

An annotated catalogue of the biodiversity of the Doward

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Purpose

This publication is intended to be a reference point for all available information regarding the biodiversity of the Doward in south Herefordshire. It brings together thousands of individual species observations made over a period of more than a century from many visiting naturalists and local residents who have put their knowledge into the public domain. It is intended to be both a source of checklists for all the species groups found on the Doward and also to provide some general context about the plant and animal communities of this part of the Lower Wye Valley. It is a more detailed companion to the booklet 'The Biodiversity of the Doward and Symonds Yat' published by Herefordshire Wildlife Trust in August 2023 which is available from them and from some local outlets.

Biodiversity information is dynamic and changes over time. The information here is intended to reflect these changes be regularly updated as new observations are made and our knowledge of each species group expands. Please feel free to make your own contributions by emailing idrayment@yahoo.co.uk.

Structure

Following an introduction, the information is presented in three parts. Each part is then divided into sections representing the main taxa groups as summarised in the table below. The page numbers in the table lead to a more detailed directory of each section.

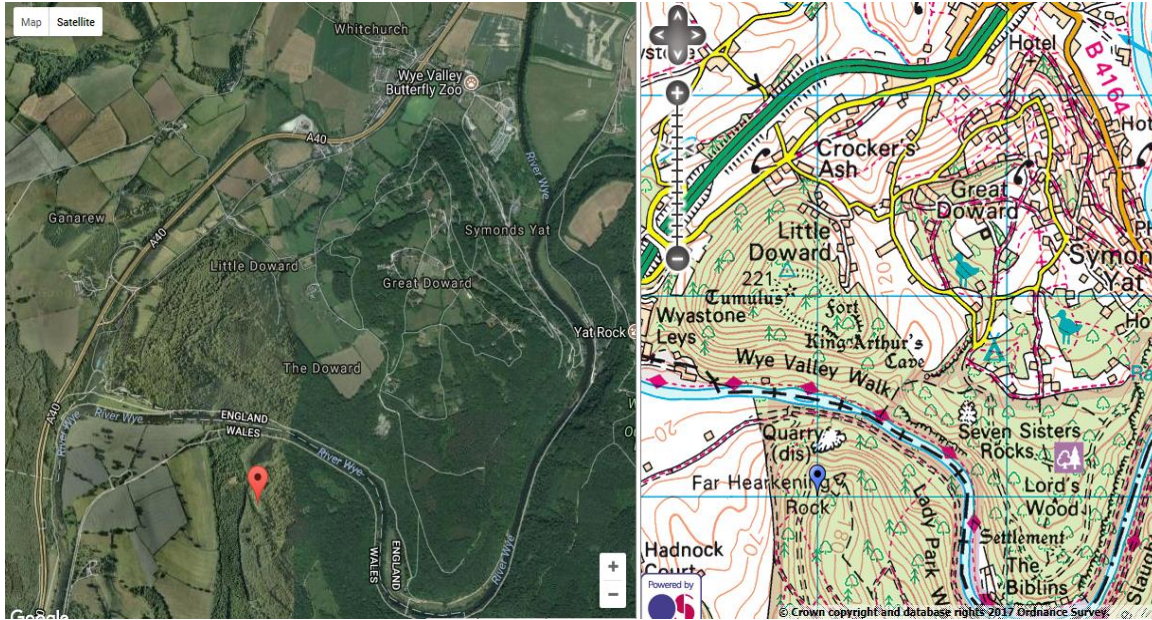
The species checklists usually ordered by taxonomic family but the format of each can vary and, in some cases, gives information about the national or local status of each species and source of the record.

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Introduction

Site definition and description

The Doward Hills is the area of around 4 square kilometres bounded to the south and east by the River Wye and by the A40 road to the North and West. It sits at the most southerly point of Herefordshire in the parish of Whitchurch and Ganarew and is all in the Lower Wye Area of Outstanding Natural Beauty.



The underlying geology is primarily a mixture of Carboniferous Limestone and Devonian Sandstone and there are many areas showing signs of former quarrying activity. These limestone rocks give rise to calcareous grassland and beech woodland and the sandstones can create more acidic conditions suiting several vegetation types from ranging from acid heath to oak and conifer woodland.

The Doward is that it is not an agricultural landscape. Over 60% of the Doward is now woodland with much of Lord's Wood managed as commercial forestry. The rest is various sorts of grassland pasture and private landholdings of gardens and scrub. Nevertheless, some patches of species-rich calcareous grassland, ancient woodland, acid heathland and riparian wetland can still be found.

Biodiversity Summary

The following summary is a list of what is special about the biodiversity on the Doward. A more detailed account is given in the following parts of this publication and scientific names are given in the checklists.

Plantlife.

There are records of around 1,000 plant species of which 784 are vascular plants and the rest mainly bryophytes.

Dicot plants

Unusual or regionally scarce plants include Yellow Bird's-nest, Hutchinsinia, Narrow-leaved Bittercress, Small Scabious, Dropwort, Wild Clary, Rest Harrow, Wild Madder, Deadly Nightshade, Slender St John's-wort and Great Lettuce. There is also one micro-species of Hawkweed *Hieracium subplanifolium* found here that is endemic to the Doward.

Monocot plants

The highlights within this group include at least 10 species of orchid including good populations of Greater Butterfly, Bird's-nest Orchids, White Helleborine and also a few Pyramidal and Fly Orchids. Some nationally scarce limestone sedges exist including Fingered, Dwarf and Soft-leaved Sedges. Unusual grasses include Mountain Mellick, Blue Moor Grass, Wood Barley and Flattened Meadow-grass.

Trees and shrubs

Within the hedgerows and shrub layer Purging Buckthorn, Wayfaring Tree, Spindle and Spurge Laurel can be found. The woodlands hold many notable veteran trees especially beech and have a significant population of both species of native Lime trees as well as Wild Service Trees.

Most notable of all are fourteen species of Sorbus trees (i.e., Whitebeams and allies) two of which, *Sorbus herefordensis* and *S. greenii*, are endemic to the Doward with several others are globally restricted to the Lower Wye Valley.

Non-flowering plants

There are 17 ferns present in the area including Adder's Tongue Fern and the rare pachyrachis form of Maidenhair Spleenwort. 258 bryophyte species are recorded including at least 8 that are classed as nationally scarce.

Fungi.

The full list of fungi for the 10km square exceeds 1,500 species (NBN) and includes national scarcities such as Devils Bolete, Hollow Bolete, Terracotta Hedgehog, Giant Clubs, Fluted Bird's-nest, Lacquered Bracket, Snakeskin Grissette, Earthstars, Earth Tongues and 9+ Waxcaps.

There are also records of several nationally notable lichen species.

Vertebrates.

Birds: 93+ species recorded. Regular breeding Wood Warbler*, Tree Pipit*, Lesser Spotted Woodpecker*, Marsh Tit*, Common Redstart, Goshawk, Peregrine with occasional breeding Pied flycatcher* and possibly Hawfinch* and Woodcock*. (*denotes Red Listed as Birds of Conservation Concern)

Mammals: 34 species recorded. Notable for bats with Greater and Lesser Horseshoe Bats plus records of Western Barbastelle, Whiskered and Natterer's Bats. A good population of Hazel Dormouse and occasional visiting Wild Boar and Otter. The Polecat is known to occur and there are reports of Pine Martens with radio-tracking collars passing through.

Reptiles and amphibians: 7 species recorded including old records of Great Crested Newt.

Fish: The River Wye and adjoining watercourses hold at least 25 species including Atlantic Salmon, Allis Shad and 3 species of Lamprey and is an important breeding ground for the nationally scarce Twaite Shad.

Invertebrates

Over 2,100 invertebrate species recorded.

Lepidoptera – Grizzled Skipper, Wood White, White Admiral and possibly still Pearl-bordered Fritillary all occur. Over 968 moth species have been recorded of which 15 are listed as Nationally Scarce B. These include Great Oak Beauty, Ruddy Carpet, Bilberry Pug and Drab Looper (a Biodiversity Action Plan species). A long list of other species found here are currently regarded as nationally uncommon or local.

Other nationally scarce or rare insect species include several saproxylic beetles such as Cosnard's Net-winged Beetle (Endangered RDB1) and the Welsh Longhorn Beetle, various woodland wasps such as Sabre Wasp and Giant Woodwasp, the Bee-wolf, Eared Leafhopper, Spurgebug, Club-tailed Dragonfly, Yellow Mayfly, several tufa specialist craneflies, Giant Fungus Gnat, several Bee-flies, Tachinid flies and the Southern Bristletail.

Other scarce invertebrates include Green Huntsman Spider, the Cave Spider, Lapidary and Wrinkled Snails and the Greater Pellucid Snail. There are two nationally rare woodlouse species.

Information sources

An important internet portal to access distribution data on all types of wildlife is the National Biodiversity Network in what is now known as the NBN Atlas (formerly NBN Gateway). This was originally set up by the Biological Records Centre (BRC) who are part of the Centre for Ecology and Hydrology (CEH) and are associated with the Natural Environment Research Council and the Joint Nature Conservation Committee (JNCC). They access species records mainly from a set of 'National Recording Schemes' which are run by experts and enthusiasts to collate the occurrence and distribution information of species belonging to a particular taxonomic group. By putting this 'data' online the public as well as professional ecologists can access detailed information about the wildlife in their local area. Similar data sources can also be found in iRecord and the Welsh system ADERYN but these can include unverified records which have to be filtered out. Local Records Centres such as the one in Hereford, also have their own systems but public access to data is more complicated.

In this publication I have used the Ordnance Survey geographical reference system which divides the UK into labelled kilometre squares. The Doward is the main part of the 10 km square labelled SO51 or the 2km square SO51M. More precisely it is comprised of parts of eight 1km squares of which SO5415, SO5414, SO5416, SO5515 are the most important. Being sited at the most southerly point of Herefordshire the information for the square SO51M also goes across the River Wye into Monmouthshire and covers part of Lady Park Wood National Nature Reserve. In this publication I have tried to exclude this as much as possible, but many older records do not have the spatial resolution to do this.

A download from the NBN Atlas in March'18 revealed a total of 26,827 separate records of all species in a search of a 2km radius from the centre of Great Doward *. These records were made up of 4,443 different species. A search of a wider area gave 5,468 species in a 5km radius, but this included some records from neighbouring counties across the river. These totals are significantly higher than any other site in Herefordshire including Moccas Park, Haugh Woods and the Malverns. It also suggests a high level of biodiversity even by national standards.

Putting all this together gives a measure of two things. Firstly, the genuine species richness of a site and secondly the extent of species recording done by visiting expert naturalists who make their observations public. In conclusion, the biodiversity Doward has been surprising well-researched over the last 150 years and is undeniably a species-rich area. However, all these species totals should only be used as a guide or indication.

**In this dataset the square SO51 had only 128 records marked as being in Wales and these were mainly bryophytes in Lady Park wood NNR. On a cautionary note, the NBN Atlas data has incorporated some very old databases and some of these were not very specific about location of observations, and it is not always clear whether it was on the Doward or elsewhere in SO51.*

This publication is intended to share the information and lay down a benchmark to identify any future changes in species composition. Hopefully, it will also play a role in raising awareness of the richness of the biodiversity in this small area and explain the need to protect and enhance the special habitats on this 'patch'.

Part 1. The Plant and Fungal Kingdoms

Overview.

According to data presented in the National Biodiversity Network (NBN) Atlas in 2017 at least 1,258 species of plants and 1,556 species of fungi and lichens have been recorded within 2km of the centre of Great Doward. This total reflects the range of terrestrial macro and micro habitats arising from the combination of both Carboniferous limestone and Devonian sandstone underlying the site. Most of the habitats are woodland or dry open areas of grassland and rock exposures but the small marshy areas around Dropping Wells and the seasonally flooded zone along the riverbank also adds to the plant diversity.

Looking at the NBN plant data in more detail gives 784 species of flowering plants (Angiosperms and Gymnosperms) and 26 ferns (Pteridophytes) and spore-forming allies, 344 species are bryophytes (mosses and liverworts) and a further 5 are species of green algae. The data on fungi includes lichens which are a symbiotic association between and a fungal thallus and an algae or blue-green bacteria.

It should be stressed that this dataset will not be a precise figure of what is actually present on the Doward today as a good number of these records are quite old or do not have adequate information about the location. Some records may not be on the Doward side of the river however, other species will be present but have yet to be found and recorded.

To simplify the production of checklists this publication uses the following main divisions:

Vascular Plants	Angiosperms – Flowering Plants	Page 7.
	Gymnosperms – Conifers and allies	Page 13.
	Pteridophytes – Ferns and allies	Page 14.
Non-vascular Plants	Bryophytes:	
	Mosses	Page 15.
	Liverworts	Page 19.
	Chlorophyta – Algae	Page 20.
Fungi	Larger Fungi	Page 21.
	Lichen	Page 26.
Supplementary Note: Endemic Plants of the Doward		Page 27.

These plant checklists cover species considered to be 'native' or 'naturalised in UK. They excluded a range of species deliberately planted in gardens, horticulture and forestry estates. They also do not include details of some aggregates of species where morphological differences are minor and hard to discern in the field. As a consequence, these lists and their species totals do not fully match all species listed in the larger NBN or BSBI databases where greater expert interpretation has been required.

1.1 Checklist of Vascular Plants

The list below is generated from a range of 'informal' observations by various recorders on the Doward rather than a set of formal records. Although each species listed has been reported on the Doward not all have been verified so should be treated as being for guidance purposes only.

Angiosperms - Flowering Plants

Ranunculaceae

Creeping Buttercup	<i>Ranunculus repens</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Lesser Celandine	<i>Ranunculus ficaria</i>
Goldilocks Buttercup	<i>Ranunculus auricomus</i>
Wood anemone	<i>Anemone nemorosa</i>
Columbine	<i>Aquilegia vulgaris</i>
Travellers Joy	<i>Clematis vitalba</i>
Stinking Hellebore	<i>Heleborus viridis</i>

Papaveraceae

Opium Poppy	<i>Papavera somniferum</i>
Greater Celandine	<i>Chelidonium majus</i>

Fumariaceae

Yellow Corydalis	<i>Pseudofumaria lutea</i>
Common Fumitory	<i>Fumaria officinalis</i>

Ulmaceae

Wych Elm	<i>Ulmus glabra</i>
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Viscaceae

Mistletoe	<i>Viscum album</i>
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Urticaceae

Common nettle	<i>Urtica dioica</i>
Pellitory-of-the-Wall	<i>Parietaria judaica</i>

Fagaceae

Sessile Oak	<i>Quercus petraea</i>
Sweet Chestnut	<i>Castanea sativa</i>
Beech	<i>Fagus sylvatica</i>

Betulaceae

Silver/Downy Birch	<i>Betula pendula/pubescens</i>
Alder	<i>Alnus glutinosa</i>
Grey Alder	<i>Alnus incana</i>
Hazel	<i>Corylus avellana</i>

Chenopodiaceae

Fat-hen	<i>Chenopodium album</i>
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Caryophyllaceae

Red Campion	<i>Silene dioica</i>
White campion	<i>Silene latifolia</i>
Bladder Campion	<i>Silene vulgaris</i>
Common Chickweed	<i>Stellaria media</i>
Greater Stichwort	<i>Stellaria holostea</i>
Common Mouse-ear	<i>Cerastium fontanum ag</i>
Thyme-leaved Sandwort	<i>Arenaria serpyllifolia</i>
Annual Pearlwort	<i>Sagina apetala</i>
Knotted/procumbent pearlwort	<i>Sagina nodosa/procumens</i>

Polygonaceae

Knotgrass	<i>Polygonum aviculare</i>
Redshank	<i>Percicaria maculosa</i>
Water Pepper	<i>Percicaria hydropiper</i>
Common Sorrel	<i>Rumex acetosa</i>
Broad-leaved dock	<i>Rumex obtusifolius</i>
Curled Dock	<i>Rumex crispus</i>
Japanese knotweed	<i>Fallopia japonica</i>
Black Bindweed	<i>Fallopia convolvulus</i>

Clusiaceae

Hairy St Johns-wort
Tutsan
Perforate St John's-wort
Slender St John's-wort
Pale St John's-wort
Square-stalked St John's-wort

Hypericum hirsutum
Hypericum androsaemum
Hypericum perforatum
Hypericum pulchrum
Hypericum montanum
Hypericum tetrapterum

Malvaceae

Musk Mallow
Common Mallow

Malva moschata
Malva sylvestris

Tiliaceae

Large-leaved Lime
Small-leaved Lime

Tilia platyphyllos
Tilia cordata

Cistaceae

Common Rock-rose

Helianthemum apenninum

Salicaceae

White Poplar
Sallow/Grey Willow
Creeping Willow

Populus alba
Salix cinerea
Salix repens

Violaceae

Common Dog-violet
Early Dog-violet
Hairy Violet
Sweet Violet

Viola riviana
Viola riechenbachiana
Viola hirta
Viola odorata

Brassicaceae

Hairy Bittercress
Wavy Bittercress
Narrow-leaved Bittercress
Lady's smock
Common Whitlowgrass
Hutchinsia
Thale Cress
Treacle Mustard
Swine-cress
Hairy Rock-cress
Honesty
Shepard's Purse
Hedge Mustard
Garlic Mustard
Charlock
Rape
Creeping Yellow-cress

Cardamine hirsuta
Cardamine flexuosa
Cardamine impatiens
Cardamine pratensis
Erophila verna
Hornungia petraea
Arabidopsis thaliana
Erysimum cheiranthoides
Coronopus squamatus
Arabis hirsuta
Lunaria annua
Capsella bursa-pastoris
Sisimbryum officinale
Alliaria petiolata
Sinapsis arvensis
Brassica napus
Rorippa sylvestris

Resedaceae

Wild mignonette
Weld

Reseda lutea
Reseda luteola

Dipsacaceae

Wild Teasel
Small Teasel
Field Scabious
Small Scabious
Devil's-bit Scabious

Dipsacus fullonum
Dipsacus pilosus
Knautia arvensis
Scabiosa columbaria
Succisa pratensis

Astercea

Daisy
Ox-eye Daisy
Blue Fleabane
Scentless Mayweed
Common Fleabane
Common Ragwort
Hoary Ragwort
Groundsel
Ploughman's-spikenard
Yarrow
Dandelion

Bellis perennis
Leucanthemum vulgare
Erigeron acer
Tripleurospermum inodorum
Pulicaria dysenterica
Senecio jacobaea
Senecio eruciformis
Senecio vulgaris
Inula conyzae
Achillea millefolium
Taraxacum officinale

Canadian Goldenrod	<i>Solidago canadensis</i>
Goldenrod	<i>Solidago virguarea</i>
Pineappleweed	<i>Matricaria discoides</i>
Hemp Agrimony	<i>Eupatorium cannabinum</i>
Mugwort	<i>Artemisia vulgaris</i>
Greater Burdock	<i>Arctium lappa</i>
Nipplewort	<i>Lapsana communis</i>
Mouse-ear Hawkweed	<i>Philosella officinarum</i>
Goat's-beard	<i>Tragopogon pratensis</i>
Hawkweed Oxtongue	<i>Picris hieracoides</i>
Creeping Thistle	<i>Cirsium arvense</i>
Spear Thistle	<i>Cirsium vulgare</i>
Marsh Thistle	<i>Cirsium palustre</i>
Common Knapweed	<i>Centaurea nigra</i>
Cat's-ear	<i>Hypochaeris radicata</i>
Rough Hawkbit	<i>Leontodon hispidus</i>
Autumn Hawkbit	<i>Leontodon autumnalis</i>
Smooth Hawks-beard ag	<i>Crepis spp</i>
Hawkweed ag.	<i>Hieraceum spp</i>
Prickly Sow-thistle	<i>Sonchus asper</i>
Smooth Sow-thistle	<i>Sonchus oleraceus</i>
Wall Lettuce	<i>Mycelis muralis</i>
Great Lettuce	<i>Lactuca virosa</i>
Coltsfoot	<i>Tussilago farfara</i>
Plantaginaceae	
Ribwort Plantain	<i>Plantago lanceolata</i>
Greater Plantain	<i>Plantago major</i>
Crassulacea	
Wall Pennywort or Navelwort	<i>Umbilicus rupestris</i>
English/Biting Stonecrop	<i>Sedum anglicum/acre</i>
Reflexed Stonecrop	<i>Sedum rupestre</i>
Gentianaceae	
Yellowwort	<i>Blackstonia perfoliata</i>
Common Centuary	<i>Centaurium erythraea</i>
Saxifragaceae	
Opposite-leaved Golden Saxifrage	<i>Chryosplenium alternifolium</i>
Rosaceae	
Bramble	<i>Rubus fruticosus agg.</i>
Field rose	<i>Rosa arvensis</i>
Dog rose	<i>Rosa canina agg.</i>
Agrimony	<i>Agrimonia eupatoria</i>
Fragrant Agrimony	<i>Agrimonia procera</i>
Salad Burnet	<i>Sanguisorba officinalis</i>
Meadowsweet	<i>Filipendula ulmaria</i>
Dropwort	<i>Filipendula vulgaris</i>
Wood Avens	<i>Geum urbanum</i>
Silverweed	<i>Potentilla anserina</i>
Creeping Cinquefoil	<i>Potentilla reptens</i>
Trailing Tormentil	<i>Potentilla anglica</i>
Barren Strawberry	<i>Potentilla sterilis</i>
Wild Strawberry	<i>Fragaria vesca</i>
Parsley-piert	<i>Aphanes arvensis</i>
Lady's Mantle	<i>Alchemilla sp agg.</i>
Wild Cherry	<i>Prunus avium</i>
Blackthorn	<i>Prunus spinosa</i>
Crab Apple	<i>Malus sylvestris</i>
Wild Service Tree	<i>Sorbus torminalis</i>
Whitebeam group	<i>Sorbus aria ag</i> see text
Rowan	<i>Sorbus aucuparia</i>
Cotoneaster	<i>Cotoneaster agg.</i>
Fabeacea	
Tufted Vetch	<i>Vicia cracca</i>
Bush Vetch	<i>Vicia sepium</i>

Hairy tare	<i>Vicia tetrasperma</i>
Common Vetch	<i>Vicia sativa</i>
Wood Bitter-vetch	<i>Vicia orobus</i>
Kidney Vetch	<i>Anthyllis vulneraria</i>
Bitter Vetch(ling)	<i>Lathyrus linifolius</i>
Meadow Vetchling	<i>Lathyrus pratensis</i>
Spotted Medick	<i>Medicago arabica</i>
Black Medick	<i>Medicago lupulina</i>
Red Clover	<i>Trifolium pratense</i>
Zigzag Clover	<i>Trifolium medium</i>
White Clover	<i>Trifolium repens</i>
Lesser Trefoil	<i>Trifolium dubium</i>
Hop Trefoil	<i>Trifolium campestre</i>
Common Birds-foot-trefoil	<i>Lotus corniculatus</i>
Greater Bird's-foot-trefoil	<i>Lotus pedunculatus</i>
Common Restharrow	<i>Ononis repens</i>
Horseshoe Vetch	<i>Hippocrepis camosa</i>
Broom	<i>Cytisus scoparius</i>
Western Gorse	<i>Ulex gallii</i>
Geraniaceae	
Bloody Cranesbill	<i>Geranium sanguineum</i>
Herb-Robert	<i>Geranium robertianum</i>
French Crane's-bill	<i>Geranium endressi</i>
Cut-leaved Cranesbill	<i>Geranium dissectum</i>
Linaceae	
Fairy Flax	<i>Linum catharticum</i>
Euphorbiaceae	
Dog's Mercury	<i>Mercurialis annua</i>
Wood Spurge	<i>Euphorbia amygdaloides</i>
Petty Spurge	<i>Euphorbia peplus</i>
Polygalaceae	
Common Milkwort	<i>Polygala vulgaris</i>
Thymelaeaceae	
Spurge Laurel	<i>Daphne laurelo</i>
Aceraceae	
Field Maple	<i>Acer campestre</i>
Sycamore	<i>Acer pseudoplatanus</i>
Oxalidaceae	
Wood Sorrel	<i>Oxalis acetosella</i>
Cucurbitacea	
White Bryony	<i>Bryonia dioica</i>
Onagraceae	
Enchanters Nightshade	<i>Circaea lutetiana</i>
Large-flowered Evening primrose	<i>Oenothera erythrosepala</i>
Rosebay Willowherb	<i>Chamerion angustifolium</i>
Great Willowherb	<i>Epilobium hirsutum</i>
Broad-leaved Willowherb	<i>Epilobium montanum</i>
Hoary Willowherb	<i>Epilobium parviflorum</i>
Cornaceae	
Dogwood	<i>Cornus sanguinea</i>
Viscaceae	
Mistletoe	<i>Viscum album</i>
Celastraceae	
Spindle	<i>Euonymus europeaus</i>
Aquifoliaceae	
Holly	<i>Ilex aquifolium</i>
Apiaceae	
Upright Hedge Parsley	<i>Torilis japonica</i>
Cow Parsley	<i>Anthriscus sylvestris</i>
Wild Angelica	<i>Angelica sylvestris</i>
Burnet-saxifrage	<i>Pimpinella saxifraga</i>
Wild Carrot	<i>Daucus carota</i>
Hogweed	<i>Heracleum sphondylium</i>

Fool's Parsley	<i>Aethusa cynapium</i>
Sanicle	<i>Sanicula europaea</i>
Pignut	<i>Conopodium majus</i>
Ericaceae	
Ling Heather	<i>Calluna vulgaris</i>
Bilberry	<i>Vaccinium myrtillus</i>
Primulaceae	
Primrose	<i>Primula vulgaris</i>
Cowslip	<i>Primula veris ag</i>
Yellow Pimpernel	<i>Lysimachia nemorum</i>
Scarlet Pimpernel	<i>Anagallis arvensis</i>
Apocyanaceae	
Greater Periwinkle	<i>Vinca major</i>
Rubiaceae	
Field Madder	<i>Sherardia arvensis</i>
Wild Madder	<i>Rubia peregrina</i>
Lady's Bedstraw	<i>Galium verum</i>
Hedge bedstraw	<i>Galium mollugo</i>
Cleavers	<i>Galium aparine</i>
Woodruff	<i>Galium odoratum</i>
Crosswort	<i>Cruciata laevipes</i>
Convolvulaceae	
Hedge bindweed	<i>Calystegia sepium</i>
Field Bindweed	<i>Convolvulus arvensis</i>
Boraginaceae	
Common Gromwell	<i>Lithospermum offinale</i>
Common Comfrey	<i>Symthytum offininalis</i>
Green Alkanet	<i>Pentaglottis sempervirens</i>
Field Forgetmenot	<i>Myosotes arvensis</i>
Lamiaceae	
White Deadnettle	<i>Lamium album</i>
Red Deadnettle	<i>Lamium purpureum</i>
Common Hemp-nettle	<i>Galeopsis tetrahit</i>
Bugle	<i>Ajuga reptans</i>
Yellow Archangel	<i>Lamiastrum galeobdolon</i>
Betony	<i>Stachys officinalis</i>
Wild Clary	<i>Salvia verbenacea</i>
Hedge Woundwort	<i>Stachys sylvatica</i>
Marsh Woundwort	<i>Stachys palustris</i>
Ground ivy	<i>Glechoma hederacea</i>
Selfheal	<i>Prunella vularis</i>
Wild Basil	<i>Clinopodium vulgare</i>
Common Calamint	<i>Clinopodium ascendens</i>
Wild Marjoram	<i>Origanum vulgare</i>
Thyme	<i>Thymus polytrichus</i>
Wood Sage	<i>Teucrium scorodonia</i>
Gypsywort	<i>Lycopus europaeus</i>
Solanaceae	
Bittersweet	<i>Solanum dulcamara</i>
Deadly Nightshade	<i>Atropa belladonna</i>
Scrophulariaceae	
Wall Speedwell	<i>Veronica arvensis</i>
Heath Speedwell	<i>Veronica officinalis</i>
Germander Speedwell	<i>Veronica chamaedrys</i>
Common Field speedwell	<i>Veronia persica</i>
Thyme-leaved Speedwell	<i>Veronica serpyllifolia</i>
Lousewort	<i>Pedicularis sylvatica</i>
Great Mullein	<i>Verbascum thapsus</i>
Common Figwort	<i>Scropularia nodosa</i>
Ivy-leaved Toadflax	<i>Cymalaria muralis</i>
Common Cow-wheat	<i>Melampyrum pratense</i>
Red Bartsia	<i>Odontites vernus</i>
Foxglove	<i>Digitalis purpurea</i>

Yellow-rattle	<i>Rhinanthus minor</i>
Eyebright	<i>Euphrasia ag</i>
Caprofoliaceae	
Honeysuckle	<i>Lonicera periclymenum</i>
Red Valerian	<i>Centranthus ruber</i>
Campanulaceae	
Hairbell	<i>Campanula rotundifolia</i>
Nettle-leaved Bellflower	<i>Campanula trachelium</i>
Monotropidae	
Yellow Birds-nest	<i>Monotropa hypopitys</i>
Araceae	
Lords-and-Ladies	<i>Arum maculatum</i>
Amaryllidaceae	
Wild Daffodil	<i>Narcissus sp</i>
Snowdrop	<i>Galanthus nivalis</i>
Summer Snowflake	<i>Leucojum aestivum</i>
Iridaceae	
Yellow Flag	<i>Iris pseudacorus</i>
Stinking Iris	<i>Iris foetidissima</i>
Montbretia	<i>Crocsmia xcrocsmiiflora</i>
Dioscoreaceae	
Black Bryony	<i>Tamus communis</i>
Liliaceae	
Three-cornered Garlic	<i>Allium triquestrum</i>
Ramsons	<i>Allium ursinum</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Meadow Saffron	<i>Colchicum autumnale</i>
Solomon's Seal	<i>Polygonatum multiflorum</i>
Orchidaceae	
Common Spotted Orchid	<i>Dactylorhiza fuchsii</i>
Early Purple Orchid	<i>Orchis mascula</i>
Bird's-nest Orchid	<i>Neottia nidus-avis</i>
Greater Butterfly Orchid	<i>Platanthera chlorantha</i>
Common Twayblade	<i>Neottia ovata</i>
Bee Orchid	<i>Ophrys apifera</i>
Pyramidal Orchid	<i>Anacamptis pyramidalis</i>
Fly Orchid	<i>Ophrys insectifera</i>
Broad-leaved Helleborine	<i>Epipactis helleborine</i>
White Helleborine	<i>Cephalanthera damasonium</i>
Poaceae	
Sweet Vernal grass	<i>Anthroxanthum odoratum</i>
Crested Dogs tail	<i>Cynosurus cristatus</i>
Meadow Foxtail	<i>Alopecurus pratensis</i>
Smooth Meadow-grass	<i>Poa pratensis</i>
Rough Meadow-grass	<i>Poa trivialis</i>
Annual Meadow-grass	<i>Poa annua</i>
Flattened Meadow-grass	<i>Poa compressa</i>
Wood Meadow-grass	<i>Poa nemoralis</i>
Yorkshire Fog	<i>Holcus lanatus</i>
Creeping Soft-grass	<i>Holcus mollis</i>
Cocksfoot	<i>Dactylis glomerata</i>
Fern-grass	<i>Catapodium rigidum</i>
Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Wavy Hair-grass	<i>Deschampsia flexuosa</i>
False Brome	<i>Brachypodium sylvaticum sl.</i>
Sheep's Fescue	<i>Festuca ovina</i>
Red Fescue	<i>Festuca rubra</i>
Rat's-tail Fescue	<i>Vulpia myuros</i>
Wood Melick	<i>Melica uniflora</i>
Mountain Melick	<i>Melica nutans</i>
False Oat Grass	<i>Arrhenatherum elatius</i>
Quaking Grass	<i>Briza media</i>
Perennial Rye grass	<i>Lolium perene</i>

Soft Brome	<i>Bromus mollis</i>
Upright Brome	<i>Bromus erectus</i>
Blue Moor Grass	<i>Sesleria caerulea</i>
Wood Barley	<i>Hordelymus europaeus</i>
Timothy	<i>Phleum pratense</i>
Heath Grass	<i>Danthonia decumbens</i>
Common Reed	<i>Phragmites australis</i>
Cyperaceae	
Glaucous Sedge	<i>Carex flacca</i>
Pendulous Sedge	<i>Carex pendula</i>
Soft-leaved Sedge	<i>Carex montana</i>
Fingered Sedge	<i>Carex digitata</i>
Dwarf Sedge	<i>Carex humilis</i>
Spring Sedge	<i>Carex caryophyllacea</i>
Grey Sedge	<i>Carex divulsa</i>
Remote Sedge	<i>Carex remota</i>
Pale Sedge	<i>Carex pallescens</i>
Wood Sedge	<i>Carex sylvatica</i>
Yellow Sedge	<i>Carex viridula</i>
Juncaceae	
Field Wood-rush	<i>Luzula campestris</i>
Hairy Wood-rush	<i>Luzula pilosa</i>
Jointed Rush	<i>Juncus articulatus</i>
Slender Rush	<i>Juncus tenuis</i>
Hard Rush	<i>Juncus inflexus</i>
Compact rush	<i>Juncus conglomeratus</i>
Toad Rush	<i>Juncus bufonius</i>

Gymnosperms - Native or naturalised Coniferous trees and shrubs

Taxaceae	
Yew	<i>Taxus baccata</i>
Pinaceae	
Larches	<i>Larix decidua agg.</i>
Pine	<i>Pinus sylvestris agg.</i>
Spruces	<i>Picea abies agg.</i>
Cupressaceae	
Leyland or Lawson Cypress	<i>Cypress agg.</i>

Checklist of Pteridophyta - Ferns and allies

Dryopteridaceae

Male Fern	<i>Dryopteris filix-mas</i>
Scaly Male Fern	<i>Dryopteris affinis</i>
Broad Buckler Fern	<i>Dryopteris dilatata</i>
Hard Shield Fern	<i>Polystichum aculeatum</i>
Soft Shield Fern	<i>Polystichum setiferum</i>

Thelypteridaceae

Lemon-Scented Fern	<i>Oreopteris limbosperma</i>
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Woodsiaceae

Lady Fern	<i>Athyrium filix-femina</i>
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Dennstaedtiaceae

Bracken	<i>Pteridium aquilinum</i>
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Blechnaceae

Hard Fern	<i>Blechnum spicant</i>
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Polypodiaceae

Common Polypody	<i>Polypodium vulgare</i> agg.
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Ophioglossaceae

Adder's-tongue	<i>Ophioglossum vulgatum</i>
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Aspleniaceae

Hart's Tongue Fern	<i>Phyllitis scolopendrium</i>
Wall Rue	<i>Asplenium ruta-muraria</i>
Maidenhair Spleenwort	<i>Asplenium trichomanes</i>
Black Spleenwort	<i>Asplenium adiantum-nigrum</i>
Rustyback	<i>Ceterach officinarum</i>

Checklist of Equisetaceae – Horsetails

Marsh Horsetail	<i>Equisetum palustre</i>
Field Horsetail	<i>Equisetum arvense</i>

1.2 Checklist of Non-vascular Plants

Bryophytes – Mosses and Liverworts

Taxonomy and nomenclature from Blockeel et al. A new checklist of the bryophytes of Britain and Ireland, 2020. Journal of Bryology- BBS.

Local status - **c**= commonly found. **f** = frequently found. **u** = uncommon or rare with few sites or occurrences

National status - *** Rare or uncommon - a Dward speciality.

= Difficult to identify in field.

Bryophyta - Mosses - Species recorded since 1970 on the Dward. - Listed by order in BBS sequence.

Sphagnales

Blunt-leaved Bogmoss	<i>Sphagnum palustre</i>	1.06	u
Lustrous Bog-moss	<i>Sphagnum subnitens</i>	1.20	u

Tetraphidales

Pellucid Four-tooth Moss	<i>Tetraphis pellucida</i>	4.01	u
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Polytrichales

Common Smoothcap	<i>Atrichum undulatum</i>	6.03	c
Dwarf Haircap	<i>Pogonatum aloides</i>	9.02	u
Wood Hair-moss	<i>Polytrichum formosum</i>	10.02	f
Juniper Haircap	<i>Polytrichum juniperinum</i>	10.06	u

Encalyptales

Spiral Extinguisher-moss	<i>Encalypta streptocarpa</i>	14.01	f
Common Extinguisher-moss	<i>Encalypta vulgaris</i>	14.04	u

Funariales

Bonfire Moss	<i>Funaria hygrometrica</i>	15.01	f
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Dicranales

Bendy Ditrichum	<i>Flexitrichum flexicaule</i>	21.01	u	#
Slender Ditrichum	<i>Flexitrichum (Ditrichum) gracile</i>	21.20	f	
Brittle Swan-neck Moss	<i>Campylopus fragilis</i>	26.04	u	
Dwarf Swan-neck-moss	<i>Campylopus pyriformis</i>	26.05	u	
Rusty Swan-neck Moss	<i>Campylopus flexuosus</i>	26.06	u	
Heath Star-moss	<i>Campylopus introflexus</i>	26.11	f	
Large/Smaller White-moss	<i>Leucobryum glaucum</i>	27.01	u	note 1.
Variable Forklet-moss	<i>Dicranella varia</i>	31.05	u	
Silky Forklet-moss	<i>Dicranella heteromalla</i>	31.10	c	
Green Pocket-moss	<i>Fissidens viridulus</i>	32.01	u	
Petty Pocket-moss	<i>Fissidens pusillus</i>	32.03	u	
Narrow-leaved Pocket-moss	<i>Fissidens gracilifolius</i>	32.04	u	
Short-leaved Pocket-moss	<i>Fissidens incurvus</i>	32.05	u	
Lesser Pocket-moss	<i>Fissidens bryoides</i>	32.06	f	
Flatfoot Pocket-moss	<i>Fissidens crassipes</i>	32.09	u	
Slender Pocket-moss	<i>Fissidens exilis</i>	32.11	u	
Common/great Pocket-moss	<i>Fissidens taxifolius</i>	32.15	c	
Rock Pocket-moss	<i>Fissidens dubius</i>	32.16	f	
Maidenhair Pocket-moss	<i>Fissidens adianthoides</i>	32.17	u	
Broom Fork-moss	<i>Dicranum scoparium</i>	34.04	f	
Greater Fork-moss	<i>Dicranum majus</i>	34.06	u	
Common Pincushion	<i>Dicranoweisia cirrata</i>	39.01	u	
Taper-leaved Earth-moss	<i>Pleuridium acuminatum sl.</i>	46.01	u	
Redshank	<i>Ceratodon purpureus</i>	50.01	f	

Pottiales

Whorled Tufa Moss	<i>Eucladium verticillatum</i>	53.01	f
Small-mouthed Beardless-moss	<i>Weissia brachycarpa</i>	54.06	u
Green-tufted Stubble-moss	<i>Weissia controversa</i>	54.01	u
Variable Crisp-moss	<i>Trichostomum brachydontium</i>	55.01	u
Curly Crisp-moss	<i>Trichostomum crispulum</i>	55.02	f

Neat Crisp-moss	<i>Tortella nitida</i>	57.02	u	
Frizzled Crisp-moss	<i>Tortella tortuosa</i>	57.05	f	
Slender Stubble-moss	<i>Gyroweisa tenuis</i>	61.01	u	
Luisier's Tufa-moss	<i>Gymnostomum viridulum</i>	62.01	u	
Blunt-leaved Tufa Moss	<i>Gymnostomum calcareum</i>	62.02	u	
Verdigris Tufa-moss	<i>Gymnostomum aeruginosum</i>	62.03	u	
Hornschuch's Beard-moss	<i>Pseudocrossidium hornschuchianum</i>	67.01	u	
Revolute Beard Moss	<i>Pseudocrossidium revolutum</i>	67.02	u	
Red Beard-moss	<i>Bryoerythrophyllum recurvirostrum</i>	68.01	u	
Lesser Bird's-claw Beard-moss	<i>Streblotrichum (Barbula) convoluta</i>	70.01	c	
Bird's-claw Beard-moss	<i>Barbula unguiculata</i>	71.01	c	
Wavy Beard-moss	<i>Didymodon sinuosus</i>	72.01	f	
False Beard-moss	<i>Didymodon fallax</i>	72.04	f	
Dusky Beard-moss	<i>Didymodon luridus</i>	72.06	f	
Olive Beard-moss	<i>Didymodon tophaceus</i>	72.07	u	
Nicholson's Beard-moss	<i>Didymodon nicholsonii</i>	72.08	u	
Soft-tufted Beard-moss	<i>Didymodon vinealis</i>	72.09	u	#
Cylindrical Beard-moss	<i>Didymodon insulanus</i>	72.10	c	
Rigid Beard-moss	<i>Didymodon rigidulus</i>	72.13	f	
Aloe Moss	<i>Aloina aloides</i>	76.03	u	
Bordered Screw-moss	<i>Tortula marginata</i>	77.07	u	
Wall Screw-moss	<i>Tortula muralis</i>	77.10	c	
Common Pottia	<i>Tortula truncata</i>	77.19	f	
Cuspidate Earth-moss	<i>Tortula (Phascum) acaulon</i>	77.21	u	
Stanford Screw-moss	<i>Hennediella stanfordensis</i>	79.01	u	
Great Hairy Screw-moss	<i>Syntrichia (Tortula) ruralis</i>	82.01	u	
Intermediate Screw-moss	<i>Syntrichia montana</i>	82.04	c	
Small Hairy Screw-moss	<i>Syntrichia laeviphila</i>	82.07	u	
Marble Screw-moss	<i>Syntrichia papillosa</i>	82.08	u	
Water Screw-moss	<i>Syntrichia latifolia</i>	82.09	u	
Smaller Lattice-moss	<i>Cinclidotus fontinaloides</i>	83.01	u	
Gimniales				
Thickpoint Grimmia	<i>Schistidium crassipilum</i>	92.17	f	
Elegant Grimmia	<i>Schistidium elegantulum</i>	92.18	u ***	#
Grey-cushioned Grimmia	<i>Grimmia pulvinata</i>	93.16	c	
Hair-pointed Grimmia	<i>Grimmia trichophylla</i>	93.20	u	
Bryales				
Silver Moss	<i>Bryum argenteum</i>	110.05	c	
Tall-clustered Thread-moss	<i>Bryum pallens</i>	110.06	u	
Bicoloured Bryum	<i>Bryum dichotomum</i>	110.09	f	
Wall Thread-moss	<i>Bryum radiculosum</i>	110.12	u	
Capillary Thread-moss	<i>Bryum capillare</i>	110.42	c	
Crimson-tuber thread-moss	<i>Bryum rubens</i>	110.52	f	
Marsh Bryum	<i>Bryum pseudotriquetrum</i>	110.48	u	
Pink-fruited Thread-moss	<i>Pohlia melanodon</i>	113.18	u	
Pale-glaucous Thread-moss	<i>Pohlia wahlenbergii</i>	113.19	u	
Forest Star	<i>Mnium hornum</i>	115.01	c	
Bordered Thyme-moss	<i>Mnium marginatum</i>	115.05	u	
Starry Thyme-moss	<i>Mnium stellare</i>	115.06	u	
Dotted Thyme-moss	<i>Rhizomnium punctatum</i>	117.01	u	
Woody Thyme-moss	<i>Plagiomnium cuspidatum</i>	118.01	f	
Many-fruited Thyme-moss	<i>Plagiomnium affine</i>	118.02	f	
Hart's-tongue Thyme moss	<i>Plagiomnium undulatum</i>	118.06	c	
Long-beaked Thyme-moss	<i>Plagiomnium rostrata</i>	118.07	f	#
Orthotrichales				
Green Yoke Moss	<i>Zygodon viridissimus</i>	120.01	c	
Lesser Yoke-moss	<i>Zygodon conoideus</i>	120.04	u	
Stirton's Yoke-moss	<i>Zygodon stirtonii</i>	120.02	u	#
Wood Bristle-moss	<i>Lewinskya (Orthotrichum) affinis</i>	123.03	c	
Lyell's Bristle moss	<i>Pulviger (Orthotrichum) lyellii</i>	125.01	u	

River Bristle-moss	<i>Orthotrichum rivulare</i>	122.05	u	
Elegant Bristle-moss	<i>Orthotrichum pulchellum</i>	122.03	f	
Straw Bristle-moss	<i>Orthotrichum stramineum</i>	122.16	f	
Anomalous Bristle-moss	<i>Orthotrichum anomalum</i>	122.01	f	
White-tipped Bristle-moss	<i>Orthotrichum diaphanum</i>	122.07	f	
Bruch's Pincisshion	<i>Ulota bruchii</i>	126.04	c	
Cape Thread-moss	<i>Orthodontium lineare</i>	128.01	u	
Drumsticks	<i>Aulacomnium androgynum</i>	131.03	u	
Hypnales				
Starry Feather-moss	<i>Campylium stellatum</i>	134.01	u	
Dull-starry Feather-moss	<i>Campylium protensum</i>	134.02	u	
Greater Water-moss	<i>Fontinalis antipyretica</i>	137.01	f	
Dentated Silk-moss	<i>Plagiothecium denticulatum</i>	141.03	u	#
Juicy Silk-moss	<i>Plagiothecium succulentum</i>	141.08	f	
Woodsy Silk-moss	<i>Plagiothecium nemorale</i>	141.09	u	
Elegant Silk-moss	<i>Pseudotaxiphillum elegans</i>	143.01	f	
Fern-leaved Hook-moss	<i>Cratoneuron filicinum</i>	150.01	u	
Curled Hook-moss	<i>Palustriella commutata</i>	151.01	u	
Creeping Feather-moss	<i>Amblystegium serpens</i>	153.01	c	
Tiny Feather-moss	<i>Serpoleskea confervoides</i>	161.01	u ***	
Chalk Feather-moss	<i>Campylophyllopsis calcarea</i>	162.01	u ***	
Sickle-leaved Hook-moss	<i>Sanionia uncinata</i>	170.01	u	
Many-fruited Leskea	<i>Leskea polycarpa</i>	174.01	u	
Tamarisk Moss	<i>Thuidium tamariscinum</i>	178.01	c	
Neat Feather Moss	<i>Pseudoscleropodium purum</i>	180.01	c	
Lesser-striate Feather-moss	<i>Plasteurhynchium striatulum</i>	182.02	u ***	#
Common Striated Feather-moss	<i>Eurhynchium striatum</i>	183.01	c	
Wall Feather-moss	<i>Rhynchostegium murale</i>	184.03	u	
Clustered Feather-moss	<i>Rhynchostegium confertum</i>	184.04	f	
Tender Feather-moss	<i>Rhynchostegiella tenella</i>	185.01	f	
Hair-pointed Feather-moss	<i>Cirriphyllum piliferum</i>	186.01	f	
Beech Feather-moss	<i>Cirriphyllum crassinervium</i>	186.02	u	
Dwarf Feather Moss	<i>Microeurhynchium pumilum</i>	187.01	f	
Swartz's Feather-moss	<i>Oxyrrhynchium hians</i>	188.01	u	
Twist-tip Feather-moss	<i>Oxyrrhynchium schleicheri</i>	188.02	u ***	
Common Feather-moss	<i>Kindbergia (Eurhynchium) praelonga</i>	189.01	c	
Matted Feather-moss	<i>Sciuro-hypnum populeum</i>	190.04	u	#
White Feather-moss	<i>Brachythecium albicans</i>	191.01	u	BBS
Streaky Feather-moss	<i>Brachythecium glareosum</i>	191.03	f	#
Rough-stalked Feather-moss	<i>Brachythecium rutabulum</i>	191.06	c	
Tufted Feather-moss	<i>Scleropodium cespitans</i>	192.01	u	
Velvet Feather-moss	<i>Brachytheciastrum velutinum</i>	194.01	u	#
Silky Wall Feather-moss	<i>Homalothecium sericeum</i>	195.01	c	
Yellow Feather-moss	<i>Homalothecium lutescens</i>	195.02	u	#
Cypress-leaved Plait-moss	<i>Hypnum supressiforme</i>	196.01	c	note 2.
Mamillate Plait-moss	<i>Hypnum andoi</i>	196.02	f	
Heath Plait-moss	<i>Hypnum jutlandicum</i>	196.04	f	
Depressed Feather-moss	<i>Taxiphyllum wissgrillii</i>	197.01	u	
Flat-brochade Moss	<i>Platygyrium repens</i>	198.01	u	
Pointed Spear-moss	<i>Calliergonella cuspidata</i>	201.01	c	
Lindberg's Plait-moss	<i>Calliergonella lindbergii</i>	201.02	u	
Springy Turf Moss	<i>Rhytidiadelphus squarrosus</i>	210.01	c	
Little Shaggy Moss	<i>Rhytidiadelphus loreus</i>	210.03	u	
Big Shaggy Moss	<i>Hylocomiadelphus triquetus</i>	211.01	c	
Short-beaked Wood-moss	<i>Loeskeobryum brevirostre</i>	212.01	u	
Lateral Cryphaea	<i>Cryphaea heteromala</i>	218.01	c	
Flat Neckera	<i>Neckera complanata</i>	223.04	c	
Crisped Neckera	<i>Neckera crispa</i>	223.03	f	
Blunt Feather-moss	<i>Homalia trichomanoides</i>	224.01	u	
Fox-tail Feather-moss	<i>Thamnobryum alopecurum</i>	225.01	f	
Mouse-tail moss	<i>Isothecium myosuroides</i>	229.01	c	
Larger Mouse-tail Moss	<i>Isothecium alopecuroides</i>	229.03	c	

Comb Moss	<i>Ctenidium molluscum</i>	230.01	c
Rambling Tail-moss	<i>Anomodon viticulosus</i>	233.02	c
162 spp			

Notes to above list:

1. All or *Leucobryum glaucum* records could in fact be *L. juniperoideum* as field determination is not easy.
2. This now includes *Hypnum resupinatum*, *H. lacunosum* due to recent taxonomic changes

Additional Moss records – Old records prior to 1970 or not reliably seen since. Listed in alphabetic order.

AL – Rev. Augustin Ley ca. 1880

	BBS no.	
<i>Aloina ambigua</i>	76.04	AL
<i>Anomodon longifolius</i>	216.01	19 th C, Symonds Yat. Status Unclear if ever on Doward side of Wye.
<i>Amphidium mougeotii</i>	28.02	
<i>Bartramia pomiformis</i>	106.02	
<i>Sciuro-hypnum plumosum</i>	190.05	
<i>Bryum cespiticium</i>	110.49	AL
<i>Bryum canariensis</i>	110.04	
<i>Bryum donianum</i>	110.41	
<i>Bryum kunzei</i>	110.50	BBS
<i>Bryum torquescens</i>	110.45	AL
<i>Bryum turbinatum</i>	110.32	AL
<i>Campylophyllum chrysophyllum</i>	152.04	AL
<i>Climacium dendroides</i>	147.01	AL
<i>Dialytrichia mucronata</i>	66.01	
<i>Dichodontium pellucidum</i>	29.01	
<i>Dicranum fuscescens</i>	34.04	
<i>Dicranum spadiceum</i>	34.05	
<i>Dicranum scottianum</i>	34.12	
<i>Entosthodon fascicularis</i>	16.04	
<i>Entostodon obtusus</i>	16.06	
<i>Ephemerum stoloniferum</i>	65.05	
<i>Grimmia montana</i>	93.05	
<i>Grimmia orbicularis</i>	93.17	
<i>Hedwigia ciliata</i>	95.01	
<i>Heterocladium heteropterum</i>	228.01	
<i>Hygrohypnum luridum</i>	159.01	
<i>Hylocomium splendens</i>	214.01	
<i>Leptodictyum riparium</i>	155.01	
<i>Leucodon scuiroides</i>	221.01	
<i>Microbryum davallianum</i>	78.02	
<i>Orthotrichum tenellum</i>	122.05	
<i>Orthotrichum sprucei</i>	122.06	AL
<i>Physcomitrium pyriforme</i>	17.01	AL
<i>Philonotis fontana</i>	107.05	
<i>Platydictya jungermannioides</i>	139.01	
<i>Rhychostegium riparioides</i>	184.01	
<i>Pleurochaete squarrosa</i>	64.01	
<i>Pohlia prolifera</i>	113.12	
<i>Pohlia nutans</i>	113.04	
<i>Polytrichum piliferum</i>	10.05	
<i>Pseudephemerum nitidum</i>	47.01	
<i>Nogopterium gracile</i>	22.01	
<i>Ptychomitrium polyphyllum</i>	88.01	
<i>Racomitrium fasciculare</i>	94.04	
<i>Racomitrium heterostichum</i>	94.09	
<i>Rhodobryum roseum</i>	111.01	
<i>Rhychostegiella teneriffae</i>	185.04	
<i>Rhytidium rugosum</i>	216.01	
<i>Schistidium apocarpum</i>	92.05	
<i>Scorpiurium circinatum</i>	181.01	
<i>Seligeria pusilla</i>	87.01	

<i>Seligeria donniana</i>	87.06		
<i>Seligeria acutifolia</i>	28.02		
<i>Trichodon cylindricus</i>	48.01	BBS	
<i>Ulota crispata</i>	126.07	status unclear cf. <i>U. bruchii</i>	
55spp			

Marchantiophyta - Liverworts

Species recorded since 1970 - Listed by order in BBS sequence

Lunulariales

Crescent-cup Liverwort	<i>Lunularia cruciata</i>	4.01	f
Common Liverwort	<i>Marchantia polymorpha</i>	5.01	f

Marchantiales

Great Scented Liverwort	<i>Conocephalum conicum</i>	9.01	u
Hemisphaeric Liverwort	<i>Reboulia hemisphaerica</i>	6.01	u
Lesser Crystalwort	<i>Riccia subbifurca</i> sl.	10.12	u

Pelliales

Endive Pellia	<i>Pellia endiviifolia</i>	13.03	f
Overleaf Pellia	<i>Pellia epiphylla</i>	13.01	f

Fossombroniales

Common Frillwort	<i>Fossombronina pusilla</i> sl.	14.05	u
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Metzgeriales

Bluish Veilwort	<i>Metzgeria violacea</i>	19.01	f
Whiskered Veilwort	<i>Metzgeria consanguinea</i>	19.02	f
Forked Veilwort	<i>Metzgeria furcata</i>	19.03	c
Downy Veilwort	<i>Metzgeria pubescens</i>	19.06	u ***
Greasewort	<i>Aneura pinguis</i>	20.01	u
Jagged Germanderwort	<i>Riccardia chamedryfolia</i> sl.	21.02	u

R. multifida

Porellales

Wall Scalewort	<i>Porella platyphylla</i>	22.01	f
Bitter Scalewort	<i>Porella arboris-vitae</i>	22.03	f
Even Scalewort	<i>Radula complanata</i>	23.01	f
Dilated Scalewort	<i>Frullania dilatata</i>	24.05	c
Minute Pouncewort	<i>Myriocoleopsis minutissima</i>	27.01	u
Micheli's Least Pouncewort	<i>Lejeunea cavifolia</i>	31.01	u
Mackay's Pouncewort	<i>Marchesinia mackaii</i>	32.01	u ***
Fairy Beads	<i>Microlejeunea ulicina</i>	33.01	f

Jungermanniales

Creeping Fingerwort	<i>Lepidozia reptans</i>	40.01	f
Bifid Crestwort	<i>Lophocolea bidentata</i>	44.01	c
Variable-leaved Crestwort	<i>Lophocolea heterophylla</i>	44.03	f
Greater Featherwort	<i>Plagiochila asplenoides</i>	48.03	c
Lesser Featherwort	<i>Plagiochila porelloides</i>	48.02	c
Common Pouchwort	<i>Calypogeia fissa</i>	54.01	c
Mueller's Pouchwort	<i>Calypogeia muelleriana</i>	54.02	u
Notched Pouchwort	<i>Calypogeia arguta</i>	54.08	c
Scarce Notchwort	<i>Mesoptychia badensis</i>	57.07	u
Top Notchwort	<i>Mesoptychia turbinata</i>	57.08	u
Dark-green Flapwort	<i>Jungermannia atrovirens</i>	60.01	u
Two-horned Pincerwort	<i>Cephalozia bicuspidata</i>	71.01	f
Rustwort	<i>Cephalozia curvifolia</i>	71.02	u
White Earwort	<i>Diplophyllum albicans</i>	92.01	c
Grove Earwort	<i>Scapania nemorea</i>	94.11	f
Heath Earwort	<i>Scapania irrigua</i>	94.12	u

Liverworts continued – Old Records prior to 1970 or not reliably seen since. Listed in alphabetic order.

<i>Cololejeunea rosettiana</i>	26.03
<i>Frullania tamarisci</i>	24.01
<i>Lophosia excisa</i>	87.05
<i>Marsupella emmarginata</i>	67.02
<i>Metzgeria conjugata</i>	19.04
<i>Orthocaulis attenuatus</i>	76.03
<i>Plagiochila Britannica</i>	48.04
<i>Riccia glauca</i>	10.09
<i>Riccia sorocarpa</i>	10.07
<i>Scapania compacta</i>	94.01

Anthocerotophyta - Hornworts

<i>Anthoceros punctatus</i>	1.01
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Algae

This group is largely outside the scope of this publication as most species require advance microscopic techniques for determination. However, some species are important for various ecological reasons and can be noticeable when growing on various land and aquatic substrates.

Trentapohlia aurea, a filamentous green alga, is a common sight common on trees in The Doward and noticeable due its bright orange colouration caused by the production of carotinoid chemicals. This and the genus *Trebouxia* are from the class of Chlorophyta are the partner alga or photobiont of many Lichen species such as *Xanthoria parietina*.

Four other species of algae from Phylum Chlorophyta are also listed by NBN from 1977. *Gongrosira incrustans*, *Paulschulzia*, *Cladophora glomerata*, *Ulva flexuosa*.

Phylum Charophyta (aquatic Stoneworts) reported by NBN just outside Doward at Dixton, Monmouth with two species *Chara vulgaris* and *C. globularis* listed (1891 and 1944 respectively and again, but not to species level, in 1979).

1.3. Checklist of Larger Fungi and Lichens

The list below is generated from a range of 'informal' observations by various recorders on the Doward rather than a set of formal records. It should therefore be treated as for guidance purposes only.

The family classification and sequence are taken from that used in Sterry, P & Hughes B. (2009). Collins Complete Guide to British Mushrooms & Toadstools. It has NOT been checked with the latest version from the British Mycological Society. Most families of larger fungi are in the Phylum Basidiomycota although some are in Ascomycota. Lichens are treated separately.

*** denotes a nationally uncommon or notable species.

Larger Fungi:

Boletaceae

Bay Bolete type	<i>Boletus badius</i>	
Cep	<i>Boletus edulis</i>	
Devil's Bolete	<i>Boletus satanas</i>	***
Lurid Bolete	<i>Boletus luridus</i>	
Scarletina Bolete type	<i>Boletus luridiformis/erythropus</i>	ag
Bitter Beech Bolete	<i>Boletus calopus</i>	
Rooting Bolete	<i>Boletus radicans</i>	
Orange Oak Bolete	<i>Leccinum aurantiacum</i>	
Brown Birch Bolete	<i>Leccinum scabrum</i>	
Larch Bolete	<i>Suillus grevillea</i>	
Hollow Bolete	<i>Suillus cavipes</i>	***
n/a	<i>Suillus tridentinus</i>	
Bovine Bolete	<i>Suillus bovinus</i>	
n/a	<i>Xerocomellus cisalpinus</i>	
Matt Bolete	<i>Xerocomellus pruinatus</i>	

Russulaceae

Blackening Brittlegill	<i>Russula nigricans</i>	
Ochre Brittlegill	<i>Russula ochroleuca</i>	or ag
Charcoal Burner	<i>Russula cyanoxantha</i>	
Golden Brittlegill	<i>Russula risigallina</i>	
Birch Brittlegill	<i>Russula betularum</i>	
Crowded Brittlegill	<i>Russula densifolia</i>	
Fragile Brittlegill	<i>Russula fragilis</i>	
Milk White Brittlegill	<i>Russula delica</i>	
Scarlet Brittlegill	<i>Russula pseudointegra</i>	
Bare-toothed Brittlegill	<i>Russula vesca</i>	
Beech Milkcap	<i>Lactarius blennius</i>	
Mild Milkcap	<i>Lactarius subdulcis</i>	
Fiery Milkcap	<i>Lactarius pyrogalus</i>	
Oakbug Milkcap	<i>Lactarius quietus</i>	
Tawny Milkcap	<i>Lactarius fulvissimus</i>	
Woolly Milkcap	<i>Lactarius torminosus</i>	
Yellowdrop Milkcap	<i>Lactarius chrysorrheus</i>	
Pale Milkcap	<i>Lactarius pallidus</i>	
Birch Milkcap	<i>Lactarius tabidus</i>	

Agaricaceae

George's Mushroom	<i>Calocybe gambosa</i>	
Yellow Stainer	<i>Agaricus xanthodermus</i>	
Wood Mushroom	<i>Agaricus silvicola</i>	
n/a	<i>Lepiota hystrix</i>	
Freckled Dapperling	<i>Lepiota aspera</i>	
Stinking Dapperling	<i>Lepiota cristata</i>	
Shield Dapperling	<i>Lepiota clypeolaria</i>	
Parasol	<i>Macrolepiota procera</i>	
Slender Parasol	<i>Macrolepiota mastoides</i>	
n/a	<i>Cystolepiota hetieri</i>	

Hygrophoraceae

Snowy Waxcap	<i>Hygrocybe virginea</i>	
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Spangle Waxcap	<i>Hygrocybe insipida</i>
Scarlet waxcap	<i>Hygrocybe coccinea</i>
Butter Waxcap	<i>Hygrocybe ceracea</i>
Blackening Waxcap	<i>Hygrocybe conica</i>
Honey Waxcap	<i>Hygrocybe reidii</i>
Parrot Waxcap	<i>Hygrocybe psittacina</i>
Meadow Waxcap	<i>Hygrocybe pratensis</i>
Cedarwood Waxcap	<i>Hygrocybe russocoriacea</i>
Hygrophoropsidaceae	
Ivory Woodwax	<i>Hygrophorus eburneus</i>
Cantharellaceae	
False Chanterelle	<i>Hygrophoropsis aurantiaca</i>
Trumpet Chanterelle	<i>Cantharellus tubaeformis</i>
Chanterelle	<i>Cantharellus cibarius</i>
Coprinaceae	
Glistening Inkcap	<i>Coprinus micacea</i>
Shaggy Inkcap	<i>Coprinus comatus</i>
Pleated Inkcap	<i>Parasolus (Coprinus) plicatilis</i>
Fairy Inkcap	<i>Coprinellus disseminatus</i>
Magpie Inkcap	<i>Coprinus picacea</i>
Common Inkcap	<i>Coprinus atramentaria</i>
Psathyrellaceae	
Stump Brittlestem	<i>Psathyrella piluliformis</i>
Conical Brittlestem	<i>Psathyrella conophilus</i>
Pale Brittlestem	<i>Psathyrella candoleana</i>
Brown Mottlegill	<i>Panaeolina foenisecii</i>
Petticoat Brittlestem	<i>Psathyrella artemisia</i>
Weeping Widow	<i>Lacrymaria lacrymabunda</i>
Tricholomataceae	
Common Bonnet	<i>Mycena galericulata</i>
Drab Bonnet	<i>Mycene aetites</i> sl.
Burgundydrop Bonnet	<i>Mycena haematopus</i>
Saffrondrop Bonnet	<i>Mycena crocata</i>
Lilac Bonnet	<i>Mycena pura</i>
Ivory Bonnet	<i>Mycena flavoalba</i>
Milking Bonnet	<i>Mycena galopus</i>
Blackedge Bonnet	<i>Mycena pelianthina</i>
Pink Bonnet	<i>Mycena rosella</i>
n/a	<i>Mycena stipata</i>
Snapping Bonnet	<i>Mycena vitilis</i>
n/a	<i>Hydropus subalpinus</i>
Russet Toughshank	<i>Collybia (Gymnopus) dryophila</i>
Whitelaced Shank	<i>Megacollybia platyphylla</i>
Sulphur Knight	<i>Tricholoma sulphureum</i>
Blue spot Knight	<i>Tricholoma columbretta</i>
Soapy Knight	<i>Tricholoma saponaceum</i>
n/a	<i>Tricholoma ustale</i>
Clustered Domecap	<i>Lyophyllum decastes</i>
Club Foot	<i>Ampulloclitocybe clavipes</i>
Velvet Shank	<i>Flamulina velutipes</i>
The Deceiver	<i>Laccaria laccata</i>
Amythyst Deceiver	<i>Laccaria amethystina</i>
Wood Blewit	<i>Lepista nuda</i>
Tawny Funnel	<i>Lepista flaccida</i>
Porcelain Fungus	<i>Oudemansiella mucida</i>
Trooping Funnel	<i>Clitocybe geotrupa</i>
Common Funnel	<i>Clitocybe gibba</i>
Ivory/Frosty Funnel	<i>Clitocybe dealabata/phylophila</i>
Honey Fungus	<i>Armillaria mellea</i>
Plums and Custard	<i>Tricholomopsis rutilans</i>
Common Cavalier	<i>Melanoleuca polioleuca</i>
Twig Parachute	<i>Marasmiellus ramealis</i>
Collared Parachute	<i>Marasmiellus rotula</i>

Orange Mosscap	<i>Rickenella fibula</i>
White Domecap	<i>Lyophyllum connatum</i>
Clustered Domecap	<i>Lyophyllum decastes</i>
Strophariaceae	
Blue Roundhead	<i>Stropharia caerulea</i>
Verdigris Roundhead	<i>Stropharia aeriginosa</i>
Sulfur Tuft	<i>Hypholoma fasciculare</i>
Shaggy Scalycap	<i>Pholiota squarrosa</i>
Golden Scalycap	<i>Pholiota aurivella</i>
Petticoat Mottlegill	<i>Panaeolus papilionaceus</i>
Cortinariaceae	
Bulbous/Star Fibrecap type	<i>Inocybe napipes/asterospora</i>
White/Lilac Fibrecap	<i>Inocybe geophylla</i>
Scaly Fibrecap	<i>Inocybe hystrix</i>
n/a	<i>Inocybe cincinnata var. major</i>
n/a	<i>Inocybe patouillardii</i>
Common Rustgill	<i>Gymnopilus penetrans</i>
n/a	<i>Conocybe tenera</i>
Variable Webcap	<i>Cortinarius anomalus</i>
Dappled Webcap	<i>Cortinarius bolaris</i>
Stocking Webcap	<i>Cortinarius torvus</i>
n/a	<i>Cortinarius olivaceofuscus</i>
n/a	<i>Cortinarius elegantissimus</i>
Poisonpie	<i>Hebeloma crustuliniforme</i>
Sweet Poisonpie	<i>Heboloma sacchariolens</i>
Funeral Bell	<i>Galerina marginata (was G. autumnalis)</i>
Moss Bell	<i>Galerina hypnorum</i>
Entolomataceae	
Wood Pinkgill	<i>Entoloma rhodopolium</i>
Pimple Pinkgill	<i>Entoloma hebes</i>
n/a	<i>Entoloma incanum</i>
n/a	<i>Entoloma conferendum</i>
The Miller	<i>Clitopilus prunulus</i>
Bolbitaceae	
Yellow Fieldcap	<i>Bolbitius titubans</i>
Velvet Toughshank	<i>Kuehneromyces mutabilis</i>
Pluteaceae	
Deer Shield	<i>Pluteus cervinus</i>
n/a	<i>Pluteus salicinus</i>
Paxillaceae	
Brown Rollrim	<i>Paxillus involutus</i>
Auriscalpiaceae	
Aniseed Cockleshell	<i>Lentinellus cochleatus</i>
Amanitaceae	
Snakeskin Grisette	<i>Amanita ceciliae</i>
Rooting Shank	<i>Xerula radicata</i>
Fly Agaric	<i>Amanita muscaria</i>
Grey-spotted Amanita	<i>Amanita excelsa</i>
Death cap	<i>Amanita phalloides</i>
False Deathcap	<i>Amanita citrina</i>
Tawny Grisette	<i>Amanita fulva</i>
Psathyrellaceae	
n/a	<i>Psathyrella candolleana</i>
n/a	<i>Psathyrella leucotephra</i>
Lentinaceae	
Oyster Mushroom	<i>Pleurotus ostreatus</i>
Pale Oyster	<i>Pleurotus pulmonarius</i>
Crepidotaceae	
Variable Oysterling	<i>Crepidotus variabilis</i>
n/a	<i>Crepidotus lundellii</i>
n/a	<i>Crepidotus cesatii</i>
Scurfy Twiglet	<i>Tubaria furfuracea</i>
Felted Twiglet	<i>Tuberia conspersa</i>

Xylariaceae	
Dead Man's Fingers	<i>Xylaria polymorpha</i>
Dead Moll's Finger	<i>Xylaria longipes</i>
Candlesnuff	<i>Xylaria hypoxylon</i>
Beech Woodwart	<i>Hypoxylon fragiforme</i>
Hazel Woodwart	<i>Hypoxylon fuscum</i>
Cramp Balls	<i>Daldinia concentrica</i>
Helotiales insertae sedis	
Green Elfcup	<i>Chlorociboria aeruginascens</i>
Helotiaceae	
Beech Jellydisc	<i>Neobulgaria pura</i>
Purple Jellydisc	<i>Ascocoryne sarcoides</i>
Common Grey Disco	<i>Mollisia cinerea</i>
Lemon Disco	<i>Bisporella citrina</i>
Bulgariaceae	
Black Bulgar	<i>Bulgaria inquinans</i>
Auriculariaceae	
Jelly (Jew's) Ear	<i>Auricularia auricula-judae</i>
Witches Butter	<i>Exidia glandulosa</i>
Leotiaceae	
Jellybaby	<i>Leotia lubrica</i>
Clavariaceae	
Yellow Club	<i>Clavulinopsis helvola/ luteoalba</i>
Meadow Coral	<i>Clavulinopsis corniculata</i>
Crested Coral	<i>Clavulina coralloides</i>
White Spindles	<i>Clavaria fragilis</i>
Slender Club	<i>Macrotypophula juncea</i>
Coral sp	<i>Ramaria spp poss. curta or decurrens</i>
Upright Coral	<i>Ramaria stricta</i>
Clavariadelphaceae	
Giant Club	<i>Clavariadelphus pistillaris</i>
Phallaceae	
Stinkhorn	<i>Phallus impudicus</i>
Dacrymycetaceae	
Yellow Stagshorn	<i>Calocera viscosa</i>
Small Stagshorn	<i>Calocera cornea</i>
Yellow Brain	<i>Tremella mesenterica</i>
Orange Brain	<i>Tremella aurantia</i>
Helvellaceae	
Elfin Saddle	<i>Helvella lacunosa</i>
Common White Saddle	<i>Helvella crispa</i>
Orange Peel Fungus	<i>Aleuria aurantia</i>
Geoglossaceae	
Earthtongue	<i>Geoglossum cookeanum ag</i>
Earthtongue	<i>Geoglossum viride or olivacum</i>
Sarcoscyphaceae	
Scarlet Elfcups	<i>Sarcoscypha austraca</i>
Geastraceae	
Collared Eathstar	<i>Geastrum triplex</i>
Nidulariaceae	
Fluted Bird's Nest	<i>Cyathus olla</i>
Lycoperdaceae	
Common Puffball	<i>Lycoperdon perlatum</i>
Stump Puffball	<i>Lycoperdon pyriforme</i>
Spiny Puffball	<i>Lycoperdon echinatum</i>
Meadow/grassland Puffball	<i>Lycoperdon pratense/lividum</i>
Sclerodermataceae	
Common Earthball	<i>Scleroderma citrinum</i>
Polyporaceae	
Dryad's Saddle	<i>Polyporus squamosus</i>
Blackfoot Polypore	<i>Polyporus leptocephalus/varius</i>
Tuberous Polypore	<i>Polyporus tuberaster</i>

Winter Polypore	<i>Polyporus brumalis</i>
Ganodermateae	
Artists Bracket	<i>Ganoderma applanatum</i>
n/a	<i>Ganoderma australe</i>
Turkeytail	<i>Trametes versicolor</i>
Lacquered Bracket	<i>Ganoderma lucidum</i>
Purplepore Bracket	<i>Trichaptum abietinum</i>
Hazel Bracket	<i>Skeletocutis nivea</i>
Fistulinaceae	
Beefsteak Fungus	<i>Fistulina hepatica</i>
Hymenochaetaceae	
Oak Bracket	<i>Inonotus dryadeus</i>
Hydnaceae	
Wood hedgehog	<i>Hydnum repandum</i>
Terracota Hedgehog	<i>Hydnum rufescens</i>
Coriolaceae	
Birch Polypore	<i>Piptoporus betulinus</i>
Fomitopsidaceae	
Powderpuff Bracket	<i>Postia ptychogaster</i>
Resupinates	
Wrinkled Crust	<i>Phlebia radiata</i>
Cobalt Crust	<i>Terana caerulea</i>
Bleeding Broadleaf Crust	<i>Stereum rugosum</i>
Bleeding Oak Crust	<i>Stereum gausapatum</i>
n/a	<i>Stereum hirsutum</i>
Silverleaf Fungus	<i>Chondrostereum purpureum</i>
Morchellaceae	
Bleach Cup	<i>Disciota venosa</i>
Semifree Morel	<i>Morchella semilibera</i>
Rust on Pendulous Sedge	<i>Puccinia caricina var ribesii-pendulae</i>
Tar spot	<i>Rhytisma acerinum</i>

A checklist of Lichens

A substantial number of species are listed on NBN and in other sources but due to recent taxonomic changes a detailed review would be required to provide an updated list.

The following list is a set of common species known on the Downard using old nomenclature and are all unverified records so should be treated as such.

Arthonia radiata
Graphis scripta ag.
Verrucaria nigrescens ag.
Caloplaca citrina ag.
Caloplaca flavescens
Lecidella elaeochroma
Lecanora expallens ag.
Lecanora chlorotera
Lecanora albella sl.
Lecanora sp prob dispersa sl.

Xanthoria parietina
Physcia tennella-adscendens
Physcia aipolia
Parmelia sulcata
Punctelia subrudecta
Hypnogygia physodes
Evernia prunastri
Ramalina fastigiata
Ramalina farinacea

Usnea subfloridana
Usnea florida
Peltigera membranacea ag.

Cladonia coniocraea ag.
Hypotrachyna revoluta
Collema auriforme
Protoblastenia rupestris

Supplementary Notes

1. Endemics plants of the Doward

The two taxa groups where the local speciation is deemed to have occurred are:

1. Whitebeams:

In a contribution to Herefordshire Wildlife Trust's March 2015 Flycatcher magazine Dave Green asserted that the Doward now has 14 species of *Sorbus* of which 5 are endemic to the Lower Wye Valley with two being found only on the Doward. He also described the Doward as the second most important site in the British Isles for its *Sorbus* diversity after the Avon Gorge. Studies by Tim Rich of Cardiff University aided by Dave Green and others describe an ongoing evolutionary process for this genus in this area of the Wye Valley. Hybridisation and then back-crossing has taken place as revealed by genetic study techniques such as flow cytometry and with virtually all Whitebeam trees on the Doward having now been examined and mapped. It seems that subtly different habitats in closed canopy woodland and woodland edges on rocky ground have led to a range of new species being able to survive.

The full explanation of whitebeams on the Doward is given in scientific publications. In summary, there are three well known and well distributed species of *Sorbus* in UK, the **Common Whitebeam** *Sorbus aria*, the **Rowan** *Sorbus aucuparia* and the **Wild Service Tree** *Sorbus torminalis* and all occur on the Doward in reasonable numbers.

Two species are considered endemic to the Doward:

Sorbus herefordensis - **Herefordshire Whitebeam**, a woodland canopy species found in Miner's Rest reserve and other central areas of Great Doward.

Sorbus greenii - **Green's Whitebeam**, a woodland edge species found particularly around old quarries in the west and north of Great Doward.

Nine further species occurring on the Doward are considered near-endemic as they also occur in nearby areas of the Lower Wye Valley:

<i>Sorbus evansii</i>	Evans Whitebeam	Cliff edge or woodland fringe
<i>Sorbus eminentiformis</i>	Doward Whitebeam	Open high woodland
<i>Sorbus rupicola</i>	Rock Whitebeam	Cliff edge
<i>Sorbus saxicola</i>	Symonds Yat Whitebeam.	Cliff edge
<i>Sorbus porrigentiformis</i>	Grey-leaved Whitebeam	Rock faces
<i>Sorbus anglica</i>	English Whitebeam	Rock faces
<i>Sorbus eminens</i>	Round-leaved Whitebeam	Cliff face and woodland fringe
<i>Sorbus thuringiaca</i>	unnamed	Cliff face (= <i>S. aria</i> x <i>S. aucuparia</i>)
<i>Sorbus x decipiens</i>	Wye Whitebeam (old name)	Open high woodland (= <i>S. aria</i> x <i>S. torminalis</i> previously called <i>S. x tomentella</i>)

Also not recorded on Doward but found nearby on Coldhams Rocks:

Sorbus parviloba **Ship Rock Whitebeam.**



One of the rare cliff-edge *Sorbus* species at Seven Sisters.

2. Hawkweeds – *Hieracium* species:

To most people Hawkweed is just another yellow Dandelion-like plant but to people who like to dig deeper into the taxonomy and morphology of the family Aceracea (or Compositae to the old school) there is a range of interesting micro-species. One of them, *Hieracium subplanifolium*, is endemic to the Doward but known only from a small patch. It is unclear how many other similar Hawkweed species occur here, but this aggregate can be numerous especially around rocky areas such as in Lords Wood Quarry NR and on certain other thin-soiled track verges.



A Hawkweed *Hieracium* spp in Lord's Wood Quarry

Part 2. – Invertebrates:

This part of the publication presents checklists of all the main terrestrial invertebrate groups covering Insects, Arachnids, Molluscs, Crustaceans, Springtails and Myriapods. Microscopic invertebrates are omitted and some groups such as annelids, nematodes and mites are lacking any significant information from this site at the time of writing.

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2.1. Class Insecta – The insects

There are around 24,000 known insect species in UK, which are usually divided into 24 taxonomic groups loosely called 'Orders'. Checklists covering 18 of these with representatives on the Doward are presented here.

Each checklist is based around species in their taxonomic family within that order. However, the format and information presented is not uniform and in some cases information about local and national status is included and may or may not include the source of the record.

Coleoptera



A Burying Beetle *Nicrophilus vespilloides*

Diptera



The Downland Villa *Villa cingulata*

Lepidoptera



Grizzled Skipper – *Pyrgus malvae*

Orthoptera



Rufous Grasshopper – *Gomphocerippus rufus*

3.1. Checklist of Order Odonata: Dragonflies and Damselflies

Last update Aug'23

Suborder Zygoptera - Damselflies

Calopterygidae

Calopteryx virgo	Beautiful Demoiselle	Status unclear
Calopteryx splendens	Banded Demoiselle	Common (from River Wye)

Coenagrionidae

Coenagrion puella	Azure Damselfly	Common
Ishnura elegans	Blue-tailed Damselfly	Occasional
Pyrrhosoma nymphula	Large Red Damselfly	Occasional
Platycnemis pennipes	White-legged Damselfly	Common (from River Wye)

Suborder Anisoptera - Dragonflies

Libellulidae

Libellula depressa	Broad-bodied Chaser	Regular
Sympetrum striolatum	Common Darter	Regular
Libellula depressa	Broad-bodied Chaser	Regular
Orthetrum cancellatum	Black-tailed Skimmer	Occasional

Aeshnidae

Aeshna cyanea	Southern Hawker	Common
Aeshna mixta	Migrant Hawker	Occasional
Anax imperator	Emperor Dragonfly	Regular

Corduligasteridae

Cordulegaster boltonii	Golden Ringed Dragonfly	Scarce visitor
Gomphus vulgarens	Club-tailed Dragonfly	Regular (from River Wye)

3.2 Checklist of Order Orthoptera – Grasshoppers and Bushcrickets

Acrididae - Grasshoppers

Meadow Grasshopper	<i>Chlorhippus parallelus</i>	Common
Field Grasshopper	<i>Chlorhippus brunneus</i>	Common
Common Green Grasshopper	<i>Omocestus viridulus</i>	Reported but status unclear.
Rufous Grasshopper	<i>Gomphocerippus rufus</i>	Little Doward 2023
Mottled Grasshopper	<i>Myrmeleotettix maculatus</i>	Suspected but status unclear.

Tettigonidae – Bushcrickets

Dark Bushcricket	<i>Pholidoptera griseoptera</i>	Frequent
Speckled Bushcricket	<i>Leptophyes punctatissima</i>	Frequent
Oak Bushcricket	<i>Meconema thalassinum</i>	Frequent
Roesel's Bushcricket	<i>Metroiptera roeselii</i>	Now frequent since 2013.
Long-winged Conehead	<i>Conocephalus discolor</i>	Regular small numbers.

Tetrigidae

Common Groundhopper	<i>Tetrix undulata</i>	Frequent
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3.3 Checklist of Order Hemiptera – Plant Bugs

National Status codes

C = Common

L = Local

Nb = Notably Scarce group B, present in 30-100 squares of 10km

Record Source code

ID = authors own record (if in italics if not verified by a national recording scheme)

WT = Woodland Trust commissioned expert survey

NBN* = National Biodiversity Network data. Asterix * denotes spatial resolution of SO51 only

Family	Species		National status	Source
Suborder - Heteroptera				
Acanthosomatidae				
	Acanthosoma haemorrhoidale	Hawthorn Shieldbug		m
	Elasmucha grisea	Parent Bug		WT
	Elasmotherus interstinctus	Birch Shieldbug		m
Aradidae				
	Aneurus avenius	n/a		m
	Aradus depressus	n/a	L	m
Pentatomidae				
	Dolycoris baccarum	Hairy or Sloe Shieldbug	L	m
	Palomena prassina	Green Shieldbug		m
	Pentatoma ruficeps	Forest (Red-legged) Shieldbug		m
	Troilus luridus	Bronze Shieldbug		ID
	Eurydema oleracea	Crucifer Shieldbug		ID
	Elasmotherus interstinctus	Birch Shieldbug		ID
	Aelia acuminata	Bishop's Mitre		NBN*
Scutelleridae				
	Eurygaster testudinaria	Tortoise Shieldbug		ID
Stenocephalidae				
	Dicranocephalus medius	Spurgebug	Nb	ID/WT
Cynidae				
	Legnotus limbosus	n/a		NBN
	Sehirus luctuosus	Forget-me-not Shieldbug		NBN
Rhopalidae				
	Corizus hyoscyami	n/a		ID
	Rhopalus subrufus	n/a		ID
	Myrmus miriformis	n/a		NBN*
Nabidae				
	Himacerus apterus	Tree Damsel Bug		ID
	Nabis rugosus	n/a	c	WT
Coreidae				
	Coreus marginatus	Dock Bug	c	m
	Coriomeris denticulatus	Denticulated Leatherbug		m
Lygaeidae				
	Heterogaster urticae	Nettle Groundbug		ID
	Drymus brunneus	n/a	c	m
	Drymus sylvaticus	n/a	c	m
	Drymus ryei	n/a	c	WT
	Eremocoris podagricus	n/a	L	WT
	Kleidocerys resedae	n/a		WT
	Lasiosomus enervis	n/a		NBN*
	Peritrechus lundii	n/a		WT
	Scolopostethus affinis	n/a		m
	Scolopostethus thomsoni	n/a		WT
	Stygnocoris rusticus	n/a		NBN*
	Stygnocoris sabulosus	n/a		NBN*

	Trapezonotus desertus	n/a		m
	Taphropeltus contractus	n/a		WT
Gerridae	Gerris lacustris ag.	Pond Skater		ID
Notonectidae	Nonecta glauca	Common Backswimmer		m
Corixidae	Corixa sp	Water Boatman		ID
Microphysidae	Loricula elegantula	n/a		NBN*
	Loricula pselaphiformis	n/a		NBN*
Miridae	Adelphocoris lineolatus	Lucerne Bug		m
	Acetropis gimmerthalii	n/a	L	NBN*
	Blepharidopterus angulatus	Black-kneed Apple Capsid		NBN*
	Bryocoris pteridis	n/a		NBN*
	Capsus ater	n/a	c	m
	Calocoris alpestris	n/a		WT
	Calocoris quadrimaculatus	n/a	c	WT
	Closterotomus norwegicus	Potato Capsid		NBN*
	Grypocoris stysi	n/a		m
	Dicyphus epilobii	n/a	c	WT
	Dicyphus pallidicornis	n/a	c	WT
	Dicyphus globulifer	n/a		NBN*
	Deraeocoris flavilinea	n/a		NBN*
	Deraeocoris ruber	n/a		m
	Deraeocoris lutescens	n/a		NBN*
	Dryophilicoris flavoquadrimaculatus	n/a		NBN*
	Harpocera thoracica	n/a	c	WT
	Heterocordylus genistae	n/a		NBN*
	Heterotoma planicornis	n/a		ID
	Leptopterna dolabrata	Meadow Plant Bug		NBN*
	Lygocoris pabulinus	Common Green Capsid		ID
	Liocoris tripustulatus	n/a		NBN*
	Monalocoris filicis	Bracken Bug		NBN*
	Oncotylus viridiflavus	Knapweed Plant Bug		m
	Orthotylus (Orthotylus)marginalis	Dark Green Apple Capsid		NBN*
	Orthocephalus coriaceus	n/a		NBN*
	Orthonotus rufifrons	n/a		NBN*
	Notostira elongata	Elongated Grass Bug		m
	Pachytomella parallela	n/a		NBN*
	Phytocoris varipes	n/a		ID
	Psallus perrisi	n/a	c	WT
	Psallus varians	n/a	c	m
	Psallus wagneri	n/a	c	WT
	Phylus coryli	n/a		NBN*
	Phytocoris reuteri	n/a		NBN*
	Pinalitus cervinus	n/a	c	WT
	Pinalitus viscidola	n/a		NBN*
	Pithanus maerkeli	n/a	c	m
	Plagiognathus arbustorum	n/a		NBN*
	Stenodema laevigata	n/a	c	m
	Stenodema calcarata	n/a		NBN*
	Stenotus binotatus	Timothy Grassbug		NBN*
Naucoridae	Ilyocoris cimicoides	Saucer bugs	L	NBN
Reduviidae	Empicoris vagabundus	n/a		NBN*
Tingidae	Acalypta parvula	n/a	c	WT
	Agramma laetum	n/a	L	WT
Veliidae	Velia caprai	Water Cricket		NBN*

Suborder - Auchenorrhyncha

Cercopidae			
	Cercopis vulnerata	Red-and-black Froghopper	ID
Aphrophoridae			
	Philaenus spumarius	Common Froghopper	ID
	Aphrophora ulni	n/a	m
Cixiidae			
	Cixius nervosus	Lacehopper sp	ID
	Cixius cunicularius	n/a	NBN*
	Tachycixius pilosus	n/a	m
Delphacidae			
	Dicranotropis hamata	n/a	NBN*
	Ditropis pteridis	n/a	NBN*
	Muellerianella fairmairei	n/a	NBN*
Membracidae			
	Centrotus cornutus	Horned Treehopper	ID
Cicadellidae			
	Agallia consobrina	n/a	NBN*
	Alnetoidea alneti	n/a	NBN*
	Anoscopus flavostriatus	n/a	NBN*
	Aphrodes makarovi	n/a	NBN*
	Cicadella viridis	n/a	ID
	Eupterycyba jucunda	n/a	NBN*
	Eupteryx aurata	n/a	NBN*
	Eupteryx urticae	n/a	NBN*
	Euscelis incisus	n/a	NBN*
	Evacanthus interruptus	n/a	m
	Iassio lanio	Oak Leafhopper	ID
	Kybos smaragdulus	n/a	NBN*
	Ledra aurita	Eared Leafhopper	ID
	Megophthalmus scanicus	n/a	NBN*
	Oncopsis flavicollis	n/a	NBN*
	Thamnotettix dilutior	n/a	ID
Issidae			
	Issus coleoptratus	n/a	NBN*
Suborder Sternorrhyncha			
Aleyrodidae			
	Aleyrodes proletella	Hazel Whitefly	ID
Aphididae			
	Microlophium carnosum	Common Nettle Aphid	ID
	Aphis fabae prob.	Black bean aphid	ID
Psyllidae			
	Arytainilla spartiophila	n/a	NBN
	Cacopsylla visci	n/a	NBN
	Psyllopsis fraxinicola	n/a	NBN

3.4 Checklist of Order Coleoptera – Beetles

Last update Aug'22

Source Codes:

WT	Woodland Trust commissioned Survey by
NBN	National Biodiversity Network (or Atlas)
KAS	Keith Alexandra Survey report for Buglife 2022
ID	Ian Draycott (own records) either verified through iRecord or pending (italics).
iRecord	Records in iRecord (other than I Draycott)
M	Multiple sources i.e. >2
HBRC	Herefordshire Biological Records Centre data (and not in NBN)

Status Codes:

NR-RDB1	Nationally Rare – Endangered. <5 hectads
NR-RDB2	Nationally Rare – Vulnerable. 6-10 hectads
NR-RDB3	Nationally Rare – Threatened. 11-15 hectads
Na	Nationally Scarce or Notable – 16-30 hectads
Nb	Nationally Scarce or Notable – 31-100 hectads
L	Local – 101-300 hectads

Family	Species	SO51 only	Source	Nat. Status pre-1970
Aderidae	Euglenes oculatus	1	KAS	Nb
Anthicidae	Omonadus floralis		NBN	
Anobiidae	Anobium punctatum		KAS	
	Dorcatoma dresdensis		KAS	
	Dorcatoma substriata		KAS	
	Ptinus subpilosus	1	NBN	1
	Ptilinus pectinicornis		WT,KAS	L
	Grynobius planus		WT, KAS	
Anthribidae	Anthribus fasciatus	1	NBN	1
	Platyrhinus resinosus		KAS, ID	Nb
Aphodiidae	Aphodius (Limarus) zenkeri	1	NBN	1
	Aphodius (Planolinus) fasciatus	1	NBN	1
	Aphodius (Bodilus) ictericus	1	NBN	1
	Aphodius (Chilothorax) conspurcatus	1	NBN	1
	Aphodius fossor		iRecord	
	Aphodius rufipes		iRecord	
Apionidae	Aspidapion (Aspidapion) radiolus	1	NBN	
	Perapion (Perapion) hydrolapathi	1	NBN	
	Betulapion simile		WT	
	Protapion fulvipes		WT	
Attelabidae	Attelabus nitens	1	NBN	1
Biphyllidae	Diplocoelus fagi		KAS	Nb
Buprestidae	Agrilus angustulus		Jewel Beetle M	
	Agrilus biguttatus		WT	Na
	Agrilus sinuatus		KAS	
Cantharidae	Malthinus balteatus		NBN, KAS	
18	Malthodes minimus		M	
	Malthodes flavoguttatus	1	NBN	1
	Malthodes marginatus		NBN, KAS	
	Malthodes mysticus		M	
	Malthinus flaveolus		NBN KAS	
	Malthodes fibulatus		WT	Nb
	Malthodes pumilus		WT	Nb
	Cantharis rustica		M	
	Cantharis fusca		M	
	Cantharis pellucida	1	NBN	1
	Cantharis decipiens		M	
	Cantharis livida	1	NBN	1

	<i>Cantharis lateralis</i>		1	NBN		1
	<i>Rhagonycha fulva</i>	Common Red Soldier Beetle		M		
	<i>Rhagonycha lignosa</i>			M		
	<i>Rhagonycha translucida</i>		1	NBN		1
	<i>Rhagonycha limbata</i>			M		
Carabidae	<i>Cicindela campestris</i>	Green Tiger Beetle		M		
26	<i>Badister bullatus</i>			M		
	<i>Badister sodalis</i>		1	NBN		1
	<i>Platynus assimilis</i>		1	NBN		
	<i>Agonum scitulum</i>		1	NBN		?
	<i>Carabus arvensis</i>		1	NBN		1
	<i>Carabus monilis</i>		1	HBRC		1
	<i>Carabus violaceus</i>	Violet Ground Beetle		ID		
	<i>Calosoma inquisitor</i>		1	NBN		1
	<i>Calodromius spilotus</i>			KAS		
	<i>Abax parallelepipedus</i>			M		
	<i>Synuchus vivalis</i>		1	NBN		1
	<i>Bembidion varium</i>			WT		
	<i>Dromius agilis</i>			WT		
	<i>Dromius quadrimaculatus</i>			WT, KAS		
	<i>Notiophilus biguttatus</i>			WT		
	<i>Notiophilus palustris</i>			ID		1
	<i>Syntomus foveatus</i>			WT		
	<i>Macronychus quadrituberculatus</i>		1	HBRC		
	<i>Blemus discus</i>			HBRC	Nb	1
	<i>Pterostichus oblongopunctatus</i>			HBRC/NBN	Nb	1
	<i>Pterostichus nigrita ag</i>			ID		
	<i>Pterostichus madidus</i>			ID, KAS		
	<i>Poecilus cupreus</i>	Copper Greenclock		ID		
	<i>Amara aenea</i>			ID		
	<i>Abax parallelepipedus</i>			ID		
	<i>Cychrus caraboides</i>			ID		
Cerambycidae	<i>Alosterna tabacicolor</i>	Tobacco-coloured Longhorn		M		
27	<i>Anagyptus mysticus</i>	Rufous-shouldered Longhorn		M	Nb	
	<i>Anoplodera sexguttata</i>		1	NBN		1
	<i>Arhopalus rusticus</i>	Dusky Longhorn		ID		
	<i>Aromia moschata</i>		1	NBN		1
	<i>Clytus arietis</i>	Wasp Beetle		M		
	<i>Grammoptera ruficornis</i>	Common Grammoptera		M		
	<i>Leiopus nebulosus</i>			M		
	<i>Leptura quadrifasciata</i>	Four-banded Longhorn		NBN		1
	<i>Lepturobosca virens</i>		1	NBN		1
	<i>Mesosa nebulosa</i>			M	NR-RDB3	
	<i>Molorchus minor</i>	Spruce Shortwing		ID		
	<i>Pachytodes cerambyciformis</i>	Speckled Longhorn		M		
	<i>Phytoecia cylindrica</i>	Umbelifer Longhorn	1	NBN		1
	<i>Phymatodes testaceus</i>	Tanbark Borer		ID		
	<i>Pogonocherus hispidus</i>	Greater Thorn-tipped Longhorn		M		
	<i>Prionus coriarius</i>	Tanner Beetle		NBN		1
	<i>Pyrrhidium sanguineum</i>	Welsh Oak Longhorn		M	Na/RDB2	
	<i>Rhagium bifasciatum</i>	Two-banded Longhorn		M		
	<i>Rhagium mordax</i>	Black-spotted Longhorn		M		
	<i>Ruptella maculata</i>	Black and Yellow Longhorn		M		
	<i>Saperda carcharias</i>	Large Poplar Borer	1	NBN		1
	<i>Saperda populnea</i>	Small Poplar Borer	1	NBN		1
	<i>Stenocorus meridianus</i>	Variable Longhorn		M		
	<i>Stenurella melanura</i>	Black-striped Longhorn		M		
	<i>Tetropium gabrieli</i>		1	NBN		1
	<i>Tetrops praeusta</i>	Plum Longhorn		WT		
Cerylonidae	<i>Cerylon fagi</i>		1	NBN		
	<i>Cerylon ferrugineum</i>			M		
	<i>Cerylon histeroideus</i>			KAS		
Cetoniidae	<i>Trichius fasciatus</i>		1	NBN		
	<i>Cetonia aurata</i>		1	NBN		
Ciidae	<i>Cis bilamellatus</i>			WT, KAS		
	<i>Cis boleti</i>			WT, KAS		

	<i>Cis castaneus</i>			KAS	
	<i>Cis fagi</i>			KAS	
	<i>Cis nitidus</i>			WT	L
	<i>Octotemnus glabriculus</i>			WT	
Cleridae	<i>Tillus elongatus</i>			WT, KAS	Nb
Chrysomelidae 28	<i>Apteropeda orbiculata</i>			WT	L
	<i>Chrysolina polita</i>			NBN	
	<i>Chrysolina americana</i>	Rosemary Beetle		ID	
	<i>Chrysolina herbacea</i>	Mint Leaf Beetle		M	
	<i>Chrysolina brunsvicensis</i>			NBN	1
	<i>Chrysolina varians</i>			WT	
	<i>Chaetocnema hortensis</i>			WT	
	<i>Cryptocephalus moraei</i>			M	
	<i>Cryptocephalus labiatus</i>			WT	
	<i>Cryptocephalus oreoles ag</i>			ID	
	<i>Crepidodera plutus</i>			iRecord	
	<i>Clytra quadripunctata</i>			WT	Nb
	<i>Epitrix atropae</i>			M	Nb
	<i>Gastrophysa viridula</i>	Green Dock Beetle		NBN	
	<i>Mniophila muscorum</i>		1	NBN	1
	<i>Pyrrhalta viburni</i>		1	NBN	1
	<i>Phratora vulgatissima</i>			iRecord	
	<i>Phyllotreta consobrina</i>			WT	
	<i>Phyllotreta ochripes</i>			WT	
	<i>Phyllotreta nigripes</i>			WT	
	<i>Phyllotreta undulata</i>			WT	
	<i>Orsodacne lineola</i>			WT	Nb
	<i>Oomorplus concolor</i>			NBN	
	<i>Ouelema melanopus or rufocyanea</i>	Cereal Leaf Beetle		ID	
	<i>Longitarsus membranaceus</i>		1	NBN	
	<i>Hermaeophaga mercurialis</i>			M	L
	<i>Lilioceris lili</i>	Lily Beetle		iRecord	
	<i>Sermylassa halensis</i>			ID	
Coccinellidae 19	<i>Adalia bipunctata</i>	2-spot Ladybird		M	
	<i>Adalia decempunctata</i>	10-spot Ladybird		M	
	<i>Anatis ocellata</i>	Eyed Ladybird	1	NBN	1
	<i>Aphidecta oblitterata</i>			M	
	<i>Calvia quattuordecimguttata</i>	Cream-spot Ladybird		M	
	<i>Chilocorus renipustulatus</i>	Kidney-spot Ladybird		M	
	<i>Coccidula rufa</i>		1	NBN	
	<i>Coccinella hieroglyphica</i>	Hieroglyphic Ladybird	1	NBN	
	<i>Coccinella septempunctata</i>	7-spot Ladybird		M	
	<i>Coccinella undecimpunctata</i>	11-spot Ladybird	1	NBN	?
	<i>Exochomus quadripustulatus</i>	Pine Ladybird		M	
	<i>Halyzia sedecimguttata</i>	Orange Ladybird		M	L
	<i>Harmonia axyridis</i>	Harlequin Ladybird		M	
	<i>Nephus redtenbacheri</i>		1	NBN	1
	<i>Propylea quattuordecimpunctata</i>	14-spot Ladybird		M	
	<i>Psyllobora vigintiduopunctata</i>			M	
	<i>Rhyzobius litura</i>			NBN	
	<i>Subcoccinella vigintiquattuor punctata</i>	24-spot Ladybird		NBN	
	<i>Tytthaspis sedecimpunctata</i>	16-spot Ladybird		M	
Cryptophagidae	<i>Anthophagus pallens</i>			WT	
	<i>Atomaria rubida</i>		1	NBN	
	<i>Atomaria fuscata</i>			NBN	
	<i>Atomaria linearis</i>		1	NBN	1
	<i>Atomaria lewisi</i>		1	NBN	1
	<i>Paramecosoma melanocephalum</i>		1	NBN	1
	<i>Cryptophagus angustus</i>		1	NBN	1
	<i>Cryptophagus dentatus</i>			KAS	
	<i>Cryptophagus scanicus</i>			KAS	
Cucujidae	<i>Pediacus dermestoides</i>		1	NBN, KAS	

Curculionidae 66	Acalles misellus	Weevils		M		
	Acalles ptinoides		1	NBN		1
	Acalles roboris			WT	Nb	
	Acrantus vittatus			WT	L	
	Anthonomus ulmi		1	NBN		1
	Anthonomus bituberculatus			WT		
	Anthonomus pedicularius			WT		
	Anthonomus rubi			WT		
	Archarias pyrrhoceras			WT		
	Bagous tempestivus			HBRC	Nb	1
	Barypeithes pellucidus			WT		
	Brachysomus hirtus			WT		NR-RDB3
	Ceutorhynchus atomus			WT		Na
	Ceutorhynchus assimilis			WT		
	Ceutorhynchus cochleariae			WT		L
	Ceutorhynchus typhae			WT		
	Cionus hortulanus			WT		
	Cionus scrophulariae			WT		
	Cleopus pulchellus			WT		
	Caenopsis waltoni		1	NBN		1
	Coelositona cambricus		1	NBN		1
	Curculio venosus			M		
	Curculio glandium		1	NBN		1
	Dorytomus rufatus		1	NBN		
	Euophryum confine			WT, KAS		
	Ellescus bipunctatus		1	NBN		1
	Gymnetron melanarium		1	NBN		L 1
	Gymnetron veronicae		1	NBN		1
	Hypera nigrirostris			WT/ID		
	Hypera plantaginis			WT		
	Hylastinus obscurus		1	NBN		1
	Isochnus foliorum			HBRC	Na	
	Ips typographus			WT		
	Ips sexdentatus		1	NBN		1
	Leiosoma deflexum			WT		
	Liophloeus tessulatus			ID		
	Magdalis barbicornis		1	NBN		1
	Nedyus quadrimaculatus			WT		
	Neliocarus nebulosus		1	NBN		1
	Orchestes fagi			M		
	Orchestes pilosus		1	NBN		1
	Orchestes signifer		1	NBN		1
	Orchestes quercus			WT		
	Orchestes rusci			WT		
	Orobites cyaneus			M		L
	Orthotomicus erosus		1	NBN		1
	Otiorhynchus singularis			M		
	Pelenomus quadrituberculatus		1	NBN		1
	Phloeophagus gracilis		1	NBN		1
	Phyllobius argentatus			KAS		
Phyllobius glaucus			WT			
Phyllobius pomaceus			M			
Polydrusus mollis		1	NBN		1	
Polydrusus cervinus			WT			
Polydrusus pterygomalis			WT			
Ramphus oxyacanthae			WT			
Rhinoncus pericarpus			WT			
Sitona macularius		1	NBN		1	
Sitona lineatus			M			
Sitona sulcifrons			iRecord			
Sciaphilus asperatus			WT		L	
Scolytus scolytus			WT			
Strophosoma melanogrammum			WT			
Trachodes hispidus		1	NBN		1	
Trypodendron domesticum		1	NBN		L 1	
Trypodendron signatum		1	NBN		L 1	
Dasytidae	Dasytes aeratus			M		
Dermestidae	Anthrenus verbasci			ID		
	Attagenus pello			ID		

	Ctesias serra			KAS	Nb
	Megatoma undata			KAS	Nb
Dytiscidae	Agabus bipustulatus		1	NBN	1
	Hydroporus planus		1	NBN	1
	Nebrioporus elegans			NBN	
	Oreodytes sanmarkii		1	NBN	1
	Oreodytes septentrionalis		1	NBN	
	Stictotarsus duodecimpustulatus			NBN	
	Acilius sulcatus			ID	
Elateridae	Ampedus cinnabarinus	Click Beetles	1	NBN	1
	Ampedus pomorum		1	NBN	1
	Anostirus castaneus		1	NBN	1
	Agriotes obscurus			WT	
	Agriotes pallidulus			WT, KAS	
	Agriotes sputator			WT	
	Athous haemorrhoidalis			M	
	Athous bicolor			ID	
	Calambus bipustulatus		1	NBN	1
	Ctenicera pectinicornis		1	NBN	1
	Dalopius marginatus			WT	
	Denticollis linearis			M	
	Melanotus castanipes			KAS	
	Melanotus villosus			WT	
	Paraphotistus nigricornis		1	NBN	1
	Prosternon tessellatum		1	NBN	1
	Selatosomus incanus			WT	
	Stenagostus rhombeus			iRecord, ID	
Elmidae	Limnius volckmari			NBN	
	Oulimnius tuberculatus			NBN	
	Riolus cupreus		1	NBN	
	Normandia nitens			NBN	
	Macronychus quadrituberculatus			M	
	Normandia nitens			NBN	
Erotylidae	Triplax aenea			M	L
	Dacne ruffifrons			KAS	
Eucnemidae	Melasis buprestoides		1	NBN	1
	Eucnemis capucina			KAS	NR- RDB3
	Microrhagus pygmaeus			KAS	Nb
Geotrupidae	Geotrupes mutator	Violet Dor Beetle	1	NBN	1
	Geotrupes stercorosus	Dor Beetle		WT	
	Anoplotrupes stercorosus	Woodland Dor Beetle		ID	
	Typhaeus tyhoeus	Minotaur Beetle		ID	
Gyrinidae	Orectochilus villosus		1	NBN	
	Gyrinus substriatus			ID	
Haliplidae	Haliplus lineatocollis		1	NBN	
Histeridae	Paromalus flavicornis			iRec	
	Gnathoncus buyssoni			KAS	Nb
	Gnathoncus nannetensis			KAS	
	Paromalus flavicornis			KAS	
	Plegaderus dissectus			KAS	
Hydraenidae	Hydraena gracilis		1	NBN	
Hydrophilidae	Helophorus brevipalpis		1	NBN	
	Cercyon melanocephalus			NBN	
	Cryptopleurum minutum			NBN	
Lampyridae	Lampyris noctiluca	Glow-worm		M	
Lathridiidae	Aridius bifasciatus			WT	
	Aridius nodifer			WT	
	Cartodere nodifer			KAS	

	<i>Dienerella elongata</i>		WT	L
	<i>Enicmus brevicornis</i>		KAS	Nb
	<i>Enicmus rugosus</i>		KAS	Nb
	<i>Enicmus testaceus</i>		KAS	
	<i>Latridius minutus</i>		KAS	
Leiodidae	<i>Anisotoma orbicularis</i>	1	NBN	1
	<i>Anisotoma humeralis</i>		WT, KAS	
	<i>Agathidium atrum</i>	1	NBN	1
	<i>Agathidium nigripenne</i>	1	NBN	1
	<i>Agathidium seminulum</i>	1	NBN	1
	<i>Amphicyllis globus</i>		M	
	<i>Colon zebei</i>	1	NBN	
	<i>Leiodes cinnamomea</i>		KAS	Nb
Lucanidae	<i>Dorcus parallelipedus</i>	Lesser Stag Beetle	M	
	<i>Sinodendron cylindricum</i>	Rhinoceros Beetle	WT, KAS	
Lycidae	<i>Erotides cosnardi</i>		NBN, KAS	NR-RDBI
Malachiidae	<i>Malachius bipustulatus</i>		M	
Melandryidae	<i>Orchesia undulata</i>		M	
Meloidae	<i>Meloe rugosus</i>	Rugged Oil Beetle	NBN	Nb
Monotomidae	<i>Rhizophagus nitidulus</i>	1	NBN	
	<i>Rhizophagus cribratus</i>	1	NBN	1
	<i>Rhizophagus bipustulatus</i>	1	NBN, KAS	
	<i>Rhizophagus parallelocollis</i>	1	NBN	1
	<i>Rhizophagus depressus</i>	1	NBN	1
	<i>Rhizophagus picipes</i>	1	NBN	1
Mordellidae	<i>Mordella holomelaena</i>	1	NBN	1
	<i>Mordellochroa abdominalis</i>		M	L
	<i>Mordellistena neuwaldeggiana</i>		KAS	Nb
Mycetophagidae	<i>Mycetophagus atomarius</i>		WT, KAS	L
	<i>Mycetophagus quadripustulatus</i>		WT, KAS	
	<i>Triphyllus bicolor</i>		KAS	Nb
Nitidulidae	<i>Brachypterus urticae</i>		WT	
	<i>Carpophilus sexpustulatus</i>	1	NBN	
	<i>Cryptarcha strigata</i>	1	NBN	1
	<i>Cychramus luteus</i>		WT	
	<i>Epuraea biguttata</i>	1	NBN	
	<i>Epuraea guttata</i>	1	NBN	1
	<i>Epuraea pallescens</i>		KAS	
	<i>Epuraea rufomarginata</i>	1	NBN	1
	<i>Epuraea silacea</i>		KAS	
	<i>Glischrochilus hortensis</i>		M	
	<i>Glischrochilus quadriguttatus</i>	1	NBN	
	<i>Meligethes atramentarius</i>	1	NBN	1
	<i>Meligethes kunzei</i>	1	NBN	1
	<i>Meligethes aeneus</i>		ID	
	<i>Pocadius ferrugineus</i>		KAS	
	<i>Soronia punctatissima</i>	1	NBN	1
Oedemeridae	<i>Oedemera nobilis</i>		M	
	<i>Oedemera femoralis</i>		ID, KAS	Nb
	<i>Oedemera lurida</i>		WT	
	<i>Ischnomera cyanea</i>		M, KAS	Nb
	<i>Ischnomera sanguinicollis</i>		KAS	Nb
Phloiophilidae	<i>Phloiophilus edwardsii</i>	1	NBN	1
Platypodidae	<i>Platypus cylindrus</i>	1	NBN	1
Ptiliidae	<i>Ptinella limbata</i>	1	NBN	1
Pyrochroidae	<i>Pyrochroa coccinea</i>		M	

	<i>Pyrochroa serraticornis</i>			M		
Rhynchitidae	<i>Involvulus cupreus</i>		1	NBN		1
	<i>Lasiorhynchites cavifrons</i>		1	NBN		1
	<i>Neocoenorrhinus minutus</i>		1	NBN		1
	<i>Neocoenorrhinus interpunctatus</i>		1	NBN		1
Rhizophagidae	<i>Rhizophagus dispar</i>			WT		
Ripiphoridae	<i>Metoecus paradoxus</i>		1	NBN		1
Salpingidae	<i>Salpingus planirostris</i>		1	NBN		
	<i>Salpingus ruficollis</i>			KAS		
	<i>Scaphisoma agaricinum</i>			KAS		
	<i>Vincenzellus ruficollis</i>		1	NBN		1
Scarabaeidae	<i>Aphodius ater</i>	Scarab Beetles		M		
	<i>Aphodius borealis</i>			WT	L	
	<i>Aphodius prodromus</i>			ID		
	<i>Aphodius sticticus</i>			WT	L	
	<i>Cetonia aurata</i>	Rose Chafer		M	L	
	<i>Melolontha melolontha</i>	Cockchafer		M		
	<i>Onthophagus coenobita</i>			M	L	
	<i>Onthophagus joannae</i>			M	L	
	<i>Onthophagus similis</i>			M	L	
	<i>Phyllopertha horticola</i>	Garden Chafer		M	L	
	<i>Serica brunnea</i>			ID		
	<i>Trichius fasciatus</i>	Bee Chafer		HBRC	Nb	1
Scirtidae	<i>Prionocyphon serricornis</i>			WT	Nb	
	<i>Hylesinus crenatus</i>			KAS		
	<i>Xyleborus monographus</i>			KAS		
Scraptiidae	<i>Anaspis frontalis</i>			WT		
	<i>Anaspis garneysi</i>			KAS		
	<i>Anaspis lurida</i>			KAS		
	<i>Anaspis maculata</i>			WT, KAS		
	<i>Anaspis pulicaria</i>			WT, KAS		
	<i>Anaspis regimbarti</i>			WT, KAS		
Scydmaenidae	<i>Cephennum gallicum</i>		1	NBN		1
	<i>Stenichnus bicolor</i>			KAS		
Sphindidae	<i>Aspidiphorus orbiculatus</i>			WT, KAS	L	
	<i>Sphindus dubius</i>			WT	Nb	
Silphidae	<i>Silpha atrata</i>	Black Snail Beetles		M		
	<i>Silpha obscura</i>		1	NBN		1
	<i>Dendroxena quadrimaculata</i>		1	NBN		1
	<i>Nicrophorus vespilloides</i>	Common Burying Beetle		M		
	<i>Nicrophorus investigator</i>			ID		
	<i>Nicrophorus humator</i>	Black Sexton Beetle		ID		
	<i>Necrodes littoralis</i>			ID		
Staphylinidae	<i>Atheta hypnorum</i>	Rove Beetles	1	NBN		
	<i>Atrecus affinis</i>			KAS		
52	<i>Bisnius puella</i>		1	NBN		1
	<i>Bledius subterraneus</i>		1	NBN		1
	<i>Bolitobius cingulatus</i>		1	NBN		1
	<i>Bryaxis curtisii</i>		1	NBN		1
	<i>Coryphium angusticolle</i>		1	NBN		1
	<i>Dasygrypeta velata</i>		1	NBN		1
	<i>Dropephylla gracilicornis</i>			KAS	Nb	
	<i>Euplectus mutator</i>			KAS	Nb	
	<i>Euplectus tholini</i>		1	NBN		1
	<i>Gyrohypnus atratus</i>			HBRC	Nb	1
	<i>Gabrius splendidulus</i>			iRecord		
	<i>Hapalareoa pygmaea</i>			KAS		
	<i>Hydrosmelecta longula</i>		1	NBN		1
	<i>Ischnopoda leucopus</i>		1	NBN		1
	<i>Lamprinodes saginatus</i>		1	NBN		1

	Lathrobium longulum	1	NBN		1
	Leptacinus formicetorum		WT	L	
	Lesteva sicula sl.		ID		
	Medon brunneus	1	NBN		1
	Metopsia gallica		WT		
	Mniusa incrassata	1	NBN		1
	Micropeplus staphylinoides		M		
	Neobisnius prolixus	1	NBN		1
	Ocypus bruniceps ag		ID		
	Ocypus olens	Devil's Coach Horse	M		
	Oxypoda soror	1	NBN		1
	Phloeostiba plana	1	NBN		1
	Phyllodrepa floralis	1	NBN		
	Philonthus politor		ID		
	Platydracus fulvipes	1	NBN		1
	Platydracus stercorarius		ID		
	Quedius boops		WT		
	Quedius cruentus		WT, KAS		
	Quedius mesomelinus		KAS	L	
	Quedius nigriceps		M		
	Quedius scitus	1	NBN		1
	Quedius truncicola		KAS	Nb	
	Silusa rubiginosa	1	NBN		1
	Scaphisoma agaricinum		WT	L	
	Sepedophilus testaceus		HBRC		
	Staphylinus olens		ID		
	Stenus brunnipis		WT		
	Stenus canaliculatus	1	NBN		
	Stenus guttula	1	NBN		1
	Stenus impressus		WT		
	Stenus nitidulus		WT		
	Tachinus humeralis		WT		
	Tachyporus hypnorum		WT		
	Tachyporus solutus		ID		
	Thamiaraea hospita	1	NBN		1
Tenebrionidae	Corticeus fraxini	1	NBN		1
	Gonodera luperus		KAS	Nb	
	Isomira murina		WT		
	Lagria hirta		ID		
	Pseudocistela ceramboides		ID, KAS	Nb	
	Prionychus ater		KAS		
Throscidae	Trixagus obtusus		WT		
Trogositidae	Thymalus limbatus	1	NBN		1
Zopheridae	Synchita variegata		KAS		
65 families	Species Total = 452		Site ref only SO51 = 151		Only pre 1970 = 122

3.5 - Checklist of Order Diptera – True Flies

status at September 2021 Recorder ref. Status

Nematophora Lower Diptera

Tipulidae (21-23 of 87)

Nephrotoma appendiculata	Spotted Cranefly	NBN	C
Nephrotoma flavipalpis	Tiger Cranefly	ID	C
Nephrotoma flavescens	Primrose Cranefly	ID	U
Nephrotoma quadrifaria	n/a	M	C
Tipula paludosa	Common Daddy-long-legs	ID	A
Tipula oleracea	n/a	ID	A
Tipula lunata	n/a	ID	C
Tipula fulvipennis	n/a	ID	C
Tipula flavolineata	n/a	ID	U
Tipula rufina	n/a	ID	C
Tipula pabulina / pruinosa	n/a	ID/PB	U
Tipula confusa	n/a	ID	C
Tipula maxima	Giant Cranefly	ID	U
Tipula submarmorata	n/a	ID	U
Tipula staegeri	n/a	ID	U
Tipula vernalis	n/a	ID	U
Tipula vittata	n/a	ID	C
Tipula lateralis	n/a	ID	C
Tipula pagana	n/a	ID	C
Ctenophora pectinicornis	n/a	ID	U

Note: Tipula couckeii, T. alpina reported in SO51 by NBN. Also Tanyptera atrata in 1944.

Cylindrotomidae (0-1 of 4)

Note: NBN reports Cylindrotoma distinctissima from England part of SO51

Pediciidae (1-2 of 20)

Ula mollissima	n/a	NBN	U
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Note: NBN reports Pedicia rivosa from England part of SO51.

Limoniidae (14-22 of 224)

Limonia nubeculosa	n/a	M	C
Epiphragma ocellare	n/a	ID	U
Austrolimnophila ochracea	n/a	ID	A
Elliopteroides alboscuteellatus	n/a	ID	U
Rhipidia maculata	n/a	ID	U
Molophilus sp	n/a	ID	C
Dicranomyia chorea	n/a	ID	C
Dicranophragma adjunctum	n/a	ID	U
Antocha vitripennis	n/a	ID	U
Dicranomyia modesta ag.	n/a	ID	U
Achyrolimonia decemmaculata	n/a	NBN	U
Rhypholophus bifurcates	n/a	NBN	U
Tasiocera murina	n/a	other 1	
Lonchoptera lutea	n/a	other 1	

Note: A further 8 species reported by NBN in SO51.

Biblionidae (4 of 18)

Biblio marci	St Marks fly	ID	C
Biblio johannis	n/a	ID	C
Biblio pomonae	n/a	ID	U
Dilophus febrilis	Feverfly	ID	U

Bolitophilidae (2 of 16)

Bolitophila saundersii	n/a	NBN	U
Bolitophila occlusal	n/a	NBN	U

Diadocidiidae	(2 of 3)			
Diadocidia ferruginosa		n/a	NBN	
Diadocidia spinosula		n/a	NBN	
Ditomyiidae	(1 of 3)			
Symmerus annulatus		fungus gnat	M	
Keroplastidae	(10-11 of 51)			
Macrocera angulata		fungus gnat sp.	ID	
Macrocera fasciata		n/a	NBN	
Macrocera stigmoides		n/a	NBN	
Macrocera vitatta		n/a	NBN/other 1	
Macrocera centralis		n/a	other 1	
Macrocera inversa		n/a	other 1	
Macrocera phalaerata		n/a	other 1	
Macrocera vittate		n/a	other 1	
Platyura marginata		n/a	M	A
Keroplastus testaceus		n/a	M	U

Note: Pyratula zonata also reported for SO51 by NBN

Mycetophilidae.	(45 of 500)			
Allodia lundstroemi		fungus gnat	NBN	
Allodia ornaticollis		n/a	NBN	
Anatella minuta		n/a	NBN	
Boletina sciarina		n/a	NBN	
Brevicornu griseicolle		n/a	NBN	
Cordyla crassicornis		n/a	NBN	
Cordyla fissa		n/a	NBN	
Cordyla insons		n/a	NBN	
Exechia bicincta		n/a	NBN	
Exechia cincta		n/a	NBN	
Exechia contaminate		n/a	NBN	
Exechia dizona		n/a	NBN	
Exechia dorsalis		n/a	NBN	
Exechia festiva		n/a	NBN	
Exechia fusca		n/a	NBN	
Exechiopsis intersecta		n/a	NBN	
Exechiopsis jenkinsoni		n/a	NBN	
Exechiopsis pollicata		n/a	NBN	
Exechiopsis subulate		n/a	NBN	
Mycetophila Britannica		n/a	NBN	
Mycetophila curviseta		n/a	NBN	
Mycetophila edwardsi		n/a	NBN	
Mycetophila fungorum		n/a	NBN	
Mycetophila hetschkoi		n/a	NBN	
Mycetophila ichneumonea		n/a	NBN	
Mycetophila marginata		n/a	NBN	
Mycetophila ocellus		n/a	NBN	
Mycetophila perpallida		n/a	NBN	
Mycetophila pumila		n/a	NBN	
Mycetophila ruficollis		n/a	NBN	
Mycetophila spectabilis		n/a	NBN	
Mycetophila trinotata		n/a	NBN	
Mycomya flavicollis		n/a	NBN	
Mycomya prominens		n/a	NBN	
Phronia biarcuata		n/a	NBN	
Phthinia winnertzi		n/a	NBN	
Pseudobrachypeza Helvetica		n/a	NBN	
Rymosia spinipes		n/a	NBN	
Sceptonia cryptocauda		n/a	NBN	
Stigmatomeria crassicornis		n/a	NBN	

	Synplasta gracilis	n/a	NBN	
	Zygomyia pictipennis	n/a	NBN	
	Zygomyia semifusca	n/a	NBN	
	Zygomyia valida	n/a	NBN	
	Zygomyia vara	n/a	NBN	
Sciaridae	(1 of 267)			
	Sciara hemerobiodes ag.	Black Fungus Gnat	ID	U
Cecidomyiidae.	(1-2 of 635)			
	Hartigiola annulipes	Hairy Beech Gall	ID	C
	Note: Jaapiella veronicae reported in SO51 England by NBN			
Psychodidae	(0-3 of 99)			
	Pericoma sp	n/a	ID	A
	Note: at least 2 other undetermined species			
Trichoceridae	(5 of 12)			
	Trichocera annulata	Winter Gnat	M	C
	Trichocera parva	n/a	ID	U
	Trichocera saltator	n/a	M	U
	Trichocera regelationis	n/a	M	U
	Trichocera major	n/a	M	U
Anisopodidae	(1-2 of 4)			
	Sylvicola fenestralis	Window Gnat	M	A
	Note: Sylvicola cinctus reported by NBN in SO51			
Ptychopteridae	(3-4 of 7)			
	Ptychoptera contaminata	A Fold-winged Crane-fly	ID	U
	Ptychoptera albimana	n/a	ID	U
	Ptychoptera lacustris	n/a	ID	U
	Note: Ptychoptera Longicauda reported in SO51 by NBN.			
Culicidae.				
	Culex pipiens	mosquito	ID	C
	Culiceta annulata	n/a	ID	C
	Dahlia geniculata	Tee-hole Mosquito	ID	C
Simuliidae				
	Simulium posticatum sl.	Blandford Bomber	ID	C
	Note: at least 1 other undetermined species			
Chironomidae.	(1 of 630)			
	Microtendipes pedellus	n/a	ID	U
Brachycera				
Xylophagidae	(0-1 of 3)			
	Xylophagus ater	Common Awl-fly	M	C
Rhagonidae	(5 of 15)			
	Chrysopilus asiliformis	Little Snipefly	M	
	Chrysophilus cristatus	Black Snipefly	ID	
	Rhagio scolopacea	Downlooker Snipefly	M	
	Rhagio tringarius	Marsh Snipefly	M	
	Rhagio annulatus	n/a	NBN	
Tabanidae	(7-8 of 30)			
	Haematopota pluvialis	Notch-horned Cleg	M	
	Haematopota crassicornis	n/a	NBN	
	Tabanus bromius	Band-eyed Brown Horsefly	M	A

	Tabanus sudeticus	Dark Giant Horsefly	ID	R
	Tabanus cordiger		NBN anon	
	Hybomitra distinguenda	Bright Horsefly	ID	C
	Chrysops caecutiens	Splayed Deerfly	ID	C
	Note: Chrysops viduatus reported by NBN for SO51			
Atheracidae	(0-2 of 3)			
	Note: Atherix ibis and Atricops crassipes reported by NBN from SO51			
Stratiomyidae	(7-8 of 48)			
	Chloromyia formosa	Broad Centurion	M	
	Sargus bipunctatus	Twin-spot Centurion	ID	
	Sargus iridatus	n/a	ID	
	Chorisops nagatomii	Bright Four-spined Centurion	ID	
	Chorisops tibialis	Dull Four-spined Centurion	ID	
	Beris chalybata (poss B. morrissii)	n/a	M	
	Pachygaster atra	n/a	ID	
	Microchrysa polita	n/a	ID	
	Note: Oxcyera pygmaea reported by NBN in SO51 England			
Bombyliidae	(4 of 10)			
	Bombylius major	Dark-edged Bee-fly	ID	
	Bombylius discolor	Dotted Bee-fly	ID	
	Bombylius canescens	Western Bee-fly	ID	
	Villa cingulata	Downland Villa	ID	
Therevidae	(0-3 of 14)			
	Note: NBN reports 3 species from SO51			
Asilidae	(3-4 of 29)			
	Machimus atricapillus	Kite-tailed Robberfly	M	
	Leptogaster cylindrica	Striped Slender Robberfly	M	
	Diorctria linearis	Small Yellow-legged Robberfly	M	
	Note: Dioctria oelandica reported by NBN in SO51 England			
Hybotidae	(18-21 of 182)			
	Hybos grossipes	n/a	ID	
	Hybos femorata	n/a	NBN	
	Hybos culiciformis	n/a	NBN	
	Bicellaria nigra	n/a	other 1	
	Ocydromia glabricula	n/a	NBN	
	Euthyneura gyllenhali	n/a	other 1	
	Leptozepe flavipes	n/a	other 1	
	Ocydromia glabricula	n/a	other 1	
	Oedalea holmgreni	n/a	other 1	
	Oedalea stigmatella	n/a	other 1	
	Oropezella sphenoptera	n/a	other 1	
	Platypalpus incertus	n/a	other 1	
	Platypalpus nigratarsis	n/a	other 1	
	Platypalpus major	n/a	other 1	
	Platypalpus pallidiventris	n/a	NBN	
	Platypalpus luteolus	n/a	NBN	
	Platypalpus subtilis	n/a	NBN	
	Trichinomyia flavipes	n/a	NBN	
	Note: Another 3 are reported by NBN in SO51			
Empididae	(7-18 of 208)			
	Empis tessellata	A Dance Fly	M	
	Empis stercorea	n/a	M	
	Empis lutea	n/a	ID	
	Empis nigratarsis	n/a	other 1	
	Empis livida	n/a	NBN	
	Phyllodromia melanocephala	n/a	other 1	

Rhamphomyia dentipes	n/a	other 1
Note: NBN reports a further 11 species in England part of SO51.		
Dolichopodidae (10-21 of 308)		
Xanthochlorus tenellus (tent).	Long-legged Fly sp	ID ? U
Microphor sp	n/a	ID ? U
Poecilobothrus nobilitatus	n/a	ID C
Neurigona pallida	n/a	M U
Neurigona quadrifasciata	n/a	M C
Rhaphium crassipes	n/a	M C
Campsicnemus curvipes	n/a	NBN
Xanthochlorus ornatus	n/a	NBN
Dolichopus unguates	n/a	NBN
Sybistroma obscurellum	n/a	NBN
Note: NBN reports an addition 11 species in SO51		
Platypezidae (2 of 34)		
Agathomyia sp	Flat-footed Fly sp	ID U
Platypeza consobrina sl	n/a	ID U
Phoridae (1 of 356)		
possible Megaselia sp	n/a	ID
Lonchopteridae (1-2 of 7)		
Lonchoptera bifurcate	n/a	ID
Note: NBN reports Lonchoptera lutea in SO51		
Syphidae (83 of 283)		
Baccha elongata	n/a	ID
Melanostoma mellinum	n/a	M
Melanostoma scalare	Chequered Hoverfly	M
Platycheirus albimanus ag	n/a	M
Platycheirus angustatus ag	n/a	ID
Platycheirus rosarum	n/a	ID
Platycheirus scutatus ag	n/a	ID
Paragus haemorrhous	n/a	ID
Syrphus ribesii	Common Hoverfly	ID
Syrphus torvus	Common Hoverfly	ID
Sphaerophoria interrupta ag	n/a	ID
Sphaerophoria scripta	Long Hoverfly	M
Meliscaeva auricollis	n/a	ID
Meliscaeva cinctella	n/a	ID
Melangyna umbellatarum	n/a	ID
Melangyna compositarum/labiatum	n/a	ID
Melanygna lasiophthalma	n/a	ID
Didea fasciata	n/a	ID
Chrysotoxum bicinctum	n/a	ID
Chrysotoxum festivum	Dark Wasp Hoverfly	ID
Chrysotoxum cautum	n/a	ID
Leucozona lucorum	n/a	M
Leucozona glauca	n/a	M
Epistrophe eligans	n/a	ID
Epistrophe nitidicollis	n/a	ID
Epistrophe grossulariae	n/a	ID
Episyrphus balteatus	Marmalade Hoverfly	M
Eupeodes luniger	n/a	ID
Eupeodes latifasciatus	n/a	ID
Eupeodes corollae	n/a	ID
Dasysyrphus albostrigatus	n/a	ID
Dasysyrphus venustus	n/a	other 1
Scaeva selentica	n/a	ID
Scaeva pyrastris	n/a	M
Parasyphus punctulatus	n/a	other 1

Xanthogramma citrofasciatum	n/a	ID	
Xanthogramma pedissequum	Ornate Hoverfly	ID	
Rhingia rostrata	(Heiniken Hoverfly)	ID	
Rhingia campestris	n/a	ID	
Ferdinandea cuprea	n/a	ID	
Cheilosia scutellata ag	n/a	ID	
Cheilosia pagana ag	n/a	ID	
Cheilosia variabilis	n/a	M	
Cheilosia vulpina	n/a	ID	
Cheilosia impressa	n/a	M	
Cheilosia illustrata	n/a	NBN	
Cheilosia albitarsus	n/a	NBN	
Portevinia maculata	Ramsons Hoverfly	M	
Chrysogaster solstitialis	n/a	ID	
Orthonerva nobilis	n/a	ID	
Melanogaster hirtella	n/a	ID	
Brachypoda scutellaris	n/a	ID	
Helophilus pendulus	Brindled Hoverfly	M	
Helophilus trivittatus	n/a	M	
Eristalis pertinax	Tapered Drone fly	ID	
Eristalis tenax	Dronefly	M	
Eristalis arbustorum	Dwarf Drone fly	ID	
Eristalis nemorum	n/a	ID	
Eristalis horticola	n/a	ID	
Eristalis intricarius	Dronefly sp	ID	
Myathropa florea	False Dronefly	ID	
Eumerus striganus ag	n/a	ID	
Merodon equestris	n/a	ID	
Pipiza noctiluca ag	n/a	ID	
Pipizella viduata sl	n/a	ID	
Sericomyia silentis	n/a	ID	
Arctophila superbiens	n/a	ID	
Volucella pellucens	Pellucid Hoverfly	M	
Volucella bombylans	Bumblebee Hoverfly	M	
Volucella inflata	n/a	M	
Volucella inanis	Lesser Hornet Hoverfly	ID	
Volucella zonaria	Hornet Hoverfly	ID	
Syritta pipiens	Thick-legged Hoverfly	M	
Criorhina berberina ssp oxyacanthi	n/a	ID	
Criorhina berberina typical form	n/a	ID	
Criorhina floccosa	n/a	ID	
Criorhina asilica	n/a	ID	
Chalcosyrphus nemorum	n/a	ID	
Brachypalpoides lentus	n/a	M	
Xylota jukatorum sl.	n/a	ID	
Xylota sylvarum	n/a	ID	
Xylota segnis	n/a	ID	
Sphegina clunipes	n/a	NBN	
Pipunculidae (1 of 99)			
Pipunculus sp	Big-headed Fly sp	ID	U
<i>Schizophora - Acalypratae</i>			
Micropezidae (0-2 of 10)			
Note: two species, Calobata petronella and Neria cibaria, are reported by NBN from the England part of SO51.			
Psilidae (1-3 of 27)			
Note: Three species, Psila fimetaria, Psila fimetaria, Chyliza leptogaster, are reported by NBN from the England part of SO51 and one unidentified species found by ID.			
Conopidae (5 of 25)			
Sicus ferrugineus	n/a	ID	C
Physocephala rufipes	n/a	ID	U

	Conops quadrifasciatus	n/a	ID	U
	Conops vesicularis	n/a	ID	U
	Myopa testacea	n/a	ID	U
	Myopa pellucida	n/a	ID	U
	Thecophora atra	n/a	ID	U
Lonchaeidae	(1)			
	Lonchaea sp	n/a	ID	
Pallopteridae	(4-5 of 13)			
	Paloptera muliebris	Looped Flutterfly	ID	C
	Paloptera quinquemaculata	Five-spotted Flutterfly	ID	C
	Paloptera ustulata ag.	Dark-tipped Flutterfly	ID	C
	Paloptera saltuum	Hogweed Flutterfly	ID	U
	Note: NBN reports one additional species, Paloptera modesta, in SO51			
Piophilidae	(1 of 14)			
	Neottiophilum praeustum	Nest Skipper	ID	R
Ulidiidae	(3-4 of 20)			
	Herina nigrina	Three-spot Wingwaver	ID	C
	Herina lugubris	Four-spot Wingwaver	ID	C
	Seioptera vibrans	n/a		
	Note: One species, Physiphora alceae, reported by NBN in England part of SO51			
Tephritidae	(11-12 of 77)			
	Anomoia purmunda	n/a	ID	
	Tephritis formosa	n/a	ID	
	Tephritis neesii	n/a	ID	
	Tephritis bardanae	n/a	ID	
	Terellia tussilaginis	n/a	ID	
	Trypeta zoe	n/a	ID	
	Urophora quadrifasciata	n/a	ID	
	Ragoletis alternata	n/a	ID	
	Chaetostomella cylindrica	n/a	ID	
	Euleia heraclei	Celery Fly	ID	
	Oxya parietina	n/a	NBN	
	Note: One species Urophora jaceana reported by NBN from England part of SO51			
Lauxaniidae	(9-13 of 56)			
	Peplomyza litura	n/a	M	
	Minettia inusta	n/a	M	
	Minettia longipennis	n/a	M	
	Meiosimyza platycephala	n/a	NBN	
	Sapromyza albiceps	n/a	NBN	
	Meiosimyza rorida	n/a	NBN	
	Tricholauxania praeusta	n/a	NBN	
	Minettia rivosia	n/a	NBN	
	Sapromyza basalis	n/a	NBN	
	Sapromyza halidayi	n/a	NBN	
	Sapromyza quadripunctata	n/a	ID	
	Note: the following 4 additional species are reported by NBN from the England part of SO51. Calliopum similimum, Pseudolyciella pallidiventris, Meiosimyza laeta.			
Dryomyzidae	(1 of 3)			
	Dryomyza anilis	n/a	M	
	Note: previously known as Neuroctena anilis			
Sciomyzidae	(9-12 of 72)			
	Pherbellia albocostata	n/a	M	
	Pherbellia cinerella	n/a	other 1	

	Pherbellia dubia	n/a	M	
	Pherbellia scutellaris	n/a	M	
	Trypetoptera punctulata	Picture-winged Snail-killer	ID	M
	Coremacera marginata	n/a	M	
	Dichetophora oblitterata	Chalk Snail-killer	ID	
	Limnia unguicornis	Stripe-backed Snail-killer	ID	
	Pelidnoptera fuscipennis	n/a	other 1	
	Note: NBN reports 3 additional species in the England part of SO51. They are Pherbellia annulipes, Renocera pallida and Tetanura pallidiventris. Includes all Phaeomyiidae.			
Sepsidae	(3 of 29)			
	Nemopoda nitidula	n/a	NBN	
	Sepsis fulgens	n/a	NBN	
	Sepsis punctum ag	Black scavenger fly	ID	
Clusiidae				
	Clusiodes albimanus	a Druid fly	M	
Agromyzidae	(2 of 420)			
	Phytomyza ranuncululi	n/a	ID	
	Agromyza lithospermi	n/a	ID	
Opomyzidae	(2-3 of 16)			
	Geomyza tripunctata	n/a	NBN	
	Opomyza florum	n/a	NBN	
	Note: NBN reported Opomyza germinationis in England part of SO51			
Chloropidae	(1 of 178)			
	Chlorops sp	n/a	ID	
Heleomyzidae	(1 of 56)			
	Suillia variegata sl.	n/a	ID	
	Tephrochlamys tarsalis	n/a	ID	
	Scoliocentra villosa	n/a	ID	
Drosophilidae	(4-5 of 65)			
	Drosophila andalusiaca	n/a	NBN	
	Drosophila subobscura	n/a	NBN	
	Drosophila fenestrarum	n/a	NBN	
	Scaptomyza pallida	n/a	NBN	
	Note: NBN reports Scaptomyza flava from SO51			
Campichoetidae	(1 of 2)			
	Campichoeta punctum	n/a	NBN	
Diastatidae	(1 of 6)			
	Diastata fuscula	n/a	ID	
Ephyhydridae	(1-3 of 151)			
	Hydrellia maura	n/a	NBN	
	Note: NBN reported Ditrichophora calceata and Parydra coarctata in England part of SO51			
<i>Schizophora - Calypterae</i>				
Scathophagidae	(2 of 55)			
	Scathophaga stercoraria ag.	Yellow Dung Fly	M	
	Cordilura pudica	n/a	ID	
Anthomyiidae	(9 of 246)			
	Pegomya hyoscyami	n/a	ID	
	Pegomya bicolor	n/a	ID	
	Anthomyia procellaris	n/a	ID	
	Anthomyia pluvialis	n/a	ID	

	Hylemya vegans	n/a	M
	Hylemya variata	n/a	ID
	Hylemya nigrimana	n/a	NBN
	Adia cinerella	n/a	ID
	Delia platura	n/a	ID
Fanniidae	(5 of 61)		
	Fannia coracina	n/a	NBN
	Fannia fuscua sl	n/a	ID
	Fannia canicularis	Lesser Housefly	ID
	Fannia mollissima	n/a	ID
	Fannia lustrator sl	n/a	ID
Muscidae	(26 of 293)		
	Musca domestica	Common Housefly	ID
	Musca autumnalis	Face Fly	ID
	Muscina prolapsa	n/a	ID
	Mesembrina meridiana	n/a	M
	Graphomya maculata	n/a	M
	Phaonia errans	n/a	ID
	Phaonia valida	n/a	ID
	Phaonia rufiventris	n/a	M
	Phaonia subventa	n/a	M
	Phaonia pallida	n/a	M
	Phaonia tugoriorum	n/a	ID
	Phaonia palpata	n/a	NBN
	Helina reversio	(n/a tentative)	ID
	Helina impuncta	n/a	M
	Helina evecta	n/a	NBN
	Thricops diaphanus	n/a	M
	Thricops semicinereus	n/a	ID
	Eudasyphora cyanella	n/a	ID
	Polietes lardarius	n/a	M
	Neomyia viridescens	n/a	ID
	Neomyia cornicina	n/a	ID
	Morellia simplex	n/a	ID
	Coenosia agromyzina	n/a	NBN
	Coenosia mollicula	n/a	NBN
	Hebecnema nigra	n/a	NBN
	Hydrotaea irritans	n/a	NBN
Calliphoridae	(8 of 30)		
	Calliphora vomitoria	Orange-bearded Bluebottle	ID
	Calliphora vicina	Common Bluebottle	ID
	Lucilia caesar ag.	Greenbottle	M
	Protocalliphora azurea	Bird Blowfly	ID
	Eurychaeta palpalis	False Fleshfly	ID
	Melinda viridicyanea	Dark-palped Melinda	ID
	Melinda gentilis	Pale-palped Melina	ID
	Bellardia vulgaris	Pale-veined Emerald-bottle	ID
Pollenidae	(4 of 8)		
	Pollenia pediculata	Tufted Clusterfly	ID
	Pollenia armentaria	Black-bellied Clusterfly	ID
	Pollenia griseotomentosa	Little Clusterfly	ID
	Pollenia rudis	Common Clusterfly	ID
Rhinophoridae	(1 of 8)		
	Paykullia maculata	Woodlouse Fly	ID
Sarcophagidae	(3 of 60)		
	Scathophaga carnaria ag.	Fleshfly	M
	Scathophaga stercoraria	n/a	NBN

Ravinia pernix	n/a	ID
Tachinidae (17 of 270)		
Tachina fera	Tachinid fly	ID
Tachina ursina	n/a	ID
Nemorilla floralis	n/a	ID
Nowickia ferox	n/a	ID
Eriothrix rufomaculata	n/a	ID
Lophosia fasciata	n/a	ID
Phasia hemiptera	n/a	M
Eurithia anthropila	n/a	ID
Epicampocera succinata	n/a	ID
Exorista larvarum	n/a	ID
Gymnochaeta viridis	n/a	ID
Hemyda vittata	n/a	ID
Phania fenestra sl	n/a	ID
Siphona geniculata	n/a	ID
Dexiosoma caninum	n/a	M
Chrysosomopsis auratus	n/a	ID
Winthemia quadripustulata	n/a	NBN

3.6 Order Lepidoptera – Butterflies and Moths

Checklist of Butterflies (Order Lepidoptera) of the Dward. April 2022.

		Local Status*
Pieridae		
Large White	<i>Pieris brassicae</i>	Common
Small White	<i>Pieris rapae</i>	Common
Green-veined White	<i>Pieris napi</i>	Common
Wood White	<i>Leptidea sinapis</i>	Present in small numbers. (last seen 2022)
Orange tip	<i>Anthocharis cardamines</i>	Common
Brimstone	<i>Gonepteryx rhamni</i>	Present in small numbers.
Clouded Yellow	<i>Colias croceus</i>	Occasional
Nymphalidae		
Peacock	<i>Inachis io</i>	Common
Small Tortoiseshell	<i>Aglais urticae</i>	Common
Red Admiral	<i>Vanessa atalanta</i>	Common
White Admiral	<i>Limentitis camilla</i>	Present in very small numbers. (last seen 2020)
Comma	<i>Polygonia c-album</i>	Common
Painted Lady	<i>Cynthia cardui</i>	Common visitor
Silver-washed Fritillary	<i>Argynnis paphia</i>	Common
Dark-green Fritillary	<i>Argynnis aglaja</i>	Occasional visitor
Satyridae		
Marbled White	<i>Melanargia galathea</i>	Common
Ringlet	<i>Aphantopus hyperantus</i>	Common
Gatekeeper	<i>Pyronia tithonus</i>	Common
Speckled Wood	<i>Pararge aegeria</i>	Common
Meadow Brown	<i>Manila jurtina</i>	Common
Lycaenidae		
Common Blue	<i>Polyommatus icarus</i>	Common
Holly Blue	<i>Celastrina argiolus</i>	Common
Brown Argus	<i>Aricia agestis</i>	Present in very small numbers. (Present 2023)
Small Copper	<i>Lycaena phlaeas</i>	Frequent
Purple Hairstreak	<i>Quercusia quercus</i>	Present in small numbers.
White-letter Hairstreak	<i>Satyrion w-album</i>	Present in small numbers. (Present 2023)
Hesperiidae		
Large Skipper	<i>Thymelicus sylvestris</i>	Common
Small Skipper	<i>Thymelicus flavus</i>	Common
Essex Skipper	<i>Thymelicus lineola</i>	Common
Dingy Skipper	<i>Erynnis tages</i>	Present in very small numbers. (Last seen 2022)
Grizzled Skipper	<i>Pyrgus malvae</i>	Frequent (late April – mid June)
31 species		

* Note on Local Status: The comment refers to status during the flight period (which may be short) and in suitable habitat.

Other Historical or uncertain records

Pearl-bordered Fritillary	<i>Boloria euphrosyne</i>	Formerly present. last report 2014. Could reappear.
Small Pearl-bordered Fritillary	<i>Boloria selene</i>	Past status unclear. Could reappear.
Wall Brown	<i>Lasiommata megera</i>	Past status unclear. Could reappear.
Green Hairstreak	<i>Callophrys rubi</i>	Past status unclear. Could reappear.
Small Heath	<i>Coenonympha pamphilus</i>	Past status unclear. Could reappear.
Grayling	<i>Hipparchia semele</i>	Past status unclear. Now rare inland.
Purple Emperor	<i>Apatura iris</i>	Last report 1976
High-brown Fritillary	<i>Argynnis adippe</i>	Last report 1976

Checklist of Moths. Last update August'22

The basis of this list is an extract from the county database held by the County Recorder, Peter Hall and provided in Jan.'21. Additionally, a few species (marked with an *) have been added to this list as they have been accepted by PH since that date or their identification is not in doubt. This list does not include records from Whitchurch.

Family	Code	Taxon	Vernacular	National Status
Micropteridae	1.001	Micropterix tunbergella	n/a	L
	1.003	Micropterix aureatella	n/a	L
	1.004	Micropterix aruncella	n/a	C
	1.005	Micropterix calthella	n/a	C
Eriocranidae	2.001	Dyseriocrania subpurpurella	n/a	C
	2.005	Eriocrania salopiella	n/a	L
	2.006	Eriocrania cicatricella	n/a	L
Hepalidae - Swifts	3.001	Triodia sylvina	Orange Swift	C
	3.002	Korscheltellus lupulina	Common Swift	C
	3.004	Phymatopus hecta	Gold Swift	C
	3.005	Hepialus humuli	Ghost Moth	C
Nepticulidae	4.002	Stigmella lapponica	n/a	C
	4.003	Stigmella confusella	n/a	C
	4.004	Stigmella tiliae	n/a	L
	4.011	Stigmella prunetorum	n/a	Nb
	4.013	Stigmella malella	Apple Pygmy	L
	4.014	Stigmella catharticella	n/a	L
	4.018	Stigmella ulmivora	n/a	L
	4.019	Stigmella viscerella	n/a	L
	4.026	Stigmella oxyacanthella	n/a	C
	4.031	Stigmella mespilicola	n/a	pRDB2
	4.034	Stigmella tityrella	n/a	C
	4.040	Stigmella assimilella	n/a	L
	4.042	Stigmella plagicolella	n/a	C
	4.045	Stigmella aurella	n/a	C
	4.056	Stigmella speciosa	n/a	C
	4.058	Stigmella basiguttella	n/a	C
	4.062	Stigmella samiatella	n/a	L
	4.065	Trifurcula cryptella	n/a	Na
	4.071	Bohemannia pulverosella	n/a	C
	4.075	Ectoedemia louisella	n/a	L
	4.079	Ectoedemia atrifrontella	n/a	Unkn
	4.089	Ectoedemia albifasciella	n/a	C
	4.095	Ectoedemia atricollis	n/a	C
	4.096	Ectoedemia arcuatella	n/a	Na
Opostegidae	5.004	Pseudopostega crepusculella	n/a	Nb
Heliozelidae	6.001	Antispila metallella	n/a	L
	6.002	Antispila petryi	n/a	L (A. treitschkeilla)
Adelidae	7.001	Nemophora degeerella	n/a	C
	7.002	Nemophora metallica	n/a	Nb
	7.006	Adela reaumurella	n/a	C
	7.008	Adela croesella	n/a	L
	7.009	Cauchas fibulella	n/a	C
	7.012	Nematopogon schwarziellus	n/a	C
	7.014	Nematopogon metaxella	n/a	L
	7.015	Nematopogon swammerdamella	n/a	C
Incurvariidae	8.001	Incurvaria pectinea	n/a	L
	8.002	Incurvaria mascullella	n/a	C
	8.004	Incurvaria praelatella	n/a	L
	8.005	Phylloporia bistrigella	n/a	L
Tischeriidae	10.001	Tischeria ekebladella	n/a	C
	10.002	Tischeria dodonaea	n/a	L
	10.003	Coptotriche marginea	n/a	C

	10.006	<i>Coptotriche angusticollella</i>	n/a	Nb (Emmetia a.)
Psychidae	11.004	<i>Dahlica inconspicuenta</i>	Lesser Lichen Case-bearer	Na
	11.006	<i>Taleporia tubulosa</i>	n/a	L
	11.010	<i>Bacotia claustrella</i>	n/a	pRDB3
	11.012	<i>Psyche casta</i>	n/a	C
Tineidae	12.010	<i>Morophaga choragella</i>	n/a	L
	12.012	<i>Triaxomera parasitella</i>	n/a	L
	12.016	<i>Nemapogon cloacella</i>	Cork Moth	C
	12.017	<i>Nemapogon koenigi</i>	n/a	Nb (N. wolfiella)
	12.019	<i>Nemapogon ruricolella</i>	n/a	Nb
	12.021	<i>Nemapogon clematella</i>	n/a	L
	12.027	<i>Tinea pellionella</i>	Case-bearing Clothes Moth	L
	12.032	<i>Tinea semifulvella</i>	n/a	C
	12.033	<i>Tinea trinotella</i>	n/a	C
	12.035	<i>Niditinea striolella</i>	n/a	Nb
	12.036	<i>Monopis laevigella</i>	Skin Moth	C
	12.037	<i>Monopis weaverella</i>	n/a	C
	12.038	<i>Monopis obviella</i>	n/a	L
	12.048	<i>Psychoides filicivora</i>	n/a	L
Roeslerstammiidae	13.002	<i>Roeslerstammia erxlebelli</i>	n/a	L
Bucculatricidae	14.002	<i>Bucculatrix nigricomella</i>	n/a	L
	14.006	<i>Bucculatrix frangutella</i>	n/a	L
	14.009	<i>Bucculatrix thoracella</i>	n/a	C
	14.010	<i>Bucculatrix ulmella</i>	n/a	C
	14.013	<i>Bucculatrix demaryella</i>	n/a	L
Gracillariidae	15.002	<i>Caloptilia cuculipennella</i>	n/a	Na
	15.003	<i>Caloptilia populetorum</i>	n/a	L
	15.005	<i>Caloptilia betulicola</i>	n/a	C
	15.006	<i>Caloptilia rufipennella</i>	n/a	C
	15.008	<i>Caloptilia alchimiella</i>	n/a	C
	15.009	<i>Caloptilia robustella</i>	n/a	C
	15.01	<i>Caloptilia stigmatella</i>	n/a	C
	15.012	<i>Caloptilia semifascia</i>	n/a	L
	15.014	<i>Gracillaria syringella</i>	n/a	C
	15.015	<i>Aspilapteryx tringipennella</i>	n/a	C
	15.016	<i>Euspilapteryx auroguttella</i>	n/a	C
	15.022	<i>Callisto denticulella</i>	n/a	C
	15.025	<i>Parornix betulae</i>	n/a	C
	15.026	<i>Parornix fagivora</i>	n/a	L
	15.028	<i>Parornix anglicella</i>	n/a	C
	15.029	<i>Parornix devoniella</i>	n/a	C
	15.032	<i>Parornix finitimella</i>	n/a	C
	15.034	<i>Phyllonorycter harrisella</i>	n/a	C
	15.035	<i>Phyllonorycter roboris</i>	n/a	Nb
	15.036	<i>Phyllonorycter heegeriella</i>	n/a	C
	15.039	<i>Phyllonorycter quercifoliella</i>	n/a	C
	15.04	<i>Phyllonorycter messaniella</i>	n/a	C
	15.043	<i>Phyllonorycter oxyacanthae</i>	n/a	C
	15.045	<i>Phyllonorycter mespilella</i>	n/a	Nb
	15.047	<i>Phyllonorycter hostis</i>	n/a	L
	15.049	<i>Phyllonorycter spinicolella</i>	n/a	C
	15.051	<i>Phyllonorycter lantanella</i>	n/a	L
	15.052	<i>Phyllonorycter corylifoliella</i>	n/a	C
	15.058	<i>Phyllonorycter hilarella</i>	n/a	C
	15.059	<i>Phyllonorycter cavella</i>	n/a	L
	15.063	<i>Phyllonorycter maestingella</i>	n/a	C
	15.064	<i>Phyllonorycter coryli</i>	Nut Leaf Blister Moth	C
	15.073	<i>Phyllonorycter lautella</i>	n/a	L
	15.074	<i>Phyllonorycter schreberella</i>	n/a	C
	15.075	<i>Phyllonorycter ulmifoliella</i>	n/a	C
	15.076	<i>Phyllonorycter emberizaepenella</i>	n/a	L
	15.078	<i>Phyllonorycter tristrigella</i>	n/a	C
	15.08	<i>Phyllonorycter froelichiella</i>	n/a	C
	15.081	<i>Phyllonorycter nicellii</i>	n/a	C
	15.082	<i>Phyllonorycter klemannella</i>	n/a	C

	15.084	Phyllonorycter acerifoliella	n/a	C
	15.089	Cameraria ohridella	n/a	C
Yponomeutidae	15.092	Phyllocnistis unipunctella	n/a	C
	16.001	Yponomeuta evonymella	Bird-cherry Ermine	C
	16.002	Yponomeuta padella	Orchard Ermine	C
	16.005	Yponomeuta rorrella	Willow Ermine	L
	16.007	Yponomeuta plumbella	n/a	L
	16.01	Zelleria hepariella	n/a	L
	16.014	Pseudoswammerdamia combinella	n/a	C
	16.015	Swammerdamia caesiella	n/a	C
	16.017	Swammerdamia pyrella	n/a	C
	16.018	Swammerdamia compunctella	n/a	Na
	16.02	Paraswammerdamia nebulella	n/a	C
	16.021	Cedestis gysselella	n/a	L
	16.022	Cedestis subfasciella	n/a	L
	16.024	Ocnerostoma friesei	n/a	L
Ypsolophidae	17.001	Ypsolopha mucronella	n/a	L
	17.002	Ypsolopha nemorella	n/a	L
	17.003	Ypsolopha dentella	Honeysuckle Moth	C
	17.005	Ypsolopha scabrella	n/a	C
	17.01	Ypsolopha parenthesesella	n/a	C
	17.011	Ypsolopha ustella	n/a	C
	17.012	Ypsolopha sequella	n/a	C
Plutellidae	18.001	Plutella xylostella	Diamond-back Moth	M
	18.003	Plutella porrectella	n/a	C
	18.007	Eidophasia messingiella	n/a	L
Glyphipterigidae	19.002	Glyphipterix thrasonella	n/a	C
	19.003	Glyphipterix fuscoviridella	n/a	C
	19.006	Glyphipterix forsterella	n/a	L
	19.007	Glyphipterix simplicella	Cocksfoot Moth	C
	19.009	Digitivalva perlepidella	n/a	Na
	19.014	Acrolepia autumnitella	n/a	C
Argyresthiidae	20.001	Argyresthia laevigatella	n/a	L
	20.004	Argyresthia arceuthina	n/a	Nb
	20.01	Argyresthia ivella	n/a	Nb
	20.011	Argyresthia brockeella	n/a	C
	20.012	Argyresthia goedartella	n/a	C
	20.013	Argyresthia pygmaeella	n/a	C
	20.014	Argyresthia sorbiella	n/a	L
	20.016	Argyresthia retinella	n/a	C
	20.018	Argyresthia spinosella	n/a	C
	20.019	Argyresthia conjugella	Apple Fruit Moth	C
	20.020	Argyresthia semifusca	n/a	C
	20.022	Argyresthia bonnetella	n/a	C
	20.023	Argyresthia albistria	n/a	C
	20.024	Argyresthia semitestacella	n/a	L
Lyonetidae	21.001	Lyonetia clerkella	Apple Leaf Miner	C
	21.004	Leucoptera laburnella	Laburnum Leaf Miner	C
	21.008	Leucoptera malifoliella	Pear Leaf Blister Moth	C
Praydidae	22.002	Prays fraxinella	Ash Bud Moth	C
Autostichidae	27.001	Oegoconia quadripuncta	n/a	C
Oecophoridae	28.008	Metalampra italica	n/a	Mc
	28.009	Endrosis sarcitrella	White-shouldered House-moth	C
	28.010	Hofmannophila pseudospretella	Brown House-moth	C
	28.012	Borkhausenia fuscescens	n/a	C
	28.013	Crassa tinctella	n/a	Nb
	28.014	Crassa unitella	n/a	C (Batia)
	28.015	Batia lunaris	n/a	C
	28.019	Esperia sulphurella	n/a	C
	28.020	Dasycera oliviella	n/a	Na (Esperia)
	28.022	Alabonia geoffrella	n/a	C
	28.024	Tachystola acroxantha*	Ruddy Streak	L

Chimbachidae	29.001	<i>Diurnea fagella</i>	n/a	C
Lypusidae	30.002	<i>Agnoea subochreella</i>	n/a	L (Pseudatemelia)
	30.003	<i>Agnoea josephinae</i>	n/a	L
Peliopodidae	31.001	<i>Carcina quercana</i>	n/a	C
Depressariidae	32.001	<i>Semioscopis avellanella</i>	n/a	L
	32.002	<i>Semioscopis steinkellneriana</i>	n/a	L
	32.007	<i>Agonopterix ocellana</i>	n/a	C
	32.008	<i>Agonopterix liturosa</i>	n/a	L
	32.009	<i>Agonopterix purpurea</i>	n/a	L
	32.013	<i>Agonopterix carduella</i>	n/a	Nb
	32.015	<i>Agonopterix subpropinquella</i>	n/a	C
	32.017	<i>Agonopterix arenella</i>	n/a	C
	32.018	<i>Agonopterix heracliana</i>	n/a	C
	32.019	<i>Agonopterix ciliella</i>	n/a	C
	32.024	<i>Agonopterix assimilella</i>	n/a	L
	32.026	<i>Agonopterix kaekeritziana</i>	n/a	L
	32.029	<i>Agonopterix umbellana</i>	n/a	L
	32.031	<i>Agonopterix alstromeriana</i>	n/a	C
	32.032	<i>Agonopterix angelicella</i>	n/a	L
	32.038	<i>Depressaria badiella</i>	n/a	L
	32.042	<i>Depressaria pulcherrimella</i>	n/a	L
	32.044	<i>Depressaria douglasella</i>	n/a	Nb
	32.045	<i>Depressaria albipunctella</i>	n/a	Na
	32.05	<i>Telechrysis tripuncta</i>	n/a	Nb
Cosmopterigidae	34.001	<i>Pancalia leuwenhoekella</i>	n/a	L
	34.004	<i>Limnaecia phragmitella</i>	n/a	C
Gelechiidae	35.003	<i>Aproaerema larseniella</i>	n/a	L (Syncopacma)
	35.004	<i>Aproaerema taeniolaella</i>	n/a	L “
	35.011	<i>Anacampsis populella</i>	n/a	C
	35.012	<i>Anacampsis blattariella</i>	n/a	L
	35.017	<i>Neofaculta ericetella</i>	n/a	C
	35.018	<i>Hypatima rhomboidella</i>	n/a	C
	35.02	<i>Anarsia spartiella</i>	n/a	L
	35.025	<i>Dichomeris alacella</i>	n/a	Nb
	35.026	<i>Acompsia cinerella</i>	n/a	L
	35.027	<i>Acompsia schmidtiellus</i>	n/a	Nb
	35.028	<i>Brachmia blandella</i>	n/a	C
	35.031	<i>Helcystogramma rufescens</i>	n/a	C
	35.040	<i>Bryotropha terrella</i>	n/a	C
	35.046	<i>Bryotropha senectella</i>	n/a	L
	35.047	<i>Bryotropha affinis</i>	n/a	C
	35.058	<i>Metzneria metzneriella</i>	n/a	C
	35.060	<i>Apodia bifractella</i>	n/a	L
	35.065	<i>Monochroa cytisella</i>	n/a	L
	35.080	<i>Eulamprotes unicolorella</i>	n/a	Nb
	35.081	<i>Eulamprotes atrella</i>	n/a	L
	35.085	<i>Athrips mouffetella</i>	n/a	C
	35.093	<i>Mirificarma mulinella</i>	n/a	C
	35.107	<i>Psoricoptera gibbosella</i>	n/a	L
	35.109	<i>Scrobipalpa acuminatella</i>	n/a	C
	35.123	<i>Scrobipalpa costella</i>	n/a	C
	35.141	<i>Teleiodes vulgella</i>	n/a	C
	35.143	<i>Teleiodes luculella</i>	n/a	C
	35.145	<i>Teleiodes sequax</i>	n/a	L
	35.147	<i>Carpatolechia decorella</i>	n/a	Nb
	35.148	<i>Carpatolechia fugitivella</i>	n/a	L
	35.151	<i>Carpatolechia proximella</i>	n/a	C
	35.153	<i>Pseudotelphusa paripunctella</i>	n/a	Nb
	35.157	<i>Recurvaria leucatella</i>	n/a	L
	35.159	<i>Exoteleia dodecella</i>	n/a	L
	35.160	<i>Stenolechia gemmella</i>	n/a	L
	35.161	<i>Parachronistis albiceps</i>	n/a	L
Batrachedridae	36.001	<i>Batrachedra praeangusta</i>	n/a	C

Coleophoridae	37.006	<i>Coleophora gryphipennella</i>	n/a	C
	37.007	<i>Coleophora flavipennella</i>	n/a	C
	37.01	<i>Coleophora alnifoliae</i>	n/a	Nb
	37.011	<i>Coleophora badiipennella</i>	n/a	L
	37.012	<i>Coleophora limosipennella</i>	n/a	L
	37.015	<i>Coleophora serratella</i>	n/a	C
	37.022	<i>Coleophora luscinaepennella</i>	n/a	C
	37.028	<i>Coleophora juncicolella</i>	n/a	L
	37.032	<i>Coleophora albitarsella</i>	n/a	L
	37.044	<i>Coleophora discordella</i>	n/a	C
	37.046	<i>Coleophora deauratella</i>	n/a	L
	37.048	<i>Coleophora mayrella</i>	n/a	C
	37.049	<i>Coleophora anatipennella</i>	Pistol Case-bearer	L
	37.051	<i>Coleophora kuehnella</i>	n/a	L
	37.052	<i>Coleophora ibipennella</i>	n/a	L
	37.053	<i>Coleophora betulella</i>	n/a	L
	37.061	<i>Coleophora lixella</i>	n/a	Nb
	37.063	<i>Coleophora albicosta</i>	n/a	C
	37.066	<i>Coleophora laricella</i>	Larch Case-bearer	C
	37.069	<i>Coleophora caespitiella</i>	n/a	C
	37.072	<i>Coleophora otidipennella</i>	n/a	L
	37.073	<i>Coleophora alticolella</i>	n/a	C
	37.080	<i>Coleophora virgaureae</i>	n/a	Nb
	37.102	<i>Coleophora argentula</i>	n/a	C
	37.103	<i>Coleophora follicularis</i>	n/a	L
	37.106	<i>Coleophora paripennella</i>	n/a	L
Elachistidae	38.003	<i>Stephensia brunnichella</i>	n/a	Nb
	38.004	<i>Elachista argentella</i>	n/a	C
	38.005	<i>Elachista triatomea</i>	n/a	L
	38.008	<i>Elachista triseriatella</i>	n/a	Na
	38.012	<i>Elachista obliquella</i>	n/a	Nb
	38.015	<i>Elachista gangabella</i>	n/a	L
	38.017	<i>Elachista adscitella</i>	n/a	Nb
	38.022	<i>Elachista gleichenella</i>	n/a	L
	38.023	<i>Elachista biatomella</i>	n/a	Nb
	38.025	<i>Elachista atricomella</i>	n/a	C
	38.029	<i>Elachista luticomella</i>	n/a	L
	38.030	<i>Elachista albifrontella</i>	n/a	C
	38.033	<i>Elachista subnigrella</i>	n/a	Nb
	38.036	<i>Elachista humilis</i>	n/a	C
	38.037	<i>Elachista canapennella</i>	n/a	C
	38.038	<i>Elachista rufocinerea</i>	n/a	C
	38.041	<i>Elachista cinereopunctella</i>	n/a	Nb
Parametriotidae	39.001	<i>Blastodacna hellerella</i>	n/a	C
	39.002	<i>Blastodacna atra</i>	Apple Pith Moth	Nb
	39.003	<i>Spuleria flavicaput</i>	n/a	L
Momphidae	40.002	<i>Mompha ochraceella</i>	n/a	C
	40.004	<i>Mompha propinquella</i>	n/a	L
	40.005	<i>Mompha divisella</i>	n/a	Na
	40.008	<i>Mompha subbistrigella</i>	n/a	C
	40.011	<i>Mompha langiella</i>	n/a	L
	40.012	<i>Mompha miscella</i>	n/a	L
	40.015	<i>Mompha raschkiella</i>	n/a	C
Blastobasidae	41.002	<i>Blastobasis adustella</i>	n/a	C
	41.003	<i>Blastobasis lacticolella</i>	n/a	C
Scythridae	43.002	<i>Scythris grandipennis</i>	n/a	Nb
	43.004	<i>Scythris picaepennis</i>	n/a	Nb
Alucidae	44.001	<i>Alucita hexadactyla</i>	Many-plumed Moth	C
Pterophoridae	45.004	<i>Platyptilia gonodactyla</i>	Triangle Plume	C
	45.010	<i>Amblyptilia acanthadactyla</i>	Beautiful Plume	C
	45.011	<i>Amblyptilia punctidactyla</i>	Brindled Plume	L
	45.012	<i>Stenoptilia pterodactyla</i>	Brown Plume	C
	45.013	<i>Stenoptilia bipunctidactyla</i>	Twin-spot Plume	C

45.021	<i>Stenoptilia zophodactylus</i>	Dowdy Plume	L
45.023	<i>Marasmarcha lunaedactyla</i>	Crescent Plume	L
45.025	<i>Oxyptilus parvidactyla</i>	Small Plume	Nb
45.028	<i>Capperia britanniodactylus</i>	Wood Sage Plume	Nb
45.030	<i>Pterophorus pentadactyla</i>	White Plume	C
45.031	<i>Porritia galactodactyla</i>	Spotted-white Plume	Nb (Pterophorus)
45.033	<i>Merrifieldia leucodactyla</i>	Thyme Plume	L
45.034	<i>Merrifieldia baliodactylus</i>	Dingy White Plume	Nb
45.037	<i>Oidaematophorus lithodactyla</i>	Dusky Plume	L
45.038	<i>Hellinsia tephradactyla</i>	Plain Plume	Nb (Euleioptilus)
45.039	<i>Hellinsia carphodactyla</i>	Citron Plume	L (Euleioptilus)
45.041	<i>Hellinsia osteodactylus</i>	Small Goldenrod Plume	L
45.043	<i>Adaina microdactyla</i>	Hemp Agrimony Plume	C
45.044	<i>Emmelina monodactyla</i>	Common Plume	C
Schreckensteiniidae			
46.001	<i>Schreckensteinia festaliella</i>	n/a	C
Epermeniidae			
47.001	<i>Phaulernis fulviguttella</i>	n/a	C
47.005	<i>Epermenia chaerophyllella</i>	n/a	C
Choreutidae			
48.001	<i>Anthophila fabriciana</i>	Nettle-tap	C
48.007	<i>Choreutis pariana</i>	Apple Leaf Skeletonizer	L
Tortricidae			
49.001	<i>Olindia schumacherana</i>	n/a	L
49.002	<i>Isotrias rectifasciana</i>	n/a	L
49.004	<i>Ditula angustiorana</i>	Red-barred Tortrix	C
49.005	<i>Epagoge grotiana</i>	n/a	C
49.009	<i>Capua vulgana</i>	n/a	C
49.013	<i>Archips podana</i>	Large Fruit-tree Tortrix	C
49.015	<i>Archips xylosteana</i>	Variiegated Golden Tortrix	C
49.018	<i>Choristoneura hebenstreitella</i>	n/a	L
49.021	<i>Ptycholomoides aeriferana</i>	n/a	C
49.022	<i>Ptycholoma lecheana</i>	n/a	C
49.023	<i>Pandemis cinnamomeana</i>	n/a	C
49.024	<i>Pandemis corylana</i>	Chequered Fruit-tree Tortrix	C
49.025	<i>Pandemis cerasana</i>	Barred Fruit-tree Tortrix	C
49.026	<i>Pandemis heparana</i>	Dark Fruit-tree Tortrix	C
49.028	<i>Syndemis musculana</i>	n/a	C
49.031	<i>Zelotherses paleana</i>	Timothy Tortrix	C
49.038	<i>Clepsis consimilana</i>	n/a	C
49.039	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	C
49.040	<i>Lozotaeniodes formosana</i>	n/a	C
49.044	<i>Tortricodes alternella</i>	n/a	C
49.047	<i>Eana incanana</i>	n/a	L
49.049	<i>Cnephasia incertana</i>	Light Grey Tortrix	C
49.050	<i>Cnephasia stephensiana</i>	Grey Tortrix	C
49.051	<i>Cnephasia asseclana</i>	Flax Tortrix	C
49.058	<i>Spatalistis bifasciana</i>	n/a	L
49.059	<i>Tortrix viridana</i>	Green Oak Tortrix	C
49.060	<i>Aleimma loeflingiana</i>	n/a	C
49.062	<i>Acleris forsskaleana</i>	n/a	C
49.063	<i>Acleris bergmanniana</i>	n/a	C
49.066	<i>Acleris laterana</i>	n/a	C
49.067	<i>Acleris abietana</i>	n/a	Na
49.069	<i>Acleris sparsana</i>	n/a	C
49.070	<i>Acleris rhombana</i>	Rhomboid Tortrix	C
49.071	<i>Acleris emargana</i>	n/a	C
49.073	<i>Acleris schalleriana</i>	n/a	L
49.076	<i>Acleris cristana</i>	n/a	C
49.077	<i>Acleris variegana</i>	Garden Rose Tortrix	C
49.078	<i>Acleris aspersana</i>	n/a	C
49.079	<i>Acleris umbrana*</i>	n/a	Na
49.080	<i>Acleris hastiana</i>	n/a	C
49.082	<i>Acleris hyemana</i>	n/a	L
49.083	<i>Acleris ferrugana</i>	n/a	C
49.084	<i>Acleris notana</i>	n/a	C
49.085	<i>Acleris kochiella</i>	n/a	L
49.087	<i>Acleris literana</i>	n/a	L
49.090	<i>Eulia ministrana</i>	n/a	C
49.091	<i>Pseudargyrotoza conwagana</i>	n/a	C
49.095	<i>Phtheochroa rugosana</i>	n/a	C

49.096	<i>Hysterothra maculosana</i>	n/a	L
49.097	<i>Cochylimorpha straminea</i>	n/a	C
49.099	<i>Phalonidia gilvicomana</i>	n/a	L
49.109	<i>Agapeta hamana</i>	n/a	C
49.110	<i>Agapeta zoegana</i>	n/a	C
49.120	<i>Aethes smeathmanniana</i>	n/a	C
49.121	<i>Aethes tesserana</i>	n/a	L
49.124	<i>Aethes francillana</i>	n/a	L
49.127	<i>Aethes cnicana</i>	n/a	C
49.128	<i>Aethes rubigana</i>	n/a	C
49.129	<i>Cochylidia rupicola</i>	n/a	L
49.133	<i>Cochylis nana</i>	n/a	C
49.134	<i>Cochylis roseana</i>	n/a	L
49.137	<i>Cochylis dubitana</i>	n/a	C
49.144	<i>Eudemis profundana</i>	n/a	C
49.149	<i>Apotomis turbidana</i>	n/a	C
49.150	<i>Apotomis betuletana</i>	n/a	C
49.151	<i>Apotomis capreana</i>	n/a	L
49.154	<i>Orthotaenia undulana</i>	n/a	C
49.156	<i>Hedya nubiferana</i>	Marbled Orchard Tortrix	C
49.157	<i>Hedya pruniana</i>	Plum Tortrix	C
49.158	<i>Hedya ochroleucana</i>	n/a	C
49.161	<i>Celypha striana</i>	n/a	C
49.166	<i>Celypha lacunana</i>	n/a	C
49.180	<i>Piniphila bifasciana</i>	n/a	L
49.181	<i>Lobesia occidentis</i>	n/a	pRDB2
49.183	<i>Lobesia abscisana</i>	n/a	C
49.184	<i>Lobesia reliquana</i>	n/a	L
49.186	<i>Endothenia gentianaeanana</i>	n/a	C
49.187	<i>Endothenia oblongana</i>	n/a	L
49.188	<i>Endothenia marginana</i>	n/a	C
49.190	<i>Endothenia ustulana</i>	n/a	Nb
49.191	<i>Endothenia nigricostana</i>	n/a	L
49.193	<i>Endothenia quadrimaculana</i>	n/a	L
49.194	<i>Bactra lancealana</i>	n/a	C
49.199	<i>Eucosmomorpha albersana</i>	n/a	L
49.203	<i>Ancylis laetana</i>	n/a	L
49.204	<i>Ancylis obtusana</i>	n/a	Nb
49.206	<i>Ancylis upupana</i>	n/a	Nb
49.207	<i>Ancylis geminana</i>	n/a	L
49.209	<i>Ancylis diminutana</i>	n/a	L
49.211	<i>Ancylis myrtilana</i>	n/a	L
49.214	<i>Ancylis badiana</i>	n/a	C
49.215	<i>Ancylis achatana</i>	n/a	C
49.216	<i>Ancylis mitterbacheriana</i>	n/a	C
49.223	<i>Rhopobota naevana</i>	Holly Tortrix	C
49.224	<i>Spilonota ocellana</i>	Bud Moth	C
49.225	<i>Spilonota laticana</i>	n/a	L
49.230	<i>Epinotia trigonella</i>	n/a	C
49.231	<i>Epinotia brunnicana</i>	n/a	C
49.233	<i>Epinotia solandriana</i>	n/a	C
49.234	<i>Epinotia abbreviana</i>	n/a	C
49.237	<i>Epinotia signatana</i>	n/a	L
49.238	<i>Epinotia cruciana</i>	Willow Tortrix	L
49.240	<i>Epinotia immundana</i>	n/a	C
49.243	<i>Epinotia demarniana</i>	n/a	L
49.244	<i>Epinotia subocellana</i>	n/a	C
49.245	<i>Epinotia tetraquetra</i>	n/a	C
49.246	<i>Epinotia pygmaeana</i>	n/a	Nb
49.248	<i>Epinotia tenerana</i>	Nut Bud Moth	C
49.249	<i>Epinotia ramella</i>	n/a	C
49.251	<i>Epinotia rubiginosana</i>	n/a	L
49.252	<i>Epinotia tedella</i>	n/a	C
49.253	<i>Epinotia fraternana</i>	n/a	Nb
49.254	<i>Epinotia bilunana</i>	n/a	C
49.255	<i>Epinotia nisella</i>	n/a	C
49.257	<i>Zeiraphera griseana</i>	Larch Tortrix	L
49.260	<i>Zeiraphera isertana</i>	n/a	C
49.264	<i>Eucosma obumbratana</i>	n/a	L
49.265	<i>Eucosma cana</i>	n/a	C
49.266	<i>Eucosma hohenwartiana</i>	n/a	C

49.269	<i>Eucosma campoliliana</i>	n/a	C	
49.270	<i>Eucosma aemulana</i>	n/a	pRDB2	
49.276	<i>Eucosma aspidiscana</i>	n/a	Nb	
49.279	<i>Gypsonoma dealbana</i>	n/a	C	
49.280	<i>Gypsonoma oppressana</i>	n/a	Nb	
49.281	<i>Gypsonoma sociana</i>	n/a	C	
49.284	<i>Epiblema sticticana</i>	n/a	L	
49.285	<i>Epiblema scutulana</i>	n/a	C	
49.286	<i>Epiblema cirsiana</i>	n/a	C	
49.289	<i>Epiblema costipunctana</i>	n/a	C	
49.292	<i>Notocelia cynosbatella</i>	n/a	C	
49.293	<i>Notocelia tetragonana</i>	n/a	Na	
49.294	<i>Notocelia uddmanniana</i>	Bramble Shoot Moth	C	
49.295	<i>Notocelia roborana</i>	n/a	C	
49.296	<i>Notocelia incarnatana</i>	n/a	Nb	
49.297	<i>Notocelia rosaecolana</i>	n/a	C	
49.298	<i>Notocelia trimaculana</i>	n/a	C	
49.306	<i>Rhyacionia pinicolana</i>	n/a	C	
49.307	<i>Rhyacionia pinivorana</i>	Spotted Shoot Moth	C	
49.309	<i>Dichrorampha plumbana</i>	n/a	L	
49.311	<i>Dichrorampha aeratana</i>	n/a	L	
49.313	<i>Dichrorampha acuminatana</i>	n/a	L	
49.316	<i>Dichrorampha sequana</i>	n/a	L	
49.318	<i>Dichrorampha vancouverana</i>	n/a	L	
49.320	<i>Dichrorampha alpinana</i>	n/a	L	
49.321	<i>Dichrorampha petiverella</i>	n/a	C	
49.322	<i>Dichrorampha plumbagana</i>	n/a	L	
49.324	<i>Cydia nigricana</i>	Pea Moth	C	
49.325	<i>Cydia ulicetana</i>	n/a	C	
49.332	<i>Cydia coniferana</i>	n/a	Nb	
49.338	<i>Cydia pomonella</i>	Codling Moth	C	
49.341	<i>Cydia splendana</i>	n/a	C	
49.342	<i>Cydia fagiglandana</i>	n/a	C	
49.345	<i>Lathronympha strigana</i>	n/a	C	
49.347	<i>Grapholita compositella</i>	n/a	C	
49.354	<i>Grapholita jungiella</i>	n/a	C	
49.360	<i>Pammene splendidulana</i>	n/a	Nb	
49.363	<i>Pammene argyrana</i>	n/a	L	
49.365	<i>Pammene albuginana</i>	n/a	L	
49.367	<i>Pammene fasciana</i>	n/a	C	
49.371	<i>Pammene rhediella</i>	Fruitlet Mining Tortrix	L	
49.376	<i>Pammene aurita</i>	n/a	L	
49.377	<i>Pammene germmana</i>	n/a	L	
49.381	<i>Strophedra weirana</i>	n/a	L	
49.382	<i>Strophedra nitidana</i>	n/a	L	
Cossidae				
	50.002	<i>Zeuzera pyrina</i>	Leopard Moth	C
Sesiidae				
	52.003	<i>Sesia bembeciformis</i>	Lunar Hornet Moth	L
	52.010	<i>Synanthedon andrenaeformis</i>	Orange-tailed Clearwing	L
	52.012	<i>Synanthedon vespiformis</i>	Yellow-legged Clearwing	L
	52.014	<i>Bembecia ichneumoniformis</i>	Six-belted Clearwing	L
Zygaenidae				
	54.008	<i>Zygaena filipendulae</i>	Six-spot Burnet	C
	54.009	<i>Zygaena lonicerae</i>	Narrow-bordered Five-spot Burnet	C
Pyralidae				
	62.001	<i>Aphomia sociella</i>	Bee Moth	C
	62.005	<i>Achroia grisella</i>	Lesser Wax Moth	L
	62.006	<i>Galleria mellonella</i>	Wax Moth	C
	62.007	<i>Cryptoblabes bistriga</i>	n/a	L
	62.015	<i>Delplanqueia inscriptella</i>	n/a	L
	62.024	<i>Rhodophaea formosa</i>	n/a	L (Pempella)
	62.025	<i>Dioryctria sylvestrella</i>	n/a	Nb
	62.028	<i>Dioryctria abietella</i>	n/a	C
	62.029	<i>Phycita roborella</i>	n/a	C
	62.032	<i>Nephopterix angustella</i>	n/a	L
	62.034	<i>Acrobasis repandana</i>	n/a	C
	62.035	<i>Acrobasis advenella</i>	n/a	C (Trachycera)
	62.038	<i>Acrobasis consociella</i>	n/a	L
	62.042	<i>Myelois circumvoluta</i>	Thistle Ermine	C
	62.048	<i>Euzophera pinguis</i>	n/a	C

	62.054	Homoeosoma sinuella	n/a	C
	62.058	Phycitodes binaevella	n/a	C
	62.065	Ephestia woodiella	n/a	L
	62.072	Pyralis farinalis	Meal Moth	C
	62.074	Aglossa pinguinalis	Large Tabby	L
	62.075	Hypsopygia costalis	Gold Triangle	C
	62.076	Hypsopygia glaucinalis	n/a	C (Orthopygia)
	62.077	Endotracha flammealis	n/a	C
Crambidae				
	63.005	Pyrausta despicata	n/a	C
	63.006	Pyrausta aurata	n/a	C
	63.007	Pyrausta purpuralis	n/a	C
	63.009	Pyrausta nigrata	n/a	L
	63.014	Sitochroa palealis	n/a	L
	63.017	Anania lancealis	n/a	C (Periephela)
	63.018	Anania coronata	n/a	C (Phyltaenia)
	63.020	Anania perlucidalis	n/a	C (Phyltaenia)
	63.022	Anania crocealis	n/a	L (Ebulea)
	63.024	Anania funebris	n/a	Nb
	63.025	Anania hortulata	Small Magpie	C (Eurypara)
	63.028	Ostrinia nubilalis	European Corn-borer	L
	63.029	Paratalanta pandalis	Bordered Pearl	Na
	63.030	Paratalanta hyalinalis	n/a	Nb
	63.031	Udea ferrugalis	Rusty-dot Pearl	M
	63.033	Udea lutealis	n/a	C
	63.034	Udea prunalis	n/a	C
	63.037	Udea olivalis	n/a	C
	63.038	Patania ruralis	Mother of Pearl	C (Pleuroptya)
	63.040	Mecyna asinalis	n/a	Nb
	63.052	Nomophila noctuella	Rush Veneer	M
	63.054	Cydalima perspectalis*	Box-tree Moth	M- A
	63.057	Evergestis forficalis	Garden Pebble	C
	63.060	Evergestis pallidata	n/a	C
	63.062	Scoparia subfusca	n/a	C
	63.063	Scoparia basistrigalis	n/a	L
	63.064	Scoparia ambigualis	n/a	C
	63.066	Scoparia pyralella	n/a	C
	63.067	Eudonia lacustrata	n/a	C
	63.069	Eudonia angustea	n/a	C
	63.073	Eudonia truncicolella	n/a	C
	63.074	Eudonia mercurella	n/a	C
	63.075	Eudonia pallida	n/a	L
	63.080	Chrysoteuchia culmella	Garden Grass-veneer	C
	63.081	Crambus pascuella	n/a	C
	63.086	Crambus lathoniellus	n/a	C
	63.088	Crambus perlella	n/a	C
	63.089	Agriphila tristella	n/a	C
	63.090	Agriphila inquinatella	n/a	C
	63.091	Agriphila latistria	n/a	L
	63.093	Agriphila straminella	n/a	C
	63.095	Agriphila geniculea	n/a	C
	63.099	Catoptria pinella	n/a	C
	63.102	Catoptria falsella	n/a	C
	63.114	Elophila nymphaeata	Brown China-mark	C
	63.115	Acentria ephemerella	Water Veneer	C
	63.116	Cataclysta lemnata	Small China-mark	C
Drepanidae				
	65.001	Falcaria lacertinaria	Scalloped Hook-tip	C
	65.002	Watsonalla binaria	Oak Hook-tip	C - VU
	65.003	Watsonalla cultraria	Barred Hook-tip	C
	65.005	Drepana falcataria	Pebble Hook-tip	C
	65.006	Sabra harpagula	Scarce Hook-tip	Na - NR
	65.007	Cilix glaucata	Chinese Character	C
	65.008	Thyatira batis	Peach Blossom	C
	65.009	Habrosyne pyritoides	Buff Arches	C
	65.010	Tethea ocularis	Figure of Eighty	C
	65.011	Tethea or	Poplar Lutestring	L
	65.012	Tetheella fluctuosa	Satin Lutestring	L
	65.013	Ochropacha duplaris	Common Lutestring	C
	65.014	Cymatophorina diluta	Oak Lutestring	L
	65.015	Polyploca ridens	Frosted Green	C

Lasiocampidae	65.016	<i>Achlya flavicornis</i>	Yellow Horned	C
	66.001	<i>Poecilocampa populi</i>	December Moth	C
	66.002	<i>Trichiura crataegi</i>	Pale Eggar	C - VU
	66.003	<i>Malacosoma neustria</i>	Lackey	C
	66.007	<i>Lasiocampa quercus*</i>	Oak Eggar	C
	66.008	<i>Macrothylacia rubi</i>	Fox Moth	C
Sphingidae	66.010	<i>Euthrix potatoria</i>	Drinker	C
	69.001	<i>Mimas tiliae</i>	Lime Hawk-moth	C
	69.002	<i>Smerinthus ocellata</i>	Eyed Hawk-moth	C
	69.003	<i>Laothoe populi</i>	Poplar Hawk-moth	C
	69.010	<i>Macroglossum stellatarum</i>	Humming-bird Hawk-moth	M
Geometridae	69.016	<i>Deilephila elpenor</i>	Elephant Hawk-moth	C
	70.006	<i>Idaea fuscovenosa</i>	Dwarf Cream Wave	C
	70.008	<i>Idaea seriata</i>	Small Dusty Wave	C
	70.009	<i>Idaea subsericeata</i>	Satin Wave	C
	70.011	<i>Idaea dimidiata</i>	Single-dotted Wave	C
	70.012	<i>Idaea trigeminata</i>	Treble Brown Spot	C
	70.013	<i>Idaea biselata</i>	Small Fan-footed Wave	C
	70.016	<i>Idaea aversata</i>	Riband Wave	C
	70.027	<i>Scopula floslactata</i>	Cream Wave	C
	70.029	<i>Timandra comae</i>	Blood-Vein	C
70.031	<i>Cyclophora annularia</i>	Mocha	L	
70.036	<i>Cyclophora punctaria</i>	Maiden's Blush	C	
70.037	<i>Cyclophora linearia</i>	Clay Triple-lines	C	
70.038	<i>Rhodometra sacraria</i>	Vestal	M	
70.041	<i>Scotopteryx luridata</i>	July Belle	C	
70.043	<i>Scotopteryx bipunctaria</i>	Chalk Carpet	L	
70.045	<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	C	
70.049	<i>Xanthorhoe fluctuata</i>	Garden Carpet	C	
70.051	<i>Xanthorhoe spadicearia</i>	Red Twin-spot Carpet	C	
70.052	<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	C - NT	
70.053	<i>Xanthorhoe designata</i>	Flame Carpet	C	
70.054	<i>Xanthorhoe montanata</i>	Silver-ground Carpet	C	
70.055	<i>Xanthorhoe quadrifasiata</i>	Large Twin-spot Carpet	C	
70.057	<i>Catarhoe rubidata</i>	Ruddy Carpet	L	
70.059	<i>Camptogramma bilineata</i>	Yellow Shell	C	
70.061	<i>Epirrhoe alternata</i>	Common Carpet	C	
70.062	<i>Epirrhoe rivata</i>	Wood Carpet	C	
70.064	<i>Euphyia biangulata</i>	Cloaked Carpet	L	
70.065	<i>Euphyia unangulata</i>	Sharp-angled Carpet	C	
70.066	<i>Earophila badiata</i>	Shoulder Stripe	C	
70.067	<i>Anticlea derivata</i>	Streamer	C	
70.068	<i>Mesoleuca albicillata</i>	Beautiful Carpet	C	
70.074	<i>Hydriomena furcata</i>	July Highflyer	C	
70.075	<i>Hydriomena impluviata</i>	May Highflyer	C	
70.077	<i>Pennithera firmata</i>	Pine Carpet	C	
70.079	<i>Thera britannica</i>	Spruce Carpet	C	
70.081	<i>Thera obeliscata</i>	Grey Pine Carpet	C	
70.084	<i>Plemyria rubiginata</i>	Blue-bordered Carpet	C	
70.085	<i>Cidaria fulvata</i>	Barred Yellow	C	
70.086	<i>Electrophaes corylata</i>	Broken-barred Carpet	C	
70.087	<i>Cosmorhoe ocellata</i>	Purple Bar	C	
70.089	<i>Eulithis prunata</i>	Phoenix	C	
70.091	<i>Eulithis populata</i>	Northern Spinach	C	
70.093	<i>Gandaritis pyraliata</i>	Barred Straw	C	
70.094	<i>Ecliptopera silaceata</i>	Small Phoenix	C	
70.095	<i>Chloroclysta siterata</i>	Red-Green Carpet	C	
70.097	<i>Dysstroma truncata</i>	Common Marbled Carpet	C	
70.098	<i>Dysstroma citrata</i>	Dark Marbled Carpet	C	
70.099	<i>Colostygia olivata</i>	Beech-green Carpet	L	
70.100	<i>Colostygia pectinataria</i>	Green Carpet	C	
70.101	<i>Colostygia multistrigaria</i>	Mottled Grey	C	
70.103	<i>Lampropteryx suffumata</i>	Water Carpet	C	
70.104	<i>Lampropteryx otregiata</i>	Devon Carpet	L	
70.105	<i>Operophtera fagata</i>	Northern Winter Moth	C	
70.106	<i>Operophtera brumata</i>	Winter Moth	C	
70.107	<i>Epirrita dilutata</i>	November Moth	C	
70.108	<i>Epirrita christyi</i>	Pale November Moth	C	

70.110	<i>Epirrita filigrammaria</i>	Small Autumnal Moth	L
70.111	<i>Asthena albulata</i>	Small White Wave	C
70.112	<i>Euchoeca nebulata</i>	Dingy Shell	C
70.113	<i>Hydrelia sylvata</i>	Waved Carpet	L
70.114	<i>Hydrelia flammeolaria</i>	Small Yellow Wave	C
70.116	<i>Venusia blomeri</i>	Blomer's Rivulet	L
70.117	<i>Minoa murinata</i>	Drab Looper	Nb - NS
70.118	<i>Philereme vetulata</i>	Brown Scallop	C
70.119	<i>Philereme transversata</i>	Dark Umber	C
70.121	<i>Rheumaptera undulata</i>	Scallop Shell	C
70.123	<i>Triphosa dubitata</i>	Tissue	L
70.126	<i>Horisme vitalbata</i>	Small Waved Umber	C
70.127	<i>Horisme tersata</i>	Fern	C
70.128	<i>Melanthia procellata</i>	Pretty Chalk Carpet	C
70.132	<i>Perizoma affinitata</i>	Rivulet	C
70.133	<i>Perizoma alchemillata</i>	Small Rivulet	C
70.134	<i>Perizoma bifaciata</i>	Barred Rivulet	C
70.137	<i>Perizoma albulata</i>	Grass Rivulet	C
70.138	<i>Perizoma flavofasciata</i>	Sandy Carpet	C
70.141	<i>Gymnoscelis rufifasciata</i>	Double-striped Pug	C
70.142	<i>Chloroclystis v-ata</i>	V-Pug	C
70.144	<i>Pasiphila rectangulata</i>	Green Pug	C
70.145	<i>Pasiphila debiliata</i>	Bilberry Pug	Nb - NS
70.146	<i>Eupithecia haworthiata</i>	Haworth's Pug	C
70.147	<i>Eupithecia tenuiata</i>	Slender Pug	C
70.148	<i>Eupithecia inturbata</i>	Maple Pug	C - EN
70.150	<i>Eupithecia linariata</i>	Toadflax Pug	C - NT
70.151	<i>Eupithecia pulchellata</i>	Foxglove Pug	C
70.155	<i>Eupithecia venosata</i>	Netted Pug	L
70.156	<i>Eupithecia abbreviata</i>	Brindled Pug	C
70.157	<i>Eupithecia dodoneata</i>	Oak-tree Pug	C
70.158	<i>Eupithecia pusillata</i>	Juniper Pug	C
70.159	<i>Eupithecia phoeniceata</i>	Cypress Pug	L
70.160	<i>Eupithecia tripunctaria</i>	White-spotted Pug	C
70.161	<i>Eupithecia virgaureata</i>	Golden-rod Pug	C
70.162	<i>Eupithecia tantillaria</i>	Dwarf Pug	C
70.163	<i>Eupithecia lariciata</i>	Larch Pug	C - NT
70.164	<i>Eupithecia egenaria</i>	Fletcher's Pug or Pauper Pug	Nb - NS
70.171	<i>Eupithecia indigata</i>	Ochreous Pug	C
70.173	<i>Eupithecia centaureata</i>	Lime-speck Pug	C
70.175	<i>Eupithecia trisignaria</i>	Triple-spotted Pug	C
70.177	<i>Eupithecia satyrata</i>	Satyr Pug	C
70.179	<i>Eupithecia absinthiata</i>	Wormwood Pug	C
70.180	<i>Eupithecia expallidata</i>	Bleached Pug	L
70.181	<i>Eupithecia valerianata</i>	Valerian Pug	L
70.182	<i>Eupithecia assimilata</i>	Currant Pug	C
70.183	<i>Eupithecia vulgata</i>	Common Pug	C
70.184	<i>Eupithecia exiguata</i>	Mottled Pug	C
70.187	<i>Eupithecia icterata</i>	Tawny Speckled Pug	C
70.190	<i>Eupithecia subfuscata</i>	Grey Pug	C
70.192	<i>Aplocera plagiata</i>	Treble-bar	C
70.193	<i>Aplocera efformata</i>	Lesser Treble-bar	C
70.195	<i>Chesias legatella</i>	Streak	C
70.196	<i>Chesias rufata</i>	Broom-tip	L - NT
70.198	<i>Lobophora halterata</i>	Seraphim	C
70.200	<i>Acasis viretata</i>	Yellow-barred Brindle	C
70.202	<i>Trichopteryx carpinata</i>	Early Tooth-striped	C
70.203	<i>Archiearis parthenias</i>	Orange Underwing	C
70.205	<i>Abraxas grossulariata</i>	Magpie Moth	C
70.206	<i>Abraxas sylvata</i>	Clouded Magpie	C
70.207	<i>Lomaspilis marginata</i>	Clouded Border	C
70.208	<i>Ligdia adustata</i>	Scorched Carpet	C
70.211	<i>Macaria notata</i>	Peacock Moth	C
70.214	<i>Macaria liturata</i>	Tawny-barred Angle	C
70.217	<i>Macaria brunneata</i>	Rannoch Looper	Nb - NS
70.221	<i>Cepphis advenaria</i>	Little Thorn	Nb - NS
70.222	<i>Petrophora chlorosata</i>	Brown Silver-line	C
70.223	<i>Plagodis pulveraria</i>	Barred Umber	C
70.224	<i>Plagodis dolabraria</i>	Scorched Wing	C
70.226	<i>Opisthograptis luteolata</i>	Brimstone Moth	C
70.227	<i>Epione repandaria</i>	Bordered Beauty	C

70.229	<i>Pseudopanthera macularia</i>	Speckled Yellow	C
70.231	<i>Apeira syringaria</i>	Lilac Beauty	C
70.233	<i>Ennomos quercinaria</i>	August Thorn	C
70.234	<i>Ennomos alniaria</i>	Canary-shouldered Thorn	C
70.235	<i>Ennomos fuscantaria</i>	Dusky Thorn	C
70.236	<i>Ennomos erosaria</i>	September Thorn	C
70.237	<i>Selenia dentaria</i>	Early Thorn	C
70.238	<i>Selenia lunularia</i>	Lunar Thorn	C
70.239	<i>Selenia tetralunaria</i>	Purple Thorn	C
70.240	<i>Odontopera bidentata</i>	Scalloped Hazel	C
70.241	<i>Crocallis elinguaris</i>	Scalloped Oak	C
70.243	<i>Ourapteryx sambucaria</i>	Swallow-tailed Moth	C
70.244	<i>Colotois pennaria</i>	Feathered Thorn	C
70.245	<i>Alsophila aescularia</i>	March Moth	C
70.246	<i>Apocheima hispidaria</i>	Small Brindled Beauty	C
70.247	<i>Phigalia pilosaria</i>	Pale Brindled Beauty	C - VU
70.248	<i>Lycia hirtaria</i>	Brindled Beauty	C
70.251	<i>Biston strataria</i>	Oak Beauty	C
70.252	<i>Biston betularia</i>	Peppered Moth	C
70.253	<i>Agriopis leucophaearia</i>	Spring Usher	C
70.254	<i>Agriopis aurantiaria</i>	Scarce Umber	C
70.255	<i>Agriopis marginaria</i>	Dotted Border	C
70.256	<i>Erannis defoliaria</i>	Mottled Umber	C - VU
70.257	<i>Menophra abruptaria</i>	Waved Umber	C
70.258	<i>Peribatodes rhomboidaria</i>	Willow Beauty	C
70.264	<i>Deileptenia ribeata</i>	Satin Beauty	C
70.265	<i>Alcis repandata</i>	Mottled Beauty	C
70.266	<i>Alcis jubata</i>	Dotted Carpet	C
70.267	<i>Hypomecis roboraria</i>	Great Oak Beauty	L
70.270	<i>Ectropis crepuscularia</i>	Engrailed	C
70.272	<i>Paradarisa consonaria</i>	Square Spot	C
70.273	<i>Parectropis similaria</i>	Brindled White-spot	C
70.274	<i>Aethalura punctulata</i>	Grey Birch	C
70.276	<i>Bupalus piniaria</i>	Bordered White	C
70.277	<i>Cabera pusaria</i>	Common White Wave	C
70.278	<i>Cabera exanthemata</i>	Common Wave	C
70.279	<i>Lomographa bimaculata</i>	White-pinion Spotted	C
70.280	<i>Lomographa temerata</i>	Clouded Silver	C
70.282	<i>Theria primaria</i>	Early Moth	C
70.283	<i>Campaea margaritaria</i>	Light Emerald	C
70.284	<i>Hylaea fasciaria</i>	Barred Red	C
70.287	<i>Charissa obscurata</i>	Annulet	L
70.288	<i>Cleorodes lichenaria</i>	Brussels Lace	C
70.295	<i>Perconia strigillaria</i>	Grass Wave	L
70.297	<i>Pseudoterpna pruinata</i>	Grass Emerald	C
70.299	<i>Geometra papilionaria</i>	Large Emerald	C
70.300	<i>Comibaena bajularia</i>	Blotched Emerald	C
70.302	<i>Hemistola chrysoprasaria</i>	Small Emerald	C
70.303	<i>Jodis lactearia</i>	Little Emerald	C
70.305	<i>Hemithea aestivaria</i>	Common Emerald	C
Notodontidae			
71.003	<i>Cerura vinula</i>	Puss Moth	C
71.005	<i>Furcula furcula</i>	Sallow Kitten	C
71.006	<i>Furcula bicuspis</i>	Alder Kitten	L
71.007	<i>Furcula bifida</i>	Poplar Kitten	C
71.009	<i>Stauropus fagi</i>	Lobster Moth	C
71.010	<i>Drymonia dodonaea</i>	Marbled Brown	C
71.011	<i>Drymonia ruficornis</i>	Lunar Marbled Brown	C
71.012	<i>Notodonta dromedarius</i>	Iron Prominent	C
71.013	<i>Notodonta ziczac</i>	Pebble Prominent	C
71.016	<i>Peridea anceps</i>	Great Prominent	C
71.017	<i>Pheosia tremula</i>	Swallow Prominent	C
71.018	<i>Pheosia gnoma</i>	Lesser Swallow Prominent	C
71.020	<i>Pterostoma palpina</i>	Pale Prominent	C
71.021	<i>Ptilodon capucina</i>	Coxcomb Prominent	C
71.025	<i>Phalera bucephala</i>	Buff-tip	C
71.027	<i>Clostera curtula</i>	Chocolate-tip	C
Erebidae			
72.001	<i>Scoliopteryx libatrix</i>	Herald	C
72.002	<i>Rivula sericealis</i>	Straw Dot	C
72.003	<i>Hypena proboscidalis</i>	Snout	C

72.004	<i>Hypena rostralis</i>	Buttoned Snout	L
72.007	<i>Hypena crassalis</i>	Beautiful Snout	C
72.010	<i>Lymantria monacha</i>	Black Arches	C
72.013	<i>Euproctis similis</i>	Yellow-tail	C
72.015	<i>Calliteara pudibunda</i>	Pale Tussock	C
72.017	<i>Orgyia antiqua</i>	Vapourer	C
72.019	<i>Spilosoma lutea</i>	Buff Ermine	C
72.020	<i>Spilosoma lubricipeda</i>	White Ermine	C
72.022	<i>Diaphora mendica</i>	Muslin Moth	C
72.024	<i>Phragmatobia fuliginosa</i>	Ruby Tiger	C
72.029	<i>Callimorpha dominula</i>	Scarlet Tiger	C
72.031	<i>Tyria jacobaeae</i>	Cinnabar	C
72.034	<i>Utetheisa pulchella</i>	Crimson Speckled	M
72.035	<i>Miltochrista miniata</i>	Rosy Footman	C
72.036	<i>Nudaria mundana</i>	Muslin Footman	C
72.037	<i>Thumatha senex</i>	Round-winged Muslin	C
72.038	<i>Cybosia mesomella</i>	Four-dotted Footman	C
72.041	<i>Lithosia quadra</i> *	Four-spotted Footman	L
72.042	<i>Atolmis rubricollis</i>	Red-necked Footman	C
72.043	<i>Eilema depressa</i>	Buff Footman	C
72.044	<i>Eilema griseola</i>	Dingy Footman	C
72.045	<i>Eilema lurideola</i>	Common Footman	C
72.046	<i>Eilema complana</i>	Scarce Footman	C
72.049	<i>Eilema sororcula</i>	Orange Footman	C
72.053	<i>Herminia tarsipennalis</i>	Fan-foot	C
72.055	<i>Herminia grisealis</i>	Small Fan-foot	C
72.061	<i>Schrankia costaestrigalis</i>	Pinion-streaked Snout	C
72.063	<i>Lygephila pastinum</i>	Blackneck	C - NT
72.067	<i>Phytometra viridaria</i>	Small Purple-barred	L
72.069	<i>Laspeyria flexula</i>	Beautiful Hook-tip	C
72.076	<i>Catocala fraxini</i>	Clifden Nonpareil	M - NS
72.078	<i>Catocala nupta</i>	Red Underwing	C
72.083	<i>Euclidia glyphica</i>	Burnet Companion	C
72.084	<i>Euclidia mi</i>	Mother Shipton	C

Noctuidae

73.001	<i>Abrostola tripartita</i>	Spectacle	C
73.002	<i>Abrostola triplasia</i>	Dark Spectacle	C
73.012	<i>Diachrysia chrysitis</i>	Burnished Brass	C
73.015	<i>Autographa gamma</i>	Silver Y	M
73.016	<i>Autographa pulchrina</i>	Beautiful Golden Y	C
73.017	<i>Autographa jota</i>	Plain Golden Y	C
73.022	<i>Plusia festucae</i>	Gold Spot	C
73.024	<i>Deltote pygarga</i>	Marbled White Spot	C
73.032	<i>Colocasia coryli</i>	Nut-tree Tussock	C
73.033	<i>Diloba caeruleocephala</i>	Figure of Eight	L - EN
73.036	<i>Acronicta alni</i>	Alder Moth	C
73.037	<i>Acronicta tridens</i>	Dark Dagger	C
73.038	<i>Acronicta psi</i>	Grey Dagger	C
73.039	<i>Acronicta aceris</i>	Sycamore	C
73.040	<i>Acronicta leporina</i>	Miller	C
73.045	<i>Acronicta rumicis</i>	Knot Grass	C
73.046	<i>Subacronicta megacephala</i>	Poplar Grey	C
73.047	<i>Craniophora ligustri</i>	Coronet	C
73.048	<i>Panemeria tenebrata</i>	Small Yellow Underwing	C
73.052	<i>Cucullia umbratica</i>	Shark	C
73.053	<i>Cucullia chamomillae</i>	Chamomile Shark	C
73.058	<i>Cucullia verbasci</i>	Mullein	C
73.062	<i>Amphipyra pyramidea</i>	Copper Underwing	C
73.063	<i>Amphipyra berbera</i>	Svensson's Copper Underwing	C
73.064	<i>Amphipyra tragopoginis</i>	Mouse Moth	C - VU
73.068	<i>Allophytes oxyacanthae</i>	Green-brindled Crescent	C
73.069	<i>Xylocampa areola</i>	Early Grey	C
73.084	<i>Bryophila domestica</i>	Marbled Beauty	C
73.092	<i>Caradrina morpheus</i>	Mottled Rustic	C
73.095	<i>Caradrina clavipalpis</i>	Pale Mottled Willow	C
73.096	<i>Hoplodrina octogenaria</i>	Uncertain	C
73.097	<i>Hoplodrina blanda</i>	Rustic	C
73.101	<i>Charanyca trigrammica</i>	Treble Lines	C
73.102	<i>Rusina ferruginea</i>	Brown Rustic	C
73.105	<i>Dypterygia scabriuscula</i>	Bird's Wing	C
73.107	<i>Mormo maura</i>	Old Lady	C

73.109	<i>Thalpophila matura</i>	Straw Underwing	C
73.113	<i>Phlogophora meticulosa</i>	Angle Shades	C
73.114	<i>Euplexia lucipara</i>	Small Angle Shades	C
73.120	<i>Eremobia ochroleuca</i>	Dusky Sallow	C
73.121	<i>Gortyna flavago</i>	Frosted Orange	C
73.123	<i>Hydraecia micacea</i>	Rosy Rustic	C
73.128	<i>Amphipoea oculea</i>	Ear Moth	C
73.131	<i>Luperina testacea</i>	Flooned Rustic	C
73.134	<i>Rhizodra lutosa</i>	Large Wainscot	C
73.144	<i>Denticucullus pygmina</i>	Small Wainscot	C
73.147	<i>Photodes minima</i>	Small Dotted Buff	C
73.154	<i>Apamea remissa</i>	Dusky Brocade	C
73.155	<i>Apamea epomidion</i>	Clouded Brindle	C
73.156	<i>Apamea crenata</i>	Clouded-bordered Brindle	C
73.158	<i>Apamea sordens</i>	Rustic Shoulder-knot	C
73.16	<i>Apamea scolopacina</i>	Slender Brindle	C
73.162	<i>Apamea monoglypha</i>	Dark Arches	C
73.163	<i>Apamea lithoxyla</i>	Light Arches	C
73.168	<i>Lateroligia ophiogramma</i>	Double Lobed	C
73.169	<i>Mesapamea secalis</i>	Common Rustic	C
73.17	<i>Mesapamea didyma</i>	Lesser Common Rustic	C
73.171	<i>Litoligia literosa</i>	Rosy Minor	C - NT
73.172	<i>Mesoligia furuncula</i>	Cloaked Minor	C
73.173	<i>Oligia strigilis</i>	Marbled Minor	C
73.174	<i>Oligia latruncula</i>	Tawny Marbled Minor	C
73.175	<i>Oligia versicolor</i>	Rufous Minor	C
73.176	<i>Oligia fasciuncula</i>	Middle-barred Minor	C
73.179	<i>Tiliacea citrigo</i>	Orange Sallow	C
73.18	<i>Tiliacea aurago</i>	Barred Sallow	C
73.181	<i>Xanthia togata</i>	Pink-barred Sallow	C
73.182	<i>Cirrhia icteritia</i>	Sallow	C
73.186	<i>Agrochola lychnidis</i>	Beaded Chestnut	C - NT
73.187	<i>Agrochola litura</i>	Brown-spot Pinion	C
73.188	<i>Agrochola helvola</i>	Flooned Chestnut	C - NT
73.189	<i>Agrochola lota</i>	Red-line Quaker	C
73.19	<i>Agrochola macilentata</i>	Yellow-line Quaker	C
73.192	<i>Agrochola circellaris</i>	Brick	C
73.193	<i>Omphaloscelis lunosa</i>	Lunar Underwing	C
73.194	<i>Conistra vaccinii</i>	Chestnut	C
73.195	<i>Conistra ligula</i>	Dark Chestnut	C
73.197	<i>Conistra rubiginea</i>	Dotted Chestnut	C
73.200	<i>Lithophane semibrunnea</i>	Tawny Pinion	C
73.201	<i>Lithophane socia</i>	Pale Pinion	C
73.202	<i>Lithophane ornitopus</i>	Grey Shoulder-knot	C
73.206	<i>Lithophane leautieri</i>	Blair's Shoulder-knot	C
73.21	<i>Eupsilia transversa</i>	Satellite	C
73.212	<i>Ipimorpha retusa</i>	Double Kidney	L
73.215	<i>Cosmia affinis</i>	Lesser-spotted Pinion	L
73.216	<i>Cosmia trapezina</i>	Dun-bar	C
73.219	<i>Atethmia centrigo</i>	Centre-barred Sallow	C
73.22	<i>Brachylomia viminalis</i>	Minor Shoulder-knot	C
73.222	<i>Apterogenum ypsilon</i>	Dingy Shears	C
73.224	<i>Griposia aprilina</i>	Merveille du Jour	C
73.225	<i>Dryobotodes eremita</i>	Brindled Green	C
73.228	<i>Antitype chi</i>	Grey Chi	C
73.233	<i>Aporophyla nigra</i>	Black Rustic	C
73.238	<i>Mniotype adusta</i>	Dark Brocade	C
73.241	<i>Panolis flammea</i>	Pine Beauty	C
73.242	<i>Orthosia incerta</i>	Clouded Drab	C
73.243	<i>Orthosia miniosa</i>	Blossom Underwing	L
73.244	<i>Orthosia cerasi</i>	Common Quaker	C
73.245	<i>Orthosia cruda</i>	Small Quaker	C
73.246	<i>Orthosia populeti</i>	Lead-coloured Drab	C
73.247	<i>Orthosia gracilis</i>	Powdered Quaker	C
73.249	<i>Orthosia gothica</i>	Hebrew Character	C
73.250	<i>Anorthoa munda</i>	Twin-spotted Quaker	C
73.251	<i>Egira conspicularis</i>	Silver Cloud	Nb - NS
73.253	<i>Tholera decimalis</i>	Feathered Gothic	C
73.254	<i>Cerapteryx graminis</i>	Antler Moth	C
73.261	<i>Polia nebulosa</i>	Grey Arches	C
73.264	<i>Lacanobia thalassina</i>	Pale-shouldered Brocade	C

73.265	Lacanobia contigua	Beautiful Brocade	L
73.267	Lacanobia oleracea	Bright-line Brown-eye	C
73.270	Melanchra persicariae	Dot Moth	C
73.273	Hada plebeja	Shears	C
73.274	Mamestra brassicae	Cabbage Moth	C
73.279	Hecatera bicolorata	Broad-barred White	C - NT
73.281	Hadena bicurris	Lychnis	C
73.290	Mythimna conigera	Brown-line Bright-eye	C
73.291	Mythimna pallens	Common Wainscot	C
73.293	Mythimna impura	Smoky Wainscot	C
73.298	Mythimna ferrago	Clay	C
73.300	Mythimna l-album*	L-album Wainscot	L
73.301	Leucania comma	Shoulder-striped Wainscot	C
73.317	Agrotis exclamationis	Heart and Dart	C
73.319	Agrotis segetum	Turnip Moth	C
73.320	Agrotis clavis	Heart and Club	C
73.325	Agrotis puta	Shuttle-shaped Dart	C
73.327	Agrotis ipsilon	Dark Sword-grass	M
73.328	Axylia putris	Flame	C
73.329	Ochroleura plecta	Flame Shoulder	C
73.332	Diarsia brunnea	Purple Clay	C
73.333	Diarsia mendica	Ingrailed Clay	C
73.334	Diarsia rubi	Small Square-spot	C
73.336	Cerastis rubricosa	Red Chestnut	C
73.337	Cerastis leucographa	White-marked	L
73.338	Lycophotia porphyrea	True Lover's Knot	C - VU
73.342	Noctua pronuba	Large Yellow Underwing	C
73.343	Noctua fimbriata	Broad-bordered Yellow Underwing	C
73.345	Noctua comes	Lesser Yellow Underwing	C
73.346	Noctua interjecta	Least Yellow Underwing	C
73.348	Noctua janthe	Lesser Broad-bordered Yellow Underwing	C
73.351	Graphiphora augur	Double Dart	C
73.352	Anaplectoides prasina	Green Arches	C
73.353	Xestia baja	Dotted Clay	C
73.357	Xestia xanthographa	Square-spot Rustic	C
73.358	Xestia sexstrigata	Six-striped Rustic	C
73.359	Xestia c-nigrum	Setaceous Hebrew Character	C
73.36	Xestia ditrapezium	Triple-spotted Clay	C
73.361	Xestia triangulum	Double Square-spot	C
73.365	Eugnorisma glareosa	Autumnal Rustic	C
Nolidae			
74.003	Nola cucullatella	Short-cloaked Moth	C
74.004	Nola confusalis	Least Black Arches	C
74.007	Bena bicolorana	Scarce Silver-lines	C
74.008	Pseudoips prasinana	Green Silver-lines	C
74.009	Nycteola revayana	Oak Nycteoline	C

Undetermined to species:

Oegoconia sp.	An Oegoconia species
Parornix sp.	Parornix species agg.
Yponomeuta padella/malinellus/cagnagella sp.	

Grand Total 972 without agg

The following are not yet accepted or awaiting determination:

Stigmella floslactella
Stigmella hemargyrella
15.086 Phyllonorycter geniculella
15.083 Phyllonorycter trifasciella
Argyrestia curvella
Cauchas rufimitrella
Agonopterix scopariella
Syncopacma larseniella ag. *Monochroa tenebrella* chk *cystella*
Cnephasia communana '22 with PH
Clepsia spectrana
Acleris comariana
Acleris umbrana
Eucosma conterminana Jul'17, Aug'15

3.7 Checklist of order Hymenoptera – Bees, Wasps & Ants

Family	Species	Status	Source
Suborder APOCRITA - ACULEATA. Ants, Bees and Wasps			
Apoidea	Apidae - Honey Bee, Bumblebees etc		
	Apinae		
	Aphis mellifera	Western Honey Bee	m
	Bombus terrestris	Buff-tailed Bumblebee	m
	Bombus hortorum	Garden Bumblebee	ID
	Bombus pratorum	Early-nesting Bumblebee	m
	Bombus leucorum	White-tailed Bumblebee	m
	Bombus lapidarius	Red-tailed Bumblebee	m
	Bombus pascuorum	Common Carder Bumblebee	m
	Bombus vestalis	Vestal Cuckoo-Bee	m
	Bombus hypnorum	Tree Bumblebee	m
	Bombus rupestris	Red-tailed Cuckoo Bumblebee	Nb WT
	Bombus ruderatus	Large Garden Bumblebee	
	Bombus sylvestris	Forest Bumblebee	m
	Anthophorinae		
	Nomada goodeniana	Gooden's Nomad Bee	ID
	Nomada flava sl.	Flavous Nomad Bee	ID
	Nomada fabriciana	Fabricius Nomad Bee	ID
	Nomada marshamella	Marsham's Nomad Bee	ID
	Nomada lathburiana	Lathbury's Nomad Bee	ID
	Anthophora plumipes	Hairy-footed Flower Bee	ID
	Anthophora furcata	Fork-tailed Flower Bee	ID
	Eucera longicornis	Long-horned Bee	ID
	Andreninae		
	Andrena bicolor	Gwynne's Mining Bee	ID
	Andrena bucephala	Big-headed Mining Bee	ID/LO
	Andrena cineraria	Ashy (Grey-haired) Mining Bee	ID
	Andrena chrysoceles	Hawthorn Mining Bee	ID/NBN
	Andrena dorsata	Short-fringed Mining Bee	ID
	Andrena fucata	Painted Mining Bee	ID/LO
	Andrena fulva	Tawny Mining Bee	ID
	Andrena haemorrhhoa	Orange-tailed Mining Bee	ID
	Andrena helvola	Coppice Mining Bee	ID
	Andrena minutula	Common Mini-miner	ID
	Andrena nitida	Grey-patched Mining Bee	ID
	Andrena nigroaenea	Buffish Mining Bee	ID
	Andrena praecox	Small Sallow Mining Bee	NBN*
	Andrena semilaevis	Shiny-margined Mini-miner	NBN*
	Andrena scotica	Chocolate Mining Bee	ID
	Andrena wilkella	Wilke's Mining Bee	NBN*
	Melitta leporina	Clover Melitta	ID
	Halictinae		
	Halictus rubicundus	Orange-legged Furrow-bee	ID
	Halictis tumulorum	Bronze Mining Bee	ID
	Sphecodes monilicornis	Box-headed Blood-bee	ID
	Sphecodes ephippius	Bare-saddled Blood-bee	ID
	Lasioglossum laevigatum	Red-backed Furrow-bee	ID
	Lasioglossum calceatum	Common Furrow Bee	ID
	Lasioglossum morio	Green Furrow Bee	NBN
	Lasioglossum smeathmanellum	Smeathman's Furrow Bee	NBN
	Lasioglossum leucopus	White-footed Furrow Bee	ID
	Lasioglossum fulvicorne	Chalk Furrow Bee	ID
	Megachilinae		
	Stelis phaeoptera	Plain Dark Bee	ID

	<i>Osmia bicornis</i>	Red Mining Bee		ID
	<i>Osmia leaiana</i>	Orange-vented Mason Bee		m
	<i>Osmia caerulescens</i>	Blue Mason Bee		ID
	<i>Megachile willughbiella</i>	Willughby's Leafcutter Bee		m
	<i>Megachile centuncularis</i>	Patchwork Leafcutter		ID
	<i>Chelostoma florissomne</i>	Sleepy Carpenter Bee		NBN
	<i>Anthidium maniculatum</i>	Wool Carder Bee		ID
	<i>Melecta albifrons</i>	Common Mourning Bee		ID
	<i>Coelioxys elongate sl</i>	Sharp-tailed Bee		ID
	Colletinae			
	<i>Hylaeus communis</i>	Common Yellow-faced Bee		m
	<i>Hylaeus confusus</i>	White-jawed Yellow-faced Bee		ID
	<i>Colletes daviesanus</i>	Davies' Colletes		ID
	<i>Colletes hederiae</i>	Ivy Bee		ID
Vespoidea				
	Vespidae – Social Wasps			
	<i>Vespula vulgaris</i>	Common Wasp		M
	<i>Vespula germanica</i>	German Wasp		ID
	<i>Vespa crabro</i>	Hornet		M
	<i>Dolichovespula sylvestris</i>	Tree Wasp		ID
	<i>Dolichovespula norwegica</i>	Norwegian Wasp		ID
	Eumeninae			
	<i>Ancistrocerus nigricornis</i>	Early Mason Wasp		ID
	Crabronidae - Digger Wasps			
	<i>Mellinus arvensis</i>	Field Digger Wasp		ID
	<i>Ectemnius continuus</i>	Common Ectemnius		ID
	<i>Ectemnius cavifrons</i>	Garden Ectemnius		ID
	<i>Ectemnius cephalotes</i>	Large Ectemnius		ID
	<i>Pemphredon lugubris</i>	Mournful Wasp		ID
	<i>Philanthus triangulum</i>	Beewolf		ID
	<i>Lindeni albilabris</i>	White-lipped Digger Wasp		ID
	<i>Trypoxylon attenuatum sl</i>	Slender Wood-borer Wasp		ID
Chrysoidea				
	Chrysididae - Jewel Wasps			
	<i>Chrysis ignita ag</i>	Ruby-tailed Wasp		I
	Pompiloidea			
	Pompilidae - Spider-hunting Wasps			
	<i>Dipogon varigatus</i>	n/a		ID
	<i>Anoplius nigerrimus</i>	Black Spider Wasp		ID
Tiphiodea				
	Tiphidae - Tiphiid Wasps			
	<i>Methocha articulata</i>	Tiger Beetle-hunting Wasp		NBN*
Formicoidea				
	Formicidae - Ants			
	<i>Myrmica ruginodis</i>	Red Ant		ID
	<i>Myrmica rubra</i>	n/a		NBN*
	<i>Myrmica lobicornis</i>	n/a	I	WT
	<i>Myrmica scabrinodis</i>	n/a	c	WT
	<i>Lasius niger</i>	Black Garden Ant		m
	<i>Lasius flavus</i>	Yellow Meadow Ant		m
	<i>Lasius alienus</i>	n/a		ID
	<i>Formica rufa</i>	Southern Wood Ant		m
	<i>Formica fusca</i>	Negro Ant		m
	<i>Formicoxenus nitidulus</i>	Shining Guest Ant	1	NBN*
	<i>Leptothorax acervorum</i>	n/a	c	WT
	<i>Leptothorax nylanderi</i>	n/a	I	WT
	<i>Stenamma westwoodi</i>	n/a	I	WT

Suborder APOCRITA PARASITICA Parasitic Wasps

Ichneumonidae- Ichneumon or Darwin Wasps			
	Ophion luteus ag.	n/a	ID
	Ophion scutellaris sl	n/a	ID
	Ichneumon suspiciosus ag.	n/a	ID
	Ichneumon stramentarius/stramentor	n/a	ID
	Ichneumon deliratorius	Black Ichneumon	ID
	Stenichneumon culpator	n/a	ID
	Ambylteles armatorius	Toothed Tiger Ichneumon	ID
	Heteropelma amictum ag.	Black and red.	ID
	Ephialtes manifestator	n/a	ID
	Rhyssa persuasoria	Sabre Wasp	ID
	Exetastes adpressorius	a white-footed ichneumon	ID
Gasteruptionidae			
	Gasteruption assectator	n/a	ID
	Gasteruption jaculator	n/a	ID
Braconidae			
	unidentified to species.		ID
Cynipidae - Gall Wasps			
	Diplolepis rosea	Robin's Pin Cushion	m
	Andricus kollari	Oak Apple or Marble Gall	m
	Neuroterus quercusbaccarum	Common Spangle Gall Wasp	ID
	Andricus quercuscalicis	Acorn Knopper Gall	ID
Chalcididae - Chalcidic Wasps			
	Brachymeria tibialis	Black and Yellow chalcid	I
Suborder SYMPHYTA. Sawflies and Woodwasps			
Cimbicidae - Club-antennaed Sawflies			
	Cimbex luteus	n/a	NBN*
Tenthredinidae - Common Sawflies			
	Athalia rosae	Turnip Sawfly	ID
	Pachyprotasis rapae	n/a	ID
	Tenthredo zona ag.	n/a	ID
	Tenthredo atra ag.	n/a	ID
	Tenthredo mesomela	n/a	NBN
	Tenthredo temula	n/a	ID
	Tenthredopsis litterata ag.	n/a	ID
	Tenthredopsis nassata	n/a	NBN
	Macrophylla annulata	n/a	ID
	Eutomostethus ephippium	Lawn Sawfly	ID
	Rhogogaster viridis	n/a	ID
	Nematus septentrionalis	Birch or Flat-legged Sawfly	ID
	Neurotoma saltuum	Social Pear Sawfly	ID
	Allantus calceatus	n/a	ID
Cephididae - Stem-boring Sawflies			
	Calameuta filiformis	Reed Stem Borer	ID
	Cephus spinipes	n/a	ID
Argidae - Argid Sawflies			
	Arge pagana	Large Rose Sawfly	ID
	Arge ochropus	Rose Sawfly	ID
Siricidae - WoodWasps			
	Urocerus gigas	Giant Woodwasp	ID

3.8 Checklist of Orders Ephemeroptera (Mayflies), Plecoptera (Stoneflies), and Tricoptera (Caddisflies)

		Source	Status
Ephemeroptera - Mayflies			
Baetidae			
	Pale Watery	Baetis fuscatus	ID
	Southern Iron Blue	Baetis niger/digitatus	ID
	Pond Olive	Cloeon dipterum ag	ID
	Pale Evening Dun	Procloeon bifidum	ID
Ephemeridae			
	Green Drake	Ephemera danica	ID
	Drake Mackerel	Ephemera vulgata	ID
	Striped Mayfly	Ephemera lineata	NBN NS-VU
Caenidae			
	Large Broadwings	Brachycercus harrisella	NBN NS -VU
Potamanthidae			
	Yellow Mayfly	Potamanthus luteus	M NS - EN
Emphemerellidae			
	Blue-winged Olive	Serratella ignita	M

Plecoptera – Stoneflies

Nemouridae			
		Amphinemura standfussi	NBN
Taeniopterygidae			
		Brachyptera putata	NBN
Perlodidae			
		Perlodes microcephalus	NBN
		Isoperla grammatica	NBN
Leuctridae			
		Leuctra fusca	NBN
		Leuctra geniculate	NBN
Taeniopterygidae			
		Rhabdiopteryx acuminata	NBN
		Taeniopteryx nebulosa	NBN

Order Tricoptera – Caddisflies

Beraeidae	Beraeodes minutus	NBN
Brachycentridae	Brachycentrus subnubilus	NBN
Limnephidae		
Caperer	Halesus radiatus ag	ID
Cinnamon Sedge	Limnephilus rhombicus	ID
	Limnephilus hirsutus	NBN
	Limnephilus lunatus	NBN
	Limnephilus marmoratus	NBN
	Limnephilus sparsus	NBN
	Potamophylax latipennis	NBN
	Stenophylax permistus	NBN
Lepidostomatidae	Lepidostoma hirtum	NBN
Leptoceridae		
Brown Silverhorn	Athripsodes albifrons	M
	Athripsodes aterrimus	NBN
	Athripsodes bilineatus	NBN
	Athripsodes cinereus	NBN
	Adicella reducta	NBN
	Ceraclea albimacula	NBN
	Ceraclea annulicornis	NBN
	Ceraclea dissimilis	NBN
	Ceraclea nigronevosa	NBN
	Leptocerus interruptus	NBN
Black Silverhorn	Mystacides azurea	M
	Mystacides nigra	NBN
	Oecetis notata	NBN
	Oecetis Testacea	NBN
	Setodes punctatus	NBN
	Ylodes conspersus	NBN
Hydropsychidae		
Grey Flag etc	Hydropsyche siltalai	M
	Hydropsyche contubernalis	NBN
	Hydropsyche pellucidula	NBN
	Diplectrona felix	NBN
	Cheumatopsyche lepida	NBN
Hydroptilidae		
	Allotrichia pallicornis	NBN
	Hydroptila lotensis	NBN
	Hydroptila sparsa	NBN
	Ithytrichia lamellaris	NBN
Glossosomatidae		
n/a	Agapetus fuscipes ag	NBN
	Glossosoma boltoni	NBN
Goeridae		
	Goera pilosa	M
	Silo pallipes	NBN
Molannidae	Molanna angustata	NBN
Philopotamidae	Chimarra marginata	NBN

	<i>Philopotamus montanus</i>	NBN
Polycentropodidae	<i>Polycentropus flavomaculatus</i>	NBN
Psychomyiidae	<i>Psychomyia pusilla</i>	NBN
	<i>Tinodes waeneri</i>	NBN
Rhyacophilidae	<i>Rhyacophila dorsalis</i>	NBN
	<i>Rhyacophila munda</i>	NBN
Sericostomatidae		
Welshman's Button	<i>Sericostoma personatum</i>	M

3.9 Checklist of other insect orders

				Source	Status
Order Dermaptera - Earwigs					
	Common Earwig	Forficula auricularia		ID	
	Lesser Earwig	Labia minor		ID	
	Lesne's Earwig	Forficula lesnei	SO51 only	NBN	NS
Order Dictyoptera – Cockroaches					
	Tawny Cockroach	Ectobius pallidus	SO51 only	NBN	NS
Order Mecoptera - Scorpionflies					
	Panorpidae				
	Scorpionfly	Panorpa communis		M	
Order Raphidioptera - Snakeflies					
	Raphididae				
	Pine Snakefly	Atlantorhaphidia maculicollis		M	
	Oak Snakefly	Phaeostigma notata		M	
Order Neuroptera - Lacewings					
	Chrysopidae				
	Green lacewing	Chrysoperla carnea		ID	
	Hemerobiidae				
	Brown Lacewing	Wesmaelius subnebulosus		ID	
		Sympherobius elegans	SO51	NBN	
		Hemerobius stigma ag.		ID	
		Hemerobius humulinus ag.		ID	
		Micromus variegatus ag.		ID	
	Osmylidae	Osmylus fulvicephalus	SO51	NBN	
	Sisyridae	Sisyra terminalis		NBN	
Thysanoptera - Thrips					
		None reported.			
Psocoptera - Barkflies					
	Ectopsocidae				
	n/a	Ectopsocus petersi ag		ID	
Aperygota – Wingless Insects					
Archaeognatha (formerly Thysanura)					
	Machilidae				
	Southern Bristletail	Dilta hibernica		ID	
Zygentoma (formerly in Thysanura)					
	Lepismatidae				
	Silverfish	Lepisma saccharina		ID	

Checklists of Class Arachnida.

3.10. Order Aranea - Spiders			Record source		
			WT	ID	NBN
Agelenidae	Funnelweb Spiders				
	Agelena labyrinthica	Labyrinth Spider		1	
	Tegenaria gigantea ag	House spider		1	
	Tegenaria silvestris	n/a	1	1	
Amaurobidae	Laceweb Spiders				
	Coelotes atropos	n/a	1		
	Amaurobius similis	Lace-web spider		1	
	Amaurabius ferox	n/a	1		
Anyphaenidae	Buzzing Spiders				
	Anyphaea accentuata	Buzzing Spider	1	1	1
Araneidae	Orbweb Spiders				
	Araneus diadematus	Garden Spider		1	
	Araneus quadratus	Four-spot Orbweb Spider		1	
	Araneus marmoreus var pyramidus	n/a		1	
	Agalenatea redii	n/a	1		
	Araniella cucurbitina	Cucumber Spider	1	1	
	Cyclosa conica	n/a		1	
	Larinioides cornutus	n/a		1	
	Mangora acalypha	Cricket-bat Spider	1	1	
	Nuctenea umbratica	Walnut Orbweb Spider		1	1
	Zygiella x-notata	n/a	1	1	
	Zilla diodia	n/a	1		
Clubionidae	Sac Spiders				
	Clubiona corticalis	Silk cell (Sac) Spider		1	
	Clubiona terrestris (or lutescens) ag.	n/a		1	
	Clubiona caerulescens	n/a		1	NR
Dictynidae	Meshweb Spiders				
	Lathys humilis	n/a		1	
Dysderidae	Woodlouse Spiders				
	Harpactea hombergi	n/a	1		1
Gnaphosidae	Ground Spiders				
	Drassodes cupreus	n/a	1		
	Drassyllus pusilla ag.	n/a	1		
	Zelotes latreillei ag.	n/a	?		
Linyphiidae	Money Spiders				
	Ceratinella brevis		1		
	Drapetisca socialis	n/a	1		
	Dismodicus bifrons		1		
	Hypomma cornutum			1	
	Lepthyphantes tenuis		1		
	Linyphia triangularis	Sheet-web Spider		1	1
	Linyphia hortensis		1		1
	Meioneta saxatilis		1		
	Microneta viaria			1	
	Neriere clathrata			1	
	Neriere montana		1		1
	Pelecopsis radicolica		1		NR
	Porrhomma egeria			1	NS
	Tenuiphantes flavipes				
	Trematocephalus cristatus				NS
	Walckenaeria nodosa				NS
Liocranidae	Running Foliage Spiders				
	Agroeca proxima	n/a	1		

Lycosidae	Wolf Spiders					
	Pardosa amentata	Wolf spider		1		
	Pardosa pullata		1			
	Trochosa terricola ag	n/a	1			
	Alopecosa pulverulenta	n/a	1	1		
Philodromidae	Running Crab Spiders					
	Philodromus dispar	n/a	1	1		
	Philodromus aureolus		1			
Pholcidae	Cellar Spiders					
	Pholcus phalangiodes	Daddy longlegs spider	1	1		
Pisauridae	Nursery-web Spiders					
	Pisaura miribalis	Nursery-web spider	1	1		
Salticidae	Jumping Spiders					
	Salticus scenicus	Zebra Spider	1	1		
	Heliophanus cupreus	n/a	1	1		
	Ballus chalybeius		1			NS
	Euophrys frontalis		1			
	Evarcha falcata		1	1		
	Neon reticulatus		1			
Sparassidae	Huntsman Spiders					
	Micrommata viresens	Green Huntsman		1		NS
Tetragnathidae	Long-jawed Orbweb Spiders					
	Meta (Metellina) segmentata	n/a		1		
	Metellina mengei		1			
	Meta menardi	Cave spider		1	1	<5%
	Tetragnatha extensa/montana ag	n/a	1	1		
	Pachygnatha degeeri	n/a	1	1		
Theridiidae	Comb-footed Spiders					
	Achearanea lunata		1	1		
	Parasteatoda lunata		?			
	Anelosimus vittatus		1			
	Enoplognatha ovata		1			
	Episinus angulatus		1			
	Neottiura bimaculata		1			
	Paidiscura pallens			1		
	Robertus lividus		1			
	Robertus neglectus			1		NS
	Steatoda bipunctata	Comb-footed Spider		1		
	Theridion mystaceum		1			
	Theridion sisypium					1
Thomasidae	Crab Spiders					
	Xysticus cristatus	Crab spider	1	1		
	Xysticus kochi		1			
	Diaea dorsata		1	1		
	Misumena vatia	Pale crab spider	1	1		
Uloboridae	Cribellate Orbweb Spiders					
	Hyptiotes paradoxus	Triangle Spider		1		NS
Zoridae	Ghost Spiders					
	Zora spinimana			1		
		81 species				

Status

NR - Nationally Rare – Vulnerable (=RDB2) - 2

NS - Nationally Scarce - 7

3.11. Checklist of Other Arachnida.

			Record source		Status
Order Opiliones - Harvestmen			WT	NBN	
Phalangiiidae					
	Dicranopalpus ramosus	n/a	1	1	
	Leibunum rotundatum	Round Harvestman	1	1	
	Leiobunum blackwalli	n/a		1	
	Opilio saxatilis	n/a		1	
	Oligolophus tridens	n/a	1	1	
	Lacinius ephippiatus	n/a	?		
	Lophopilio palpinalis	n/a			
	Megabunus diadema	n/a	1	1	
	Mitopus morio	n/a		1	
	Paroligolophus agrestis	n/a	1	1	
	Phalangium opilio	n/a			
	Platybunus triangularis	n/a		1	
	Rilaena triangularis	n/a	1		
	Homalenotus quadridentatus	n/a	1		
Trogulidae					
	Anelasmacephalus cambridgei	n/a	1	1	
Nemastomatidae					
	Nemastoma bimaculatum	n/a	1	1	

Order Pseudoscorpionida

	Pselaphochernes scorpiodes	Compost Chernes	1		
	Chthonius ischnoncheles ag.	Common Chthonid	1	1	

Order Acariformes – Mites and Ticks

Penthaleidae	Penthaleus major	Red-legged Earth-mite			
Gall mites	Aceria myriadeum	on Field Maple			
	Aceria macrochela	on Field Maple			
Deer Tick	Ixodes ricinus	(from dog)			

3.12 Checklist of phylum Mollusca, classes Gastropoda and Bivalva – Slugs, Snails and Mussels

Class Gastropoda

			SO51 only	Source	Last record	Status
Terrestrial Snails						
Aciculidae						
	Acicula fusca		1	NBN		
Azecidae						
	Azeca goodalli		1	NBN		
Carychiidae						
	Carychium tridentatum			NBN	1968	
Chondrinidae						
	Abida secale			WT/NBN		Local
Clausiliidae						
	Clausilia bidentata			WT/NBN		
	Cochlodina laminata		1	NBN	1974	
Cochlicopidae						
	Cochlicopa lubricella		1	WT/NBN		
	Cochlicopa lubrica		1	NBN	2015	
Discidae						
	Discus rotundatus			NBN		cf. Patulidae
Enidae						
	Merdigera obscura			NBN		
	Ena obscura			WT		
Ellobiidae						
	Carychium tridentatum			WT		
Euconulidae						
	Euconulus fulvus		1	NBN	1965	
Ferussaciidae						
	Ceciliooides acicula		1	NBN	1885	
Gastrodontidae						
	Zonitoides excavatus		1	NBN	1965	
Helicoidea						
	Cornu (Helix) aspersum	Common Garden Snail		NBN		
Hygromiidae						
	Cepaea hortensis	White-lipped Snail		NBN		
	Cepaea nemoralis	Black-lipped snail		WT/NBN		
	Arianta arbustorum	Copse Snail		NBN		
	Cochlodina laminata	Plaited Door Snail		ID		
	Helicigona lapicida	Lapidary Snail		WT/NBN		Local
	Candidula gigaxii	Eccentric Snail		ID		
	Candidula intersecta	Wrinkled Snail		WT/NBN		
	Monacha cantiana			NBN		
	Trochulus striolatus		1	NBN	2015	
	Trochulus hispidus		1	NBN		
	Zenobiella subrufescens		1	NBN		
Lauriidae						
	Lauria cylindracea			WT/NBN		
Oxychilidae						
	Aegopinella pura			NBN	1968	
	Aegopinella nitidula			NBN	2015	
	Nesovitrea hammonis			NBN		
	Oxychilus alliarius			NBN		
	Oxychilus navarricus		1	NBN	2015	
	Oxychilus cellarius			NBN	2015	
Pomatiasidae						
	Pomatias elegans			WT/NBN		Local
Pristilomatidae						

	Vitrea contracta			NBN	1968	
	Vitrea crystallina			NBN	1968	
Punctidae						
	Punctum pygmaeum			NBN	1968	
Pupillidae						
	Pupilla muscorum			NBN	1895	
Pyramidulidae						
	Pyramidula rupestris			WT		Local
	Pyramidula pusilla			NBN	1899	
Succineidae						
	Oxyloma elegans		1	NBN	1965	
	Succinea putris			NBN	1895	
Unionidae						
	Anodonta anatina		1	NBN	1909	
	Pseudanodonta complanata			NBN	2005	
Valloniidae						
	Acanthinula aculeata			NBN	1968	
	Vallonia costata			WT		
	Vallonia excentrica			NBN	1968	
Vertiginidae						
	Vertigo pygmaea			WT/NBN		
	Columella edentula		1	NBN	1965	
Vitrinidae						
	Vitrina pellucida	n/a		WT/NBN		
	Trochulus hispidus	Hairy Snail		ID		
	Phenacolimax major	Greater Pellucid Snail		HBRC/NBN	1976	Local
Zonitidae						
	Vitrea contracta			WT		
<i>Total Terrestrial Snails</i>	<i>54 species</i>	<i>Doward 39</i>	<i>plus</i>	<i>SO51</i>	<i>15</i>	
Aquatic Snails						
Bithyniidae						
	Bithynia tentaculata		1	NBN	2015	
Lymnaeidae						
	Galba truncatula		1	NBN	1965	
	Radix balthica		1	NBN	2015	
Neritidae						
	Theodoxus fluviatilis		1	NBN	2015	
Planorbidae						
	Ancylus fluviatilis		1	NBN	1895	
	Anisus vortex		1	NBN	1965	
	Anisus leucostoma		1	NBN	1910	
	Gyraulus crista		1	NBN	1895	
	Hippeutis complanatus		1	NBN	1965	
	Planorbis planorbis			NBN	1895	
Tateidae						
	Potamopyrgus antipodarum		1	NBN	2015	
Valvatidae						
	Valvata piscinalis			NBN	1965	

Slugs

Agriolimacidae

<i>Deroceras invadens</i>	Tramp Slug	1	NBN	1965
<i>Deroceras reticulatum</i>	Field or Netted Slug	1	NBN	1965

Arionidae

<i>Arion ater</i>	Large Black Slug		ID	
<i>Arion flagellus</i>	Green-soled Slug		NBN	
<i>Arion hortensis</i>	Garden Slug		ID	
<i>Arion circumscriptus silvaticus</i>	Silver False-keeled Slug		NBN	
<i>Arion subfuscus</i>	Dusky Slug	1	NBN	1965
<i>Arion intermedius</i>	Hedgehog Slug	1	NBN	1965
<i>Arion distinctus</i>	Brown Soil Slug		NBN	1965
<i>Arion fasciatus</i>	Rusty False-keeled Slug		NBN	1965

Limacidae

<i>Lehmannia marginata</i>	Tree Slug		NBN	
<i>Limax maximus</i>	Leopard Slug		NBN	
<i>Limax cinereoniger</i>	Ash-black Slug		NBN	
<i>Limacus maculatus</i>	Green Cellar or Irish Yellow Slug		ID	
<i>Malacolimax tenellus</i>	Lemon Slug		NBN	1965

Milacidae

<i>Tandonia sowerbyi</i>	Sowerby's Keeled Slug		NBN	
<i>Tandonia (Milax) budapestensis</i>	Budapest Slug		NBN	
<i>Milax gagates</i>	Smooth Jet Slug	NBN 1	NBN	
<i>Selenochlamys ysbryda</i>	The Ghost Slug		iRec	

AQUATIC Bivalves

Sub-Total 12 10 in SO51

Sphaeriidae

<i>Pisidium supinum</i>		1	NBN	1920
<i>Pisidium casertanum</i>		1	NBN	1920
<i>Pisidium amnicum</i>			NBN	1965
<i>Pisidium subtruncatum</i>		1	NBN	1920
<i>Pisidium personatum</i>		1	NBN	1965
<i>Pisidium pulchellum</i>			NBN	1920
<i>Pisidium moitessierianum</i>		1	NBN	1920
<i>Pisidium henslowanum</i>		1	NBN	1920
<i>Pisidium nitidum</i>			NBN	1965
<i>Sphaerium rivicola</i>			NBN	1930
<i>Sphaerium corneum</i>		1	NBN	1965

Unionidae

<i>Unio tumidus</i>		1	NBN	?
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Mollusc species Total = 97

3.13 Checklist of subphylum Crustacea – Woodlice and freshwater shrimps

Class Malacostraca

Sub-order Isopoda - Woodlice and Waterlice

Oniscidea – Terrestrial Woodlice

Trichoniscidae

<i>Androniscus dentiger</i>	Rosy Woodlouse	M	
<i>Haplophthalmus danicus</i>	Spurred Ridgeback	M	local
<i>Trichoniscus pusillus agg</i>	Pygmy Woodlouse	M	
<i>Trichoniscus pygmaeus.</i>	Least Pygmy Woodlouse	NBN	

Oniscidae

<i>Oniscus asellus</i>	Common Shiny Woodlouse	M	
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Philoscidae

<i>Philoscia muscorum</i>	Common Striped Woodlouse	M	
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Armadillidiidae

<i>Armadillidium vulgare</i>	Common Pill Woodlouse	M	
<i>Armadillidium depressum</i>	Southern Pill Woodlouse	M	
<i>Armadillidium pictum</i>	Mottled Pill Woodlouse	NBN	Rare

Porcellionidae

<i>Porcellio scaber</i>	Common Rough Woodlouse	M	
<i>Porcellio spinicornis</i>	Painted Woodlouse	M	local

Platyarthridae

<i>Platyarthrus hoffmannseggii</i>	Ant Woodlouse	M	
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Total 12 species

Sub-order Amphipoda

Gammaeridae

<i>Gammarus pulex agg.</i>	Freshwater Shrimp		ID
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Crangonyctidae

<i>Crangonyx pseudogracilis</i>	Freshwater Shrimp		HBRC
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Sub-order Decapoda

Astacidae

<i>(Austropotamobius pallipes</i>	White-clawed Crayfish	EN	HBRC. local status unclear)
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Plus other microscopic groups such as Copepoda e.g Daphniidae

3.14 Sub-phylum Myriapoda – Diploda (Millipedes) and Chilopoda (Centipedes)

Millipedes - Diplopoda

		UK Status	Source
Glomeridae			
<i>Glomeris marginata</i>	Pill Millipede	LC	ID, WT
Brachychaeteumatidae			
<i>Brachychaeteuma melanops</i>		LC. NS	NBN
Craspedosomatidae			
<i>Craspedosoma rawlinsii</i>		LC. NS	NBN
<i>Nanogona polydesmoides</i>		LC	NBN
Chordeumatidae			
<i>Chordeuma proximum</i>		LC	NBN
<i>Melogona gallica</i>		LC	NBN, WT
<i>Melogona scutellaris</i>		LC	NBN
Polydesmidae			
<i>Brachydesmus superus</i>		LC	NBN
<i>Polydesmus angustus</i>		LC	NBN
<i>Ophiodesmus albonanus</i>		LC	NBN
Blaniulidae			
<i>Proteroiulus fuscus</i>		LC	NBN
<i>Blaniulus guttulatus</i>		LC	NBN
Nemasomatidae			
<i>Nemasoma varicorne</i>		LC	NBN
Julidae			
<i>Julus scandinavicus</i>		LC	NBN
<i>Ophiulus pilosus</i>		LC	NBN
<i>Cylindroiulus caeruleocinctus</i>		LC	NBN
<i>Cylindroiulus punctatus</i>		LC	NBN
<i>Tachypodoiulus niger</i>	White-legged Millipede	LC	NBN

Note: Some records refer to SO51 and not specifically the Dward.

Centipedes – Chilopoda

Himantariidae			
<i>Haplophilus (Stigmatogaster) subterraneus</i>		LC	ID
Geophilidae			
<i>Geophilus flavus</i>		LC	ID
Schendylidae			
<i>Schendyla nemorensis</i>		LC	ID
Cyptopsidae			
<i>Cryptops hortensis</i>		LC	NBN
<i>Lithobius forficatus</i>		LC	ID
<i>Lithobius melanops</i>		LC	ID
<i>Lithobius microps</i>		LC	ID
<i>Lithobius variegatus</i>		LC	NBN

3.15. Checklist of phylum Entognatha: Non-insect Hexapods

Note: All records should be considered unverified.

Class (Order) Collembola – Springtails		Source	
(sub)Order Poduromorpha			
Entomobryidae			
	<i>Entomobrya albocincta</i>		ID
	<i>Orchesella cincta</i>		ID
	<i>Orchesella villosa</i>		ID
	<i>Tetradontophora bielensis</i> prov.		ID
Tomoceridae			
	<i>Tomocerus minor</i>		ID
	<i>Tomocerus longicornis</i>		ID
Cyphoderidae			
	<i>Cyphodoerus albinus</i>		ID
Neanuridae			
	<i>Neamura muscorum</i>		ID
	<i>Monobella grassei</i>		ID
Onychiuridae			
	<i>Deuteraphora inermis</i>		ID
Isotomidae			
	<i>Folsomia candida</i>		ID
(sub)Order Neelipleona			
Dicyrtomidae			
	<i>Dicyrtomina saundersi</i> ag.	taxonomic status unclear	ID
Katiaanidae			
	<i>Sminthurinus aureus</i> ag		ID
	possibles	<i>Lepidocyrtus lanuginosus</i> <i>Schaefferia emucronata</i>	SO51 NBN
Class (Order) Diplura Two-pronged Bristletails			
	n/a	<i>Campodea</i> sp	ID

3.16 Annelids, Nematodes, Platyhelminths and allies

Phylum Annelida

Earthworms

Oligochaeta

Lobworm

Red worm

Lumbricus terrestris

Lumbricus rubella

Phylum Nemotoda

Nematode Worms

Seen but none determined to family or species

Phylum Nematomorpha

Gordiacea

Gordian or Horsehair Worms

probably *Gordius aquaticus*

found in garden pond.

ID

Phylum Platyhelminths

Freshwater Planarian

Planarians, Leaches and Flukes

Polycelis nigra sl

Section 4. Vertebrates – Mammals, Birds Reptiles & Amphibians and Fish.

4.1 Checklist of Mammal – Page 88.



4.2 Checklist of Birds – Page 90.



4.3 Checklist of Reptiles & Amphibians – Page 93.



4.4 Checklist of Fish – Page 94.



4.1. Checklist of Mammals

Order Insectivora

Soricidae

Common Shrew	<i>Sorex eraneus</i>	Frequent
Pygmy shrew	<i>Sorex minutus</i>	Suspected but unconfirmed based on size.

Talpidae

Common Mole	<i>Talpa europaeus</i>	Frequent lower Ground
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Erinaceidae

European Hedgehog	<i>Erineceus europaeus</i>	Regular but not common.
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Order Lagomorpha – Rabbits and Hares

Rabbit	<i>Oryctolegus cuniculus</i>	Frequent
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Order Chiroptera - Bats

Sporano pipistrelle	<i>Pipistrellus pygmaeus</i>	Common
Common pipistrelle	<i>Pipistrellus pipistrellus</i>	Common
Western Barbastelle	<i>Barbastella barbastella</i>	Reported by Bat Group
Daubenton's Bat	<i>Leuconoe daubentonii</i>	Near River
Lesser Horseshoe Bat	<i>Rhinolophus hipposideros</i>	Frequent Near Threatened
Greater Horseshoe Bat	<i>Rhinolophus ferrum-equinum</i>	Regularly encountered. Near Threatened
Whiskered Bat	<i>Myotis mystacinus</i>	Reported NBN
Natterer's Bat	<i>Myotis nattereri</i>	Reported NBN
Brown Long-eared Bat	<i>Plecotus auritus</i>	Regular
Noctule	<i>Nyctalus noctule</i>	Regular
Serotine	<i>Eptesicus serotinus</i>	Regular

Order Rodentia - Rodents

Bank Vole	<i>Clethrionomys glareolus</i>	Common
Field Vole	<i>Microtus agrestis</i>	Status unclear
Yellow-necked Mouse	<i>Sylvaemus flavicollis</i>	Common
Wood Mouse	<i>Sylvaemus sylvaticus</i>	Believed common. Local status confused with above.
House Mouse	<i>Mus musculus</i>	Occasional. Synanthropic.
Brown rat	<i>Rattus norvegicus</i>	Regular formerly abundant. Largely synanthropic.
Hazel Dormouse	<i>Muscardinus avellanarius</i>	Resident. Population unknown
Grey squirrel	<i>Neosciurus carolinensis</i>	Abundant.

Order Artiodactyla – Even-toed Ungulates

Fallow Deer	<i>Dama dama</i>	Resident
Roe Deer	<i>Capreolus capreolus</i>	Resident
Reeve's Muntjac Deer	<i>Muntiacus reevesi</i>	Now resident
Wild Boar	<i>Sus scrofa</i>	Occasional visitor from over the river

Order Carnivora - Carnivores

Red Fox	<i>Vulpes vulpes</i>	Resident
Polecat	<i>Mustela putorius</i>	Present status unknown. (Trailcam Miner's Rest NR)
(European) Badger	<i>Meles meles</i>	Resident
(European) Otter	<i>Lutra lutra</i>	Occasional, maybe regular on River Wye.
Stoat	<i>Mustela erminea</i>	Regular
(Least) Weasel	<i>Mustela nivalis</i>	Regular
American Mink	<i>Neovison vison</i>	Present on river (at least until 2021)

Notes:

Radio tracked Pine Marten believed to have crossed the Doward from their release site in Forest of Dean. Also, there are other unconfirmed sightings.

Polecat also found dead on A40 road near Ganarew.

Muntjac Deer were first noted in 2014 and now seem to have a significant settled population across the Doward.

Water Voles may have occurred along parts of the Wye in the past and were present in Whitchurch parish until 1964.

Brown Hare has doubtless occurred in the parish and perhaps still does but is unlikely to visit the higher wooded terrain of the Doward.

There is a bizarre record of an Atlantic Grey Seal seen and photographed at Symonds Yat following winter floods in 2014. It apparently spent a few weeks in Monmouth. (Ref. Lower Wye Valley AONB website).

4.2. Checklist of Birds

British vernacular names, scientific names and status as given in BOU British List (2020), however, official taxonomic sequence is not followed here.

Species that are resident, regular or occasional visitors since 2000.

Vernacular and scientific name	UK Status	Comment
Mute Swan <i>Cygnus olor</i>	AC2	Resident along river
Canada Goose <i>Branta canadensis</i>	AC2E*	Resident non-native along river
Greylag Goose <i>Anser anser</i>	AC2C4E*	Occasional with Canada Geese
Mallard <i>Anas platyrhynchos</i>	AC2C4E*	Resident along river
Teal <i>Anas crecca</i>	A	Occasional on river or fly-over
Mandarin Duck <i>Aix galericulata</i>	C1E*	Regular up to 50
Goosander <i>Mergus merganser</i>	A	On river esp. late winter
Pheasant <i>Phasianus colchicus</i>	C1E*	Frequent. Feral - released stock.
Red-legged Partridge <i>Alectoris rufa</i>	C1E*	Occasional. Feral - released stock.
Cormorant <i>Phalacrocorax carbo</i>	A	Frequent on river and as fly-over.
Grey Heron <i>Ardea cinerea</i>	A	Regular around River
Little Egret <i>Egretta garzetta</i>	A	Now regular along river
Common Buzzard <i>Buteo buteo</i>	AE*	Resident and commonly seen.
Red Kite <i>Milvus milvus</i>	AC3E*	Regular sightings
Sparrowhawk <i>Accipiter nisus</i>	A	Frequent
Goshawk <i>Accipiter gentilis</i>	AC3E*	Regular
Peregrine Falcon <i>Falco peregrinus</i>	AE	Regular overhead or in quarries
(Common) Kestrel <i>Falco tinnunculus</i>	A	Occasional
(Eurasian) Hobby <i>Falco subbuteo</i>	A	Occasional in summer
Moorhen <i>Gallinula chloropus</i>	A	Occasional on river
Woodcock <i>Scolopax rusticola</i>	A	Former breeder now winter occasional.
Curlew <i>Numenius arquata</i>	A	Occasional overhead.
Common Sandpiper <i>Actitis hypoleucos</i>	A	Occasional along river
Lapwing <i>Vanellus vanellus</i>	A	Formerly regular now scarce flying over
Lesser Black Backed Gull <i>Larus fuscus</i>	A	Commonly seen by river/overhead
Greater Black backed gull <i>Larus marinus</i>	A	Occasional fly-over (hard to confirm).
Common Gull <i>Larus canus</i>	A	Regular fly-over or on lower fields.
Herring Gull <i>Larus argentatus</i>	A	Frequent flyover
Black-headed gull <i>Chroicocephalus ridibundus</i>	A	Regular flyover
Wood Pigeon <i>Columba palumbus</i>	A	Common resident
Stock Dove <i>Columba oenas</i>	A	Frequent resident
Collared Dove <i>Streptopelia decaocto</i>	A	Frequent near lower dwellings
Cuckoo <i>Cuculus canorus</i>	A	Now occasional non-breeder.
Tawny Owl <i>Strix aluco</i>	A	Frequent resident
Common Swift <i>Apus apus</i>	A	Regular visitor in variable numbers

Green Woodpecker	<i>Picus viridis</i>	A	Frequent resident
Great Spotted Woodpecker	<i>Dendrocopos major</i>	A	Common resident.
Lesser Spotted Woodpecker	<i>Dryobates minor</i>	A	Elusive resident in very small numbers.
Kingfisher	<i>Alcedo atthis</i>	A	Frequent along River
(Barn) Swallow	<i>Hirundo rustica</i>	AE	Frequent in summer
House Martin	<i>Delichon urbicum</i>	A	Frequent in summer
Sand Martin	<i>Riparia riparia</i>	A	Regular visitor along river
Pied Wagtail	<i>Motacilla alba</i>	A	Resident
Grey Wagtail	<i>Motacilla cinerea</i>	A	Resident
Tree Pipit	<i>Anthus trivialis</i>	A	Summer visitor in small numbers
Meadow Pipit	<i>Anthus pratensis</i>	A	Regular migrant
Skylark	<i>Alauda arvensis</i>	A	Regular overhead migrant
Dipper	<i>Cinclus cinclus</i>	A	Occasional from river
Dunnock	<i>Prunella modularis</i>	A	Common resident
Robin	<i>Erithacus rubecula</i>	A	Common resident
(Common) Redstart	<i>Phoenicurus phoenicurus</i>	A	A few pairs breed on Little Doward
Stonechat	<i>Saxicola rubicola</i>	A	Occasional visitor. 2022 a pair on Little Doward
(Northern) Wheatear	<i>Oenanthe oenanthe</i>	A	Occasional on passage esp. Little Doward
Blackbird	<i>Turdus merula</i>	A	Common resident
Song thrush	<i>Turdus philomelos</i>	A	Common resident
Mistle thrush	<i>Turdus viscivorus</i>	A	Resident in small numbers
Redwing	<i>Turdus iliacus</i>	A	Winter visitor with notable spring gatherings.
Fieldfare	<i>Turdus pilaris</i>	A	Winter visitor in variable numbers
Cetti's Warbler	<i>Cettia cetti</i>	A	Occasional on riverbank
Garden warbler	<i>Sylvia borin</i>	A	Regular breeder in small numbers esp. by river
Willow warbler	<i>Phylloscopus trochilus</i>	A	Regular breeder in small numbers
Wood warbler	<i>Phylloscopus sibilatrix</i>	A	Declining summer breeder in Lords Wood
Chiffchaff	<i>Phylloscopus collybita</i>	A	Common summer visitor
Blackcap	<i>Sylvia atricapilla</i>	A	Common summer visitor
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	A	Occasional visitor
Common Whitethroat	<i>Curruca communis</i>	A	Summer visitor in small numbers
Lesser Whitethroat	<i>Curruca curruca</i>	A	Occasional visitor
Goldcrest	<i>Regulus regulus</i>	A	Common resident
Firecrest	<i>Regulus ignicapilla</i>	A	Uncommon visitor.
Wren	<i>Troglodytes troglodytes</i>	A	Common resident
Spotted Flycatcher	<i>Muscicapa striata</i>	A	Regular breeder in small numbers
Pied flycatcher	<i>Ficedula hypoleuca</i>	A	Visitor & scarce breeder (2+ pairs in 2017)
Blue tit	<i>Cyanistes caeruleus</i>	A	Common resident
Great tit	<i>Parus major</i>	A	Common resident.
Marsh tit	<i>Poecile palustris</i>	A	Fairly common resident
Coal tit	<i>Periparus ater</i>	A	Common resident
Long-tailed Tit	<i>Aegithalos caudatus</i>	A	Common resident
Tree creeper	<i>Certhia familiaris</i>	A	Fairly common resident
Nuthatch	<i>Sitta europaea</i>	A	Fairly common resident

Jay	<i>Garrulus glandarius</i>	A	Fairly common resident
Magpie	<i>Pica pica</i>	A	Resident in lower areas uncommon on top.
Jackdaw	<i>Coloeus monedula</i>	A	Resident
Carrion Crow	<i>Corvus corone</i>	A	Common resident
Rook	<i>Corvus frugilegus</i>	A	Visitor to lower fields and flyover
Raven	<i>Corvus corax</i>	A	Regular visitor in small numbers
Starling	<i>Sturnus vulgaris</i>	A	Frequent, mainly in lower areas.
House Sparrow	<i>Passer domesticus</i>	A	Frequent in small groups.
Crossbill	<i>Loxia curvirostra</i>	A	Regular in small numbers esp. winter.
Hawfinch	<i>Coccothraustes coccothraustes</i>	A	Occasional in small groups. May have bred.
Bullfinch	<i>Pyrrhula pyrrhula</i>	A	Frequent
Greenfinch	<i>Chloris chloris</i>	A	Frequent
Chaffinch	<i>Fringilla coelebs</i>	A	Common in variable numbers
Goldfinch	<i>Carduelis carduelis</i>	A	Common Resident
Brambling	<i>Fringilla montifringilla</i>	A	Regular in small numbers usually late winter
Siskin	<i>Spinus spinus</i>	A	Frequent resident
Lesser Redpoll	<i>Acanthis cabaret</i>	A	Regular
Linnet	<i>Linaria cannabina</i>	A	Regular
Reed Bunting	<i>Emberiza schoeniclus</i>	A	Regular in riverside scrub

Doward Total 97 species

Additional species reported either as rare visitors or regulars just outside the Doward

Whooper Swan	<i>Cygnus cygnus</i>	Ae	Near Goodrich bridge (2016)
Common Snipe	<i>Gallinago gallinago</i>	A	Lewstone Feb'22
Gargany	<i>Spatula querquedula</i>	A	Reported. Lewstone (ca. 2017 pers com)
Little Owl	<i>Athene noctua</i>	C1E*	Farmland reported. Huntsham, Lewstone
Yellow Wagtail	<i>Motacilla flava</i>	C	Flyover open areas
Hoopoe	<i>Upupa epops</i>	AE	Reported 2003 HBRC
Grasshopper Warbler	<i>Locustella naevia</i>	A	One Report.
Yellowhammer	<i>Emberiza citrinella</i>	A	Scarce flyover

Additional species reported prior to year 2000.

Nightjar	<i>Caprimulgus europaeus</i>	A	Reported in 1970s
Nightingale	<i>Luscinia megarhynchos</i>	A	Reported to be present until 1970's

4.3 Checklist of Reptiles and Amphibians

Class Amphibia.

Order Arodela - Tailless Amphibians

Bufonidae – True Toads

Common Toad	<i>Bufo bufo</i>	Common throughout.
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Ranidae – Typical Frogs

Common Frog	<i>Rana temporaria</i>	Frequently found.
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Order Anura – Tailed Amphibians

Salamandridae - Newts and salamanders

Smooth (Common) Newt	<i>Triturus vulgaris</i>	Frequent ponds but true status unclear
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Palmate Newt	<i>Triturus heveticus</i>	Common ponds.
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Great (Northern) Crested Newt	<i>Triturus cristatus</i>	Status unclear. 1 old Whitchurch record
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Class Reptilia

Order Squamata – Snakes and Lizards

Lacertidae – Typical Lizards

Common (Viviparous) Lizard	<i>Zootoca vivipara</i>	Status unclear. Occurs nearby.
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Anguidae – Slow Worms

Slow Worm	<i>Anguis fragilis</i>	Common
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Columbridae – Typical Snakes

Grass Snake	<i>Natrix natrix</i>	Frequent
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Viperidae - Vipers

Adder	<i>Viperus berus</i>	Status unclear. Occurs nearby.
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Taxonomy and nomenclature reference Kwet, A. (2009). European Reptile and Amphibian Guide. New Holland Publishers.

4.4 Checklist of Fish:

Superclass Agnatha – Jawless Fish. Class Cephalaspidomprphi

Petromyzonidae - Lampreys

Sea Lamprey	<i>Petromyzon marinus</i>
River Lamprey	<i>Lampetra fluviatilis</i>
Brook Lamprey	<i>Lampetra planeri</i>

Superclass Gnathostomata – Jawed Fish. Class Chondrichthyes

Anguillidae

European Eel	<i>Anguilla anguilla</i>
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Clupeidae

Twaite Shad	<i>Alosa fallax.</i>
Allis Shad	<i>Alosa alosa</i>

Esocidae

Pike	<i>Esox lucius.</i>
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Salmonidae

Atlantic Salmon	<i>Salmo salar</i>
Brown Trout	<i>Salmo trutta</i>
Grayling	<i>Thymallus thymallus</i>

Cyprinidae

Barbel	<i>Barbus barbus</i>
Gudgeon	<i>Gobio gobio</i>
Roach	<i>Rutilus rutilus,</i>
Chub	<i>Squalius cephalus</i>
Dace	<i>Leuciscus leuciscus</i>
Minnow	<i>Phoxinus phoxinus</i>

Percidae

Perch	<i>Perca fluviatilis</i>
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Cottidae

Bullhead	<i>Cottus gobio</i>
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Cobitidae

Stone Loach	<i>Barbatula barbatula.</i>
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Scomberesocidae

Skipper	<i>Scomberesox saurus.</i>
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Pleuronectidae

Flounder	<i>Platichthys flesus</i>
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All records here come from surveys of the Wye by the Environment Agency via NBN. Edwards & Brooker (1982) in their book *The Ecology of the Wye* claim 29 fish species in the Wye catchment. Taxonomy and nomenclature follow Miller, PJ et al (1997). *Fish of Britain and Europe*. Collins.

