

Scientific Name	Common Name	Which part of the life cycle is EFR?	What specific data are EFR?	Below what scale is EFR?	Vulnerability	What is the Justification?	Threat
Terrestrial higher and lower plants							
<i>Woodia alpina</i>	Alpine woodsia	All	Detailed location of individuals and populations	2 figure grid ref or 10 km sq	RDB, Sch 8 WCA	Damage by photographers, plant-collectors, public pressure (close to well-used sites)	
<i>Trichomanes speciosum</i>	Killarney fern	Sporophyte (spore-producing form of plant)	Detailed location of individuals and populations	2 figure grid ref or 10 km sq	RDB, Priority UK BAP, Annex II Habitats & Species Dir, Sch 8 WCA	Damage by photographers, plant-collectors, public pressure (close to well-used sites)	
<i>Woodia ilvensis</i>	Oblong woodsia	All	Detailed location of individuals and populations	2 figure grid ref or 10 km sq	RDB, Priority UK BAP, Sch 8 WCA	Damage by photographers, plant-collectors, public pressure (close to well-used sites)	
<i>Potentilla rupestris</i>	Rock cinquefoil	All	Detailed location of individuals and populations	2 figure grid ref or 10 km sq	RDB, Sch 8 WCA	Damage by photographers, plant-collectors, public pressure (close to well-used sites)	
<i>Cotoneaster cambricus</i>	Wild cotoneaster	All	Detailed location of individuals and populations	2 figure grid ref or 10 km sq	RDB, Priority UK BAP, Sch 8 WCA	Damage by photographers, plant-collectors, public pressure (close to well-used sites)	
Birds							
<i>Recurvirostra avosetta</i>	Avocet	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir. Scarce breeder.	Disturbance and egg collectors	
<i>Tyto alba</i>	Barn owl	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA	Disturbance	
<i>Panurus biarmicus</i>	Bearded tit	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder	Disturbance	
<i>Botaurus stellaris</i>	Bittern	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir, Priority, UK BAP, WAG S.42. Currently extinct in	Disturbance	
<i>Tetrao tetrix</i>	Black grouse	Breeding	Detailed location of lek sites	2 figure grid ref or 10 km sq	Priority UK BAP, WAG s.42	Disturbance	
<i>Cephus grylle</i>	Black gullinmot	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance	
<i>Cettia cetti</i>	Cetti's warbler	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder.	Disturbance	
<i>Pyrrhocorax pyrrhocorax</i>	Chough	Breeding and wintering	Detailed location of nest sites and winter roosts.	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir, WAG S.74.	Disturbance	
<i>Somateria mollissima</i>	Common Eider	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance and egg collectors.	
<i>Coturnix coturnix</i>	Common Quail	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance	
<i>Colinus alpinus</i>	Dunlin	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance	
<i>Regulus ignicapillus</i>	Firecrest	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder.	Disturbance	
<i>Anas querquedula</i>	Garganey	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder.	Disturbance	
<i>Accipiter gentilis</i>	Goshawk	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA	Disturbance and persecution	
<i>Circus cyaneus</i>	Hen harrier	Breeding and wintering	Detailed location of nest sites and winter roosts.	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir, WAG S.42.	Disturbance and persecution	
<i>Falco subtutor</i>	Hobby	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder.	Disturbance and persecution	
<i>Pernis ptilorhynchus</i>	Honey buzzard	Breeding	Presence of breeding pairs and detailed location of nest sites	100 km sq	Sch 1 WCA, Annex 1 Birds Dir., Scarce breeder	Disturbance and egg collectors	
<i>Charadrius dubius</i>	Little ringed plover	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA	Disturbance	
<i>Sterna albifrons</i>	Little tern	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir. Currently restricted to 1 breeding site in Wales	Disturbance and egg collectors	
<i>Asio otus</i>	Long-eared owl	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance	
<i>Circus aeruginosus</i>	Marsh harrier	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir. Not currently a regular breeder in Wales, but	Disturbance and egg collectors	
<i>Falco columbarius</i>	Merlin	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir.	Disturbance	
<i>Pandion haliaetus</i>	Osprey	Breeding	Presence of breeding pairs and detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir. Newly colonised in 2004, scarce breeder.	Disturbance and egg collectors	
<i>Falco peregrinus</i>	Peregrine	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir.	Disturbance and persecution	
<i>Aythya ferina</i>	Pochard	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder	Disturbance	
<i>Milvus milvus</i>	Red kite	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir.	Disturbance and egg collectors	
<i>Sterna dougalli</i>	Rosette tern	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir, Priority UK BAP, WAG s.42, Currently restricted	Disturbance and egg collectors	
<i>Asio flammeus</i>	Short-eared owl	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Annex 1 Birds directive Scarce breeder	Disturbance	
<i>Porzana porzana</i>	Spotted crane	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Annex 1 Birds Dir. Scarce breeder	Disturbance	
<i>Carduelis flavirostris</i>	Twite	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	WAG S.42 Scarce breeder	Disturbance	
<i>Numenius phaeopus</i>	Whimbrel	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Sch 1 WCA, Scarce breeder.	Disturbance	
<i>Anas penelope</i>	Wigeon	Breeding	Detailed location of nest sites	2 figure grid ref or 10 km sq	Scarce breeder (<30 pairs)	Disturbance	
Other terrestrial vertebrates							
All bat species ¹	All bat species	All	Detailed location of roosts on underground roost sites. Names of r	4 figure grid ref or 1 km sq	Sch 5 WCA, Annex II & IV Habitats & Species Dir, priority UK BAP	Disturbance of bats and alienation of landowner	
<i>Meles meles</i>	Badger	All	Detailed location of setts	4 figure grid ref or 1 km sq	Badgers Act 1992, Sch 5 of WCA, Annex II & IV Habitats & Species Dir, priority	Badger baiting and digging	
<i>Lutra lutra</i>	Otter	All	Detailed location of holts	4 figure grid ref or 1 km sq	Sch 5 of WCA, Annex II & IV Habitats & Species Dir, priority UK BAP	Disturbance	
Terrestrial and freshwater invertebrates							
<i>Margaritifera margaritifera</i>	Freshwater pearl mussel	Adult	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	Priority UK BAP, Annex II Habitats & Species Dir, Berne Appendix 1, Sch 5 WC	Illegal pearl-fishing invariably kills mussels	
Marine species and habitats							
All Cetaceans ²	All Cetaceans	Calving/nursery	Detailed location of adults, females with calves.	2 figure grid ref or 10 km sq	WAG S42, Annex II & IV Habitats & Species Dir, OSPAR priority species. BAP	Recreational disturbance.	
<i>Palinurus elephas</i>	Crawfish	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	UK BAP, WAG S42 Decline in Wales since 1980 (Hunter 1999)	Commercial and recreational fishing is threatening stocks.	
<i>Halichoerus grypus</i>	Grey seal	Pupping/nursery & moulting	Detailed location of adult females and pups. Detailed location of n	2 figure grid ref or 10 km sq	Annex II & V Habitats & Species Dir. Very vulnerable to disturbance at these st	Recreational disturbance.	
<i>Pecten maximus</i>	King scallop	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	Habitat where King scallop occurs may be BAP & Annex I Habitats & Species D	Commercial fishing is damaging to seabed.	
<i>Ostrea edulis</i>	Native oyster	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	UK BAP, WAG S42	Commercial fishing is threatening stocks.	
IMX.Ost (biotope code)	Oyster bed habitat	N/A	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	UK BAP, WAG S42	Commercial fishing is threatening stocks.	
<i>Aequipecten opercularis</i>	Queen scallop	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	Habitat where Queen scallop occurs may be BAP & Annex I Habitats & Species	Commercial fishing is damaging to seabed.	
<i>Hippocampus guttulatus</i>	Seahorse	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	UK BAP WAG S42, Berne Convention, CITES, OSPAR priority species. Very few	Collecting for aquaria.	
<i>Hippocampus hippocampus</i>	Short snouted seahorse	All	Detailed location and records of numbers (density) of the species	2 figure grid ref or 10 km sq	UK BAP, Berne Convention, CITES, OSPAR priority species. Currently no record	Collecting for aquaria.	