



Natural Goldsworth Park

North Meadow Entomology Survey 2018

Summary and List of Species Recorded

Recorder: Andrew Halstead, Entomologist

Date: 2018

2018 Survey Dates

17th April
1st May
24th May
10th June
11th August
16th September
17th September
18th September

Summary

Most of the insects recorded in 2018 are common and widely distributed in grassland situations. Two insects are worthy of note.

1. A sawfly, *Tomostethus nigrinus*, is occasionally abundant on its larval host plant, ash, but is likely to become rare as the fungal disease, ash dieback, spreads and kills ash trees.
2. *Obrium brunneum* is a relatively uncommon longhorn beetle. It was found on the flowers of a whitebeam, *Sorbus* sp., tree.

Note



Obrium Brunneum (Fabricius, 1793) Abridged extract from notes by Watford Coleoptera Group (www.thewcg.org.uk)

Quoted as extremely rare and doubtfully indigenous by Hickin, this species is not included in either Fowler or Joy. According to Alexander it is an accidental introduction occurring south of the Thames. Twinn and Harding include thirteen records, mostly near coastal, from east Dorset to south Kent and of these six are from before 1970, a similar spread of records is presented on the NBN map (2009).

The species, 4-7mm, is associated with conifers, and recorded hosts include *Abies excelsa*, *Pinus*, *Picea* and *Larix*. Larvae feed beneath the bark of recently felled or dead boles and branches, when fully mature they bore into the outer xylem and excavate an elongate pupal cell, the adults emerge from May and occur until July. The life cycle takes a year. Adults have been recorded visiting flowers of Apiaceae (various umbels), *Spiraea* and *Viburnum* (Bily and Mehl)

List of Species found in 2018 on the North Meadow habitat area

Species	Common name	Biology
Acanthosoma haemorrhoidale	hawthorn shield bug	adults and nymphs suck sap from leaves and berries on hawthorn
Adalia 10-punctata	10-spot ladybird	feed as larvae and adults on aphids
Aelia acuminata	bishop's mitre shield bug	adults and nymphs suck sap from seed heads of grasses
Aglaostigma fulvipes	a sawfly	larvae feed on the foliage of goosegrass/cleavers
Agrilus laticornis	a jewel beetle	larvae feed in dead oak twigs
Andrena haemorrhoa	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen
Aneugmenus padi	a sawfly	larvae feed on bracken
Anisosticta 19-punctata	water ladybird	feed as larvae and adults on aphids on waterside grasses
Anobium fulvicorne	a woodworm beetle	larvae feed in dead wood on various deciduous trees
Anthocomus fasciatus	a malachid beetle	larvae feed on wood-boring beetles
Athalia rosae	a sawfly	larvae feed on the foliage of various plants in the Brassicaceae family
Aulogastromyia anisodactyla	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
Beris chalybata	a soldier fly	larvae develop in leaf litter/compost heaps
Beris morrisii	a soldier fly	larvae develop in leaf litter/compost heaps
Beris vallata	a soldier fly	larvae develop in leaf litter/compost heaps
Bibio ferrugatus	a bibionid fly	larvae feed on grass roots and dead plant material
Bibio johannis	a bibionid fly	larvae feed on grass roots and dead plant material
Bibio lanigerus	a bibionid fly	larvae feed on grass roots and dead plant material
Bibio marci	St Mark's fly	larvae feed on grass roots and dead plant material
Bibio nigriventris	a bibionid fly	larvae feed on grass roots and dead plant material
Bibio reticulatus	a bibionid fly	larvae feed on grass roots and dead plant material
Blennocampa phyllocolpa	rose leaf-rolling sawfly	adults cause rose leaves to become rolled, with the larvae feeding inside
Bruchus atomarius	a seed beetle	larvae feed in the seeds of Lotus and Vicia spp
Calameuta pallipes	a stem sawfly	larvae feed in grass stems
Calliphora vicina	a bluebottle fly	larvae feed in carrion
Calvia 14-guttata	cream-spot ladybird	feed as larvae and adults feed on aphids and psyllids
Cantharis cryptica	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cantharis decipiens	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cantharis livida	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cantharis nigra	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cantharis nigricans	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cantharis rustica	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Cassida vibex	a tortoise leaf beetle	adults and larvae feed on knapweed and other Asteraceae foliage
Chamaepsila rosae	carrot fly	larvae tunnel in the roots of carrot and related plants
Cheilosia illustrata	a hoverfly	larvae feed in the roots of hogweed
Cheilosia vernalis	a hoverfly	larvae feed in the roots of yarrow
Chilocorus renipustulatus	kidney-spot ladybird	feed as larvae and adults on diaspid scale insects
Chloromyia formosa	a soldier fly	larvae develop in leaf litter/compost heaps
Cladius compressicornis	a sawfly	larvae feed on foliage of hawthorn and other Rosaceae trees and shrubs
Clytus arietis	a longhorn beetle	larvae feed in dead wood on various deciduous trees
Coccinella 7-punctata	7-spot ladybird	feed as larvae and adults on aphids

<i>Colletes hederæ</i>	ivy bee	a late summer-autumn solitary bee; nest tunnels in the ground; nest provisioned with nectar and pollen from ivy
<i>Conocephalus fuscus</i>	long-winged conehead cricket	adults and nymphs feed on grasses and other foliage
<i>Curculio glandium</i>	an acorn weevil	larvae feed inside oak acorns
<i>Dasineura plicatrix</i>	a gall midge	larvae feed in distorted blackberry leaves
<i>Deporaus betulæ</i>	birch leaf-rolling weevil	adults eat birch leaves; larvae develop in rolled birch leaves
<i>Dichetophora obliterata</i>	a snail killing fly	larvae feed on terrestrial snails
<i>Dilophus febrilis</i>	a fever fly	larvae feed on grass roots and dead plant material
<i>Dilophus femoratus</i>	a fever fly	larvae feed on grass roots and dead plant material
<i>Dioctria atricapilla</i>	a robber fly	adults prey on flying insects; larvae probably predators in the soil
<i>Dolerus aeneus</i>	a sawfly	larvae feed on grasses
<i>Dolerus fumosus</i>	a sawfly	larvae feed on grasses
<i>Dolerus nigratus</i>	a sawfly	larvae feed on grasses
<i>Dolerus picipes</i>	a sawfly	larvae feed on grasses
<i>Dolerus puncticollis</i>	a sawfly	larvae feed on grasses
<i>Dolichopus griseipennis</i>	a dolichopodid fly	larvae and adults predatory, larvae live in soil, leaf litter and mosses
<i>Dolichopus trivialis</i>	a dolichopodid fly	larvae and adults predatory, larvae live in soil, leaf litter and mosses
<i>Dolichopus unguatus</i>	a dolichopodid fly	larvae and adults predatory, larvae live in soil, leaf litter and mosses
<i>Dolycoris baccarum</i>	sloe bug	adults and nymphs suck sap from gorse and a wide range of annual and herbaceous plants
<i>Elasmostethus interstinctus</i>	a birch shield bug	adults and nymphs suck sap from leaves and seed catkins of birch
<i>Elasmucha grisea</i>	parent shield bug	adults and nymphs suck sap from leaves and seed catkins of birch and alder
<i>Epistrophe elegans</i>	a hoverfly	larvae feed on aphids
<i>Episyrphus balteatus</i>	a hoverfly	larvae feed on aphids
<i>Eriothrix rufomaculata</i>	a tachinid fly	larvae are internal parasitoids of crambid moth larvae
<i>Eristalis arbustorum</i>	a hoverfly	larvae live in wet organic matter
<i>Euleia heraclei</i>	celery fly	larvae are leaf miners in celery, hogweed and other related plants
<i>Eumerus funeralis</i>	a hoverfly	larvae feed in rotting bulbs and roots of various plants
<i>Eupeodes luniger</i>	a hoverfly	larvae feed on aphids
<i>Eutomostethus ephippium</i>	a sawfly	larvae feed on grasses
<i>Euura atra</i>	a sawfly	larvae feed in galls in willow stems
<i>Exorista rustica</i>	a tachinid fly	larvae are internal parasitoids of sawfly larvae, <i>Dolerus</i> spp.
<i>Forficula auricularia</i>	common earwig	omnivorous, feeds on vegetation and small insects
<i>Gastrolepta anthracina</i>	a tachinid fly	larvae are internal parasitoids of a beetle, <i>Lagria hirta</i>
<i>Geomyza tripunctata</i>	an opomyzid fly	larvae feed inside grass stems
<i>Grammoptera ruficornis</i>	a longhorn beetle	larvae feed in dead twigs on various coniferous trees
<i>Halictus tumulorum</i>	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen
<i>Halyzia 16-guttata</i>	orange ladybird	feed as larvae and adults on powdery mildews
<i>Harmonia axyridis</i>	harlequin ladybird	feed as larvae and adults feed on aphids
<i>Heterarthrus nemoratus</i>	a sawfly	larvae are leaf miners on birch
<i>Heterogaster urticae</i>	nettle ground bug	sucks sap from stinging nettle leaves and seeds
<i>Hoplocampa pectoralis</i>	a sawfly	larvae feed in hawthorn berries
<i>Hylaeus confusus</i>	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen
<i>Lasioglossum lativentre</i>	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen
<i>Lasioglossum minutissimum</i>	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen

Lasioglossum punctatissimum	a solitary bee	a ground nesting bee; nest stocked with nectar and pollen
Leptogaster cylindrica	a robber fly	adults prey on flying insects; larvae probably predators in the soil
Limnephila auricula	a caddis fly	aquatic larvae, filter feeder
Limnia unguicornis	a snail killing fly	larvae feed on Succinea snails
Machimus atricapillus	a robber fly	adults prey on flying insects; larvae probably predators in the soil
Malachius bipustulatus	common malachite beetle	larvae prey on small insects under loose bark
Malthinus flaveolus	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
Meiosimyza affinis	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
Meiosimyza rorida	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
Melanostoma mellinum	a hoverfly	larvae predators in leaf litter
Melanostoma scalare	a hoverfly	larvae predators in leaf litter
Minettia fasciata	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
Nanna fasciata	a timothy fly	larvae feed in the stems of timothy grass
Nematus tibialis	Robinia sawfly	larvae feed on the foliage of false acacia (Robinia pseudoacacia)
Nemopoda nitidula	a sepsid fly	larvae feed in rotting vegetation and dung
Neoitamus cyanurus	a robber fly	adults prey on flying insects; larvae probably predators in the soil
Neurigona quadrifasciata	a dolichopodid fly	larvae and adults predatory, larvae live in soil, leaf litter and mosses
Obolodiplosis robiniae	a gall midge	larvae feed under a thickened and folded leaf margin on false acacia (Robinia pseudoacacia)
Obrium brunneum	a longhorn beetle	larvae feed in dead wood on various coniferous trees
Oedemera livida	a flower beetle	adults eat pollen, larvae in grass stems
Opomyza germinationis	an opomyzid fly	larvae feed inside grass stems
Pachygaster atra	a soldier fly	larvae develop in leaf litter/compost heaps/dead wood
Palloptera scutellata	a pallopterid fly	associated with rushes
Palomema prasina	green shield bug	adults and nymphs suck sap from the developing seeds of a wide range of plants
Panorpa germanica	a scorpion fly	feeds on dead insects
Paragus haemorrhous	a hoverfly	larvae feed on aphids
Pentatoma rufipes	forest shield bug	adults and nymphs suck sap from oak and some other deciduous trees
Phasia barbifrons	a tachinid fly	larvae are internal parasitoids of a wide range of plant bugs
Phasia obesa	a tachinid fly	larvae are internal parasitoids of various shield bugs
Phasia pusilla	a tachinid fly	larvae are internal parasitoids of a wide range of plant bugs
Phyllobius maculicornis	a leaf weevil	adults eat the foliage of various deciduous trees and shrubs; larvae feed on plant roots
Phyllobius pyri	a leaf weevil	adults eat the foliage of various deciduous trees and shrubs; larvae feed on plant roots
Phyllocolpa leucapsis	a sawfly	larvae feed in rolled willow leaves
Phytomyza ilicis	holly leaf miner fly	larvae feed inside holly leaves
Platycheirus angustatus	a hoverfly	larvae feed on aphids
Platyepeza fasciata	a platypezid fly	larvae feed in fungal fruiting bodies
Pristiphora monogyniae	a sawfly	larvae feed in sloe/blackthorn fruits
Pristiphora ruficornis	a sawfly	larvae feed on birch foliage
Propylea 14-punctata	14-spot ladybird	feed as larvae and adults on aphids
Psenulus concolor	a solitary wasp	builds nests in plant stems; nest stocked with psyllids (suckers)
Psyllopsis fraxini	ash sucker	sap sucker, nymphs cause a swollen leaf roll
Rhagio tringarius	a rhagionid fly	larvae develop in damp soil/leaf litter

<i>Rhagonycha fulva</i>	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
<i>Rhagonycha lignosa</i>	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
<i>Rhagonycha limbata</i>	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
<i>Rhagonycha testacea</i>	a soldier beetle	larvae and adults predatory, larvae live in soil and leaf litter
<i>Rhogogaster genistae</i>	a sawfly	larvae feed on the foliage of broom (<i>Cytisus</i>)
<i>Rhogogaster viridis</i>	a sawfly	polyphagous larvae feed on various deciduous tree foliage
<i>Rutpela maculata</i>	a longhorn beetle	larvae feed in dead wood and roots on various deciduous trees
<i>Sapromyza halidayi</i>	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
<i>Sapromyza quadripunctata</i>	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
<i>Sarcophaga variegata</i>	a flesh fly	larvae feed in carrion
<i>Scathophaga stercoraria</i>	common dung fly	adults prey on other insects; larvae develop in cow dung and other excrement
<i>Selandria serva</i>	a sawfly	larvae feed on grasses and sedges
<i>Sepsis punctum</i>	a sepsid fly	larvae feed in rotting vegetation and dung
<i>Sphaerophoria scripta</i>	a hoverfly	larvae feed on aphids
<i>Stethorus punctillum</i>	red spider mite ladybird	adults and larvae feed on red spider mites
<i>Stictopleurus abutilon</i>	a rhopalid bug	feeds by sucking sap from various plants
<i>Strophosoma melanogrammmum</i>	a weevil	adults eat the foliage of various trees and shrubs; larvae feed on plant roots
<i>Subcoccinella 24-punctata</i>	24-spot ladybird	feed as larvae and adults on the foliage of red campion and false oat grass
<i>Suillia laevifrons</i>	a heleomyzid fly	larvae feed in fungal fruiting bodies
<i>Suillia variegata</i>	a heleomyzid fly	larvae feed in fungal fruiting bodies
<i>Syrirta pipiens</i>	a hoverfly	larvae prey on aphids
<i>Tenthredopsis coquebertii</i>	a sawfly	larvae feed on grasses
<i>Tenthredopsis litterata</i>	a sawfly	larvae feed on grasses
<i>Tenthredopsis nassata</i>	a sawfly	larvae feed on grasses
<i>Tephritis neesii</i>	a tephritid fly	larvae feed si the seed heads of ox-eye daisy
<i>Tephritis vespertina</i>	a tephritid fly	larvae feed in the seed heads of cat's ear, <i>Hypochaeris</i> spp.
<i>Tetanocera elata</i>	a snail killing fly	larvae feed on various slugs
<i>Tipula confusa</i>	a crane fly	larvae (leatherjackets) feed on plant roots
<i>Tipula paludosa</i>	a crane fly	larvae (leatherjackets) feed on plant roots
<i>Tomostethus nigrinus</i>	a sawfly	larvae feed on ash leaves
<i>Trigonometopus frontalis</i>	a lauxanid fly	larvae feed in leaf litter, decaying vegetation
<i>Tytthaspis 16-punctata</i>	16-spotladybird	feed as larvae and adults on powdery mildews
<i>Vespa crabro</i>	European hornet	a social wasp; feeds its larvae on chewed up insects
<i>Volucella bombylans</i>	a hoverfly	larvae feed in the nests of bumblebees
<i>Wachtliella persicariae</i>	a gall midge	larvae feed under a thickened and folded leaf margins on redshanks (<i>Persicaria</i>)
<i>Xanthogramma pedissequum</i>	a hoverfly	larvae feed on root aphids in ant nests
<i>Xyphosia miliaria</i>	a tephritid fly	larvae feed in the seed heads of creeping thistle