
**INVERTEBRATE SURVEY
UNIVERSITY OF READING
SHINFIELD,

BERKSHIRE,**

2022-2023



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Summary

Surveys of terrestrial and aquatic invertebrates were carried out on the following dates :- 16th , 17th June, 23rd, 24th, July, 4th August, 28th September, 25th October 2022. 19th April, 18th May, 19th June 2023

Species total

In all 852 taxa were recorded (the list of species recorded are shown in Appendix 1) in 2022-3. Of these 25 had a conservation designation;-

Species	Family	Order	Conservation status
<i>Ballus chalybeius</i>	Salticidae	Araneae	NS
<i>Marpissa muscosa</i>	Salticidae	Araneae	NS
<i>Episinus maculipes</i>	Theridiidae	Araneae	NS
<i>Theridiosoma gemmosum</i>	Theridiosomatidae	Araneae	NS
<i>Rhagonycha lutea</i>	Cantharidae	Coleoptera	NS
<i>Bembidion octomaculatum</i>	Carabidae	Coleoptera	NS
<i>Longitarsus symphyti</i>	Chrysomelidae	Coleoptera	NS
<i>Lythraia salicariae</i>	Chrysomelidae	Coleoptera	NS
<i>Opilo mollis</i>	Cleridae	Coleoptera	NS
<i>Gymnetron villosulum</i>	Curculionidae	Coleoptera	[Nb]
<i>Polydrusus formosus</i>	Curculionidae	Coleoptera	[Na]
<i>Rhinocyllus conicus</i>	Curculionidae	Coleoptera	[Nb]
<i>Abdera flexuosa</i>	Melandryidae	Coleoptera	NS
<i>Mordellistena neuwaldeggiana</i>	Mordellidae	Coleoptera	NS
<i>Eulagius filicornis</i>	Mycetophagidae	Coleoptera	DD (European)
<i>Platypus cylindrus</i>	Platypodidae	Coleoptera	[Nb]
<i>Silvanus bidentatus</i>	Silvanidae	Coleoptera	Nb
<i>Synchita separanda</i>	Zopheridae	Coleoptera	NS
<i>Helius pallirostris</i>	Limoniidae	Diptera	Notable
<i>Cicadula flori</i>	Cicadellidae	Hemiptera	Nb
<i>Iassus scutellaris</i>	Cicadellidae	Hemiptera	NA
<i>Andrena florea</i>	Andrenidae	Hymenoptera	RDB 3
<i>Lasius brunneus</i>	Formicidae	Hymenoptera	Na
<i>Macropis europaea</i>	Melittidae	Hymenoptera	Na
<i>Tyria jacobaeae</i>	Erebidae	Lepidoptera	common

PANTHEON RESULTS

The following SATS were in favourable condition;- A212 bark & sapwood decay, A213 Fungal fruiting bodies, A211 Heartwood decay and F001 Scrub edge.

INTRODUCTION

A baseline invertebrate survey of the University of Reading Hall Farm compartments was carried out in June-August 2022 and April-June 2023.

SURVEYS AND SITE VISITS

Standard field techniques were employed to sample the invertebrate fauna across the site. These included sweeping vegetation with a wide mouthed sweep net, beating trees and bushes over a beating tray, and grubbing amongst tussocks and key host plant rosettes etc. *Because it is impracticable to survey all the potential invertebrates within any given site, only specific groups of species were examined during fieldwork. These groups are sufficiently well known as to allow meaningful comparisons to be made with other sites, both locally and nationally. They are also important as indicators of the quality of a site and the habitats present (see Brooks 1993).*

A 0.5mm mesh GB nets net was used to sample the ponds and flowing water.

Groups covered during the survey were:

- Mollusca (slugs and snails)
- Arachnida (spiders, harvestmen & pseudoscorpions)
- Isopoda (woodlice)
- Thysanura (bristletails)
- Ephemeroptera (mayflies)
- Odonata (dragonflies & damselflies)
- Plecoptera (stoneflies)
- Orthoptera (grasshoppers & crickets)
- Dictyoptera (cockroaches)
- Dermaptera (earwigs)
- Hemiptera-Heteroptera (true-bugs)
- Hemiptera-Homoptera (hoppers)
- Neuroptera (lace-wings)
- Mecoptera (scorpion-flies)
- Lepidoptera (butterflies & moths)
- Trichoptera (caddis flies)
- Diptera (true flies)
- Aculeate Hymenoptera (ants, bees & wasps)
- Coleoptera (beetles)

SITE VISITS AND CONDITIONS

A baseline invertebrate surveys of the compartments were carried out on 16th, 17th June, 23rd, 24th, July, 4th August, 28th September, 25th October 2022 and 19th April, 18th May, 19th June 2023

Standard field techniques were employed to sample the invertebrate fauna across the site. These included sweeping vegetation with a wide mouthed sweep net, beating trees and bushes over a beating tray, and grubbing amongst tussocks and key host plant rosettes etc.

RESULTS

A total of 852 species of invertebrate were recorded (A full species list is given in Appendix 1), of these 25 have a conservation designation (see table. 1). The definitions of the conservation statuses are given in Appendix 2.

Table 1. Species with conservation designation

Species	Family	Order	Conservation status
<i>Ballus chalybeius</i>	Salticidae	Araneae	NS
<i>Marpissa muscosa</i>	Salticidae	Araneae	NS
<i>Episinus maculipes</i>	Theridiidae	Araneae	NS
<i>Theridiosoma gemmosum</i>	Theridiosomatidae	Araneae	NS
<i>Rhagonycha lutea</i>	Cantharidae	Coleoptera	NS
<i>Bembidion octomaculatum</i>	Carabidae	Coleoptera	NS
<i>Longitarsus symphyti</i>	Chrysomelidae	Coleoptera	NS
<i>Lythrararia salicariae</i>	Chrysomelidae	Coleoptera	NS
<i>Opilo mollis</i>	Cleridae	Coleoptera	NS
<i>Gymnetron villosulum</i>	Curculionidae	Coleoptera	[Nb]
<i>Polydrusus formosus</i>	Curculionidae	Coleoptera	[Na]
<i>Rhinocyllus conicus</i>	Curculionidae	Coleoptera	[Nb]
<i>Abdera flexuosa</i>	Melandryidae	Coleoptera	NS
<i>Mordellistena neuwaldeggiana</i>	Mordellidae	Coleoptera	NS
<i>Eulagius filicornis</i>	Mycetophagidae	Coleoptera	DD (European)
<i>Platypus cylindrus</i>	Platypodidae	Coleoptera	[Nb]
<i>Silvanus bidentatus</i>	Silvanidae	Coleoptera	Nb
<i>Synchita separanda</i>	Zopheridae	Coleoptera	NS
<i>Heliophilus pallirostris</i>	Limoniidae	Diptera	Notable
<i>Cicadula flori</i>	Cicadellidae	Hemiptera	Nb
<i>Iassus scutellaris</i>	Cicadellidae	Hemiptera	NA
<i>Andrena florea</i>	Andrenidae	Hymenoptera	RDB 3
<i>Lasius brunneus</i>	Formicidae	Hymenoptera	Na

<i>Macropis europaea</i>	Melittidae	Hymenoptera	Na
<i>Tyria jacobaeae</i>	Erebidae	Lepidoptera	Schedule 41

HABITAT ASSESSMENT- USING ISIS TO MEASURE SITE QUALITY

Although there is currently no standard framework for evaluating the invertebrate value of a site as part of Ecological Impact Assessment. Most active invertebrate ecologists have adopted the Pantheon database tool developed by Natural England and the Centre for Ecology & Hydrology. Pantheon is an on-line spreadsheet used to analyse invertebrate sample data and assess assemblage data for favourable versus unfavourable condition by SSSI standards. Hence, if an assemblage or suite of assemblages are found to be in favourable condition this would indicate that the site is likely to be of significant importance for invertebrates. Further information on Pantheon is available here: <http://www.brc.ac.uk/pantheon/about/pantheon>

Users import lists of invertebrates (called “samples”) into Pantheon, which then matches the species to the preferred name in the *UK species inventory* (A list of species maintained by the Natural History Museum). Not all macro-invertebrate taxa are included in the database. To date over c13,000 species have been assessed, this being about a quarter of the total macro-invertebrate fauna (estimated at 37,000). It remains limited to those taxa and families where there is enough ecological information to give a fair level of coding accuracy. These include species such as beetles, flies, bugs and hoppers, moths, ants, bees, wasps, spiders and molluscs.

The method for defining species resources was broadly similar to that followed in Natural England Research Report 024 (Webb *et. al.*, 2010).

‘For each species, a literature search was undertaken. All relevant ecological information was extracted and added to a spreadsheet. This included ‘structural elements of the habitats that the species is generally associated with (e.g. emergent vegetation, seed heads) and/or other environmental factors that it requires, host plant and/or animal species alongside ecological guild of larvae as well as adults where these differed, (e.g. herbivore, carnivore). Only those resources which were considered important to the species in completing its life cycle were included’.

The assemblage types are labelled in terms that relate to their favoured habitats in order to make them accessible to non-specialists. However, they are actually defined by lists of characteristic species that are generally found together in nature. Two levels are recognised in the classification. Broad assemblage types (BATs) are a comprehensive series of assemblage types that are characterised by more widespread species. They can be expressed in lists from a wide range of sites.

Specific assemblage types (SATs) are characterised by ecologically restricted species and are generally only expressed in lists from sites with conservation value. Since 2008 there has also been a third category of assemblage types that cut across this classification. They are mainly defined by lists of species dependent on a particular environmental resource, such as flowers as a source of pollen and nectar. The assemblage type classification is given below. Textual descriptions of each assemblage type and its habitats have been prepared for incorporation into a web-based database.

The following SATs were in favourable condition;- A212 bark & sapwood decay, A213 Fungal fruiting bodies, A211 Heartwood decay and F001 Scrub edge. The larger oaks across the floodplain yielded numerous scarce saproxylics including *Opilo mollis*, *Platypus cylindrus* and *Silvanus bidentatus*. Older alders in the carr areas had *Inonotus* brackets which were being attacked by the scarce false darkling beetle *Abdera flexuosa*.

Table 2. SATs recorded in 2022.

Code	SAT	No. of species	Reported condition
A212	bark & sapwood decay	46	Favourable (46 species, 19 required)
A213	fungal fruiting bodies	9	Favourable (9 species, 7 required)
A211	heartwood decay	7	Favourable (7 species, 6 required)
F001	scrub edge	15	Favourable (15 species, 11 required)
F002	rich flower resource	13	Unfavourable (13 species, 15 required)
F003	scrub-heath & moorland	7	Unfavourable (7 species, 9 required)
W314	reed-fen & pools	4	Unfavourable (4 species, 11 required)
F111	bare sand & chalk	3	Unfavourable (3 species, 19 required)
A215	epiphyte fauna	2	Unfavourable (2 species, 3 required)
F112	open short sward	2	Unfavourable (2 species, 13 required)
W211	open water on disturbed mineral sediments	2	Unfavourable (2 species, 6 required)
W221	undisturbed fluctuating marsh	2	Unfavourable (2 species, 4 required)

The pockets of floodplain fen supported a diverse assemblage with nationally scarce taxa including the sedge feeding leafhopper *Cicadula flori*, yellow loosestrife was host to the loosestrife bee *Macropis europaea* and the flea beetle *Lythrraria salicariae*. The ray

spider *Theridiosoma gemmosum* and the beautiful and very local *Araneus marmoreus var pyramidatus* were frequent in the sedge beds. Comfrey supported the scarce flea beetle *Longitarsis symphyti* and the flowers were home to *Meligethes symphyti*; both recently discovered species in Britain.

Standing shaded water yielded *Bembidion octomaculatum* which may be the first for Berkshire of a species extinct in UK for over a Century which his now spreading back: presumably from a new wave of immigration.

REFERENCES

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APPENDIX 1. Species list for 2022-23

Species	Family	Order	Conservation status
<i>Pacifastacus leniusculus</i>	Astarcidae	Amphipoda	Naturalised alien
<i>Crangonyx pseudogracilis</i>	Gammaridae	Amphipoda	common

Gammarus pulex sens. lato	Gammaridae	Amphipoda	common
Agelena labyrinthica	Agelenidae	Araneae	common
Amaurobius fenestralis	Amaurobiidae	Araneae	common
Amaurobius similis	Amaurobiidae	Araneae	common
Anyphaena accentuata	Anyphaenidae	Araneae	common
Araneus diadematus	Araneidae	Araneae	common
Araneus marmoreus var pyramidatus	Araneidae	Araneae	local
Araneus quadratus	Araneidae	Araneae	local
Araniella opisthographa	Araneidae	Araneae	common
Gibbaranea gibbosa	Araneidae	Araneae	common
Larinioides cornutus	Araneidae	Araneae	common
Mangora acalypha	Araneidae	Araneae	common
Neoscona adianta	Araneidae	Araneae	local
Nuctenea umbratica	Araneidae	Araneae	common
Zilla diodia	Araneidae	Araneae	local
Zygiella atrica	Araneidae	Araneae	common
Zygiella x-notata	Araneidae	Araneae	common
Clubiona brevipes	Clubionidae	Araneae	common
Clubiona compta	Clubionidae	Araneae	common
Clubiona phragmitis	Clubionidae	Araneae	local
Clubiona reclusa	Clubionidae	Araneae	common
Dictyna uncinata	Dictynidae	Araneae	common
Lathys humilis	Dictynidae	Araneae	common
Nigma walckenaeri	Dictynidae	Araneae	local
Harpactea hombergi	Dysderidae	Araneae	common
Bathypantes gracilis	Linyphiidae	Araneae	common
Dismodicus bifrons	Linyphiidae	Araneae	common
Erigone atra	Linyphiidae	Araneae	common
Erigone dentipalpis	Linyphiidae	Araneae	common
Hypomma bituberculatum	Linyphiidae	Araneae	common
Hypomma cornutum	Linyphiidae	Araneae	common
Linyphia triangularis	Linyphiidae	Araneae	common
Lophomma punctatum	Linyphiidae	Araneae	common
Monocephalus fuscipes	Linyphiidae	Araneae	common
Nerienne peltata	Linyphiidae	Araneae	common
Tenuiphantes tenuis	Linyphiidae	Araneae	common
Pardosa pullata	Lycosidae	Araneae	common
Pirata piraticus	Lycosidae	Araneae	common
Trochosa terricola	Lycosidae	Araneae	common
Philodromus albidus	Philodromidae	Araneae	common
Philodromus cespitum	Philodromidae	Araneae	common
Philodromus dispar	Philodromidae	Araneae	common
Tibellus oblongus	Philodromidae	Araneae	common
Pisaura mirabilis	Pisauridae	Araneae	common

Ballus chalybeius	Salticidae	Araneae	NS
Marpissa muscosa	Salticidae	Araneae	NS
Segestria senoculata	Segestriidae	Araneae	common
Metellina mengei	Tetragnathidae	Araneae	common
Metellina segmentata	Tetragnathidae	Araneae	common
Pachygnatha degeeri	Tetragnathidae	Araneae	common
Tetragnatha extensa	Tetragnathidae	Araneae	common
Tetragnatha montana	Tetragnathidae	Araneae	common
Anelosimus vittatus	Theridiidae	Araneae	common
Enoplognatha ovata	Theridiidae	Araneae	common
Episinus maculipes	Theridiidae	Araneae	NS
Paidiscura pallens	Theridiidae	Araneae	common
Phylloneta sisypbia	Theridiidae	Araneae	common
Platnickina tineta	Theridiidae	Araneae	local
Theridiosoma gemmosum	Theridiosomatidae	Araneae	NS
Misumena vatia	Thomisidae	Araneae	common
Ozyptila praticola	Thomisidae	Araneae	common
Xysticus cristatus	Thomisidae	Araneae	common
Zora spinimana	Zoridae	Araneae	common
Anobium fulvicorne	Anobiidae	Coleoptera	local
Anobium inexpectatum	Anobiidae	Coleoptera	NS
Anobium punctatum	Anobiidae	Coleoptera	common
Ochina ptnoides	Anobiidae	Coleoptera	local
Ptilinus pectinicornis	Anobiidae	Coleoptera	common
Xestobium rufovillosum	Anobiidae	Coleoptera	local
Anthicus antherinus	Anthiciidae	Coleoptera	common
Omonadus floralis	Anthiciidae	Coleoptera	common
Aphodius ater	Aphodiidae	Coleoptera	common
Aphodius contaminatus	Aphodiidae	Coleoptera	common
Aphodius fossor	Aphodiidae	Coleoptera	common
Aphodius rufipes	Aphodiidae	Coleoptera	common
Aphodius sphacelatus	Aphodiidae	Coleoptera	common
Apion frumentarium	Apionidae	Coleoptera	common
Eutrichapion ervi	Apionidae	Coleoptera	common
Exapion ulicis	Apionidae	Coleoptera	common
Ischnopterapion loti	Apionidae	Coleoptera	common
Perapion violaceum	Apionidae	Coleoptera	common
Protapion apricans	Apionidae	Coleoptera	common
Protapion fulvipes	Apionidae	Coleoptera	common
Agrilus laticornis	Buprestidae	Coleoptera	local
Agrilus sinuatus	Buprestidae	Coleoptera	common
Cantharis cryptica	Cantharidae	Coleoptera	common
Cantharis decipiens	Cantharidae	Coleoptera	common
Cantharis lateralis	Cantharidae	Coleoptera	common
Cantharis livida	Cantharidae	Coleoptera	common

Cantharis nigra (=thoracica) red scutellum	Cantharidae	Coleoptera	common
Cantharis nigricans	Cantharidae	Coleoptera	common
Cantharis rustica	Cantharidae	Coleoptera	common
Crudosilis ruficollis	Cantharidae	Coleoptera	common
Malthinus flaveolus	Cantharidae	Coleoptera	common
Malthinus seriepunctatus	Cantharidae	Coleoptera	common
Malthodes marginatus	Cantharidae	Coleoptera	common
Malthodes minimus	Cantharidae	Coleoptera	common
Rhagonycha fulva	Cantharidae	Coleoptera	common
Rhagonycha lignosa	Cantharidae	Coleoptera	common
Rhagonycha lutea	Cantharidae	Coleoptera	NS
Abax parallelepipedus	Carabidae	Coleoptera	common
Acupalpus dubius	Carabidae	Coleoptera	common
Amara familiaris	Carabidae	Coleoptera	common
Anchomenus dorsalis	Carabidae	Coleoptera	common
Badister bullatus	Carabidae	Coleoptera	common
Bembidion biguttatum	Carabidae	Coleoptera	common
Bembidion lampros	Carabidae	Coleoptera	common
Bembidion octomaculatum	Carabidae	Coleoptera	NS
Bembidion tetracolum	Carabidae	Coleoptera	common
Calodromius spilotus	Carabidae	Coleoptera	common
Carabus granulatus	Carabidae	Coleoptera	local
Demetrias atricapillus	Carabidae	Coleoptera	common
Dromius quadrimaculatus	Carabidae	Coleoptera	common
Harpalus affinis	Carabidae	Coleoptera	common
Harpalus rufipes	Carabidae	Coleoptera	common
Nebria brevicollis	Carabidae	Coleoptera	common
Notiophilus biguttatus	Carabidae	Coleoptera	common
Notiophilus substriatus	Carabidae	Coleoptera	common
Olisthopus rotundatus	Carabidae	Coleoptera	common
Oxypselaphus obscurus	Carabidae	Coleoptera	common
Paradromius linearis	Carabidae	Coleoptera	common
Paranchus albipes	Carabidae	Coleoptera	common
Philorhizus melanocephalus	Carabidae	Coleoptera	common
Pterostichus madidus	Carabidae	Coleoptera	common
Stenolophus mixtus	Carabidae	Coleoptera	local
Trechus quadristriatus	Carabidae	Coleoptera	common
Clytus arietis	Cerambycidae	Coleoptera	common
Grammoptera ruficornis	Cerambycidae	Coleoptera	common
Phymatodes testaceus	Cerambycidae	Coleoptera	local
Pseudovadonia livida	Cerambycidae	Coleoptera	common
Pyrrhidium sanguineum	Cerambycidae	Coleoptera	local
Rutpela maculata	Cerambycidae	Coleoptera	common
Agelastica alni	Chrysomelidae	Coleoptera	common

<i>Altica lythri</i>	Chrysomelidae	Coleoptera	common
<i>Bruchidius varius</i>	Chrysomelidae	Coleoptera	common
<i>Bruchus loti</i>	Chrysomelidae	Coleoptera	common
<i>Bruchus rufimanus</i>	Chrysomelidae	Coleoptera	common
<i>Bruchus rufipes</i>	Chrysomelidae	Coleoptera	common
<i>Cassida viridis</i>	Chrysomelidae	Coleoptera	common
<i>Crepidodera aurata</i>	Chrysomelidae	Coleoptera	common
<i>Crepidodera aurea</i>	Chrysomelidae	Coleoptera	common
<i>Crepidodera fulvicornis</i>	Chrysomelidae	Coleoptera	common
<i>Cryptocephalus pusillus</i>	Chrysomelidae	Coleoptera	common
<i>Donacia simplex</i>	Chrysomelidae	Coleoptera	common
<i>Epitrix pubescens</i>	Chrysomelidae	Coleoptera	common
<i>Galerucella californiensis</i>	Chrysomelidae	Coleoptera	common
<i>Galerucella lineola</i>	Chrysomelidae	Coleoptera	common
<i>Galerucella nymphaeae</i>	Chrysomelidae	Coleoptera	local
<i>Gastrophysa viridula</i>	Chrysomelidae	Coleoptera	common
<i>Hermaphysa mercurialis</i>	Chrysomelidae	Coleoptera	common
<i>Lochmaea crataegi</i>	Chrysomelidae	Coleoptera	common
<i>Longitarsus rubiginosus</i>	Chrysomelidae	Coleoptera	common
<i>Longitarsus symphyti</i>	Chrysomelidae	Coleoptera	NS
<i>Lythraia salicariae</i>	Chrysomelidae	Coleoptera	NS
<i>Neocrepidodera ferruginea</i>	Chrysomelidae	Coleoptera	common
<i>Neocrepidodera transversa</i>	Chrysomelidae	Coleoptera	common
<i>Phaedon tumidulus</i>	Chrysomelidae	Coleoptera	common
<i>Phratora laticollis</i>	Chrysomelidae	Coleoptera	common
<i>Phratora vulgatissima</i>	Chrysomelidae	Coleoptera	common
<i>Phyllotreta atra</i>	Chrysomelidae	Coleoptera	common
<i>Phyllotreta nemorum</i>	Chrysomelidae	Coleoptera	common
<i>Plagioderma versicolora</i>	Chrysomelidae	Coleoptera	common
<i>Psylliodes affinis</i>	Chrysomelidae	Coleoptera	common
<i>Psylliodes chrysocephala</i>	Chrysomelidae	Coleoptera	common
<i>Cis boleti</i>	Ciidae	Coleoptera	common
<i>Cis pygmaeus</i>	Ciidae	Coleoptera	local
<i>Ennearthron cornutum</i>	Ciidae	Coleoptera	common
<i>Octotemnus glabriculus</i>	Ciidae	Coleoptera	common
<i>Orthocis alni</i>	Ciidae	Coleoptera	local
<i>Opilo mollis</i>	Cleridae	Coleoptera	NS
<i>Anisosticta novemdecimpunctata</i>	Coccinellidae	Coleoptera	local
<i>Coccidula rufa</i>	Coccinellidae	Coleoptera	common
<i>Coccinella septempunctata</i>	Coccinellidae	Coleoptera	common
<i>Harmonia axyridis</i>	Coccinellidae	Coleoptera	common
<i>Propylea quattuordecimpunctata</i>	Coccinellidae	Coleoptera	common
<i>Rhyzobius chrysomeloides</i>	Coccinellidae	Coleoptera	common

<i>Rhyzobius litura</i>	Coccinellidae	Coleoptera	common
<i>Subcoccinella vigintiquattuorpunctata</i>	Coccinellidae	Coleoptera	common
<i>Tytthaspis sedecimpunctata</i>	Coccinellidae	Coleoptera	common
<i>Corylophus cassidoides</i>	Corylophidae	Coleoptera	common
<i>Atomaria mesomela</i>	Cryptophagidae	Coleoptera	local
<i>Cryptophagus dentatus</i>	Cryptophagidae	Coleoptera	common
<i>Ephistemus globulus</i>	Cryptophagidae	Coleoptera	common
<i>Micrambe ulicis</i>	Cryptophagidae	Coleoptera	common
<i>Telmatophilus caricis</i>	Cryptophagidae	Coleoptera	local
<i>Acalles misellus</i>	Curculionidae	Coleoptera	common
<i>Amalus scortillum</i>	Curculionidae	Coleoptera	local
<i>Anthonomus pedicularius</i>	Curculionidae	Coleoptera	common
<i>Anthonomus rubi</i>	Curculionidae	Coleoptera	common
<i>Archarius pyrrhoceras</i>	Curculionidae	Coleoptera	common
<i>Archarius salicivorus</i>	Curculionidae	Coleoptera	common
<i>Ceutorhynchus erysimi</i>	Curculionidae	Coleoptera	common
<i>Ceutorhynchus obstrictus</i>	Curculionidae	Coleoptera	common
<i>Ceutorhynchus pallidactylus</i>	Curculionidae	Coleoptera	common
<i>Curculio glandium</i>	Curculionidae	Coleoptera	common
<i>Datonychus melanostictus</i>	Curculionidae	Coleoptera	common
<i>Dryocoetes villosus</i>	Curculionidae	Coleoptera	local
<i>Euophryum confine</i>	Curculionidae	Coleoptera	common
<i>Gymnetron villosulum</i>	Curculionidae	Coleoptera	[Nb]
<i>Hypera plantaginis</i>	Curculionidae	Coleoptera	common
<i>Hypera pollux</i>	Curculionidae	Coleoptera	local
<i>Hypera rumicis</i>	Curculionidae	Coleoptera	common
<i>Magdalis armigera</i>	Curculionidae	Coleoptera	local
<i>Mecinus pascuorum</i>	Curculionidae	Coleoptera	common
<i>Nedys quadrimaculatus</i>	Curculionidae	Coleoptera	common
<i>Orchestes fagi</i>	Curculionidae	Coleoptera	common
<i>Orchestes pilosus</i>	Curculionidae	Coleoptera	common
<i>Orchestes signifer</i>	Curculionidae	Coleoptera	common
<i>Otiorhynchus sulcatus</i>	Curculionidae	Coleoptera	common
<i>Phyllobius glaucus</i>	Curculionidae	Coleoptera	common
<i>Phyllobius pyri</i>	Curculionidae	Coleoptera	common
<i>Phyllobius roboretanus</i>	Curculionidae	Coleoptera	common
<i>Polydrusus formosus</i>	Curculionidae	Coleoptera	[Na]
<i>Rhinocyllus conicus</i>	Curculionidae	Coleoptera	[Nb]
<i>Rhinoncus leucostigma</i>	Curculionidae	Coleoptera	common
<i>Rhinoncus perpendicularis</i>	Curculionidae	Coleoptera	common
<i>Scolytus intricatus</i>	Curculionidae	Coleoptera	common
<i>Scolytus multistriatus</i>	Curculionidae	Coleoptera	local
<i>Sitona hispidulus</i>	Curculionidae	Coleoptera	common
<i>Sitona lineatus</i>	Curculionidae	Coleoptera	common

<i>Tychius picirostris</i>	Curculionidae	Coleoptera	common
<i>Agabus bipustulatus</i>	Dytiscidae	Coleoptera	common
<i>Agabus paludosus</i>	Dytiscidae	Coleoptera	common
<i>Hydroporus memnonius</i>	Dytiscidae	Coleoptera	common
<i>Hydroporus palustris</i>	Dytiscidae	Coleoptera	common
<i>Hydroporus planus</i>	Dytiscidae	Coleoptera	common
<i>Hydroporus pubescens</i>	Dytiscidae	Coleoptera	common
<i>Ilybius fuliginosus</i>	Dytiscidae	Coleoptera	common
<i>Platambus maculatus</i>	Dytiscidae	Coleoptera	common
<i>Agriotes acuminatus</i>	Elateridae	Coleoptera	common
<i>Agriotes sputator</i>	Elateridae	Coleoptera	common
<i>Athous haemorrhoidalis</i>	Elateridae	Coleoptera	common
<i>Dalopius marginatus</i>	Elateridae	Coleoptera	common
<i>Kibunea minuta</i>	Elateridae	Coleoptera	common
<i>Melanotus castanipes</i>	Elateridae	Coleoptera	common
<i>Panspaeus guttatus</i>	Elateridae	Coleoptera	local
<i>Elmis aenea</i>	Elmidae	Coleoptera	common
<i>Notaris acridulus</i>	Erirhinidae	Coleoptera	local
<i>Anoplotrupes stercorosus</i>	Geotrupidae	Coleoptera	common
<i>Geotrupes spiniger</i>	Geotrupidae	Coleoptera	common
<i>Gyrinus substriatus</i>	Gyrinidae	Coleoptera	common
<i>Haliphus fluviatilis</i>	Haliplidae	Coleoptera	common
<i>Haliphus lineatocollis</i>	Haliplidae	Coleoptera	common
<i>Heterocerus fenestratus</i>	Heteroceridae	Coleoptera	common
<i>Dendrophilus punctatus</i>	Histeridae	Coleoptera	local
<i>Limnebius truncatellus</i>	Hydraenidae	Coleoptera	common
<i>Ochthebius minimus</i>	Hydraenidae	Coleoptera	common
<i>Cercyon analis</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon convexiusculus</i>	Hydrophilidae	Coleoptera	local
<i>Cercyon haemorrhoidalis</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon melanocephalus</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon lateralis</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon pygmaeus</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon sternalis</i>	Hydrophilidae	Coleoptera	local
<i>Cryptopleurum minutum</i>	Hydrophilidae	Coleoptera	common
<i>Cryptopleurum subtile</i>	Hydrophilidae	Coleoptera	common
<i>Dactylosternum abdominale</i>	Hydrophilidae	Coleoptera	local
<i>Helophorus brevipalpis</i>	Hydrophilidae	Coleoptera	common
<i>Megasternum concinnum</i>	Hydrophilidae	Coleoptera	common
<i>Sphaeridium scarabaeoides</i>	Hydrophilidae	Coleoptera	common
<i>Brachypterus glaber</i>	Kateretidae	Coleoptera	common
<i>Brachypterus urticae</i>	Kateretidae	Coleoptera	common
<i>Kateretes pusillus</i>	Kateretidae	Coleoptera	common
<i>Cartodere nodifer</i>	Latridiidae	Coleoptera	common
<i>Cortinicara gibbosa</i>	Latridiidae	Coleoptera	common

<i>Dorcus parallelipipedus</i>	Lucanidae	Coleoptera	common
<i>Axinotarsus marginalis</i>	Malachiidae	Coleoptera	common
<i>Cordylepherus viridis</i>	Malachiidae	Coleoptera	common
<i>Malachius bipustulatus</i>	Malachiidae	Coleoptera	common
<i>Abdera flexuosa</i>	Melandryidae	Coleoptera	NS
<i>Conopalpus testaceus</i>	Melandryidae	Coleoptera	local
<i>Monotoma picipes</i>	Monotomidae	Coleoptera	local
<i>Mordellistena neuwaldeggiana</i>	Mordellidae	Coleoptera	NS
<i>Eulagius filicornis</i>	Mycetophagidae	Coleoptera	DD (European)
<i>Mycetophagus quadripustulatus</i>	Mycetophagidae	Coleoptera	local
<i>Nanophyes marmoratus</i>	Nanophyidae	Coleoptera	common
<i>Epuraea aestiva</i>	Nitidulidae	Coleoptera	common
<i>Meligethes aeneus</i>	Nitidulidae	Coleoptera	common
<i>Meligethes ruficornis</i>	Nitidulidae	Coleoptera	common
<i>Meligethes symphyti</i>	Nitidulidae	Coleoptera	local
<i>Pria dulcamarae</i>	Nitidulidae	Coleoptera	common
<i>Oedemera lurida</i>	Oedemeridae	Coleoptera	common
<i>Oedemera nobilis</i>	Oedemeridae	Coleoptera	common
<i>Olibrus aeneus</i>	Phalacridae	Coleoptera	common
<i>Stilbus testaceus</i>	Phalacridae	Coleoptera	common
<i>Platypus cylindrus</i>	Platypodidae	Coleoptera	[Nb]
<i>Acrotrichis danica</i>	Ptiliidae	Coleoptera	common
<i>Acrotrichis fascicularis</i>	Ptiliidae	Coleoptera	common
<i>Pyrochroa serraticornis</i>	Pyrochroidae	Coleoptera	common
<i>Neocoenorrhinus aequatus</i>	Rhynchitidae	Coleoptera	common
<i>Salpingus planirostris</i>	Salpingidae	Coleoptera	common
<i>Aphodius ater</i>	Scarabaeidae	Coleoptera	common
<i>Aphodius contaminatus</i>	Scarabaeidae	Coleoptera	common
<i>Aphodius fossor</i>	Scarabaeidae	Coleoptera	common
<i>Aphodius prodromus</i>	Scarabaeidae	Coleoptera	common
<i>Aphodius sphacelatus</i>	Scarabaeidae	Coleoptera	common
<i>Anaspis fasciata</i>	Scraptiidae	Coleoptera	common
<i>Anaspis frontalis</i>	Scraptiidae	Coleoptera	common
<i>Anaspis maculata</i>	Scraptiidae	Coleoptera	common
<i>Anaspis pulicaria</i>	Scraptiidae	Coleoptera	common
<i>Anaspis regimbarti</i>	Scraptiidae	Coleoptera	common
<i>Anaspis rufilabris</i>	Scraptiidae	Coleoptera	common
<i>Silpha atrata</i>	Silphidae	Coleoptera	common
<i>Psammoecus bipunctatus</i>	Silvanidae	Coleoptera	local
<i>Silvanus bidentatus</i>	Silvanidae	Coleoptera	Nb
<i>Silvanus unidentatus</i>	Silvanidae	Coleoptera	local
<i>Uleiota planatus</i>	Silvanidae	Coleoptera	local
<i>Aleochara lanuginosa</i>	Staphylinidae	Coleoptera	common

<i>Amischa analis</i>	Staphylinidae	Coleoptera	common
<i>Anotylus rugosus</i>	Staphylinidae	Coleoptera	common
<i>Anotylus sculpturatus</i>	Staphylinidae	Coleoptera	common
<i>Anotylus tetracarınatus</i>	Staphylinidae	Coleoptera	common
<i>Astenus lyonessius</i>	Staphylinidae	Coleoptera	common
<i>Atheta liturata</i>	Staphylinidae	Coleoptera	common
<i>Atheta vaga</i>	Staphylinidae	Coleoptera	local
<i>Autalia impressa</i>	Staphylinidae	Coleoptera	common
<i>Bisnius fimetarius</i>	Staphylinidae	Coleoptera	common
<i>Cilea silphoides</i>	Staphylinidae	Coleoptera	local
<i>Cypha longicornis</i>	Staphylinidae	Coleoptera	common
<i>Deinopsis erosa</i>	Staphylinidae	Coleoptera	local
<i>Drusilla canaliculata</i>	Staphylinidae	Coleoptera	common
<i>Gabrius breviventer</i>	Staphylinidae	Coleoptera	common
<i>Gabrius splendidulus</i>	Staphylinidae	Coleoptera	common
<i>Hygronoma dimidiata</i>	Staphylinidae	Coleoptera	local
<i>Lesteva longoeleytrata</i>	Staphylinidae	Coleoptera	common
<i>Lesteva sicula</i>	Staphylinidae	Coleoptera	common
<i>Lithocharis nigriceps</i>	Staphylinidae	Coleoptera	common
<i>Metopsia clypeata</i>	Staphylinidae	Coleoptera	common
<i>Myllaena dubia</i>	Staphylinidae	Coleoptera	common
<i>Ocypus olens</i>	Staphylinidae	Coleoptera	common
<i>Ocyusa maura</i>	Staphylinidae	Coleoptera	local
<i>Oxytelus laqueatus</i>	Staphylinidae	Coleoptera	common
<i>Paederus riparius</i>	Staphylinidae	Coleoptera	common
<i>Philhygra volans</i>	Staphylinidae	Coleoptera	local
<i>Philonthus politus</i>	Staphylinidae	Coleoptera	common
<i>Philonthus quisquiliarius</i>	Staphylinidae	Coleoptera	local
<i>Philonthus varians</i>	Staphylinidae	Coleoptera	common
<i>Proteinus brachypterus</i>	Staphylinidae	Coleoptera	common
<i>Rugilus orbiculatus</i>	Staphylinidae	Coleoptera	common
<i>Stenus bifoveolatus</i>	Staphylinidae	Coleoptera	common
<i>Stenus boops</i>	Staphylinidae	Coleoptera	common
<i>Stenus brunnipes</i>	Staphylinidae	Coleoptera	common
<i>Stenus cicindeloides</i>	Staphylinidae	Coleoptera	common
<i>Stenus clavicornis</i>	Staphylinidae	Coleoptera	common
<i>Stenus impressus</i>	Staphylinidae	Coleoptera	common
<i>Stenus junı</i>	Staphylinidae	Coleoptera	common
<i>Stenus ossium</i>	Staphylinidae	Coleoptera	common
<i>Stenus pallipes</i>	Staphylinidae	Coleoptera	local
<i>Stenus similis</i>	Staphylinidae	Coleoptera	common
<i>Stenus tarsalis</i>	Staphylinidae	Coleoptera	common
<i>Sunius propinquus</i>	Staphylinidae	Coleoptera	common
<i>Tachinus rufipes</i>	Staphylinidae	Coleoptera	common
<i>Tachyporus chrysomelinus</i>	Staphylinidae	Coleoptera	common

<i>Tachyporus hypnorum</i>	Staphylinidae	Coleoptera	common
<i>Tachyporus pusillus</i>	Staphylinidae	Coleoptera	common
<i>Eledona agricola</i>	Tenebrionidae	Coleoptera	common
<i>Lagria hirta</i>	Tenebrionidae	Coleoptera	common
<i>Prionychus ater</i>	Tenebrionidae	Coleoptera	local
<i>Bitoma crenata</i>	Zopheridae	Coleoptera	local
<i>Synchita separanda</i>	Zopheridae	Coleoptera	NS
<i>Pacifastacus leniusculus</i>	Astacidae	Decapoda	common
<i>Forficula auricularia</i>	Forficulidae	Dermaptera	common
<i>Agromyza ferruginosa</i>	Agromyzidae	Diptera	common
<i>Phytomyza lappae</i>	Agromyzidae	Diptera	common
<i>Phytomyza spondylii</i>	Agromyzidae	Diptera	common
<i>Sylvicola cinctus</i>	Anisopodidae	Diptera	common
<i>Anthomyia liturata</i>	Anthomyiidae	Diptera	common
<i>Pegomya solennis</i>	Anthomyiidae	Diptera	common
<i>Pegoplata infirma</i>	Anthomyiidae	Diptera	common
<i>Machimus atricapillus</i>	Asilidae	Diptera	common
<i>Leptogaster cylindrica</i>	Asilidae	Diptera	common
<i>Dilophus febrilis</i>	Bibionidae	Diptera	common
<i>Calliphora vicina</i>	Calliphoridae	Diptera	common
<i>Calliphora vomitoria</i>	Calliphoridae	Diptera	common
<i>Lucilia sericata</i>	Calliphoridae	Diptera	common
<i>Dasineura crataegi</i>	Cecidomyiidae	Diptera	common
<i>Dasineura fraxini</i>	Cecidomyiidae	Diptera	common
<i>Dasineura pustulans</i>	Cecidomyiidae	Diptera	common
<i>Dasineura ulmaria</i>	Cecidomyiidae	Diptera	common
<i>Dasineura urticae</i>	Cecidomyiidae	Diptera	common
<i>Iteomyia capreae</i>	Cecidomyiidae	Diptera	common
<i>Jaapiella veronicae</i>	Cecidomyiidae	Diptera	common
<i>Macrodiplosis pustularis</i>	Cecidomyiidae	Diptera	common
<i>Macrodiplosis roboris</i>	Cecidomyiidae	Diptera	common
<i>Taxomyia taxi</i>	Cecidomyiidae	Diptera	common
<i>Chaoborus flavicans</i>	Chaoboridae	Diptera	common
<i>Elachiptera brevipennis</i>	Chloropidae	Diptera	common
<i>Oscinella frit</i>	Chloropidae	Diptera	common
<i>Thaumatomyia notata</i>	Chloropidae	Diptera	common
<i>Campsicnemus curvipes</i>	Dolichopodidae	Diptera	common
<i>Chrysotus gramineus</i>	Dolichopodidae	Diptera	common
<i>Dolichopus plumipes</i>	Dolichopodidae	Diptera	common
<i>Dolichopus unguatus</i>	Dolichopodidae	Diptera	common
<i>Medetara truncorum</i>	Dolichopodidae	Diptera	common
<i>Poecilobothrus nobilitatus</i>	Dolichopodidae	Diptera	common
<i>Drosophila suzukii</i>	Drosophilidae	Diptera	common
<i>Scaptomyza pallida</i>	Drosophilidae	Diptera	common
<i>Hilara maura</i>	Empididae	Diptera	common

Rhamphomyia tarsata	Empididae	Diptera	common
Hydrellia griseola	Ephydriidae	Diptera	common
Hydrellia maura	Ephydriidae	Diptera	common
Scatella lacustris	Ephydriidae	Diptera	common
Fannia serena	Fanniidae	Diptera	common
Lipoptena cervi	Hippoboscidae	Diptera	common
Ocydromia glabricula	Hybotidae	Diptera	common
Calliopum simillimum	Lauxaniidae	Diptera	common
Peplomyza litura	Lauxaniidae	Diptera	common
Helius pallirostris	Limoniidae	Diptera	Notable
Lonchoptera lutea	Lonchopteridae	Diptera	common
Neria cibaria	Micropezidae	Diptera	common
Helina impuncta	Muscidae	Diptera	common
Hydrotaea irritans	Muscidae	Diptera	common
Lispe tentaculata	Muscidae	Diptera	common
Mesembrina meridiana	Muscidae	Diptera	common
Geomyza tripunctata	Opomyzidae	Diptera	common
Opomyza florum	Opomyzidae	Diptera	common
Opomyza germinationis	Opomyzidae	Diptera	common
Palloptera umbellatarum	Pallopteridae	Diptera	common
Pollenia viatica	Polleniidae	Diptera	common
Pericoma nubila	Psychodidae	Diptera	common
Pericoma trivialis	Psychodidae	Diptera	common
Ptychoptera albimana	Ptychopteridae	Diptera	common
Ptychoptera contaminata	Ptychopteridae	Diptera	common
Chrysopilus cristatus	Rhagionidae	Diptera	common
Rhagio scolopaceus	Rhagionidae	Diptera	common
Nyctia halterata	Sarcophagidae	Diptera	common
Sarcophaga carnaria	Sarcophagidae	Diptera	common
Cordilura ciliata	Scathophagidae	Diptera	common
Scathophaga furcata	Scathophagidae	Diptera	common
Scathophaga stercoraria	Scathophagidae	Diptera	common
Apiloscatopse flavicollis	Scatopsidae	Diptera	common
Bradysia nitidicollis	Sciaridae	Diptera	common
Corynoptera flavosignata	Sciaridae	Diptera	common
Ilione albiseta	Sciomyzidae	Diptera	common
Pherbellia cinerella	Sciomyzidae	Diptera	common
Pherbina coryleti	Sciomyzidae	Diptera	common
Renocera pallida	Sciomyzidae	Diptera	common
Tetanocera elata	Sciomyzidae	Diptera	common
Tetanocera ferruginea	Sciomyzidae	Diptera	common
Sepsis cynipsea	Sepsidae	Diptera	common
Themira lucida	Sepsidae	Diptera	common
Beris chalybata	Stratiomyidae	Diptera	common
Beris vallata	Stratiomyidae	Diptera	common

<i>Chloromyia formosa</i>	Stratiomyidae	Diptera	common
<i>Pachygaster atra</i>	Stratiomyidae	Diptera	common
<i>Cheilosia albitarsis</i>	Syrphidae	Diptera	common
<i>Cheilosia illustrata</i>	Syrphidae	Diptera	common
<i>Episyrphus balteatus</i>	Syrphidae	Diptera	common
<i>Eristalis arbustorum</i>	Syrphidae	Diptera	common
<i>Eristalis pertinax</i>	Syrphidae	Diptera	common
<i>Eristalis tenax</i>	Syrphidae	Diptera	common
<i>Eupeodes corollae</i>	Syrphidae	Diptera	common
<i>Eupeodes luniger</i>	Syrphidae	Diptera	common
<i>Helophilus pendulus</i>	Syrphidae	Diptera	common
<i>Lejogaster metallina</i>	Syrphidae	Diptera	common
<i>Melanostoma mellinum</i>	Syrphidae	Diptera	common
<i>Melanostoma scalare</i>	Syrphidae	Diptera	common
<i>Myathropa florea</i>	Syrphidae	Diptera	common
<i>Neoascia podagrica</i>	Syrphidae	Diptera	common
<i>Platycheirus albimanus</i>	Syrphidae	Diptera	common
<i>Platycheirus rosarum</i>	Syrphidae	Diptera	common
<i>Scaeva pyrastris</i>	Syrphidae	Diptera	common
<i>Sphaerophoria scripta</i>	Syrphidae	Diptera	common
<i>Syritta pipiens</i>	Syrphidae	Diptera	common
<i>Syrphus ribesii</i>	Syrphidae	Diptera	common
<i>Volucella inanis</i>	Syrphidae	Diptera	common
<i>Volucella pellucens</i>	Syrphidae	Diptera	common
<i>Haematopota pluvialis</i>	Tabanidae	Diptera	common
<i>Tabanus bromius</i>	Tabanidae	Diptera	common
<i>Eriothrix rufomaculata</i>	Tachinidae	Diptera	common
<i>Lydella stabulans</i>	Tachinidae	Diptera	common
<i>Tachina fera</i>	Tachinidae	Diptera	common
<i>Anomoia purmunda</i>	Tephritidae	Diptera	common
<i>Tephritis neesii</i>	Tephritidae	Diptera	common
<i>Terellia tussilaginis</i>	Tephritidae	Diptera	common
<i>Urophora cardui</i>	Tephritidae	Diptera	common
<i>Urophora jaceana</i>	Tephritidae	Diptera	common
<i>Nephrotoma appendiculata</i>	Tipulidae	Diptera	common
<i>Melieria crassipennis</i>	Ulidiidae	Diptera	common
<i>Orchesella cincta</i>	Entomobryidae	Entomobryomorpha	common
<i>Verhoeffiella longicornis</i>	Entomobryidae	Entomobryomorpha	common
<i>Tomocerus vulgaris</i>	Tomoceridae	Entomobryomorpha	common
<i>Serratella ignita</i>	Ephemerellidae	Ephemeroptera	common
<i>Ephemera danica</i>	Ephemeridae	Ephemeroptera	common
<i>Ephemera vulgata</i>	Ephemeridae	Ephemeroptera	local
<i>Cyphostethus tristriatus</i>	Acanthosomatidae	Hemiptera	common
<i>Elasmucha grisea</i>	Acanthosomatidae	Hemiptera	common
<i>Acompocoris pygmaeus</i>	Anthocoridae	Hemiptera	common

<i>Anthocoris confusus</i>	Anthocoridae	Hemiptera	common
<i>Anthocoris limbatus</i>	Anthocoridae	Hemiptera	common
<i>Anthocoris nemoralis</i>	Anthocoridae	Hemiptera	common
<i>Anthocoris nemorum</i>	Anthocoridae	Hemiptera	common
<i>Buchananiella continua</i>	Anthocoridae	Hemiptera	common
<i>Cardiastethus fasciiventris</i>	Anthocoridae	Hemiptera	common
<i>Temnostethus gracilis</i>	Anthocoridae	Hemiptera	common
<i>Temnostethus pusillus</i>	Anthocoridae	Hemiptera	common
<i>Eriosoma ulmi</i>	Aphididae	Hemiptera	common
<i>Pemphigus bursarius</i>	Aphididae	Hemiptera	common
<i>Pemphigus spyrothecae</i>	Aphididae	Hemiptera	common
<i>Tetraneura ulmi</i>	Aphididae	Hemiptera	common
<i>Aphrophora alni</i>	Aphrophoridae	Hemiptera	common
<i>Neophilaenus lineatus</i>	Aphrophoridae	Hemiptera	common
<i>Philaenus spumarius</i>	Aphrophoridae	Hemiptera	common
<i>Aneurus avenius</i>	Aradidae	Hemiptera	common
<i>Alebra albostriella</i>	Cicadellidae	Hemiptera	common
<i>Allygus modestus</i>	Cicadellidae	Hemiptera	common
<i>Aphrodes makarovi</i>	Cicadellidae	Hemiptera	common
<i>Cicadella viridis</i>	Cicadellidae	Hemiptera	common
<i>Cicadula flori</i>	Cicadellidae	Hemiptera	Nb
<i>Conosanus obsoletus</i>	Cicadellidae	Hemiptera	common
<i>Edwardsiana candidula</i>	Cicadellidae	Hemiptera	common
<i>Empoasca vitis</i>	Cicadellidae	Hemiptera	common
<i>Eupteryx aurata</i>	Cicadellidae	Hemiptera	common
<i>Eupteryx urticae</i>	Cicadellidae	Hemiptera	common
<i>Euscelis incisus</i>	Cicadellidae	Hemiptera	common
<i>Evacanthus interruptus</i>	Cicadellidae	Hemiptera	local
<i>Grypotes puncticollis</i>	Cicadellidae	Hemiptera	common
<i>Iassus lanio</i>	Cicadellidae	Hemiptera	common
<i>Iassus scutellaris</i>	Cicadellidae	Hemiptera	NA
<i>Kybos butleri</i>	Cicadellidae	Hemiptera	common
<i>Macropsis prasina</i>	Cicadellidae	Hemiptera	common
<i>Macrosteles variatus</i>	Cicadellidae	Hemiptera	common
<i>Macrosteles viridigriseus</i>	Cicadellidae	Hemiptera	local
<i>Metidiocerus rutilans</i>	Cicadellidae	Hemiptera	common
<i>Oncopsis carpini</i>	Cicadellidae	Hemiptera	common
<i>Ribautiana ulmi</i>	Cicadellidae	Hemiptera	common
<i>Stenidiocerus poecilus</i>	Cicadellidae	Hemiptera	local
<i>Thamnotettix dilutior</i>	Cicadellidae	Hemiptera	common
<i>Coreus marginatus</i>	Coreidae	Hemiptera	common
<i>Corixa punctata</i>	Corixidae	Hemiptera	common
<i>Hesperocorixa sahlbergi</i>	Corixidae	Hemiptera	common
<i>Conomelus anceps</i>	Delphacidae	Hemiptera	common
<i>Javesella dubia</i>	Delphacidae	Hemiptera	common

<i>Stenocranus minutus</i>	Delphacidae	Hemiptera	common
<i>Gerris lacustris</i>	Gerridae	Hemiptera	common
<i>Hydrometra stagnorum</i>	Hydrometridae	Hemiptera	common
<i>Issus coleoptratus</i>	Issidae	Hemiptera	common
<i>Cymus melanocephalus</i>	Lygaeidae	Hemiptera	common
<i>Heterogaster urticae</i>	Lygaeidae	Hemiptera	common
<i>Ischnodemus sabuleti</i>	Lygaeidae	Hemiptera	common
<i>Kleidocerys resedae</i>	Lygaeidae	Hemiptera	common
<i>Metopoplax ditomoides</i>	Lygaeidae	Hemiptera	local
<i>Nysius huttoni</i>	Lygaeidae	Hemiptera	common
<i>Orsillus depressus</i>	Lygaeidae	Hemiptera	common
<i>Peritrechus geniculatus</i>	Lygaeidae	Hemiptera	common
<i>Peritrechus lundii</i>	Lygaeidae	Hemiptera	common
<i>Scolopostethus thomsoni</i>	Lygaeidae	Hemiptera	common
<i>Loricula elegantula</i>	Microphysidae	Hemiptera	common
<i>Amblytylus nasutus</i>	Miridae	Hemiptera	common
<i>Atractotomus magnicornis</i>	Miridae	Hemiptera	common
<i>Atractotomus mali</i>	Miridae	Hemiptera	common
<i>Campyloneura virgula</i>	Miridae	Hemiptera	common
<i>Capsus ater</i>	Miridae	Hemiptera	common
<i>Closterotomus norwegicus</i>	Miridae	Hemiptera	common
<i>Cyllocoris histrionius</i>	Miridae	Hemiptera	common
<i>Deraeocoris flavilinea</i>	Miridae	Hemiptera	common
<i>Deraeocoris ruber</i>	Miridae	Hemiptera	common
<i>Deraeocoris lutescens</i>	Miridae	Hemiptera	common
<i>Dicyphus epilobii</i>	Miridae	Hemiptera	common
<i>Dicyphus stachydis</i>	Miridae	Hemiptera	common
<i>Europiella artemisiae</i>	Miridae	Hemiptera	common
<i>Grypocoris stysi</i>	Miridae	Hemiptera	common
<i>Halticus luteicollis</i>	Miridae	Hemiptera	local
<i>Harpocera thoracica</i>	Miridae	Hemiptera	common
<i>Heterotoma planicornis</i>	Miridae	Hemiptera	common
<i>Leptopterna dolabrata</i>	Miridae	Hemiptera	common
<i>Liocoris tripustulatus</i>	Miridae	Hemiptera	common
<i>Lopus decolor</i>	Miridae	Hemiptera	local
<i>Lygus pratensis</i>	Miridae	Hemiptera	common
<i>Macrotylus horvathi</i>	Miridae	Hemiptera	local
<i>Malacocoris chlorizans</i>	Miridae	Hemiptera	common
<i>Megacoelum infusum</i>	Miridae	Hemiptera	common
<i>Megaloceroea recticornis</i>	Miridae	Hemiptera	common
<i>Miridius quadrivirgatus</i>	Miridae	Hemiptera	local
<i>Miris striatus</i>	Miridae	Hemiptera	common
<i>Monalocoris filicis</i>	Miridae	Hemiptera	common
<i>Notostira elongata</i>	Miridae	Hemiptera	common
<i>Oncotylus viridiflavus</i>	Miridae	Hemiptera	local

<i>Orthops campestris</i>	Miridae	Hemiptera	common
<i>Orthotylus marginalis</i>	Miridae	Hemiptera	common
<i>Orthotylus bilineatus</i>	Miridae	Hemiptera	local
<i>Phylus coryli</i>	Miridae	Hemiptera	common
<i>Phylus melanocephalus</i>	Miridae	Hemiptera	common
<i>Phytocoris varipes</i>	Miridae	Hemiptera	common
<i>Phytocoris tiliae</i>	Miridae	Hemiptera	common
<i>Pilophorus clavatus</i>	Miridae	Hemiptera	common
<i>Pilophorus perplexus</i>	Miridae	Hemiptera	common
<i>Pinalitus cervinus</i>	Miridae	Hemiptera	common
<i>Pithanus maerkelii</i>	Miridae	Hemiptera	common
<i>Plagiognathus arbustorum</i>	Miridae	Hemiptera	common
<i>Plagiognathus chrysanthemi</i>	Miridae	Hemiptera	common
<i>Psallus perrisi</i>	Miridae	Hemiptera	common
<i>Psallus varians</i>	Miridae	Hemiptera	common
<i>Salicarus roseri</i>	Miridae	Hemiptera	common
<i>Stenodema calcarata</i>	Miridae	Hemiptera	common
<i>Stenodema laevigata</i>	Miridae	Hemiptera	common
<i>Stenotus binotatus</i>	Miridae	Hemiptera	common
<i>Teratocoris antennatus</i>	Miridae	Hemiptera	local
<i>Tupiocoris rhododendri</i>	Miridae	Hemiptera	common
<i>Himacerus mirmicoides</i>	Nabidae	Hemiptera	common
<i>Himacerus apterus</i>	Nabidae	Hemiptera	common
<i>Nabis lineatus</i>	Nabidae	Hemiptera	common
<i>Nabis flavomarginatus</i>	Nabidae	Hemiptera	common
<i>Nabis rugosus</i>	Nabidae	Hemiptera	common
<i>Nepa cinerea</i>	Nepidae	Hemiptera	common
<i>Notonecta glauca</i>	Notonectidae	Hemiptera	common
<i>Notonecta maculata</i>	Notonectidae	Hemiptera	common
<i>Aelia acuminata</i>	Pentatomidae	Hemiptera	common
<i>Dolycoris baccarum</i>	Pentatomidae	Hemiptera	common
<i>Eysarcoris venustissimus</i>	Pentatomidae	Hemiptera	common
<i>Palomena prasina</i>	Pentatomidae	Hemiptera	common
<i>Pentatoma rufipes</i>	Pentatomidae	Hemiptera	common
<i>Piezodorus lituratus</i>	Pentatomidae	Hemiptera	common
<i>Cacopsylla peregrina</i>	Psyllidae	Hemiptera	common
<i>Psylla alni sensu stricto</i>	Psyllidae	Hemiptera	common
<i>Psyllopsis fraxini</i>	Psyllidae	Hemiptera	common
<i>Psyllopsis fraxinicola</i>	Psyllidae	Hemiptera	common
<i>Stictopleurus abutilon</i>	Rhopalidae	Hemiptera	common
<i>Saldula saltatoria</i>	Saldidae	Hemiptera	common
<i>Eurygaster testudinaria</i>	Scutelleridae	Hemiptera	common
<i>Derephysia foliacea</i>	Tingidae	Hemiptera	local
<i>Physatocheila dumetorum</i>	Tingidae	Hemiptera	common
<i>Tingis ampliata</i>	Tingidae	Hemiptera	common

<i>Tingis cardui</i>	Tingidae	Hemiptera	common
<i>Trioza remota</i>	Triozidae	Hemiptera	common
<i>Trioza urticae</i>	Triozidae	Hemiptera	common
<i>Microvelia reticulata</i>	Veliidae	Hemiptera	common
<i>Velia (Plesiovelia) caprai</i>	Veliidae	Hemiptera	common
<i>Ampullaceana balthica</i>	Lymnaeidae	Hygrophila	common
<i>Lymnaea stagnalis</i>	Lymnaeidae	Hygrophila	common
<i>Andrena florea</i>	Andrenidae	Hymenoptera	RDB 3
<i>Andrena fulva</i>	Andrenidae	Hymenoptera	common
<i>Andrena haemorrhoa</i>	Andrenidae	Hymenoptera	common
<i>Andrena minutula</i>	Andrenidae	Hymenoptera	common
<i>Apis mellifera</i>	Apidae	Hymenoptera	common
<i>Bombus hortorum</i>	Apidae	Hymenoptera	common
<i>Bombus hypnorum</i>	Apidae	Hymenoptera	common
<i>Bombus lapidarius</i>	Apidae	Hymenoptera	common
<i>Bombus lucorum</i>	Apidae	Hymenoptera	common
<i>Bombus pascuorum</i>	Apidae	Hymenoptera	common
<i>Bombus pratorum</i>	Apidae	Hymenoptera	common
<i>Bombus terrestris</i>	Apidae	Hymenoptera	common
<i>Cephus pygmeus</i>	Cephidae	Hymenoptera	common
<i>Colletes hederæ</i>	Colletidae	Hymenoptera	common
<i>Crabro cribrarius</i>	Crabronidae	Hymenoptera	common
<i>Ectemnius lituratus</i>	Crabronidae	Hymenoptera	common
<i>Pemphredon inornata</i>	Crabronidae	Hymenoptera	common
<i>Pemphredon lugubris</i>	Crabronidae	Hymenoptera	common
<i>Andricus aries</i>	Cynipidae	Hymenoptera	common
<i>Andricus kollari</i>	Cynipidae	Hymenoptera	common
<i>Andricus quercuscalicis</i>	Cynipidae	Hymenoptera	common
<i>Biorhiza pallida</i>	Cynipidae	Hymenoptera	common
<i>Diplolepis rosae</i>	Cynipidae	Hymenoptera	common
<i>Neuroterus quercusbaccarum</i>	Cynipidae	Hymenoptera	common
<i>Neuroterus numismalis</i>	Cynipidae	Hymenoptera	common
<i>Neuroterus albipes</i>	Cynipidae	Hymenoptera	common
<i>Lasius brunneus</i>	Formicidae	Hymenoptera	Na
<i>Lasius fuliginosus</i>	Formicidae	Hymenoptera	local
<i>Lasius niger</i>	Formicidae	Hymenoptera	common
<i>Lasius platythorax</i>	Formicidae	Hymenoptera	common
<i>Myrmica rubra</i>	Formicidae	Hymenoptera	common
<i>Myrmica ruginodis</i>	Formicidae	Hymenoptera	common
<i>Myrmica scabrinodis</i>	Formicidae	Hymenoptera	common
<i>Temnothorax nylanderi</i>	Formicidae	Hymenoptera	local
<i>Gasteruption jaculator</i>	Gasteruptionidae	Hymenoptera	common
<i>Lasioglossum morio</i>	Halictidae	Hymenoptera	common
<i>Amblyteles armatorius</i>	Ichneumonidae	Hymenoptera	common
<i>Pimpla rufipes</i>	Ichneumonidae	Hymenoptera	common

Vulgichneumon saturatorius	Ichneumonidae	Hymenoptera	common
Macropis europaea	Melittidae	Hymenoptera	Na
Dipogon subintermedius	Pompilidae	Hymenoptera	common
Priocnemis fennica	Pompilidae	Hymenoptera	common
Aneugmenus padi	Tenthredinidae	Hymenoptera	common
Caliroa annulipes	Tenthredinidae	Hymenoptera	common
Euura proxima	Tenthredinidae	Hymenoptera	common
Stromboceros delicatulus	Tenthredinidae	Hymenoptera	common
Vespa crabro	Vespidae	Hymenoptera	common
Vespula vulgaris	Vespidae	Hymenoptera	common
Asellus aquaticus	Asellidae	Isopoda	common
Oniscus asellus	Oniscidae	Isopoda	common
Philoscia muscorum	Philosciidae	Isopoda	common
Porcellio scaber	Porcellionidae	Isopoda	common
Trichoniscus pusillus	Trichoniscidae	Isopoda	common
Tachypodoiulus niger	Julidae	Julida	common
Blastobasis adustella	Blastobasidae	Lepidoptera	common
Bucculatrix thoracella	Bucculatricidae	Lepidoptera	common
Anthophila fabriciana	Choreutidae	Lepidoptera	common
Cosmopterix zieglerella	Cosmopterigidae	Lepidoptera	common
Acentria ephemerella	Crambidae	Lepidoptera	common
Agriphila geniculea	Crambidae	Lepidoptera	common
Agriphila straminella	Crambidae	Lepidoptera	common
Agriphila tristella	Crambidae	Lepidoptera	common
Chrysoteuchia culmella	Crambidae	Lepidoptera	common
Crambus lathoniellus	Crambidae	Lepidoptera	common
Crambus pascuella	Crambidae	Lepidoptera	common
Crambus perlella	Crambidae	Lepidoptera	common
Elophila nymphaeata	Crambidae	Lepidoptera	common
Eudonia mercurella	Crambidae	Lepidoptera	common
Nomophila noctuella	Crambidae	Lepidoptera	common
Pleuroptya ruralis	Crambidae	Lepidoptera	common
Scoparia ambigualis	Crambidae	Lepidoptera	common
Udea olivalis	Crambidae	Lepidoptera	common
Udea prunalis	Crambidae	Lepidoptera	common
Agonopterix arenella	Depressariidae	Lepidoptera	common
Agonopterix heracliiana	Depressariidae	Lepidoptera	common
			Section 41 Priority Species - research only;VU
Watsonalla binaria	Drepanidae	Lepidoptera	
Eilema lurideola	Erebidae	Lepidoptera	common
Lithosia quadra	Erebidae	Lepidoptera	common
Rivula sericealis	Erebidae	Lepidoptera	common
Tyria jacobaeae	Erebidae	Lepidoptera	LC

			(Global);Section 41 Priority Species - research only
Dyseriocrania subpurpurella	Eriocraniidae	Lepidoptera	common
Hemistola chrysoprasaria	Geometridae	Lepidoptera	common
Idaea aversata	Geometridae	Lepidoptera	common
Opisthograptis luteolata	Geometridae	Lepidoptera	common
Petrophora chlorosata	Geometridae	Lepidoptera	common
Caloptilia stigmatella	Gracillariidae	Lepidoptera	common
Cameraria ohridella	Gracillariidae	Lepidoptera	common
Phyllonorycter coryli	Gracillariidae	Lepidoptera	common
Phyllonorycter corylifoliella	Gracillariidae	Lepidoptera	common
Phyllonorycter messaniella	Gracillariidae	Lepidoptera	common
Phyllonorycter oxyacanthae	Gracillariidae	Lepidoptera	common
Phyllonorycter schreberella	Gracillariidae	Lepidoptera	common
Phyllonorycter tristrigella	Gracillariidae	Lepidoptera	common
Phyllonorycter viminiella	Gracillariidae	Lepidoptera	common
Ochlodes sylvanus	Hesperiidae	Lepidoptera	common
Thymelicus sylvestris	Hesperiidae	Lepidoptera	common
Incurvaria masculella	Incurvariidae	Lepidoptera	common
Celastrina argiolus	Lycaenidae	Lepidoptera	common
Leucoptera malifoliella	Lyonetiidae	Lepidoptera	common
Lyonetia clerkella	Lyonetiidae	Lepidoptera	common
Micropterix calthella	Micropterigidae	Lepidoptera	common
Stigmella aurella	Nepticulidae	Lepidoptera	common
Stigmella hybnerella	Nepticulidae	Lepidoptera	common
Stigmella lemniscella	Nepticulidae	Lepidoptera	common
Stigmella malella	Nepticulidae	Lepidoptera	common
Stigmella oxyacanthella	Nepticulidae	Lepidoptera	common
Stigmella perpygmaeella	Nepticulidae	Lepidoptera	common
Stigmella trimaculella	Nepticulidae	Lepidoptera	common
Stigmella ulmivora	Nepticulidae	Lepidoptera	common
Agrotis clavis	Noctuidae	Lepidoptera	common
Agrotis exclamationis	Noctuidae	Lepidoptera	common
Autographa gamma	Noctuidae	Lepidoptera	common
Nonagria typhae	Noctuidae	Lepidoptera	common
Orthosia cerasi	Noctuidae	Lepidoptera	common
Aglais io	Nymphalidae	Lepidoptera	common
Aglais urticae	Nymphalidae	Lepidoptera	common
Maniola jurtina	Nymphalidae	Lepidoptera	common
Melanargia galathea	Nymphalidae	Lepidoptera	common
Pararge aegeria	Nymphalidae	Lepidoptera	common
Pyronia tithonus	Nymphalidae	Lepidoptera	common
Vanessa atalanta	Nymphalidae	Lepidoptera	common

Vanessa cardui	Nymphalidae	Lepidoptera	common
Hofmannophila pseudospretella	Oecophoridae	Lepidoptera	common
Carcina quercana	Peleopodidae	Lepidoptera	common
Gonepteryx rhamni	Pieridae	Lepidoptera	common
Pieris brassicae	Pieridae	Lepidoptera	common
Pieris napi	Pieridae	Lepidoptera	common
Pieris rapae	Pieridae	Lepidoptera	common
Anthocharis cardamines	Pieridae	Lepidoptera	common
Plutella xylostella	Plutellidae	Lepidoptera	common
Prays fraxinella	Praydidae	Lepidoptera	common
Acrobasis advenella	Pyalidae	Lepidoptera	common
Aphomia sociella	Pyalidae	Lepidoptera	common
Endotricha flammealis	Pyalidae	Lepidoptera	common
Hypsopygia glaucinalis	Pyalidae	Lepidoptera	common
Phycita roborella	Pyalidae	Lepidoptera	common
Phycitodes binaevella	Pyalidae	Lepidoptera	common
Acleris forsskaleana	Tortricidae	Lepidoptera	common
Agapeta hamana	Tortricidae	Lepidoptera	common
Aleimma loeflingiana	Tortricidae	Lepidoptera	common
Archips podana	Tortricidae	Lepidoptera	common
Celypha lacunana	Tortricidae	Lepidoptera	common
Celypha striana	Tortricidae	Lepidoptera	common
Cydia pomonella	Tortricidae	Lepidoptera	common
Ditula angustiorana	Tortricidae	Lepidoptera	common
Endothenia marginana	Tortricidae	Lepidoptera	common
Epiphyas postvittana	Tortricidae	Lepidoptera	common
Grapholita compositella	Tortricidae	Lepidoptera	common
Gypsonoma dealbana	Tortricidae	Lepidoptera	common
Hedya nubiferana	Tortricidae	Lepidoptera	common
Lozotaenia forsterana	Tortricidae	Lepidoptera	common
Notocelia uddmanniana	Tortricidae	Lepidoptera	common
Pandemis corylana	Tortricidae	Lepidoptera	common
Tortrix viridana	Tortricidae	Lepidoptera	common
Paraswammerdamia nebulella	Yponomeutidae	Lepidoptera	common
Lithobius forficatus	Lithobiidae	Lithobiomorpha	common
Bithynia tentaculata	Bithyniidae	Littorinimorpha	common
Potamopyrgus antipodarum	Tateidae	Littorinimorpha	common
Panorpa communis	Panorpidae	Mecoptera	common
Chrysopa perla	Chrysopidae	Neuroptera	common
Aeshna cyanea	Aeshnidae	Odonata	common
Aeshna mixta	Aeshnidae	Odonata	common
Calopteryx splendens	Calopterygidae	Odonata	common
Ischnura elegans	Coenagrionidae	Odonata	common

Orthetrum cancellatum	Libellulidae	Odonata	common
Libellula depressa	Libellulidae	Odonata	common
Sympetrum striolatum	Libellulidae	Odonata	common
Dicranopalpus ramosus sensu lato	Phalangiidae	Opiliones	common
Leiobunum rotundum	Phalangiidae	Opiliones	common
Mitopus morio	Phalangiidae	Opiliones	common
Paroligolophus agrestis	Phalangiidae	Opiliones	common
Chorthippus brunneus	Acrididae	Orthoptera	common
Chorthippus parallelus	Acrididae	Orthoptera	common
Omocestus viridulus	Acrididae	Orthoptera	common
Conocephalus fuscus	Conocephalidae	Orthoptera	common
Meconema thalassinum	Meconematidae	Orthoptera	common
Leptophyes punctatissima	Phaneropteridae	Orthoptera	common
Tetrix subulata	Tetrigidae	Orthoptera	common
Pholidoptera griseoaptera	Tettigoniidae	Orthoptera	common
Roeseliana roeselii	Tettigoniidae	Orthoptera	common
Polyxenus lagurus	Polyxenidae	Polyxenida	common
Chernes cimicoides	Chernetidae	Pseudoscorpiones	common
Valenzuela flavidus	Caeciliusidae	Psocoptera	common
Ectopsocus briggisi	Ectopsocidae	Psocoptera	common
Graphopsocus cruciatus	Stenopsocidae	Psocoptera	common
Ampullaceana balthica	Lymnaeidae	Hygrophila	common
Planorbis planorbis	Planorbidae	Hygrophila	common
Arion ater agg.	Arionidae	Pulmonata	common
Arion subfuscus	Arionidae	Pulmonata	common
Cochlicopa cf. lubrica	Cochlicopidae	Pulmonata	common
Cepaea nemoralis	Helicidae	Pulmonata	common
Cornu aspersum	Helicidae	Pulmonata	common
Hygromia cinctella	Hygromiidae	Pulmonata	common
Monacha cantiana	Hygromiidae	Pulmonata	common
Limax maximus	Limacidae	Pulmonata	common
Tandonia budapestensis	Milacidae	Pulmonata	common
Oxyloma elegans	Succineidae	Pulmonata	common
Succinea putris	Succineidae	Pulmonata	common
Arianta arbustorum	Helicidae	Pulmonata	local
Alboglossiphonia heteroclita	Glossiphoniidae	Rhynchobdellida	common
Glossiphonia complanata	Glossiphoniidae	Rhynchobdellida	common
Helobdella stagnalis	Glossiphoniidae	Rhynchobdellida	common
Goera pilosa	Goeridae	Trichoptera	common
Hydropsyche contubernalis	Hydropsychidae	Trichoptera	common
Mystacides azurea	Leptoceridae	Trichoptera	common
Mystacides longicornis	Leptoceridae	Trichoptera	common
Triaenodes bicolor	Leptoceridae	Trichoptera	common
Glyptotaelius pellucidus	Limnephilidae	Trichoptera	common

<i>Limnephilus lunatus</i>	Limnephilidae	Trichoptera	common
<i>Molanna angustata</i>	Molannidae	Trichoptera	common
<i>Cyrnus trimaculatus</i>	Polycentropodidae	Trichoptera	common
<i>Neureclipsis bimaculata</i>	Polycentropodidae	Trichoptera	common
<i>Polycentropus irroratus</i>	Polycentropodidae	Trichoptera	common
<i>Aceria campestricola</i>	Eriophyidae	Trombidiformes	common
<i>Eriophyes crataegi</i>	Eriophyidae	Trombidiformes	common
<i>Eriophyes inangulis</i>	Eriophyidae	Trombidiformes	common
<i>Eriophyes laevis</i>	Eriophyidae	Trombidiformes	common
<i>Eriophyes tiliae</i>	Eriophyidae	Trombidiformes	common
<i>Sphaerium corneum</i>	Sphaeriidae	Veneroida	common
<i>Valvata piscinalis</i>	Valvatidae		common

Fields east of Willow Pond Farm 2023

Species	Family	Order	Conservation status
<i>Nuctenea umbratica</i>	Araneidae	Araneae	common
<i>Erigone atra</i>	Linyphiidae	Araneae	common
<i>Pardosa prativaga</i>	Lycosidae	Araneae	common
<i>Metellina menzei</i>	Tetragnathidae	Araneae	common
<i>Tetragnatha extensa</i>	Tetragnathidae	Araneae	common
<i>Tetragnatha montana</i>	Tetragnathidae	Araneae	common
<i>Anelosimus vittatus</i>	Theridiidae	Araneae	common
<i>Paidiscura pallens</i>	Theridiidae	Araneae	common
<i>Xysticus cristatus</i>	Thomisidae	Araneae	common
<i>Cantharis decipiens</i>	Cantharidae	Coleoptera	common
<i>Cantharis rustica</i>	Cantharidae	Coleoptera	common
<i>Rhagonycha fulva</i>	Cantharidae	Coleoptera	common
<i>Bembidion articulatum</i>	Carabidae	Coleoptera	common
<i>Bembidion lampros</i>	Carabidae	Coleoptera	common
<i>Grammoptera ruficornis</i>	Cerambycidae	Coleoptera	common
<i>Coccinella septempunctata</i>	Coccinellidae	Coleoptera	common
<i>Anthonomus pedicularius</i>	Curculionidae	Coleoptera	common
<i>Anthonomus rubi</i>	Curculionidae	Coleoptera	common
<i>Nedus quadrimaculatus</i>	Curculionidae	Coleoptera	common
<i>Sitona lineatus</i>	Curculionidae	Coleoptera	common
<i>Dasytes aeratus</i>	Dasytidae	Coleoptera	common
<i>Cercyon haemorrhoidalis</i>	Hydrophilidae	Coleoptera	common
<i>Cercyon melanocephalus</i>	Hydrophilidae	Coleoptera	common
<i>Malachius bipustulatus</i>	Malachiidae	Coleoptera	common
<i>Meligethes aeneus</i>	Nitidulidae	Coleoptera	common
<i>Oedemera lurida</i>	Oedemeridae	Coleoptera	common
<i>Oedemera nobilis</i>	Oedemeridae	Coleoptera	common
<i>Hemicoelus fulvicornis</i>	Ptinidae	Coleoptera	common

Tatianaerhynchites aequatus	Rhynchitidae	Coleoptera	common
Agriolus ater	Scarabaeidae	Coleoptera	common
Teuchestes fossor	Scarabaeidae	Coleoptera	common
Anaspis maculata	Scaptiidae	Coleoptera	common
Anaspis rufilabris	Scaptiidae	Coleoptera	common
Aleochara lanuginosa	Staphylinidae	Coleoptera	common
Anotylus rugosus	Staphylinidae	Coleoptera	common
Bisnius fimetarius	Staphylinidae	Coleoptera	common
Drusilla canaliculata	Staphylinidae	Coleoptera	common
Stenus clavicornis	Staphylinidae	Coleoptera	common
Tachyporus chrysomelinus	Staphylinidae	Coleoptera	common
Xantholinus linearis	Staphylinidae	Coleoptera	common
Forficula auricularia	Forficulidae	Dermaptera	common
Pegomya solennis	Anthomyiidae	Diptera	common
Bombylius major	Bombyliidae	Diptera	common
Calliphora vomitoria	Calliphoridae	Diptera	common
Scathophaga stercoraria	Scathophagidae	Diptera	common
Sepsis cynipsea	Sepsidae	Diptera	common
Beris chalybata	Stratiomyidae	Diptera	common
Chloromyia formosa	Stratiomyidae	Diptera	common
Pachygaster atra	Stratiomyidae	Diptera	common
Cheilosia illustrata	Syrphidae	Diptera	common
Episyrphus balteatus	Syrphidae	Diptera	common
Eristalis pertinax	Syrphidae	Diptera	common
Eristalis tenax	Syrphidae	Diptera	common
Syrphus ribesii	Syrphidae	Diptera	common
Haematopota pluvialis	Tabanidae	Diptera	common
Tabanus bromius	Tabanidae	Diptera	common
Tipula oleracea	Tipulidae	Diptera	common
Acanthosoma haemorrhoidale	Acanthosomatidae	Hemiptera	common
Philaenus spumarius	Aphrophoridae	Hemiptera	common
Coreus marginatus	Coreidae	Hemiptera	common
Kleidocerys resedae	Lygaeidae	Hemiptera	common
Atractotomus mali	Miridae	Hemiptera	common
Psallus (Psallus) varians	Miridae	Hemiptera	common
Stenotus binotatus	Miridae	Hemiptera	common
Palomena prasina	Pentatomidae	Hemiptera	common
Podops inuncta	Pentatomidae	Hemiptera	common
Cacopsylla peregrina	Psyllidae	Hemiptera	common
Tingis (Tingis) cardui	Tingidae	Hemiptera	common
Andrena haemorrhoa	Andrenidae	Hymenoptera	common
Apis mellifera	Apidae	Hymenoptera	common
Bombus lucorum	Apidae	Hymenoptera	common

<i>Bombus pascuorum</i>	Apidae	Hymenoptera	common
<i>Bombus terrestris</i>	Apidae	Hymenoptera	common
<i>Lasius niger</i>	Formicidae	Hymenoptera	common
<i>Amblyteles armatorius</i>	Ichneumonidae	Hymenoptera	common
<i>Vespula vulgaris</i>	Vespidae	Hymenoptera	common
<i>Erannis defoliaria</i>	Geometridae	Lepidoptera	common
<i>Thymelicus sylvestris</i>	Hesperiidae	Lepidoptera	common
<i>Celastrina argiolus</i>	Lycaenidae	Lepidoptera	common
<i>Stigmella aurella</i>	Nepticulidae	Lepidoptera	common
<i>Aglaia urticae</i>	Nymphalidae	Lepidoptera	common
<i>Maniola jurtina</i>	Nymphalidae	Lepidoptera	common
<i>Pararge aegeria</i>	Nymphalidae	Lepidoptera	common
<i>Anthocharis cardamines</i>	Pieridae	Lepidoptera	common
<i>Gonepteryx rhamni</i>	Pieridae	Lepidoptera	common
<i>Pieris rapae</i>	Pieridae	Lepidoptera	common
<i>Acrobasis advenella</i>	Pyrilidae	Lepidoptera	common
<i>Chorthippus brunneus</i>	Acrididae	Orthoptera	common
<i>Leptophyes punctatissima</i>	Phaneropteridae	Orthoptera	common
<i>Pholidoptera griseoptera</i>	Tettigoniidae	Orthoptera	common
<i>Eriophyes crataegi</i>	Eriophyidae	Trombidiformes	common
<i>Valenzuela flavidus</i>	Caeciliusidae	Psocoptera	common
<i>Ectopsocus briggsi</i>	Ectopsocidae	Psocoptera	common
<i>Phytomyza spondylii</i>	Agromyzidae	Diptera	common
<i>Sylvicola cinctus</i>	Anisopodidae	Diptera	common
<i>Anthomyia liturata</i>	Anthomyiidae	Diptera	common

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Species	Family	Order	Conservation status
<i>Linyphia triangularis</i>	Linyphiidae	Araneae	common
<i>Nerine peltata</i>	Linyphiidae	Araneae	common
<i>Platambus maculatus</i>	Dytiscidae	Coleoptera	common
<i>Anacaena globulus</i>	Hydrophilidae	Coleoptera	common
<i>Brachypterus glaber</i>	Kateretidae	Coleoptera	common
<i>Lesteva longoelytrata</i>	Staphylinidae	Coleoptera	common
<i>Lesteva sicula</i>	Staphylinidae	Coleoptera	common
<i>Pegomya solennis</i>	Anthomyiidae	Diptera	common
<i>Bombylius major</i>	Bombyliidae	Diptera	common
<i>Medetera truncorum</i>	Dolichopodidae	Diptera	common
<i>Gerris lacustris</i>	Gerridae	Hemiptera	common
<i>Liocoris tripustulatus</i>	Miridae	Hemiptera	common
<i>Ampullaceana balthica</i>	Lymnaeidae	Hygrophila	common
<i>Planorbis planorbis</i>	Planorbidae	Hygrophila	common
<i>Andrena fulva</i>	Andrenidae	Hymenoptera	common
<i>Lasius brunneus</i>	Formicidae	Hymenoptera	Na

<i>Lasius platythorax</i>	Formicidae	Hymenoptera	common
<i>Myrmica scabrinodis</i>	Formicidae	Hymenoptera	common
<i>Calopteryx splendens</i>	Calopterygidae	Odonata	common
<i>Goera pilosa</i>	Goeridae	Trichoptera	common
<i>Hydropsyche contubernalis</i>	Hydropsychidae	Trichoptera	common
<i>Molanna angustata</i>	Molannidae	Trichoptera	common
<i>Polycentropus irroratus</i>	Polycentropodidae	Trichoptera	common
<i>Sphaerium corneum</i>	Sphaeriidae	Veneroida	common
<i>Gammarus pulex</i> agg.	Gammaridae		common

Appendix 2. Status categories for rare and Notable species

Red Data Book Category 1 (RDB 1) – Endangered

Definition.

Taxa in danger of extinction *in Great Britain* and whose survival is unlikely if the causal factors continue operating.

Included are those taxa whose numbers have been reduced to a critical level or whose habitats have been so dramatically reduced that they are deemed to be in immediate danger of extinction. Also included are *some* taxa that are *possibly* extinct.

Criteria.

Species which are known *or believed to occur* as only a single population within one 10 km square of the National Grid.

Species which only occur in habitats known to be especially vulnerable.

Species which have shown a rapid or continuous decline over the last twenty years and are now *estimated* to exist in five or fewer 10 km squares.

Species which are *possibly* extinct *but have been recorded this century* and if rediscovered would need protection.

Red Data Book Category 2 (RDB 2) - Vulnerable

Definition.

Taxa *believed* likely to move into the endangered category in the near future if the causal factors continue operating.

Included are taxa of which most or all of the populations are decreasing because of *over-exploitation*, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security is not yet assured; and taxa with populations that are still abundant but are under threat from serious adverse factors throughout their range.

Criteria.

Species declining throughout their range.

Species in vulnerable habitats.

Red Data Book Category 3 (RDB 3) – Rare

Definition.

Taxa with small populations *in Great Britain* that are not at present endangered or vulnerable, but are at risk.

These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

Criterion.

Species which are estimated to exist in only fifteen or fewer 10 km squares. *This criterion may be relaxed where populations are likely to exist in over fifteen 10 km squares but occupy small areas of especially vulnerable habitat*

Nationally Scarce Category A - Notable A (Na)

Definition.

Taxa which do not fall within **RDB** categories but which are none-the-less uncommon in Great Britain and are thought to occur in 30 or fewer 10 km squares of the National Grid or, for less well recorded groups, within seven or fewer vice-counties.

Nationally Scarce Category B - Notable B (Nb)

Definition.

Taxa which do not fall within **RDB** categories but which are none-the-less uncommon in Great Britain and are thought to occur in between 31 and 100 10 km squares of the National Grid or, for less well recorded groups, within eight and twenty vice-counties.

Nationally Scarce - Notable (N)

Definition.

Taxa which do not fall within **RDB** categories but which are none-the-less uncommon in Great Britain and are thought to occur in between 16 to 100 10 km squares of the National Grid. Species within this category are often too poorly known for their status to be more precisely estimated.

Summary of the IUCN categories and criteria.

- **REGIONALLY EXTINCT (RE)**

A taxon is Extinct when there is no reasonable doubt that the last individual has died. In this review the last date for a record is set at fifty years before publication.

- **CRITICALLY ENDANGERED (CR)**

A taxon is Critically Endangered when the best available evidence indicates that it meets any of the criteria A to E for Critically Endangered.

- **ENDANGERED (EN)**

A taxon is Endangered when the best available evidence indicates that it meets any of the criteria A to E for Endangered.

- **VULNERABLE (VU)**

A taxon is Vulnerable when the best available evidence indicates that it meets any of the criteria A to E for Vulnerable.

- **NEAR THREATENED (NT)**

A taxon is Near Threatened when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.

- **LEAST CONCERN (LC)**

A taxon is Least Concern when it has been evaluated against the criteria and does not qualify for Critically Endangered, Endangered, Vulnerable or Near Threatened. Widespread and abundant taxa are included in this category.

- **DATA DEFICIENT (DD)**

A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate.

- **NOT EVALUATED (NE)**

A taxon is Not Evaluated when it has not yet been evaluated against the criteria.

GB Rarity Status categories and criteria

- **Nationally Rare (NR)**

Native species which have not been recorded from more than 15 British hectads since 31st December 1979 and where there is reasonable confidence that exhaustive recording would not find them in more than 15 hectads. This category includes species which are probably extinct.

- **Nationally Scarce (NS)**

Native species which are not regarded as Nationally Rare AND which have not been recorded from more than 100 British hectads since 31st December 1979 and where there is reasonable confidence that exhaustive recording would not find them in more than 100 hectads.

Other species status terminology.

- **Local.** Species that are restricted in distribution either geographically or by habitat. Also used for species that are widespread but infrequently encountered, e.g. encountered in no more than 300 10km squares of the national Ordnance Survey grid since 1970. Or those species listed as such, based upon modern geographical data, by ISIS (2010) and/or relevant recording schemes.
- **Widely Scattered.** Generally distributed but at low densities.
- **Southern.** Mainly or completely confined to southern England and/or its westerly or easterly regions – as indicated.
- **Common.** Generally widespread throughout the UK.
- **Unknown.** Usually indicates a lack of available data for difficult taxa but may also imply recent taxonomic confusion.
