

ELTON RESERVOIR BASIN COUNTRY PARK, RADCLIFFE & BURY, GREATER MANCHESTER

PRIORITY HABITATS: LOWLAND MEADOW & WAXCAP CHEGD, LOWLAND ACID GRASSLAND

**LOWLAND FEN, RUSH PASTURE, FLOOD-PLAIN GRAZING MARSH, BLUEBELL WOODLAND, WATER,
STREAMS, NON-PRIORITY MEADOWS**

INVERTEBRATE SURVEY

2020-2023

By Dave Bentley Entomology and Ecology Services

01/02/2024

The Elton Reservoir Basin has been managed as a working country park since September 2020 by the Elton Reservoir Basin Countryside Warden Service (NGO). We would like Natural England to declare a Site of Special Scientific Interest in our area. All our area is under threat from Places for Everyone local plan.

** The Elton Reservoir Basin Country Park includes the Greater Manchester's largest area of Lowland Meadow, Lowland Acid Grassland, Lowland Fen and Flood-plain Grazing Marsh. The plots have been tested by Natural England are identified on their Priority Habitats Inventory and some have appeared on MAGIC MAP, with others pending updates. Surveys available.

** We have a canal and canal reservoir and plenty of industrial archaeology. We have surviving elements of bocage landscape pre 1767. We have an Iron Age Hengiform Monument destined to be destroyed by a proposed road and a Roman Road.

** This is the fourth largest wetland in Greater Manchester, and the most diverse as it includes multiple different registered Sites of Biological Importance. The wetland is made up of many ponds (marlpits, brickpits, ancient coal mines), two reservoirs, streams and field ditches, a canal, a huge marsh, and a complex series of connecting drains that once collected water for industry - all edged by the River Irwell.

** Long-recognised as a birding hotspot this area of traditional hay meadows, pasture, flower-rich silage meadows and berry-bearing hedges and water has 49 BOCC Red list taxa and 72 Amber list taxa (full list available). Even the species-poor silage fields support several Lapwing nest each year, carefully protected by the farmer. 30+ Snipe have been flushed from the wetlands during botany surveys. The immense importance of this open area for migrating birdlife in the conurbation cannot be over-estimated. 42 of our bird species are fully protected by UK Law (W&CA Sch 1.1) and public authorities have a legal duty to conserve our 31 "Section 41 Species of Principal Importance".

** There are special water plants – Red Data Vulnerable and Near Threatened Whorled Water-milfoil (*Myriophyllum verticillatum*) fills the canal adjacent. The Elton Reservoir overflow weir stonework has at least 30 flowering plants of the Red Data listed Near Threatened Common Cudweed (*Filago vulgaris*). Of the aquatic plants Small Water-pepper (*Persicaria minor*) (Red Data Book Vulnerable), Mudwort (*Limosella aquatica*) (Nationally Scarce), Water Purslane (*Lythrum portula*), Horned Pondweed (*Zanichellia palustris*), Lesser Pondweed (*Potamogeton pusillus*) and Curled Pondweed (*P. crispus*) and Unbranched Bur-reed (*Sparganium emersum*) are present. There is a long list a fenland plants (available) which includes Greater Tussocks Sedge (*Carex paniculata*) and Slender Tufted Sedge (*Carex acuta*). We have a mossland with multiple *Sphagnum* species.

**Sixteen species of Waxcap mushroom are recorded by us including Jubilee, Pink, Earthy, and Glutinous, with Beige Coral also present amongst the rest of the CHEGD. Other uncommon fungi include *Arrhenia peltigerina* and *Arrhenia acerosa*. Waxcap grasslands are irreplaceable ancient habitats.

**We have breeding Otters (Protected) with footprints and spraints found up to 780m from the river.

**Brown Hare (Priority Species) are regularly seen across an area of 1.3km wide.

**We have multiple Great Crested Newt (Protected) breeding ponds, some also with Toad (Priority Species), Frog, Smooth Newt and Palmate Newt. There are several 4 and 5 species breeding ponds which are special. Toads also breed in the reservoirs and the canal and range across the site.

**Our streams are very clean habitats with a good number of high scoring taxa more likely found in the foothills, and a number of county firsts/ very local species.

**Invertebrate surveys have been carried out across the country park taking in all types of habitat from silage fields, pasture and hayfields to marsh, reedbed, water and stream. These are the results:

	Taxa	County Very		
		Scarce	First	Local
Overall	1173	34	131	252
Elton Reservoir SBI & c	313	3	13	35
Elton Goit SBI & c	633	15	55	112
Coney Green Meadows	400	6	52	77
Old Hall Meadows	333	6	35	64
Spen Moor & Dofferfold	478	10	31	84
Withins Reservoir & environs	468	6	38	71

Scarce is as on UKJNCC Taxon List (RBD, NS, NA, NB, S41) but where taxon are not covered by the list the expert authority is consulted. Here a County First record means we have the only (modern) record to date in Greater Manchester - a true county rarity (records per NBN Atlas, iRecord, rECOrd, and taxon websites and their atlases plus personal knowledge)(updated January 2024). Very Local means there are 1 to 4 other modern records. Note the final numbers above now include a handful of records taken from iNaturalist (which we confirmed from the photos) plus better number handling. So 1173 species or taxa with 34 officially scarce species, which is rather good.

The invertebrate table follows. This shows the species name, its habitat type and needs, and its national and Greater Manchester status (red columns) with Cheshire status given for comparison as black column. Red species are nationally scarce species etc, amber are the only record in Greater Manchester and green species are very local with 1-4 other Greater Manchester records.

Full reports on each of the surveyed areas are available, all subjects covered.

There are some maps at the end.

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davebentleyecology@gmail.com

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N
0

Methods include canvas bag netting, butterfly net, pond net, hard search

Br En
oa g/ Che
d W GM sh

Habitat

f

pitfall, pan and hanging bottle trap, vacuuming, beating, shaking.

H ab i- St a- Sta- Sta-

per

8

Explanatory notes at foot of table

TOTAL INVERTEBRATE TAXA: 1173 taxa inc 34 Scarce. Red taxa Scarce (34), Amber County Notable (131), Green are Very Local taxa (254) at Greater Manchester level

PROTOZOA:

SIMPLE ANIMALS: 5 species:

Ovoid-tipped

Zoothamnium Branched Animacule A C Wetland Attached to water beetle 2

Plumatella cf. reptans Bryozoan ^ Wetland On floating bottles here

<i>Piumatella cf reptans</i>	Bryozoan	A		Wetland	On floating bottles here	2	
<i>Ephydatia fluviatilis</i>	Green Sponge	A		Wetland	Canal/river/lake on hard substrate	4	
<i>Eunapis fragilis?</i>	Sponge	A		Wetland	Canal and river on hard substrate	1	
<i>Spongilla lacustris</i>	Sponge with fingers	A	L	VI	VI	Wetland Reservoirs on hard substrate	1

LUMBRICIDAE: EARTHWORM : 5 species:

ZOOBIOCENOSAL:	EARTHWORMS species:					
<i>Allolobophora chlorotica</i>	Green Worm	T	C	C/L	L	Flower meadows
<i>Dendrobaena octaedra</i>	Octagonal-tailed Worm	T	C/		NC	Neutral to base-rich grassland
<i>Eiseniella tetraedra</i>	Square-tailed Worm	W	C	C/L	C	Leaf litter is habitat & food
					*	Wood edge
						Shallow ponds, ditches, marshes
						2
						1
						4

<i>Lumbricus rubellus</i>	Red Worm	T	C	C	C	Wood edge	Least habitat specific Earthworm	6
<i>Lumbriculus variegatus</i>	Oligochate Worm	W	C	C	C	Wetland	Wetland shallows	9
<i>Enchytraeus</i>	Earthworm	E	ECHINIC	10	1			

HIRUDINEA: LEECHES: 10 species.

<i>Erpobdella octoculata</i>	Swimming Leech	A	C	C	C	Wetland	Swamps, ponds	8
<i>Erpobdella testacea</i>	Swamp Leech	A	L	L	L	Wetland	Swampy ponds/ditches	3
<i>Glossiphonia complanata</i>	Green Mollusc Leech	A	C	C	C	Wetland	Streams, ponds, swamps with molluscs	1
<i>Alboglossiphonia heterocloita</i>	Amber Mollusc Leech	A	C/	L	C	Wetland	Lakes, ponds, stream margins with molluscs	1
<i>Haemonis sanguisuga</i>	Horse Leech	A	L	C	L	Wetland	Ponds	1

<i>Helobdella stagnalis</i>	Two-eyed White Leech	A	C	C	C	Wetland	Ponds and wet swamps	8
<i>Hemiclepsis marginata</i>	Dumbbell Leech	A	L	L	L	Wetland	Ponds with amphibians & fish Well-oxygenated still & flowing	3
<i>Piscicola geometra</i>	Fish Leech	A	C	C	C	Wetland	with fish	1
<i>Theromyzon</i>							Permanent Ponds (attacks)	1

<i>Australopana sanguinea</i>	Australian Flatworm	T	A	A	A	Roughs	Urban edge, gardens. Eats worms	1
<i>Dendrocoelum lacteum</i>	Milky Flatworm a Native two-eyed Flatworm	A	C	C	C	Wetland	Ponds, slow streams	5
<i>Dugesia sp</i>	Flatworm	A	C	C	C	Wetland	Ponds, slow streams	3
<i>Girardia (Dugesia) tigrina</i>	Tiger Flatworm	A	A	A	A	Wetland	Streams, lakes	1
<i>Polycelis nigra</i>	Black Flatworm	A	C	C	C	Wetland	Lowland streams, lakes, ponds	2

<i>Cepaea nemoralis</i>	Brown-lipped Banded Snail	T	C	C	C	Wood edge	Woods, hedges, calc grasslands	7
<i>Cochlicopa cf lubrica</i>	Slippery Moss Snail	T	C	C	C/L	Wood edge	Woods, hedges, damp grass, wetlands	+
<i>Cornu aspersum</i>	Garden Snail	T	A C/ C/	C	C	Wood edge	Woods, hedges, gardens	6
<i>Euconulus alderi agg</i>	Tawny Glass Snail	W	L	L	L	Wetland	Wetlands	1
<i>Hygromia cinctella</i>	Girdled Snail	T	A	VL	L	Wood edge	Hedges, gardens	1
<i>Monacha cantiana</i>	Pink Kentish Snail	T	A	L	C	Roughs	Roadside, railways, rough ground	8
<i>Nesovitrea hammonis</i>	Rayed Glass Snail	T	C	C?	C?	Wood edge	Widespread + acid woods	6
<i>Oxylilus alliarius</i>	Garlic Snail	T	C	C	C	Wood edge	Widespread + acid woods	2
<i>Oxylilus cellarius</i>	Transparent Pale Cellar Snail	T	C	C	C	Wood edge	Widespread - woods, gardens, wastes	+
<i>Trochulus striolatus</i>	Strawberry Snail	T	C	C/L NC(	C	Wood edge	Gardens, woods, hedges, roughs	+
<i>Vallonia pulchella</i>	Smooth Glass Snail	T	L	196 5)	NC	Wetlands	Damp open habitats, wetlands, near ditches	1
<i>Zonitoides nitidus</i>	Shiny Glass Snail	W	C	L	C	Wetlands	Wetlands, river banks, marsh in woods	2
<i>Oxyloma elegans</i>	Pfeiffer's Amber Snail	W	C	C	C	Wetland	Wetlands	2
<i>Acroloxus lacustris</i>	Lake Limpet	A	C	C	C	Wetland	Permanent ponds, canals, lakes	8
<i>Ancylus fluviatilis</i>								
Score 6	River Limpet	A	C	C	C	Streams	Clean, stony streams	2
<i>Bithynia tentaculata</i>	Operculate Snail	A	C	C	C	Wetland	Permanent ponds, canals, lakes	9
<i>Potamopyrgus antipodarum</i>	Jenkin's Spire-snail	A	A C/ C/	C	C	Wetland	Streams, wetlands with flow usually	5
<i>Valvata piscinalis</i>	Common Valve Snail	A	L C/	L	L	Wetland	Large still or slow waterbodies	1
<i>Valvata cristata</i>	Flat Valve Snail	A	L	VL	L	Wetland	Still/slow weedy wetlandsstreams	2
<i>Anisus vortex</i>	Whirlpool Ramshorn	A	C	C	C	Wetland	Permanent ponds, canals, lakes	1
<i>Bathyomphalus contortus</i>	Twisted Ramshorn	A	C	L	L	Wetland	Mostly swampy ponds, also lakes, streams	5
<i>Gyraulus albus</i>	White Ramshorn	A	C	C	C	Wetland	Permanent ponds	0
<i>Gyraulus crista</i>	Nautilus Ramshorn	A	C N	C	C	Wetland	Permanent ponds	4
<i>Gyraulus laevis</i>	Smooth Ramshorn	A	S	NC	VL	Wetland	Clean ponds, lakes, sometimes new waters	1
<i>Hippeutis complanatus</i>	Flat Ramshorn	A	C	C	C	Wetland	Still or slow ponds, often muddy bottom	2
<i>Planorbarius corneus</i>	Great Ramshorn	A	C	C	C	Wetland	Ponds, canals, lakes	1
<i>Planorbis carinatus</i>	Keeled Ramshorn	A	C	C	C	Wetland	Streams, river, ponds, lakes	2
<i>Galba truncatula</i>	Dwarf Pond Snail	W	C	C	C	Wetland	Ponds and marshes with some surface water	1
<i>Physa fontinalis</i>	Common Bladder Snail	A	C	C	C	Wetland	Lakes, canals, large ponds	8
<i>Physella acuta</i>	American Bladder Snail	A	A C/ C/	C	C	Wetland	Ponds and ditches	8
<i>Radix auricularia</i>	Ear-pond Snail	A	L	C/L	C/L	Wetland	Lakes, canals, large ponds	6
<i>Lymnaea stagnalis</i>	Great Pond Snail	A	C	C	C	Wetland	Lakes, canals, large ponds	1
<i>Ampullaceana balthica</i> (<i>Lym per</i>)	Wandering Snail	A	C	C	C	Wetland	Ponds	3
<i>Stagnicola palustris</i>	Marsh Snail	A	C	C	C	Wetland	Swamps	2
<i>Anodonta cygnea</i>	Swan Mussel	L	L	L	L	Wetland	Lakes and very large ponds/reservoirs	9
<i>Musculium lacustre</i>	Lake Orb Mussel	A	C	C	C	Wetland	Ponds and wet swamps	3
<i>Sphaerium corneum</i>	Horny Orb Mussel	A	C	C	C	Wetland	Ponds and lakes	1
<i>Pisidium (Euglesa) nitidum</i>	Poreless Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	3
<i>Pisidium (Euglesa) obtusale</i>	Small-knobbed Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	1
							Ponds and ditches	2

<i>Pisidium (Euglesa) personatum</i>	Calloused Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	4
<i>Pisidium (Euglesa) pulchellum</i>	Rough Clavate Pea Mussel	A	C/ L	L	L	Wetland	Ponds and ditches	+
<i>Pisidium subtruncatum</i>	Short-ended River Pea Mussel	A	C	C?	L	Wetland	Fast streams, fast rivers.	5
<i>Ambigolimax valentianus</i>	Iberian 3-banded Slug	T	A	L	L	Roughs	Gardens, now woods	+
<i>Arion ater</i>	Black Soil Slug	T	C	C/L	C	Roughs	Almost everywhere	1
<i>Arion distinctus</i>	Brown Soil Slug	T	C	C/L	C/L	Roughs	Woods, most semi-natural & disturbed habitats	6
<i>Arion hortensis</i>	Purple Soil Slug	T	C	C	C	Roughs	Most habitats	2
<i>Arion flagellus</i>	Green-soled Slug	T	C	C	C	Roughs	Disturbed habitats, rich soils, moors, woods.	5
<i>Arion owenii</i>	Tawny Soil Slug Yellow-slimed Dusky Slug	T	L	NC	NC	Roughs	Damp woods, pasture, roadsides, gardens	1
<i>Arion subfuscus</i>		T	C	C	C	Roughs	All habitats, disturbed or natural	1
<i>Arion rufus</i>	Large Red Slug	T	C	C	C	Roughs	Almost all habitats	6
<i>Boettgerilla pallens</i>	Worm Slug	T	A	C/L	C/L	Roughs	Cracks in soil in disturbed habitats	7
<i>Deroceras reticulatum</i>	Netted Field Slug Tramp Slug (pale pore)	T	C	C	C	Roughs	All open habitats (not big wetlands)	2
<i>Deroceras invadens</i>		T	A	C	C	Roughs	Disturbed habitats	1
<i>Deroceras laeve</i>	Marsh Slug	W	C	C	C	Wetland	Disturbed habitats	1
<i>Limacus maculatus</i>	Green Cellar slug	T	A	C	C	Roughs	Buildings, forestry, farmland	7
<i>Limax cinereoniger</i>	Ash-black Slug	T	L	VL	VL	Wood edge	Woodland. Fungi eater	2
<i>Limax maximus</i>	Leopard Slug	T	C	C	C	Wood edge	Everywhere, BL woodland preferred	3
<i>Tandonia budapestensis</i>	Budapest Keeled Slug	T	A	C	C/L	Wood edge	Disturbed lowlands, wood, paths, ruins	5
<i>Tandonia sowerbyi</i>	Sowerby's Keeled Slug	T	A	VL	L	Wood edge	Many habitats, wood edge, roughs	1
HYMENOPTERA:	BEES, WASPS, ANTS, SAWFLIES:							2
5 Ant species:								
<i>Lasius niger</i>	Common Hairy-faced Black Ant	T	C	L	C/L	Roughs	Open habitats	1
<i>Myrmica lobicornis</i>	Lobed-antennae Red Ant	T	L	NC	NC	Roughs	Moor, lowland heath, roughs, open woods	1
<i>Myrmica rubra</i>	Short-spined Red Ant	W	C	L	C	Roughs	1	0
<i>Myrmica ruginodis</i>	Long-spined Red Ant	T	C	C/L	C	Roughs	Damp open areas preferred	8
<i>Myrmica scabrinodis</i>	Right-angle-antennae Red Ant	W	C/ L	L	L	Wetlands	Most habitats, rural or urban	1
16 Bee species:								
<i>Andrena clarkella</i>	Clarke's Mining Bee	T	C/ L	C/L	C/L	Roughs	Many natural habitats, bogs.	3
<i>Andrena cineraria</i>	Ashy Mining Bee	T	C	C	C/L	Wood edge	Open woods, heaths, moors, gravel pits	+
<i>Andrena fulva</i>	Tawny Mining Bee	T	C	C/L	C/L	Flower meadows	open woods, moors, river banks, quarries	3
<i>Apis mellifera</i>	Honey Bee	T	A	C	C	Flower meadows	Open grasslands, open woodland	5
<i>Bombus hypnorum</i>	Tree Bumblebee	T	C	C	C	Flower meadows	Domesticated; some feral colonies	2
<i>Bombus lapidarius</i>	Large Red-tailed Bumblebee	T	C	C	C	Flower meadows	Open woodland, gardens	0
<i>Bombus lucorum (stricto)</i>	White-tailed Bumblebee	T	C	C/L	C	Flower meadows	Gardens, open countryside, woodland	1
<i>Bombus pascuorum</i>	Common Carder Bee	T	C	C	C	Flower meadows	Most habitats except uplands	5
<i>Bombus pratorum</i>	Early Bumblebee	T	C	C/L	C	Flower meadows	Wide variety of habitats	1
<i>Bombus terrestris</i>	Buff-tailed Bumblebee	T	C	C	C	Flower meadows	Gardens, wood, roughs, brambles	2
<i>Halictus rubicundus</i>	Orange-legged Furrow Bee	T	C/ L	L	L	Flower meadows	Most habitats inc urban, not montane	1
							Wide variety, esp south facing bare banks	1

		T	C/I	VL	VL	Flower meadows	Miners in bareish horizontal ground	3
<i>Halictus tumulorum</i>	Bronze Furrow Bee	H	C/					1
<i>Lasioglossum</i> (wing in web)		+	L	L	L	Roughs	With A clarkella: open woods, heaths, moors	3
<i>Nomada leucopophthalma</i>	Early Nomad Bee	T	C	C	C/L	Flower meadows	Many habitats inc urban greenspace	2
<i>Osmia bicornis</i>	Red Mason Bee	T	A	NC	VL	Flower meadows	Alien came in imported plant stems	1
<i>Xylocopa violacea</i>	Violet Carpenter Bee							
29 other Hymenoptera taxa:								
<i>Cerceris rybyensis</i>	Ornate-tailed Digger Wasp	H	C/			Roughs	Sandy soils (bee hunting)	1
<i>Anoplus nigerrimus</i>	Spider Hunting Wasp	+	L	VL	L		Associated with dry grassland & scrub	1
<i>Vespula germanica</i>	German Wasp	T	L	C/L	C/L	Wood edge	Underground nest; predatory; flowers	6
<i>Vespula vulgaris</i>	Common Wasp	T	C	C	C	Wood edge	Open habitats/urban. Burrows, buildings, trees.	1
<i>Acrodactyla quadrisculpta larva</i>	Tetragnatha montana spider parasite as larvae	T	?	NC	NC	Wood edge	Parasite of common spider named Hedges/ copses. Attacks Lepidoptera	1
<i>Achaius oratorius</i>	Black & White Ichneumon	T	L	VL	VL	Wood edge		1
<i>Ichneumon</i> (numerous species)	Ichneumon larva on Araneidae	T						4
<i>Polysphincta?</i>		T					Parasite on spiders	9
Micro wasps (numerous species)								
<i>Andricus foecundatrix</i>	Artichoke Gall Wasp	T	C	C	C	Wood edge	Oak trees	4
<i>Andricus kollari</i>	Oak Marble (apple) Gall Wasp	T	C	C	C	Wood edge	Oak trees	3
<i>Andricus quercusalicis</i>	Oak Knopper Gall Wasp	T	A	C	C	Wood edge	Oak trees	5
<i>Gelis</i> sp (several species)	Wingless Ichneumon	T						3
<i>Neuroterus quercusbaccarum</i>	Common Spangle Gall Wasp	T	C	C	C	Wood edge	Oak trees	3
<i>Neuroterus numismalis</i>	Silk Button/ Currant Gall Wasp	T	C	C	C	Wood edge	Oak trees	2
<i>Aglaostigma fulvipes</i>	Bedstraw Sawfly	T	C	L	C/L	Wood edge	Bedstraws	3
<i>Athalia cordata</i>	Yellow and Black Sawfly	T	C/I	VL	L	Roughs	Plantain etc	1
<i>Dolerus haematodes</i>	Black Sawfly	T	L	VL	NC	Roughs	Sedges and grasses	3
<i>Eupontania pedunculi</i>	Willow Pea Gall Sawfly	T	C	C	C	Wood edge	Goat & Grey Willows	1
<i>Eutomostethus luteiventris</i>	Soft Rush Sawfly	W	C	VL	L	Wetland	Soft Rush	1
<i>Euura (Pachynematus) clitellata</i>	Meadow Sawfly	+	C	VL	L	Roughs	Grasses, sedges, rushes	1
<i>Euura (Nematus) myosotidis</i>	Clover Sawfly	T	L	NC	VL	Roughs	Clovers, Meadow Vetchling, Hedgerows	1
<i>Euura (Pachynematus) obducta</i>	Grass Sawfly	T	L	NC	NC	Roughs	Poa, Festuca and other grasses	1
<i>Hoplocampa crataegi</i>	Hawthorn Berry Sawfly	T	C/ 195 L 3) C/ 195 NC(	NC	NC	Wood edge	Hawthorn flowers & berries	1
<i>Macrophya ribis</i>	Elder Sawfly	T	L 0)	NC	NC	Wood edge	Elder	1
<i>Selandria serva</i>	Yellow & Black Sawfly	W	L	VL	C/L	Wetland	Larvae eat grasses, rushes in Wetlands	2
<i>Tenthredo mesomela</i>	Common Green Tenthredo Sawfly	T	C	L	C/L	Roughs	Willow, buttercup, willowherbs, dock etc	2
<i>Tenthredopsis nassata (poss scutellaris)</i>	Grassland Tussock Sawfly	T	C	VL	C/L	Roughs	Dac glo, Des ces, Des flex	2
<i>Phymatocera aterrima</i>	Solomon's-seal Sawfly	T	C	L	L	Roughs	Only around Solomon's-seal	1
MYRIAPODA: CENTIPEDES & MILLIPEDES: 12 species:								
<i>Cylindroiulus punctatus</i>	Lesser Club-tailed Millipede	H	C	C/L	C	Wood edge	Woodland + sandy heathland	1

<i>Cylindroiulus cf britanicus</i>	a Club-tailed Millipede	T H	C C	C	Wood edge	Decaying trees, compost heaps	2	
<i>Julus scandinavius</i>	Long-tailed Scored Brown Millipede	+ H	C	L	Roughs	Acidic, uncultivated land	2	
<i>Ommatoiulus sabulosus</i>	Common Stocky Striped Millipede	+ H	C	L	C/L	Sandy soils, acid woods, heaths, any habitat	5	
<i>Ophyiulus pilosus</i>	Hairy Millipede	T H	C	L	C/L	Wood edge	Deciduous Woodlands	2
<i>Polydesmus cf angustus</i>	Toothed Flat-backed Millipede	+ H	C	C	C	Woods, roughs, esp heaths +moors	2	
<i>Tachypodoiulus niger</i>	Black White-legged Millipede	T	C	C	C	Roughs	Most habitats, esp base rich sites	3
<i>Geophilus insculptus</i>	Common Geophilus Centipede	T	C/	NC	L	Roughs	Variety of urban & rural habitats	1
<i>Haplophilus subterraneus</i>	Western Yellow Centipede	T	C/	L	C	Wood edge	Woodlands, compost heaps	1
<i>Lamyctes emarginatus</i>	Australian One-eyed Centipede	T	A	NC	NC	Roughs	Damp habitats, arable, heath, moor, riverside	1
<i>Lithobius forficatus</i>	Common Lithobius Centipede	T H	C/	C	C	Roughs	Urban, suburban, many rural areas	5
<i>Lithobius variegatus</i>	Variegated Centipede	+ L	C/L	C		Roughs	Rural gardens, woods, moorland	4
ORTHOPTEROIDE								
A:								
GRASSHOPPERS (+ EARWIG): 7 species:								
<i>Omocestus viridulus</i>	Common Green Grasshopper	T	C	C/L	C/L	Roughs	Old grassland, damp meadows, rides	1
<i>Chorthippus parallelus</i>	Meadow Grasshopper	T H	C		C	Roughs	Damp, unimproved pastures and meadows	2
<i>Chorthippus brunneus</i>	Field Grasshopper	+ C/	C/L	C		Roughs	Unmanaged grassland, roughs, heaths	1
<i>Tetrix subulata</i>	Slender Groundhopper	W H	L	C/L	C	Wetland	Wetland edge habitats	9
<i>Tetrix undulata</i>	Common (Crested) Groundhopper	+ C/	C	L	C	Wetland	Wetland, heath, moist forest, bare areas	2
<i>Roeseliana roeselii</i>	Roesel's Bush-cricket	T	L	L	VL	Roughs	Rough, ungrazed grassland & scrub	1
<i>Forficula auricularia</i>	Common Earwig	T	C	C	C	Wood edge	Forests, agricultural, suburban areas	1
ARACHNIDA:								
SPIDERS, HARVESTMEN, MITES:								
86 Spider species:								
87								
<i>Amaurobius similis</i>	Similar Laceweb Spider	T	C/ L C/	C/L	C/L	Wood edge	By /in houses, bark, logs, stones, bushes	1
<i>Antistea elegans</i>	Marsh Combtail	W	L	L	L	Wetland	Reeds, marshes, bogs	4
<i>Argyroneta aquatica</i>	Water Spider	A H	L	L	L	Wetland	Ponds, lakes, canals	4
<i>Agalenatea redii</i>	Ruddy Orbweb Spider	+ L	VL	L		Roughs	Heather, Gorse, roughs, damp grass	1
<i>Araniella cucurbitana</i>	Common Cucumber Spider	T	C	VL	C/L	Wood edge	Trees, woods, hedges	0
<i>Araniella opisthographa</i>	Banded Cucumber Spider	T	L	VL	L	Wood edge	Woods, scrub, hedges	2
<i>Araneus diadematus</i>	Garden Cross Orb- web Spider	T	C/ C/	C	C	Roughs	Wide range of habitats	1
<i>Araneus quadratus</i>	4-spot Orb-web Spider	T	L	C	C	Roughs House, garden, tree trunks, rocks	Tall grasses, heather, gorse	0
<i>Eratigena (Tegenaria) saeva</i>	Large House Spider	T	C/ L	L	C/L		1	
<i>Larinoides cornutus</i>	Shield Orb-web Spider	W	C	C	C	Wetland	3	
<i>Larinoides sclopetarius</i>	Bridge Orb-web Spider	W	L	L	L	Wetland	Marshes, reeds, damp grass	1
<i>Nuctenea umbratica</i>	Walnut Orb-web Spider	T	C/ L	C	C	On bridges, building, fences near water	1	
<i>Zygiella x-notata</i>	Missing-sector Orb- web Spider	T H	C	C/L	C	Roughs	Buildings, gardens	1
<i>Dictyna arundinacea</i>	Yellow & Brown Meshweaver Spider	+ L	C/	L	C/L	Wood edge	Roughs, wood edges, hedges, Gorse/Heather	1
<i>Ero cambridgei</i>	Pirate Spider	T	C	VL	L	Wood edge	Bushes, trees low vegetation	2
<i>Pirata piraticus</i>	Cabin Hooks Otter Spider	W	C	C	C	Wetland	3	
						Wetlands, bogs	6	

<i>Alopecosa pulverulenta</i>	Dusty Wolf Spider	T	C	L	C/L	Roughs	Heath, roughs, moors, quarries	1	
<i>Pardosa amentata</i> (very banded)	Lump-hammer Wolf Spider	T	C	L	C	Roughs	Wide range, inc gardens	1	
	Cup & Cap Wolf Spider	H	C/				Roughs, heaths, open woods,	3	
<i>Pardosa nigriceps</i>	Spider	+	L	L	L	Roughs	verges	1	
	Bolster-chisel Wolf Spider	H						1	
<i>Pardosa pullata</i>	Spider	+	C	C/L	C	Roughs	Grass, heath, moor, woods, waste	2	
								2	
<i>Pardosa sp</i>	Wolf Spider (not determinable) Dark-fore-legged							6	
<i>Trochosa ruricola</i>	Wolf Spider	W	C		L	Wetland	Damp grass, marshes, ditches	2	
	Dark-fore-legged								
<i>Trochosa terricola</i>	Wolf Spider	T	C	C/L	C/L	Roughs	Woods, roughs, heaths, wastes	4	
	H	C/						1	
<i>Pisaura mirabilis</i>	Nurseryweb Spider	+	L	C	C	Roughs	Grassland, heaths, open woods	3	
	Hoof-palped Yellow Sac Spider	W	L		L	Wetland	Dry habitats in South Eng, bogs in North	2	
<i>Clubiona diversa</i>	Chevrons & Spots	W	C/						
<i>Clubiona lutescens</i>	Red Sac Spider	+	L	L	C/L	Wood edge	Low veg, bushes, trees, often damp	2	
	Red & Yellow Sac Spider	T	L	VL	C/L	Wood edge	Trees, shrubs, gardens	2	
<i>Clubiona pallidula</i>	Spider	C/						1	
<i>Clubiona phragmitis</i>	Reedbed Sac Spider	W	L	L	C	Wetland	Wetlands	0	
	Red Brown Paper Fan Sac Spider	T	C	C/L	C	Wetland	Low veg, tall herb, damp, many sites	3	
<i>Clubiona reclusa</i>		C/					Leaf litter, stones, debris: roughs + woods		
<i>Euophrys frontalis</i>	a Jumping Spider	T	L	L	C/L	Roughs	Mainly houses, also rocks, posts, bark	1	
	C/								
<i>Salicus scenicus</i>	Wall Jumping Spider	T	L	C	C/L	Roughs		1	
								5	
<i>Metellina mengei</i>	Stripe-bellied Spider	T	C	C/L	C	Wood edge	Bushes, vegetation etc to 2m	+	
<i>Metellina merianae</i>	Banded-legged Spider	W	C	C/L	C/L	Wetland	By streams, caves, damp woods	2	
								4	
<i>Metellina segmentata</i>	Stripe-bellied Spider	T	C	C	C/L	Wood edge	Bushes, vegetation etc to 2m	+	
	Tooth-fanged Long-jawed Hunting Spider	W	C	C	C	Wetland		1	
<i>Pachygnatha clerki</i>	Least Long-jawed Hunting Spider	T	C	C/L	C/L	Wood edge	Marshes. By water	7	
<i>Pachygnatha degeeri</i>	Banded V-marked Long-jawed Web-spinner	W	C	C	C	Wetland	Woodland rides to derelict land	1	
	Paler solid-coloured Long-jawed Web-spinner							7	
<i>Tetragnatha extensa</i>								4	
								7	
<i>Tetragnatha montana</i>								1	
								8	
<i>Tibellus oblongus</i>	Less-spotted Tibellus	T	C	C	C	Wood edge	Low veg, bushes, trees	4	
	H	C/							
<i>Enoplognatha</i>								2	
<i>Neottiura bimaculata</i>	Three-banded Therid Spider	T	C/	L	C/L	C	Wood edge	Low veg, bushes, trees	5
			L	C/					
<i>Paidiscura pallens</i>	Sputnik Spider	T	L	L	C	Wood edge	Oak trees. Distinctive egg sack	4	
	Banded-leg Therid Spider	T	L	L	L	Wood edge	Gorse, oak, nettles, thistles	5	
<i>Phylloneta impressa</i>	Mothercare (net-patterned) Therid Spider	H	C/						
		+	L	C/L	C	Wood edge	Gorse + Heather, also scrub + tall herb	1	
<i>Phylloneta sisypbia</i>	Red-arrowed Therid Spider	T	L	VL	L	Wood edge		2	
<i>Theridion cf pictum</i>	Therid Spider	T	L	VL	L	Wood edge	Wetland, roughs, scrub	1	
							Shrubs, trees, vegetation, walls, fences		
<i>Theridion varians</i>								1	
<i>Robertus lividus</i>	Small Brown Spider	T	C	L	L	Roughs	Ground layer many habitats	1	
	Common Running Crab Spider	T	C/	L	C/L	Wood edge			
<i>Philodromus aureolus</i>	Running Crab Spider juveniles	T	L	VL	C/L	Wood edge	Trees, scrub, hedge, woods	4	
<i>Philodromus aureolus</i>	Dimorphic Running Crab Spider	T	C/	L	C/L	Wood edge		5	
group	Common Anchor Crab Spider	T	L	C/L	C	Wood edge	Vegetation, bushes, lower parts of trees		
								4	
<i>Philodromus dispar</i>								3	
<i>Xysticus cristatus</i>	Spanner-tipped Cone-palp Money Spider	T	C	C/L	C	Roughs	Low vegetation but not woodland	3	
<i>Agynteta decora</i> (R Gallon)	Complex Money Spider	T	L	VL	VL	Roughs	Heaths, roughs, woods, wetlands	1	
		N							
<i>Allomenea vidua</i>	Spider	W	S	VL	VL	Wetland	Swamp, fen, marsh	3	

<i>Baryphyma trifrons</i>	Yellow-legged Dark-bodied Money Spider	W	L	L	VL	Wetland	Fens, marshes, swamps, damp grass, dunes	1
<i>Bathyphantes approximatus</i>	Moustached Money Spider	W	L	C/L	C	Wetland	Ground layer in wetlands/wet woodland	0
<i>Bathyphantes gracilis</i>	Wide-loop Money Spider	T	C	C	C	Roughs	Roughs, heaths, woods, marsh	8
<i>Bathyphantes parvulus</i>	No-loop Money Spider	W	C/	L	L	Wetland	Grassland - acid, chalk, heath, marsh	7
	Small-capped-abdomen Money Spider	+	L	L	L	Wetland		3
<i>Ceratinella brevipes</i>		W		C	L	Wood edge	Woods, heath, grassland, wetland	1
<i>Centromerita concinna</i>	Hairy-wristed Brown Money Spider	W		L	L	Wetland	Woodland, wetland, heath, moor	1
<i>Cnephalocotes obscurus</i>	Saw-edged-palp Black/Yellow Money spider	T	C/	L	C/L	Roughs	Detritus, moss, other vegetation	1
<i>Dicymbium nigrum</i>	Orange & Brown Money Spider	W	C/		C/L	Wetland	Bogs, marsh, wood, heath, roughs	0
<i>Diplocephalus permixtus</i>	Groove-faced Money Spider	+	L	L	C/L	Wetland	Wide variety of marshy habitats	3
<i>Dismodicus bifrons</i>	Squat Black Money Spider	W	L	C/L	C/L	Wetland		4
<i>Erigone atra</i>	Aeronaut Money Spider	T	C	C/L	C/L	Roughs	Roughs, fens, scrub	1
<i>Erigone dentipalpis</i>	Spider	T	C	C/L	C	Roughs	Aeronaut. Many wild habitats	1
<i>Gnathonarium dentatum</i>	Pelican-palped Money Spider	W	C/	L	C/L	Wetland	All manner of habitats	5
<i>Gongylidium rufipes</i>	Orange & Yellow-legged Money spider	W	C/	L	C/L	Wood edge	Lowland wetlands, inundation	1
<i>Hypomma bituberculatum</i>	Orange & Grey Yellow-legged Money Spider	+	L	L	C/L	Wetland	grassland	8
<i>Linyphia hortensis</i>	Dark-headed Purple-backed Linyphid Spider	T	C/	L	C	Wood edge	Trees, Bushes, undergrowth, wetlands etc	1
<i>Linyphia triangularis</i>	Oakleaf-patterened Linyphid Spider	T	C	C/L	C	Wood edge	Swamps by rivers & ponds	1
<i>Lophomma punctatum</i>	Punctured Money Spider	W	C/	L	C/L	Wetland	Hedges, woodland, low plants	1
<i>Microlinyphia pusilla</i>	Brown spotted Linyphid Spider	W	C	L	C	Wetland	Bushes and low vegetation	3
<i>Monocephalus fuscipes</i>	Yellow+ Brown Money Spider	T	C	L	C/L	Wood edge	Carr, bog, Phragmites reedbed	5
<i>Neriene clathrata</i>	W-marked Linyphid Spider	T	C/	L	C/L	Wetland	Roughs, damp grassland	4
<i>Neriene montana</i>	Purple Oak-leaf Money Spider	T	L	C/L	C	Wood edge	Leaf litter in woods, heath, grass, quarry	1
<i>Neriene peltata</i>	Purple-banded Linyphid Spider	T	C	L	C	Wood edge	Wide range in leaf litter and low veg	3
<i>Oedothorax fuscus</i>	Brown Money Spider (seen by Rich Burkmar)	T	C	C/L	C	Roughs	Low vegetation in woods & shady places	8
<i>Oedothorax retusus</i>	Two-pitted Money Spider	T	C	C/L	C	Roughs	Low vegetation, bushes, open habitats	+
<i>Pelecopsis parallelus</i>	<i>Scutumed Fingered</i> Money Spider	T	C/	VL	VL	meadows	Grassland, farmland grass	4
<i>Silometopus elegans</i>	Brown Money Spider	W	L	L	L	Wetland	Grasslands, moss, detritus, stones	5
<i>Tallusia experta</i>	Fingered Money Spider	W	C/	VL	L	Wetland	Grass, moss, undergrowth, marshes	1
<i>Tenuiphantes tenuis</i>	Bolas Linyphid Spider (was Leptyh..)	T	C	C/L	C	Roughs	Carr, bog, fen, reeds, wet meadows	5
<i>Tenuiphantes zimmermanni</i>	Spots-n-stripes Linyphid Spider (was Leptyh..)	H	C	C/L	C	Wood edge	Low veg, moss, leaf litter, grassland, wetland	7
<i>Tmeticus affinis</i>	Orange & Grey Money Spider	+	N	C/L	C	Roughs	Litter and logs in Woods. Heaths	3
<i>Walckenaeria acuminata</i>	a Periscope Money Spider	W	S	NC	VL	Wetland	Moss/grass in wet swamps	1
<i>Walckenaeria unicornis</i>	Unicorn Money Spider	W	L	L	C/L	Wetland	Wood, scrub, heath, wetland	1
<i>Walckenaeria nudipalpis</i>	a Periscope Money Spider	W	C/	C/L	C/L	Wetland	Marshy veg and tall herb and scrub	2
		W	L	L	C/L	Wetland	Damp wood, moor, marsh, swamp	2

8 Harvestman species:

<i>Pacifastacus leniusculus</i>	Signal Crayfish	A	C/ L	C/L	C/L	Wetland	Rivers, canals, lakes	2
<i>Asellus aquaticus</i>	Common Hoglouse	A	C	C	C	Wetland	Wide variety of waterbodies	3
<i>Crangonyx pseudogracilis</i>	American Freshwater Shrimp	A	A	C	C	Wetland	Wide variety of waterbodies	4
<i>Gammarus pulex (stricto)</i>	Freshwater Shrimp	A	C	C	C	Wetland	Running water mostly/large waterbodies	2
<i>Oniscus asellus</i>	Common Shiny Woodlouse	T	C	C	C	Roughs	All damp habitats, woods, logs, gardens	8
	Common Striped Woodlouse (head dot, lateral bands)	T	C	C	C	Roughs	Hedges, roughs, woods, gardens	9
<i>Philoscia muscorum</i>	Common Rough Woodlouse	T	C	C	C	Roughs	Wide range, drier than <i>Oniscus</i>	2
<i>Porcellio scaber</i>	Common Pigmy Woodlouse	T	C	C	C	Roughs	Damp soil and deep leaf litter	7
<i>Trichoniscus provisorius agg</i>		T	C	C	C	Roughs		
MEGALOPTERA:	LACEWINGS & SCORPION FLIES: 6 species:							
<i>Chrysoperla carnea</i>	a Green Lacewing	T	C	L	C	Wood edge	Anywhere aphids found	3
			C/ C/				Often associated with deciduous trees	
<i>Hemerobius lutescens</i>	a Brown Lacewing	T	L	L	C/L	Wood edge		3
<i>Hemerobius micans</i>	Clear-dashed Brown Lacewing	T	C	L	C/L	Wood edge	Oak trees	1
<i>Coniopteryx</i> sp (1 of 5 spp)	Waxwing (female)	T	L	NC	VL	Wood edge	Tall herbage. Foliage.	2
<i>Parnopa germanica</i>	German Scorpion Fly	T	C	C/L	C/L	Wood edge	Tall herbage. Foliage.	1
<i>Sialis lutaria</i>	Common Alderfly	A	C	L	C	Wetland	Ponds with reedswamp and silt	1
		+						0
EPHEMEROPTERA:	Mayflies: 3 species:							
<i>Baetis rhodani</i> Score 4	Common Stream Mayfly	A				Streams	Riffles in streams & rivers	4
		+	C	C	C			
<i>Baetis vernus</i> Score 4	Medium Olive Mayfly	A	C/ A	L	NC	L	Pools/margins rivers/streams	2
		+						2
<i>Cloeon dipterum</i>	Pond Olive Mayfly	A	C	C	C	Wetland	Ponds	0
PLECOPTERA:	Stoneflies: 2 species:							
<i>Leuctra fusca</i> Score 10	Dark Stonefly	A	C/ +	L	VL	NC	>Mainly upland streams	1
		+						
<i>Nemurella pictetii</i>	Stonefly	A	C/ +	L	L	L	Still or slow water with emergents	2
TRICHOPTERA:	Caddisflies: 23 species:							
<i>Agapetus fuscipes</i>	Tiny Grey Sedge Caddis	A					Stony flows, from trickles to rivers	1
<i>Beraea maurus</i> Score 10		+	C	C/L	C	Wetland	Moss/fallen leaves in springs/trickles	
	Three-hook Caddis	A	C/ +	L	L	C/L	Vegetated marshes, springs, stream edges	2
<i>Beraea pullata</i>	Two-hook Caddis	A	C/ +	L	C/L	C/L	Stony/weedy streams, rivers, upland lakes	3
<i>Chaetopteryx villosa</i>	Hairy round-winged caddis	A	C	C/L	C/L	Wetland		2
<i>Glyphotaelius pellucidus</i>	Mottled Sedge Caddis	A	C	C/L	C	Wetland	Still/slow water with fallen leaves	6
		+	N	C/L	C		Ponds, fens, reedswamps drying in summer	
<i>Limnephilus binotatus</i>	Two-spotted Caddis	A	S	L	L	Wetland		1
<i>Limnephilus flavicornis</i>	Golden-horned Caddis	A	C	C	C	Wetland	Ponds	3
<i>Limnephilus marmoratus</i>	Marbled Caddis (L fav gp)	A	C	C	C	Wetland		+
<i>Limnephilus rhombicus</i>	Rhomboid-patch Caddis (adult)	A	C	L	L	Wetland	Ponds	3
		+						+
<i>Limnephilus decipiens</i>	Deceiving Caddis	A	C	NC	L	Wetland	Still and slow waters	1
		+	N					
<i>Limnephilus hirsutus</i>	Hairy Trickle Caddis	A	S	L	VL	Wetland	Lakes, slow rivers, canals	1
<i>Limnephilus lunatus</i> Score 7	Crescent-moon Caddis	A	C	C	C	Wetland	Small, bare, muddy trickles near erosion	1
<i>Micropterna lateralis</i> Score 7	Brown Stream Caddis	A	C	C/L	C	Streams		9
<i>Micropterna sequax</i> Score 7	Brown & Yellow Stream Caddis	A	C	C	C	Streams	Small temporary streams/ditches	2
		+					Small streams, can be semi-permanent	
<i>Phryganea bipunctata</i>	Four-spotted Lake Caddis	A	C	C	C	Streams		4
		+						1
							Ponds, lakes, canals	+

<i>Potamophylax cingulatus</i> Score 7	Pale-eyed River caddis	A +	C/ L	C/L	C/L	Streams	Streams and rivers	2
<i>Potamophylax latipennis</i> Score 7	Brown-eyed River Caddis	A +	C	C/L	C/L	Streams	Streams, rivers, lakes	2
<i>Potamophylax rotundipennis</i> Score 7	Broad-winged River Caddis	A +	L	L?	L?	Streams	Streams and small rivers	1
<i>Sericostoma personatum</i> Score 10	Multi-hooked Cased Caddis	A +	C	C/L	C/L	Streams	Rivers, streams, stony lakes	3
<i>Hydropsyche angustipennis</i> Score 5	Dark Brown Caseless Caddis	A +	C	C	C	Streams	Rivers, streams, lake outfalls	3
<i>Plectrocnemia conspersa</i>	Brown net-&-spot Caddis	A +	C	C/L	C/L	Streams	Upper-reaches of streams	3
<i>Rhyacophila dorsalis</i> Score 7	Branched Gill Caddis	A +	C	C	C	Streams	Clean rivers & streams	2
<i>Tinodes waeneri</i> Score 8	Brown Caddis (caseless)	A +	C	C	C	Streams	Stony lakes, slow rivers mainly	2
ODONATA:								
DRAGONFLIES & DAMSELFLIES: 15 species:								
<i>Aeshna cyanea</i>	Southern Hawker Dragonfly	A +	C	C	C	Wetland	Ponds + margins	1
<i>Aeshna grandis</i>	Brown Hawker Dragonfly	A +	C/ L	C	C	Wetland	Ponds + margins	1
<i>Aeshna juncea</i>	Common Hawker	A +	C/ L	C	C	Wetland	Pond + margins acid-neutral	5
<i>Aeshna mixta</i>	Migrant Hawker	A +	C	C/L	C	Wetland	Standing water, hedges, wood edge	1
<i>Anax imperator</i>	Emperor Dragonfly	A +	C	C	C	Wetland	Deeper Ponds + margins	1
<i>Calopteryx splendens</i>	Banded Demoiselle	A +	C	C	C	Wetland	Clean rivers	0
<i>Libellula depressa</i>	Broad-bodied Chaser	A +	C	C/L	C	Wetland	Shallow muddy bottom ponds + margins	1
<i>Orthetrum cancellatum</i>	Dragonfly (up)	A +	C/ L	C/L	C	Wetland	New bare ponds	2
<i>Sympetrum danae</i>	Black-tailed Skimmer	A +	L	L	C	Wetland	Heaths, moors, bogs. Sphagnum	1
<i>Sympetrum striolatum</i>	Black Darter	H A	L	L	L	Wetland	Ponds + margins	1
<i>Lestes sponsa</i>	Common Darter	A +	C	C	C	Wetland	Ponds + margins	1
<i>Enallagma cyathigerum</i>	Dragonfly	A +	C	C	C	Wetland	Deep, substantial ponds/lakes	1
<i>Coenagrion puella</i>	Emerald Damselfly	A +	C	C/L	C	Wetland	Ponds + margins	7
<i>Ischnura elegans</i>	Common Blue Damselfly	A +	C	C	C	Wetland	Ponds + margins	1
<i>Pyrrhosoma nymphula</i>	Azure Damselfly	A +	C	C	C	Wetland	Swampy ponds + margins	2
HEMIPTERA:								
WATER BUGS: 27 species:								
<i>Velia caprai</i>	Water Cricket	A	C	C	C	Wetland	Mostly rivers/streams: little vegetation	7
<i>Microvelia reticulata</i>	Lesser Water Cricket	A	C	L	L	Wetland	Marshy margins of ponds	6
<i>Gerris lacustris</i>	Common Pond Skater	A	C	C	C	Wetland	Lake, pond also river	+
<i>Gerris lateralis</i>	Silver-spotted Pond Skater	A	L	L	L	Wetland	Swampy ponds. Big sites	1
<i>Gerris odontogaster</i>	Toothed Pond Skater	A	C	C	C	Wetland	Permanent ponds, lakes	3
<i>Gerris thoracicus</i>	Yellow Pond Skater	A	C	C	C	Wetland	Open permanent ponds/ lakes	+
<i>Corixa panzeri</i>	Smaller Darker Water Boatman	A	C/ C/ L	VL	L	Wetland	Deeper, barer alkaline ponds	2
<i>Corixa punctata</i>	Common Water Boatman	A	C	C	C	Wetland	Permanent ponds	1
<i>Callicorixa praeusta</i>	Black-footed Lesser Water Boatman	A	C	C	C	Wetland	Permanent ponds	7
<i>Hesperocorixa linnaei</i>	Fully-striped Lesser Water Boatman	A	C	C	C	Wetland	Permanent ponds	8
<i>Hesperocorixa sahlbergi</i>	Pale-patched Lesser Water Boatman	A	C	C	C	Wetland	Permanent ponds	6
<i>Sigara distincta</i>	Two-rowed Lesser Water Boatman	A	C	C	C	Wetland	Ponds and wet swamps	7
<i>Sigara dorsalis</i>	Pale-shouldered Water Boatman	A	L	C	C	Wetland	Permanent ponds	5

<i>Sigara falleni</i>	Triangular-paddled Water Boatman	A	C/ L	C	C	Wetland	Permanent ponds	8
<i>Sigara fossarum</i>	Two-spotted Water Boatman	A	L C/	C	L	Wetland	Permanent ponds/swamps	2
<i>Sigara lateralis</i>	Dark-clawed Yellow Water Boatman	A	C C/	L?	C	Wetland	Permanent ponds often with bare clay	4
<i>Sigara limitata</i>	Four-striped Lesser Water Boatman	A	L	C	L	Wetland	Permanent ponds	3
<i>Sigara nigrolineata</i>	Zebra Water Boatman	A	C	C	C	Wetland	Permanent ponds	4
<i>Sigara semistriata</i>	6-banded Lesser Water Boatman	A	L	L	L	Wetland	Lakes, ponds, rivers below neutral pH	3
<i>Notonecta glauca</i>	Common Backswimmer	A	C C/	C	C	Wetland	Permanent ponds	4
<i>Notonecta maculata</i>	Spotted Backswimmer	A	L C/	L	VL	Wetland	Permanent ponds with bare clay/rocks	2
<i>Notonecta obliqua</i>	Black Backswimmer	A	L C/	VL	VL	Wetland	Permanent ponds in acidic areas	5
<i>Notonecta viridis</i>	Ivory X-marked Backswimmer	A	L	L	L	Wetland	Permanent open ponds	7
<i>Hydrometra stagnorum</i>	Common Water Measurer	A	C C/	C	C	Wetland	Permanent ponds	1
<i>Ilyocoris cimicoides</i>	Saucer Bug	A	L C/	VL	C	Wetland	Permanent ponds	2
<i>Ranatra linearis</i>	Water Stick Insect	A	L	L	L	Wetland	Permanent deep ponds	1
<i>Nepa cinerea</i>	Water Scorpion	A	C	C	C	Wetland	Permanent and semi-permanent ponds	1
HEMIPTERA:	LAND BUGS:							2
2 Shorebug species:								
<i>Chartoscirta cincta</i>	Narrow-necked Shorebug	W	C/ L C/	VL	L	Wetland	Swamps, acid & alkaline	9
<i>Saldula saltatoria</i>	Common Shorebug	W	L	L	C/L	Wetland	Pond and ditch margins. Predator.	2
6 Shieldbug species:								
<i>Acanthosoma haemorrhoidale</i>	Hawthorn Shieldbug	T	C C/	C	C	Wood edge	Hawthorn + Oak, Hazel, Birch	2
<i>Aelia acuminata</i>	Bishop's Mitre Shieldbug	T	L	VL	L		Roasaceae. Many habitats, hedges, wood edges	1
<i>Dolycoris baccarum</i>	Sloe (Hairy) Shieldbug	T	C	C/L	C	Wood edge	2	
<i>Palomena prasina</i>	Green Shieldbug	T H +	C	C	C	Wood edge	8	
<i>Picromerus bidens</i>	Spiked Shieldbug	W	C	C/L	C/L	Heaths	1	
<i>Zicrona caerulea</i>	Blue Shieldbug	+	C	C/L	C/L	Wetland	Attacks beetles which feed on Willowherb	1
3 Lacebug species:								
<i>Dictyla convergens</i>	Forget-me-not Lacebug	W +	L	NC (19)	86	Wetland	Water Forget-me-not flowers	1
<i>Physatocheila dumetorum/confinis</i>	Lichen Lacebug	T	L C/	NC	VL	Wood edge	3	
<i>Tingis ampliata</i>	Creeping Thistle Lacebug	T	L	VL	L	Roughs	Creeping Thistle	2
1 Rhopalid Bug species:								
<i>Myrmus miriformis</i>	Red and Green Rhopalid Bug	T	C/ L	VL	NC	Wetland	Grass leaves/seeds dry/damp grassland	1
6 Flower Bug species:								
<i>Anthocoris nemoralis</i>	Banded Flower Bug	T	C/ L	VL	C	Wood edge	Deciduous trees with insects	4
<i>Anthocoris nemorum</i>	2-spotted all-shining Flower Bug	T	C	C	C	Roughs	Lower vegetation with insects	1
<i>Orius not horvathi</i>	Unnamed Minute Flower Bug	T	?	NC	NC	Wood edge	8	
<i>Orius laevigatus</i>	4-haired pale-legged Minute Flower Bug	T H	L	VL	VL	Roughs	Deciduous trees, inc Elm, Lime	1
<i>Orius niger</i>	4-haired mostly-dark Minute Flower Bug	+	L	NC	VL	Roughs	Grasslands, roughs	1
<i>Orius majusculus</i>	Unhaired Minute Flower Bug	W	L	NC	L	Roughs	Low vegetation, heaths	1
							Wetlands, grasslands, roughs	2

33 Plant Bug species:

			C/ L	VL	VL	Roughs			
<i>Apolygus lucorum</i>	Mugwort Plant Bug	T	C/ L	VL	VL	Roughs	Nettle, Mugwort, Hemp-agrimony	1	
	Black-tipped		C/				Bramble, Nettle, Thistle,		
<i>Apolygus spinolae</i>	Apolygus Plant Bug	T	L	L	C/L	Roughs	Meadowsweet etc	2	
	Long-antennae Fern		C/						
<i>Bryocoris pteridis</i>	Bug	T	L	L	L	Wood edge	Damp woodlands with ferns	3	
	Red & Yellow-spotted		C/						
<i>Campyloneura virgula</i>	Plant Bug	T	L	L	L	Wood edge	Predatory. Hazel, Hawthorn, Oak	1	
<i>Closterotomus norwegicus</i>	Potato Green-heart					Flower meadows	Nettles, composites, clover, buds + fruit	1	
	Capsid	T	C	C/L	C	Flower meadows			
<i>Closterotomus trivialis</i>	Mediterranean Capsid	T	A C/	VL	VL	Flower meadows	Many types of flowering plants	1	
<i>Cyllecoris histrionius</i>	Oak Plant Bug	T	L	VL	C	Wood edge	Feeds on Oak aphids and buds	1	
	Green & Brown Plant		C/						
<i>Cyrtorhinus caricis</i>	Bug	W	L C/	VL	VL	Wetlands	Wetlands, sedges, rushes	1	
			C/						
<i>Deraeocoris lutescens</i>	Oak Plant Bug	T	L	C/L	C/L	Wood edge	Deciduous trees inc Oak	1	
	Red-antennae		C/						
<i>Dicyphus epilobii</i>	Willowherb Plant Bug	W	L C/	VL	C/L	Wetland	Great Willowherb (damp areas)	2	
			C/						
<i>Dicyphus globulifer</i>	Campion Plant Bug	T	L	NC	VL	Wood edge	on Red & White Campions	1	
	Hedge Woundwort								
<i>Dicyphus stachydis</i>	Plant Bug	T	C	VL	L	Wood edge	Hedge Woundwort	1	
<i>Europiella artemisiae</i>	Mugwort Bug	T	L C/	NC	NC	Flower	Mugwort	1	
	Black, Yellow &		C/			meadows			
<i>Grypocoris stysi</i>	Orange Plant Bug	T	L	C/L	C	Wood edge	Woodland nettles and umbellifers	9	
	Huge-antennae		C/				Trees, herbs, nettles, fruit, buds, insects	1	
<i>Heterotoma planicornis</i>	Grassbug	T	L	C/L	C	Wood edge		1	
	Large Dimorphic		C/						
<i>Leptopterna dolabrata</i>	Meadow Plant Bug	T	C	C/L	C	Wetland	Grasses, esp damper sites	3	
	Three-spotted Nettle							1	
<i>Liocoris tripustulatus</i>	Plant Bug	T	C	C	C	Wood edge	Nettles	4	
	Common Green								
	Capsid (pale tibia spines)								
<i>Lygocoris pabulinus</i>		T	C R	L	C	Wood edge	Woody plants + herbs esp nettles	5	
			D						
<i>Lygus pratensis</i>	Black-tongued						Southern heaths now expanding range	1	
	Shining Plant Bug	T	B3	NC	VL	Roughs		2	
	Long-haired								
<i>Lygus rugulipennis</i>	Tarnished Plant Bug	T	C C/	C/L	C	Wood edge	Wide variety of herbs & shrubs	1	
	Red-legged Striped		C/						
<i>Miris striatus</i>	Plant Bug	T	L C/	L	L	Wood edge	Oak, Hawthorn, predatory	1	
	Short-antennae		C/						
<i>Monalocoris filicis</i>	Bracken Bug	T	L	L	L	Wood edge	Ferns	2	
	Dimorphic Hairy								
	Unpunctured								
<i>Notostira elongata</i>	Grassbug	T	L C/	C/L	C	Roughs	Grasslands	2	
	Brown-spotted Green		C/					5	
<i>Orthops campestris</i>	Green-heart Bug	T	L	L	L	Roughs	Umbellifers	4	
	Long-legged Grass		C/						
<i>Phytocoris varipes</i>	Bug	T	L C/	L	L	Roughs	Rough grassland flowers/seeds	1	
	Pale-legged Black		C/						
<i>Pithanus maerkelii</i>	Ant-like Bug	T	L	L	L	Roughs	Damp grassland. Predatory	1	
<i>Plagiognathus arbustorum</i>	Olive Spotted-legged	T	C	L	C	Wood edge	esp Nettles	1	
	Grassbug		C/						
<i>Plagiognathus chrysanthemi</i>	Green Spotted-legged	T	L C/	L	L	Flower meadows	Grass & wastelands: Asteraceae	8	
	Grassbug		C/						
<i>Psallus varians</i>	Ruddy Bug	T	L	VL	C/L	Wood edge	Oaks	1	
	2-spurred Punctured							2	
<i>Stenodema calcarata</i>	Grassbug	T	C C/	L	C	Roughs	Grass seeds	4	
	Short Punctured		C/						
<i>Stenodema holsata</i>	Grassbug	T	L	VL	VL	Roughs	Acid grasslands, mostly uplands	3	
	Unspurred Punctured		C/					3	
<i>Stenodema laevigata</i>	Grassbug	W	C	L	C	Wetland	Damp areas - grass seeds	2	
<i>Tytthus pygmaeus</i>	Marsh Leaf Bug	W	L	NC	NC	Wetland	Marsh, with Leaf Hoppers	1	
10 Ground Bug species:									
<i>Cymus melanocephalus</i>	Punctured Dark-scutellum Ground Bug	W	C	L	L	Wetland	Damp areas trefoil, loosestrife, rush	1	
	V-marked Buff							7	
<i>Drymus sylvaticus</i>	Ground Bug	T	C	VL	L	Roughs	Moss, grass, leaf litter	2	

<i>Heterogaster urticae</i>	Grey Nettle Bug	T W + H	C/ C/ L C/ C/ C/ T T H	L L C/L C NC L L L L L VL C/ C/ C/L	L L C C VL L L L L L VL VL	Wood edge Wetland Wood edge Wood edge Roughs Wood edge Wood edge Heaths	Nettles Wetland grass/reeds - migrating to drier grasses Birch Dry grassland/ open habitats Leaf litter inc Nettles Leaf litter in various habitats Rich vegetation esp Nettles Dry habitats, sandy soils	5 1 7 2 2 1 2 2 1 0
<i>Ischnodemus sabuleti</i>	European Chinchbug							
<i>Kleidocerys resedae</i>	Birch Catkin Bug							
<i>Peritrechus geniculatus</i>	Bent-kneed Ground Bug							
<i>Scolopostethus affinis</i>	Paler Tubercled Ground Bug	T	L C/ C/ C/ T	L NC VL	L	Wood edge	Leaf litter inc Nettles	1
<i>Scolopostethus grandis</i>	Darker Tubercled Ground Bug	T	L C/ C/ C/L	NC NC	Wood edge	Leaf litter in various habitats	2	
<i>Scolopostethus thomsoni</i>	Untubercled Ground Bug	T	L C/ C/ C/L	L L	Wood edge	Rich vegetation esp Nettles	2	
<i>Stygnocoris sabulosus</i>	Shiny Hairy Yellow-legged Ground Bug	H +	L L	VL VL	VL	Heaths	Dry habitats, sandy soils	1 0
5 Damselbug species:								
<i>Himacerus major</i>	Grey Damselbug (dark striped femurs)	W +	C/ L C/ C/L	VL	L	Wetland	Grassy habitats, inc dunes & salt marshes	4
<i>Nabis ferus</i>	Hairy Grey Field Damselbug	T	L C/ C/L	L	L	Roughs	Dry, grassy habitats	5
<i>Nabis flavomarginatus</i>	Yellow-margined Damselbug	T	L C/ C/L	L	L	Roughs	Grassland, especially damper ones	5
<i>Nabis rugosus</i>	Common Damselbug	T	L	L	L	Roughs	Grassy habitats	3
<i>Nabis limbatus</i>	Marsh Damselbug (small-winged broad-edged)	W	C/ L	C/L	C	Wetland	Damp grassland/wet meadows	1 3
1 Stiltbug species:								
<i>Berytinus minor</i>	Pale-kneed Stiltbug	T	L	VL	VL	Flower meadows	Clover & Lesser Trefoil	8
34 Larger Leafhopper species:								
<i>Anoscopus (Aphrodes) albifrons</i>	Banded Leafhopper	T	N B	NC (<60) NC	VL	Wood edge	Dry grasslands, heaths, open woods	5
<i>Anoscopus (Aphrodes) flavostriatus</i>	Zebra Leafhopper	T	L	C/ (19 18)	NC	Wood edge	Damp grass, open woods, roughs	1
<i>Aphrodes bicincta</i>	Rounded-chisel-faced Leafhopper	T	L C/ C/L	NC	NC	Roughs	Dry habitats	1 2
<i>Aphrodes makarovi</i>	Pointed-chisel-faced Leafhopper	T	L C/ C/L	VL	L	Roughs	Nettles, Dandelions, Thistles	+ 1
<i>Arthaldeus pascuellus</i>	Barbed Leafhopper	T	L C/ C/L	VL	VL	Roughs	Grasses, esp drier places	7
<i>Balclutha punctata</i>	Dark-spotted Orange Leafhopper	T	L C/ C/L	VL	VL	Wood edge	Clearings in woods	7 2
<i>Cicadella viridis</i>	Large Green Leafhopper	W	C C/L	C	C	Wetland	Damp grasslands, marshes	7 4
<i>Cicadula persimilis</i>	Long-antennae 4-spot Leafhopper	T	L C/ C/L	VL	NC	Roughs	Dry grassland	+ 9
<i>Cicadula quadrinotata</i>	Long-antennae 4-spot Leafhopper	T	L C/ C/L	VL	L	Wetland	Damp grassland, rush, sedge	+
<i>Conosanus obsoletus</i>	Part-winged Buff Leafhopper	W	L C/ C/L	VL	VL	Wetland	Damp habitats with rushes	5
<i>Deltoccephalus pulicaris</i>	Bart Simpson Leafhopper	T	L C/ C/L	VL	VL	Roughs	Mostly short, dry grassland	5
<i>Elymana sulphurella</i>	Sulphur Leafhopper	T	L	VL	VL	Roughs	Moist to dry & tall grassland	2
<i>Erzaleus metrius (Mocuellus)</i>	Reed Canary-grass Leafhopper	W	L C/ C/L	NC	NC	Wetland	Reed Canary-grass wetlands	3
<i>Errastunus (Adarrus) ocellaris</i>	Crossed-plates Eyed Leafhopper	T	L C/ C/L	L	VL	Roughs	Dry/moist tall grassland, ruderals	8 2
<i>Euscelis incisus</i>	Mottled Stubby Leafhopper	T	L C/ C/L	L	VL	Roughs	Medium most grasslands	4
<i>Jassargus pseudocellaris</i>	Bordered-celled Leafhopper	T	L C/ C/L	VL	NC	Wood edge	Grassland in heath & light woods	1
<i>Limotettix striola</i>	Headband Leafhopper	W	L C/ C/L	NC	NC	Wetland	Sedges, spike-rush, marshes, inc saltmarsh	2
<i>Macrosteles laevis</i>	a 6-spot Smiling Ghost Leafhopper	T	L		NC	Roughs	Drier grasslands, disturbed areas	3
<i>Macrosteles ossianilssonii</i>	a 6-spot Smiling Ghost Leafhopper	W	L C/ C/L		NC	Wetland	Peaty grassland, Carex, Juncus	3
<i>Macrosteles sexnotatus</i>	a 6-spot Smiling Ghost Leafhopper	W	L C/ C/L	VL	VL	Roughs	Moist open habitats, Juncus, Carex, Clover	4 +

<i>Macrosteles viridigriseus</i>	a 6-spot Smiling Ghost Leafhopper	W	C/ L	VL	VL	Wetland	Marshes, pond margins	9
<i>Megophthalmus scanicus</i>	Smooth Cross-faced Leafhopper	T	C/ L	NC	NC	Flower meadows	Grasslands, Pea family.	+
<i>Mocydia crocea</i>	Orange & White-striped Leafhopper	T	L	VL	VL	Roughs	Tall grasses in woods & meadows	2
<i>Mocydiopsis parvicauda</i>	Orange & White-striped Leafhopper	T	L	NC	NC	Roughs	Grassy more acidic habitats	4
<i>Notus flavipennis</i>	Golden-winged Leafhopper	W	C/ L	VL	NC	Wetland	Marsh sedges esp. alkaline soil	1
<i>Oncopsis flavidicollis</i>	Dark-faced Birch Leafhopper	T	L	C/L	C/L	Wood edge	Birch	1
<i>Oncopsis subangulata</i>	Pale-faced Birch Leafhopper	T	L	NC	VL	Wood edge	Birch	1
<i>Paluda adumbrata</i> (<i>Rhopalopyx</i>)	Leopard Leafhopper	T	L	NC	NC	Roughs	Dry or calcareous hillside grasses	1
<i>Paluda flaveola</i>	Indented Yellow Leafhopper	W	V	VL	NC	Wetland	Moist shady site on tall wetland grasses	2
<i>Populicerus</i> (<i>Idiocerus</i>) <i>confusus</i>	Yellow Big-eyed Willow Leafhopper	W	C/ L	VL	VL	Wetland	Grey Willows	3
<i>Psammotettix confinis</i>	Red-eyed Goblet Leafhopper	T	C	VL	VL	Wood edge	Woodland glades	1
<i>Streptanus sordidus</i>	Broad Buff Leafhopper Spotted pronotum, brown abdomen	W	C/ + L	191 8)	NC(VL	Wetland	Damp, grassy places	1
<i>Tachycixius pilosus</i>	Spotted-wing-margin Leafhopper	T	C	C/L	VL	Wood edge	Trees, shrubs, grasses	2
10 Small Leafhopper species:								
<i>Edwardsiana ulmiphagus</i>	Elm Small Leafhopper	T	V L	NC	NC	Wood edge	Elm trees	2
<i>Empoasca vitis</i>	White-spotted Green clear-celled Small Leafhopper	T	L	VL	NC	Wood edge	Deciduous trees/ Evergreen trees	1
<i>Eupteryx aurata</i>	Yellow Arrow Small Leafhopper	T	C	C/L	L	Wood edge	Nettles, Brambles, low vegetation	4
<i>Eupteryx cyclops</i>	C-marked pale-legged 13 spot Small Leafhopper	W	L	NC	NC	Wetland	Nettles / wet areas	3
<i>Eupteryx filicum</i>	Yellow-grey Small Leafhopper	T	L	L	NC	Wood edge	Ferns	4
<i>Eupteryx urticae</i>	C-marked dark-legged 15 spot Small Leafhopper	T	C	C/L	L	Wood edge	Nettles & other low vegetation	1
<i>Notus flavipennis</i>	Yellow Arrow-head Small Leafhopper	W	V	VL	NC	Wetland	Sedges in marshes, usually alkaline	3
<i>Ribautiana debilis</i>	Grey-tipped Yellow Small Leafhopper	T	L	NC	NC	Wood edge	Bramble, Apple, Hazel, Willow, Alder	1
<i>Ribautiana tenerrima</i>	Yellow-striped Dark-tipped Small Leafhopper	T	C/ L	VL	VL	Wood edge	Bramble, Raspberry and sometimes trees	2
<i>Zyginiidia scutellaris</i>	3-spotted Yellow Small Leafhopper	T	L	VL	VL	Roughs	Rough grass	3
8 Planthopper species:								
<i>Conomelus anceps</i>	Marsh Short-winged Planthopper	W	C	VL	VL	Wetland	Damp areas/ Rushes	1
<i>Delphacodes venosus</i>	Pale Stumpy Planthopper	W	L	VL	VL	Wetland	Sphagnum, Sedge, Rush, Festuca, Mollinea	7
<i>Ditropis pteridis?</i>	Bracken Planthopper	T	L	VL	L	Wood edge	Often on Bracken in woods	3
<i>Florodelphax leptosoma</i>	Pale-edged Short-winged Planthopper	W	L	NC	NC	Wetland	Range of wetlands	1
<i>Javesella dubia</i>	Stripe-faced Long-winged Planthopper	T	L	L	L	Wood edge	Grassy woodlands	+
<i>Javesella pellucida</i>	Stripe-faced Long-winged Planthopper	T	L	VL	VL	Roughs	Enriched grasslands	3
<i>Muellerianella fairmairei</i>	3-Banded Planthopper	W	C/ L	<60)	NC	Wetland	Damp areas. <i>Deschampsia cespitosa</i>	+
<i>Stenocranus minutus</i>	Long-winged Long-nosed Planthopper	T	L	VL	VL	Roughs	Diverse grassy habitats	1
4 Froghopper species:								
<i>Aphrophora alni</i>	Large White-patched Frog hopper	T	C	C	C	Wetland	Wide range of trees /bushes	1

<i>Aphrophora major</i> <i>(alpina)</i>	Largest Fen Froghopper	W	N	NC	L	Wetland	Nice marshes with willow	3
<i>Neophilaenus lineatus</i>	Pale-edged rear-spotted Froghopper	T	C	C	C	Roughs	Grassland	2
<i>Philaenus spumarius</i>	Cuckoo spit Froghopper	T	C	C	C	Roughs	Wide range of plants inc gardens	1
4 Jumping Plant Louse species:								
<i>Cacopsylla sp</i>	Orange Birch Jumping Plant Louse	T	C/	VL	NC	Wood edge	Birch	1
<i>Livia juncorum (junci)</i>	Horned Rush Jumping Plant Louse	W	C/	VL	VL	Wetland	Marshes and wet meadows on Juncus	1
<i>Psyllopsis fraxinicola</i>	Yellow Ash Plant Louse	T	C/	NC	NC	Wood edge	Ash trees	6
<i>Trioza urticae</i>	Nettle Jumping Plant Louse	T	C	NC	VL	Wood edge	Nettles etc	6

13 Greenfly taxa:

<i>Aphis fabae?</i>	Black Bean Blackfly Aphid	T	C			Wood edge	Spindle, Beans, other pants	3
<i>Aphis ulicis</i>	Gorse Aphid	T	C			Wood edge	Gorse	1
<i>Atheroides serrulatus</i>	Orange Grass Aphid	T		NC	NC	Roughs	Grasses and sedges	4
<i>Hyalopterus pruni</i> <i>Macrosiphoniella</i> <i>tanacetaria</i>	Mealy Plum Aphid	W	C			Wetland Flower	Prunus & Phragmites	3
<i>Megoura viciae</i> <i>Microlophium</i> <i>carnosum</i>	Tansy Aphid	T	?	NC		meadows Flower	Tansy	1
<i>Myzus cymbalariae</i>	Vetch Aphid	T	C?		C?	meadows	Trefoils and Vetches	3
<i>Myzus persicae</i>	Large Nettle Aphid	T	C	C	C	Wood edge Flower	Nettles	1
<i>Aphid</i>	Aphid	T	C			meadows	Wide range of plants	3
<i>Trama troglodytes</i>	Green Peach-Potato							
<i>Other greenfly</i> <i>including</i>	Aphid.dark feet, dark tip to long siphons	T	C		C?	Flower meadows	Wide range of plants	6
<i>Aphid spp</i>	Artichoke Tuber Aphid	|T				Flower		1
<i>Graphosocus cruciatus</i>	Dark-siphoned Greenfly	T		NC	NC	meadows	On roots of Thistles, Yarrow etc	1
								4
								2
								9

PSCOCOPTERA:

	BARKFLIES: 6 species:							
<i>Ectopsocus briggsi</i>	Less-spotted Barklouse	T	C	C	L	Wood edge	Shrub or tree dead foliage	1
<i>Graphosocus cruciatus</i>	Spotted Barkfly	T	C/	VL	VL	Wood edge	Wide range of trees /bushes, herbs	0
		T	L	VL	VL	Wood edge		1
<i>Loensia variegata/</i> <i>pearmani</i>	Fully-mottled Barkfly (damaged)	T	c/	VL/	VL/		Broad-leaved + conifers	1
<i>Stenopscus stigmaticus</i>	Dark-line-winged Barkfly	T	R	NC	NC	Wood edge		1
		T	Un	NC	NC	Wood edge	Hawthorn, Broadleaved + conifers	1
<i>Valenzuela atricornis</i>	Brown-faced Valenzuela Barklouse	T	c	NC	VL	Wood edge	Dry grassland, Reeds, Willows,	2
<i>Valenzuela flavidus</i>	Yellow Valenzuela Barklouse	W	N	NC	NC	Wetland	Hawthorn	2

LEPIDOPTERA:

BUTTERFLIES & MOTHS:

23 Butterfly species:

<i>Agelais io</i>	Peacock Butterfly	T	C	C	C	Wood edge	Eggs Nettles. Adults:open woods, rides, edges	1
<i>Agolis urticae</i>	Small Tortoiseshell Butterfly	T	C	C	C	Wood edge	Eggs laid on Nettles. Many habitats including gardens	1
<i>Anthocharis cardamines</i>	Orange Tip Butterfly	T	C	C	C	Wetland	6	
<i>Aphantopus hyperantus</i>	Ringlet Butterfly	T	C	C/L	C	Wood edge	Eggs on Allaria & Cuckooflower; Eggs on grasses. Damp, shady habitats preferred	2
<i>Celastrina argiolus</i>	Holly Blue Butterfly	T	C	C	C	Wood edge	Holly, Ivy, Bramble, Gorse	4
		T	C	C	C	Wood edge		5
<i>Coenonympha pamphilus</i>	Small Heath	TS	41	C/L	C/L	Flower meadows	Larvae on fine grasses. Buttercups &c	1

<i>Favonius quercus</i>	Purple Hairstreak	T	C/ L C/ N TS	L L L L	C/L	Wood edge	Oak trees Larvae: Rhamnus & Frangula. Scrub/woods	1
<i>Gonepteryx rhamni</i>	Brimstone	T	L L N	L L	L	Wetland		2
<i>Lasiommata megera</i>	Wall Brown	T	41	L L	L	Flower meadows	Short stony/broken turf, Hollan, Desfle, Dacglo	1
<i>Lycaena phlaeas</i>	Small Copper	T	C	C	C	Flower meadows	Eggs on Sorrel & Dock. Flowers	4
<i>Maniola jurtina</i>	Butterfly Meadow Brown	T	C	C	C	Roughs	Eggs on grasses. Meadows, hedges, open woods.	2
<i>Ochlodes sylvanus</i>	Large Skipper Speckled Wood	T	C	C	C	Roughs	Eggs on grasses. Meadows, hedges, open woods.	3
<i>Pararge aegeria</i>	Butterfly	T	C	C	C	Wood edge	Aphid honeydew; lays on tough grasses	6
<i>Pieris brassicae</i>	Large White Butterfly	T	C	C	C	Flower meadows	Eggs on Brassicas; Adult visits flowers	1
<i>Pieris napi</i>	Green Veined-white						Eggs on crucifers. Adult: damp grass/marshes	4
<i>Pieris rapae</i>	Butterfly	W	C	C	C	Wetland Flower meadows	Eggs on Brassicas; Adult visits flowers	9
	Small White Butterfly	T	C	C	C	Wetland Flower meadows	Eggs laid on Nettles, Willows. Adults favour open woods, rides & edges	8
<i>Polygonia c-album</i>	Comma	T	C	C	C	Wood edge	Eggs laid on Bird's-foot Trefoils, Clovers etc. Uses meadows and wood clearings etc.	6
<i>Polyommatus icarus</i>	Common Blue	T	C	C/L	C	Flower meadows	Eggs on grasses; Bramble, Co	5
<i>Pyronia tithonus</i>	Butterfly	T	C C/	C	C	Flower meadows	Fleabane, Ragworts etc	1
<i>Thymelicus lineola</i>	Essex Skipper	T	L	VL	C	Roughs	Verges, banks, roughs	1
<i>Thymelicus sylvestris</i>	Small Skipper	T	C	C	C	Roughs	Eggs on Yorkshire Fog. Tall grasses + herbage.	6
<i>Vanessa atalanta</i>	Butterfly	T	C	C	C	Wood edge	Nectar feeder. Lays on Nettles	1
<i>Vanessa cardui</i>	Red Admiral Butterfly	T	C	C	C	Roughs	Thistle, Mallow, Nettle etc	1
42 Moth species:								
<i>Autographa gamma</i>	Silver Y Moth	T	C C/	C	C	Roughs	Range of low plants inc Nettles Willow + Poplar, carr, scrub, wood	2
<i>Catocala nupta</i>	Red Underwing	T	L	C	C	Wood edge	Coarse grasses, Dacglo, Fesaru, Desces	2
<i>Mesapamea secalis</i> agg	a Common Rustic	T	C	C	C	Roughs		2
<i>Mythimna ferrago</i>	Clay	T	C	C	C	Roughs	On grasses	1
<i>Noctua pronuba</i>	Large Yellow Underwing	T	C	C	C	Wood edge	Range of habitats: Dock, Nettle, Foxglove	3
<i>Abraxas grossulariata</i>	Maggie Moth	T	C C/	C	C	Wood edge	Blackthorn, Hawthorn, Currant, Bramble	1
<i>Adela reaumurella</i>	Green Long-horn	T	L	C/L	C	Wood edge	Caterpillars eat Oak and Birch leaves	1
<i>Anthophila fabriciana</i>	Fairy Moth							
<i>Cabera pusaria</i>	Common Nettle Tap	T	C	C	C	Wood edge	Lays on Nettles	1
<i>Campylogramma</i> <i>bilineata</i>	Common White Wave	T	C	C	C	Wood edge	Trees/shrubs esp Birch	1
<i>Cataclysta lemnata</i>	Moth	T	C A	C/L	C	Flower Meadows	Caterpillars on esp Sorrel & Chickweed	1
<i>Chiasmia clathrata</i>	Duckweed Moth	+ A	C C/	L	L	Wetland Flower Meadows	Larvae feed on and live in Duckweed	2
<i>Elophila nymphaeaata</i>	Latticed Heath Moth	T	L A	C	C	Meadows	Larvae on Clover	1
<i>Emmelina monodactyla</i>	Brown China Mark	+ A	C	L	L	Wetland	Larvae on Pondweeds, Lilies, Alisma, Sparganium	1
<i>Coleophora sp</i>	Common Plume cased micromoth	T	C	(L)	(L)	Roughs	Bindweeds	1
<i>Deilephila elpenor</i>	caterpillar	T	C	C	C	Roughs	Tube-case-bearing larvae in tall vegetation	2
<i>Eupithecia subfuscata</i>	Elephant Hawk Moth	T	C C/	C	C	Roughs	Rosebay Willowherb	1
<i>Euthrix potatoria</i>	Grey Pug	T	C	C	C	Roughs	Range of herbs, flowers, leaves	2
<i>Stenoptilia pterodactyla</i>	Drinker Moth	W	L C/	C/L	C/L	Wetland	Mashes and damp grassland	4
	Caterpillar	T	L	VL	L	Wood edge	Germaner Speedwell. Wood edge, hedges, verges	1
	Brown Plume Moth							

<i>Geometridae</i>	Looper moth caterpillar	T/ W		Rough/Wetland		1 1
<i>Glyptipterix sp</i>	a Sedge Moth				Grass/Sedge/Woodrush/Rush	1
<i>Grapholita lunulana</i>	Northern Crescent Piercer Moth	T C/ C/	Nb L C	L C	Roughs	Hedges, roughs, hillsides
<i>Hedya nubiferana</i>	Marbled Orchard Tortrix	T C/ C/	L	C	Wood edge	Hedges, gardens, orchards
<i>Mormo maura</i>	Old Lady Moth	W	L	C	C/L	Variety of habitats near water, Blackthorn
<i>Mythimna impura</i>	Smoky Wainscot Dark Fruit-tree Tortrix	T	C	C	C	Wetland
<i>Pandemic heparana</i>	Moth	T	C	C	C	Downs, dunes, roughs
<i>Phalera bucephala</i>	Buff-tip	T	C	C	C	Deciduous trees, shrubs, plants
<i>Phlogophora meticulosa</i>	Angle Shades an Oak Leaf-miner	T	C	C	C	Deciduous trees. Here on Oak. Nettle, Dock, Bramble, Hazel, Birch, Oak
<i>Phyllonorycter sp</i>	Pigmy Moth	T C/ C/	(C/ L)	(C/ L)	Wood edge	Caterpillar lives in Oak leaves
<i>Patania ruralis</i> (<i>Pleuroptya</i>)	Mother of Pearl Moth	T	L	C/L	C	Nettles
<i>Pterophorus pentadactyla</i>	White Plume Moth	T	C	C	C	Bindweeds
<i>Rivula sericealis</i>	Straw Dot Moth	T	C	C	C	Roughs
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar Moth	T S4	C	C	C	Damp meadows and woodland
						Grassland, verges, rides, heath, gardens
<i>Spilosoma lubricipeda</i>	White Ermine Moth	T S4	1	C/L	C	Nettle, Dock etc
<i>Spilosoma lutea</i>	Buff Ermine Moth	T	1	C	C	Nettle, Honeysuckle, Plum, Birch
<i>Tyria jacobaeae</i>	Yellow & Black Cinnabar Moth caterpillar	T S4	1 C/	C	C	Caterpillars on Ragwort
<i>Udea lutealis</i>	Pale Straw Pearl Moth	T	L	C/L	L	Gardens, wood edges, wastes
<i>Xanthorhoe montanata</i>	Silver Ground Carpet	T	C	C	C	Woodland clearings, bedstraw
<i>Xanthorhoe spadicaria</i>	Red Twin-spot Carpet Moth	T C/ C/	L	C	Wood edge	Gardens, woods, hedges, downs, fens, moors
<i>Zelotherses (Aphelia) paleana</i>	Timothy Tortrix	T	L	C/L	C	Grasses, Filum, Plantain, Centnig
<i>Zygaena filipendulae</i>	Six-spot Burnet Moth	T	C	C	C	Flower
<i>Zygaena lonicerae</i>	Narrow-bordered 5-spot Burnet Moth	T	C	C	C	meadows
COLEOPTERA:	BEETLES:					

59 Water Beetle species:

<i>Halipus lineatocollis</i>	Grooved Halipus Beetle	A	C	C	C	Wetland	Still and running water	1
<i>Halipus ruficollis</i>	Common Halipus Beetle	A	C	C	C	Wetland	Permanent ponds	7
<i>Gyrinus substriatus</i>	Common Pond Whirligig Beetle	A	C	C	C	Wetland	Permanent ponds	+
<i>Hygrobia hermanni</i>	Squeak Beetle	A	C	L	C	Wetland	Permanent ponds	4
<i>Dytiscus circumcinctus</i>	Sharp-spurred Great Diving Beetle	A	N	S	L	Wetland	Permanent ponds	8
<i>Dytiscus marginalis</i>	Common Great Diving Beetle	A	C	C	C	Wetland	Permanent larger ponds	3
<i>Acilius sulcatus</i>	Grooved Diving Beetle	A	C	C	C	Wetland	Permanent ponds	7
<i>Colymbetes fuscus</i>	Larger Diving Beetle	A	C	C	C	Wetland	Shaded ponds, ponds, fish-free esp.	2
<i>Agabus affinis</i>	Kilij-ended Diving Beetle	A	C	C	C	Wetland	Permanent ponds	7
<i>Agabus bipustulatus</i>	Common Black Diving Beetle	A	L	L	L	Wetland	Marshy/Mossy/Floating raft ponds	2
<i>Agabus nebulosus</i>	Mottled Diving Beetle	A	C	C	C	Wetland	Permanent ponds	2
<i>Agabus paludosus</i>	Brown Stream Diving Beetle	A	C	C	C	Wetland	New or rain flushed ponds	3
<i>Agabus sturmii</i>	Common Brown Pond Diving Beetle	A	C	C/L	C/L	Wetland	Slow running water, often watercress, fens	1
<i>Agabus unguicularis</i>	Narrow-clawed Black Diving Beetle	A	C	C	C	Wetland	Permanent ponds	2

<i>Ilybius ater</i>	Larger Black Diving Beetle	A	C	C	C	Wetland	Permanent ponds	7
<i>Ilybius fuliginosus</i>	Side-banded Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	1
<i>Ilybius guttiger</i>	Black Fen Diving Beetle	A	C/ N	C/L	C/L	Wetland	Fens, floating mats, marshy ponds	1
<i>Ilybius subaeneus</i>	Red-bellied Black Diving Beetle	A	S C/	L	L	Wetland	Permanent Ponds	6
<i>Ilybius quadriguttatus</i>	4-gold-spot Black Diving Beetle	A	L C/	C	L	Wetland	Permanent Ponds	6
<i>Liopterus haemorrhoidalis</i>	Ruddy Diving Beetle	A	L C/	L	L	Wetland	Permanent Ponds	2
<i>Rhantus exoletus</i>	Pale Gold-speckled Diving Beetle	A	L C/	C	C/L	Wetland	Permanent Ponds	9
<i>Rhantus suturalis</i>	3-spot Gold-speckled Diving Beetle	A	L C/	L	L	Wetland	Wide variety of ponds	1
<i>Noterus clavicornis</i>	Boat-shaped Small Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	0
<i>Hydroporus angustatus</i>	Ruddy Small Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	1
<i>Hydroporus erythrocephalus</i>	Dotted-nosed Small Diving Beetle	A	C	C	C	Wetland	Ponds, often poorly vegetated.	7
<i>Hydroporus memnonius</i>	Broad-flat Small Diving beetle	A	C	C	C	Wetland	Marshy edges, woodland pools	1
<i>Hydroporus palustris</i>	Black & Gold Small Diving Beetle	A	C	C	C	Wetland	Ponds	3
<i>Hydroporus planus</i>	Common Small Brown Diving Beetle	A	C	C	C	Wetland	Ponds and marshy pools	5
<i>Hygrotus inaequalis</i>	Striped Oval Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	4
<i>Hygrotus impressopunctatus</i>	Gold-striped Brown Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	2
<i>Hyphydrus ovatus</i>	Orange Egg-shaped Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	9
<i>Laccophilus minutus</i>	Quiet Khaki Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	6
<i>Stictotarsus 12-pustulatus</i>	12-Spotted Diving Beetle	A	C	L	L	Wetland	Mostly bare rivers, canals, lakes	1
<i>Anacaena globulus</i>	Brown Domed Scavenger Beetle	W	C	C	C	Wetland	Pond & stream edges, woodland pools	1
<i>Anacaena limbata</i>	Brown Domed Scavenger Beetle	W	C	C	C	Wetland	Well-vegetated marshes / pond edges	7
<i>Coelostoma orbiculare</i>	Black Domed Scavenger Beetle	W	C	C/L	C/L	Wetland	Marshes / pond edges	9
<i>Cymbiodyta marginella</i>	Brown-edged Black Scavenger Beetle	A	L	L	C	Wetland	Lowland fens	4
<i>Enochrus coarctatus</i>	Centrally-striped Scavenger Beetle	W	C	C	C	Wetland	Fen marshes / pond & ditch edges	1
<i>Enochrus testaceus</i>	Dark-tipped Scavenger Beetle	W	L C/	C	C	Wetland	Fen veg in ponds, lakes, ditches	1
<i>Helochares lividus</i>	Shiny Pale Helochares Beetle	W	L C/	VL	C	Wetland	Weedy lowland waters, inc brackish	2
<i>Helochares punctatus</i>	Dark Bog Helochares Beetle	W	S	L	L	Wetland	Mainly wet heath, bog, acid pools	1
<i>Helophorus aequalis</i>	Small-toothed Greater Scavenger Beetle	W	C	L	C	Wetland	Marshes / pond edges	1
<i>Helophorus brevipalpis</i>	Golden Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	3
<i>Helophorus flavipes</i>	Yellow-footed Scavenger Beetle	W	L C/	L	L	Wetland	Marshes / pond edges	1
<i>Helophorus grandis</i>	Large-toothed Greater Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	8
<i>Helophorus minutus</i>	Common Golden Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	2
<i>Helophorus obscurus</i>	Pale Brown Scavenger Beetle	W	C	C/L	C/L	Wetland	Muddy habitats pH 7 and above	9
<i>Hydrobius fuscipes</i> agg	Common Black-domed Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	6
<i>Laccobius bipunctatus</i>	Common Grey-domed Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	8
<i>Megasternum concinnum</i>	Notch-legged Red Scavenger Beetle	W	+ C	L	C	Wetland	Rotting veg in tussocks, hay, marshes	9
<i>Limnebius truncatellus</i>	Short-ended Moss Beetle	W	C	L	L	Wetland	All types of marsh/marshy streams	9

<i>Elmis aenea</i>	Common River Beetle	W	C C/ C/	VL	L	Streams	Rivers, streams, esp headwaters, mossy riffles	2
<i>Cyphon hilaris</i>	Mid-streaked Marsh Beetle	W	L C/ C/	L	C	Wetland	Sphagnum/ Marshes / pond edges	1
<i>Cyphon ochraceus</i>	Orange Marsh Beetle	W	L	VL	L	Wetland	Sphagnum/ Marshes / pond edges	2
<i>Cyphon padi</i>	Least Dark-headed Marsh Beetle	W	C C/ C/	VL	C/L	Wetland	Marshes / pond edges	4
<i>Cyphon variabilis</i>	Large Yellow Marsh Beetle	W	L N S/	L	C	Wetland	Marshes / pond edges	6
<i>Elodes sp (1 of 4 spp)</i>	Long-legged Marsh Beetles	W	Vu I	NC/ VL	L	Wetland	Wetland and foliage above	1
<i>Scirtes hemisphaericus</i>	Oval Jumping Black Marsh Beetle	W	L C/ C/	L	C/L	Wetland	Marshes / pond edges	4
<i>Dryops ernesti</i>	Hairy Dryops Beetle	W	L	VL	L	Wetland	Marshes / pond edges	1
33 Leaf & Flea Beetle species:								
<i>Agelastica alni</i>	Alder Leaf Beetle	W	N R	C	C	Wetland	English Alder & Grey Alder	4
<i>Altica lythri</i>	Blue Willowherb Flea Beetle	W T	C C/	C	C	Wetland	Willowherbs, wetlands, damp soils	5
<i>Aphthona nonstriata</i>	Iris Flea Beetle	W	L	L	L	Wetland Flower meadows	Iris: Ponds, marshes, ditches	1
<i>Bruchus rufimanus</i>	Bean Seed Beetle	T	A	VL	NC		Legumes. Attacks bean crops	2
<i>Cassida rubiginosa</i>	Green Thistle Tortoise Beetle	T	C	C/L	C	Roughs	Roughs and tall herb, Creeping Thistle	9
<i>Chaetocnema hortensis</i>	Greenish Yellow-antennae Erratic Flea Beetle	T	C/ L	VL	C/L	Roughs	Grasses, wild & cultivated	6
<i>Chaetocnema picipes</i>	Greenish black keeled Flea Beetle (ant dark above)	T	L C/	VL	VL	Roughs	Docks, Oraches, Atriplex spp	1
<i>Crepidodera aurata</i>	Red & Gold Willow Flea Beetle	W	L C/	L	C	Wetland	Willows	3
<i>Donacia versicolorea</i>	Pondweed Donacia Beetle	W	L C/	VL	L	Wetland	Ponds with Broad-leaved Pondweed	3
<i>Donacia vulgaris</i>	Banded Donacia Beetle	W W	L C/	L	L	Wetland	Typha, Sparganium, Glyceria, Carex	1
<i>Galerucella lineola</i>	Brown Willow Beetle	+	L	L	C	Wetland	Alder, Hazel, Willows	1
<i>Gastrophysa viridula</i>	Green Dock Beetle	T	C	C	C	Roughs	Docks	9
<i>Hydrothassa marginella</i>	Yellow-edged Buttercup Beetle	T	L C/	L	C	Wetland	On Buttercups	3
<i>Hippuriphila modeeri</i>	Brassy Pale-tipped Flea Beetle	W	L C/	L	L	Wetland Flower meadows	Horsetail	1
<i>Longitarsus gracilis</i>	Pale Lomgitarsus Flea Beetle	T	L	NC			Asteracea esp Ragwort	1
<i>Longitarsus gracilis & v poweri</i>	Med pale-headed dark-sutured	T	L	NC	NC	Flower meadows	Asteracea esp Ragwort	1
<i>Longitarsus atricillus</i>	Longitarsus Large dark-headed-dark-sutured	T	L	191	VL	Flower meadows		1
<i>Longitarsus flav/jac (females only)</i>	Large Pale	T	L C/	8)	NC	Flower meadows	esp Pea family	0
<i>Longitarsus luridus</i>	Common Dark Flea Beetle	T	C	VL	/VL	Flower meadows	Both on Ragwort	3
<i>Longitarsus melanocephalus</i>	Narrowly-dark-sutured pale	T	C/ L	VL	L	Flower meadows	Many plants, leaves, roots. Grass tussocks	3
<i>Longitarsus pratensis</i>	Small dark headed pale-elytrad	T	C/ L	NC	NC	Flower meadows	Plantain	2
<i>Neocrepidodera ferruginea</i>	Small Orange Wheat Flea Beetle	T	L C/	VL	C/L	Flower meadows	Plantain	8
<i>Neocrepidodera transversa</i>	Large Orange Wheat Flea Beetle	T	C	L	C/L	Roughs	Wild & cultivated grasses	6
<i>Oulema obscura</i>	Common Blue Grain Leaf Beetle	T	C C/	C/L	VL	Roughs	Various plants in many habitats	8
<i>Phaedon armoraciae</i>	Brooklime Blue Leaf Beetle	W	L	C/L	C	Wetland	Grasses, cereals. Tussocks	1
							Water plants	3

<i>Phaeton cochleariae</i>	Watercress Blue Leaf Beetle	W +	C/ L	VL	L	Wetland	Watercress, Brassicas + Gorse	1
<i>Phaeton tumidulus</i>	Celery Smooth Blue Leaf Beetle	W	C	L	C/L	Wetland	On umbellifers	2
<i>Phyllobrotica quadrivittata</i>	Spotted Yellow Skullcap Leaf Beetle	+ W	C/ C	L	VL	Wetland	In damp open habitats on Skullcap	1
<i>Prasocuris phellandrii</i>	Yellow-striped Blue Leaf Beetle	W	C/ C	L	C	Wetland	Range of wetland plants	1
<i>Psylliodes chrysocephala</i>	Cabbage-stem Flea Beetle	T	C/ C	VL	L	Flower meadows	Brassicaceae	5
<i>Psylliodes napi</i>	Blue Brassica Flea Beetle	T W	C/ C	VL	L	Flower meadows	Brassicaceae. Moss & tussocks	4
<i>Psylliodes picina</i>	Smooth-headed Flea Beetle	+ W	L	NC	VL:	Wetland	Phragmites, Phalaris, Salix, Birch, Oak, Hazel	2
<i>Sphaeroderma testaceum</i>	Artichoke Beetle	T	C/ L	VL	L	Roughs	Thistles and Knapweed. Roughs	1
15 Ladybird species:								
<i>Adalia 10-punctata</i>	10 Spot Red Ladybird	T	C	C	C	Wood edge	Woodland, gardens with trees	3
<i>Adalia 2-punctata</i>	2 Spot Red Ladybird	T	C	C	C	Any	Any habitat with aphids	2
<i>Anisosticta 19-punctata</i>	Water Ladybird	W C/	L	C	C	Wetland	Eats wetland aphids; overwinters tall veg	1 0
<i>Chilocorus renipustulatus</i>	Kidney-spot Ladybird	T	C	C/L	C	Wood edge	Deciduous woods, trees, thistles, nettles.	1 1
<i>Coccidula rufa</i>	Red Marsh Ladybird	W	C	C	C	Wetland	Aphids, tall wetland grasses/reeds	9
<i>Coccinella 11-punctata</i>	11 Spot Red Ladybird	T	C	C/L	C	Roughs	Variety of habitats esp coastal	1
<i>Coccinella 7-punctata</i>	Common 7 Spot Red Ladybird	T	C	C	C	Any	Anywhere with Aphids. Low herbage.	2 7
<i>Harmonia axyridis</i>	Harlequin Ladybird (red or black)	T	A N	C	C	Any	Aphids. Trees, scrub, grass, marsh.	7
<i>Hippodamia variegata</i>	Adonis Ladybird	T	B	L	C/L	Roughs	Dry & bare ground with tall herbs	1
<i>Nephus redtenbacheri</i>	Red-blotched Nephus	T	C	VL	L	Roughs	Moss. Grassland.	3 1
<i>Propylea 14-punctata</i>	14 Spot Yellow Ladybird	T	C	C	C	Wood edge	Tall vegetation,trees, overwinters	3
<i>Psyllobora 22-punctata</i>	22 Spot Yellow Ladybird	T W C/	C	C	C	Roughs	Low vegetation: mildew feeder	6 2
<i>Rhyzobius litura</i>	U-marked Ladybird	+ L	L	L	C	Wetland	Grasses, thistle, nettle, rush, reed	7
<i>Rhyzobius lophantheae</i>	Australian Yellow Ladybird	T	A	NC	NC	Wood edge	On cypress and other trees	1
<i>Tytthaspis 16-punctata</i>	16 Spot Beige Ladybird	T	C/ L	L	L	Roughs	Grassland: pollen, fungi, nectar	1
9 Soldier Beetle species:								
<i>Cantharis cryptica</i>	Various-haired Red Soldier Beetle	T	C	C/L	C	Wood edge	Long grass, umbellifers, bushes, trees	2
<i>Cantharis decipiens</i>	Butternut-squash-marked Yellow SB	T	C	C/L	C	Wood edge	Trees, shrubs, Hawthorn blossom	2
<i>Cantharis flavilabris (nigra)</i>	Black & Red Soldier Beetle with black scutellum	T	C	C/L	C/L	Flower meadows	Hedges, flower meadows, umbellifers	1
<i>Cantharis nigricans</i>	Felted Dusky Soldier Beetle	T	C	C	C	Flower meadows	Hedges, flower meadows, umbellifers	5
<i>Cantharis rufa</i>	Red Soldier Beetle (all ref form)	T	C	C/L	C/L	Flower meadows	Flower meadows/tall herbs. Predatory	1
<i>Malthodes marginatus</i>	Keel-edged Small Soldier Beetle	T N	C	VL	L	Wood edge	On vegetation in woods	1
<i>Malthodes pumilus</i>	Dwarf Soldier Beetle	T	S	NC	NC	Wood edge	On vegetation in woods/grassland	1
<i>Rhagonycha fulva</i>	Black-tipped Red Soldier Beetle	T	C	C	C	Roughs	Umbellifers. Pollen + predatory	1
<i>Rhagonycha limbata = nigritarsis</i>	Diamond-marked Black & Yellow SB	T	C	C/L	C	Flower meadows	Open grasslands on dry soil	3
4 Click Beetle species:								
<i>Agriotes obscurus</i>	Wireworm Click Beetle	T	C/ L	L	C/L	Flower meadows	Meadows & grassy places	3
<i>Agriotes pallidulus</i>	Dark-sutured Small Click Beetle	T W	C/ C	VL	C/L	Wood edge	Grassland with trees and bushes.	4
<i>Aplotarsus incanus</i>	Slim Black Click Beetle	+ L	L	VL	L	Wetland	Damp grass, marsh, pond edge	5

<i>Athous haemorrhoidalis</i>	Black and Red Click Beetle	T	C	C/L	C	Flower meadows	Hedges, tall herb, meadows	8
27 Ground Beetle species:								
<i>Acupalpus dubius</i>	Red-brown Ground Beetle	W	C/ L	VL	C/L	Wetland	Litter, moss, tussocks near water	2
<i>Acupalpus parvulus</i>	Dark-blotched Ground Beetle	W	L C/	L	L	Wetland	Damp habitats near vegetation	2
<i>Agonum thoreyi</i>	Furrowed-tarsi Marsh Ground Beetle	W	C	L	L	Wetland	Marshes, fens, reedbeds	4
<i>Amara communis</i>	Part-punctured Sunshiner GB	T	C	L	C/L	Wood edge	Moss & leaf litter	2
<i>Amara lunicollis</i>	Mesophile Sunshiner GB	T	C	L	VL	Roughs	Open/semi-open habitats. Matted grassland.	1
<i>Amara plebeja</i>	Copper-green Sunshiner GB	W	+ C	C	C	Wetland	Damp grassland, heavy soils, inc arable	1
<i>Anchomenus dorsalis</i>	Green-fronted Ground Beetle	T	C	C/L	C/L	Roughs	Dry soils on arable, gardens, wastes	3
<i>Anisodactylus binotatus</i>	Common Short-spur GB	W	L C/	L	L	Wetland	Damp meadows, arable & marsh	2
<i>Badister bullatus</i>	Black & Gold Ground Beetle	T	L C/	L	C/L	Roughs	Moss or litter is var habitats	1
<i>Bembidion aeneum</i>	Dark-legged Bembidion	W	L C/	L	C/L	Wetland	Damp spoil, estuaries, saltmarsh	1
<i>Bembidion guttula</i>	2-spotted Ground Beetle	W	C	C/L	C	Wetland	Almost all habitats, esp near water	2
<i>Bembidion lampros</i>	12-rowed Ground Beetle	T	C	C	C	Roughs	Dry sunny habitats, esp gardens, agriculture	3
<i>Bembidion lunulatum</i>	Brown Ground Beetle	W	C C/	L	C	Wetland	Damp, bare ground near water.	2
<i>Bembidion properans</i>	14-rowed Ground Beetle	T	L	VL	L	Roughs	Dry, open, clay soils	2
<i>Calathus melanocephalus</i>	Red-pronotumed Ground Beetle	T	C	VL	C/L	Roughs	Grass, heath, gardens, arable	2
<i>Carabus violaceus</i>	The Violet Ground Beetle	T	C	C	C	Wood edge	Woods, gardens, moors, undisturbed sites	5
<i>Harpalus rufipes</i>	Green Strawberry Seed GB	T	C	C	C/L	Roughs	Open, dry habitats inc arable	2
<i>Leistus fulvibarbis</i>	Bluish Plate-jaw GB	W	C	C/L	C/L	Wetland	Woods with damp litter	1
<i>Nebria brevicollis</i>	Common Heart-shield GB	T	C	C	C	Any	Woods, gardens, farm fields	8
<i>Paradromius linearis</i>	Common Bladerunner GB	T	C	L	C	Roughs	Grass tussocks, also reeds	7
<i>Pterostichus diligens</i>	Smooth-chested Blackclock GB	W	C	C	C	Wetland	Wetlands, damp grass, moor, marsh	4
<i>Pterostichus madidus</i>	Common Blackclock GB	T	C	C	C	Wood edge	Woods, gardens, dry grassland	1
<i>Pterostichus melanarius</i>	Rain-beetle GB	T W	C	C	C	Roughs	Gardens, grassland, arable	1
<i>Pterostichus niger</i>	Great Blackclock GB	+	C	C	C	Wetland	Woods, damp grass, moors	8
<i>Pterostichus nigrita</i>	Mitten Blackclock GB	W	C	C	C	Wetland	Damp lowlands, near water	5
<i>Pterostichus strenuus</i>	Rough-chested Blackclock GB	T	C	C	C	Roughs	Most habitats esp grassland	2
<i>Pterostichus vernalis</i>	Blackclock GB	T	C	L	L	Roughs	Damp or shaded lowlands, esp grassland	3
54 Rove Beetle species:								
<i>Stenus aceris</i>	Camphor Beetle	T	L C/	VL	VL	Roughs	Lowland grass tussocks/moss in grass/wood	2
<i>Stenus bificeolatus</i>	Camphor Beetle	W	L C/	VL	C	Wetland	Range of wetlands, low & tall veg	4
<i>Stenus bimaculatus</i>	Spotted Camphor Beetle	W	L C/	L	L	Wetland	Wetlands esp floodplains with trees	2
<i>Stenus brunneipennis</i>	Brown Camphor Beetle	T	L C/	L	C/L	Roughs	Grassland, dunes, heaths, dry peat	2
<i>Stenus cicindeloides</i>	Shining Camphor Beetle	W	C	L	C	Wetland	Wet grassland esp Juncus and others	9
<i>Stenus clavicornis</i>	Toadspawn Camphor Beetle	T C/	C	L	C	Roughs	Farmland/dry/damp	5
<i>Stenus fulvicornis</i>	Camphor Beetle	W	L C/	L	L	Wetland	Rush pasture etc	9
<i>Stenus impressus</i>	Spurred Camphor Beetle	W	C	L	L	Wetland	Woods, dunes, marshes, mountains	4
<i>Stenus juno</i>	Hairy-chested Black Camphor Beetle	W	C	L	C/L	Wetland	Wetlands of many kinds	8

			C/					
<i>Stenus latifrons</i>	Camphor Beetle	W	L	VL	VL	Wetland	Lake margins, fens, swamps	3
		W	C/				Hay, arable margins, wet grass,	
<i>Stenus nanus</i>	Camphor Beetle	+	L	VL	L	Roughs	sandy shores	1
	Uneven-elytral		C/				Moss, peat, Iris, Juncus, wet	
<i>Stenus nitidiusculus</i>	Camphor Beetle	W	L	L	L	Wetland	pasture	4
			C/				Tussocks in marshes, dryish	
<i>Stenus ossium</i>	Camphor Beetle	W	L	VL	L	Wetland	grassland, dunes	8
	Tapered Yellow-legged Camphor Beetle							
<i>Stenus pallipes</i>	Camphor Beetle	W	L	NC	NC	Wetland	Litter of marsh, fen, swamp	2
			C/					
<i>Stenus picipes</i>	Camphor Beetle	T	L	VL	L	Wetland	Dry to wet grassland	2
			C/				Juncus, Watercress, stream,	
<i>Stenus picipennis</i>	Camphor Beetle	W	L	VL	VL	Wetland	marsh, dune	3
	2-hollowed Camphor Beetle		N				Marsches, ditches, pond edges,	
<i>Stenus pusillus</i>	Tube-bodied Camphor Beetle	W	B	VL	L	Wetland	grassland	3
		H	C/				Drier grassland & heathland,	2
<i>Stenus similis</i>	Tube-bodied Camphor Beetle	+	L	L	C/L	Heaths	mountains	6
		W	C/					
<i>Acidota crenata</i>	Red Rove Beetle	+	L	VL	VL	Wetland	Litter, moss, forests, bogs	1
	Feather-wing Rove Beetle (1mm)	T/						1
<i>Acrotrichis sp</i>	Brown Rove Beetles (various)	W				Wetland	Taken in ground vegetation	5
<i>Aleocharinae</i> (several species)								2
	Red-winged		C/					6
<i>Aleochara lanuginosa</i>	Aleochara Beetle	T	L	VL	C	Roughs	Dung, carcasses, grass tussocks	2
	Brown Aleochara Beetle						Carrion, dung, nests, burrows,	
<i>Aleochara sparsa</i>	Dull-nosed Ridged Rove Beetle	T	L	VL	VL	Pasture	litter	1
			C/					
<i>Anotylus rugosus</i>	Larger Red Brown Rove Beetle	W	L	L	C	Wetland	Damp veg litter, esp marshes	2
			C/					
<i>Anthobium unicolor</i>	Anthobium Beetle	T	L	L	C/L	Wood edge	Leaf litter in /near woods	2
			C/				Margins of rivers, ponds, reeds,	
<i>Hygronoma dimidiata</i>	Yellow-brown-winged Rove Beetle	W	L	VL	VL	Wetland	peat	1
<i>Lathrobium terminatum</i>	Yellow-flash Rove Beetle		C/					
	Longer-winged Brown Rove Beetle	W	L	VL	VL	Wetland	Wet mire and marsh	1
			C/				Moss/leaf litter in	
<i>Lesteva longoelytrata</i>	Red-winged Black Rove Beetle	W	L	VL	L	Wetland	marshesstreams	4
			C/					
<i>Megalinus glabratus</i>	Distinctive-head Rove Beetle	T	L	NC	VL	Roughs	Grassland, wastes, sandy ground	1
			C/					
<i>Metopsia clypeata</i>	Well-grooved Rove Beetle	T	L	L	L	Roughs	Tussocks, leaf litter, dung, fungi	1
<i>Micropeplus staphylinoides</i>	Hairy Coppery Coach Horse	T	L	VL	C	Roughs	Damp/wet decaying vegetation/hay	2
			C/					
<i>Ocyphus aeneocephalus</i>	Horse	T	L	VL	VL	Roughs	Rough grassland	5
			C/				Variety of damp to dry soil habitats	
<i>Ocyphus olens</i>	Devil's Coach Horse	T	L	C/L	C	Wood edge		5
<i>Philonthus carbonarius</i>	Green-winged Black Rove Beetle	H	C/					
			+ L	L	C/L	Heaths	Open woods, heath-grassland	3
<i>Philonthus cognatus</i>	Bicolour-antennae Black Rove Beetle	H	C	L	C/L	Heaths	Damp soil, open woods, heath-	
			+ C	L	C/L	grassland	1	
<i>Philonthus cf jurgans</i>	Reddish-winged Rove Beetle	T	L	L	L	Wood edge	Litter piles, compost heaps	1
			C/				Wetlands, damp roughs and	
<i>Quedius fuliginosus</i>	Large-eyed Rove Beetle	W	L	VL	C/L	Wetland	woods	2
			C/				Open habitats on damp to drier	
<i>Quedius levicollis</i>	Three-eye dot Rove Beetle	T	L	VL	L	Roughs	soil	7
			C/					
<i>Quedius maurorufus</i>	Larger Brown Rove Beetle	T	L	L	C/L	Wetland	Fens, flushes, pond margins	3
			C/					
<i>Quedius molochinus</i>	Red-winged Black Rove Beetle	T	L	VL	L	Roughs	Leaf litter on damp soils	2
			C/					
<i>Quedius schatzmayri</i>	Part-punctured Variegated Rove Beetle	T	L	NC	L	Roughs	Damp soils, leaf litter	3
			C/					
<i>Quedius semiaeneus</i>	Copper & Yellow-winged Rove Beetle	T	L	NC	VL	Roughs	Damp soils, leaf litter	1
			C/					
<i>Quedius semiobscurus</i>	Red-fringed-wing Rove Beetle	T	L	NC	VL	Roughs	Open drier habitats	3
			W	C/				
<i>Quedius cf umbrinus</i>	Colourful Rove Beetle	+	L	VL	L	Wetland	Wet soils	1
<i>Reichenbachia juncorum</i>	Squat Rove Beetle	W	L	VL	L	Wetland	Wetland margins, bogs, swamps	2

<i>Tachinus rufipes</i>	Pale-edged Black Rove Beetle	T	C/ L	VL	C	Roughs	Leaf litter, thick grass, dung, logs
<i>Tachyporus chrysomelinus</i>	6-hair-edged Yellow & Black Rove Beetle	T	C	L	C	Roughs	Leaf litter, rotting grass, moss, soil surface
<i>Tachyporus dispar</i>	8-hair-edged Yellow & Black Rove Beetle	T	C	VL	L	Roughs	Leaf litter, rotting grass, moss, soil surface
<i>Tachyporus hypnorum</i>	Bi-coloured-pronotum Yellow & Black Rove Beetle	W +	C	L	C/L	Wetland	Leaf litter, rotting grass, moss, soil surface
<i>Tachyporus nitidulus</i>	Black-headed Short-haired Yellow & Black Rove Beetle	T	C	NC	L		Leaf litter, rotting grass, moss, soil surface
<i>Tachyporus pallidus</i>	Black headed & tailed Y & RB	W C/	L	VL	L	Wetland	Leaf litter, debris in wetlands
<i>Tachyporus solutus</i>	Narrow-necked Rove Beetle	T	L	VL	VL	Roughs	Leaf litter, rotting grass, moss, soil surface
<i>Xantholinus linearis</i>	Xantholinus linearis	T	L	L	C	Roughs	Dry, open situations
<i>Xantholinus longiventris</i>	Xantholinus longiventris	T	C	L	C	Roughs	Open situations, some damp
52 Weevil species:							
<i>Anthonomus rubi</i>	Strawberry-blossom Weevil	T C/	L	VL	L	Wood edge	Strawberries/raspberries
<i>Apion frumentarium</i>	Orange Dock Weevil	T	L	C	C	Roughs	
<i>Apion rubens</i>	Sheep's Sorrel Red Weevil	T	L	VL	VL	Roughs	On Sheep's Sorrel in sandy places
<i>Archarius salicivorus</i>	Willow Gall Weevil	W +	C/ L	(19 77)	C/L	Wetland	Feeds on Willow and gall causer
<i>Betulapion simile</i>	Bearded Birch Apion Weevil	T	L	L	L	Wood edge	Birch trees
<i>Catapion pubescens</i>	Low-foreheaded Apion Weevil	T	Nb	NC	NC	Flower meadows	Trefoils
<i>Ceratapion gibbirostre</i>	Wide-nosed Thistle Weevil	T +	L	VL	L	Roughs	Thistles
<i>Ceratapion onopordi</i>	Thistle Weevil	T	L	NC	L	Flower meadows	Thistles esp, grassland/brownfield
<i>Ceutorhynchus obstrictus</i>	Cabbage Seed Weevil	T C/	L	VL	L	Roughs	Brassicas
<i>Cionus scrophulariae</i>	Figwort Weevil	T C/	L	C/L	VL	Roughs	Figwort & Mullein
<i>Coelositona cambricus</i>	Welsh Sitona Weevil	W	L	VL	VL	Wetland	Greater Bird's-foot Trefoil
<i>Dorytomus melanophthalmus</i>	Cylindrical Orange Weevil	W W +	C/ L	VL	NC	Wetland	Salix
<i>Eutrichapion ervi</i>	Meadow Vetchling Seed Weevil	T C/	L	VL	L	Flower meadows	Meadow Vetchling, vetches
<i>Eutrichapion viciae</i>	Yellow-legged Bearded Weevil	T C/	L	VL	VL	Flower meadows	Vetchling and Vetches
<i>Exapion ulicis</i>	Gorse Weevil	T	L	L	C/L	Heaths	Gorse
<i>Holotrichapion aethiops</i>	Vetch Weevil	T	L	NC	VL	Flower meadows	on Vetches
<i>Holotrichapion pisi</i>	Bulging-eyed hairy-nosed Weevil	T C/	L	NC	VL	Flower meadows	On Medick
<i>Hylesinus varius</i>	Ash Bark Weevil	T	L	NC	VL	Wood edge	Ash trees
<i>Hypera meles</i>	Furrow-nosed Red Clover Weevil	T	A	NC	VL	Flower meadows	Red Clover esp
<i>Hypera nigrirostris</i>	Black-nosed Green Clover Weevil	T C/	L	L	VL	Flower meadows	Clover & Bird's-foot-trefoil
<i>Hypera postica</i>	Clover Leaf Weevil	T	L	VL	VL	Flower meadows	Clover
<i>Hypera rumicis</i>	Broad-nosed Dock Weevil	T/ C/	L	VL	L	Roughs	Docks
<i>Ischnopterapion modestum</i>	Bird's-foot Trefoil Weevil	W L/	L	NC	NC	Wetland	Greater Bird's-foot Trefoil
<i>Ischnopterapion virens</i>	White Clover Weevil (green/purple)	T C/	C	VL	L	Flower meadows	White Clover
<i>Mecinus pascuorum</i>	Red-patched Ribwort Plantain Weevil	T	L	VL	L	Flower meadows	Ribwort Plantain

<i>Mecinus pyraster</i>	Black Ribwort Plantain Weevil	T	C/ L	VL	L	Flower meadows	Ribwort Plantain	7
<i>Nedyus quadrrimaculatus</i>	Small White-patched Nettle Weevil	T	C/ C/	C/L	C	Wood edge	Nettles	1
<i>Notaris acridulus</i>	Pale-rear-tipped Wetland weevil	T	L	VL	C/L	Wetland	Reed Sweet-grass	2
<i>Oxystoma cerdo</i>	Small pinch-nosed antennae 1 yellow weevil	T	Nb	VL	L	Flower meadows	Tufted Vetch	4
<i>Parethelcus pollinarius</i>	Head-lights Nettle Weevil	T	C/ W	L	L	Wood edge	Nettles	2
<i>Pelenomus quadratuberculatus</i>	Persicaria Weevil	+ T	L	NC	VL	Wetland	Persicarias & Curled Dock	1
<i>Perapion curtirostre</i>	Common Black Dock Weevil	+ T	C/ L	VL	C/L	Roughs	Well vegetated areas with Rumex	5
<i>Perapion hydrolapathi</i>	Straight-sided Blue Dock Weevil	T	C/ +	(19 18)	C/L	Roughs	Docks	2
<i>Perapion violaceum</i>	Curved-sided Blue Dock Weevil	T	C/ +	L	VL	C/L	Docks	1
<i>Phyllobius pomaceus</i>	Glaucous Nettle Weevil	T	C	C/L	C	Wood edge	Nettles mostly	0
<i>Phyllobius pyri</i>	Common Leaf Weevil	T	C	C/L	C	Wood edge	Trees and shrubs	8
<i>Phyllobius roboretanus</i>	Small Green Nettle Weevil	\T	C/ C/	L	C/L	Wood edge	Trees and shrubs and herbs	9
<i>Protaetia apricans</i>	Smooth Dark-legged Weevil	T	L	VL	C/L	Flower meadows	Red Clover	8
<i>Protaetia assimile</i>	Rough Dark-legged Weevil	T	C/ L	VL	VL	Flower meadows	On Clover	2
<i>Protaetia fulvipes</i>	Yellow-legged Black-nosed Weevil	T	C/ C/	L	L	Flower meadows	White Clover	3
<i>Protaetia nigritarse</i>	Yellow-nosed Weevil	T	C/ C/	NC	VL	Flower meadows	Lesser Trefoil	1
<i>Protaetia trifolii</i>	Dark-trochantered Weevil	T	L	VL	L	Flower meadows	Red Clover, Zig-zag Clover	1
<i>Rhamphus pulicarius</i>	Large-eyed Willow Flea Weevil	W	L	VL	L	Wetland	Willows, Birch, Bog-myrtle	9
<i>Rhinoncus pericarpus</i> (pre 2014)	Smooth Cream-spotted Sorrel Weevil	T	C	VL	C/L	Flower meadows	Sorrel & Docks	1
<i>Sitona cylindricollis</i>	Narrow Sitona Weevil (pron punctures ringed by grooves)	T	L	VL	L	Flower meadows	Melilotus	2
<i>Sitona hispidulus</i>	Flat-eyed Hairy Clover-root Weevil	T	C/ L	VL	VL	Flower meadows	Various herbs, often Clover	1
<i>Sitona lineatus</i>	Big-eyed Striped Sitona Weevil	T	C	C/L	C/L	Flower meadows	Vetches, grasslands	1
<i>Sitona obsoletus</i> (<i>lepidus</i>)	6-spotted Cinnamon Sitona Weevil	T	L	VL	VL	Flower meadows	Trifolium Clovers	2
<i>Sitona sulcifrons</i>	Big-eyed Side-banded Sitona Weevil	T	C/ C/	VL	NC	Flower meadows	Clover, Bird's-foot Trefoil	7
<i>Sitona suturalis</i>	Striped Sitona Weevil	T	L	VL	VL	Flower meadows	Meadow Vetchling, vetches	6
<i>Stenopterapion tenuie</i>	Medick Weevil	T	L	NC	VL	Flower meadows	Medicks	1
<i>Trichosirocalus troglodytes</i>	Square-backed Ribwort Plantain Weevil	T	C/ L	L	C/L	Flower meadows	Ribwort Plantain	2
16 Dung specialists:								
<i>Aphodius (Acrossus) rufipes</i>	Red & Black Dung Beetle	T	C/ L	L	C/L	Pasture	Dung of herbivores	1
<i>Aphodius (Agrilinus) ater</i>	Small Black Dung Beetle	T	C	VL	L	Pasture	Dung of herbivores	1
<i>Aphodius (Nimbus) contaminatus</i>	Hairy-pronotumed Dung Beetle	T	L	VL	L	Pasture	Dung of herbivores	1
<i>Aphodius (Calamosternus) granarius</i>	a Dung Beetle	T	C/ L	NC	VL	Pasture	Dung of herbivores	1
<i>Aphodius pedellus</i>	Orange-winged dark-fronted Dung Beetle	T	L	NC	VL	Pasture	Dung of herbivores	1
<i>Aphodius (Melinopterus) prodromus</i>	Dark-faced Brown Dung Beetle	T	C/ L	VL	C	Pasture	Dung of herbivores	1

<i>Aphodius</i> <i>(Melinopterus)</i> <i>sphaelatus</i>	Yellow-edged Dung Beetle	T	C/ C/ L	NC	C/L	Pasture	Dung of herbivores
<i>Geotrupes spiniger</i>	Dumble Dor Beetle	T	L	VL	VL	Pasture	Dung of herbivores
<i>Cercyon impressus</i> (G Foster)	Dinted Cercyon Beetle	W	C/ +	L	L	C	Cow/sheep dung. Rotting veg e.g. in marshes
<i>Cercyon lateralis</i> (G Foster)	Bordered Cercyon Beetle	T	L	VL	L	Pasture	Dung, compost, carrion.
<i>Cercyon</i> <i>melanocephalus</i> (G Foster)	Black-headed Cercyon Beetle	T	C/ C/ L	VL	C	Pasture	Dung, esp sheep.
<i>Cercyon pygmaeus</i>	Pigmy Cercyon Beetle	T	L	VL	L	Pasture	Dung, rotting veg, compost
<i>Cryptopleurum</i> <i>minutum</i> (G Foster)	Hairy Dome Scavenger Beetle	T	C/ L	L	C/L	Pasture	Dung, rotting vegetation Horse & cow dung, carcasses, compost
<i>Sphaeridium lunatum</i>	Black-Red-Yellow Dung Beetle	T	C/ L	VL	L	Pasture	
<i>Oxytelus laqueatus</i>	Pale-winged Grooved Rove Beetle	T	C/ L	VL	L	Pasture	Dung of herbivores
<i>Platystethus arenarius</i>	Dung Rove Beetle	T	C	VL	C/L	Pasture	Dung of herbivores

32 Other Beetle species:

	One-pronged					
<i>Anaspis fasciata (humeralis)</i>	Tumbling Flower Beetle	C/ T	VL L	L	Flower meadows	Hawthorn/Blackthorn/spring flowers
<i>Anaspis maculata</i>	Spotted Tumbling Flower Beetle	C/ T	C/L L	C	Wood edge	Hawthorn, Elder, Hogweed, Daisy etc
<i>Anaspis regimbarti</i>	Orange & Brown Flower Beetle	C/ T	VL L	L	Flower meadows	Hawthorn/Blackthorn/spring flowers
<i>Anaspis rufilabris</i>	Pale-spurred Brown Flower Beetle	C/ T	VL L	L	Flower meadows	Hawthorn/Blackthorn/spring flowers
<i>Anthocomus rufus</i>	Red and Black Beetle	W	L	VL	L	Wetland
<i>Atomaria lewisi</i>	Oriental Silken Fungus Beetle	T	A C/ L	VL	C/L	Wood edge
<i>Atomaria mesomela</i>	Centrally-dark Silken Fungus Beetle	T	VL	VL	Roughs	Damp meadows, rotting hay
<i>Brachypterus glaber</i>	Black-legged Short-winged Nettle Pollen Beetle	T	C/L L	C	Wood edge	Nettles and umbels
<i>Brachypterus urticae</i>	Pale-legged Short-winged Nettle Pollen Beetle	T	C	L	C	Wood edge
<i>Byturus tomentosus</i>	Raspberry Beetle (elytal flanks visible)(Furry orange)	T	C/ L	C/L	C	Wood edge
<i>Cartodere bifasciata</i>	Spotted Cartodere Latrid	T	A	VL	L	Wood edge
<i>Cartodere nodifer</i>	Noduled Catodere Latrid	T	A C/	L	C/L	Wood edge
<i>Catops nigricans</i>	Sharp-cornered Catops Beetle	T	L	VL	L	Wood edge
<i>Catops morio</i>	Stout-paramerized Catops Beetle	T	L C/	VL	L	Wood edge
<i>Catops tristis</i>	Point-tipped Catops Beetle	T	L	VL	VL	Wood edge
<i>Corticarina minuta (fuscula)</i>	Round-pronotum Latrid (1.5 to 1.8mm), head pron dark. A9 long.	T	C/ L	VL	C/L	Wood edge
<i>Cortinicara gibbosa</i>	Narrow-pronotum Latrid (no 1st sternite lines)	T	C C/	L	C	Wood edge
<i>Enicmus transversus</i>	Broad Brown Latrid	T	L	VL	C/L	Wood edge
<i>Epuraea biguttata agg</i>	Orange Sap-feeding Beetle	T	C/ L	VL	VL	Wood edge
<i>Grammoptera ruficornis</i>	Red-antennae Red-antennae Longhorn	T	C C/	C/L	C	Wood edge
<i>Lagria hirta</i>	Yellow and Black Bristly Beetle	T	L C/	C/L	C	Flower meadows
<i>Hoplia philanthus</i>	Welsh Chafer	T	L	C/L	C	Flower meadows

<i>Meligethes aeneus</i>	Green-hued Simple-femured Pollen Beetle	T	C C/ C/	C/L	C	Flower meadows	Brassicas; Yellow flowers, esp Oil Seed Rape	7
<i>Micrambe ulicis (vini)</i>	Gorse Beetle Black-antennaeed	T	L	NC	L	Heaths	Gorse	1
<i>Nicrophorus vespilloides</i>	Yellow-banded Burying Beetle	T	C C/ C/	C	C	Roughs	Carrion	2
<i>Oedemera lurida</i>	Small False Blister Beetle (purple/green)	T	L C/ C/	C/L	C	Roughs	Open areas with pollen, dead stems	6
<i>Oedemera nobilis</i>	Green Swollen-thighed Beetle	T	L C/ C/	C/L	C	Flower meadows	Flower meadows, gardens, roughs	4
<i>Pyrochroa serraticornis</i>	Red-headed Cardinal Beetle	T	L C/ C/	L	C/L	Wood edge	Predatory. Docks, Nettle, umbels.	1
<i>Soronia grisea</i>	Mottled Sap-feeding Beetle	T	L C/ C/	VL	VL	Wood edge	Sap runs on trees	1
<i>Sciodrepoides watsoni</i>	Narrower-pronotumed Sciodrepoides	T	L C/ C/	VL	VL	Roughs	Carrion, fungi, nest, grassland & heath	2
<i>Telmatophilus typhae</i>	Greater Reedmace Pollen Beetle	W	L C/ C/	VL	L	Wetland	Greater Reedmace	1
<i>Telmatophilus caricis</i>	Burreed Pollen Beetle	W	L	VL	L	Wetland	On Burreed	2
DIPTERA:								
TRUE FLIES:								
34 Hoverfly species:								
<i>Cheilosia albiparsis</i>	Buttercup Blacket Hoverfly	T	C	C/L	L	Flower Meadows	Buttercups: damp meadows, marsh, rides	1
<i>Episyphus balteatus</i>	Marmalade Hoverfly Thick-footed Eristalis	T	C	C	C	Flower meadows	All habitats, larvae eat aphids	6
<i>Eristalis arbustorum</i>	Hoverfly	A	C	C	C	Wetland	Farm drains, dung in water.	2
<i>Eristalis horticola</i>	Thin-dark-legged Eristalis Hoverfly	+ A	C C/	C/L	C/L	Wetland	Roughs, gardens	1
<i>Eristalis intricarius</i>	Furry Dronefly	+ A	L	C/L	C	Wetland	Ditches, bramble, woods, hedges	1
<i>Eristalis nemorum (Interruptus) (C Sellen)</i>	Narrow-black-striped Eristalis Hoverfly	A	C	C	C	Wetland	Swampy wetlands. Blackthorn, Willow	1
<i>Eristalis pertinax</i>	Yellow-footed Eristalis Hoverfly	+ A	C	C	C	Wetland	Flower meadow, woodland rides, hedge	3
<i>Eristalis tenax</i>	Common Dronefly Yellow-spectacled	A	C	C	C	Wetland	Farm drains etc. Wood rides.	1
<i>Eupeodes corollae</i>	Hoverfly	T	L	C	C	Flower meadows	Flowers	7
<i>Helophilus pendulus</i>	Common Striped-thorax Hoverfly (third black tibia)	A	C	C	C	Wetland	Enriched	4
<i>Melanogaster hirtella</i>	Common Marsh Hoverfly	+ A	C C/	C	C/L	Wetland	water/pollen/ivy/buildings in winter	6
<i>Melanostoma mellinum</i>	Narrowly-dusted Hoverfly	W	C	C	C	Wetland	Many habitats. Often migrant	7
<i>Melanostoma scalare</i>	Broadly-dusted Orange-clubbed	+ W	C	C	C	Wetland	Wetlands, ranging far for pollen	1
<i>Myathropa florea</i>	Orange-clubbed Hoverfly	T	L	C	C	Wood edge	Aquatic larvae in reeds;	8
<i>Neoascia meticulosa</i>	Black-tipped, clear-winged Fat-thighed	A	C	C	C	Wood edge	Buttercups	1
<i>Neoascia tenur</i>	Hoverfly	W	L	C/L	C/L	Wetland	Marshes, fens, heaths, reeds, reedmace	3
<i>Pipiza noctiluca</i>	Common Pipiza	T	L	L	C/L	Wood edge	Brambles, Umbellifers, often woods	1
<i>Platycheirus albimanus</i>	Common Silver-spotted Hoverfly	T	C	C/L	C	Wood edge	Wood edge, hedge, gardens.	7
<i>Platycheirus angustatus</i>	Lightening-pitted	W	C	C/L	C/L	Wetland	Aphids	1
<i>Platycheirus clypeatus</i>	Orange-spot Hoverfly	+ W	L	C/L	C/L	Wetland	Marshes, damp grass + dry grass	5
<i>Platycheirus granditarsus</i>	Round-pitted Orange-spot Hoverfly	+ W	C	C/L	C	Wetland	Dry grass, wet meadows, fens	1
<i>Platycheirus manicatus</i>	Orange-saddled Hoverfly	W	L	C/L	C	Wetland	Marshy meadows, lush waterside veg	5
	Dull-backed Boxer	T	L	C/L	C/L	Roughs	Dry grassland of calc, coast, moor	1

<i>Platycheirus peltatus</i>	Broad Orange-spotted Hoverfly	T	C/ L	C/L	C/L	Wood edge	Meadows, rides, open scrub, clearings Marshy meadows, lush waterside veg	1
<i>Platycheirus rosarum</i>	Two-spotted Hoverfly	W	L	C/L	L	Wetland		5
<i>Platycheirus scutatus</i> group (female)	Female hoverfly (1 of 3/4 species)	T	C/ L	C/L	L	Wood edge	Woodland edge trees & flowers	2
<i>Riponnensis splendens</i>	Splended Riponnensis Hoverfly	W +	C/ L	L	L	Wetland	Marsh, wet meadow, damp woods	1
<i>Scaeva pyrastri</i>	White-clubbed Hoverfly	T	C/ L	C/L	C	Roughs	Gardens, roughs, meadows	2
<i>Sphaerophoria interrupta</i>	Thumb Sphaerophoria Hoverfly	T	C/ L	L	L	Wood edge	Damp grass, aphids on Red Campion etc	1+
<i>Sphaerophoria scripta</i>	Bi-width-process Spaerophoria Hoverfly	T	C/ L	C/L	C	Flower meadows	Mobile species. Larvae eat ground level aphids	5+
<i>Syritta pipiens</i>	The Fat-femured Hoverfly	T	C	C	C	Wood edge	Most places inc gardens, ivy Garden, hedge, wood, roughs, wastes	7
<i>Syrphus ribesii</i>	Hoverfly (yellow femur)	T	C/ C	C	C	Wood edge	Range of flowers. Larvae in Bumblebee nests	5
<i>Volucella bombylans</i>	Black Yellow & White Hoverfly	T	L	C	C	Flower meadows	Brambles, umbellifers, glades. Larvae in wasp nests	1
<i>Volucella pellucens</i>	Large Pied Hoverfly	T	C	C/L	C	Wood edge	Dead wood in woods, yards, gardens	2
<i>Xylota segnis</i>	Orange-belted Leaflicker Hoverfly	T	C	C	C	Wood edge		1
8 Soldierfly & allies species:								
<i>Beris sp</i>	Black Legionaire Soldierfly	T	C	C/L	C	Wood edge	Lush veg, hedges, rides, marshes	3
<i>Chorisops tibialis</i>	Dull 4-spined Legionaire Soldierfly	T	C	L	L	Wood edge	Woodland, scrub, isolated trees	1
<i>Haematopota pluvialis</i>	Notch-horned Cleg	T	C/ C	C	C	Roughs	Damp, less improved countryside with mammals	2
<i>Microchrysa cyaneiventris</i>	Black Gem Soldierfly	T	L	C/L	C	Wood edge	Trees and shrubs	1
<i>Microchrysa flavicornis</i>	Green Gem Soldierfly	T	C	VL	L	Wood edge	Tree, shrub foliage; larvae in dung	2
<i>Rhagio scolopaceus</i>	Downlooker Snipefly	T	C	C	C	Roughs	Damp meadows, isolated trees	2
<i>Sympormyia crassicornis</i>	Moorland Snipefly	W	N	VL	NC	Wetland	Moors, wet meadows, streams, dunes	1
<i>Stratiomyidae</i>	Aquatic/Marsh larva	A +				Wetland	Wetlands	8
41 Cranefly species:								
<i>Dicranomyia autumnalis</i>	Orange Autumn Cranefly	W	C/ L	L	L	Wetland	A variety of wet soils/ wetlands	1
<i>Dicranomyia fusca</i>	Hairy Short-palped Cranefly	W	C	L	L	Wood edge	Wet/damp woodland	1
<i>Dicranomyia modesta</i>	a Clear-winged Brown Cranefly	W	C/ C	L	C	Wetland	Wet woods, marsh, ponds, damp grass	4
<i>Dicranomyia morio</i>	a Clear-winged Brown Cranefly	W	L	L	L	Wetland	Wet woods, marsh, ponds, damp grass	1
<i>Eloeophila maculata</i>	Spotted-winged Cranefly	W	C	L	L	Wetland	Shaded streams & ditches	1
<i>Erioconopa diurna</i>	Grey October Cranefly	W	C/ L	L	L	Wetland	Wet meadows, floodplains, moors, bogs	5
<i>Erioconopa trivialis</i>	Grey Scythe Cranefly	W	C	C/L	C	Wetland	Wetlands, wet woods,	8
<i>Erioptera flavata</i>	Small Yellow Cranefly	W	C/ C	VL	VL	Wetland	Peat bogs, ditches, ponds	1
<i>Erioptera fuscipennis</i>	Small Grey Cranefly	W	L	L	C/L	Wetland	Muddy places upland/lowland	1
<i>Erioptera fusculenta</i>	Yellow-shoulder Cranefly	W	C/ L	VL	VL	Wetland	Muddy places upland/lowland	3
<i>Erioptera lutea lutea</i>	Grey/Brown Cranefly	W	C	VL	VL	Wetland	Variety of muddy habitats	2
<i>Helius longirostris</i>	Black-striped Long-snout Cranefly	W	C/ L	L	L	Wetland	Vegetated pond margins, peat bogs	1
<i>Limonia nubeculosa</i>	Stripe-legged banded Cranefly	W	C	C/L	C	Wetland	Damp, mossy, shady places	3
<i>Molophilus griseus</i>	Short-palped Cranefly	W	C	C/L	C	Wetland	Bogs, farmland, woods, hedges	1
<i>Molophilus obscurus</i>	Small hairy-winged yellow Heron Cranefly	W +	C	C/L	C	Wetland	Wet pastures etc	3

<i>Molophilus ochraceus</i>	Small Yellow Cranefly	W A +	C C/ L	L NC (19 20)	C/L	Wetland	Wet, shaded habitats, wet woods, bog	1
<i>Nephrotoma guestfalica</i>	Hairy-backed Tiger Cranefly	W	C/ L	20)	L	Wetland	Sandy riversides, wetland, wooded	1
<i>Ormosia hederae</i>	U-appendaged Cranefly	W A	C C/ L		C/L	Wetland	Damp woods, hedges, wood edge	2
<i>Ormosia sp</i>	5-lobed aquatic larvae	+				Wetland		7
<i>Paradelphomyia senilis</i>	Brown Seepage Cranefly	W A +	C C/ L		L	Wetland	Calcareous & acid seepages	3
<i>Pedicia rivosa</i>	Large Stripe-winged Cranefly	W A +	C C/ L		L	Wetland	Bog, moors, wet woods	2
<i>Phylidorea ferruginea</i>	Black-tipped Orange Cranefly	W	C C/ L		C/L	Wetland	Ponds & rushy ditches	1
<i>Phylidorea fulvonervosa</i>	Black-lined Orange Cranefly	W	C C/ L		C/L	Wetland	Wet woods, mire, moors	2
<i>Pilaria discicollis</i>	Grey Orange Black Cranefly	W A +	C C/ L		C/L	Wetland	Lush pond, seepage, stream, flush	1
<i>Prionocera turcica</i>	Yellow-nosed Cranefly	W A +	C C/ L		C/L	Wetland	Bog, wet heath, marsh	2
<i>Pseudolimnophila lucorum</i>	Crane adult+ larva	W	C C/ VL		L	Wetland	Wet wood, bog, carr, seepage <7ph	1
<i>Ptychoptera albimana</i>	Pale-footed Cranefly	W	C C/ C/L		C	Wetland	Peat bog, carr, fen, swamp, rush pasture	3
<i>Ptychoptera scutellaris</i>	Hairy-tipped-wing Cranefly	W W	L C	VL C/L	VL	Wetland	Seepage/ditch	1
<i>Tipula confusa</i>	V-marked Mottle-winged Cranefly	+	C	C/L	C/L	Wetland	Variety of habitats with moss	1
<i>Tipula fulvipennis</i>	Wing-centre-spot Cranefly	W	C C/ C/L		C	Wetland	Wet wood, wet grass, muddy water margins	1
<i>Tipula lateralis</i>	Streak-winged Cranefly	W	C C/ C/L		C/L	Wetland	Damp stream and lakesides	1
<i>Tipula luteipennis</i>	Yellow-winged Orange Cranefly	W A	L C	L	L	Wetland	Wet ground with rushes	5
<i>Tipula maxima</i>	Large band-wing Cranefly	+	C	C/L	C/L	Wetland	Wet grassland, wooded watercourses	2
<i>Tipula oleracea</i>	Long-winged Long-palped Cranefly	W	C C/ C/L		C	Roughs	Damp grassland	6
<i>Tipula pagana</i>	Short-winged Cranefly	T	C C/L		C/L	Roughs	Mossy habitats of all types	1
<i>Tipula paludosa</i>	Common Long-palped Cranefly	W	C C/L		C	Roughs	2	
<i>Tipula variicornis</i>	Black-ringed Dagger Cranefly	+	C C/ L		C/L	Wetland	Damp grassland	0
<i>Tipula vittata</i>	Streak-winged Spring Cranefly	A	C C/ L		C/L	Wetland	Wet wood, wet heath, mosslands	3
<i>Trichocera annulata</i>	a Winter Cranefly	T	L C/L	L	L	Wood edge	Wet wood, heath	1
<i>Trichocera saltator</i>	a Winter Cranefly	T	L C/L	L	C/L	Wood edge	Woodland	1
<i>Tricyphona immaculata</i>	Grey Orange-legged Cranefly	W	C C/L		C	Wetland	Woodland, cow dung, higher ground	8
39 other Nematocera species:								
<i>Bibio nigrovittatus</i>	Short-horned Bibio Smoky-winged Feverfly	T	L C/L	VL C/L	VL	Wood edge	Trees and shrubs and grassland	1
<i>Dilophus febrilis</i>	Milky-winged Feverfly	T	L C/L	C/L	C/L	Roughs	Low vegetation	4
<i>Dilophus femoratus</i>	Feverfly	T A	L C/L	VL L	L	Roughs	Umbellifers in damper areas	1
<i>Chaoborus sp & c</i>	Phantom Midge	+				Wetland	Ponds/ditches	6
<i>Aedes sp</i>	Mosquito	A				Wetland	Part shaded swamps/ pools.	1
<i>Anopheles</i>		A		NC		Wetland	Mammal blood	4
<i>Coquillettidia richiardii</i>	Piercing-siphoned Mosquito	A +	C L	(19 39)	VL	Wetland	Vegetated ponds etc	2
<i>Culex pipiens</i>	Mosquito	A +	L C/L	C/L	C	Wetland	Wetlands and water butts	2
<i>Culiseta cf annulata</i>	Mosquito	A +	C L	C/L	C	Wetland	Wetlands and water butts	3

				NC(
<i>Culiseta morsitans</i>	Long-siphoned Mosquito	A +	C/ L	193 9)	L	Wetland	Pools, ponds, ditches	1
<i>Serromyia cf femorata</i> (adults)	Large-femured Biting Midge	A +	NC(old)	NC	Wetland		Wetlands	1
<i>Ceratopogonidae</i> (adults)								5
<i>Ceratopogonidae</i>		A						
(<i>Atrichopogon</i> larvae)	Biting Midges	+				Wetland	Wetlands	4
<i>Ceratopogonidae</i>		A						
(<i>Bezzia</i> larvae)	Biting Midges	+				Wetland	Wetlands	3
<i>Chironomidae</i> (large adults)	Non-biting Midges	A +				Wetland	Ponds/ditches	2
<i>Chironomidae</i> (tiny adults)	Non-biting Midges	A +				Wetland	Ponds/ditches	5
<i>Corynoneura</i> (larvae)	Non-biting Midge	A +				Wetland	Wetlands	3
<i>Orthocladinae</i> (larvae)	Non-biting Midges	A +				Wetland	Wetlands	7
<i>Podominae</i> (larvae)	Non-biting Midge	A +				Wetland	Wetlands	6
<i>Tanypodinae</i> (larvae)	Non-biting Midge	A +				Wetland	Wetlands	3
<i>Tanypodinae</i> (larvae)	(Narrow Head)	+						
<i>Tanypodinae</i> (larvae)	Non-biting Midge	A +				Wetland	Wetlands	2
<i>Tanypodinae</i> (larvae)	(Wide Head)	A +						
<i>Tanytarsini</i> (larvae)	Non-biting Midge	A +				Wetland	Ponds and streams	2
<i>Keroplatidae</i>	Fungus Gnats	T				Wood edge	Fungus, rotting wood. Woods Fungi, mycelium, nests, tall, shady veg	1
<i>Mycetophilidae</i>	Fungus Gnats	T				Wood edge	Mainly abitats. strategy	6
<i>Sciaridae</i>	Black Fungus Gnats	W +				Wetland		3
<i>Sylvicola cinctus</i>	Common Window Gnat	T C/ L	C/L	C	Roughs		Larvae found in decaying matter	1
<i>Sylvicola fenestralis</i>	Less Common Window Gnat	T C/ L	VL	C/L	Roughs		Larvae found in decaying matter	7
<i>Sylvicola punctatus</i>	Spotted Window Gnat	T L	VL	C	Pasture		Associated with cattle dung Rotting organics; marshes , open habitats	1
<i>Scatopsidae</i>	Dung Midges	T						3
<i>Cecidomyiidae</i>	Gall Midges (3 main groups exist)	T					Rotting organics; gall/mines; predatory	1
<i>Glossinidae</i>	Grouped-leaf-blade Gall Midge (from gall)							8
<i>Iteomyia major</i>		W A	C/ C/	C	Wetland		On Willow (Crack) Springs, weedy streams, peat pools	1
<i>Dixa dilatata</i>	Meniscus Midge	+	L	VL	VL	Wetland		1
<i>Dixa maculata</i>	Meniscus Midge	A +	N	VL	VL	Wetland	Stony woodland streams	1
<i>Dixella aestivalis</i>	Meniscus Midge	A +	C	C? NC	C	Wetland	Standing water, drains, near trees	1
<i>Dixella autumnalis</i>	Meniscus Midge (too small to id)	A +	C/ L	(19 64)	L	Wetland	Swamps at the edges of wetlands	1
<i>Simulium cryophilum</i> (larvae)	Blackfly	A +	C/ L	NC	NC	Wetland	Running water; nectar or blood	2
<i>Simulium erythrocephalum</i> (larvae)	Blackfly	A +	L	VL	NC	Wetland	Running water; nectar or blood	2
<i>Simuliidae</i>	Blackflies	A +				Wetland	Running water; nectar or blood Larvae in water; damp woods, marshes	2
<i>Psychodidae</i>	Moth Flies	A +				Wetland		5
61 other Brachycera Fly taxa:								
<i>Sicus ferrugineus</i>	Ferruginous Bee-grabber	T	C/ L	C/L	C/L	Flower meadows	Flowers where bees are present	1
<i>Elgiva solicita</i>	Brown S-veined Snail-killing Fly	W	L C/ C/	C/L	C/L	Wetland	Ponds and ditches with snails Wetlands, bogs lush wood rides.	8
<i>Limnia paludicola</i>	Marsh Stripe-backed Snail-killing Fly	W	L C/ C/	VL	L	Wetland	Succinea	1
<i>Limnia unguicornis</i>	Stripe-backed Snail-killer	T	L N	VL	L	Roughs	Snails: Grassland, wetland, dunes, brownfield	1
<i>Pherbellia griseola</i>	Little Variable Snail-killing Fly	W	N	VL	L	Wetland	Pool/marsh/swamp with fluctuating water level	1

<i>Pherbellia schoenherri</i>	Spot-winged Little Snail-killing Fly	W	L C/	L	VL	Wetland	Tall wetland vegetation	2
<i>Pherbina coryleti</i>	Net-winged Snail-killing Fly	W	L C/	C/L	C/L	Wetland	Wide range of swampy wetlands	2
<i>Renocera pallida</i>	Dark-horned Mussel-killing Fly	W	L C/	L	C/L	Wetland	Wet wood, stream, lake with Pea Mussels	3
<i>Tetanocera arrogans</i>	Two-spined Buff Snail-killing Fly	W	L C/	VL	L	Wetland	Wetlands of all types	1
<i>Tetanocera elata</i>	Field Buff Snail-killing Fly	T	L C/	L	C	Roughs	Roughs, wetlands, heaths, wood edge, dunes	1
<i>Tetanocera ferruginea</i>	Common Buff Snail-killing Fly	W	L C/	L	C/L	Wetland	Wetlands avoiding acid sites	2
<i>Dolichopus brevipennis</i>	Wide-black -footed Green Long-legged Fly	W	C/ L	L	C/L	Wetland	Wetlands and roughs	2
<i>Dolichopus plumipes</i>	Feather-on-stick Green Long-legged Fly	T	L C/	L	C	Wood edge	Damper grassland and wood edge	9
<i>Dolichopus popularis</i>	White-toed Green Long-legged Fly	T	C C/	L	C	Wood edge	Damper grassland and wood edge	3
<i>Dolichopus trivialis</i>	Green Long-legged Fly	T	L C/	VL	C	Roughs	Wastes, grasslands, woods, wetlands, gardens	2
<i>Dolichopus ungulatus</i>	Green Long-legged Fly	T	L C/	VL	C	Wood edge	Damper grassland and wood edge	3
<i>Gymnopternus cupreus</i>	Coppery Long-legged Fly	W	C/ +	L	L	Wetland	Wood, wet woods, wetlands, acid grass	1
<i>Sympycnus pulicarius</i>	Flea Green Long-legged Fly	T	L C/	VL	C	Flower meadows	Open, grassy habitats	8
<i>Poecilobothrus nobilitatus</i>	Dark-tipped Wing-waving Long-legged Fly	W	C/ L	C/L	C/L	Wetland	Wetlands	1
<i>Bicellaria nigra</i>	Humped Dance Fly	W	L	NC	NC	Wetland	Wetland Woodland	2
<i>Bicellaria simplices</i>	Dance Fly	W	L C/	NC	VL	Wetland	Wetland Woodland	1
<i>Bicellaria vana</i>	Dance Fly	T	L C/	L	C/L	Wood edge	Woods, roughs, wastes, gardens	4
<i>Chelifera prectoria/precabunda</i>	Dance Fly	W	L C/	VL/	L/N	Wetland	Foliage near watercourses	1
<i>Dolichocephala guttata//oblongoguttata</i>	Dance Fly	W	L C/	L/V	L//	Wetland	Wetland Woodland	2
<i>Empis bicuspidata</i>	Bones Dagger Fly	T	L	VL	VL	Flower meadows	Hedges and flowery meadows	1
<i>Empis livida</i>	Large Short-veined Dagger Fly	T	C C/	C	C	Wood edge	Hedgerows, scrub edges	4
<i>Empis nigripes</i>	Spanner Dagger Fly	T	L C/	L	C	Wood edge	Woodland, grassland, wetland	6
<i>Empis nuntia</i>	Looped Dagger Fly	T	L	VL	L	Roughs	Wastes, grasslands, wetlands	3
<i>Empis opaca</i>	Pale-legged Gift-bearing Dagger Fly	T	L	C/L	L	Wood edge	Hedges/wood edge taking pollen, insects	5
<i>Empis praevia</i>	Trumpet Dagger Fly	T	L C/	VL	L	Wood edge	Wastes, woods, acid grass	4
<i>Empis punctata</i>	Grey-backed Yellow Dagger Fly	T	L C/	VL	VL	Wood edge	Hedges and flowery meadows	2
<i>Empis stercorea</i>	Concave Yellow Dagger Fly	T	L C/	L	VL	Flower meadows	Lush grassy places	4
<i>Empis tessellata</i>	Largest (Tesselated) Dagger Fly	T	C C/	L	C	Wood edge	Hedges, wood edge, umbellifers	3
<i>Empis trigramma</i>	Ruddy-backed Yellow Dagger Fly	T	L	L	C/L	Wood edge	Hedges, well-vegetated areas, Hawthorn	4
<i>Hilara albipennis</i>	Milky Balloon Fly	W	V +	192 L 1)	VL	Wetland	Wood, semi-natural grassland, wetland	2
<i>Hilara cornicula</i>	Slug-headed Balloon Fly	W	C/ +	L	VL	C/L	Wetlands and scrub	3
<i>Hilara hirtipes</i>	Bifid-tipped Balloon Fly	T	L	NC	VL	Wood edge	Woodland and hedges	1
<i>Hilara maura</i>	Dark-hooked Balloon Fly	W	C/ +	L	VL	C/L	Vegetation near water	4
<i>Hilara quadrifasciata (quadrivittata)</i>	Balloon Fly	W	V +	L	VL	L	Vegetation near water. Hedges	5
<i>Hybos femoratus</i>	Pale Hair-legged Dance Fly	W	L C/	VL	C/L	Wetland	Wetland Woodland	1

	Yellow Black Thorax					Damp or shady places. Larvae in	
<i>Ocydromia glabricula</i>	Dance Fly	T	C	VL	C	Wood edge	dung
<i>Platypalpus minutus</i> (agg)	Little Platypalus Dance Fly	T	C/ C/ C/	L	VL	C/L	Wood edge
<i>Platypalpus calceatus</i>	Yellowish Dance Fly	W	L	VL	L	Wetland	Farmland, water, wet wood
<i>Platypalpus longicornis</i>	Long-antennae	T	L	VL	C/L	Wood edge	Woodland near water
<i>Platypalpus pallidiventris</i>	Dance Fly	T	C/ C/	L	VL	C	Tall herb and scrub mostly
<i>Platypalpus</i> (unidentified females)	Striped-socks Dance Fly	T	L	VL	C	Wood edge	Tall herb and scrub mostly
<i>Rhamphomyia variabilis</i>	Dance Fly						8
<i>Tachypeza nubila</i>	Grey Yellow-legged Dance Fly	W	+ C/	L	NC	VL	Wetland
<i>Lonchoptera lutea</i>	Dance Fly	W	L	VL	C/L	Wetland	Wet Woodland
<i>Lonchoptera nitidifrons</i>	Yellow Spear-winged Fly	T	C	C NC(	C	Roughs	Leaf litter; nectar; open habitats
<i>Phoridae</i>	Glossy-faced Spear- wing Fly	W	V	193 9)	NC	Wetland	Wetlands, sedges or other emergents
<i>Eudorylas subterminalis</i>	Scuttle Flies	T		NC(old)			Multiple strategies
<i>Eudorylas zonatus</i>	Big-headed Fly	T	L		LC	Wood edge	Wooded area, hedges. Attacks Leafhoppers
<i>Pipunculus campestris</i>	Big-headed Fly	T		C/			1
<i>Pipunculus thomsoni</i> (<i>lenis</i>)	Striped Big-headed Fly	T	L	NC	L	Wood edge	Brambles on wood edges
<i>Pipunculus varipes</i> (<i>violovitshii</i>)	Banded-legged Big- headed Fly	T	L	NC	NC	Wood edge	Brambles on wood edges
<i>Dryomyza anilis</i>	Yellow,black,yellow- legged BHF	T	L	NC	NC	Roughs	Tall herb where froghoppers live
<i>Heteromyza rotundicornis/commixta</i> <i>a</i>	Large Ruddy Dromyzid Fly	T	C	C/L	C	Wood edge	Dung, carrion, fungi, shady habitats
<i>Suillia bicolor</i> (Ian Andrews)	Grey and Red Heteromyzid Fly	W	L/ +	VL/ L	VL	L/L	Mostly woodland with water
<i>Suillia laevifrons</i> (Ian Andrews)	Short-spined Yellow Suillia Fly	W		C	VL	L	Shady woodland with stream
<i>Suillia notata</i> (Ian Andrews)	Large-spotted Yellow Suillia	T	L	VL	VL	Flower meadows	Larvae in Luzula
	Feint-spotted Yellow Suillia Fly	W	C/ +	L	VL	L	Mostly woodland with water, often acid

62 Acalypterate Fly taxa:

<i>Agromyza alnivora</i>	Alder Leaf Miner Fly	W	C	L	C	Wetland Flower meadows	Alder trees var species	1
<i>Agromyza nana</i>	Clover Leaf Miner Fly	T	L	VL	L		Clovers	1
<i>Lonchaea sp</i>	Lonchaeid Fly	T				Wood edge	Rotting broad-leaved trees	2
<i>Silba fumosa</i> (<i>Setisquamalonchaea</i>)	Yellow-fringed Black Lonchaeid	T	C/ L	VL	C/L	Roughs	Rotting vegetables & grass, manure	1
<i>Chamaepsila obscuritarsus</i>	Baldwin's Columbina Fly	T	C/ L	VL		Flower meadows	Hedges and flowery meadows	3
<i>Chamaepsila rosae</i>	Carrot Rust Fly Remarkable Black	+ T	L	VL	L	Roughs	Umbellifers including root crops	4
<i>Calliopum elisae</i>	Lauxanid	W	L	VL	VL	Wetland	Fens, pond edges, marshy streamsides	3
<i>Meiosimyza decipiens</i>	Dark-palped Yellow	T/	C/				Wetland, calc grassland, woodland	1
<i>Meiosimyza platycephala</i>	Lauxanid Fly	W	L	VL	C/L	Wetland		
<i>Meiosimyza rorida</i>	Larger all-yellow Lauxanid	T	C/ L	VL	L	Wood edge	Woodland	1
<i>Meiosimyza subfasciata</i>	Peg-legged Yellow Lauxanid	T	C/ L	VL	C	Wood edge	Woods, roughs, wastes	1
<i>Minettia fasciata</i> group	Yellow Lauxanid	T	L			Wood edge	Mixed habitats	1
<i>Sapromyza halidayi</i> (<i>Calliopum</i> <i>tuberculosum</i>)	Grey-fronted Striped Lauxanid Fly	T	L		L	Wood edge	Open woods, shrubs, hedges	2
<i>Sapromyza sexpunctata</i>	Plain Yellow Lauxanid	T	C/ L	VL	C/L	Wood edge	Feeds in leaf litter	2
	Yellow 6-spot Lauxanid Fly	T	L		C/L	Roughs	Grassland	1

<i>Tricholauxania praeusta</i>	Pale-marked Hairy-veined Lauxanid Fly	T	C C/ C/	L	C	Wood edge	Hedges, well-vegetated areas, umbels	6
<i>Geomyza balachowskyi</i>	Pliers Geomyza Fly	T	L	VL	L	Roughs	Mainly grasslands	1
<i>Geomyza hackmani</i>	Archway Geomyza Fly	W	L	NC	VL	Wetland	Wetlands and marsh	1
<i>Geomyza tripunctata</i>	Round-tipped Geomyza Fly	T	C C/ C/	C/L	C	Roughs	Grasslands, woods, cereal fields	0
<i>Anomoia purmunda</i>	Spectacled Picture-winged Fly	T	L C/ C/	C/L	C	Wood edge	Eggs and larvae on Hawthorn fruits	1
<i>Chaetostomella cylindrica</i>	a Golden Picture-winged Fly	T	L N	L	C	Roughs	Knapweeds, Thistles	1
<i>Dioxyna bidentis</i>	Long-lipped Picture-winged Fly	W	N C/ C/	VL	VL	Wetland	On Bidens in marshes, watersides	1
<i>Opomyza florum</i>	Four-spot Yellow Cereal Fly	T	L	L	C	Roughs	Grasslands, woods, cereal fields	2
<i>Opomyza germinationis</i>	Marked-wing Spotted Red Cereal Fly	T	C	C/L	C	Roughs	Moist habitats, grass, leaf litter	1
<i>Opomyza petrei</i>	Marked-wing Striped Red Cereal Fly	T	C C/ C/	C/L	C	Roughs	Unmanaged grassland, roughs, wastes	7
<i>Palloptera quinquemaculata</i>	Five-spotted Orange Trembling-wing Fly	T	L	VL	C/L	Wood edge	Wood margins Hogweed Cow-parsley	2
<i>Palloptera trimacula</i>	Trembling-wing Fly	T	L C/ C/	VL	VL	Wood edge	Grassland, scrub with tall herb	4
<i>Palloptera umbellatarum</i>	Six-spotted Trembling-wing Fly	T	L	VL	C/L	Roughs	Thistles	2
<i>Rivellia syngenesiae</i>	Small Semaphor Fly	W	L	NC	L	Wetland	Well vegetated, marshy sites	1
<i>Tephritis cometa</i>	Star & Stripe Gall Fly	T	L C/ C/	C/L	L	Roughs	Thistles	4
<i>Tephritis neesii</i>	Oxeye Daisy Gall Fly	T	L	C	L	meadows	Oxeye Daisy. Roughs	4
<i>Tephritis vespertina</i>	Autumn Hawkbit Gall Fly	T	L C/ C/	VL	C/L	meadows	Autumn Hawkbit and Cat's-ear buds	1
<i>Nemopoda nitidula</i>	Unspotted Spined Ensign Fly	T	C	L	C	Roughs	Tall herb. Carrion, fungi, dung.	3
<i>Sepsis cynipsea</i>	Ensign Fly with two humps on tibia	T	C C/ C/	C/L	C	Pasture	Tall veg. Larvae in cow dung	7
<i>Sepsis flavimana</i>	Ensign Fly with narrowed tibia	T	L	VL	C	Pasture	Tall veg. Larvae in cow dung	9
<i>Sepsis fulgens</i>	Ensign Fly with two-spined prominence	T	C	L	C	Pasture	Tall herb. Larvae in dung	1
<i>Sepsis neocynipsea</i>	Ensign Fly with spine & bump	T	C C/ C/	NC	NC	Pasture	Tall veg. Larvae in cow & sheep dung	2
<i>Sepsis orthocnemis</i>	Ensign Fly with fore group of two spines	T	L C/ C/	L	C	Pasture	Tall herb. Larvae in cow dung	2
<i>Sepsis punctum</i>	Ensign Fly with thumb, mound & long spines	T	L	L	C	Pasture	Tall herb. Larvae in dung	4
<i>Sepsis violacea</i>	Ensign Fly with one-spined prominence	T	C	VL	C	Pasture	Cow, horse, pig, chicken dung	1
<i>Themira lucida</i>	Black 2-fingered Ensign Fly	W	L C/ C/	NC	L	Wetland	Waterfowl droppings, tall herb etc	3
<i>Themira superba</i>	Long-tailed Black Ensign Fly	W	L V	VL	VL	Wetland	Waterfowl droppings, wetlands Dung, rotting veg, fruit, fungi, Oak sap	1
<i>Drosophila busckii</i>	Y-Banded Fruit Fly	T	L	NC	NC	Wood edge	Fungi, sylvanthetic	2
<i>Drosophila funebris</i>	Paired-banded Fruit Fly	T	L	NC	L	Wood edge	Decaying fungi, rotting plants, fruit, Oak sap	4
<i>Drosophila hydei</i>	Dark-sided Fruit Fly	T	L	NC	VL	Wood edge	Oak sap, rotting fruit, fungus	2
<i>Drosophila immigrans</i>	Spiny-femured Banded Fruit Fly	T	L	NC	VL	Wood edge	Oak sap runs of Beech/Oak, fungi,	2
<i>Drosophila obscura</i>	Many-toothed Fruit Fly	T	L	VL	VL	Wood edge	Sap runs of Beech/Oak, fungi, Fungus, Oak, Fruit, sylvanthetic	1
<i>Drosophila cf melanogaster</i>	Pale-fronted Fruit Fly	T	L C/ C/	NC	VL	Wood edge	Fungi, Oak, Fruit, sylvanthetic	2
<i>Drosophila phalerata</i>	Black-tipped banded Fruit Fly	T	L	VL	L	Wood edge	Fungi and woodlands	2
<i>Drosophila picta</i>	Striped & Spotted Fruit Fly	W	L C/ +	NC	VL	Wetland	Reedmace Moth frass, fungi	5
<i>Drosophila subobscura</i>	Clouded-winged Fruit Fly	W	L C/ +	VL	L	Wetland	Fungi, wetlands, woodland	9
<i>Drosophila suzukii</i>	Spotted-winged Fruit Fly	A	L	NC	VL	Wood edge	Bramble, fruit, fungi	1

<i>Drosophila transversa</i>	Banded Hairy-eyed Fruit Fly	T	L	VL	VL	Wood edge	Fungi, decaying vegetation	2
<i>Hydrellia maura</i> (Martin Drake)	Shore Fly	W	C	NC	C/L	Wetland	Pasture, wetlands	1
	Banded-legged Shore Fly	C/						
<i>Parydra littoralis</i>	Shore Fly	W	L	VL	C/L	Wetland	Freshwater wetlands	1
		NC(
<i>Parydra quadripunctata</i>	4-spotted Shore Fly	C/	195					
	Larger Spot-winged	W	L	3)	VL	Wetland	Freshwater wetlands	1
<i>Scatella stagnalis</i>	Shore Fly	W	L	NC	C	Wetland	Wetland	3
<i>Scatella tenuicosta</i> (lacustris)	Smaller Spot-winged	C/						
	Shore Fly	W	L	NC	C/L	Wetland	Wetland	1
<i>Ephydriidae</i> (other)	Shore Fly					Wetland	Wetland	9
	Yellow Swarming							
	Grass Fly							
<i>Thaumatomyia & c</i>	(Chloropidae)	T				Roughs	Permanent grasslands	1
	Triangular-head mark							3
<i>Chloropidae</i>	minute yellow and							1
	brown flies	T						2
							Multiple strategies	2
<i>Sphaeroceridae</i>	Lesser Dung Fly	T				Roughs	Larvae in rotting organics	0
<i>Copromyza equina</i>	M-headed Lesser Dung Fly	T	C/	L	VL	Flower meadows	Horse, sheep, cow &c dung.	1
21 Calypterate Fly taxa:								
<i>Mycophaga testacea</i> (T Irwin)	an Anthomyiid Fly	T	C/	L	VL	VL	Wood edge	Fungi (e.g. on Beech)
	Reedbed Yellow-legged Dung Fly						Phragmites, Typha, moth associate	1
<i>Cleigastra apicalis</i>	Reedbed Black Dung Fly	W	L	NC	L	Wetland		1
<i>Cordilura ciliata</i>		C/						
<i>Scathophaga furcata</i>	Dark-front-femur Dung Fly	W	L	NC	VL	Wetland	Sedge + Phragmites Reed	1
<i>Scathophaga inquinata</i>		C/						1
<i>Scathophaga stercoraria</i>	Golden Dung Fly	T	L	L	C	Pasture	Sheep Dung, Dog, Human	1
		C/						
<i>Scathophaga suilla</i>	Yellow Dung Fly	T	C	C/L	C	Pasture	Dung, esp on moors	1
		C/				Flower meadows	Cow pats, pollen, predators	3
								0
								1
<i>Fanniidae</i>	Pale Yellow Dung Fly	T	L	L	L	meadows	Farmland. Larvae unknown. Rotting organics; Esp in or near woods	3
<i>Haematobosca stimulans</i>	Lesser House Flies	T						5
<i>Mesembrina meridiana</i>	Large Meadow Bite Fly	T	C/	L	L	Pasture	Young in Cow dung; adult bites cattle	1
<i>Musca autumnalis</i>							Dung breeder. Woods and tall vegetation	2
<i>Muscidae</i>	Noon Fly Muscid	T	C	C/L	C	Pasture	Cattle, flowers, larvae in cattle dung	1
<i>Eriothrix rufomaculatus</i>	House Flies	T				Flower meadows	Multiple strategies	3
<i>Panzeria (Eurithia) anthophila</i>	Red-sided long-costata-spined Tachinid	T	C		C		Parasitic on moths; umbels & daisies	1
<i>Phryxe nemea</i>	Black Tachinid	T	C/	L	L	Roughs	Attacks moths. Meadows, woodland, marsh	2
<i>Tachinidae</i>		C/						
<i>Calliphora vicina</i> (Olga)	Bristly Parasitic Flies	T					Parasitic on Lepidoptera larvae	1
	Common Bluebottle	T	C	C	C	Roughs	Larvae parasitic on invertebrates	5
<i>Lucilia sericata</i>	Sheep-strike	T	C	C	C	Roughs	Carcasses and flowering plants	1
<i>Calliphoridae</i>	Greenbottle	T	C	C	C	Roughs	Carrion, dung, refuse, rotting veg, wounds	3
	Blue or Green Bottle	T					Carrion; Flowers, dung, rotting organics	4
<i>Sarcophaga</i> sp	Blowflies	T				Roughs		1
<i>Calypterate misc</i>								8
THYSANOPTERA:	THUNDERFLIES: 3 taxa:							
<i>Limothrips denticornis</i>	Toothed-antenna Thunderfly	T	?	?	?	Flower meadows	Grasses	3
	Brown (winged)							2
<i>Thrip</i>	Thrip	T	?	?	?	Flower meadows	Flowers/grasses	5
	Yellow (winged)							
<i>Thrip</i>	Thrip	T	?	?	?	Flower meadows	Flowers/grasses	6

STREPSIPTERA:		TWISTED-WING PARASITE: 1 taxa:						
<i>Elenchus tenuicornis?</i>		Leafhopper Parasite	W	NC	NC	Wetland	Marshes with <i>Conomelus anceps</i>	2
DIPLURA:		BRISTLETAILS: 1 taxa:						
<i>Campodea sp</i>		Two-tailed Bristletail	T			Roughs	Soil layer/ grass thatch	2
COLLEMBOLA:		SPRINGTAILS: 28 species:						
<i>Allacma fusca</i>		Large Dark Brown Squat Springtail	T	C W	VL	VL	Roughs	Surface debris, low vegetation
<i>Deuterostreptus (yellow)</i>		Purple Squat Springtail	T	C W	NC	VL	Roughs	Surface debris, low vegetation
<i>Dicyrtomina fusca</i>		Springtail	T	W V	VL	L	Roughs	Surface debris, low vegetation
<i>Dicyrtomina minuta</i>		Blue-tailed Squat Springtail	T	C W	VL	L	Roughs	Surface debris, low vegetation
<i>Dicyrtomina ornata</i>		Patterned Squat Springtail	T	C W	VL	L	Roughs	Surface debris, low vegetation
<i>Dicyrtomina saundersi</i>		Blue-masted Yellow Squat Springtail	T	V C	VL	L	Roughs	Surface debris, low vegetation
<i>Sminthurinus aureus</i>		Squat Grey yellow Springtail	T	C W	NC		Roughs	Surface debris, low vegetation
<i>Sminthurinus elegans</i>		Elegant Squat Springtail	T	C W	NC		Roughs	Surface debris, low vegetation
<i>Heterosminthurus bilineatus</i>		Least Banded Squat Springtail	T	M C	NC	L	Roughs	Damp surface debris, low vegetation
<i>Heterosminthurus insignis</i>		Yellow Least Squat Springtail	T	M C	VL	NC	Roughs	Damp surface debris, low vegetation
<i>Sminthururus viridis</i>		Clover Springtail	T	W	NC	VL	Roughs	Grasses and shrubs
<i>Isotomurus graminis (prasinus)</i>		Greenish Springtail	W	C? V	NC	L	Wetland	Wet habitats
<i>Isotomurus palustris</i>		Patterned Springtail	W	C	L	L	Wetland	Damp surface debris, low vegetation
<i>Isotomurus plumosus</i>		Banded Springtail	W	C	VL	L	Wetland	Wet habitat edge
<i>Isotoma riparia</i>		1-striped Springtail	W	S C	NC	L	Wetland	Stream edges, flood debris etc
<i>Isotoma viridis</i>		Green Springtail	W	W	C	C	Wetland	Range of habitats inc wetlands
<i>Lepidocyrtus curvicollis</i>		Yellow Humped Springtail	T	W	NC	L	Roughs	Surface debris, low vegetation
<i>Lepidocyrtus cyaneus</i>		Brown Humped Springtail	T	W	NC	L	Wood edge	Leaf litter, logs
<i>Orchesella cincta</i>		Dark-headed Patterned Springtail	T	C V	C	C	Roughs	Surface debris, low vegetation
<i>Orchesella villosa</i>		Dark-antennae Patterned Springtail	T	W V	L	L	Roughs	Surface debris, low vegetation
<i>Entomobrya albocincta</i>		Dark Ento Springtail	T	W	L	L	Wood edge	Under bark/dead wood/tree canopy
<i>Entomobrya intermedia</i>		W-lined Patterned Springtail	T	W V	C	C	Roughs	Flowers, trees, bushes, gardens
<i>Entomobrya multifasciata</i>		Triangles-tipped Springtail	T	W V	L	L	Roughs	Surface debris, low vegetation
<i>Entomobrya nicoleti</i>		4-dot-tipped Springtail	T	C V	L	NC	Roughs	Surface debris, low vegetation
<i>Entomobrya nivalis</i>		Two-lined Patterned Springtail	T	W V	L	L	Roughs	Surface debris, low vegetation
<i>Neanura muscorum</i>		First Springtail	T	W V	VL	L	Wood edge	Often found under bark
<i>Pogonognathellus longicornis</i>		Coil-antennae Yellow Springtail	W +	W	C	C	Wetland	Surface debris, low vegetation, marsh, garden

	Trident Brown <i>Tomocerus minor</i>	W +	V C W C	C	Wetland	Surface debris, low vegetation, marsh, garden	1 2
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Columns C-H:

Column C uses W for Wetland, A for Aquatic, T for Terrestrial Habitats.

Column G gives an abbreviated habitat Column H gives habitat per literature

Column D gives the status in England and Wales, from UK JNCC Taxon list and other literature, if no review.

RDB 1 – species appear in the Red Data Book and are categorised as endangered;

RDB 2 – species appear in the Red Data Book and are categorised as vulnerable;

RDB 3 – species appear in the Red Data Book and are categorised as rare;

RDB K – species appear in the Red Data Book but the status is unknown, although they are thought to be rare;

pRDB 1 – species are likely to appear in the Red Data Book and be categorised as endangered;

pRDB 2 – species are likely to appear in the Red Data Book and be categorised as vulnerable;

pRDB 3 – species are likely to appear in the Red Data Book and be categorised as rare;

NN/NS – species are nationally notable and have been recorded in 16-100 ten kilometre squares in Great Britain.

Na – species are nationally scarce and have been recorded in 16 – 30 ten kilometre squares in Great Britain;

Nb – species are nationally scarce and have been recorded in 31 – 100 ten kilometre squares in Great Britain

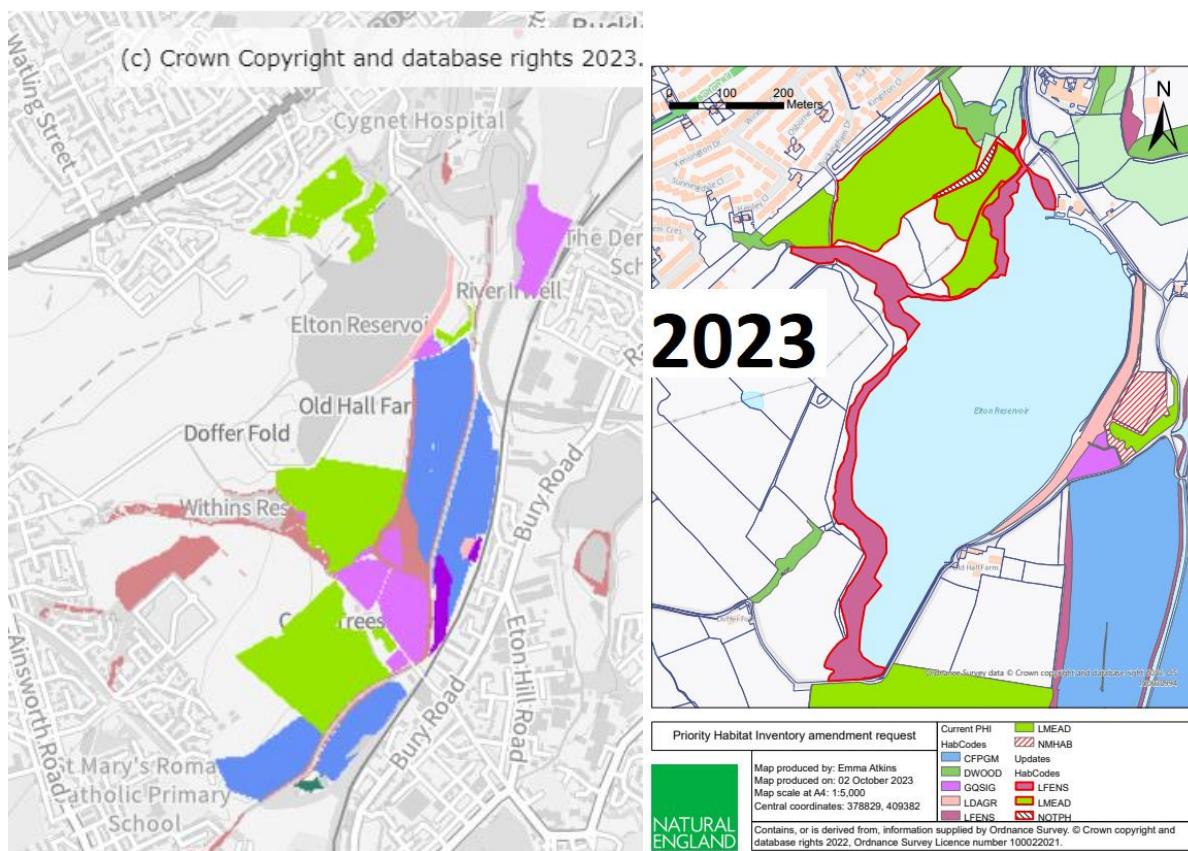
NC is given if this record is the only one in county on NBN or rECOrd or iRecord (+ atlases or checklists)(as of Jan 2024)

NC and L must be used with caution as counties to north and south may have more records, implying poor record sharing.

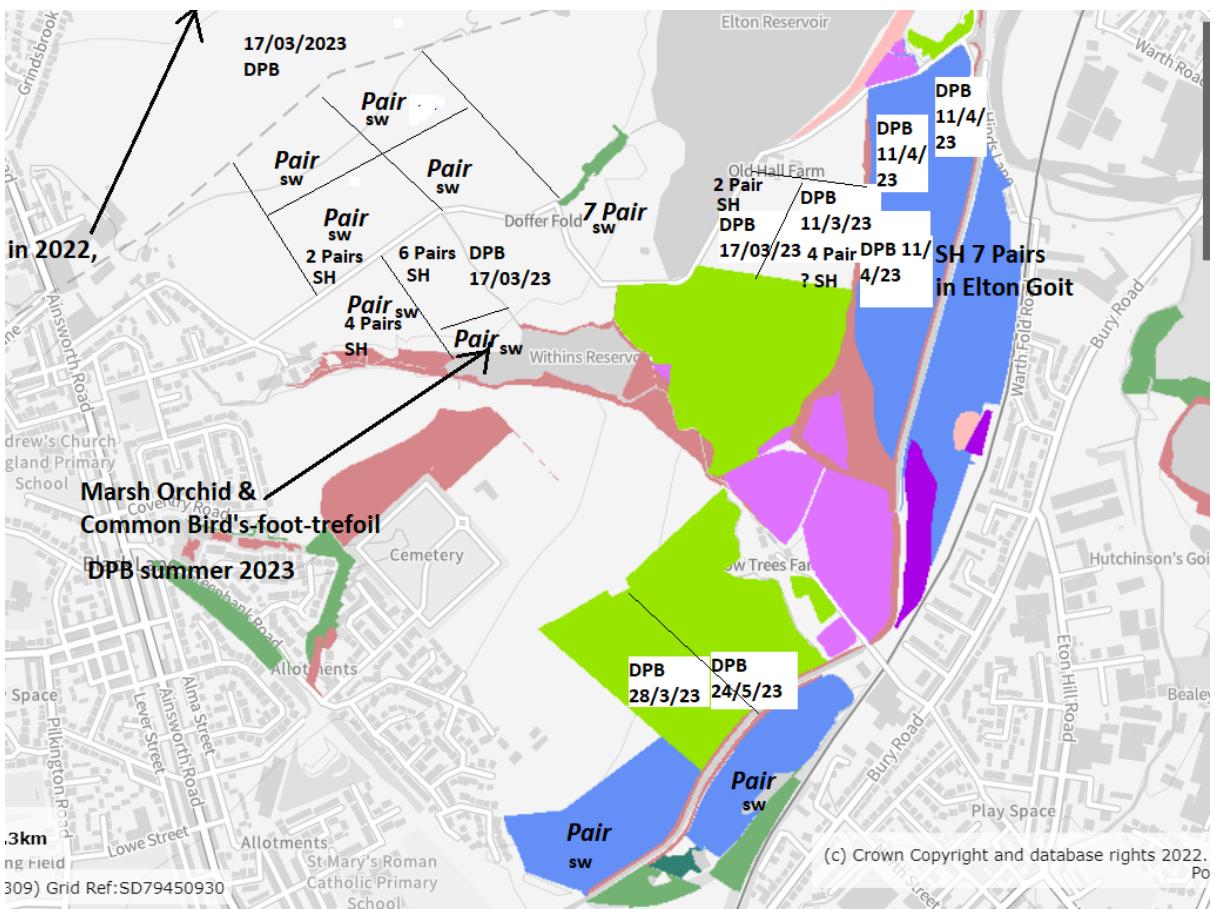
VL found in 1-4 other sites in the County

L -- Local scattered or clumped distribution

Un - literature states uncommon but no status assigned.



The mapped extent of the survey area is not quite shown in these maps. Spen Moor extends to the north west. Hydrology is shown ion a separate set of maps.



This is the MAGIC map of Greater Manchester with woodlands and peat-mosslands removed so other Priority Habitats stand out. As you can see we have a special site. Our site is ringed in red.

