

Haslemere BioBlitz 2019

Report

Introduction

The first Haslemere BioBlitz took place in the period 28-30th June 2019, targeting the area within 1km of Haslemere Town Hall, and was organised by Haslemere Natural History Society (HNHS). There was particular focus on the grounds of Haslemere Educational Museum and the National Trust's Swan Barn Farm, with support from those two organisations. The intention was to involve invited experts, HNHS members and the general public in the search for as many species of macroscopic organisms as possible. The purposes of the event were both a) scientific – to establish a base-line of data and potentially to discover species of conservation significance; and b) educational – to involve and enthuse people in the study of our local biodiversity.

Methods

Schedule

The event compiled records of species sighted in the period 10.00am Friday 28th June to 10.00am Sunday 30th June. Records from HNHS members, invited experts and the general public were welcomed for the whole of that period, but there were thematic events on these days for HNHS members and/or the public that also generated data.

On 28th June, the weather was sunny but breezy. 29th June was very warm, and was followed by a warm, humid night.

Field Techniques

In addition to general observation and searches, the following focussed techniques were used:

Camera trap: an infra-red "trail camera" was used in the Museum grounds and in woodland close to Swan Barn Farm.

Bat detectors: heterodyne detectors were used during a bat walk at Swan Barn Farm; an ultra-sound recording and automatic diagnosis system was used overnight at a Haslemere house as well as during the bat walk.

Moth traps: a Skinner trap with actinic light source was sited at the Museum on the first night, and then adjacent to Swan Barn Farm on the second night; a Robinson trap with Mercury vapour bulb was sited just inside woodland close to Swan Barn Farm on the second night only.

Pitfall traps: a number of plastic cups were sunk under trees in the Museum's grounds.

Sweep nets: these were deployed largely along hedgerows and in meadows during insect-themed public and HNHS events in the Museum grounds and on Swan Barn Farm land.

Pond "dipping": nets were used in the large pond in the Museum grounds.

Small mammal footprint tunnel: a cardboard tube with ink pads to record small mammals was baited with sunflower seeds (for rodents) and cat food (for hedgehogs) and deployed in the Museum grounds, but was destroyed by a domestic cat.

Omissions

Small mammal traps such as the Longworth were not used due to the chance of mortality; as the footprint tunnel failed, there was no survey of small mammals.

A survey of lichens was intended at key sites (such as St Bartholomew's churchyard), but did not occur due to time constraints.

Some mosses and fungi were noted, but the time of year is not the best for these groups, so detailed surveys were not planned.

Other groups were not well surveyed due to limitations of expertise and time; these included the smaller diptera and parasitic wasps. An authority on earthworms was invited but was unable to attend.

Personnel

The following were the main contributors to the species list, with their principal areas of expertise. (The indicated initials are used in the following text and Appendix).

Matt Bramich (MB): moths

June Chatfield (JC): gastropods

Scotty Dodd (SD): insects

Mike Lawn (ML): insects and birds

Keith Lugg (KL): isopods and myriapods

Simon Moore (SM): arachnids

Judith Moss (JM): vascular plants

Martyn Phillis (MP): bats

Andy Swan (AS): vascular plants

Results

Biological Data

512 species were recorded; these are listed in the Appendix. This includes a few specimens that were not identified to species level (whilst ensuring no double-counting). A summary of the observations in major categories of organisms follows.

Mammals: The 14 species of mammal found included seven species of bat detected by MP, including the rare Western Barbastelle. The overnight camera trap yielded a fox in the grounds of the museum and a badger in woods near Swan Barn Farm.

Birds: The 27 species seen did not include any surprises. Hirundines were notably absent, and just one party of seven Swifts were observed. Other notable absences were House Sparrow and Chaffinch, both species still recovering after regional population crashes.

Lepidoptera: Among the 86 species recorded were ten common species of butterfly, of which only the Meadow Brown was seen in numbers. Hopes of finding Purple Emperors or White Admirals were not realised. The moth records were nearly all from light traps, and the vast majority of these were from Swan Barn Farm on the second night (the light trap at the museum yielded just four species). The moths included the spectacular Privet Hawkmoth and a number of less common species, such as Poplar Lutestring, Treble Brown Spot, Scorched Wing, Great Oak Beauty (nationally scarce), Coronet, Triple-spotted Clay and the micromoth *Pandemis dumetana*. The predominant general habitat affinities were damp oak woodland plus a damp grassland component.

Other insects: The variety of other insect species recorded was largely the product of sweeping in the museum grounds by SD and in Swan Barn Farm hedgerows by ML. Highlights were the uncommon “picture-wing” fly *Rivellia syngenesiae* and the Umbellifer Longhorn Beetle *Phytoecia cylindrica*, both in the Museum grounds. However, the general impression of surveyors was that flying insects were not as abundant as expected.

Other invertebrates: The expertise of SM was largely responsible for a list of 25 spiders, including the infrequent *Pirata hygrophilus*. The marshy slope below Haslemere Town Well was the source of many of these records. KL is a national authority on isopods and myriapods, and he was the major contributor to a healthy list of six woodlice, three centipede and three millipede species, but none of these were unusual. The search for terrestrial and freshwater gastropods by JC was the basis of a total of 25 species. The damp slope just referred to was a significant habitat for these, and a specimen of *Oxyloma* found here may prove to be the rare *O. sarsi*, a first for Surrey, but this is still subject to confirmation.

Plants: The vascular plant list has 204 species. Of these, 33 are non-native (mostly garden escapes), which is unsurprising considering the inclusion of Haslemere town in the survey area. The list is dominated by common species, but Trailing Tormentil *Potentilla anglica* is a significant record – a new record for the tetrad. The botanically richest habitats were the damp meadows, ditches and streamsides. Although non-native, Himalayan Honeysuckle *Leycesteria formosa* and Himalayan Knotweed *Persicaria wallichii* are interesting and unusual records.

The species list will be sent to the Surrey Biodiversity Information Centre, who have agreed to add the data to the national database.

Education and Outreach

The involvement of the public was disappointing, with very few tickets sold for the organised events, and few casual “drop-ins” to the Museum. The reasons for this are unclear: the advance publicity was of good quality and used diverse media. However, those who did join in (all in SD’s event in the museum grounds) had a high-quality and productive event.

Hopefully, wildlife awareness in Haslemere was enhanced by the follow-up double-page article in the Herald newspaper.

Summary for Haslemere Educational Museum

Surveyors reported a good range of diverse organisms associated with the damper areas on the lower slopes of the grounds. The pond appears to support a rich ecosystem, including newts and the spectacular Great Diving Beetle. The Small China-mark and Bulrush Wainscot moths that were recorded as flying adults have larval stages that feed on pond vegetation. The damper lower parts of the “meadow” area (beyond the ha-ha) yielded the uncommon picture-wing fly and longhorn beetle referred to above, but the drier parts were thought to be quite disappointing. The light trap set up at the back of the Museum yielded the interesting and uncommon Lobster and Scorched Wing moths, both associated with deciduous trees, along with Heart & Club moths, which is a common grassland species; the list of just four species represents a very poor yield for the time of year. Very few birds were seen using the grounds.

It is recommended that the current pond management regime is continued, but that the “meadow” could be better managed as a wildflower meadow, with consequent benefits to insects and other wildlife. This could be both an attractive feature and an educational resource for visiting children.

Summary for Swan Barn Farm

The most productive habitats in Swan Barn Farm’s land were the damper areas. The dominant habitat with which the less common moths were associated was found to be damp oak woodland, plus to a lesser extent damp grassland. The light traps demonstrated a healthy abundance of insects, and this is no doubt the basis for the occurrence of the seven bat species, including the rare Western Barbastelle.

The drier parts of the fields were generally not very biodiverse, although it is likely that their current state represents a recovery from a history of drainage and application of agro-chemicals. There are some fine hedgerows, and the trackside ditch between the pond and the farm has a good selection of plants. However, the most interesting area, according to several specialists, is the marshy slope east of the spring/seep line (at the boundary of the Lower Greensand and Atherfield Clay) between Town Well and the museum grounds. This was the best site for arachnids and terrestrial gastropods, and it is thought that the flora, which is already interesting, has potential to develop further with sympathetic management.

Dr Andy Swan
President, Haslemere Natural History Society
4/10/19

Appendix: List of Species

| Species | English name | (for count) | recorder | Museum | Swan Barn Farm | other locations | notes |
|--|-----------------------------|-------------|----------|--------|----------------|-----------------|------------|
| BRYOPHYTES | | | | | | | |
| <i>Marchantia polymorpha</i> | | 1 | JC | 1 | | | |
| <i>Polytrichum</i> sp. | | 1 | AS | | | 1 | |
| <i>Rhytidiadelphus triquetrum</i> | | 1 | AS | | | 1 | |
| VASCULAR PLANTS | | | | | | | |
| <i>Equisetum arvense</i> | Field Horsetail | 1 | JC | | 1 | | |
| <i>Pteridium aquilinum</i> | Bracken | 1 | AS | | | 1 | |
| <i>Asplenium scolopendrium</i> | Hart's-tongue | 1 | AS | 1 | | 1 | |
| <i>Asplenium trichomanes</i> | Maidenhair Spleenwort | 1 | AS | | | 1 | |
| <i>Asplenium ruta-muraria</i> | Wall-rue | 1 | AS | | | 1 | |
| <i>Athyrium filix-femina</i> | Lady-fern | 1 | PH | | | 1 | |
| <i>Dryopteris filix-mas</i> | Male-fern | 1 | JC | 1 | | | |
| <i>Dryopteris dilatata</i> | Broad Buckler-fern | 1 | JC | 1 | | | |
| <i>Polypodium interjectum</i> | Intermediate Polypody | 1 | AS | | | 1 | |
| <i>Taxus baccata</i> | Yew | 1 | AS | | | 1 | |
| <i>Chamaecyparis lawsoniana</i> | Lawson's Cypress | 1 | AS | | | 1 | non-native |
| <i>Papaver somniferum</i> | Opium Poppy | 1 | AS | | | 1 | non-native |
| <i>Meconopsis cambrica</i> | Welsh Poppy | 1 | AS | | | 1 | non-native |
| <i>Pseudofumaria lutea</i> | Yellow Corydalis | 1 | AS | | | 1 | non-native |
| <i>Clematis vitalba</i> | Traveller's-joy | 1 | AS | | | 1 | |
| <i>Ranunculus acris</i> | Meadow Buttercup | 1 | AS | | 1 | 1 | |
| <i>Ranunculus repens</i> | Creeping Buttercup | 1 | AS | 1 | 1 | 1 | |
| <i>Ranunculus flammula</i> | Lesser Spearwort | 1 | AS | | | 1 | |
| <i>Sedum forsterianum</i> | Rock Stonecrop | 1 | AS | | | 1 | non-native |
| <i>Sedum acre</i> | Biting Stonecrop | 1 | AS | | | 1 | |
| <i>Lotus corniculatus</i> | Common Bird's-foot-trefoil | 1 | AS | | 1 | 1 | |
| <i>Lotus pedunculatus</i> | Greater Bird's-foot-trefoil | 1 | AS | | 1 | 1 | |
| <i>Vicia cracca</i> | Tufted Vetch | 1 | AS | | 1 | | |
| <i>Vicia sativa</i> ssp. <i>sativa</i> | Common Vetch | 1 | JC | 1 | | | |
| <i>Melilotus altissimus</i> | Tall Melilot | 1 | AS | | | 1 | non-native |
| <i>Trifolium repens</i> | White Clover | 1 | AS | | | 1 | |
| <i>Trifolium campestre</i> | Hop Trefoil | 1 | JC | | | 1 | |
| <i>Trifolium dubium</i> | Lesser Trefoil | 1 | AS | | | 1 | |
| <i>Trifolium pratense</i> | Red Clover | 1 | AS | | | 1 | |
| <i>Ulex europaeus</i> | Gorse | 1 | AS | | | 1 | |
| <i>Prunus spinosa</i> | Blackthorn | 1 | AS | | 1 | | |
| <i>Cotoneaster horizontalis</i> | Wall Cotoneaster | 1 | AS | | | 1 | non-native |
| <i>Crataegus monogyna</i> | Hawthorn | 1 | AS | | 1 | 1 | |
| <i>Rubus idaeus</i> | Raspberry | 1 | AS | | | 1 | |
| <i>Rubus spectabilis</i> | Salmonberry | 1 | AS | | | 1 | non-native |
| <i>Rubus fruticosus</i> agg. | Bramble | 1 | AS | | 1 | 1 | |
| <i>Potentilla erecta</i> | Tormentil | 1 | AS | | | 1 | |
| <i>Potentilla anglica</i> | Trailing Tormentil | 1 | JM | | 1 | | uncommon |
| <i>Fragaria vesca</i> | Wild Strawberry | 1 | AS | | | 1 | |
| <i>Geum urbanum</i> | Herb Bennet | 1 | AS | | 1 | 1 | |
| <i>Agrimonia procera</i> | Fragrant Agrimony | 1 | AS | | 1 | | |
| <i>Alchemilla mollis</i> | Soft Lady's-mantle | 1 | AS | | | 1 | non-native |
| <i>Rosa arvensis</i> | Field-rose | 1 | AS | | 1 | | |
| <i>Rosa canina</i> | Dog-rose | 1 | AS | | | 1 | |
| <i>Frangula alnus</i> | Alder Buckthorn | 1 | AS | | | 1 | |
| <i>Urtica dioica</i> | Common Nettle | 1 | AS | | | 1 | |
| <i>Fagus sylvatica</i> | Beech | 1 | AS | | | 1 | |
| <i>Castanea sativa</i> | Sweet Chestnut | 1 | AS | | | 1 | non-native |
| <i>Quercus robur</i> | Pedunculate Oak | 1 | JC | | 1 | | |
| <i>Betula pendula</i> | Silver Birch | 1 | AS | | 1 | 1 | |
| <i>Betula pubescens</i> | Brown Birch | 1 | AS | | | 1 | |
| <i>Alnus glutinosa</i> | Alder | 1 | AS | | | 1 | |
| <i>Corylus avellana</i> | Hazel | 1 | AS | | 1 | 1 | |
| <i>Oxalis acetosella</i> | Wood-sorrel | 1 | AS | | | 1 | |
| <i>Euphorbia peplus</i> | Petty Spurge | 1 | AS | | | 1 | |
| <i>Salix caprea</i> | Goat Willow | 1 | AS | | 1 | | |

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|---|-------------------------------|---|----|---|---|---|------------|
| <i>Viola x wittrockiana</i> | Garden Pansy | 1 | AS | | | 1 | non-native |
| <i>Hypericum calycinum</i> | Rose-of-Sharon | 1 | AS | | | 1 | non-native |
| <i>Hypericum androsaemum</i> | Tutsan | 1 | AS | | 1 | 1 | |
| <i>Hypericum tetrapterum</i> | Square-stalked St John's-wort | 1 | AS | | 1 | | |
| <i>Hypericum pulchrum</i> | Slender St John's-wort | 1 | AS | | 1 | | |
| <i>Geranium pyrenaicum</i> | Hedgerow Crane's-bill | 1 | JC | 1 | | | non-native |
| <i>Geranium molle</i> | Dove's-foot Crane's-bill | 1 | JC | 1 | | | |
| <i>Geranium robertianum</i> | Herb-Robert | 1 | AS | | 1 | 1 | |
| <i>Epilobium hirsutum</i> | Great Willowherb | 1 | AS | | 1 | 1 | |
| <i>Epilobium parviflorum</i> | Hoary Willowherb | 1 | AS | | 1 | | |
| <i>Epilobium montanum</i> | Broad-leaved Willowherb | 1 | AS | | 1 | 1 | |
| <i>Epilobium lanceolatum</i> | Spear-leaved Willowherb | 1 | JM | | 1 | | |
| <i>Chamerion angustifolium</i> | Rosebay Willowherb | 1 | AS | | | 1 | non-native |
| <i>Circaea lutetiana</i> | Enchanter's-nightshade | 1 | AS | | 1 | 1 | |
| <i>Aesculus hippocastanum</i> | Horse Chestnut | 1 | AS | | | 1 | non-native |
| <i>Acer platanoides</i> | Norway Maple | 1 | AS | | | 1 | non-native |
| <i>Acer campestre</i> | Field Maple | 1 | AS | | 1 | 1 | |
| <i>Acer pseudoplatanus</i> | Sycamore | 1 | AS | | | 1 | non-native |
| <i>Capsella bursa-pastoris</i> | Shepherd's-purse | 1 | AS | | | 1 | |
| <i>Sisymbrium officinale</i> | Hedge Mustard | 1 | JC | | | 1 | |
| <i>Alliaria petiolata</i> | Garlic Mustard | 1 | AS | | | 1 | |
| <i>Persicaria hydropiper</i> | Water-pepper | 1 | JC | | 1 | 1 | |
| <i>Polygonum aviculare</i> | Knotgrass | 1 | JC | 1 | | | |
| <i>Rumex acetosella</i> | Sheep's Sorrel | 1 | JC | 1 | | | |
| <i>Rumex acetosa</i> | Common Sorrel | 1 | AS | | | 1 | |
| <i>Rumex crispus</i> | Curled Dock | 1 | AS | | | 1 | |
| <i>Rumex conglomeratus</i> | Clustered Dock | 1 | AS | | 1 | | |
| <i>Rumex sanguineus</i> | Wood Dock | 1 | JC | 1 | | | |
| <i>Stellaria media</i> | Common Chickweed | 1 | JC | | | 1 | |
| <i>Stellaria graminea</i> | Lesser Stitchwort | 1 | AS | | | 1 | |
| <i>Cerastium tomentosum</i> | Snow-in-Summer | 1 | AS | | | 1 | non-native |
| <i>Cerastium fontanum</i> | Common Mouse-ear | 1 | JC | 1 | | | |
| <i>Sagina apetala agg.</i> | Pearlwort | 1 | JC | | | 1 | |
| <i>Claytonia sibirica</i> | Pink Purslane | 1 | JC | 1 | | | non-native |
| <i>Impatiens glandulifera</i> | Indian Balsam | 1 | AS | | 1 | | non-native |
| <i>Primula vulgaris</i> | Primrose | 1 | JC | 1 | | | |
| <i>Lysimachia nemorum</i> | Yellow Pimpernel | 1 | AS | 1 | | | |
| <i>Rhododendron ponticum</i> | Rhododendron | 1 | AS | | | 1 | non-native |
| <i>Galium odoratum</i> | Woodruff | 1 | JC | 1 | | | |
| <i>Galium palustre</i> | Common Marsh-bedstraw | 1 | JC | 1 | | | |
| <i>Galium album</i> | Hedge Bedstraw | 1 | AS | | 1 | | |
| <i>Galium saxatile</i> | Heath Bedstraw | 1 | MP | | | 1 | |
| <i>Galium aparine</i> | Cleavers | 1 | AS | | 1 | 1 | |
| <i>Pentaglottis sempervirens</i> | Green Alkanet | 1 | AS | | | 1 | non-native |
| <i>Myosotis scorpioides</i> | Water Forget-me-not | 1 | AS | | | 1 | |
| <i>Calystegia sepium</i> | Hedge Bindweed | 1 | AS | | | 1 | |
| <i>Calystegia silvatica</i> | Large Bindweed | 1 | AS | | | 1 | |
| <i>Solanum dulcamara</i> | Bittersweet | 1 | AS | | | 1 | |
| <i>Fraxinus excelsior</i> | Ash | 1 | AS | | 1 | 1 | |
| <i>Digitalis purpurea</i> | Foxglove | 1 | AS | | 1 | 1 | |
| <i>Veronica montana</i> | Wood Speedwell | 1 | AS | | | 1 | |
| <i>Veronica beccabunga</i> | Brooklime | 1 | JC | | 1 | | |
| <i>Veronica serpyllifolia</i> | Thyme-leaved Speedwell | 1 | AS | | 1 | | |
| <i>Veronica chamaedrys</i> | Germander Speedwell | 1 | AS | | | 1 | |
| <i>Plantago major</i> | Greater Plantain | 1 | AS | | 1 | 1 | |
| <i>Plantago lanceolata</i> | Ribwort Plantain | 1 | AS | | 1 | 1 | |
| <i>Callitriche stagnalis sens. lat.</i> | Common Water-starwort | 1 | AS | | 1 | | |
| <i>Scrophularia nodosa</i> | Common Figwort | 1 | AS | | | 1 | |
| <i>Buddleja davidii</i> | Butterfly-bush | 1 | AS | | | 1 | non-native |
| <i>Stachys sylvatica</i> | Hedge Woundwort | 1 | AS | | 1 | 1 | |
| <i>Ajuga reptans</i> | Bugle | 1 | MP | | | 1 | |
| <i>Glechoma hederacea</i> | Ground-ivy | 1 | AS | | | 1 | |
| <i>Prunella vulgaris</i> | Selfheal | 1 | AS | 1 | | | |
| <i>Lycopus europaeus</i> | Gypsywort | 1 | AS | 1 | | | |
| <i>Melampyrum pratense</i> | Common Cow-wheat | 1 | AS | | | 1 | |
| <i>Rhinanthus minor</i> | Yellow Rattle | 1 | AS | | | 1 | |
| <i>Ilex aquifolium</i> | Holly | 1 | AS | | 1 | 1 | |
| <i>Campanula poscharskyana</i> | Trailing Bellflower | 1 | AS | | | 1 | non-native |
| <i>Arctium minus sens. lat.</i> | Lesser Burdock | 1 | MP | | | 1 | |
| <i>Cirsium palustre</i> | Marsh Thistle | 1 | AS | | 1 | 1 | |
| <i>Cirsium arvense</i> | Creeping Thistle | 1 | JC | | 1 | | |
| <i>Centaurea nigra</i> | Common Knapweed | 1 | AS | | 1 | 1 | |
| <i>Lapsana communis</i> | Nipplewort | 1 | AS | | | 1 | |
| <i>Hypochaeris radicata</i> | Cat's-ear | 1 | AS | | 1 | 1 | |
| <i>Sonchus oleraceus</i> | Smooth Sowthistle | 1 | AS | | | 1 | |
| <i>Sonchus asper</i> | Prickly Sowthistle | 1 | JC | 1 | | | |
| <i>Lactuca serriola</i> | Prickly Lettuce | 1 | AS | | | 1 | |

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|----------------------------------|--------------------------|---|----|---|---|---|---------------|
| <i>Mycelis muralis</i> | Wall Lettuce | 1 | AS | | | 1 | |
| <i>Taraxacum agg.</i> | Dandelion | 1 | AS | | | 1 | |
| <i>Pilosella officinarum</i> | Mouse-ear-hawkweed | 1 | JC | 1 | | | |
| <i>Pilosella aurantiaca</i> | Fox-and-cubs | 1 | AS | | | 1 | |
| <i>Erigeron karvinskianus</i> | Mexican Fleabane | 1 | AS | | | 1 | non-native |
| <i>Bellis perennis</i> | Daisy | 1 | AS | 1 | | | |
| <i>Achillea millefolium</i> | Yarrow | 1 | AS | | | 1 | |
| <i>Matricaria discoidea</i> | Pineappleweed | 1 | JC | | | 1 | |
| <i>Senecio jacobaea</i> | Common Ragwort | 1 | AS | | | 1 | |
| <i>Petasites fragrans</i> | Winter Heliotrope | 1 | JC | 1 | | | non-native |
| <i>Sambucus nigra</i> | Elder | 1 | AS | | 1 | | |
| <i>Viburnum opulus</i> | Guelder-rose | 1 | AS | | 1 | 1 | |
| <i>Symphoricarpos albus</i> | Snowberry | 1 | AS | | | 1 | non-native |
| <i>Leycesteria formosa</i> | Himalayan Honeysuckle | 1 | AS | | 1 | | non-native |
| <i>Lonicera periclymenum</i> | Honeysuckle | 1 | AS | | 1 | | |
| <i>Valeriana dioica</i> | Marsh Valerian | 1 | AS | | 1 | | |
| <i>Centranthus ruber</i> | Red Valerian | 1 | AS | | | 1 | non-native |
| <i>Dipsacus fullonum</i> | Wild Teasel | 1 | AS | | 1 | | |
| <i>Hedera helix</i> | Common Ivy | 1 | AS | | | 1 | |
| <i>Anthriscus sylvestris</i> | Cow Parsley | 1 | AS | | | 1 | |
| <i>Aegopodium podagraria</i> | Ground Elder | 1 | AS | | | 1 | |
| <i>Oenanthe crocata</i> | Hemlock Water-dropwort | 1 | AS | | | 1 | |
| <i>Apium nodiflorum</i> | Fool's-water-cress | 1 | AS | | 1 | | |
| <i>Angelica sylvestris</i> | Wild Angelica | 1 | JC | 1 | 1 | | |
| <i>Heracleum sphondylium</i> | Hogweed | 1 | AS | | 1 | 1 | |
| <i>Lysichiton americanus</i> | American Skunk-cabbage | 1 | AS | | 1 | | non-native |
| <i>Lemna minor</i> | Common Duckweed | 1 | JC | 1 | | | |
| <i>Potamogeton natans</i> | Broad-leaved Pondweed | 1 | AS | | 1 | | |
| <i>Tamus communis</i> | Black Bryony | 1 | AS | | 1 | 1 | |
| <i>Epipactis helleborine</i> | Broad-leaved Helleborine | 1 | AS | | 1 | | |
| <i>Dactylorhiza fuchsii</i> | Common Spotted-orchid | 1 | AS | | | 1 | |
| <i>Dactylorhiza maculata</i> | Heath Spotted-orchid | 1 | AS | | | 1 | |
| <i>Iris pseudacorus</i> | Yellow Iris | 1 | AS | | 1 | | |
| <i>Convallaria majalis</i> | Lily-of-the-valley | 1 | AS | | | 1 | garden escape |
| <i>Polygonatum multiflorum</i> | Solomon's-seal | 1 | JC | 1 | | | garden escape |
| <i>Hyacinthoides non-scripta</i> | Bluebell | 1 | AS | | | 1 | |
| <i>Typha latifolia</i> | Bulrush | 1 | JC | 1 | | | |
| <i>Juncus bufonius</i> | Toad Rush | 1 | AS | | 1 | | |
| <i>Juncus inflexus</i> | Hard Rush | 1 | AS | | 1 | | |
| <i>Juncus effusus</i> | Soft-rush | 1 | JC | | 1 | | |
| <i>Juncus conglomeratus</i> | Compact Rush | 1 | AS | | | 1 | |
| <i>Luzula pilosa</i> | Hairy Wood-rush | 1 | AS | | 1 | | |
| <i>Carex remota</i> | Remote Sedge | 1 | AS | | 1 | 1 | |
| <i>Carex pendula</i> | Pendulous Sedge | 1 | AS | | 1 | 1 | |
| <i>Carex sylvatica</i> | Wood-sedge | 1 | AS | | 1 | | |
| <i>Schedonurus giganteus</i> | Giant Fescue | 1 | AS | | 1 | | |
| <i>Lolium perenne</i> | Perennial Rye-grass | 1 | AS | | 1 | 1 | |
| <i>Festuca rubra ssp. rubra</i> | Red Fescue | 1 | AS | | 1 | | |
| <i>Cynosurus cristatus</i> | Crested Dog's-tail | 1 | AS | | 1 | | |
| <i>Poa annua</i> | Annual Meadow-grass | 1 | AS | | | 1 | |
| <i>Poa trivialis</i> | Rough Meadow-grass | 1 | AS | | 1 | 1 | |
| <i>Dactylis glomerata</i> | Cock's-foot | 1 | AS | | 1 | 1 | |
| <i>Catabrosa aquatica</i> | Whorl-grass | 1 | AS | | | 1 | |
| <i>Arrhenatherum elatius</i> | False Oat-grass | 1 | AS | | 1 | 1 | |
| <i>Holcus lanatus</i> | Yorkshire-fog | 1 | JC | | 1 | | |
| <i>Holcus mollis</i> | Creeping Soft-grass | 1 | JC | | 1 | | |
| <i>Anthoxanthum odoratum</i> | Sweet Vernal-grass | 1 | AS | | | 1 | |
| <i>Agrostis capillaris</i> | Common Bent | 1 | JC | 1 | | | |
| <i>Agrostis canina</i> | Velvet Bent | 1 | AS | | 1 | | |
| <i>Alopecurus pratensis</i> | Meadow Foxtail | 1 | AS | | 1 | 1 | |
| <i>Alopecurus geniculatus</i> | Marsh Foxtail | 1 | JC | | 1 | | |
| <i>Phleum pratense</i> | Timothy | 1 | AS | | 1 | | |
| <i>Glyceria maxima</i> | Reed Sweet-grass | 1 | AS | | 1 | 1 | |
| <i>Melica uniflora</i> | Wood Melick | 1 | AS | | | 1 | |
| <i>Bromus hordeaceus</i> | Soft-brome | 1 | AS | | 1 | 1 | |
| <i>Anisantha sterilis</i> | Barren Brome | 1 | JC | | | 1 | |
| <i>Brachypodium sylvaticum</i> | False-brome | 1 | AS | | | 1 | |
| <i>Triticum aestivum</i> | Bread Wheat | 1 | AS | | | 1 | non-native |
| | | | | | | | |
| FUNGI | | | | | | | |
| <i>Agrocybe praecox</i> | | 1 | JC | | 1 | | |
| <i>Bolbitius vitellinus</i> | | 1 | AS | 1 | | | |
| <i>Coriolus versicolor</i> | | 1 | AS | | | 1 | |
| <i>Flavoparmelia caperata</i> | (lichen) | 1 | JC | | 1 | | |
| <i>Hypoxylon sp</i> | | 1 | AS | | | 1 | |
| <i>Phragmidium violaceum</i> | | 1 | JC | | 1 | | |
| <i>Physcia sp.</i> | (lichen) | 1 | JC | | 1 | | |

| | | | | | | | |
|---|---------------------------------|---|----|---|---|---|------------|
| <i>Rhytisma acerinum</i> | (Sycamore leaf spot) | 1 | AS | | | 1 | |
| <i>Stereum hirsutum</i> | | 1 | AS | | | 1 | |
| MYXOMYCETE | | | | | | | |
| <i>Fuligo septica</i> | | 1 | AS | | | 1 | |
| MISCELLANEOUS INVERTEBRATES | | | | | | | |
| | unidentified leech | 1 | KA | 1 | | | |
| | unidentified black flatworm | 1 | JC | 1 | | | |
| MOLLUSCS | | | | | | | |
| | pea mussel | 1 | JC | 1 | | | |
| <i>Sphaerium corneum</i> | Horny Orb Mussel | 1 | JC | 1 | 1 | | |
| <i>Musculium lacustre</i> | Lake Orb Mussel | 1 | JC | 1 | | | |
| <i>Aegopinella nitidula</i> | Waxy Glass Snail | 1 | JC | 1 | | | |
| <i>Arion subfuscus</i> | Dusky Slug | 1 | JC | 1 | 1 | | |
| <i>Arion ater</i> | Black Slug | 1 | JC | 1 | 1 | | |
| <i>Arion circumscriptus</i> | Brown-banded Arion | 1 | JC | 1 | | | |
| <i>Arion intermedius</i> | Hedgehog Slug | 1 | JC | 1 | 1 | | |
| <i>Cepaea (Cepaea) nemoralis</i> | Brown-lipped Snail | 1 | SD | 1 | | | |
| <i>Cepaea hortensis</i> | White-lipped snail | 1 | JC | 1 | | | |
| <i>Cochlicopa lubrica</i> | Slippery Moss Snail | 1 | JC | 1 | | | |
| <i>Cornu aspersum</i> | Common Garden Snail | 1 | JC | 1 | 1 | | |
| <i>Deroceras invadans</i> | Caruana's Slug | 1 | JC | 1 | | | |
| <i>Deroceras reticulatum</i> | Common Grey Field Slug | 1 | JC | 1 | 1 | | |
| <i>Discus (Gonyodiscus) rotundatus</i> | Discus Snail | 1 | SD | 1 | | | |
| <i>Euconulus fulvus</i> | Tawny Glass Snail | 1 | JC | | 1 | | |
| <i>Hippeutis complanata</i> | Ramshorn | 1 | JC | 1 | | | |
| <i>Lehmannia valentiana</i> | | 1 | JC | 1 | | | non-native |
| <i>Limacus maculatus</i> | a slug | 1 | JC | 1 | 1 | | |
| <i>Limax maximus</i> | a slug | 1 | KL | 1 | | | |
| <i>Oxychilus (Oxychilus) alliarius</i> | Garlic Snail | 1 | SD | 1 | | | |
| <i>Oxyloma cf. sarsi</i> | Amber Snail | 1 | JC | | 1 | | |
| <i>Planorbarius corneus</i> | Greater Ramshorn Snail | 1 | JC | 1 | 1 | | |
| <i>Planorbis planorbis</i> | Ramshorn | 1 | JC | 1 | | | |
| <i>Potamopyrgum antipodarum</i> | Jenkin's Spire Snail | 1 | JC | | 1 | | |
| <i>Vallonia pulchella</i> | Marsh Grass Snail | 1 | JC | | 1 | | |
| <i>Vitrea crystallina</i> | Crystal Snail | 1 | JC | 1 | | | |
| <i>Zonitoides nitidus</i> | Marsh Glass Snail | 1 | JC | 1 | | | |
| ARACHNIDS | | | | | | | |
| <i>Agalena labyrinthica</i> | | 1 | SM | 1 | 1 | | |
| <i>Amaurobius fenestralis</i> | | 1 | SD | 1 | | | |
| <i>Amaurobius ferox</i> | | 1 | SD | 1 | | | |
| <i>Araneus diadematus</i> | Garden Spider | 1 | SD | 1 | | | |
| <i>Araniella aff. Cucurbitina</i> | | 1 | JC | | 1 | | |
| <i>Diaea dorsata</i> | Green Crab Spider | 1 | ML | | 1 | | |
| <i>Dictyna sp.</i> | | 1 | SM | | 1 | | |
| <i>Dysdera crocata</i> | Woodlouse Spider | 1 | ML | | 1 | | |
| <i>Enoplognatha ovata sensu stricto</i> | | 1 | SD | 1 | | | |
| <i>Heliophanus cf cupreus</i> | | 1 | SM | | 1 | | |
| <i>Mangora acalypha</i> | Cricket-bat Spider | 1 | SD | 1 | | | |
| <i>Paidiscura pallens</i> | | 1 | JC | | 1 | | |
| <i>Pardosa monticola</i> | | 1 | SM | | 1 | | |
| <i>Pardosa prativaga</i> | | 1 | SM | | 1 | | |
| <i>Philodromus albidus</i> | a running crab spider | 1 | SD | 1 | | | |
| <i>Phylloneta impressa</i> | | 1 | SM | | 1 | | |
| <i>Pirata hygrophilus</i> | | 1 | SM | | 1 | | uncommon |
| <i>Pisaura mirabilis</i> | | 1 | SM | | 1 | | |
| <i>Salticus scenicus</i> | Zebra Spider | 1 | SD | 1 | | | |
| <i>Steatoda nobilis</i> | False Widow Spider | 1 | SD | 1 | | | |
| <i>Tetragnatha extensa</i> | a large jawed spider | 1 | SD | 1 | | | |
| <i>Tetragnatha montana</i> | a large jawed spider | 1 | SD | 1 | | | |
| <i>Theridion pallus ?</i> | | 1 | JC | | 1 | | |
| <i>Xysticus cristatus</i> | a crab spider | 1 | SD | 1 | | | |
| | unidentified clubionid | 1 | SD | 1 | | | |
| MISCELLANEOUS ARTHROPODS | | | | | | | |
| <i>Dicranopalpus ramosus</i> | a harvestman | 1 | SD | 1 | | | |
| | Gall on Alder: Alder Gall Mite? | 1 | AS | | | 1 | |
| <i>Gammarus sp (pulex/lacustris)</i> | freshwater amphipod | 1 | SD | 1 | | | |
| <i>Asellus (Asellus) aquaticus</i> | Freshwater Hoglouse | 1 | SD | 1 | | | |
| <i>Oniscus asellus</i> | Common Shining Woodlouse | 1 | SD | 1 | | | |
| <i>Philoscia muscorum</i> | Common Striped Woodlouse | 1 | SD | 1 | 1 | | |
| <i>Porcellio scaber</i> | Common Rough Woodlouse | 1 | SD | 1 | 1 | | |
| <i>Trichoniscus pusillus</i> | woodlouse | 1 | KL | 1 | | | |

| | | | | | | | |
|---|---------------------------------|---|----|---|--|---|--------------|
| <i>Haplophthalmus danicus</i> | woodlouse | 1 | KL | 1 | | | |
| <i>Armadillidium vulgare</i> | woodlouse | 1 | KL | 1 | | | |
| <i>Daphnia</i> sp | water flea | 1 | | 1 | | | |
| <i>Tachypodoiulus niger</i> | White-legged Snake Millipede | 1 | SD | 1 | | | |
| <i>Lithobius (Lithobius) forficatus</i> | a lithobiomorph centipede | 1 | SD | 1 | | | |
| <i>Lithobius variegatus</i> | centipede | 1 | KL | 1 | | | |
| <i>Haplophilus subterraneus</i> | centipede | 1 | KL | 1 | | | |
| <i>Cylindroculus punctatus</i> | millipede | 1 | KL | 1 | | | |
| <i>Proteroiulus fuscus</i> | millipede | 1 | KL | 1 | | | |
| | | | | | | | |
| INSECTS | | | | | | | |
| | mayfly sp. larva | 1 | KT | 1 | | | |
| | | | | | | | |
| <i>Coenagrion puella</i> | Azure Damselfly | 1 | SD | 1 | | | |
| <i>Ischnura elegans</i> | Common Blue-tail Damselfly | 1 | SD | 1 | | | |
| <i>Pyrrhosoma nymphula</i> | Large Red Damselfly | 1 | AS | 1 | | 1 | |
| <i>Cordulegaster boltonii</i> | Golden-ringed Dragonfly | 1 | AS | | | 1 | |
| <i>Anax imperator</i> | Emperor Dragonfly | 1 | AS | | | 1 | |
| <i>Libellula depressa</i> | Broad-bodied Chaser | 1 | ML | | | 1 | |
| | | | | | | | |
| <i>Forficula auricularia</i> | Common Earwig | 1 | SD | 1 | | 1 | |
| | | | | | | | |
| <i>Chorthippus parallelus</i> | Meadow Grasshopper | 1 | SD | 1 | | | |
| <i>Leptophyes punctatissima</i> | Speckled Bush-cricket | 1 | SD | 1 | | | |
| <i>Metrioptera roeselii</i> | Roesel's Bush-cricket | 1 | SD | 1 | | 1 | |
| | | | | | | | |
| <i>Anthocoris confusus</i> | a heteropteran bug | 1 | SD | 1 | | | |
| <i>Anthocoris nemoralis</i> | a heteropteran bug | 1 | SD | 1 | | | |
| <i>Anthocoris nemorum</i> | a heteropteran bug | 1 | SD | 1 | | | |
| <i>Aphrophora alni</i> | | 1 | ML | | | 1 | |
| <i>Coreus marginatus</i> | Dock Bug | 1 | SD | 1 | | | |
| <i>Heterogaster urticae</i> | Nettle Ground Bug | 1 | SD | 1 | | | |
| <i>Leptopterna dolabrata</i> | a grass bug | 1 | SD | 1 | | | |
| <i>Leptoterna dolabrata</i> | | 1 | ML | | | 1 | |
| <i>Liocoris tripustulatus</i> | Nettle Capsid Bug | 1 | SD | 1 | | | |
| <i>Nabis (Nabis) rugosus</i> | a predatory bug | 1 | SD | 1 | | | |
| <i>Notonecta (Notonecta) glauca</i> | Common Waterboatman | 1 | SD | 1 | | | |
| <i>Pentatoma rufipes</i> | Forest Bug | 1 | ML | | | 1 | |
| <i>Philaenus spumarius</i> | (spittle bug) | 1 | AS | | | 1 | 1 |
| <i>Plagiognathus arbustorum</i> | a capsid bug | 1 | SD | 1 | | | |
| <i>Plagiognathus chrysanthemi</i> | a capsid bug | 1 | SD | 1 | | | |
| <i>Psyllopsis fraxini</i> | Patterned Ash Leaf-curl Psyllid | 1 | SD | 1 | | | |
| <i>Scolopostethus thomsoni</i> | Small Nettle Ground Bug | 1 | SD | 1 | | | |
| <i>Stenodema (Stenodema) laevigata</i> | a grass bug | 1 | SD | 1 | | | |
| <i>Stenotus binotatus</i> | Two-spot Grass Bug | 1 | SD | 1 | | | |
| <i>Tupiocoris rhododendri</i> | Rhododendron Bug | 1 | SD | 1 | | | |
| | | | | | | | |
| | caddis sp. larva | 1 | KT | 1 | | | |
| | | | | | | | |
| <i>Micropterix calthella</i> | a micromoth | 1 | ML | | | 1 | |
| <i>Glyphipterix thrasonella</i> | a micromoth | 1 | MB | | | 1 | |
| <i>Syncopacma larseniella</i> | a micromoth | 1 | MB | | | 1 | local |
| <i>Anthophila fabriciana</i> | a micromoth | 1 | ML | | | 1 | |
| <i>Archips xylosteana</i> | Variiegated Golden Tortrix | 1 | MB | | | 1 | |
| <i>Pandemis dumetana</i> | a micromoth | 1 | MB | | | 1 | very local |
| <i>Lozotaenia forsterana</i> | a micromoth | 1 | AS | | | 1 | |
| <i>Pseudargyrotoza conwagana</i> | a micromoth | 1 | MB | | | 1 | |
| <i>Agapeta hamana</i> | a micromoth | 1 | AS | | | 1 | |
| <i>Apotomis turbidana</i> | a micromoth | 1 | MB | | | 1 | |
| <i>Notocelia uddmanniana</i> | Bramble Shoot Moth | 1 | MB | | | 1 | |
| <i>Cydia pomonella</i> | Codling Moth | 1 | MB | | | 1 | |
| <i>Ochlodes sylvanus</i> | Large Skipper | 1 | MH | | | 1 | |
| <i>Pieris brassicae</i> | Large White | 1 | ML | | | 1 | |
| <i>Gonepteryx rhamni</i> | Brimstone | 1 | MH | | | 1 | 1 |
| <i>Pararge aegeria</i> | Speckled Wood | 1 | KL | | | 1 | |
| <i>Aphantopus hyperantus</i> | Ringlet | 1 | MH | | | 1 | |
| <i>Maniola jurtina</i> | Meadow Brown | 1 | AS | | | 1 | max count 10 |
| <i>Melanargia galathea</i> | Marbled White | 1 | ML | | | 1 | |
| <i>Vanessa atalanta</i> | Red Admiral | 1 | AS | | | 1 | |
| <i>Aglais io</i> | Peacock | 1 | HS | | | 1 | |
| <i>Polyommatus icarus</i> | Common Blue | 1 | ML | | | 1 | |
| <i>Aphomia sociella</i> | Bee Moth | 1 | MB | | | 1 | |
| <i>Anania hortulata</i> | Small Magpie | 1 | MB | | | 1 | |
| <i>Udea olivalis</i> | a micromoth | 1 | AS | | | 1 | |
| <i>Eudonia lacustrata</i> | a micromoth | 1 | MB | | | 1 | |
| <i>Eudonia delunella</i> | a micromoth | 1 | AS | | | 1 | cf |
| <i>Eudonia mercurella</i> | a micromoth | 1 | AS | | | 1 | |

| | | | | | | | |
|---------------------------------|--------------------------|---|----|---|---|---|-----------------------|
| <i>Chrysoteuchia culmella</i> | a micromoth | 1 | AS | | 1 | | |
| <i>Cataglyphis lemnae</i> | Small China-mark | 1 | ML | | 1 | | |
| <i>Tethea or</i> | Poplar Lutestring | 1 | MB | | 1 | | local |
| <i>Laothoe populi</i> | Poplar Hawk-moth | 1 | AS | | 1 | | |
| <i>Sphinx ligustri</i> | Privet Hawk-moth | 1 | AS | | 1 | | |
| <i>Deilephila elpenor</i> | Elephant Hawk-moth | 1 | AS | | 1 | | |
| <i>Deilephila porcellus</i> | Small Elephant Hawk-moth | 1 | MB | | 1 | | |
| <i>Idea trigeminata</i> | Treble Brown Spot | 1 | AS | | 1 | | local |
| <i>Idea aversata</i> | Riband Wave | 1 | AS | | 1 | | |
| <i>Timandra comae</i> | Blood-Vein | 1 | AS | | 1 | | |
| <i>Campptogramma bilineata</i> | Yellow Shell | 1 | AS | | 1 | | |
| <i>Plemyria rubiginata</i> | Blue-bordered Carpet | 1 | AS | | 1 | | |
| <i>Hydrelia flammeolaria</i> | Small Yellow Wave | 1 | MB | | 1 | | |
| <i>Chloroclystis v-ata</i> | V-Pug | 1 | MB | | 1 | | |
| <i>Eupithecia pulchellata</i> | Foxglove Pug | 1 | MB | | 1 | | |
| <i>Eupithecia vulgata</i> | Common Pug | 1 | AS | 1 | | | |
| <i>Eupithecia exigua</i> | Mottled Pug | 1 | AS | | 1 | | |
| <i>Lomaspilis marginata</i> | Clouded Border | 1 | MB | | 1 | | |
| <i>Plagodis dolabraria</i> | Scorched Wing | 1 | AS | 1 | | | local |
| <i>Ourapteryx sambucaria</i> | Swallow-tailed Moth | 1 | AS | | 1 | | |
| <i>Biston betularia</i> | Peppered Moth | 1 | AS | | 1 | | |
| <i>Erannis defoliaria</i> | Mottled Umber | 1 | AS | | 1 | | |
| <i>Peribatodes rhomboidaria</i> | Willow Beauty | 1 | MB | | 1 | | |
| <i>Hypomecis roboraria</i> | Great Oak Beauty | 1 | AS | | 1 | | nationally scarce (B) |
| <i>Cabera pusaria</i> | Common White Wave | 1 | MP | | 1 | 1 | |
| <i>Lomographa temerata</i> | Clouded Silver | 1 | AS | | 1 | | |
| <i>Campaea margaritaria</i> | Light Emerald | 1 | MB | | 1 | | |
| <i>Hylaea fasciaria</i> | Barred Red | 1 | AS | | 1 | | |
| <i>Geometra papilionaria</i> | Large Emerald | 1 | AS | | 1 | | |
| <i>Stauropus fagi</i> | Lobster Moth | 1 | AS | 1 | | | |
| <i>Phalera bucephala</i> | Buff-tip | 1 | AS | | 1 | | |
| <i>Rivula sericealis</i> | Straw Dot | 1 | AS | | 1 | | |
| <i>Hypena proboscidalis</i> | Snout | 1 | AS | | 1 | | |
| <i>Spilosoma lutea</i> | Buff Ermine | 1 | AS | | 1 | | |
| <i>Abrostola tripartita</i> | Spectacle | 1 | AS | | 1 | | |
| <i>Deltote pygarga</i> | Marbled White Spot | 1 | AS | | 1 | | |
| <i>Acronicta leporina</i> | Miller | 1 | AS | | 1 | | |
| <i>Subacronicta megacephala</i> | Poplar Grey | 1 | AS | | 1 | | |
| <i>Craniophora ligustri</i> | Coronet | 1 | AS | | 1 | | local |
| <i>Charanyca trigrammica</i> | Treble Lines | 1 | MB | | 1 | | |
| <i>Mormo maura</i> | Old Lady | 1 | MH | 1 | | | |
| <i>Nonagria typhae</i> | Bulrush Wainscot | 1 | SD | 1 | | | |
| <i>Apamea monoglypha</i> | Dark Arches | 1 | AS | | 1 | | |
| <i>Oligia strigilis</i> | Marbled Minor | 1 | SD | 1 | | | |
| <i>Oligia latruncula</i> | Tawny Marbled Minor | 1 | AS | | 1 | | |
| <i>Oligia fasciuncula</i> | Middle-barred Minor | 1 | AS | | 1 | | |
| <i>Orthosia cerasi</i> | Common Quaker | 1 | AS | | 1 | | |
| <i>Polia nebulosa</i> | Grey Arches | 1 | AS | | 1 | | |
| <i>Mythimna pallens</i> | Common Wainscot | 1 | AS | | 1 | | |
| <i>Agrotis exclamations</i> | Heart & Dart | 1 | AS | | 1 | | |
| <i>Agrotis segetum</i> | Turnip Moth | 1 | AS | | 1 | | |
| <i>Agrotis clavis</i> | Heart & Club | 1 | AS | 1 | | | |
| <i>Axylia putris</i> | Flame | 1 | AS | | 1 | | |
| <i>Ochropleura plecta</i> | Flame Shoulder | 1 | AS | | 1 | | |
| <i>Diarsia brunnea</i> | Purple Clay | 1 | AS | | 1 | | |
| <i>Noctua pronuba</i> | Large Yellow Underwing | 1 | JM | | | 1 | |
| <i>Xestia ditrapezium</i> | Triple-spotted Clay | 1 | AS | | 1 | | local |
| <i>Cnephasia sp</i> | | 1 | MB | | 1 | | |
| <i>Chirosia betuleti</i> | Fern Gall Fly | 1 | SD | 1 | | | |
| <i>Dasyneura urticae</i> | nettle gall | 1 | JC | | 1 | | |
| <i>Episyrphus balteatus</i> | Marmalade Hoverfly | 1 | SD | 1 | | | |
| <i>Haematopota pluvialis</i> | Deerfly | 1 | SD | 1 | | | |
| <i>Harmandiola tremulae</i> | Aspen Gall Midge | 1 | SD | 1 | | | |
| <i>Jaapiella veronicae</i> | Speedwell Gall Midge | 1 | SD | 1 | | | |
| <i>Lucilia sp.</i> | greenbottle | 1 | JC | | 1 | | |
| <i>Nephrotoma sp.</i> | | 1 | ML | | 1 | | |
| <i>Phytomyza ilicis</i> | Holly Leaf-miner Fly | 1 | SD | 1 | | | |
| <i>Platycheirus albimanus</i> | a hoverfly | 1 | SD | 1 | | | |
| <i>Rivellia syngenesiae</i> | a picture-wing fly | 1 | SD | 1 | | | local |
| <i>Sphaerophoria scripta</i> | a hoverfly | 1 | SD | 1 | | | |
| <i>Syrphus ribesii</i> | a hoverfly | 1 | AS | 1 | | | |
| <i>Taxomyia taxi</i> | Yew Pineapple Gall Midge | 1 | SD | 1 | | | |
| <i>Tipula maxima</i> | a tipulid crane-fly | 1 | SD | 1 | | | |
| <i>Volucella bombylans</i> | | 1 | ML | | 1 | | |
| <i>Volucella pellucens</i> | a hoverfly | 1 | SD | 1 | | | |

| | | | | | | | |
|--|-------------------------------------|---|----|---|---|---|-------|
| <i>Xylota silvarum</i> | | 1 | ML | | 1 | | |
| | midge larvae | 1 | KT | 1 | | | |
| | phantom midge larvae | 1 | KT | 1 | | | |
| <i>Abax parallelipedipus</i> | ground beetle | 1 | KL | 1 | | | |
| <i>Aphthona nonstriata</i> | | 1 | ML | | 1 | | |
| <i>Athous haemorrhoidalis</i> | | 1 | ML | | 1 | | |
| <i>Cantharis nigra</i> | | 1 | ML | | 1 | | |
| <i>Cantharis pallida</i> | a soldier beetle | 1 | SD | 1 | | | |
| <i>Cassida rubiginosa</i> | Thistle Tortoise | 1 | SD | 1 | | | |
| <i>Coccinella 7-punctata</i> | 7-Spot Ladybird | 1 | ML | | 1 | | |
| <i>Crepidodera aurea</i> | Poplar Flea Beetle | 1 | SD | 1 | | | |
| <i>Crepidodera plutus</i> | Willow Flea Beetle | 1 | SD | 1 | | | |
| <i>Curculio glandium</i> | | 1 | ML | | 1 | | |
| <i>Cyphon sp.</i> | | 1 | ML | | 1 | | |
| <i>Donacia vulgaris</i> | a reed beetle | 1 | SD | 1 | | | |
| <i>Exapion ulicis</i> | | 1 | ML | | 1 | | |
| <i>Gastrophysa viridula</i> | Dock Leaf-beetle | 1 | ML | | 1 | | |
| <i>Gyrinus substriatus</i> | Whirlygig Beetle | 1 | ML | | 1 | | |
| <i>Harmonia axyridis</i> | Harlequin Ladybird | 1 | SD | 1 | 1 | 1 | |
| <i>Ischnopterapion loti</i> | Bird's-foot Trefoil Seed Weevil | 1 | SD | 1 | | | |
| <i>Longitarsus sp.</i> | | 1 | ML | | 1 | | |
| <i>Malthodes marginatus</i> | | 1 | ML | | 1 | | |
| <i>Meligethes aeneus</i> | Common Blue Pollen Beetle | 1 | SD | 1 | 1 | | |
| <i>Nedyus quadrimaculatus</i> | | 1 | ML | | 1 | | |
| <i>Neocrepidodera sp.</i> | | 1 | ML | | 1 | | |
| <i>Neocrepidodera transversa</i> | Thistle Flea Beetle | 1 | SD | 1 | | | |
| <i>Oedemera nobilis</i> | Swollen-thighed Beetle | 1 | ML | | 1 | | |
| <i>Phyllobius roboretanus</i> | Small Green Nettle weevil | 1 | SD | 1 | | | |
| <i>Phytoecia cylindrica</i> | Umbellifer Longhorn | 1 | SD | 1 | | | local |
| <i>Propylea quattuordecimpunctata</i> | 14-spot Ladybird | 1 | SD | 1 | | | |
| <i>Pterostichus (Steropus) madidus</i> | a ground beetle | 1 | SD | 1 | | | |
| <i>Pterostichus niger</i> | | 1 | ML | | 1 | | |
| <i>Rhinoncus pericarpus</i> | | 1 | ML | | 1 | | |
| <i>Ruptela maculata</i> | | 1 | ML | | 1 | | |
| <i>Strophosoma melanogrammum</i> | a weevil | 1 | SD | 1 | | | |
| <i>Trixagus dermestoides</i> | a throsoid beetle | 1 | SD | 1 | | | |
| <i>Tytthaspis sedecimpunctata</i> | 16-spot ladybird | 1 | ML | 1 | | | |
| <i>Dytiscus marginalis</i> | Great diving beetle | 1 | SD | 1 | | | |
| | unidentified Scirtid (marsh beetle) | 1 | SD | 1 | | | |
| <i>Bombus lucorum</i> | White-tailed Bumblebee | 1 | SD | 1 | 1 | | |
| <i>Bombus terrestris</i> | Buff-tailed Bumblebee | 1 | ML | 1 | 1 | | |
| <i>Bombus pascuorum</i> | Common Carder Bumblebee | 1 | SD | 1 | | | |
| <i>Vespa crabro</i> | European Hornet | 1 | MH | 1 | | | |
| <i>Vespa vulgaris</i> | Common Wasp | 1 | ML | | 1 | | |
| <i>Apis mellifera</i> | Honey Bee | 1 | ML | | 1 | | |
| <i>Lasius flavus</i> | Yellow Meadow Ant | 1 | SD | 1 | | | |
| <i>Myrmica ruginodis</i> | Woodland Red Ant | 1 | SD | 1 | | | |
| <i>Amblyteles armatorius</i> | an ichneumon wasp | 1 | SD | 1 | | | |
| VERTEBRATES | | | | | | | |
| | ?minnow | 1 | JC | | 1 | | |
| <i>Lissotriton helveticus</i> | Palmate Newt | 1 | SD | 1 | | | |
| <i>Bufo bufo</i> | Common Toad | 1 | SD | 1 | | | |
| <i>Rana temporaria</i> | Common Frog | 1 | ML | | 1 | | |
| <i>Capreolus capreolus</i> | Roe Deer | 1 | MP | | | 1 | |
| <i>Muntiacus reevesi</i> | Reeve's Muntjac | 1 | MP | | 1 | | |
| <i>Oryctolagus cuniculus</i> | Rabbit | 1 | MP | 1 | | 1 | |
| <i>Talpa europaea</i> | Mole | 1 | AS | | | 1 | |
| <i>Vulpes vulpes</i> | Fox | 1 | AS | 1 | | | |
| <i>Sciurus carolinensis</i> | Grey Squirrel | 1 | AS | 1 | | | |
| <i>Meles meles</i> | Badger | 1 | AS | | 1 | | |
| <i>Pipistrellus pygmaeus</i> | Soprano Pipistrelle | 1 | MP | | 1 | 1 | |
| <i>Pipistrellus pipistrellus</i> | Common Pipistrelle | 1 | MP | | 1 | 1 | |
| <i>Nyctalus noctula</i> | Noctule | 1 | MP | | | 1 | |
| <i>Eptesicus serotinus</i> | Serotine | 1 | MP | | | 1 | |
| <i>Barbastella barbastellus</i> | Western Barbastelle | 1 | MP | | 1 | 1 | |
| <i>Plecotus auritus</i> | Brown Long-eared Bat | 1 | MP | | | 1 | |
| <i>Myotis nattereri</i> | Natterer's Bat | 1 | MP | | | 1 | |
| <i>Ardea cinerea</i> | Grey Heron | 1 | AS | | 1 | | |
| <i>Buteo buteo</i> | Common Buzzard | 1 | ML | 1 | | | |
| <i>Phasianus colchicus</i> | Pheasant | 1 | ML | 1 | | | |

| | | | | | | | |
|--------------------------------|----------------------------|---|----|-----|-----|-----|-------|
| <i>Gallinula chloropus</i> | Moorhen | 1 | ML | | 1 | | |
| <i>Columba palumbus</i> | Wood Pigeon | 1 | AS | | | 1 | |
| <i>Apus apus</i> | Swift | 1 | ML | | | 1 | Max 7 |
| <i>Dendrocopos major</i> | Greater Spotted Woodpecker | 1 | AS | | | 1 | |
| <i>Troglodytes troglodytes</i> | Wren | 1 | ML | | 1 | | |
| <i>Prunella modularis</i> | Duncock | 1 | AS | | | 1 | |
| <i>Erithacus rubecula</i> | Robin | 1 | AS | | | 1 | |
| <i>Turdus philomelos</i> | Song Thrush | 1 | ML | | 1 | | |
| <i>Turdus merula</i> | Blackbird | 1 | ML | 1 | | | |
| <i>Sylvia atricapilla</i> | Blackcap | 1 | ML | 1 | | | |
| <i>Phylloscopus collybita</i> | Chiffchaff | 1 | AS | | | 1 | |
| <i>Regulus regulus</i> | Goldcrest | 1 | ML | | 1 | | |
| <i>Parus major</i> | Great Tit | 1 | MP | | | 1 | |
| <i>Parus ater</i> | Coal Tit | 1 | ML | | | 1 | |
| <i>Parus caeruleus</i> | Blue Tit | 1 | MP | | | 1 | |
| <i>Sitta europaea</i> | Nuthatch | 1 | ML | | 1 | | |
| <i>Pica pica</i> | Magpie | 1 | AS | | | 1 | |
| <i>Corvus monedula</i> | Jackdaw | 1 | AS | | | 1 | |
| <i>Corvus corone</i> | Carrion Crow | 1 | AS | | | 1 | |
| <i>Sturnus vulgaris</i> | Starling | 1 | AS | | | 1 | |
| <i>Carduelis chloris</i> | Greenfinch | 1 | ML | | | 1 | |
| <i>Carduelis carduelis</i> | Goldfinch | 1 | MP | | | 1 | Max 4 |
| <i>Carduelis spinus</i> | Siskin | 1 | ML | | | 1 | |
| <i>Pyrrhula pyrrhula</i> | Bullfinch | 1 | ML | | | 1 | |
| | | | | | | | |
| | Totals | | | 170 | 236 | 173 | |