Brampton Biodiversity Project

Hotspot Report, Brampton Park Golf Course TL 206716

[Compiled by Dr J Patrick Doody December 2015]

Location map

Members of the Huntingdonshire Fauna and Flora Society met to survey parts of Brampton Park golf course on the afternoon of the 21st September 2014. This 'bioblitz' formed part of a two year project (2103/14) to survey the biological resources in Brampton Parish.

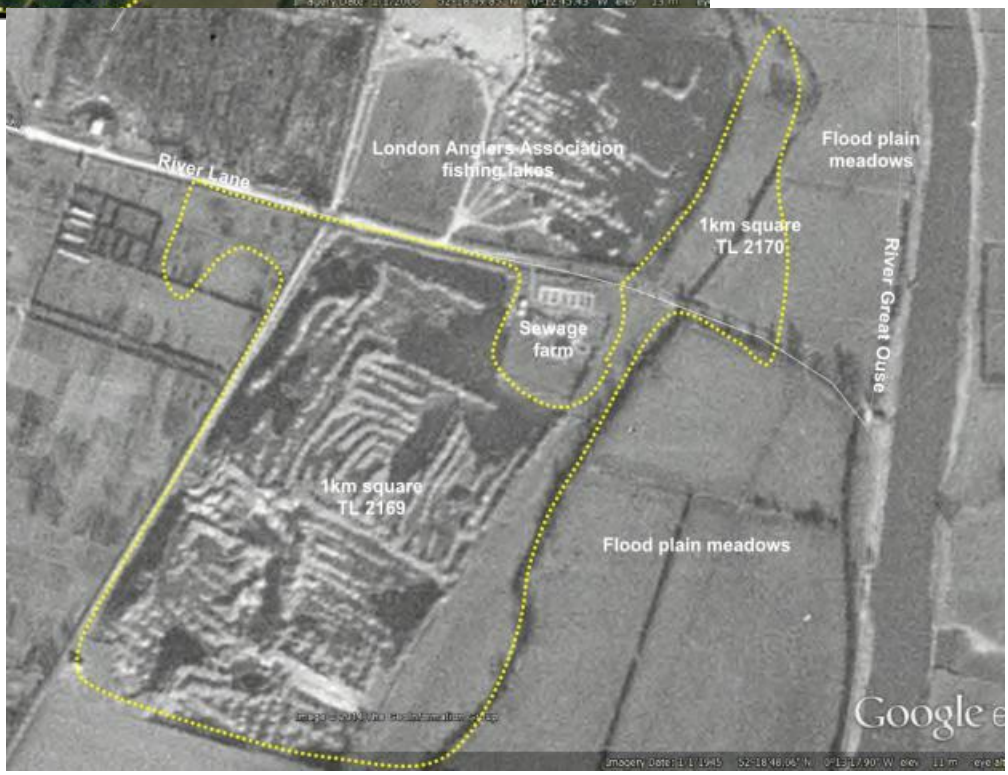
The golf course was chosen as an area for special attention because there were known to be habitats with the potential for supporting a wide variety of plants and animals. A detailed survey was therefore undertaken. This concentrated in areas outside the more intensively managed greens, tees and fairways (Figure 1).

Figure 1 Approximate area surveyed shown with dotted yellow line

History

During the Second World War, the need for material to construct local airfields and other infrastructure resulted in many gravel workings along the Great Ouse River valley. Aerial photographs from the 1940s show active gravel extraction either side of River Lane. The remaining fields, which now form part of the golf course, were grazed flood plain meadow grasslands (Figure 2).

Figure 2 Approximate area surveyed in relation to gravel extraction in the 1940s



Results

In the old gravel workings, the vegetation has developed with relatively little interference. Here there is a good selection of tree and shrubs including native and a few introduced species. These areas provide habitat for a number of summer migrants including Blackcap, Chiffchaff, Willow Warbler and Garden Warbler, all heard singing on a previous visit in June. There are also several 'fen-like' habitats rich in species.

The gravel pits provide habitat for a variety of other species including aquatic plants. Birds of the wetlands included Heron and breeding Mallard, Moorhen and Coot. Canada geese were present on some of the fairways, with one party including more than 20 young.

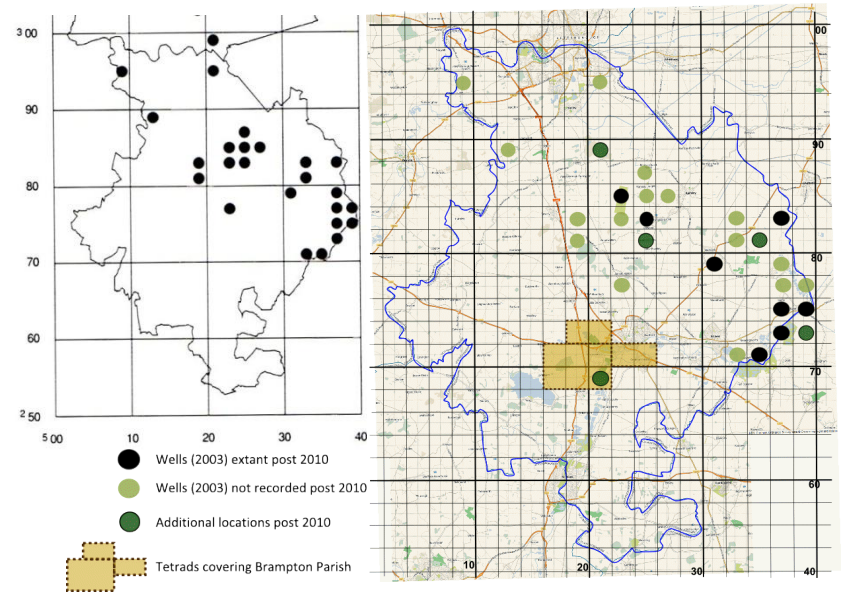
The afternoon recording on the 21st identified over 400 species. These included 183 species of flowering plants, plus 1 conifer and 1 fern. There were 31 plant galls species, 48 species of moths and butterflies and a variety of other invertebrates including 12 species of spider. In total 194 invertebrates, excluding species recorded more than once by different observers.

Highlights included:

Elephant Hawk-moth, *Deilephila elpenor* (opposite left);

Long-winged Conehead, *Conocephalus discolor* (opposite right);

Fine-leaved water Dropwort, *Oenanthe aquatica*.



The maps opposite show the distribution of *Oenanthe aquatica* in Huntingdonshire. The large squares are 10×10 km, the small squares 2×2 km (tetrads). The map on the left taken from Wells (2003) shows the plant to be present in 24 tetrads, mostly recorded before the year 2000.

Based on data provided by the Botanical Society of Britain and Ireland, the map on the right attempts to show the change in status post 2010. The plant distribution has decreased dramatically in recent years dropping from 24 tetrads, to recent sightings from just 13 scattered areas. It has been declining throughout its range and particularly in the east, so the discovery of this plant from Brampton Park golf course, a new locality in Huntingdonshire, is good news.

Status: Native - Ponds and dykes, particularly those in which there is a well-marked seasonal fluctuation in water levels. Frequent in the Fens, uncommon elsewhere (Wells 2003).

Wells, T.C.E., 2003. *The Flora of Huntingdonshire and the Soke of Peterborough*. Huntingdonshire Fauna and Flora Society and T.C.E. Wells.

Annex 1 provides details of the species recorded during the survey.

Annex 1 Plant and animal records 21st September 2014

Flowering Plants

Recorded by: Lynne Farrell, S Wells, P Walker and G Wyatt

Acer campestre, Field Maple
Acer pseudoplatanus, Sycamore
Achillea millefolium, Yarrow
Aesculus carnea, Red Horse-chestnut
Agrostis capillaris, Common Bent
Agrostis stolonifera, Creeping Bent
Alisma plantago-aquatica, Common Water-Plantain
Allium pendulinum, Italian Garlic
Alnus glutinosa, Alder
Anagallis arvensis, Scarlet Pimpernel
Angelica sylvestris, Wild Angelica
Anthriscus sylvestris, Cow Parsley
Arabis hirsuta, Hairy Rock-cress
Arctium lappa, Greater Burdock
Arrhenatherum elatius, False Oat-grass
Artemisia vulgaris, Mugwort
Arum maculatum, Lords-and-Ladies
Atriplex prostrata, Spear-leaved Orache
Ballota nigra, Black Horehound
Bellis perennis, Daisy
Betula pendula, Silver Birch
Bryonia dioica, White Bryony
Calystegia silvatica, Large Bindweed
Carex hirta, Hairy Sedge
Carex riparia, Greater Pond-sedge
Carpinus betulus, Hornbeam
Centaurea nigra, Common Knapweed
Cerastium fontanum, Common Mouse-ear
Cerastium glomeratum, Sticky Mouse-ear
Ceratophyllum submersum, Soft Hornwort
Chenopodium ficifolium, Fig-leaved Goosefoot
Cirsium arvense, Creeping Thistle
Cirsium vulgare, Spear Thistle
Clematis vitalba, Traveller's-joy
Conium maculatum, Hemlock
Convolvulus arvensis, Field Bindweed
Conyza canadensis, Canadian Fleabane
Corylus avellana, Hazel
Crataegus monogyna, Hawthorn
Crepis capillaris, Smooth Hawk's-beard
Dactylis glomerata, Cock's-foot
Daucus carota, Wild Carrot
Deschampsia cespitosa subsp. *cespitosa*, Tufted Hair-grass
Digitalis purpurea, Foxglove
Dipsacus fullonum, Teasel
Epilobium hirsutum, Great Willowherb
Epilobium parviflorum, Hoary Willowherb
Equisetum arvense, Field Horsetail
Erigeron acer, Blue Fleabane
Euonymus europaeus, Spindle
Euphorbia helioscopia, Sun Spurge
Fagus sylvatica, Beech
Fallopia baldschuanica, Russian-vine
Fallopia japonica, Japanese Knotweed
Festuca gigantea, Giant Fescue
Festuca rubra
Filago vulgaris, Common Cudweed
Fraxinus excelsior, Ash
Galium aparine, Cleavers
Galium palustre, Marsh-bedstraw
Galium verum, Lady's Bedstraw
Geranium dissectum, Cut-leaved Crane's-bill
Geranium molle, Dove's-foot Crane's-bill
Geranium pusillum, Small-flowered Crane's-bill
Geranium robertianum, Herb-Robert
Geum urbanum, Herb Bennet
Glechoma hederacea, Ground-ivy
Glyceria maxima, Reed Sweet-grass
Hedera helix, Ivy
Heracleum sphondylium, Hogweed
Holcus lanatus, Yorkshire-fog
Hordeum murinum, Wall Barley
Humulus lupulus, Hop
Hypericum perforatum, Perforate St John's-wort
Impatiens capensis, Orange Balsam
Juncus articulatus, Jointed Rush
Juncus bufonius agg., Toad Rush agg.
Juncus effusus, Soft-rush
Juncus inflexus, Hard Rush
Lactuca serriola, Prickly Lettuce
Lamium album, White Dead-nettle
Lapsana communis, Nipplewort
Lathyrus pratensis, Meadow Vetchling
Lemna minor, Common Duckweed
Lemna trisulca, Ivy-leaved Duckweed
Ligustrum vulgare, Wild Privet
Lolium perenne, Perennial Rye-grass
Lotus corniculatus, Common Bird's-foot-trefoil
Lycopus europaeus, Gypsywort
Lythrum salicaria, Purple-loosestrife
Mahonia aquifolium, Oregon-grape
Malva neglecta, Dwarf Mallow
Matricaria discoidea, Pineappleweed
Medicago arabica, Spotted Medick
Medicago lupulina, Black Medick
Mentha aquatica, Water Mint
Mentha arvensis, Corn Mint
Moehringia trinervia, Three-nerved Sandwort
Myosotis arvensis, Common Forget-Me-Not
Myosotis secunda, Creeping Forget-me-not
Myosoton aquaticum, Water Chickweed
Nymphaea alba, White Water-lily
Odontites vernus, Red Bartsia
Oenanthe aquatica, Fine-leaved Water-dropwort
Oxalis corniculata, Procumbent Yellow-sorrel
Papaver somniferum, Opium Poppy
Persicaria maculosa, Redshank
Phleum pratense, Timothy
Phragmites australis, Common Reed
Picris echioides, Bristly Oxtongue
Plantago lanceolata, Ribwort Plantain
Plantago major, Greater Plantain
Poa annua, Annual Meadow-grass
Poa pratensis sens.lat.
Polygonum arenastrum, Equal-leaved Knotgrass
Polygonum aviculare, Knotgrass
Potentilla anserina, Silverweed
Potentilla reptans, Creeping Cinquefoil

Prunella vulgaris, Selfheal
Prunus spinosa, Blackthorn
Pulicaria dysenterica, Common Fleabane
Quercus ilex, Evergreen Oak
Quercus robur, Pedunculate Oak
Ranunculus acris, Meadow Buttercup
Ranunculus repens, Creeping Buttercup
Rhamnus cathartica, Buckthorn
Rorippa nasturtium-aquaticum agg.
Rosa arvensis, Field-rose
Rosa canina, Dog-rose
Rubus caesius, Dewberry
Rubus fruticosus agg., Bramble
Rubus ulmifolius
Rumex hydrolapathum, Water Dock
Rumex obtusifolius, Broad-leaved Dock
Rumex palustris, Marsh Dock
Rumex sanguineus, Wood Dock
Ruscus aculeatus, Butcher's-broom
Salix alba, White Willow
Salix caprea, Goat Willow
Salix cinerea, Common Sallow
Salix viminalis, Osier
Sambucus nigra, Elder
Schoenoplectus lacustris, Common Club-rush
Scrophularia auriculata, Water Figwort
Senecio erucifolius, Hoary Ragwort
Senecio jacobaea, Common Ragwort
Senecio viscosus, Sticky Groundsel
Senecio vulgaris, Groundsel
Silene latifolia, White Campion
Sisymbrium officinale, Hedge Mustard
Sonchus arvensis, Perennial Sow-thistle
Sonchus asper, Prickly Sow-thistle
Sorbus aucuparia, Rowan
Spergularia rubra, Sand Spurrey
Stachys sylvatica, Hedge Woundwort
Stellaria media, Common Chickweed
Symphytum sp.| Indet. Comfrey
Symphytum officinale x *asperum* = S. x *uplandicum*, Russian Comfrey
Syringa vulgaris, Lilac
Taraxacum sp. aggregate
Torilis japonica, Upright Hedge-parsley
Trifolium repens, White Clover
Tripleurospermum inodorum, Scentless Mayweed
Tussilago farfara, Coltsfoot
Typha latifolia, Bulrush
Ulmus aggregate
Ulmus minor agg.
Urtica dioica, Common Nettle
Urtica dioica subsp. *galeopsifolia*
Veronica chamaedrys, Germander Speedwell
Veronica persica, Common Field-speedwell
Veronica polita, Grey Field-speedwell
Veronica serpyllifolia, Thyme-leaved Speedwell
Viburnum lantana, Wayfaring-tree
Viburnum opulus, Guelder-rose
Vicia sativa, Common Vetch
Vicia tetrasperma, Smooth Tare
Vinca major, Greater Periwinkle
Viola hirta, Hairy Violet

183 species plus

Fern
Dryopteris filix-mas, Male-fern
Conifer
Taxus baccata, Yew

Plant galls with associated plant species,

Recorded by Peter Walker and others

Species, Host plant
Aceria acericampestris, Field Maple
Aceria macrochelus, Field Maple
Aculus laevis, Sallow
Aculus tetanothrix, Willow
Andricus aires, Oak
Andricus gemmeus, Oak
Andricus grossulariae, Oak
Andricus kollari, Oak
Andricus quercuscalicis, Oak
Andricus solitarius, Oak
Blennocampa phyllocolpa, Rose
Cynips divisa, Oak
Epitrneurus trilobus, Elder
Eriophyes convolvens, Spindle
Eriophyes inangulis, Alder
Eriophyes laevis, Alder
Eriophyes prunispinosae, Blackthorn
Iteomyia capreae, Sallow
Jaapiella veronicae, Germander Speedwell
Macrodiplosis dryobia, Oak
Neuroterus albipes, Oak
Neuroterus quercusbaccarum, Oak
Neuroterus tricolor, Oak
Phyllocoptes goniothorax, Hawthorn
Phytoplasmas growth, Willow
Pontania tuberculata, Sallow
Pontania bridgmanii, Sallow
Pontania proxima, Willow
Psyllopsis fraxinii, Ash
Rhabdophaga auritae, Sallow
Rhabdophaga strobilina, Willow

31 species

Moths and butterflies

Recorded by Barry Dickerson (Latin name, Common name, if there is one, Stage in life cycle)

Acronicta tridens, Dark Dagger, Larval
Aglais urticae, Small Tortoiseshell**,** Adult
Bohemannia pulverosella, Mine
Bucculatrix ulmella, Mine
Caloptilia falconipennella, Mine
Caloptilia stigmatella, Mine
Caloptilia syringella, Mine
Cameraria ohridella, Mine
Deilephila elpenor, Elephant Hawk-moth, Larva
Emmetia marginea, Mine
Gonepteryx rhamni, Brimstone**,** Adult
Lyonetia clerkella, Apple Leaf Miner, Mine
Orgyia antiqua, Vapourer, Larva
Pararge aegeria, Speckled Wood**,** Adult
Parornix anglicella, Mine
Phalera bucephala, Buff-tip, Larva
Phyllocnistis saligna, Mine
Phyllocnistis unipunctella, Mine
*Phyllonorycter acerifoliella***,** Mine
Phyllonorycter cerasicolella, Mine
Phyllonorycter coryli, Nut Leaf Blister Moth, Mine
*Phyllonorycter corylifoliella***,** Mine
Phyllonorycter esperella, Mine
*Phyllonorycter harrisella***,** Mine
Phyllonorycter heegeriella, Mine
*Phyllonorycter lantanella***,** Mine
Phyllonorycter leucographella, Firethorn Leaf Miner**,** Mine
Phyllonorycter messaniella, Mine
Phyllonorycter spinicolella, Mine
Phyllonorycter stettinensis, Mine
Phyllonorycter tenerella, Mine
Pieris brassicae, Large White**,** Adult
Pieris rapae, Small White**,** Adult
Polygonia c-album, Comma**,** Adult
Polyommatus icarus, Common Blue**,** Adult
Rivula sericealis, Straw Dot**,** Adult
Stigmella anomalella, Rose Leaf Miner
Stigmella aurella, Mine
*Stigmella crataegella***,** Mine
Stigmella malella, Apple Pygmy, Mine
Stigmella obliquella, Mine
Stigmella plagicolella, Mine
Stigmella regiella, Mine
Stigmella ruficapitella, Mine
Stigmella salicis, Mine
Stigmella trimaculella, Mine
Vanessa atalanta, Red Admiral**,** Adult

'Mine' refers to a moth whose larvae feed on leaf tissue

47 species. NB not all species have common names

Invertebrates (other)

Recorded by Alan Stubbs

Butterfly
Gonepteryx rhamni, Brimstone
Pieris napi, Green-veined White
Bush-cricket
Conocephalus discolor, Long-winged Conehead
Leptophyes punctatissima, Speckled Bush-cricket
Meconema thalassinum, Oak Bush-cricket
Cranefly
Cheilotrichia cinerascens
Dicranomyia morio
Phylidorea ferruginea
Ptychoptera contaminata
Tipula oleracea
Damselfly
Enallagma cyathigerum, Common Blue Damselfly
Dragonfly
Aeshna mixta, Migrant Hawker
Sympetrum striolatus, Common Darter

True fly
Campiglossa misella
Dilophus febrilis
Dolichopus griseipennis
Dolichopus plumipes
Elachiptera cornuta
Eriothrix rufomaculatus
Hybos culiciformis
Lonchoptera lutea
Nowickia ferox
Opomyza florum
Opomyza germinationis
Scellus notatus
Suillia affinis
Suillia variabilis
Sylvicola punctata
Syntormon pallipes
Tephritis hyoscyami
Tricholauxania praeusta
Grouse-hopper
Tetrix subulata, Slender Ground hopper
Heteropteran bug
Cymus melanocephalus
Deraeocoris ruber
Dolichonabis limbata

Orthops campestris
Orthops kalmi
Stenodema laevigata
Hoverfly
Cheilosia pagana
Cheilosia proxima
Cheilosia soror
Eristalis perinax
Helophilus hybridus
Melangyna labiatarum
Myathropa florea
Volucella pellucens
Leaf-hopper
Cicadella viridis
Philaeus spumareus Common Froghopper
Moth
Deilephila elpenor, Elephant Hawk
Robberfly
Machimus atricapilus
Sawfly
Athalia rosae
Snail-killing fly
Sepedon sphegeus,
Snipe fly
Chrysopilus asiliformis,
Chrysopilus cristatus,
Soldierfly
Chorisops nagatomi

55 species

Recorded by Ian Dawson

Beetles
Calvia 14-guttata, Cream-spot Ladybird
Harmonia axyridis, Harlequin Ladybird
Earwig
Forficula auricularia, Common Earwig
True bugs
Aphrophora alni
Cacopsylla peregrina
Empicoris vagabundus
Iassus lanio
Palomena prasina, Green Shieldbug
Pentatoma rufipes, Forest Bug
Physatocheila dumetorum
Troilus luridus, Bronze Shieldbug
Bees & wasps etc
Vespa crabro, Hornet
Butterflies & moths
Acronicta rumicis, Knot-grass
Maniola jurtina, Meadow Brown
Tinea semifulvella
Dragonflies
Aeshna cyanea, Southern Hawker
Aeshna grandis, Brown Hawker
Aeshna mixta, Migrant Hawker
Sympetrum sanguineum, Ruddy Darter
Sympetrum striolatum, Common Darter
Grasshoppers etc.
Conocephalus discolor, Long-winged Conehead
Leptophyes punctatissima, Speckled Bush Cricket
Barklice, Booklice, Psocids
Cerobasis guestfalica
Ectopsocus briggsi
Ectopsocus petersi
Stenopsocus immaculatus
Stenopsocus stigmaticus
Valenzuela flavidus
Spiders
Araneus diadematus, Garden Spider
Araneus quadratus
Bathyphantes gracilis
Clubiona comta
Larinoides cornutus
Lepthyphantes tenuis
Metellina segmentata
Neriene montana
Paidiscura pallens
Philodromus aureolus
Theridion tinctum
Theridion varians
Harvestmen
Dicranopalpus ramosus
Leiobunum rotundum
Paroligolophus agrestis

43 species

Recorded by Ian and Christine McLean

True bug
Aphrophora alni
True fly
Bicellaria vana
Chalcosyrphus nemorum
Chrysoperla carnea
Coenosia infantula
Episyrphus balteatus
Fannia serena
Opomyza florum
Scaptomyza pallida

Lacewing
Ectopsocus briggsi,
Hoverfly
Episyrphus balteatus, Marmalade Hoverfly
Butterfly
Polyommatus icarus, Common Blue butterfly

Booklouse
Tamarixia upis,

13 species

Diptera recorded by Jonathan Cole

Recording was confined to the area south of River Lane at TL215698 . No species of note were found.

Bibionidae (March flies and lovebugs)
Dilophus febrilis (L.)
Sciaridae (Dark-winged fungus gnats)
Schwenkfeldina carbonaria (Meigen)
Psychodidae (Moth flies or drain flies)
Boreoclytocerus ocellaris (Meigen)
Chaoboridae (Phantom midges)
Chaoborus crystallinus (De Geer)
Stratiomyidae (Soldier flies)
Chorisops tibialis (Meigen)
Hybotidae (Dance flies)
Bicellaria vana Collin
Ocydromia glabricula (Fallén)
Platypalpus pseudofulvipes (Frey)
Dolichopodidae (Long-legged flies)
Argyra leucocephala (Meigen)
Dolichopus griseipennis Stannius
Poecilobothrus nobilitatus (L.)
Rhaphium appendiculatum Zetterstedt
Sympycnus desoutteri Parent
Xanthochlorus galbanus Chandler & Negrobov
Syrphidae (Flower flies)
Episyrphus balteatus (De Geer)
Lonchopteridae (Spear-winged flies)
Lonchoptera bifurcata Fallén
Lonchoptera lutea Panzer
Psilidae (Rust flies)
Chamaepsila rosae (Fabricius)
Conopidae (Thick-headed flies)
Conops quadrifasciata De Geer
Lauxaniidae (Acalyptrate flies)
Meiosimyza rorida (Fallén)
Tricholauxania praeusta (Fallén)
Sciomyzidae (Marsh flies)
Tetanocera ferruginea Fallén
Sepsidae (Black scavenger flies)
Nemopoda nitidula (Fallén)
Agromyzidae (Leaf-miner flies)
Agromyza albipennis Meigen
Phytomyza ranunculi (Schrank)
Opomyzidae (Acalyptrate)
Geomyza tripunctata Fallén
Opomyza florum (Fabricius)
Opomyza petrei Mesnil
Anthomyzidae
Anthomyza gracilis Fallén
Chloropidae (Frit flies)
Elachiptera cornuta (Fallén)
Thaumatomyia notata (Meigen)
Heleomyzidae (Sun flies)
Suillia variegata (Loew)
Sphaeroceridae (Small dung flies)
Opacifrons coxata (Stenhammar)
Pseudocollinella humida (Haliday
Rachispoda lutosa (Stenhammar)
Rachispoda lutosoidea (Duda)
Drosophilidae (Fruit flies)
Scaptomyza flava (Fallén)
Scaptomyza pallida (Zetterstedt)
Ephydridae (Shore flies)
Hydrellia maura Meigen
Parydra coarctata (Fallén)
Parydra fossarum (Haliday)
Scatella paludum (Meigen)
Anthomyiidae (Root-maggot flies)
Botanophila fugax (Meigen)
Delia coarctata (Fallén)
Fanniidae
Fannia serena Fallén)
Muscidae (House flies)
Azelia cilipes (Haliday)
Coenosia agromyzina (Fallén)
Coenosia infantula Rondani
Coenosia tigrina (Fabricius)
Hebecnema nigra (Robineau-Desvoidy)
Hebecnema vespertina (Fallén)
Helina impuncta (Fallén)
Limnophora triangula (Fallén)
Calliphoridae (Blow flies)
Pollenia griseotomentosa (Jacentkovský)
Pollenia rudis (Fabricius)
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55 species

Dr Pat Doody, 24th December 2015