

The Status of Peatland Biodiversity - An IPCC review of the status of peatland biodiversity from national datasets

Birds					
Common Name	Binomial Name	Habitat	Birds of Conservation Concern in Ireland (BOCCI)	EU BD?	Irish Wildlife Acts 1976
Skylark	<i>Alauda arvensis</i>	Their favourite habitats are open moorland, bogs, golf courses, commonages and sand dunes.	Amber		Yes
Greenland White-fronted Goose	<i>Anser albifrons flavirostris</i>	To a lesser extent marshes, lakes and bogs.	Amber	I	Yes
Greylag Goose	<i>Anser anser</i>	Lakes, bogs, marshes.	Amber		Yes
Meadow Pipit	<i>Anthus pratensis</i>	Open rough ground from lowland and coastal marshes to the high mountain tops.	Red		Yes
Short-eared Owl	<i>Asio flammeus</i>	Less frequently encountered inland, on open ground, mountains, bogs, etc.	Amber	I	Yes
Dunlin	<i>Calidris alpina</i>	At breeding grounds, on marshes, both coastal and inland, and at some bog lakes.	Red		Yes
Nightjar	<i>Caprimulgus europaeus</i>	Heathery hillsides and un-disturbed raised bog.	Red	I	Yes
Marsh Harrier	<i>Circus aeruginosus</i>	Reed beds & marshes, lagoons, lakes and bogs with reedy and scrubby verges.	Amber	I	Yes
Hen Harrier	<i>Circus cyaneus</i>	Will nest in moorland and heather.	Amber	I	Yes
Mute Swan	<i>Cygnus olor</i>	All freshwater habitats.	Amber		Yes
Merlin	<i>Falco columbarius</i>	Mountain moorland, blanket bog and moorland lakes.	Amber	I	Yes
Kestrel	<i>Falco tinnunculus</i>	Almost everywhere in rural areas.	Amber		Yes
Snipe	<i>Gallinago gallinago</i>	Wet grassland especially marshes and bogs.	Amber		Yes
Red Grouse	<i>Lagopus lagopus</i>	Heathery moorland and low lying raised bogs.	Red		Yes
Common Gull	<i>Larus canus</i>	Breeds in colonies on inland lakes and bogs.	Red		Yes
Lesser Black-backed Gull	<i>Larus fuscus</i>	Some breed on a few of the extensive bogs.	Amber		Yes
Black-headed Gull	<i>Larus ridibundus</i>	Breeds in large colonies on freshwater lakes, bogs & marshes.	Red		Yes
Jack Snipe	<i>Lymnocyptes minimus</i>	Wet ground, especially marshes and bogs with shorter vegetation than Snipe.	Amber		Yes
Curlew	<i>Numenius arquata</i>	During breeding season can be found on moorlands.	Red		Yes
Grey Partridge	<i>Perdix perdix</i>	Less accessible agricultural fields, bogs and fringes of marshy areas.	Red		Yes
Golden Plover	<i>Pluvialis apricaria</i>	Nests on mountains above 1000ft and on blanket bog in the west.	Red	I	Yes
Spotted Crake	<i>Porzana porzana</i>	Dense reed beds, fens and marshes.	Amber	I	Yes
Sand Martin	<i>Riparia riparia</i>	In some areas they nest in the peat face of cutaway bog.	Amber		Yes
Whinchat	<i>Saxicola rubetra</i>	Less disturbed rough areas including gorse and bramble areas on or near raised bog.	Red		Yes
Redshank	<i>Tringa totanus</i>	Breeds on coastal and inland marshes, allows and bog.	Red		Yes
<b>References:</b>	The Guide to the Birds of Ireland, Gordon D'Arcy, 1981	Nelson, B., Cummins, S., Fay, L., Jeffrey, R., Kelly, S., Kingston, N., Lockhart, N., Marnell, F., Tierney, D. and Wyse Jackson, M. (2019) Checklists of protected and threatened species in Ireland. <i>Irish Wildlife Manuals</i> , No. 116. National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht, Ireland			
%	211 species assessed, 133 species red listed, 25 peatland species = 18.79% peatland species				





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Hornworts & Liverworts

Common Name	Binomial Name	Habitat	EU HD?	FPO	Irish Red List?	Irish Wildlife Acts 1976
Ghostwort	<i>Anura mirabilis</i>	Bog woodland.		N	VU	Yes
Arch-leaved Whipwort	<i>Bazzania pearsonii</i>	Uplands, moist peaty banks.		Y	VU	Yes
Meylan's Pochwort	<i>Calypogeia intergristipula</i>	Peaty banks, blanket bog.		N	EN	Yes
Swedish Pouchwort	<i>Calypogeia suecia</i>	Exposed peat.		N	RE	Yes
Scissors Pincerwort	<i>Cephalozia loitlesbergeri</i>	Bogs.		N	VU	Yes
Blunt Pincerwort	<i>Cephalozia pleniceps</i>	Bogs.		N	VU	Yes
Red Threadwort	<i>Cephaloziella rubella</i>	Bogs.		N	VU	Yes
Heath Threadwort	<i>Cephaloziella stellulifera</i>	Heathland.		N	NT	Yes
Holt Notchwort	<i>Cladopodiella francisci</i>	Peat banks.		N	VU	Yes
Waxy Earwort	<i>Douinia Ovata</i>	Rarely on peat.		N	NT	Yes
Sea Thrillwort	<i>Fossombronina maritima</i>	Heaths.		N	NT	Yes
Turps Pouchwort	<i>Geocalyx graveolens</i>	Coastal peaty banks.		Y	EN	Yes
Wood Fingerwort	<i>Kurzia sylvatica</i>	Bogs, wet heaths, flushes, fens, wet woodland.		N	NT	Yes
Bantry Notchwort	<i>Leiocolea bantriensis</i>	Upland flushes, lowland fens.		N	NT	Yes
Gillman's Notchwort	<i>Leiocolea gillmanii</i>	Coastal flushes and fens.		Y	VU	Yes
Lesser Fen Notchwort	<i>Leiocolea rutheana</i> var. <i>rutheana</i>	Rich fens.		Y	EN	Yes
Alpine Jagged Notchwort	<i>Lophozia opacifolia</i>	Wet peat, flushes >750m		N	VU	Yes
Wood's Whipwort	<i>Mastigophora woodsii</i>	Montaine heath.		Y	NT	Yes
Ribbonwort, Veilwort	<i>Pallavicinia lyellii</i>	Bog fringes.		Y	EN	Yes
Cloud Earwort	<i>Scapania nimbosea</i>	Mountain heath.		Y	EN	Yes
Bird's-foot Earwort	<i>Scapania ornithopodioides</i>	Montaine Heath.		Y	VU	Yes
Green Blackwort	<i>Southbya tophacea</i>	Fen and tufa.		Y	CR	Yes
Irish Threadwort	<i>Telaranea europaea</i>	Peaty banks.		N	NT	Yes
Cut Notchwort	<i>Tritomaria exsecta</i>	Occasionally peat.		N	VU	Yes
References:	Mosses and Liverworts of Britain and Ireland - a field guide, British Bryological Society 2010.	Lockhart, N., Hodgetts, N. & Holyoak, D. (2012) Ireland Red List No.8: Bryophytes. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.				
%	76 species redlisted, 24 peatland species, 3.1% are peatland species		Included with Bryophytes			















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Macro-moths					
Common Name	Binomial Name	Habitat	EU HD?	Irish Red List?	
Forester	<i>Adscita statures</i>	This declining moth is found in uncultivated damp grassland, fens, sea-cliffs and the margins of coastal wetlands.		CR	
Mouse Moth	<i>Amphipyra tragopoginis</i>	Is found in many habitats including fens and sand dunes.		NT	
Minor Shoulder-knot	<i>Brachylochia viminalis</i>	This occurs in wetlands, damp woodland and heaths		VU	
Manchester Treble-bar	<i>Carsia sororiata</i>	This is a species of raised and other bogs in Britain, where it feeds on Bilberry <i>Vaccinium myrtillus</i> , Cowberry <i>V. vitis-idaea</i> and Crowberry <i>Empetrum nigrum</i> . However, these species do not occur where it is currently found in Ireland and it is thought more likely to feed here on Common Heather <i>Calluna vulgaris</i> .		CR	
Small Chocolate-tip	<i>Clostera pigra</i>	This is a species of heaths, fens, bogs and wetland habitats that have low-growing, shrubby, rough-leaved willows <i>Salix</i> spp.		NT	
Slender-striped Rufous	<i>Coenocalpe lapidata</i>	it is found on the sides of streams and flushes in bogs and heaths where there is apparently some mineral rich influence.		RE	
Beech-green Carpet	<i>Colostygia olivata</i>	It is found in woodland and heathland edge.		EN	
Dark Tussock	<i>Dicallomera fascelina</i>	a day-flying moth of wet heaths, dunes and open woodland.		NT	
Cream-bordered Green Pea	<i>Earias clorana</i>	This moth is found in fens, bogs and wet woodland but also on vegetated shingle and damp heaths with Creeping Willow <i>Salix repens</i> .		RE	
Grey Mountain Carpet	<i>Entephria caesiata</i>	Is found in upland areas on heaths and moors. The foodplants are Heather <i>Calluna vulgaris</i> and Bilberry <i>Vaccinium myrtillus</i> .		NT	
Yellow-ringed Carpet	<i>Entephria flavicinctata</i>	The habitat is flushed grassland, heaths and rocky places on base-rich rock.		CR	
Small Autumnal Moth	<i>Epirrita filigrammaria</i>	It occurs in upland areas where the larvae use Heather <i>Calluna vulgaris</i> and Bilberry <i>Vaccinium myrtillus</i> .		VU	
Small Argent & Sable	<i>Epirrhoe tristata</i>	Scattered upland localities with its foodplant Heath Bedstraw <i>Galium saxatile</i> .		VU	
Jasione Pug	<i>Eupithecia denotata</i>	This moth occurs on non-calcareous rocky coasts and heaths with its foodplant Sheep's-bit <i>Jasione montana</i> .		VU	
Saxon	<i>Hyppa rectilinea</i>	It is found in broad-leaved woodland and upland heaths.		VU	
Purple-bordered Gold	<i>Idaeia muricata</i>	This is a species of wetland habitats such as fens, heaths and wet grasslands.		EN	
Northern Drab	<i>Orthosia opima</i>	In Ireland has only been found recently on woodland/bog edge where the foodplants occur. The larvae feed on small willows <i>Salix</i> spp. and birches <i>Betula</i> spp. as well as herbaceous specie		VU	
Wood Tiger	<i>Parasemia plantaginis</i>	The Wood Tiger is a day-flying moth of wet heaths, dunes and open woodland.		NT	
Suspected	<i>Parastichtis suspecta</i>	It occurs in damp woodlands on bogs, heaths and wetlands.		RE	
Small Purple-barred	<i>Phytometra viridaria</i>	This is a day-flying moth of unimproved calcareous grassland, limestone pavements and heaths.		NT	
Argent & Sable	<i>Rheumaptera hastata</i>	It occurs in heaths, moorland and open woodland. The known foodplant on Irish sites is Bog Myrtle <i>Myrica gale</i> .		VU	
Smoky Wave	<i>Scopula ternata</i>	The foodplants are Heather <i>Calluna vulgaris</i> and Bilberry <i>Vaccinium myrtillus</i> .		VU	
Red Carpet	<i>Xanthorhoe decoloraria</i>	This is a northern species of mainly upland grassland and moorland with its main foodplants which are species of lady's-mantle <i>Alchemilla</i> spp		EN	
Sword-grass	<i>Xylena exsoleta</i>	This is an upland species occurring in grassland, heaths and open woods.		RE	
References:	Allen, D., O'Donnell, M., Nelson, B., Tyner, A., Bond, K.G.M., Bryant, T., Crory, A., Mellon, C., O'Boyle, J., O'Donnell, E., Rolston, T., Sheppard, R., Strickland, P., Fitzpatrick, U., & Regan, E. (2016) Ireland Red List No. 9: Macro-moths (Lepidoptera). National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.				
%	501 of 578 species assessed, 78 redlisted, 24 are peatland species, 30.76%				



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Mammals

Common Name	Binomial Name	Habitat	EU HD?	Irish Red List?	Irish Wildlife Acts 1976	Pressures/Threats	Range	Population	Habitat	Future Prospects	Conservation Status	Conservation Trend				
Mountain Hare	<i>Lepus timidus</i>	From the heaths and upland grasslands of mountain ranges and is only wild mammal regular seen on raised bogs throughout country.	V	LC	Yes	Afforestation, Agricultural Reclamation, Land Use Change, Development, Hunting, Invasive Species	Favourable	Favourable	Unknown	Favourable	Favourable	Stable				
Otter	<i>Lutra lutra</i>	All aquatic habitats.	II, IV	LC	Yes	Traffic, Fishing Gear, Local Threats including... Water Pollution, Changes in Prey Abundance,	Favourable	Favourable	Unknown	Favourable	Favourable	Improving				
Red Deer	<i>Cervus elaphus</i>	Have had to adapt to open upland and moorland habitats.		LC	Yes											
Pygmy Shrew	<i>Sorex munten</i>	Preference for habitats rich in ground cover including peatlands.		LC	Yes											
Red Fox	<i>Vulpes vulpes</i>	Extremely adaptable in terms of habitat requirements, woodlands, mountains, arable land and city centres.		LC	Yes											
Badger	<i>Meles meles</i>	They utilise a number of habitats types during night foraging.		LC	Yes											

Atlas of Mammals in Ireland 2010-2015, National Biodiversity Data Centre, Liam Lysaght and Ferdia Marnell, 2016

Marnell, F., Kingston, N. & Looney, D. (2009) Ireland Red List No. 3: Terrestrial Mammals. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.



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Reptiles

Common Name	Binomial Name	Habitat	EU HD?	Irish Red List?	Irish Wildlife Acts 1976	
Common Lizard	<i>Zootoca vivipara</i>	Associated with coastal and heathland habitats.		LC	WA	
		King, J.L., Marnell, F., Kingston, N., Rosell, R., Boylan, P., Caffrey, J.M., FitzPatrick, Ú., Gargan, P.G., Kelly, F.L., O'Grady, M.F., Poole, R., Roche, W.K. & Cassidy, D. (2011) Ireland Red List No. 5: Amphibians, Reptiles & Freshwater Fish. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.				

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Stoneflies

Common Name	Binomial Name	Habitat	EU HD?	Irish Red List?	Irish Wildlife Acts 1976	
	<i>Leuctra nigra</i>	Peaty catchments.		LC		
		Feeley, H.B., Baars, J-R., Kelly-Quinn, M. & Nelson, B. (2020) Ireland Red List No. 13: Stoneflies (Plecoptera). National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht, Dublin, Ireland.	20 species assessed, 3 redlisted, 1 is a peatland species, 33% of redlisted species are peatland species.			