



Llywodraeth Cymru  
Welsh Government

## Environment (Wales) Act 2016

Section 7 – list of the living organisms of principal importance for the purpose of maintaining and enhancing biodiversity in relation to Wales.

Note: This interim list, which is exactly the same as the previous list under Section 42 of the NERC Act, is under review in consultation with NRW.

## Deddf yr Amgylchedd (Cymru) 2016

Adran 7 - rhestr o'r organeddau byw o'r pwysigrwydd pennaf at ddiben cynnal a gwella bioamrywiaeth mewn perthynas â Chymru.

Noder: Mae'r rhestr dros dro, sydd yn union yr un fath a'r rhestr flaenorol o dan Adran 42 o Ddeddf NERC, yn cael ei adolygu mewn ymgynghoriad â CNC.

Wales only species; † original S74 species

Rhywogaethau Cymru'n unig; † rhywogaethau Adran 74 gwreiddiol

Mammals / Mamaliad (17 species/rhywogaeth)			Revisions/Newidiadau
<i>Arvicola terrestris</i>	Water vole†	Llygoden bengron y d r	
<i>Barbastella barbastellus</i>	Barbastelle bat†	Ystlum du	
<i>Erinaceus europaeus</i>	West European hedgehog	Draenog	
<i>Lepus europaeus</i>	Brown hare†	Ysgyfarnog	
<i>Lutra lutra</i>	Otter†	Dyfrgi	
<i>Martes Martes</i>	Pine marten	Bele'r coed	
<i>Micromys minutus</i>	Harvest mouse	Llygoden yr d	
<i>Muscardinus avellanarius</i>	Dormouse†	Pathew	
<i>Mustela putorius</i>	Polecat	Ffwlbart	
<i>Myotis bechsteinii</i>	Bechstein's bat†	Ystlum Bechstein	
<i>Nyctalus noctula</i>	Noctule	Ystlum mawr	
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle†	Ystlum lleiaf	
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle†	Ystlum lleiaf meinlais	
<i>Plecotus auritus</i>	Brown long-eared bat	Ystlum hirglust	
<i>Rhinolophus ferrumequinum</i>	Greater horseshoe bat†	Ystlum pedol mwyaf	
<i>Rhinolophus hipposideros</i>	Lesser horseshoe bat†	Ystlum pedol lleiaf	
<i>Sciurus vulgaris</i>	Red squirrel†	Gwiwer goch	
Birds /Adar (51 species/rhywogaeth)			
<i>Acrocephalus paludicola</i>	Aquatic warbler†	Telwr y d r	
<i>Alauda arvensis subsp. arvensis/scotica</i>	Skylark†	Ehedydd	

<i>Anser albifrons subsp. flavirostris</i>	Greenland greater white-fronted goose	G ydd dalcen-wen yr Ynys Las	
<i>Anthus trivialis</i>	Tree pipit	Corhedydd y coed	
<i>Botaurus stellaris</i>	Great bittern†	Aderyn y bwn	
<i>Branta bernicula subsp. bernicula</i>	Dark-bellied brent goose	Gwydd ddu Siberia	
<i>Caprimulgus europaeus</i>	European nightjar†	Troellwr mawr	
<i>Carduelis cabaret</i>	Lesser redpoll	Llinos bengoch fach	
<i>Carduelis cannabina subsp. autochthona/cannabina</i>	Common linnet†	Llinos	
<i>Carduelis flavirostris subsp. bensonorum/pipilans</i>	Twite	Llinos y mynydd	
<i>Charadrius hiaticula</i>	Ringed plover	Cwtiad torchog	
<i>Circus cyaneus</i>	Hen harrier†	Boda tinwyn	
<i>Coccothraustes coccothraustes</i>	Hawfinch	Gylfinbraff	
<i>Crex crex</i>	Corncrake†	Rhegen yr d	
<i>Cuculus canorus</i>	Common cuckoo	Cog	
<i>Cygnus columbianus subsp. Bewickii</i>	Tundra swan = Bewick's swan	Alarch Bewick	
<i>Dendrocopus minor subsp. Comminutus</i>	Lesser spotted woodpecker	Cnocell fraith leiaf	
<i>Emberiza calandra subsp. calandra/clanceyi</i>	Corn bunting†	Bras yr d	
<i>Emberiza citrinella</i>	Yellowhammer†	Bras melyn	
<i>Emberiza schoeniclus</i>	Reed bunting†	Bras y cyrs	
<i>Falco tinnunculus</i>	Kestrel	Cudyll coch	
<i>Ficedula hypoleuca</i>	Pied flycatcher	Gwybedog brith	
<i>Lagopus lagopus subsp. scotica</i>	Red grouse	Grugiar goch	
<i>Lanius collurio</i>	Red-backed shrike	Cigydd cefngoch	
<i>Larus argentatus subsp. argentus</i>	Herring gull	Gwylan y penwaig	
<i>Larus ridibundus</i>	Black-headed Gull	Gwylan benddu	
<i>Limosa lapponica</i>	Bar-tailed godwit	Rhostog gynffonfraith	
<i>Locustella naevia</i>	Common grasshopper warbler	Troellwr bach	
<i>Lullula arborea</i>	Woodlark	Ehedydd y coed	
<i>Melanitta nigra</i>	Common scoter†	Môr-hwyaden ddu	
<i>Motacilla flava subsp. flavissima</i>	Yellow wagtail	Siglen felen	
<i>Muscicapa striata</i>	Spotted flycatcher†	Gwybedog mannog	
<i>Numenius arquata</i>	Eurasian curlew†	Gylfinir	
<i>Parus montanus subsp. Kleinschmidti</i>	Willow tit	Titw'r helyg	
<i>Parus palustris subsp. palustris/dresseri</i>	Marsh tit	Titw'r wern	
<i>Passer domesticus</i>	House sparrow	Aderyn y to	
<i>Passer montanus</i>	Eurasian tree sparrow†	Golfan y mynydd	
<i>Perdix perdix</i>	Grey partridge†	Petrisen	
<i>Phylloscopus sibilatrix</i>	Wood warbler	Telw'r coed	
<i>Pluvialis apricaria</i>	Golden plover†	Cwtiad aur	
<i>Prunella modularis subsp. Occidentalis</i>	Hedge accentor (Dunnock, Hedge sparrow)	Llwyd y gwrych	
<i>Puffinus mauretanicus</i>	Balearic shearwater	Aderyn drycin y Balearig	
<i>Pyrrhocorax pyrrhocorax</i>	Chough†	Brân goesgoch	
<i>Pyrrhula pyrrhula subsp. pileata</i>	Common bullfinch†	Coch y berllan	
<i>Sterna dougallii</i>	Roseate tern†	Môr-wennol wridog	

<i>Streptopelia turtur</i>	European turtle dove†	Turtur	
<i>Sturnus vulgaris subsp. vulgaris</i>	Common starling	Drudwen	
<i>Tetrao tetrix subsp. britannicus</i>	Black grouse†	Grugiar ddu	
<i>Turdus philomelos subsp. clarkei</i>	Song thrush†	Bronfraith	
<i>Turdus torquatus</i>	Ring ouzel	Mwyalchen y mynydd	
<i>Vanellus vanellus</i>	Northern lapwing†	Cornchwiglen	

<b>Fish / Pysgod (10 species/rhywogaeth)</b>			
<i>Alosa alosa</i>	Allis shad†	Herlyn	
<i>Alosa fallax</i>	Twaite shad†	Gwangen	
<i>Anguilla anguilla</i>	European eel	Llysywen	
<i>Coregonus lavaretus</i>	Whitefish (Powan, Gwyniad, or Schelly)	Gwyniad (Gwyniad Llumonwy, Gwyniad Derwennydd)	
<i>Lampetra fluviatilis</i>	River lamprey	Llysywen bendoll yr afon	
<i>Osmerus eperlanus</i>	Smelt (Sparling)	Brwyniad Conwy	
<i>Petromyzon marinus</i>	Sea lamprey	Llysywen bendoll y môr	
<i>Salmo salar</i>	Atlantic salmon	Eog	
<i>Salmo trutta</i>	Brown / Sea trout	Brithyll / Siwin	
<i>Salvelinus alpinus</i>	Arctic char	Torgoch	

<b>Reptiles and amphibians / Ymlusgiaid ac Amffibiaid (8 species/rhywogaeth)</b>			
<i>Anguis fragilis</i>	Slow-worm	Neidr ddefaid	
<i>Bufo bufo</i>	Common toad	Llyffant dafadennog	
<i>Epidalea calamita</i>	Natterjack toad†	Llyffant y twyni	
<i>Lacerta agilis</i>	Sand lizard†	Madfall y tywod	
<i>Zootoca vivipara</i>	Common lizard	Madfall	
<i>Natrix natrix</i>	Grass snake	Neidr y gwair / neidr y glaswellt	
<i>Triturus cristatus</i>	Great crested newt†	Madfall ddwr gribog	
<i>Vipera berus</i>	Adder	Gwiber	

<b>Invertebrates / Anifeiliaid Di-asgwrn-cefn (188 species/rhywogaeth)</b>			
<i>Acronicta psi</i>	Grey dagger	Bidog llwyd	
<i>Acronicta rumicis</i>	Knot grass	Bidog y tafol	
<i>Adscita statice</i>	The forester	Coediwr	
<i>Agonopterix atomella</i>	A micro-moth	Micro-wyfyfyn	
<i>Agonum scitulum</i>	A ground beetle	Chwilen ddaear	
<i>Agrochola helvola</i>	Flounced chestnut	Castan Grech	
<i>Agrochola litura</i>	Brown-spot pinion	Castan smotyn brown	
<i>Agrochola lychnidis</i>	Beaded chestnut	Castan leiniog	
<i>Allophyes oxycanthae</i>	Green Brindled crescent	Cilgant brych	
<i>Amphipoea ocullea</i>	Ear moth	Clustwyfyfyn llygeidiog	
<i>Amphipyra tragopoginis</i>	Mouse moth	Ôl-adain lyglwyd	
<i>Anania funebris</i>	A Pyralid moth	Gwyfyfyn o deulu'r Pyralidiau	
<i>Andrena tarsata</i>	A mining bee (yn GyrA)	Gwenynen durio	
<i>Apamea anceps</i>	Large nutmeg	Brithyn ocradd	
<i>Apamea remissa</i>	Dusky brocade	Brithyn llwydolau	
<i>Aporophyla lutulenta</i>	Deep-brown dart	Gwladwr brownddu	
<i>Arctia caja</i>	Garden tiger	Teigr yr ardd	
<i>Argynnis adippe</i>	High brown fritillary†	Brithyg frown	
<i>Asilus crabroniformis</i>	Hornet robber fly†	Pryf llofrudd	

<i>Asteroscopus sphinx</i>	The sprawler	Cwswll bwaog	
<i>Atethmia centrigo</i>	Centre-barred sallow	Melyn yr onnen	
<i>Austropotamobius pallipes</i>	White-clawed freshwater crayfish †	Cimwch d r croyw	
<i>Bembidion quadripustulatum</i>	A ground beetle	Chwilen ddaear	
<i>Bembidion testaceum</i>	A ground beetle †	Chwilen ddaear	
<i>Bidessus minutissimus</i>	A diving beetle †	Chwilen blymio	
<i>Blepharita adusta</i>	Dark brocade	Pali tywyll	
<i>Boloria euphrosyne</i>	Pearl-bordered fritillary †	Britheg berlog	
<i>Boloria selene</i>	Small pearl-bordered fritillary	Britheg berlog fach	
<i>Bombus humilis</i>	Brown-banded carder-bee †	Cardwenynen lwydfrown	
<i>Bombus muscorum</i>	Moss carder-bee	Cardwenynen y mwsogl	
<i>Bombus ruderarius</i>	Red-shanked carder-bee	Cardwenynen goesgoch	
<i>Bombus ruderatus</i>	Large garden bumblebee	Gwenynen bwm yr ardd	
<i>Bombus sylvarum</i>	Shrill carder-bee †	Cardwenynen feinlais	
<i>Brachylomia viminalis</i>	Minor shoulder-knot	Gwargwlwm bach	
<i>Brachyptera putata</i>	Northern February red †	Coch y mis bach (math o bryf cerrig)	
<i>Calosoma inquisitor</i>	A ground beetle	Chwilen ddaear	
<i>Carabus monilis</i>	A ground beetle	Chwilen ddaear	
<i>Caradrina morpheus</i>	Mottled rustic	Gwladwr brith	
<i>Celaena haworthii</i>	Haworth's minor	Gwyfyn plu'r gweunydd	
<i>Celaena leucostigma</i>	The crescent	Clustwyfyn cilgantog	
<i>Chesias legatella</i>	The streak	Rhesen y banadl	
<i>Chesias rufata</i>	Broom-tip	Rhesen gam	
<i>Chiasmia clathrata</i>	Latticed heath	Seffyr delltog	
<i>Chlaenius tristis</i>	A ground beetle	Chwilen ddaear lwydaidd	
<i>Chrysis fulgida</i>	A ruby-tailed wasp	Cacynen gynffon ruddem	
<i>Cicindela hybrida</i>	A tiger beetle †	Chwilen deigr groesryw	
<i>Clitorisma rustica</i>	A Stiletto-fly †	Pryf pigfain	
<i>Coenagrion mercuriale</i>	Southern damselfly †	Mursen Penfro	
<i>Coenonympha pamphilus</i>	Small heath	Gweirlöyn bach y waun	
<i>Coenonympha tullia</i>	Large heath	Gweirlöyn mawr y waun	
<i>Cosmia diffinis</i>	White-spotted pinion †	Llwyfwyfyn brith	
<i>Cossus cossus</i>	Goat moth	Gwyfyn drewllyd	
<i>Cryptocephalus decemmaculatus</i>	A leaf beetle / Ten spotted beetle	Chwilen ddail ddeg smotyn	
<i>Cupido minimus</i>	Small blue	Glesyn bach	
<i>Cyclophora pendularia</i>	Dingy mocha	Moca tywyll	
<i>Cylindera germanica</i>	A tiger beetle †	Chwilen deigr	
<i>Cymatophorima diluta</i>	Oak lutestring	Tant y derw	
<i>Dasypolia templi</i>	Brindled ochre	Cwswll melynaidd	
<i>Diarsia rubi</i>	Small square-spot	Smotyn sgwâr bach	
<i>Diloba caeruleocephala</i>	Figure of eight	Crwbach ffigwr wyth	
<i>Dipoena inornata</i>	A Comb-footed spider	Copyn/corryn coes gribog	

<i>Dolomedes plantarius</i>	Fen raft spider†	Corryn rafftio'r ffen	
<i>Donacia aquatica</i>	A reed beetle	Chwilen gyrs	
<i>Donacia bicolora</i>	A reed beetle	Chwilen gyrs	
<i>Ecliptopera silaceata</i>	Small phoenix	Ffenics bach	
<i>Empis limata</i>	A dance fly	Pryf dawnsio	
<i>Ennomos erosaria</i>	September thorn	Carplog Medi	
<i>Ennomos fuscantaria</i>	Dusky thorn	Carplog tywyll	
<i>Ennomos quercinaria</i>	August thorn	Carplog Awst	
<i>Entephria caesiata</i>	Grey mountain carpet	Brychan llwyd y mynydd	
<i>Epirrhoe galiata</i>	Galium carpet	Brychan y friwydd	
<i>Erigone welchi</i>	A money-spider	Copyn lwcus	
<i>Eriopygodes imbecilia</i>	The silurian	Gwyfyn Gwent	
<i>Erynnis tages</i>	Dingy skipper	Y gwibiwr llwyd	
<i>Eucera longicornis</i>	Long-horned Bee	Gwynnen gorniog	
<i>Eugnorisma glareosa</i>	Autumnal rustic	Gwladwr yr hydref	
<i>Eulithis mellinata</i>	The spinach	Brychan cyrens	
<i>Eurodryas aurinia</i>	Marsh fritillary†	Britheg y gor	
<i>Eustroma reticulatum</i>	Netted carpet moth†	Brychan rhwydog	
<i>Euxoa nigricans</i>	Garden dart	Dart y gerddi	
<i>Euxoa tritici</i>	White-line dart	Dart gwynresog	<b>Added SG6 item 13</b>
<i>Formicoxenus nitidulus</i>	Shining guest ant	Morgrugyn gwestai gloyw	
<i>Graphiphora augur</i>	Double dart	Dart deunod	
<i>Gryllotalpa gryllotalpa</i>	Mole cricket	Cricsyn y tes	
<i>Hagenella clathrata</i>	A caddis fly (yn gyra)	Pryf gwellt delltog	
<i>Haplodrassus dalmatensis</i>	A spider	Copyn/corryn	
<i>Harpalus melancholicus</i>	A ground beetle	Chwilen ddaear	
<i>Heliophobus reticulata</i>	Bordered gothic†	Rhwyll ymylog	
<i>Hemaris tityus</i>	Narrow-bordered bee hawk-moth†	Gwalchwyfyn gwynnaidd ymyl gul	
<i>Hemistola chrysoprasaria</i>	Small emerald	Emrallt barf yr hen r	
<i>Hepialus humuli</i>	Ghost moth	Chwimwyfyn rhithiol	
<i>Hipparchia semele</i>	Grayling	Gweirlöyn llwyd	
<i>Hoplodrina blanda</i>	The rustic	Llwyd llyfn	
<i>Hydraecia micacea</i>	Rosy rustic	Gwladwr gwridog	
<i>Hydrochara caraboides</i>	Lesser silver water beetle†	Chwilen-blymio ariannaidd leiaf (Gwell: chwilen blymio ariannaidd fach)	
<i>Hydroporus rufifrons</i>	A diving beetle†	Chwilen blymio	
<i>Idea contiguarua</i>	Weaver's wave	Ton Gwynedd	
<i>Idaea dilutaria</i>	Silky wave†	Ton sidan	
<i>Idiocera sexguttata</i>	A crane fly	Pryf teiliwr chwe smotyn	
<i>Isogenus nubecula</i>	A stonefly	Pryf cerrig	
<i>Jodia croceago</i>	Orange upperwing†	Uwchadain oren	
<i>Lampronia capitella</i>	Currant shoot-borer	Tyllwr egin cwrens	
<i>Lasiommata megera</i>	Wall brown	Gweirlöyn y cloddiau	
<i>Leptidea sinapis</i>	Wood white	Gwyn y coed	
<i>Limnitis camilla</i>	White admiral	Mantell wen	
<i>Lipsothrix errans</i>	A crane fly†	Pryf teiliwr crwydrol	
<i>Lipsothrix nervosa</i>	A crane fly†	Pryf teiliwr gieuog	
<i>Lipsothrix nigristigma</i>	A crane fly	Pryf teiliwr smotyn du	
<i>Lophopus crystallinus</i>	A freshwater bryozoan	Bryosoad d r croyw	

<i>Lucanus cervus</i>	Stag beetle†	Chwilen gorniog	
<i>Lycia hirtaria</i>	Brindled beauty	Rhisglyn brith	
<i>Lycia zonaria subsp. britannica</i>	Belted beauty†	Rhisglyn y morfa	
<i>Macaria wauaria</i>	V moth	Seffyr y ffyrch	
<i>Malacosoma neustria</i>	The lackey	Gwaswyfyn	
<i>Margaritifera margaritifera</i>	Freshwater pearl mussel†	Misglen berlog yr afon	
<i>Mecopisthes peusi</i>	A money spider	Corryn lwcus	
<i>Meioneta mollis</i>	A money spider	Corryn lwcus	
<i>Melanchra persicariae</i>	Dot moth	Gwyfyn dotiog	
<i>Melanchra pisi</i>	Broom moth	Gwyfyn y banadl	
<i>Melanthia procellata</i>	Pretty chalk carpet	Brychan hardd y calch	
<i>Meloe proscarabaeus</i>	An oil-beetle	Chwilen olew	
<i>Meloe rugosus</i>	An oil-beetle	Chwilen olew	
<i>Meloe violaceus</i>	An oil-beetle	Chwilen olew	
<i>Meotica anglica</i>	A rove beetle†	Chwilen grwydr	
<i>Mesoligia literosa</i>	Rosy minor	Corrach gwridog	
<i>Minoa murinata</i>	Drab looper	Dolennwr llwydfelyn	
<i>Monocephalus castaneipes</i>	A money spider	Corryn lwcus	
<i>Mythimna comma</i>	Shoulder-striped wainscot	Gwensgod gwar rhesog	
<i>Myxas glutinosa</i>	Glutinous snail†	Malwen ludiog	
<i>Nemapogon picarella</i>	A micro-moth	Micro-wyfyn	
<i>Nematopogon magna</i>	A micro-moth	Micro-wyfyn	
<i>Nigrobaetis niger</i>	Iron blue mayfly	Gwybedyn Mai haearnlas	
<i>Noctua orbona</i>	Lunar yellow underwing†	Isadain felen loerol	
<i>Notioscopus sarcinatus</i>	A money spider	Corryn lwcus	
<i>Ochthebius poweri</i>	A water beetle	Chwilen dd r	
<i>Odontomyia hydroleon</i>	A soldier fly†	Pryf soldiwr	
<i>Odynerus melanocephalus</i>	A mason-wasp	Saerbicwnen benddu	
<i>Omphiscola glabra</i>	Mud snail	Malwen y llaid	
<i>Orthonama vittata</i>	Oblique carpet	Brychan lletraws	
<i>Orthosia gracilis</i>	Powdered quaker	Crynwr llychlyd	
<i>Osmia parietina</i>	A mason bee†	Saerwenynen	
<i>Osmia xanthomelana</i>	A mason bee†	Saerwenynen	
<i>Panagaeus cruxmajor</i>	A ground beetle†	Chwilen ddaear	
<i>Pelurga comitata</i>	Dark spinach	Brychan y wermod	
<i>Perizoma albulata subsp. albulata</i>	Grass rivulet	Gwregys y gwair	
<i>Philodromus fallax</i>	A running crab-spider	Cranc-gorryn y tywod	
<i>Phyllonorycter sagitella</i>	A micro-moth	Micro-wyfyn	
<i>Pisidium tenuilineatum</i>	Fine-lined pea mussel†	Misglen rhesi main	
<i>Plebejus argus</i>	Silver-studded blue†	Glesyn serenog	
<i>Polia bombycina</i>	Pale shining brown†	Gwyfyn arenau disglair	
<i>Potamanthus luteus</i>	A mayfly	Gwybedyn Mai	
<i>Pseudanodonta complanata</i>	Depressed river mussel†	Misglen yr afon bantiog	
<i>Pyrausta sanguinalis</i>	A pyralid moth	Perl coch ac aur	
<i>Pyrgus malvae</i>	Grizzled skipper	Gwibiwr brith	
<i>Rhabdomastix japonica</i>	A crane-fly	Pryf teiliwr	
<i>Rheumaptera hastata</i>	Argent and sable†	Brychan du a gwyn	
<i>Rhizedra lutosa</i>	Large wainscot	Gwelltwyfyn mawr	<b>Added SG6 item 13</b>
<i>Saaristoa firma</i>	A money spider	Corryn lwcus	

<i>Sabra harpagula</i>	Scarce hook tip	Bachadain brin	
<i>Satyrrium w-album</i>	White letter hairstreak	Brithribin wen	
<i>Scopula marginepunctata</i>	Mullein wave	Ton arfor	
<i>Scotopteryx bipunctaria</i>	Chalk carpet	Brychan y calch	
<i>Scotopteryx chenopodiata</i>	Shaded broad-bar	Rhesen lydan dywyll	
<i>Sitticus caricis</i>	A jumping spider	Corryn neidio	
<i>Spilosoma lubricipeda</i>	White ermine	Ermin gwyn	
<i>Spilosoma luteum</i>	Buff ermine	Ermin llwydfelyn	
<i>Stilbia anomala</i>	The anomalous	Llwyd gloyw	
<i>Synanthedon scoliaeformis</i>	Welsh clearwing†	Cliradain Gymreig	
<i>Synaptus filiformis</i>	Hairy click beetle†	Chwilen glec flewog	
<i>Thecla betulae</i>	Brown hairstreak†	Brithribin brown	
<i>Thinobius newberyi</i>	A rove beetle†	Chwilen grwydr	
<i>Tholera cespitis</i>	Hedge rustic	Rhwyll y crawcwellt	
<i>Tholera decimalis</i>	Feathered gothic	Rhwyll bluog	
<i>Timandra comae</i>	Blood-vein	Gwyfyn gwythïen goch	
<i>Trichiura crataegi</i>	Pale eggar	Wylun gwelw	
<i>Tyria jacobaeae</i>	The cinnabar	Teigr y benfelen	
<i>Vertigo angustior</i>	Narrow-mouthed whorl snail†	Malwen droellog geg gul	
<i>Vertigo geyeri</i>	Geyer's whorl snail†	Malwen droellog Geyer	
<i>Vertigo moulinsiana</i>	Desmoulin's whorl snail†	Malwen droellog Desmoulin	
<i>Watsonalla binaria</i>	Oak Hook-tip	Bachadain y derw	
<i>Xanthia gilvago</i>	Dusky-lemon sallow	Melyn y llwyf	
<i>Xanthia icteritia</i>	The sallow	Melyn penfelyn	
<i>Xanthorhoe decoloraria</i>	Red carpet	Brychan coch	
<i>Xanthorhoe ferrugata</i>	Dark-barred twin-spot carpet	Brychan deusmotiog tywyll	
<i>Xestia agathina</i>	Heath rustic	Clai'r rhos	
<i>Xestia ashworthii</i>	Ashworth's rustic	Gwladwr Cymreig	
<i>Xestia castanea</i>	Neglected rustic	Clai'r waun	
<i>Xylena exsoleta</i>	Sword-grass†	Cleddwyfyn cyffredin	

<b>Vascular plants / Planhigion fasnwlaid (77 species and 1 Hieracium sp. Group/ 77 rhywogaeth ac 1 gr p Hieracium)</b>			
<i>Artemisia campestris subsp. maritima</i>	Field wormwood	Y feidiog ddi-sawr	
<i>Asparagus prostratus</i>	Wild asparagus†	Merllys gorweddol	
<i>Asplenium trichomanes subsp. pachyrachis</i>	A maidenhair spleenwort	Duegredynen gwallt y forwyn	
<i>Blysmus compressus</i>	Flat-sedge	Corsfrwynen arw	
<i>Bupleurum tenuissimum</i>	Slender Hare`s-ear	Paladr trwyddo eiddilddail	
<i>Campanula patula</i>	Spreading bellflower†	Clychlys ymledol	
<i>Carex divisa</i>	Divided sedge	Hesgen ranedig	
<i>Centaurea cyanus</i>	Cornflower	Glas yr d	
<i>Centaureum scilloides</i>	Perennial centaury	Canrhi barhaol	
<i>Cephalanthera longifolia</i>	Narrow-leaved Helleborine	Caldrist gulddail	
<i>Cerastium nigrescens (=Cerastium arcticum)</i>	Arctic mouse-ear	Clust-y-llygoden ogleddol	<b>Taxonomic revision SG13'</b>
<i>Chamaemelum nobile</i>	Chamomile†	Camri	
<i>Cicendia filiformis</i>	Yellow centaury	Canrhi felen eiddil	
<i>Clinopodium acinos</i>	Basil thyme	Brenhinllys y maes	

<i>Cotoneaster cambricus</i>	Wild cotoneaster†	Cotoneaster y Gogarth	
<i>Dactylorhiza purpurella</i> var. <i>cambrensis</i> (= <i>Dactylorhiza purpurella</i> subsp. <i>cambrensis</i> )	A Marsh orchid	Tegeirian y gors	<b>Taxonomic revision SG 13<sup>1</sup></b>
<i>Dactylorhiza viridis</i>	Frog orchid	Tegeirian y broga	
<i>Dianthus armeria</i>	Deptford pink†	Penigan y porfeydd	
<i>Euphrasia cambrica</i>	An eyebright†	Effros Cymreig	
<i>Euphrasia officinalis</i> subsp. <i>anglica</i> (= <i>Euphrasia anglica</i> )	Glandular eyebright	Effros Lloegr	<b>Taxonomic revision SG 13<sup>1</sup></b>
<i>Euphrasia ostenfeldii</i>	An eyebright	Effros Ostenfeld	
<i>Euphrasia pseudokernerii</i>	Chalk eyebright	Effros y calch	
<i>Euphrasia rivularis</i>	An eyebright†	Effros y nant	
<i>Euphrasia officinalis</i> subsp. <i>monticola</i> (= <i>Euphrasia rostkoviana</i> subsp. <i>montana</i> )	An eyebright	Effros	<b>Taxonomic revision SG 13<sup>1</sup></b>
<i>Fumaria purpurea</i>	Purple ramping-fumitory†	Mwg y ddaear glasgoch	
<i>Galeopsis angustifolia</i>	Red hemp-nettle†	Y Benboeth gulddail	
<i>Galeopsis segetum</i>	Downy hemp-nettle	Y Benboeth	
<i>Galeopsis speciosa</i>	Large-flowered hemp-nettle	Y Benboeth amryliw	
<i>Gentianella anglica</i>	Early gentian	Crwynllys cynnar	
<i>Gentianella campestris</i>	Field gentian†	Crwynllys y maes	
<i>Gentianella uliginosa</i>	Dune gentian†	Crwynllys Cymreig	
<i>Gymnadenia borealis</i>	Northern fragrant orchid	Tegeirian pêr gogleddol	
<i>Gymnadenia conopsea</i>	Fragrant orchid	Tegeirian pêr	
<i>Gymnadenia densiflora</i>	Marsh fragrant orchid	Tegeirian pêr y gors	
<i>Hammerbya paludosa</i>	Bog orchid	Tegeirian bach y gors	
<i>Hieracium</i> spp.: <i>Hieracium angustatiforme</i> <i>Hieracium breconicola</i> <i>Hieracium reticulum</i> <i>Hieracium radyrense</i> <i>Hieracium snowdoniense</i> <i>Hieracium subminutidens</i>	6 threatened endemic species	6 rhywogaeth endemig dan fygythiad	
<i>Hordeum marinum</i>	Sea barley	Haidd y morfa	
<i>Hypopitys monotropa</i> (= <i>Monotropa hypopitys</i> )	Yellow bird`s-nest	Cytwf	<b>Taxonomic revision SG 13 G<sup>1</sup></b>
<i>Hypopitys monotropa</i> subsp. <i>hypophegea</i> (= <i>Monotropa hypopitys</i> subsp. <i>hypophegea</i> )	A bird`s-nest	Cytwf	<b>Taxonomic revision SG 13 G<sup>1</sup></b>
<i>Hypopitys monotropa</i> subsp. <i>monotropa</i> (= <i>Monotropa hypopitys</i> subsp. <i>hypopitys</i> )	A bird`s-nest	Cytwf	<b>Taxonomic revision SG 13 G<sup>1</sup></b>
<i>Juniperus communis</i>	Juniper†	Merywen	
<i>Juniperus communis</i> subsp. <i>hemisphaerica</i>	A juniper	Merywen	
<i>Liparis loeselii</i>	Fen orchid†	Gefell-lys y fignen	
<i>Luronium natans</i>	Floating water plantain†	D r-lyriad nofiadwy	
<i>Lycopodiella inundata</i>	Marsh clubmoss†	Cnwp-fwsogl y gors	
<i>Lycopodium clavatum</i>	Stag`s-horn clubmoss	Cnwp-fwsogl corn carw	
<i>Matthiola sinuata</i>	Sea stock	Murwyll arfor	
<i>Melittis melissophyllum</i>	Bastard balm	gwynynog	
<i>Mentha pulegium</i>	Pennyroyal†	Brymllys	
<i>Neotinea ustulata</i>	Burnt orchid	Tegeirian llosg	
<i>Oenanthe fistulosa</i>	Tubular water-dropwort	Cegiden bibellaidd	



<i>Ophrys insectifera</i>	Fly orchid	Tegeirian y clêr	
<i>Pilularia globulifera</i>	Pillwort†	Pelenllys	
<i>Platanthera bifolia</i>	Lesser butterfly-orchid	Tegeirian llydanwyrdd bach	
<i>Poa glauca</i>	Glaucous meadow-grass	Gweunwelt llwydlas	
<i>Polystichum lonchitis</i>	Holly-fern	Rhedynen gelyn	
<i>Potamogeton compressus</i>	Grass-wrack pondweed†	Dyfrllys camleswellt	
<i>Potentilla rupestris</i>	Rock cinquefoil†	Pumnaalen y graig	
<i>Pseudorchis albida</i>	Small-white orchid	Tegeirian bach gwyn	
<i>Pulicaria vulgaris</i>	Small fleabane	Cedowydd	
<i>Ranunculus arvensis</i>	Corn buttercup	Blodyn-y-menyn yr d	
<i>Ranunculus tripartitus</i>	Three-lobed water-crowfoot†	Crafanc-y-frân dridarn	
<i>Rumex rupestris</i>	Shore dock†	Tafolen y traeth	
<i>Salsola kali subsp. kali</i>	Prickly saltwort	Helys pigog	
<i>Saxifraga cespitosa</i>	Tufted saxifrage	Tormaen siobynnog	
<i>Scandix pecten-veneris</i>	Shepherd's needle†	Crib Gwener	
<i>Scleranthus annuus</i>	Annual knawel	Dinodd unflwydd	
<i>Scleranthus annuus subsp. annuus</i>	Annual knawel	Dinodd unflwydd	
<i>Silene gallica</i>	Small - flowered catchfly†	Gludlys amryliw	
<i>Sorbus eminens</i>	A whitebeam	Cerddinen Mynwy	
<i>Sorbus leptophylla</i>	A whitebeam	Cerddinen Gymreig	
<i>Sorbus leyana</i>	Ley's whitebeam†	Cerddinen y darren fach	
<i>Sorbus minima</i>	A whitebeam	Cerddinen wen fach	
<i>Stellaria palustris</i>	Marsh stitchwort	Serenllys llwydlas	
<i>Trollius europaeus</i>	Globe-flower	Cronnell	
<i>Vicia orobus</i>	Wood bitter-vetch	Ffachysen chwerw	
<i>Viola lactea</i>	Pale dog-violet	Fioled welw	
<i>Woodsia ilvensis</i>	Oblong woodsia†	Cor-redynen hirgul	

<b>Lichens /Cen (67 species and 2 communities)</b>			
<i>Anaptychia ciliaris subsp. ciliaris</i>	A lichen	Prysgwydden y coed	
<i>Arthonia atlantica</i>	A lichen	Cen	
<i>Bacidia circumspecta</i>	A lichen	Cen	
<i>Bacidia incompta</i>	A lichen†	Cen	
<i>Biatoridium monasteriense</i>	A lichen†	Cen	
<i>Blarneya hibernica</i>	A lichen	Cen	
<i>Bryoria smithii</i>	A lichen†	Cen	
<i>Buellia hyperbolica</i>	A lichen	Cen	
<i>Calicium adpersum</i>	A lichen	Cen	
<i>Caloplaca atroflava</i>	A lichen	Cen	
<i>Caloplaca flavorubescens</i>	A lichen	Cen	
<i>Caloplaca herbidella</i>	A lichen	Cen	
<i>Caloplaca lucifuga</i>	A lichen	Cen	
<i>Caloplaca luteoalba</i>	Orange-fruited elm lichen†	Cen llwyfen ffrwythau oren	
<i>Chaenotheca phaeocephala</i>	A lichen†	Cen	
<i>Cladonia peziziformis</i>	A lichen†	Cen	
<i>Collema dichotomum</i>	River-jelly lichen†	Cen gwymonaidd yr afon	
<i>Collema fasciculare</i>	A lichen	Cen	
<i>Collema fragile</i>	A lichen	Cen	

<i>Collema fragrans</i>	A lichen	Cen	
<i>Cryptolechea carneolutea</i>	A lichen	Cen	<b>Added SG 13 G</b>
<i>Endocarpon adscendens</i>	A lichen	Cen	
<i>Fulgensia fulgens</i>	A lichen	Wygen y twyni	
<i>Fuscopannaria sampaiana</i>	A lichen	Cen	
<i>Gomphillus calycioides</i>	A lichen	Cen	
<i>Graphina pauciloculata</i>	A lichen†	Cen	
<i>Gyalecta flotowii</i>	A lichen	Cafneddgen Flotow	
<i>Heterodermia leucomela</i>	Ciliate strap-lichen†	Cen rhuban blewog	
<i>Lecania chlorotiza</i>	A lichen	Cen	
<i>Lecanographa amylacea</i>	A lichen	Cen	
<i>Lecanora achariana</i>	Tarn lecanora	Cen llyn mynydd	
<i>Lecanora quercicola</i>	A lichen	Cen	
<i>Lecanora sublivescens</i>	A lichen	Cen	
<i>Leptogium brebissonii</i>	A lichen	Cen	
<i>Leptogium cochleatum</i>	A lichen	Cen	
Lobarion community	A lichen community	Cymuned o gen ( <i>Lobarion</i> )	<b>See Annex 1</b>
<i>Megalospora tuberculosa</i>	A lichen	Cen	
<i>Melaspilea lentiginosa</i>	A lichenicolous fungus	Un o'r ffyngau cen	
Mine site community	A lichen community	Cymuned o gen ( <i>safleoedd mwynglawdd</i> )	<b>See Annex 1</b>
<i>Opegrapha prosodea</i>	A lichen	Cen	
<i>Parmelina carporrhizans</i> [= <i>Parmelina quercina</i> ]	A lichen	Cen	<b>Taxonomic revision SG 13 G<sup>3</sup></b>
<i>Parmeliella testacea</i>	A lichen	Cen	
<i>Parmelinopsis horrescens</i>	A lichen	Cen	
<i>Parmotrema robustum</i>	A lichen	Cen	
<i>Peltigera venosa</i>	A lichen	Cen	
<i>Pertusaria velata</i>	A lichen	Cen	
<i>Physcia tribacioides</i>	Southern grey physcia	Ffysgia llwyd y de	
<i>Porina effilata</i>	A lichen	Cen	
<i>Porina hibernica</i>	A lichen	Cen	
<i>Pseudocyphellaria intricata</i>	A lichen	Cedennog blawd llwyd	
<i>Pseudocyphellaria lacerata</i>	Ragged pseudocyphellaria	Cen cedennog llarpiog	
<i>Pseudocyphellaria norvegica</i>	A lichen†	Cen	
<i>Pyrenula hibernica</i>	A lichen	Cen	
<i>Pyrenula nitida</i>	A lichen	Cen	
<i>Ramonia chrysophaea</i>	A lichen	Cen	
<i>Ramonia dictyospora</i>	A lichen	Cen	
<i>Rinodina isidioides</i>	A lichen	Cen	
<i>Schismatomma graphidioides</i>	A lichen†	Cen	
<i>Stereocaulon delisei</i>	A lichen	Cen	
<i>Stereocaulon symphycheilum</i>	A lichen	Cen	
<i>Sticta canariensis</i>	A lichen	Pysg-gen glas	
<i>Strangospora microhaema</i>	A lichen	Cen	
<i>Strigula stigmatella</i> var. <i>stigmatella</i>	A lichen	Cen	
<i>Synalissa symphorea</i>	A lichen	Cen	
<i>Teloschistes flavicans</i>	Golden hair-lichen	Cen eurwallt	
<i>Toninia sedifolia</i>	A lichen	Cen	
<i>Usnea articulata</i>	A lichen	Brig-far flodeuog	
<i>Usnea florida</i>	A lichen	Cen	
<i>Wadeana dendrographa</i>	A lichen	Cen	

<b>Mosses and liverworts / Mwsoglau a Llysiau'r Afu (52 species and 1assemblage)</b>			
<i>Anoina rigida</i>	Rigid Aloe-moss		<b>Added SG 15 H</b>
<i>Anomodon longifolius</i>	Long-leaved tail-moss†	Cynffon-fwsogl hirddail	
<i>Barbilophozia kunzeana</i>	Bog paw-wort	Pawen-fwsogl y gors	
<i>Bartramia stricta</i>	Rigid apple-moss	Afal-fwsogl anystwyth	
<i>Bryum calophyllum</i>	Matted bryum	Edeufwsogl cedennog	
<i>Bryum gemmiparum</i>	Welsh thread-moss	Edeufwsogl Cymreig	
<i>Bryum intermedium</i>	Many seasoned Thread-moss		<b>Added SG 15 H</b>
<i>Bryum knowltonii</i>	Knowlton's thread-moss	Edeufwsogl Knowlton	
<i>Bryum marratii</i>	Baltic bryum	Edeufwsogl y Baltig	
<i>Bryum muehlenbeckii</i>	Muehlenbeck's Threadmoss		<b>Added SG 15 H</b>
<i>Bryum warneum</i>	Sea bryum†	Edeufwsogl arfor	
<i>Buxbaumia aphylla</i>	Brown Shield-moss		<b>Added SG 15 H</b>
<i>Cephaloziella calyculata</i>	Entire threadwort	Llysiau'r afu edafeddog cyfan	
<i>Cephaloziella nicholsonii</i>	Greater copperwort†	Llysiau'r afu mawr y copr	
<i>Cephaloziella massalongii</i>	Lesser Copperwort		<b>Added SG 15 H</b>
<i>Daltonia splachnoides</i>	Irish Daltonia		<b>Added SG 13 G</b>
<i>Dendrocryphaea lamyana</i> (= <i>Cryphaea lamyana</i> )	Multi-fruited river moss†	Mwsogl afon aml-ffrwythog	<b>Taxonomic revision SG 13 G<sup>2</sup></b>
<i>Dicranodontium asperulum</i>	Orange Bow-moss		<b>Added SG 15 H</b>
<i>Dicranum undulatum</i> (= <i>Dicranum bergeri</i> )	Waved Fork-moss	Crafancfwsogl tonnog	<b>Taxonomic revision SG 13 G<sup>2</sup></b>
<i>Didymodon tomaculosus</i>	Sausage beard-moss	Mwsogl barfog cnapiau hirion	
<i>Ditrichum plumbicola</i>	Lead-moss†	Mwsogl plwm	
<i>Ditrichum subulatum</i>	Awl-leaved ditrichum	Crafancfwsogl y mynawyd	
<i>Entosthodon pulchellus</i> (= <i>Funaria pulchella</i> )	Pretty cord-moss	Rheffynfwsogl hardd	<b>Taxonomic revision SG 13 G<sup>2</sup></b>
<i>Fissidens curvatus</i>	Portuguese pocket-moss	Pocedfwsogl Portiwgal	
<i>Fossombronia fimbriata</i>	Fragile Frillwort		<b>Added SG 15 H</b>
<i>Fossombronia foveolata</i>	Pitted frillwort	Crychfwsogl tyllog	
<i>Grimmia arenaria</i>	Nodding Donn's Grimmia		<b>Added SG 15 H</b>
<i>Habrodon perpusillus</i>	Lesser squirrel-tail moss	Mwsogl cynffon gwiwer fechan	
<i>Leiocolea fitzgeraldiae</i>	Fitzgerald's Notchwort		<b>Added SG 15 H</b>
<i>Leptodon smithii</i>	Prince of Wales feather-moss	Mwsogl (pluenfwsogl Smith)	
<i>Meesia uliginosa</i>	Broadnerved Hump-moss		<b>Added SG 15 H</b>
<i>Micromitrium tenerum</i>	Milimetre Moss		<b>Added SG 13 G</b>
Oceanic Ravine Assemblage	A Bryophyte Assemblage	<b>See Annex 1</b>	<b>Added SG 15 H</b>
<i>Orthotrichum obtusifolium</i>	Blunt leaved Bristle-moss		<b>Added SG 13 G</b>
<i>Orthotrichum pumilum</i>	Dwarf Bristle-moss		<b>Added SG 15 H</b>
<i>Pallavicinia lyellii</i>	Veilwort†	Llysiau'r afu gwylaeth y gors	
<i>Paraleptodontium recurvifolium</i>	Drooping leaved Beard-moss		<b>Added SG 15 H</b>
<i>Petalophyllum ralfsii</i>	Petalwort†	Llysiau'r afu petalaidd	
<i>Pseudocalliergon lycopodioides</i>	Large Hookmoss		<b>Added SG 15 H</b>
<i>Radula voluta</i>	Pale Scalewort		<b>Added SG 15 H</b>

<i>Riccia canaliculata</i>	Channelled crystalwort	Llyisiau'r afu llabedog rychog	
<i>Riccia nigrella</i>	Black crystalwort	Llyisiau'r afu llabedog du	
<i>Scopelophila cataractae</i>	Tongue-leaved copper-moss	Mwsogl copr dail tafod	
<i>Seligeria oelandica</i>	Irish Rock-bristle		<b>Added SG 13 G</b>
<i>Sematophyllum demissum</i>	Prostrate Signal-moss†		<b>Added SG 15 H</b>
<i>Sphagnum balticum</i>	Baltic Bog-moss†		<b>Added SG 13 G</b>
<i>Tomentypnum nitens</i>	Woolly Feather-moss		<b>Added SG 15 H</b>
<i>Tortula canescens</i>	Dog Screw-moss		<b>Added SG 15 H</b>
<i>Tortula cuneifolia</i>	Wedge-leaved screw-moss	Mwsogl troellog dail lletem	
<i>Tortula wilsonii</i>	Wilson's pottia	Mwsogl troellog Wilson	
<i>Weissia levieri</i>	Levier's beardless-moss	Mwsogl minfoel Levier	
<i>Weissia multicapsularis</i>	Many-fruited Beardless-moss†		<b>Added SG 13 G</b>
<i>Weissia squarrosa</i>	Spreading-leaved beardless-moss	Mwsogl minfoel dail atblyg	

<b>Fungi / Ffyngau (27 species / rhywogaeth)</b>			
<i>Amanita friabilis</i>	Fragile amanita	Amanita brau	
<i>Armillaria ectypa</i>	Agaric marsh honey fungus†	Agarig (ffwng mêl y gors)	
<i>Chrysomyxa pirolata</i>	Wintergreen rust	Rhwd glesyn y gaeaf	
<i>Clavaria zollingeri</i>	A fairy club/violet coral†	Ffwng cwrel dulas	
<i>Cotylidia pannosa</i>	Woolly rosette	Roset manflewog	
<i>Entoloma bloxamii</i>	Big blue pinkgill	Tagell binc las fawr	
<i>Geastrum elegans</i>	Elegant earthstar	Seren ddaear gain	
<i>Geoglossum atropurpureum</i>	Dark-purple earthtongue	Tafod daear dulas	
<i>Hericium erinaceus</i>	Bearded tooth fungus†	Ffwng draenog pigau hirion	
<i>Hohenbuehelia culmicola</i>	Marram oyster	Madarch y moresg	
<i>Hydnellum conrescens</i>	A tooth fungus zoned tooth†	Ffwng draenog	
<i>Hydnellum scrobiculatum</i>	A tooth fungus ridged tooth†	Ffwng draenog	
<i>Hydnellum spongiosipes</i>	Velvet tooth†	Ffwng draenog melfedaidd	
<i>Hygrocybe spadicea</i>	Date-coloured waxcap date waxcap†	Cap cwyrog melynddu	
<i>Hypocreopsis lichenoides</i>	Willow gloves	Menig llwyfain	
<i>Hypocreopsis rhododendri</i>			<b>Added SG 13 G</b>
<i>Microglossum olivaceum</i>	Olive earthtongue†	Tafod daear bach melynwyrd	
<i>Phellodon confluens</i>	A tooth fungus (fused tooth)	Ffwng draenog	
<i>Phellodon melaleucus</i>	A tooth fungus (grey tooth)	Ffwng draenog	
<i>Phellodon tomentosus</i>	A tooth fungus Woolly tooth	Ffwng draenog	
<i>Phylloporus pelletieri</i>	Golden gilled bolete	Boled tagellau aur	
<i>Piptoporus quercinus</i>	Oak polypore	Ysgwydd y derw	
<i>Poronia punctata</i>	Nail fungus†	Ffwng tail ceffyl mannog	
<i>Puccinia scorzonerae</i>	Scorzonera rust	Cawod barf yr afr	
<i>Tremellodendropsis tuberosa</i>	Ashen coral	Cwrel lludlwyd	
<i>Tulostoma melanocyclum</i>	Scaly stalkball	Twlostoma coes gennog	
<i>Urocystis colchici</i>	Colchicum smut	Penddu saffrwm	

<b>Stoneworts / Rhawn yr ebol (5 rhywogaeth/species)</b>		
<i>Chara baltica</i>	Baltic stonewort	Rhawn-yr-ebol y Baltig
<i>Chara curta</i>	Lesser bearded stonewort†	Rhawn-yr-ebol barfog
<i>Nitella gracilis</i>	Slender stonewort†	Rhawn-yr-ebol main
<i>Nitella tenuissima</i>	Dwarf stonewort†	Rhawn-yr-ebol bach
<i>Nitellopsis obtusa</i>	Starry stonewort	Rhawn-yr-ebol serenog
<b>Marine/Morol (55 rhywogaeth/species)</b>		
<i>Alkmaria romijni</i>	Tentacled lagoon worm	Llyngyren dentaclog
<i>Ammodytes marinus</i>	Sand-eel	Llymrïen
<i>Anotrichium barbatum</i>	Bearded red seaweed†	Gwymon coch barfog
<i>Arctica islandica</i>	Icelandic cyprine or Ocean quahog	Cocosen fawr
<i>Atrina fragilis</i>	Fan mussel†	Cragen adain
<i>Balaenoptera acutorostrata</i>	Minke whale†	Morfil pigfain
<i>Balaenoptera physalus</i>	Fin whale†	Morfil asgellog llwyd
<i>Caretta caretta</i>	Loggerhead turtle†	Crwban môr pendew
<i>Cetorhinus maximus</i>	Basking shark†	Heulgi
<i>Clupea harengus</i>	Herring†	Pennog
<i>Cruoria cruoriaeformis</i>	A red seaweed	Gwymon coch
<i>Delphinus delphis</i>	Common dolphin†	Dolffin cyffredin
<i>Dermochelys coriacea</i>	Leatherback turtle†	Crwban môr cefn-lledr
<i>Dermocorynus montagnei</i>	A red seaweed	Gwymon coch
<i>Dipturus batis</i>	Common skate†	Morgath
<i>Edwardsia timida</i>	Burrowing anemone	Anenome dyllu
<i>Eunicella verrucosa</i>	Pink sea-fan†	Môr-wyntyll binc
<i>Gadus morhua</i>	Cod†	Penfras
<i>Galeorhinus galeus</i>	Tope shark	Ci glas
<i>Globicephala melas</i>	Long-finned pilot whale†	Morfil pengrwn
<i>Grampus griseus</i>	Risso's dolphin†	Dolffin Risso
<i>Halicystus auricula</i>	A stalked jellyfish	Slefren goesynnog
<i>Hippocampus guttulatus</i>	Long snouted seahorse	Morfarch myngog
<i>Hyperodon ampullatus</i>	Northern bottlenose whale†	Morfil trwyn potel
<i>Lagenorhynchus acutus</i>	Atlantic white-sided dolphin†	Dolffin ystlyswyn
<i>Lagenorhynchus albirostris</i>	White-beaked dolphin†	Dolffin pigwyn
<i>Lamna nasus</i>	Porbeagle shark	Corgi môr
<i>Lithothamnion corallinoides</i>	Coral maerl	Cramen goch gwrelaidd
<i>Lophius piscatorius</i>	Sea monkfish†	Cythraul y môr
<i>Lucernariopsis campanulata</i>	A stalked jellyfish	Sglefren fôr goesynnog
<i>Megaptera novaeangliae</i>	Humpback whale†	Morfil cefngrwm
<i>Merlangius merlangus</i>	Whiting†	Gwyniad môr
<i>Merluccius merluccius</i>	European hake†	Cegddu
<i>Molva molva</i>	Ling†	Honos
<i>Orcinus orca</i>	Killer whale†	Lleiddiad, orca
<i>Ostrea edulis</i>	Native oyster†	Wystrysen
<i>Padina pavonica</i>	Peacock's tail	Gwymon cynffon paun
<i>Palinurus elephas</i>	Crayfish, crawfish or spiny	Cimwch coch

	lobster		
<i>Phocoena phocoena</i>	Harbour porpoise†	Llamhidydd	
<i>Phymatolithon calcareum</i>	Common maerl	Cramen goch	
<i>Pleuronectes platessa</i>	Plaice†	Lleden goch	
<i>Prionace glauca</i>	Blue shark	Morgi glas	
<i>Raja brachyura</i>	Blonde ray	Morgath felen	
<i>Raja clavata</i>	Thornback ray	Morgath styds	
<i>Raja undulata</i>	Undulate ray	Morgath donnog	
<i>Rostroraja alba</i>	White or Bottlenosed skate	Morgath wen	
<i>Scomber scombrus</i>	Mackerel†	Macrell	
<i>Solea solea</i>	Sole†	Lleden chwithig	
<i>Squalus acanthias</i>	Spiny dogfish	Ci pigog	
<i>Squatina squatina</i>	Angel shark	Maelgi	
<i>Stenella coeruleoalba</i>	Striped dolphin†	Dolffin rhesog	
<i>Tenellia adpersa</i>	Lagoon sea slug	Môr-wlithen y morlyn	
<i>Trachurus trachurus</i>	Horse mackerel†	Marchfacrell	
<i>Tursiops truncatus</i>	Bottlenose dolphin†	Dolffin trwyn potel	
<i>Ziphius cavirostris</i>	Cuvier`s beaked whale†	Morfil gylfinog Cuvier	

NB: At present we have standard Welsh names for vertebrates, flowering plants, ferns and conifers. All other names are liable to change as a result of current and ongoing work on Welsh environmental terms and names.

### References

- 1 Stace, C.A. (2010). *New Flora of the British Isles*, Third Edition. Cambridge University Press, Cambridge.
- 2 Hill, M.O., Blackstock, T.H., Long, D.G. & Rothero, G.P. (2008). *A Checklist and Census Catalogue of British and Irish Bryophytes*. British Bryological Society, Middlewich.
- 3 Smith, C. W., Aptroot, A., Coppins, B. J., Fletcher, A., Gilbert, O. L., James, P. W., and Wolseley, P.A. (eds.). (2009). *The Lichens of Great Britain and Ireland*. The British Lichen Society, London.

## **Annex 1 Section 42 Communities and Assemblages**

### **Lichens /Cen Communities**

#### **The Lobarion Community**

The following provides some guidance on the identification of the Lobarion lichen community. For fuller details see James, P.W., Hawksworth, D.L., & Rose, F. (1977) *Lichen Communities in the British Isles* pages 322-327 in Seward, M.R.D. (Ed.) (1977) *Lichen Ecology*, Academic Press, London.

When well-developed this is a spectacular community that can include some of the largest foliose lichens. Unfortunately most of its constituent species are highly sensitive to sulphur dioxide, acid rain and excessive ammonia levels and many examples of the Lobarion in Wales are now species poor.

The Lobarion is likely to be present on a tree or shrub or any rock face that supports the following:-

**Any species** of the genera:

<i>Degelia</i>	<i>Menegassia</i>	<i>Parmeliella</i> (except <i>Parmeliella parvula</i> – see below)
<i>Fuscopannaria</i>	<i>Nephroma</i>	<i>Psuedocyphellaria</i>
<i>Heterodermia</i>	<i>Pannaria</i>	<i>Sticta</i>
<i>Lobaria</i>		

**Any of the following species** (\*=species individually listed in Section 42):

<i>Agonimia octospora</i>	<i>Leptogium brebissonii</i> *	<i>Phyllopsora rosei</i>
<i>Collema fasciculare</i> *	<i>Leptogium cochleatum</i> *	<i>Porina coralloidea</i>
<i>Collema furfuraceum</i>	<i>Pachyphiale carneola</i>	<i>Porina hibernica</i> *
<i>Gyalecta flotowii</i> *	<i>Parmotrema crinitum</i>	<i>Punctelia reddenda</i>
<i>Gomphillus calycioides</i>	<i>Peltigera collina</i>	<i>Thelopsis rubella</i>
<i>Leptogium burgessii</i>		

**Any three of the following species:**

<i>Acrocordia gemmata</i>	<i>Leptogium lichenoides</i>	<i>Opegrapha soreidiifera</i>
<i>Arthonia vinosa</i>	<i>Leptogium teretiusculum</i>	<i>Parmeliella parvula</i>
<i>Catinarina atropurpurea</i>	<i>Loxospora elatina</i>	<i>Peltigera horizontalis</i>
<i>Dimerella lutea</i>	<i>Mycobilimbia pilularis</i>	<i>Pertusaria hemisphaerica</i>
	<i>Normandina pulchella</i>	<i>Thelotrema lepadinum</i>

**Mine site community (Metallophytes).**

Once Wales probably supported a significant assemblage of lichens associated with natural outcrops of heavy metal-rich rock. Due to the destruction of these outcrops by our mining activities the survival of metallophyte lichens are now almost entirely dependant upon the conservation of old mine sites.

Two special types of lichens are almost completely confined to these sites in Wales:-

**1. Obligate metallophytes.** Those lichens that appear, in some way, to require heavy metals and only occur on heavy metal-rich substrates.

**2. Faculative metallophytes.** Those lichens which can tolerate heavy metals, but can be found elsewhere in sites, without such heavy metals. Most of these species are probably poor competitors but can survive extreme conditions. In Wales, they are mostly confined to metal-rich sites but also occur, for example, on exposed peat on the summit ridges of high mountains.

The following species fall into one or other of these two categories in Wales and any threatened site **supporting more than three of these species** should be subject to a detailed assessment:

<i>Acarospora sinopica</i>	<i>Rhizocarpon oederi</i>
<i>Baeomyces placophyllus</i>	<i>Sarcosagium campestre</i>
<i>Belonia incarnata</i>	<i>Steinia geophana</i>
<i>Epilichen scabrosus</i>	<i>Stereocaulon condensatum</i>
<i>Gyalidea subscutellaris</i>	<i>Stereocaulon dactylophyllum</i>
<i>Lecanora epanora</i>	<i>Stereocaulon delisei</i>
<i>Lecanora gisleriana</i>	<i>Stereocaulon glareosum</i>
<i>Lecanora handelii</i>	<i>Stereocaulon leucophaeopsis</i>
<i>Lecanora subaurea</i>	<i>Stereocaulon nanodes</i>
<i>Placopsis lambii</i>	<i>Stereocaulon pileatum</i>

<i>Placynthiella hyporhoda</i>	<i>Stereocaulon symphycheilium</i>
<i>Polyblastia agraria</i>	<i>Veizdaea</i> spp.
<i>Psilolechia lepraria</i>	
<i>Rhizocarpon cinereovirens</i>	
<i>Rhizocarpon furfurosum</i>	

### **Mosses and liverworts / Mwsoglau a Llyisiau'r Afu**

**The Oceanic Ravine Assemblage** of bryophytes is likely to be present if a site supports:-

<b>Any one of the following species; *=species individually listed in Section 42</b>
<i>Aphanolejeunea microscopica</i>
<i>Campylopus setifolius</i>
<i>Daltonia splachnoides*</i>
<i>Drepanolejeunea hamatifolia</i>
<i>Hageniella micans</i>
<i>Harpalejeunea molleri</i>
<i>Leptoscyphus cuneifolius</i>
<i>Metzgeria leptoneura</i>
<i>Paraleptodontium recurvifolium*</i>
<i>Plagiochila exigua</i>
<i>Plagiochila heterophylla</i>
<i>Radula volute*</i>
<i>Sematophyllum demissum*</i>

<b>Three or more of the following species</b>
<i>Adelanthus decipiens</i>
<i>Andreaea megistospora</i>
<i>Dicranum scottianum</i>
<i>Fissidens polyphyllus</i>
<i>Jubula hutchinsiae</i>
<i>Lepidozia cupressina</i>
<i>Lepidozia pearsonii</i>
<i>Radula aquilegia</i>
<b>Five or more of the following species</b>
<i>Anastrepta orcadensis</i>
<i>Colura calyptrifolia</i>
<i>Douinia ovata</i>
<i>Heterocladium wulfsbergii</i>
<i>Hygrobella laxifolia</i>
<i>Hygrohypnum eugyrium</i>
<i>Isothecium holtii</i>
<i>Marchesinia mackaii</i>
<i>Plagiochila bifaria</i>
<i>Plagiochila punctata</i>
<i>Platyhypnidium lusitanicum</i>
<i>Porella pinnata</i>
<i>Rhabdoweisia crenulata</i>
<i>Sphenobolus pearsonii</i>

<b>Eight or more of the following species</b>
<i>Bazzania trilobata</i>
<i>Fissidens bryoides</i> var. <i>caespitans</i>



<i>Hyocomium armoricum</i>
<i>Lejeunea lamacerina</i>
<i>Lejeunea patens</i>
<i>Lophocolea fragrans</i>
<i>Plagiochila spinulosa</i>
<i>Saccogyna viticulosa</i>
<i>Scapania gracilis</i>
<i>Solenostoma paroicum</i>
<i>Sphagnum quinquefarium</i>

**Species removed from the Section 42 list.**

<b>Lichens /Cen</b>			
<i>Arthothelium dictyosporum</i>	A Lichen	Cen	<b>Removed SG13 G</b> – never recorded in Wales
<b>Mosses and liverworts / Mwsoglau a Llysiau'r Afu</b>			
<i>Atrichum angustatum</i>	Lesser smoothcap	Mwsogl penllyfn ( <i>neu</i> penfoel) bychan	<b>Removed SG15 H</b> – presumed extinct
<i>Fissidens serrulatus</i>	Large Atlantic pocket- moss	Pocedfwsogl mawr yr Iwerydd	<b>Removed SG15 H</b> – presumed extinct
<i>Grimmia elongata</i>	Brown grimmia	Clustogfwsogl brown	<b>Removed SG15 H-</b> Conservation status change
<i>Rhytidiadelphus subpinnatus</i>	Scarce turf-moss	Mwsogl blewog prin	<b>Removed SG15 H-</b> Conservation status change



Llywodraeth Cymru  
Welsh Government