elodes</i>			NT
<i>Campylopus atrovirens</i> var. <i>falcatus</i>			NT
<i>Campylopus schimperi</i>			RE
<i>Campylopus shawii</i>			NT
<i>Campylopus subulatus</i>			VU
<i>Campylostelium saxicola</i>			EN
<i>Catocopium nigrum</i>		X	NT
<i>Cinclidium stygium</i>			VU
<i>Cinclidotus riparius</i>			dd
<i>Conardia compacta</i>			RE
<i>Ctenidium molluscum</i> var. <i>robustum</i>			RE
<i>Cyclodictyon laetevirens</i>			NT
<i>Cynodontium jeneri</i>			VU
<i>Dicranella cerviculata</i>			NT
<i>Dicranella crispa</i>			EN
<i>Dicranella grevilleana</i>			NT
<i>Dicranodontium asperulum</i>			VU
<i>Dicranodontium uncinatum</i>			VU
<i>Dicranum undulatum</i>			RE
<i>Didymodon acutus</i>			EN
<i>Didymodon icmadophilus</i>			RE
<i>Didymodon maximus</i>			NT
<i>Didymodon tomaculosus</i>			VU
<i>Didymodon umbrosus</i>			VU
<i>Discelium nudum</i>			NT
<i>Ditrichum cornubicum</i>			CR
<i>Ditrichum flexicaule</i>			dd
<i>Ditrichum lineare</i>			CR
<i>Ditrichum plumbicola</i>			EN
<i>Ditrichum pusillum</i>			dd
<i>Ditrichum zonatum</i>			EN
<i>Drepanocladus sendtneri</i>			NT
<i>Encalypta alpina</i>			VU
<i>Encalypta ciliata</i>			CR
<i>Encalypta rhaptocarpa</i>			CR
<i>Encalypta vulgaris</i>			NT
<i>Entosthodon fascicularis</i>			NT
<i>Entosthodon muhlenbergii</i>			RE
<i>Ephemerum cohaerens</i>			VU
<i>Ephemerum crassinervium</i> subsp. <i>rutheanum</i>			NT
<i>Ephemerum crassinervium</i> subsp. <i>sessile</i>			NT
<i>Ephemerum recurvifolium</i>			dd
<i>Ephemerum spinulosum</i>			EN
<i>Eurhynchiastrum pulchellum</i> var. <i>diversifolium</i>			RE
<i>Fissidens crispus</i>			dd
<i>Fissidens curvatus</i>			RE
<i>Fissidens exilis</i>			VU
<i>Fissidens fontanus</i>			VU
<i>Fissidens monguillonii</i>			NT
<i>Fissidens polyphyllus</i>			VU
<i>Fissidens rivularis</i>			VU
<i>Fissidens rufulus</i>			EN
<i>Fissidens serrulatus</i>			VU
<i>Fontinalis antipyretica</i> var. <i>cymbifolia</i>			dd
<i>Fontinalis antipyretica</i> var. <i>gracilis</i>			NT
<i>Grimmia anomala</i>			EN
<i>Grimmia atrata</i>			EN
<i>Grimmia crinita</i>			RE
<i>Grimmia decipiens</i>			NT
<i>Grimmia dissimulata</i>			VU
<i>Grimmia donniana</i>			NT
<i>Grimmia funalis</i>			NT
<i>Grimmia laevigata</i>			RE



Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Grimmia longirostris</i>			RE
<i>Grimmia muehlenbeckii</i>			dd
<i>Grimmia orbicularis</i>			VU
<i>Grimmia ramondii</i>			NT
<i>Grimmia torquata</i>			NT
<i>Hageniella micans</i>			NT
<i>Hamatocaulis vernicosus</i>	II	X	NT
<i>Hedwigia ciliata</i> var. <i>ciliata</i>			VU
<i>Hedwigia integrifolia</i>			VU
<i>Heterocladium wulfsbergii</i>			NT
<i>Hygroamblystegium fluviatile</i>			NT
<i>Hygroamblystegium humile</i>			EN
<i>Hygroamblystegium varium</i>			NT
<i>Hygrohypnum duriusculum</i>			CR
<i>Hylocomiastrum umbratum</i>			NT
<i>Hymenostylium recurvirostrum</i> var. <i>insigne</i>			NT
<i>Hypnum callichroum</i>			NT
<i>Hypnum uncinulatum</i>			NT
<i>Isopterygiopsis muelleriana</i>			VU
<i>Kiaeria falcata</i>			CR
<i>Leptobarbula berica</i>		X	VU
<i>Leptodon smithii</i>			EN
<i>Leptodontium flexifolium</i>			NT
<i>Leucobryum glaucum</i>	V		
<i>Meesia triquetra</i>			RE
<i>Meesia uliginosa</i>			EN
<i>Microbryum curvicollum</i>			RE
<i>Microbryum starckeanum</i>			RE
<i>Mnium thomsonii</i>			NT
<i>Molendoa warburgii</i>			VU
<i>Myurella julacea</i>			EN
<i>Myurium hochstetteri</i>			RE
<i>Oedipodium griffithianum</i>			CR
<i>Orthodontium gracile</i>			CR
<i>Orthothecium rufescens</i>			NT
<i>Orthotrichum pallens</i>		X	EN
<i>Orthotrichum rivulare</i>			NT
<i>Orthotrichum sprucei</i>		X	VU
<i>Orthotrichum stramineum</i>		X	VU
<i>Oxyrrhynchium schleicheri</i>			CR
<i>Oxyrrhynchium speciosum</i>			NT
<i>Paludella squarrosa</i>		X	CR
<i>Paraleptodontium recurvifolium</i>			NT
<i>Phascum cuspidatum</i> var. <i>papillosum</i>			dd
<i>Phascum cuspidatum</i> var. <i>piliferum</i>			dd
<i>Philonotis arnellii</i>			EN
<i>Philonotis caespitosa</i>			NT
<i>Philonotis cernua</i>			CR
<i>Philonotis rigida</i>			VU
<i>Philonotis tomentella</i>			VU
<i>Physcomitrium sphaericum</i>			VU
<i>Plagiobryum zieri</i>			NT
<i>Plagiomnium cuspidatum</i>			NT
<i>Plagiopus oederianus</i>			CR
<i>Plagiothecium cavifolium</i>			VU
<i>Plagiothecium curvifolium</i>			VU
<i>Plagiothecium denticulatum</i> var. <i>obtusifolium</i>			NT
<i>Plagiothecium laetum</i>			VU
<i>Plagiothecium latebricola</i>			VU
<i>Plagiothecium platyphyllum</i>			VU
<i>Plasteurhynchium striatulum</i>			NT
<i>Platydictya jungermannioides</i>			NT
<i>Platyhypnidium lusitanicum</i>			NT
<i>Pleurochaete squarrosa</i>			NT
<i>Pogonatum nanum</i>			EN

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Pohlia andalusica</i>			EN
<i>Pohlia elongata</i> var. <i>elongata</i>			NT
<i>Pohlia elongata</i> var. <i>greenii</i>			EN
<i>Pohlia filum</i>			VU
<i>Pohlia lescuriana</i>			dd
<i>Pohlia prolifera</i>			RE
<i>Pohlia wahlenbergii</i> var. <i>calcareo</i>			dd
<i>Pohlia wahlenbergii</i> var. <i>glacialis</i>			RE
<i>Polytrichum commune</i> var. <i>perigoniale</i>			dd
<i>Pseudocalliergon lycopodioides</i>			VU
<i>Pseudocalliergon trifarium</i>			VU
<i>Pterigynandrum filiforme</i>			RE
<i>Pterygoneurum lamellatum</i>			RE
<i>Pterygoneurum ovatum</i>			RE
<i>Ptilium crista-castrensis</i>			CR
<i>Racomitrium canescens</i>			VU
<i>Racomitrium elongatum</i>			VU
<i>Racomitrium macounii</i> subsp. <i>alpinum</i>			VU
<i>Rhabdoweisia crispata</i>			NT
<i>Rhabdoweisia fugax</i>			VU
<i>Rhizomnium pseudopunctatum</i>			NT
<i>Rhodobryum roseum</i>			NT
<i>Rhynchostegiella curviseta</i>			RE
<i>Rhynchostegium megapolitanum</i>			NT
<i>Rhytidiadelphus subpinnatus</i>			RE
<i>Rhytidium rugosum</i>			VU
<i>Schistidium agassizii</i>			VU
<i>Schistidium confertum</i>			dd
<i>Schistidium elegantulum</i> subsp. <i>elegantulum</i>			dd
<i>Schistidium elegantulum</i> subsp. <i>wilsonii</i>			dd
<i>Schistidium platyphyllum</i>			VU
<i>Schistidium pruinosum</i>			dd
<i>Schistidium robustum</i>			dd
<i>Schistidium strictum</i>			NT
<i>Schistidium trichodon</i>			VU
<i>Scleropodium cespitans</i>			NT
<i>Scleropodium touretii</i>			EN
<i>Scopelophila cataractae</i>			VU
<i>Seligeria calcarea</i>			VU
<i>Seligeria calycina</i>			RE
<i>Seligeria oelandica</i>			VU
<i>Seligeria patula</i>			NT
<i>Sematophyllum demissum</i>			NT
<i>Sematophyllum substrumulosum</i>			VU
<i>Sphagnum affine</i>	V		VU
<i>Sphagnum capillifolium</i> subsp. <i>capillifolium</i>	V		dd
<i>Sphagnum flexuosum</i>	V		VU
<i>Sphagnum girgensohnii</i>	V		NT
<i>Sphagnum platyphyllum</i>	V		NT
<i>Sphagnum russowii</i>	V		NT
<i>Sphagnum skyense</i>	V		dd
<i>Sphagnum strictum</i>	V		dd
<i>Sphagnum subsecundum</i>	V		NT
<i>Sphagnum teres</i>	V		NT
<i>Sphagnum warnstorffii</i>	V		VU
<i>Syntrichia princeps</i>			RE
<i>Syntrichia virescens</i>			dd
<i>Tayloria tenuis</i>			RE
<i>Tetraplodon angustatus</i>		X	dd
<i>Tetradontium brownianum</i>			NT
<i>Thuidium recognitum</i>			VU
<i>Timmia norvegica</i>			VU
<i>Tomentypnum nitens</i>			VU
<i>Tortella densa</i>			NT
<i>Tortella inclinata</i>		X	EN

Species	EU HD	FPO	Red Status (Lockhart et al., 2012)
<i>Tortula atrovirens</i>			NT
<i>Tortula canescens</i>			dd
<i>Tortula cuneifolia</i>			CR
<i>Tortula lanceola</i>			CR
<i>Tortula marginata</i>			NT
<i>Tortula modica</i>			VU
<i>Tortula protobryoides</i>			RE
<i>Tortula vahliana</i>			RE
<i>Tortula wilsonii</i>		X	RE
<i>Ulota coarctata</i>			CR
<i>Ulota drummondii</i>			RE
<i>Weissia brachycarpa</i> var. <i>brachycarpa</i>			dd
<i>Weissia condensa</i>			dd
<i>Weissia controversa</i> var. <i>crispata</i>			dd
<i>Weissia longifolia</i> var. <i>angustifolia</i>		X	VU
<i>Weissia rostellata</i>		X	NT
<i>Weissia rutilans</i>			VU

ALL members of the bryophyte family Sphagnaceae are protected under Annex V of the EU Habitats Directive [92/43/EEC].

### Algae

Species	EU HD	FPO	Red Status (Stewart & Church, 1992)
<i>Chara muscosa</i>			Ex
<i>Tolypella prolifera</i>			Ex
<i>Chara connivens</i>			I
<i>Nitella spanioclema</i>			I
<i>Chara baltica</i>			K
<i>Nitellopsis obtusa</i>			K
<i>Chara denudata</i>			R
<i>Chara tomentosa</i>			R
<i>Nitella mucronata</i>			R
<i>Chara canescens</i>			V
<i>Lamprothamnium papulosum</i> Foxtail Stonewort		X	V
<i>Nitella gracilis</i> Slender Stonewort		X	V
<i>Nitella tenuissima</i>			V
<i>Tolypella intricata</i>			V
<i>Lithothamnion corralloides</i> Maerl	V		
<i>Phymatolithon calcareum</i> Maerl	V		

### Lichens

Species	EU HD	FPO
<i>Fulgensia fulgens</i>		X
<i>Cladonia arbuscula</i>	V	
<i>Cladonia azorica</i>	V	
<i>Cladonia ciliate</i>	V	
<i>Cladonia portentosa</i>	V	
<i>Cladonia rangiferina</i>	V	

## Vertebrates

### Mammals

Species		EU HD		OSPAR	WA	Red Status (Marnell et al., 2010)
<i>Erinaceus europaeus</i>	Hedgehog				X	lc
<i>Sorex minutus</i>	Pygmy shrew				X	lc
<i>Rhinolophus hipposideros</i>	Lesser Horseshoe	II	IV		X	lc
<i>Myotis mystacinus</i>	Whiskered bat		IV		X	lc
<i>Myotis nattereri</i>	Natterer's bat		IV		X	lc
<i>Myotis daubentoni</i>	Daubenton's bat		IV		X	lc
<i>Myotis brandtii</i>	Brandt's bat		IV		X	dd
<i>Nyctalus leisleri</i>	Leisler's bat		IV		X	NT
<i>Pipistrellus pipistrellus</i>	Common pipistrelle		IV		X	lc
<i>Pipistrellus pygmaeus</i>	Soprano pipistrelle		IV		X	lc
<i>Pipistrellus nathusii</i>	Nathusius' pipistrelle		IV		X	lc
<i>Plecotus auritus</i>	Brown long-eared bat		IV		X	lc
<i>Lepus timidus</i>	Irish hare			V	X	lc
<i>Lepus europaeus</i>	Brown hare				X	na
<i>Rattus rattus</i>	Ship rat					VU
<i>Sciurus vulgaris</i>	Red squirrel				X	NT
<i>Lutra lutra</i>	Otter	II	IV		X	NT
<i>Martes martes</i>	Pine marten			V	X	lc
<i>Meles meles</i>	Badger				X	lc
<i>Mustela erminea</i>	Stoat				X	lc
<i>Canis lupus</i>	Grey wolf					RE
<i>Cervus elaphus</i>	Red deer				X	lc
<i>Cervus nippon</i>	Sika deer				X	na
<i>Dama dama</i>	Fallow deer				X	lc
<i>Halichoerus grypus</i>	Grey seal	II		V	X	
<i>Phoca vitulina</i>	Harbour seal	II		V	X	
<i>Tursiops truncatus (tursio)</i>	Bottlenose dolphin	II	IV		X	
<i>Phocoena phocoena</i>	Harbour porpoise	II	IV		X	X
<i>Balaenoptera musculus</i>	Blue whale		IV		X	X
<i>Eubalaena glacialis</i>	Northern right whale		IV		X	X

ALL cetaceans are protected under the EC Habitats Directive (Annex IV), the Whale Fisheries Act, 1937 (including an order made in SI 240/1982) and the Wildlife Act, 1976.

### Reptiles

Species		EU HD		WA	OSPAR	Red Status (King et al., 2011)
<i>Dermochelys coriacea</i>	Leatherback turtle		IV	X	X	lc
<i>Lepidochelys kempii</i>	Kemp's Ridley turtle		IV	X		na
<i>Caretta caretta</i>	Loggerhead turtle	II	IV	X	X	na
<i>Eretmochelys imbricata</i>	Hawksbill turtle		IV	X		na
<i>Lacerta vivipara</i>	Common lizard			X		lc

The common lizard was added to the Wildlife Act, 1976 by regulations made in SI 282/1980, and Marine turtles were added by regulations made in SI 112/1990.

### Amphibians

Species		EU HD	WA	OSPAR	Red Status (King et al., 2011)
<i>Bufo calamita</i>	Natterjack toad	IV	X		EN
<i>Rana temporaria</i>	Common frog	V	X		lc

<i>Triturus vulgaris</i>	Common newt		X	lc
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The common frog and common newt were added to the Wildlife Act, 1976 by regulations made in SI 282/1980.

Fish

Species		EU HD		Red Status (King <i>et al.</i> , 2011)	OSPAR
<i>Acipenser sturio</i>	Sturgeon		IV	na	X
<i>Alosa alosa</i>	Allis Shad	II	V	dd	X
<i>Alosa fallax</i>	Twaite Shad	II	V	VU	
<i>Alosa fallax killarnensis</i>	Killarney Shad	II	V	VU	
<i>Osmerus eperlanus</i>	Smelt			lc	
<i>Lampetra fluviatilis</i>	River Lamprey	II	V	lc	
<i>Lampetra planeri</i>	Brook Lamprey	II		lc	
<i>Petromyzon marinus</i>	Sea Lamprey	II		NT	X
<i>Coregonus autumnalis</i>	Pollan		V	VU	
<i>Salvelinus alpinus</i>	Arctic Charr			VU	
<i>Salmo salar</i>	Salmon	II*	V*	VU	X
<i>Anguilla anguilla</i>	European eel			CR	X
<i>Centroscymnus coelolepis</i>	Portuguese dogfish				X
<i>Centrophorus granulosus</i>	Gulper shark				X
<i>Centrophorus squamosus</i>	Leafscale gulper shark				X
<i>Cetorhinus maximus</i>	Basking shark				X
<i>Dipturus batis (Raja batis)</i>	Common Skate				X
<i>Raja montagui (Dipturus montagui)</i>	Spotted Ray				X
<i>Gadus morhua</i>	Cod				X
<i>Hoplostethus atlanticus</i>	Orange roughy				X
<i>Lamna nasus</i>	Porbeagle				X
<i>Rostroraja alba</i>	White skate				X
<i>Squalus acanthias</i>	[Northeast Atlantic] spurdog				X
<i>Squatina squatina</i>	Angel shark				X
<i>Thunnus thynnus</i>	Bluefin tuna				X

\*This only refers to Salmon in freshwater.

Numerous fish and invertebrates are listed on the Wildlife (Fish and Aquatic Invertebrate Animals) (Exclusion) Regulations, 2001 [SI 372/2001], which excludes them from the provisions of the Wildlife (Amendment) Act, 2000.

Birds

Species		EU BD		Bird Red	Bird Amb.	OSPAR	AEWA
<i>Accipiter gentilis</i>	Goshawk				X		
<i>Aquila chrysaetos</i>	Golden Eagle	I		X			
<i>Falco tinnunculus</i>	Kestrel				X		
<i>Circus cyaneus</i>	Hen Harrier	I			X		
<i>Milvus milvus</i>	Red Kite				X		
<i>Alauda arvensis</i>	Skylark		II(II)		X		
<i>Alcedo atthis</i>	Kingfisher	I			X		
<i>Alca torda</i>	Razorbill				X		X
<i>Cephus grylle</i>	Black Guillemot				X		X
<i>Fratercula arctica</i>	Puffin				X		X
<i>Uria aalge</i>	Guillemot				X		X
<i>Anas acuta</i>	Pintail	II(I)	III(II)	X			X
<i>Anas clypeata</i>	Shoveler	II(I)	III(III)	X			X
<i>Anas crecca</i>	Teal	II(I)	III(II)		X		X
<i>Anas penelope</i>	Wigeon	II(I)	III(II)		X		X
<i>Anas platyrhynchos</i>	Mallard	II(I)	III(I)				X
<i>Anas querquedula</i>	Garganey	II(I)			X		X
<i>Anas strepera</i>	Gadwall	II(I)			X		X
<i>Anser albifrons flavirostris</i>	White-fronted Goose	I	II(II)	III(III)	X		X
<i>Anser anser</i>	Greylag Goose	II(I)	III(II)		X		X
<i>Anser brachyrhynchus</i>	Pink-footed Goose		II(II)				X

Species		EU BD		Bird Red	Bird Amb.	OSPAR	AEWA
<i>Aythya ferina</i>	Pochard	II(I)	III(II)		X		X
<i>Aythya fuligula</i>	Tufted Duck	II(I)	III(II)		X		X
<i>Aythya marila</i>	Scaup	II(II)	III(III)		X		X
<i>Branta bernicla</i>	Brent Goose				X		X
<i>Branta canadensis</i>	Canada Goose	II(I)					
<i>Branta leucopsis</i>	Barnacle Goose				X		X
<i>Bucephala clangula</i>	Goldeneye	II(II)			X		X
<i>Clangula hyemalis</i>	Long-tailed Duck	II(II)					X
<i>Cygnus columbianus bewickii</i>	Bewick's Swan	I		X			X
<i>Cygnus cygnus</i>	Whooper Swan	I			X		X
<i>Cygnus olor</i>	Mute Swan				X		X
<i>Melanitta nigra</i>	Common Scoter	II(II)	III(III)	X			X
<i>Melanitta fusca</i>	Velvet Scoter	II(II)					X
<i>Mergellus albellus</i>	Smew						X
<i>Mergus merganser</i>	Goosander	II(II)			X		X
<i>Mergus serrator</i>	Red-breasted Merganser	II(II)					X
<i>Somateria mollissima</i>	Eider	II(II)	III(II)		X		X
<i>Tadorna tadorna</i>	Shelduck				X		X
<i>Egretta garzetta</i>	Little Egret	I					X
<i>Ardea cinerea</i>	Grey Heron						X
<i>Caprimulgus europaeus</i>	Nightjar	I		X			
<i>Charadrius alexandrinus</i>	Kentish Plover	I					X
<i>Charadrius hiaticula</i>	Ringed Plover				X		X
<i>Charadrius dubius</i>	Littled Ringed Plover						X
<i>Pluvialis apricaria</i>	Golden Plover	I	II(II)	III(III)	X		X
<i>Pluvialis squatarola</i>	Grey Plover				X		X
<i>Haematopus ostralegus</i>	Oystercatcher				X		X
<i>Vanellus vanellus</i>	Lapwing	II(II)		X			X
<i>Streptopelia turtur</i>	Turtle Dove				X		
<i>Columba livia</i>	Rock Dove	II(I)					
<i>Columba oenas</i>	Stock Dove				X		
<i>Columba palumbus</i>	Woodpigeon	II(I)	III(I)				
<i>Pyrhacorax pyrrhacorax</i>	Chough	I			X		
<i>Sturnus vulgaris</i>	Starling				X		
<i>Emberiza citrinella</i>	Yellowhammer			X			
<i>Falco columbarius</i>	Merlin	I			X		
<i>Falco peregrinus</i>	Peregrine	I					
<i>Falco vespertinus</i>	Red-footed Falcon	I					
<i>Carduelis flavirostris</i>	Twite			X			
<i>Carduelis cannabina</i>	Linnet				X		
<i>Gavia arctica</i>	Black-throated Diver	I					X
<i>Gavia immer</i>	Great Northern Diver	I					X
<i>Gavia stellata</i>	Red-throated Diver	I			X		X
<i>Apus apus</i>	Swift				X		
<i>Hirundo rustica</i>	Swallow				X		
<i>Riparia riparia</i>	Sand Martin				X		
<i>Delichon urbica</i>	House Martin				X		
<i>Hydrobates pelagicus</i>	Storm Petrel	I			X		
<i>Oceanodroma leucorhoa</i>	Leach's Petrel	I			X		
<i>Catharacta skua</i>	Great Skua				X		X
<i>Larus canus</i>	Common Gull				X		X
<i>Larus melanocephalus</i>	Mediterranean Gull	I			X		X
<i>Larus minutus</i>	Little Gull	I					X
<i>Larus ridibundus</i>	Black-headed Gull			X			X
<i>Larus argentatus</i>	Herring Gull			X			X
<i>Larus marinus</i>	Great black-backed Gull				X		X
<i>Larus fuscus</i>	Lesser black-backed Gull				X		X
<i>Rissa tridactyla</i>	Kittiwake				X	III,V	X
<i>Motacilla flava</i>	Yellow Wagtail				X		
<i>Ficedula hypoleuca</i>	Pied Flycatcher				X		

Species		EU BD		Bird Red	Bird Amb.	OSPAR	AEWA
<i>Muscicapa striata</i>	Spotted Flycatcher				X		
<i>Passer montanus</i>	Tree Sparrow				X		
<i>Passer domesticus</i>	House Sparrow				X		
<i>Phalacrocorax carbo</i>	Cormorant				X		X
<i>Phalacrocorax aristotelis</i>	Shag				X		
<i>Phalaropus lobatus</i>	Red-necked Phalarope	I		X			X
<i>Coturnix coturnix</i>	Quail			X			
<i>Perdix perdix</i>	Grey Partridge	II(I)	III(I)	X			
<i>Phasianus colchicus</i>	Pheasant	II(I)	III(I)				
<i>Podiceps auritus</i>	Slavonian Grebe						X
<i>Podiceps cristatus</i>	Great-crested Grebe				X		X
<i>Podiceps nigricollis</i>	Black-necked Grebe			X			X
<i>Tachybaptus ruficollis</i>	Little Grebe				X		X
<i>Procellaria diomedea</i>	Cory's Shearwater	I			X		
<i>Puffinus griseus</i>	Sooty Shearwater			X			
<i>Puffinus puffinus</i>	Manx Shearwater				X		
<i>Puffinus mauretanicus</i>	Balearic Shearwater			X		III,V	
<i>Puffinus assimilis baroli</i>	Little Shearwater					V	
<i>Crex crex</i>	Corncrake	I		X			X
<i>Fulica atra</i>	Coot	II(I)	III(II)		X		X
<i>Porzana porzana</i>	Spotted Crake				X		X
<i>Rallus aquaticus</i>	Water Rail				X		X
<i>Gallinula chloropus</i>	Moorhen						X
<i>Calidris alpina schinzii</i>	Dunlin	I			X		
<i>Calidris canutus</i>	Knot			X			X
<i>Calidris alba</i>	Sanderling						X
<i>Gallinago gallinago</i>	Snipe	II(I)	III(III)		X		X
<i>Limosa lapponica</i>	Bar-tailed Godwit	I			X		X
<i>Limosa limosa</i>	Black-tailed Godwit				X		X
<i>Lymnocyptes minimus</i>	Jack-Snipe	II(I)	III(III)				
<i>Numenius arquata</i>	Curlew		II(II)	X			X
<i>Philomachus pugnax</i>	Ruff	I					X
<i>Scolopax rusticola</i>	Woodcock	II(I)	III(III)		X		X
<i>Tringa glareola</i>	Wood Sandpiper	I					X
<i>Tringa hypoleucos</i>	Common Sandpiper				X		X
<i>Tringa nebularia</i>	Greenshank				X		X
<i>Tringa totanus</i>	Redshank			X			X
<i>Tringa erythropus</i>	Spotted Redshank						X
<i>Arenaria interpres</i>	Ruddy Turnstone						X
<i>Chlidonias niger</i>	Black Tern	I					X
<i>Sterna albifrons</i>	Little Tern	I			X		X
<i>Sterna dougallii</i>	Roseate Tern	I			X	III,V	X
<i>Sterna hirundo</i>	Common Tern	I			X		X
<i>Sterna paradisaea</i>	Arctic Tern	I			X		X
<i>Sterna sandvicensis</i>	Sandwich Tern	I			X		X
<i>Asio flammeus</i>	Short-eared Owl	I			X		
<i>Nyctea scandiaca</i>	Snowy Owl	I			X		
<i>Morus bassanus</i>	Gannet				X		X
<i>Acrocephalus scirpaceus</i>	Reed Warbler				X		
<i>Locustella naevia</i>	Grasshopper Warbler				X		
<i>Phylloscopus sibilatrix</i>	Wood Warbler				X		
<i>Sylvia curruca</i>	Lesser Whitethroat				X		
<i>Lagopus lagopus</i>	Red Grouse	II(I)	III(I)	X			
<i>Tetrao urogallus cantabricus</i>	Capercaillie		III(II)				
<i>Oenanthe pleschanka</i>	Pied Wheatear	I					
<i>Oenanthe oenanthe</i>	Wheatear				X		
<i>Phoenicurus phoenicurus</i>	Redstart				X		
<i>Saxicola rubetra</i>	Whinchat				X		
<i>Turdus torquatus</i>	Ring Ouzel			X			
<i>Tyto alba</i>	Barn Owl			X			



ALL of the birds listed on the Official Irish List (see [http://www.irbc.ie/topbar/IrishList/IRBC\\_IrishList\(31122010\).pdf](http://www.irbc.ie/topbar/IrishList/IRBC_IrishList(31122010).pdf)) are protected under both the EU Birds Directive [2009/147/EC] and the Wildlife Act, 1976 (including amendments made in SI 283/1980 and SI 397/1985). If a bird that is not on the list turns up in the wild in Ireland then it is also afforded protection under the same national and european legislation.

## Invertebrates

### Bees

Species name	Common name	Red status (Fitzpatrick et al., 2006)
<i>Andrena angustior</i>		VU
<i>Andrena apicata</i>		dd
<i>Andrena barbilabris</i>		NT
<i>Andrena coitana</i>		VU
<i>Andrena denticulata</i>		VU
<i>Andrena fucata</i>		NT
<i>Andrena fulva</i>	Tawny mining bee	RE
<i>Andrena fuscipes</i>		VU
<i>Andrena helvola</i>		dd
<i>Andrena humilis</i>		CR
<i>Andrena marginata</i>		CR
<i>Andrena nigroaenea</i>		VU
<i>Andrena ovatula</i>		dd
<i>Andrena pilipes</i>		dd
<i>Andrena praecox</i>		VU
<i>Andrena rosae</i>		RE
<i>Andrena semilaevis</i>		VU
<i>Andrena stragulata</i>		dd
<i>Andrena trimmerana</i>		CR
<i>Andrena wilkella</i>		dd
<i>Bombus (P.) barbutellus</i>		EN
<i>Bombus (P.) bohemicus</i>		NT
<i>Bombus (P.) campestris</i>		VU
<i>Bombus (P.) rupestris</i>		EN
<i>Bombus cryptarum</i>		dd
<i>Bombus distinguendus</i>	Great yellow bumblebee	EN
<i>Bombus lapidarius</i>	Red-tailed bumblebee	NT
<i>Bombus magnus</i>		dd
<i>Bombus muscorum</i>		NT
<i>Bombus ruderarius</i>	Red-shanked carder bumblebee	VU
<i>Bombus sylvarum</i>	Shrill carder bumblebee	EN
<i>Coelioxys elongata</i>		EN
<i>Coelioxys inermis</i>		dd
<i>Colletes daviesanus</i>		dd
<i>Colletes floralis</i>		VU
<i>Colletes fodiens</i>		dd
<i>Colletes similis</i>		NT
<i>Halictus tumulorum</i>		NT
<i>Hylaeus brevicornis</i>		EN
<i>Hylaeus hyalinatus</i>		VU
<i>Lasioglossum lativentre</i>		CR
<i>Lasioglossum nitidiusculum</i>		VU
<i>Lasioglossum rufitarse</i>		VU
<i>Lasioglossum smeathmanellum</i>		dd
<i>Megachile centuncularis</i>		NT
<i>Megachile circumcincta</i>		dd
<i>Megachile ligniseca</i>		dd
<i>Megachile maritima</i>		NT
<i>Megachile willughbiella</i>		NT
<i>Nomada argentata</i>		CR
<i>Nomada goodeniana</i>		EN
<i>Nomada obtusifrons</i>		EN
<i>Nomada panzeri</i>		NT

Species name	Common name	Red status (Fitzpatrick et al., 2006)
<i>Nomada sheppardana</i>		RE
<i>Nomada striata</i>		EN
<i>Osmia aurulenta</i>		NT
<i>Sphecodes crassus</i>		dd
<i>Sphecodes ferruginatus</i>		EN
<i>Sphecodes gibbus</i>		CR
<i>Sphecodes hyalinatus</i>		VU
<i>Sphecodes pellucidus</i>		dd

### Butterflies

Species name	Common name	Red Status (Regan et al., 2010)
<i>Erebia ephron</i>	Mountain Ringlet	RE
<i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	EN
<i>Cupido minimus</i>	Small Blue	EN
<i>Lasiommata megera</i>	Wall	EN
<i>Argynnis aglaja</i>	Dark Green Fritillary	VU
<i>Coenonympha tullia</i>	Large Heath	VU
<i>Euphydryas aurinia</i>	Marsh Fritillary	VU
<i>Erynnis tages</i>	Dingy Skipper	NT
<i>Pyronia tithonus</i>	Gatekeeper	NT
<i>Hipparchia semele</i>	Grayling	NT
<i>Coenonympha pamphilus</i>	Small Heath	NT
<i>Leptidea sinapis</i>	Wood White	NT

### Damselflies & Dragonflies (Odonates)

Species name	Common name	Red Status (Nelson et al., 2011)
<i>Somatochlora arctica</i>	Northern Emerald	EN
<i>Cordulia aenea</i>	Downy Emerald	EN
<i>Coenagrion lunulatum</i>	Crescent Bluet	VU
<i>Ischnura pumilio</i>	Small Bluetail	VU
<i>Lestes dryas</i>	Robust Spreadwing	NT

### Mayflies (Ephemeroptera)

Species	Common name	Red Status (Kelly-Quinn & Regan, 2012)
<i>Siphonurus armatus</i>	Scarce Summer	CR
<i>Baetis atrebatinus</i>	Dark Olive	EN
<i>Ephemerella notata</i>	Yellow Hawk	EN
<i>Rhithrogena germanica</i>	March Brown	VU
<i>Procladius bifidus</i>	Pale Evening Dun	VU
<i>Leptophlebia marginata</i>	Sepia Dun	VU
<i>Kageronia fuscogrisea</i>	Brown May Dun	NT
<i>Ameletus inopinatus</i>	Upland Summer Mayfly	NT

### Non-Marine Mollusca

Species	EU HD	WA	Red Status (Byrne et al., 2009)
<i>Acanthinula aculeata</i> (Müller)			NT
<i>Acicula fusca</i> (Montagu)			VU
<i>Anisus spirorbis</i> (Linnaeus)			dd
<i>Anisus vortex</i> (Linnaeus)			VU
<i>Anodonta anatina</i> (Linnaeus)			VU
<i>Anodonta cygnea</i> (Linnaeus)			VU

Species	EU HD	WA	Red Status (Byrne <i>et al.</i> , 2009)
<i>Aplexa hypnorum</i> (Linnaeus)			VU
<i>Arianta arbustorum</i> (Linnaeus)			VU
<i>Arion fuscus</i> (Müller)			dd
<i>Arion occultus</i> Anderson			dd
<i>Geomalacus maculosus</i>	II IV	X	lc
<i>Ashfordia granulata</i> (Alder)			NT
<i>Balea perversa</i> (Linnaeus)			VU
<i>Candidula gigaxii</i> (L. Pfeiffer)			dd
<i>Cecilioides acicula</i> (Müller)			VU
<i>Cochlodina laminata</i> (Montagu)			VU
<i>Derocheras agreste</i> (Linnaeus)			dd
<i>Gyraulus laevis</i> (Alder)			EN
<i>Helicella itala</i> (Linnaeus)			VU
<i>Helicigona lapicida</i> (Linnaeus)			RE
<i>Hydrobia acuta</i> (Draparnaud)			EN
<i>Leiostryla anglica</i> (Férussac)			VU
<i>Limax cinereoniger</i> Wolf			VU
<i>Margaritifera margaritifera margaritifera</i> (Linnaeus)	II V	X	CR
<i>Margaritifera margaritifera durrovensis</i> Phillips	II V	X	CR
<i>Mercuria cf. similis</i> (Draparnaud)			EN
<i>Merdigera obscura</i> (Müller)			EN
<i>Musculium lacustre</i> (Müller)			VU
<i>Myosotella denticulata</i> (Montagu)			dd
<i>Myxas glutinosa</i> (Müller)			EN
<i>Omphiscola glabra</i> (Müller)			RE
<i>Oxyloma sarsi</i> (Esmark)			dd
<i>Pisidium conventus</i> Clessin			CR
<i>Pisidium hibernicum</i> Westerlund			NT
<i>Pisidium lilljeborgii</i> Clessin			VU
<i>Pisidium moitessierianum</i> Paladilhe			EN
<i>Pisidium pseudosphaerium</i> Schlesch			EN
<i>Pisidium pulchellum</i> Jenyns			EN
<i>Pomatias elegans</i> (Müller)			CR
<i>Pupilla muscorum</i> (Linnaeus)			EN
<i>Quickella arenaria</i> (Potiez & Michaud)			EN
<i>Radix auricularia</i> (Linnaeus)			VU
<i>Spermodea lamellata</i> (Jeffreys)			EN
<i>Sphaerium nucleus</i> (Studer)			VU
<i>Succinella oblonga</i> Draparnaud			EN
<i>Tandonia rustica</i> (Millet)			VU
<i>Testacella haliotideia</i> Draparnaud			VU
<i>Testacella maugei</i> Férussac			NT
<i>Truncatella subcylindrica</i> (Linnaeus)			CR
<i>Vallonia pulchella</i> (Müller)			VU
<i>Ventrosia ventrosa</i> (Montagu)			VU
<i>Vertigo angustior</i> Jeffreys	II V	X	VU
<i>Vertigo antivertigo</i> (Draparnaud)			VU
<i>Vertigo geyeri</i> Lindholm	II V	X	VU
<i>Vertigo lilljeborgi</i> (Westerlund)			VU
<i>Vertigo moulinsiana</i> (Dupuy)	II V	X	EN
<i>Vertigo pusilla</i> Müller, 1774			EN
<i>Vertigo pygmaea</i> (Draparnaud)			NT
<i>Vertigo substriata</i> (Jeffreys)			NT
<i>Zenobiella subrufescens</i> (Miller)			VU

Species	EU HD	WA	Red Status (Byrne <i>et al.</i> , 2009)
<i>Zonitoides excavatus</i> (Alder)			VU

*Water beetles*

Species name	Red Status (Foster <i>et al.</i> , 2009)
<i>Agabus arcticus</i> (Paykull)	NT
<i>Agabus congener</i> (Thunberg)	VU
<i>Agabus conspersus</i> (Marsham)	EN
<i>Agabus labiatus</i> (Brahm)	NT
<i>Agabus melanarius</i> Aubé	dd
<i>Augyles maritimus</i> (Guérin-Méneville)	dd
<i>Bagous alismatis</i> (Marsham)	CR
<i>Bagous brevis</i> Gyllenhal	CR
<i>Bagous collignensis</i> (Herbst)	dd
<i>Bagous frit</i> (Herbst)	VU
<i>Bagous glabrirostris</i> (Herbst)	RE
<i>Bagous limosus</i> (Gyllenhal)	CR
<i>Bagous lutosus</i> (Gyllenhal)	dd
<i>Bagous lutulentus</i> (Gyllenhal)	CR
<i>Berosus luridus</i> (L.)	CR
<i>Berosus signaticollis</i> (Charpentier)	EN
<i>Bidessus minutissimus</i> (Germar)	RE
<i>Chaetarthria seminulum</i> (Herbst)	dd
<i>Cyphon kongsbergensis</i> Munster	VU
<i>Cyphon palustris</i> Thomson	dd
<i>Cyphon punctipennis</i> Sharp	VU
<i>Donacia aquatica</i> (L.)	VU
<i>Donacia cinerea</i> Herbst	VU
<i>Donacia dentata</i> Hoppe	dd
<i>Donacia marginata</i> Hoppe	NT
<i>Donacia semicuprea</i> Panzer	RE
<i>Donacia sparganii</i> Ahrens	dd
<i>Dryops similaris</i> Bollow	NT
<i>Dytiscus circumcinctus</i> Ahrens	NT
<i>Dytiscus lapponicus</i> Gyllenhal	NT
<i>Elodes elongata</i> Tournier	dd
<i>Elodes minuta</i> (L.)	dd
<i>Elodes pseudominuta</i> Klausnitzer	dd
<i>Enicocerus exsculptus</i> (Germar)	EN
<i>Enochrus halophilus</i> (Bedel)	VU
<i>Enochrus melanocephalus</i> (Olivier)	NT
<i>Georissus crenulatus</i> (Rossi)	dd
<i>Graptodytes bilineatus</i> (Sturm)	NT
<i>Gyrinus distinctus</i> Aubé	NT
<i>Gyrinus natator</i> (L.)	NT
<i>Gyrinus urinator</i> Illiger	NT
<i>Halplus apicalis</i> Thomson	EN
<i>Halplus lineolatus</i> Mannerheim	NT
<i>Halplus variegatus</i> Sturm	VU
<i>Helophorus alternans</i> Gené	RE
<i>Helophorus arvernicus</i> Mulsant	EN
<i>Helophorus fulgidicollis</i> Motschulsky	VU
<i>Helophorus granularis</i> (L.)	EN
<i>Helophorus nanus</i> Sturm	VU
<i>Helophorus strigifrons</i> Thomson	VU
<i>Heterocerus fenestratus</i> (Thunberg)	dd
<i>Heterocerus flexuosus</i> Stephens	dd
<i>Heterocerus fossor</i> Kiesenwetter	dd

Species name	Red Status (Foster et al., 2009)
<i>Heterocerus marginatus</i> (Fab.)	dd
<i>Hydraena minutissima</i> Stephens	CR
<i>Hydraena nigrita</i> Germar	VU
<i>Hydraena pulchella</i> Germar	RE
<i>Hydraena pygmaea</i> Waterhouse	RE
<i>Hydraena rufipes</i> Curtis	EN
<i>Hydraena testacea</i> Curtis	VU
<i>Hydrochus angustatus</i> Germar	RE
<i>Hydrochus brevis</i> (Herbst)	VU
<i>Hydrochus ignicollis</i> Motschulsky	NT
<i>Hydrocyphon deflexicollis</i> (Müller)	EN
<i>Hydroporus glabriusculus</i> Aubé	EN
<i>Hydroporus longicornis</i> Sharp	EN
<i>Hydroporus morio</i> Aubé	VU
<i>Hydroporus neglectus</i> Schaum	dd
<i>Hydroporus obsoletus</i> Aubé	NT
<i>Hydroporus scalesianus</i> Stephens	NT
<i>Hydrovatus clypealis</i> Sharp	dd
<i>Hygrotus decoratus</i> (Gyllenhal)	CR
<i>Hygrotus novemlineatus</i> (Stephens)	VU
<i>Hygrotus parallelogrammus</i> (Ahrens)	dd
<i>Hygrotus versicolor</i> (Schaller)	VU
<i>Ilybius chalconatus</i> (Panzer)	VU
<i>Ilybius subaeneus</i> Erichson	VU
<i>Laccobius atratus</i> (Rottenberg)	NT
<i>Laccophilus hyalinus</i> (De Geer)	VU
<i>Laccornis oblongus</i> (Stephens)	NT
<i>Limnebius nitidus</i> (Marsham)	EN
<i>Macrolea appendiculata</i> (Panzer)	NT
<i>Nebrioporus depressus elegans</i> (Panzer)	dd
<i>Ochthebius auriculatus</i> Rey	NT
<i>Ochthebius bicolon</i> Germar	VU
<i>Ochthebius marinus</i> (Paykull)	NT
<i>Ochthebius nilssoni</i> Hebauer	VU
<i>Ochthebius poweri</i> Rye	dd
<i>Ochthebius viridis fallaciosus</i> Ganglbauer	NT
<i>Oreodytes davisii</i> (Curtis)	NT
<i>Paracymus scutellaris</i> (Rosenhauer)	NT
<i>Platambus maculatus</i> (L.)	dd
<i>Plateumaris bracata</i> (Scopoli)	CR
<i>Plateumaris rustica</i> (Kunze)	RE
<i>Prionocyphon serricornis</i> (Müller)	dd
<i>Stictotarsus multilineatus</i> (Falkenström)	NT

#### Other Invertebrates

Species		EU HD	WA	OSPAR
<i>Euphydryas aurinia</i>	Marsh fritillary	II		
<i>Austropotamobius pallipes</i>	White-clawed crayfish	II	V	X
<i>Nucella lapillus</i>	Dog whelk			X

The White-clawed crayfish, Kerry slug and Freshwater pearl mussel were added to the Wildlife Act, 1976 by regulations made in SI 112/1990.