

Elton Reservoir Basin Country Park Invertebrate Survey											Spen	Spen	Spen												
Elton Reservoir Basin Countryside Warden Service											Elton	Within	Elton	Moor	Moor	Moor	Wetlan	MBB	Coney	Black	Irwell	Dog			
Dave Bentley Ecology Services davebentleyecology@gmail.com								Eng/			Goit	Res	eservo	with	Doffer	Higher	Near	Canal	Green	Lane	Bank	Walking			
Taxa in red are Scarce		Broad	Wale	GM	Chesh						SBI	& vale	SBI	&Doffer	fold	&	adcliffe	Area	Ponds		Field				
Taxa in blue are Greater Manchester first records		Habi-	Sta-	Sta-	Sta-						& Brood	djacer	fold		Lower	Area		SBI		by canal					
Explanatory notes at foot of table		tat	tus	tus	tus						Autum	Autum	Basic	Basic	Basic	Basic	Casual	Casual	Basic	Casual	Casual				
Numbers in columns are numbers of samples present							<b>Total taxa found (whole area 1043):</b>							<b>618</b>	<b>443</b>	<b>305</b>	<b>461</b>	<b>156</b>	<b>389</b>	<b>179</b>	<b>42</b>	<b>94</b>	<b>57</b>	<b>39</b>	<b>16</b>
Type of survey on line 6. Methods at end.							<b>Scarce species (whole area 30)</b>							<b>15</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>PROTOZOA/PORIFERA/BRYOZOA:</b>							<b>4 taxa:</b>																		
<i>Zoothamnium</i>	Ovoid-tipped Branched Animacule	A	C			Wetland	Attached to water beetle	1									1								
<i>Plumatella cf reptans</i>	Bryzoan	A				Wetland	On floating bottles here		1		1		1												
<i>Ephydatia fluviatilis</i>	Green Sponge	A				Wetland	Canal/river/lake on hard substrate		2								1								
<i>Eunapis fragilis?</i>	Sponge	A				Wetland	Canal and river on hard substrate	1																	
<b>LUMBRICIDAE:</b>							<b>EARTHWORMS:</b>							<b>5 Worm species:</b>											
<i>Allolobophora chlorotica</i>	Green Worm	T	C	C/L	L	Flower meadows	Neutral to base-rich grassland	2																	
<i>Dendrobaena octaedra</i>	Octagonal-tailed Worm	T	C/L	C/L?	C/L	Wood edge	Leaf litter is habitat & food	1																	
<i>Eiseniella tetraedra</i>	Square-tailed Worm	W	C	C/L	C	Wetland	Shallow ponds, ditches, marshes	1		2						1									
<i>Lumbricus rubellus</i>	Red Worm	T	C	C	C	Wood edge	Least habitat specific Earthworm	4	1																
<i>Lumbriculus variegatus</i>	Oligochaete Worm	W	C	C	C	Wetland	Wetland shallows	5			3	2	1				1								
<b>HIRUDINEA:</b>							<b>LEECHES:</b>							<b>10 Leech species:</b>											
<i>Erpobdella octoculata</i>	Swimming Leech	A	C	C	C	Wetland	Swamps, ponds	4	1	4	4		4	2	1			1							
<i>Erpobdella testacea</i>	Swamp Leech	A	L	L	L	Wetland	Swampy ponds/ditches				1		1	1				1							
<i>Glossiphonia complanata</i>	Green Mollusc Leech	A	C	C	C	Wetland	Streams, ponds, swamps with molluscs	3	2	2	1		1	1				1							
<i>Alboglossiphonia heteroclita</i>	Amber Mollusc Leech	A	C/L	L	C	Wetland	kes, ponds, stream margins with molluscs				1		1					1							
<i>Haemopsis sanguisuga</i>	Horse Leech	A	L	C	L	Wetland	Ponds	1	1	4	2	1	1	1	1			1							
<i>Helobdella stagnalis</i>	Two-eyed White Leech	A	C	C	C	Wetland	Ponds and wet swamps		2	2	2		2				1	1							
<i>Hemiclepsis marginata</i>	Dumbbell Leech	A	L	L	L	Wetland	Ponds with amphibians & fish		1	1								1							
<i>Piscicola geometra</i>	Fish Leech	A	C	C	C	Wetland	Well-oxygenated still & flowing with fish			1															
<i>Theromyzon tessulatum</i>	Duck Leech	A	C	C	C	Wetland	Permanent Ponds (attacks waterfowl)	2	1	2	8	4	4	1				1							
<i>Trocheta pseudodina (C Macad</i>	Large Brown Leech	A	L	C/L	C/L	Wetland	Cleaner streams			2															
<b>TRICLADIDA &amp; C:</b>							<b>FLATWORMS:</b>							<b>5 Flatworm taxa:</b>											
<i>Australoplana sanguinea</i>	Australian Flatworm	T	A	A	A	Roughs	Urban edge, gardens. Eats worms	1																	
<i>Dendrocoelum lacteum</i>	Milky Flatworm	A	C	C	C	Wetland	Ponds, slow streams	5	1	2	1	1			2	2		1							

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<i>Dugesia sp</i>	a Native two-eyed Flatworm	A	C	C	C	Wetland	Ponds, slow streams		1					1	1				
<i>Girardia (Dugesia) tigrina</i>	Tiger Flatworm	A	A	A	A	Wetland	Streams, lakes				1		1						
<i>Polycelis nigra</i>	Black Flatworm	A	C	C	C	Wetland	Lowland streams, lakes, ponds	8	1	4	4	2	2				1		
<b>MOLLUSCA:</b>	<b>SNAILS, MUSSELS &amp; SLUGS:</b>						<b>61 Mollusc species:</b>												
<i>Aegopinella nitidula</i>	Smooth Glass Snail	T	C	C	C	Wood edge	Woods, hedges, gardens, roughs, waste	6	3	2	1		1						
<i>Cepaea hortensis</i>	White-lipped Banded Snail	T	C	C	C	Wood edge	Many habitats, wetter than nemoralis	4	2					1					
<i>Cepaea nemoralis</i>	Brown-lipped Banded Snail	T	C	C	C	Wood edge	Woods, hedges, calc grasslands	4	3										
<i>Cepaea sp</i>										1	1	1					1		
<i>Cochlicopa cf lubrica</i>	Slippery Moss Snail	T	C	C	C/L	Wood edge	Woods, hedges, damp grass, wetlands	3	3										
<i>Cornu aspersum</i>	Garden Snail	T	A	C	C	Wood edge	Woods, hedges, gardens	1	2		1	1			2				1
<i>Euconulus alderi agg</i>	Tawny Glass Snail	W	C/L	L	L	Wetland	Wetlands	6											
<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	1		2	3		3						
<i>Nesovitrea hammonis</i>	Rayed Glass Snail	T	C	C?	C?	Wood edge	Widespread + acid woods	2	3										
<i>Oxychilus alliarius</i>	Garlic Snail	T	C	C	C	Wood edge	Widespread + acid woods				1	1		1					
<i>Oxychilus cellarius</i>	Transparent Pale Cellar Snail	T	C	C	C	Wood edge	Widespread - woods, gardens, wastes			1									
<i>Oxychilus sp</i>					C			2	2										
<i>Trochulus striolatus</i>	Strawberry Snail	T	C	C/L	C	Wood edge	Gardens, woods, hedges, roughs				1	1							
<i>Vallonia pulchella</i>	Smooth Glass Snail	T	L	NC	NC?	Wetlands	damp open habitats, wetlands, near ditch	2											
<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	12	8		5	3	2				1		1
<i>Acroloxus lacustris</i>	Lake Limpet	A	C	C	C	Wetland	Permanent ponds, canals, lakes				1		1				1		
<i>Ancylus fluviatilis</i>	River Limpet	A	C	C	C	Streams	Clean, stony streams		1	1				1					
<i>Bithynia tentaculata</i>	Operculate Snail	A	C	C	C	Wetland	Permanent ponds, canals, lakes		2	1	2		2	1	1				
<i>Potamopyrgus antipodarum</i>	Jenkin's Spire-snail	A	A	C	C	Wetland	Streams, wetlands with flow usually		1		3		3				1		
<i>Valvata piscinalis</i>	Common Valve Snail	A	C/L	L	L	Wetland	Large still or slow waterbodies		1										
<i>Valvata cristata</i>	Flat Valve Snail	A	C/L	VL	L	Wetland	Still/slow weedy wetlands/streams	2											
<i>Anisus vortex</i>	Whirlpool Ramshorn	A	C	C	C	Wetland	Permanent ponds, canals, lakes	6			7	3	4		1				
<i>Bathyomphalus contortus</i>	Twisted Ramshorn	A	C	L	L	Wetland	Mostly swampy ponds, also lakes, stream	5	2	1	1	1					1		
<i>Gyraulus albus</i>	White Ramshorn	A	C	C	C	Wetland	Permanent ponds		1		2	1	1				1		
<i>Gyraulus crista</i>	Nautilus Ramshorn	A	C	C	C	Wetland	Permanent ponds				1		1						
<i>Gyraulus laevis</i>	Smooth Ramshorn	A	NS	NC	VL	Wetland	lean ponds, lakes, sometimes new water				1		1						

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<i>Hippeutis complanatus</i>	Flat Ramshorn	A	C	C	C	Wetland	Still or slow ponds, often muddy bottom		1								1		
<i>Planorbarius corneus</i>	Great Ramshorn	A	C	C	C	Wetland	Ponds, canals, lakes	4	1	1	2		2	1	2				
<i>Planorbis carinatus</i>	Keeled Ramshorn	A	C	C	C	Wetland	Streams, river, ponds, lakes	5	3	3	2		2	3	2	1	1		
<i>Galba truncatula</i>	Dwarf Pond Snail	W	C	C	C	Wetland	ponds and marshes with some surface wa	9	3		5	3	2				1		
<i>Physa fontinalis</i>	Common Bladder Snail	A	C	C	C	Wetland	Laker, canals, large ponds	3		1				1	3				
<i>Physella acuta</i>	American Bladder Snail	A	A	C	C	Wetland	Ponds and ditches		1	1	2	1	1		1				
<i>Radix auricularia</i>	Ear-pond Snail	A	C/L	C/L	C/L	Wetland	Lakes, canals, large ponds		1	1	3		3		1				
<i>Lymnaea stagnalis</i>	Great Pond Snail	A	C	C	C	Wetland	Lakes, canals, large ponds	2	1	3	4	1	3		2		1		
<i>Ampullaceana bathica</i> ( <i>Lym pe</i>	Wandering Snail	A	C	C	C	Wetland	Ponds	3	3	4	7	3	4	2	1		1		
<i>Stagnicola palustris</i>	Marsh Snail	A	C	C	C	Wetland	Swamps	4	1	1	1	1		1			1		
<i>Anodonta cygnea</i>	Swan Mussel	L	L	L	L	Wetland	Lakes and very large ponds/reservoirs		1	1					1				
<i>Musculium lacustre</i>	Lake Orb Mussel	A	C	C	C	Wetland	Ponds and wet swamps	1		1	5		5			1	1		
<i>Sphaerium corneum</i>	Horny Orb Mussel	A	C	C	C	Wetland	Ponds and lakes	2	1	3	2		2	2	1		1		
<i>Pisidium (Euglesa) nitidum</i>	Poreless Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	1											
<i>Pisidium (Euglesa) obtusale</i>	Small-knobbed Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	1			1	1							
<i>Pisidium (Euglesa) personatum</i>	Calloused Pea Mussel	A	C	C?	C	Wetland	Ponds and ditches	2			2	1	1						
<i>Pisidium (Euglesa) pulchellum</i>	Rough Clavate Pea Mussel	A	C/L	L	L	Wetland	Ponds and ditches	2		1	1	1		1					
<i>Pisidium subtruncatum</i> ( <i>Euglesa</i>	Short-ended River Pea Mussel	A	C	C?	L	Wetland	Fast streams, fast rivers.	1											
<i>Pisidium sp</i>	Small/broken examples								3										
<i>Ambigolimax valentianus</i>	Iberian 3-banded Slug	T	A	L	L	Roughs	Gardens, now woods			1									
<i>Arion ater</i>	Black Soil Slug	T	C	C/L	C	Roughs	Almost everywhere	3	3										
<i>Arion distinctus</i>	Brown Soil Slug	T	C	C/L	C/L	Roughs	ponds, most semi-natural & disturbed hab											1	
<i>Arion hortensis</i>	Purple Soil Slug	T	C	C	C	Roughs	Most habitats	2	3										
<i>Arion flagellus</i>	Green-soled Slug	T	C	C	C	Roughs	disturbed habitats, rich soils, moors, woo	7	5	1	1	1							
<i>Arion owenii</i>	Tawny Soil Slug	T	L	NC	NC	Roughs	damp woods, pasture, roadsides, garden				1		1						
<i>Arion subfuscus</i>	Yellow-slimer Dusky Slug	T	C	C	C	Roughs	All habitats, disturbed or natural	8	6					1					
<i>Arion rufus</i>	Large Red Slug	T	C	C	C	Roughs	Almost all habitats	3	2	1									
<i>Boettgerilla pallens</i>	Worm Slug	T	A	C/L	C/L	Roughs	Cracks in soil in disturbed habitats			2									
<i>Deroceras reticulatum</i>	Netted Field Slug	T	C	C	C	Roughs	All open habitats (not big wetlands)	5	3		1	1							
<i>Deroceras invadens</i>	Tramp Slug (pale pore)	T	A	C	C	Roughs	Disturbed habitats	5	2	1	2	1	1						
<i>Deroceras laeve</i>	Marsh Slug	W	C	C	C	Wetland	Wetlands, also mountains	10	4					1					
<i>Limacus maculatus</i>	Green Cellar slug	T	A	C	C	Roughs	Buildings, forestry, farmland	1		1									

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<i>Limax cinereoniger</i>	Ash-black Slug	T	C/L	VL	VL	Wood edge	Woodland. Fungi eater	2										1	
<i>Limax maximus</i>	Leopard Slug	T	C	C	C	Wood edge	Everywhere, BL woodland preferred		1	1				1	2				
<i>Tandonia budapestensis</i>	Budapest Keeled Slug	T	A	C	C/L	Wood edge	Disturbed lowlands, wood, paths, ruins	1											
<i>Tandonia sowerbyi</i>	Sowerby's Keeled Slug	T	A	VL	L	Wood edge	Many habitats, wood edge, roughs			2									
<b>HYMENOPTERA:</b>	<b>BEES, WASPS, ANTS, SAWFLIES:</b>						<b>5 Ant species:</b>												
<i>Lasius niger</i>	Common Hairy-faced Black Ant	T	C	L	C/L	Roughs	Open habitats	2		2	2	1	1						
<i>Myrmica lobicornis</i>	Lobed-antennae Red Ant	T	L	NC	NC	Roughs	floor, lowland heath, roughs, open wood	1											
<i>Myrmica rubra</i>	Short-spined Red Ant	W+	C	L	C	Roughs	Damp open areas preferred	6	2	1					1				
<i>Myrmica ruginodis</i>	Long-spined Red Ant	T	C	C/L	C	Roughs	Most habitats, rural or urban	3	2	1									
<i>Myrmica scabrinodis</i>	Right-angle-antennaed Red Ant	W+	C/L	L	L	Wetlands	Many natural habitats, bogs.	5	3										
							<b>15 Bee species:</b>												
<i>Andrena clarkella</i>	Clarke's Mining Bee	T	C/L	C/L	C/L	Roughs	Open woods, heaths, moors, gravel pits	1	1	1									
<i>Andrena cineraria</i>	Ashy Mining Bee	T	C	C	C/L	Wood edge	Open woods, moors, river banks, quarries			2	1		1						
<i>Andrena fulva</i>	Tawny Mining Bee	T	C	C/L	C/L	Flower meadows	Open grasslands, open woodland	1		2								1	
<i>Andrena sp</i>															1				
<i>Apis mellifera</i>	Honey Bee	T	A	C	C	Flower meadows	Domesticated; some feral colonies	3	3	1	10		10						
<i>Bombus hypnorum</i>	Tree Bumblebee	T	C	C	C	Wood edge	Open woodland, gardens				10		10					1	
<i>Bombus lapidarius</i>	Large Red-tailed Bumblebee	T	C	C	C	Flower meadows	Gardens, open countryside, woodland			1	12	1	11			1		1	
<i>Bombus lucorum (stricto)</i>	White-tailed Bumblebee	T	C	C/L	C	Flower meadows	Most habitats except uplands	1			10		10			1			
<i>Bombus pascuorum</i>	Common Carder Bee	T	C	C	C	Flower meadows	Wide variety of habitats	2			12	1	11	1		1		1	
<i>Bombus pratorum</i>	Early Bumblebee	T	C	C/L	C	Flower meadows	Gardens, wood, roughs, brambles											1	
<i>Bombus terrestris ssp audax</i>	Buff-tailed Bumblebee	T	C	C	C	Flower meadows	Most habitats inc urban, not montane	2	2	2	10		10			1		1	
<i>Halictus rubicundus</i>	Orange-legged Furrow Bee	T	C/L	L	L	Flower meadows	Wide variety, esp south facing bare bank	1											
<i>Lasioglossum</i> (wing in web)										1									
<i>Nomada leucophthalma</i>	Early Nomad Bee	H+	C/L	L	L	Roughs	With A clarkella: open woods, heaths, mo	1	1	1									
<i>Osmia bicornis</i>	Red Mason Bee	T	C	C	C/L	Flower meadows	Many habitats inc urban greenspace			1								1	
<i>Xylocopa violacea</i>	Violet Carpenter Bee	T	A	NC	VL		Alien came in imported plant stems											1	
							<b>26 other Hymenoptera taxa:</b>												
<i>Anoplius nigerrimus</i>	Spider Hunting Wasp	T	C/L	VL	L	Roughs	Associated with dry grassland & scrub	1											
<i>Vespula germanica</i>	German Wasp	T	C/L	C/L	C/L	Wood edge	Underground nest; predatory; flowers	2	3	1									
<i>Vespula vulgaris</i>	Common Wasp	T	C	C	C	Wood edge	n habitats/urban. Burrows, buildings, tu	4	2						1			1	
<i>Ichneumon</i> (numerous species)		T						15	9	2	7	1	6	1		1			

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<i>Polysphincta?</i>	Ichneumon larva on Araneidae							1											
<i>Micro wasps</i> (numerous species)								10	9	2	5		5			1			
<i>Andricus foecundatrix</i>	Artichoke <b>Gall</b> Wasp	T	C	C	C	Wood edge	Oak trees		4										
<i>Andricus kollari</i>	Oak Marble (apple) <b>Gall</b> Wasp	T	C	C	C	Wood edge	Oak trees		2										
<i>Andricus quercuscalicis</i>	Oak Knopper Gall Wasp	T	A	C	C	Wood edge	Oak trees	1	2	1	1	1							
<i>Gelis sp</i> (several species)	Wingless Ichneumon	T						2			1	1							
<i>Neuroterus quercusbaccarum</i>	Common Spangle <b>Gall</b> Wasp	T	C	C	C	Wood edge	Oak trees		1		1	1		1					
<i>Neuroterus numismalis</i>	Silk Button/ Currant <b>Gall</b> Wasp	T	C	C	C	Wood edge	Oak trees		1					1					
<i>Aglaostigma fulvipes</i>	Bedstraw Sawfly	T	C	L	C/L	Wood edge	Bedstraws				3		3						
<i>Athalia cordata</i>	Yellow and Black Sawfly	T	C/L	VL	L	Roughs	Plantain etc	1											
<i>Athalia rosae</i>	Yellow and Black Sawfly	T	C/L	C/L	C/L	Roughs	Crucifers & umbellifers	1											
<i>Dolerus haematodes</i>	Black Sawfly	T	C/L	VL	NC	Roughs	Sedges and grasses				2		2			1			
<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	NC	L	Wetland	Soft Rush				1		1						
<i>Euura (Pachynematus) clitellata</i>	Meadow Sawfly	T	C	NC	VL	Roughs	Grasses, sedges, rushes				1		1						
<i>Euura (Nematus) myosotidis</i>	Clover Sawfly	T	C/L	NC	VL	Roughs	Clovers, Meadow Vetchling, Hedgerow				1		1						
<i>Euura (Pachynematus) obducta</i>	Grass Sawfly	T	C/L	NC	NC	Roughs	Poa, Festuca and other grasses		1										
<i>Hoplocampa crataegi</i>	Hawthorn Berry Sawfly	T	C/L	C(195	NC	Wood edge	Hawthorn flowers & berries				1		1						
<i>Macrophya ribis</i>	Elder Sawfly	T	C/L	C(195	NC	Wood edge	Elder				1		1						
<i>Selandria serva</i>	Yellow & Black Sawfly	W	C/L	VL	C/L	Wetland	Larvae eat grasses, rushes in Wetlands				1		1						
<i>Tenthredo mesomela</i>	Common Green Tenthredo Sawfly	T	C	L	C/L	Roughs	Willow, buttercup, willowherbs, dock et	1	1										
<i>Tenthredopsis nassata (poss scut)</i>	Grassland Tussock Sawfly	T	C	VL	C/L	Roughs	Dac glo, Des ces, Des flex			1	1		1						
<i>Phymatocera aterrima</i>	Solomon's-seal Sawfly	T	C	L	L	Roughs	Only around Solomon's-seal			1									
<i>Symphata</i> (caterpillars)	Sawfly caterpillar															1			
<b>MYRIAPODA:</b>	<b>CENTIPEDES &amp; MILLIPEDES:</b>						<b>11 Myriapod species:</b>												
<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	C	C	C	Wood edge	Decaying trees, compost heaps	1						1					
<i>Julus scandinavius</i>	Long-tailed Scored Brown Millipede	H+	C	L	L	Roughs	Acidic, uncultivated land	2											
<i>Ommatoiulus sabulosus</i>	Common Stocky Striped Millipede	H+	C	L	C/L	Roughs	ndy soils, acid woods, heaths, any habi	1	4										
<i>Ophiulus pilosus</i>	Hairy Millipede	T	C	L	C/L	Wood edge	Deciduous Woodlands	1	1										
<i>Polydesmus cf angustus</i>	Toothed Flat-backed Millipede	H+	C	C	C	Wood edge	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			1	1		1					1	

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<i>Geophilus insculptus</i>	Common Geophilus Centipede	T	C/L	NC	L	Roughs	Variety of urban & rural habitats	1											
<i>Haplophilus subterraneus</i>	Western Yellow Centipede	T	C/L	C	C	Wood edge	Woodlands, compost heaps							1					
<i>Lithobius forficatus</i>	Common Lithobius Centipede	T	C	C	C	Roughs	Urban, suburban, many rural areas	2	1	1									
<i>Lithobius variegatus</i>	Variiegated Centipede	H+	C/L	C/L	C	Roughs	Rural gardens, woods, moorland		2	2									
<b>ORTHROPTEROIDEA:</b>	<b>GRASSHOPPERS (+ EARWIG):</b>						<b>6 species:</b>												
<i>Omocestus viridulus</i>	Common Green Grasshopper	T	C	C/L	C/L	Roughs	Old grassland, damp meadows, rides	3		3									
<i>Chorthippus brunneus</i>	Field Grasshopper	H+	C	C/L	C	Roughs	Unmanaged grassland, roughs, heaths				2	2							1
<i>Grasshopper unidentified</i>	Grasshopper sp															1			
<i>Tetrix subulata</i>	Slender Groundhopper	W	C/L	C/L	C	Wetland	Wetland edge habitats	1			1		1						
<i>Tetrix undulata</i>	Common (Crested) Groundhopper	H+W+	C	VL	C	Wetland	Wetland, heath, moist forest, bare areas	1											
<i>Roeseliana roeselii</i>	Roesel's Bush-cricket	T	C-L	L	VL	Roughs	Rough, ungrazed grassland & scrub				1	1							
<i>Forficula auricularia</i>	Common Earwig	T	C	C	C	Wood edge	Forests, agricultural, suburban areas	2	6	1	1		1	1					
<b>ARACHNIDA:</b>	<b>SPIDERS, HARVESTMEN, MITES:</b>						<b>81 Spider species:</b>												
<i>Amaurobius similis</i>	Similar Laceweb Spider	T	C/L	C/L	C/L	Wood edge	By /in houses, bark, logs, stones, bushes	1											
<i>Antistea elegans</i>	Marsh Combtail	W	C/L	L	L	Wetland	Reeds, marshes, bogs	3			1	1							
<i>Argyroneta aquatica</i>	Water Spider	A	L	L	L	Wetland	Ponds, lakes, canals	1						1	2				
<i>Agalenatea redii</i>	Ruddy Orbweb Spider	H+	L	VL	L	Roughs	Heather, Gorse, roughs, damp grass	2	1	1									
<i>Araniella cucurbitana</i>	Common Cucumber Spider	T	C	VL	C/L	Wood edge	Trees, woods, hedges							1					
<i>Araniella opisthographa</i>	Banded Cucumber Spider	T	C/L	VL	L	Wood edge	Woods, scrub, hedges				5		5						
<i>Araneus diadematus</i>	Garden Cross Orb-web Spider	T	C	C	C	Roughs	Wide range of habitats	2	3							1			
<i>Araneus quadratus</i>	4-spot Orb-web Spider	T	C/L	C	C	Roughs	Tall grasses, heather, gorse	2	1	1				1					
<i>Eratigena (Tegenaria) saeva</i>	Large House Spider	T	C/L	L	C/L	Roughs	House, garden, tree trunks, rocks	1											
<i>Larinioides cornutus</i>	Shield Orb-web Spider	W	C	C	C	Wetland	Marshes, reeds, damp grass	5	4	3	5		5	1		1			
<i>Larinioides sclopetarius</i>	Bridge Orb-web Spider	W	L	L	L	Wetland	On bridges, building, fences near water											1	
<i>Nuctenea umbratica</i>	Walnut Orb-web Spider	T	C/L	C	C	Wood edge	Buildings, dead wood.		1										
<i>Zygiella x-notata</i>	Missing-sector Orb-web Spider	T	C	C/L	C	Roughs	Buildings, gardens				1		1						
<i>Dictyna arundinacea</i>	Yellow & Brown Meshweaver Spider	H+	C/L	L	C/L	Wood edge	roughs, wood edges, hedges, Gorse/Heath	3	3	1									
<i>Ero cambridgei</i>	Pirate Spider	T	C	VL	L	Wood edge	Bushes, trees low vegetation	1											
<i>Pirata piraticus</i>	Cabin Hooks Otter Spider	W	C	C	C	Wetland	Wetlands, bogs	3	2		3	1	2						
<i>Pirata sp</i>	Juvenile Otter Spiders	W		C										1					
<i>Pardosa amentata (very banded)</i>	Lump-hammer Wolf Spider	T	C	L	C	Roughs	Wide range, inc gardens	6	5										
<i>Pardosa nigriceps</i>	Cup & Cap Wolf Spider	H+	C/L	L	L	Roughs	Roughs, heaths, open woods, verges		1										

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<i>Pardosa pullata</i>	Bolster-chisel Wolf Spider	H+	C	C/L	C	Roughs	Grass, heath, moor, woods, waste	3	3		4		4						
<i>Pardosa sp</i>	Wolf Spider (not determinable)									1		1							
<i>Trochosa terricola</i>	Dark-fore-legged Wolf Spider	T	C	C/L	C/L	Roughs	Woods, roughs, heaths, wastes	1	1	1									
<i>Pisaura mirabilis</i>	Nurseryweb Spider	H+	C/L	C	C	Roughs	Grassland, heaths, open woods		2	1								1	
<i>Clubiona diversa</i>	Hoof-palped Yellow Sac Spider	W	C/L	L	L	Wetland	Dry habitats in South Eng, bogs in Nort	1											
<i>Clubiona lutescens</i>	Chevrons & Spots Red Sac Spider	W+	C/L	L	C/L	Wood edge	Low veg, bushes, trees, often damp		1					1					
<i>Clubiona pallidula</i>	Red & Yellow Sac Spider	T	L	VL	C/L	Wood edge	Trees, shrubs, gardens				1		1						
<i>Clubiona phragmitis</i>	Reedbed Sac Spider	W	C/L	L	C	Wetland	Wetlands	4	2		4	1	3						
<i>Clubiona reclusa</i>	Red Brown Paper Fan Sac Spider	T	C	C/L	C	Wetland	Low veg, tall herb, damp, many sites	3											
<i>Clubiona sp</i>	Pale juveniles									1				1					
<i>Euophrys frontalis</i>	a Jumping Spider	T	C/L	L	C/L	Roughs	Leaf litter, stones, debris: roughs + wood	1											
<i>Salticus scenicus</i>	Wall Jumping Spider	T	C/L	C	C/L	Roughs	Mainly houses, also rocks, posts, bark	1											
<i>Metellina mengei</i>	Stripe-bellied Spider	T	C	C/L	C	Wood edge	Bushes, vegetation etc to 2m	1	3	1									
<i>Metellina merianae</i>	Banded-legged Spider	W	C	C/L	C/L	Wetland	By streams, caves, damp woods	1			1		1						
<i>Metellina segmentata</i>	Stripe-bellied Spider	T	C	C	C/L	Wood edge	Bushes, vegetation etc to 2m		2					1					
<i>Metellina</i>																			
<i>Pachygnatha clerki</i>	Tooth-fanged Long-jawed Hunting	W	C	C	C	Wetland	Marshes. By water	9	1		2	1	1	1					
<i>Pachygnatha degeeri</i>	Least Long-jawed Hunting Spider	T	C	C/L	C/L	Wood edge	Woodland rides to derelict land	3	1	1									
<i>Tetragnatha extensa</i>	Banded V-marked Long-jawed We	W	C	C	C	Wetland	Low veg close to/ over water	9	6	3	11		11	1		1			
<i>Tetragnatha montana</i>	Paler solid-coloured Long-jawed W	T	C	C	C	Wood edge	Low veg, bushes, trees	3	3	2	7		7	1		1			
<i>Tibellus oblongus</i>	Less-spotted Tibellus	H+	C/L	L	L	Roughs	Roughs, marshland, heaths		1	1									
<i>Neottiura bimaculata</i>	Three-banded Therid Spider	T	C/L	C/L	C	Wood edge	Low veg, bushes, trees	3		1	1		1						
<i>Paidiscura pallens</i>	Sputnik Spider	T	C/L	L	C	Wood edge	Oak trees. Distinctive egg sack		2	2				1					
<i>Phylloneta impressa</i>	Therid Spider	T	L	L	L	Wood edge	Gorse, oak, nettles, thistles			1									
<i>Phylloneta sisypbia</i>	Mothercare (net-patterned) Therid	H+	C/L	C/L	C	Wood edge	Gorse + Heather, also scrub + tall herb	1	4	2	4		4			1			
<i>Theridion cf pictum</i>	Arrowed Therid Spider	T	L	VL	L	Wood edge	Wetland, roughs, scrub	1											
<i>Theridae</i>														1					
<i>Robertus lividus</i>	Small Brown Spider	T	C	L	L	Roughs	Ground layer many habitats	1											
<i>Philodromus aureolus</i>	Common Running Crab Spider	T	C/L	VL	C/L	Wood edge	Trees, scrub, hedge, woods			1									
<i>Philodromus aureolus group</i>	Running Crab Spider juveniles							1	3	1									
<i>Philodromus dispar</i>	Dimorphic Running Crab Spider	T	C/L	C/L	C	Wood edge	Vegetation, bushes, lower parts of trees			1	1		1						
<i>Xysticus cristatus</i>	Common Anchor Crab Spider	T	C	C/L	C	Roughs	Low vegetation but not woodland	6	4	4	1		1						

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<i>Agyneta decora</i> (R Gallon)	Spanner-tipped Cone-palp Money S	T	L	VL	VL	Roughs	Heaths, roughs, woods, wetlands	1										
<i>Allomengea vidua</i>	Complex Money Spider	W	NS	VL	VL	Wetland	Swamp, fen, marsh	1	1		1	1						
<i>Baryphyma trifrons</i>	Yellow-legged Dark-bodied Money	W	L	L	VL	Wetland	ens, marshes, swamps, damp grass, dun			1		1			1			
<i>Bathyphantes approximatus</i>	Moustached Money Spider	W	L	C/L	C	Wetland	Ground layer in wetlands/wet woodland	7			1	1						
<i>Bathyphantes gracilis</i>	Wide-loop Money Spider	T	C	C	C	Roughs	Roughs, heaths, woods, marsh	2	2		1	1		1				
<i>Bathyphantes parvulus</i>	No-loop Money Spider	W+	C/L	L	L	Wetland	Grassland - acid, chalk, heath, marsh	2			1	1						
<i>Ceratinella brevipes</i>	Small-capped-abdomen Money Spi	W+	C	L	L	Wood edge	Woods, heath, grassland, wetland	1										
<i>Centromerita concinna</i>	Hairy-wristed Brown Money Spide	W+	L	L	L	Wetland	Woodland, wetland, heath, moor	1										
<i>Cnephalocotes obscurus</i>	Saw-edged-palp Black/Yellow Mor	T	C/L	C/L	C/L	Roughs	Detritus, moss, other vegetation	2	5				1					
<i>Dicymbium nigrum</i>	Orange & Brown Money Spider	W+	C/L	L	C/L	Wetland	Bogs, marsh, wood, heath, roughs		1									
<i>Diplocephalus permixtus</i>	Groove-faced Money Spider	W	C/L	C/L	C/L	Wetland	Wide variety of marshy habitats	3					1					
<i>Dismodicus bifrons</i>	Squat Black Money Spider	T	C	C/L	C/L	Roughs	Roughs, fens, scrub	1										
<i>Erigone atra</i>	Aeronaut Money Spider	T	C	C/L	C	Roughs	Aeronaut. Many wild habitats	1		1								
<i>Erigone dentipalpis</i>	Armoured Money Spider	T	C	C/L	C	Roughs	All manner of habitats	2			1		1					
<i>Gnathonarium dentatum</i>	Pelican-palped Money Spider	W	C/L	L	C/L	Wetland	lowland wetlands, inundation grassland	12	3		1	1		1				
<i>Gongylidium rufipes</i>	Orange & Yellow-legged Money sp	W+	C/L	L	C/L	Wood edge	rees, Bushes, undergrowth, wetlands et						1					
<i>Hypomma bituberculatum</i>	Orange & Grey Yellow-legged Mor	W	C	C	C	Wetland	Swamps by rivers & ponds	8	1		1	1		1				
<i>Linyphia hortensis</i>	Dark-headed Purple-backed Linyph	T	C/L	L	C	Wood edge	Hedges, woodland, low plants		1	1			1					
<i>Linyphia triangularis</i>	Oakleaf-patterened Linyphid Spide	T	C	C/L	C	Wood edge	Bushes and low vegetation	5										
<i>Lophomma punctatum</i>	Punctured Money Spider	W	C/L	L	C/L	Wetland	Carr, bog, Phragmites reedbed	3			1	1						
<i>Microlinyphia pusilla</i>	Brown spotted Linyphid Spider	W	C	L	C	Wetland	Roughs, damp grassland	1			1		1					
<i>Monocephalus fuscipes</i>	Yellow+ Brown Money Spider	T	C	L	C/L	Wood edge	leaf litter in woods, heath, grass, quarry		1									
<i>Neriere clathrata</i>	W-marked Linyphid Spider	T	C/L	C/L	C	Wood edge	Wide range in leaf litter and low veg	1										
<i>Neriere montana</i>	Purple Oak-leaf Money Spider	T	C/L	C	C	Wood edge	low vegetation in woods & shady place		1				1					
<i>Neriere peltata</i>	Purple-banded Linyphid Spider	T	C	L	C	Roughs	Low vegetation, bushes, open habitats		1									
<i>Oedothorax fuscus</i>	Brown Money Spider (seen by Rich)	T	C	C/L	C	Roughs	Grassland, wetland, woodland, heath	5		1								
<i>Oedothorax retusus</i>	Two-pitted Money Spider	T	C	C/L	C	Roughs	Grassland, farmland grass	3										
<i>Oedothorax sp</i>		T							4		1	1						
<i>Pelecopsis parallelus</i>	Scutumed Fingered Money Spider	T	C/L	VL	VL	Flower meadows	Grasslands, moss, detritus, stones	1										
<i>Silometopus elegans</i>	Brown Money Spider	W	C/L	L	L	Wetland	Grass, moss, undergrowth, marshes		1									
<i>Tallusia experta</i>	Fingered Money Spider	W	C/L	VL	L	Wetland	Carr, bog, fen, reeds, wet meadows	5										
<i>Tenuiphantes tenuis</i>	Bolas Linyphid Spider (was Lepthy)	T	C	C/L	C	Roughs	w veg, moss, leaf litter, grassland, wetla	4		1								

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<i>Tenuiphantes zimmermanni</i>	Spots-n-stripes Linyphid Spider (w	H+	C	C/L	C	Wood edge	Litter and logs in Woods. Heaths	2										
<i>Tenuiphantes sp</i>	Linyphid Spider							1										
<i>Tmeticus affinis</i>	Orange & Grey Money Spider	W	NS	NC	VL	Wetland	Moss/grass in wet swamps	1										
<i>Walckenaeria acuminata</i>	a Periscope Money Spider	W	C/L	L	C/L	Wetland	Wood, scrub, heath, wetland			1	1							
<i>Walckenaeria unicornis</i>	Unicorn Money Spider	W	C/L	C/L	C/L	Wetland	Marshy veg and tall herb and scrub	1					1					
<i>Walckenaeria nudipalpis</i>	a Periscope Money Spider	W	C/L	L	C/L	Wetland	Damp wood, moor, marsh, swamp		1	1	1							
							<b>8 Harvestman species:</b>											
<i>Dicranopalpus ramosus</i>	Moroccan Fork-palped Harvestman	T	A	VL	C	Roughs	Gardens, brownfield		1									
<i>Leiobunum blackwalli</i>	Smooth-faced Harvestman	T	C	C/L	L/C	Wood edge	Most habitats esp woods, gardens	1	1				1					
<i>Leiobunum rotundum</i>	Orange & Black Harvestman	H+	C	L	C	Wood edge	Woods, hedges, rocks, gardens, heath	1										
<i>Nemastoma bimaculatum</i>	Two-spot Harvestman	T	C	C	C	Roughs	Most habitats inc woods and roughs	1	4				1					
<i>Oligolophus hanseni</i>	Dark-eyed Harvestman	T	C/L	VL	L	Wood edge	Woodlands, Wooded gardens	2	1									
<i>Oligolophus tridens</i>	Short-saddled Harvestman	T	C	L	C	Roughs	Most habitats, woods, gardens, roughs	5	5									
<i>Paroligolophus agrestis</i>	Pincered Harvestman	T	C	C	C	Roughs	Most habitats inc woods and roughs	3	3		1	1	1					
<i>Platybunus (Rilaena) triangula</i>	Low-crowned Harvestman	T	C	C/L	C/L	Wood edge	Wood, grassland, bushes	1										
							<b>17 Mite taxa:</b>											
<i>Anystidae</i>	Long-legged Soft Red Mite	T				Roughs	Ground layer		1									
<i>Camisiidae</i>	Three-lined fringed Beetle Mite	T				Roughs	Ground layer	6	3									
<i>Pachylaelapidae</i>	Spurred-leg Mite	T				Roughs	Ground layer	2										
<i>Parasitidae</i>	Hard Yellow Mite	T				Roughs	Ground layer	5	6				1					
<i>Poecilochirus sp</i>	Phoretic Mite 50/50 on beetles	T				Roughs	Ground layer	2	2									
<i>Galumnidae</i>	Forward-pointed-wing Mite	T				Roughs	Ground layer	1										
<i>Mycobatidae</i>	Round-winged Mite					Roughs	Ground layer	1										
<i>Euzetes globulus (nitens?)</i>	1mm Large Helmet Mite	T	C	C?	C	Roughs	Ground layer	3	8				1					
<i>Damaeus sp</i>	Hairy-legged Mite	T				Roughs	Ground layer	1	1									
<i>Bdellidae</i>	Snout Mite	T				Roughs	Ground layer	4	1									
<i>Erythraeidae</i>	1.5mm Soft Velvet Mite	T				Roughs	Ground layer	2	3									
<i>Macrochelidae</i>	Pale-fringed Orange Hard Mite	T				Roughs	Ground layer		1									
<i>Olgasamidae</i>	50/50 Orange Hard Mite	T				Roughs	Ground layer	1	3									
<i>Parasitidae</i>	Orange Hard Mite	T				Roughs	Ground layer		1									
<i>Platynothrus peltifer?</i>	Beetle Mite	T				Roughs	Ground layer		1									
<i>Trombidiidae</i>	Red Velvet Mite						Ground layer		2									

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<i>Aceria iteina</i>	Mushroom Gall Grey Willow Mite	W	L?	L?	L?		Wetland	On Grey Willow	1										
<b>MICROCRUSTACEA:</b>	<b>MICROCRUSTACEANS:</b>							<b>10 taxa:</b>											
<i>Ceriodaphnia setosa</i>	Prickled Small-headed Water Flea	A	Rare	NC	NC		Wetland	Amongst pondweed			1	1							
<i>Daphnia pulex</i>	Few-spined Water Flea	A	C	C	C		Wetland	Small ponds and ditches	3		3	3							
<i>Eurycerus lamellatus</i>	Notch-footed Water Flea	A	C/L	L	L		Wetland	Lakes and large ponds; slow rivers	5										
<i>Sida crystallina</i>	Barbapapa Water Flea	A	L	NC	L		Wetland	By shores of ponds, lakes with veg		1									
<i>Simocephalus expinosus</i>	Blob-eyed Water Flea	A	C	C	C		Wetland	Small ponds and ditches	2		2	2							
<i>Simocephalus vetulus</i>	Elongate-eyed Water Flea	A	C	C	C		Wetland	Small ponds and ditches	4	1									
<i>Cyclops spp</i>	Cyclopic Copepods	A					Wetland	Standing waters/wet marshes	7	1	3	2	1						
<i>Cypridopsis vidua</i>	Small Banded Ostracod	A	C?	C?	C?		Wetland	Small ponds and ditches			1	1							
<i>Heterocypris incongruens</i>	Lined Brown Ostracod	A	C/?	C?	C?		Wetland	Small ponds/ditches, smaller habitats	1										
<i>Herpetocypris reptans</i>	Large Marbled Seed Shrimp	A	C	C	C		Wetland	Ponds	6										
<b>MALACOSTRACA :</b>	<b>CRUSTACEANS:</b>							<b>8 taxa:</b>											
<i>Pacifastacus leniusculus</i>	Signal Crayfish	A	C/L	C/L	C/L		Wetland	Rivers, canals, lakes							1			1	
<i>Asellus aquaticus</i>	Common Hoglouse	A	C	C	C		Wetland	Wide variety of waterbodies	9	3	4	10	4	6	4	1	1	1	
<i>Crangonyx pseudogracilis</i>	American Freshwater Shrimp	A	A	C	C		Wetland	Wide variety of waterbodies	10	1	4	8	4	4	3	1		1	
<i>Gammarus pulex</i>	Freshwater Shrimp	A	C	C	C		Wetland	Running water mostly/large waterbodies	1	2	4				1				
<i>Oniscus asellus</i>	Common Shiny Woodlouse	T	C	C	C		Roughs	All damp habitats, woods, logs, gardens	1	3		1	1						
<i>Philoscia muscorum</i>	Common Striped Woodlouse (head	T	C	C	C		Roughs	Hedges, roughs, woods, gardens	4	6	1	4	2	2					
<i>Porcellio scaber</i>	Common Rough Woodlouse	T	C	C	C		Roughs	Wide range, drier than <i>Oniscus</i>	4	1	1	1	1						
<i>Trichoniscus provisorius agg</i>	Common Pigmy Woodlouse	T	C	C	C		Roughs	Damp soil and deep leaf litter	3	3		1	1						
<b>MEGALOPTERA:</b>	<b>LACEWINGS &amp; SCORPION FLIES:</b>							<b>6 taxa:</b>											
<i>Chrysoperla carnea</i>	a Green Lacewing	T	C	L	C		Wood edge	Anywhere aphids found		2		1		1					
<i>Hemerobius lutescens</i>	a Brown Lacewing	T	C/L	L	C/L		Wood edge	Often associated with deciduous trees	2										
<i>Hemerobius micans</i>	Clear-dashed Brown Lacewing	T	C	L	C/L		Wood edge	Oak trees							1				
<i>Coniopteryx sp (1 of 5 spp)</i>	Waxwing (female)	T	L	NC	VL		Wood edge	Tall herbage. Foliage.	1			1		1					
<i>Parnopa germanica (S H 27/6/)</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	3	1		4	1	3				1	
<b>EPHEMEROPTERA:</b>	<b>MAYFLIES:</b>							<b>3 species:</b>											
<i>Baetis rhodani</i>	Common Stream Mayfly	A+	C	C	C		Streams	Riffles in streams & rivers	1	1					1				
<i>Baetis vernus</i>	Medium Olive Mayfly	A+	C/L	NC	L		Streams	Pools/margins rivers/streams	1										
<i>Cloeon dipterum</i>	Pond Olive Mayfly	A+	C	C	C		Wetland	Ponds	2	1	3	11	3	8	1		1	1	

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<b>PLECOPTERA:</b>	<b>STONEFLIES:</b>						<i>1 species:</i>												
<i>Nemurella pictetii</i>	Stonefly	A+	C/L	L	L	Wetland	Still or slow water with emergents	1											
<b>TRICHOPTERA:</b>	<b>CADDISFLIES:</b>						<b>22 Caddisfly species:</b>												
<i>Agapetus fuscipes</i>	Tiny Grey Sedge Caddis	A+	C	C/L	C	Wetland	Stony flows, from trickles to rivers				1		1						
<i>Beraea maurus</i>	Three-hook Caddis	A+	C/L	L	C/L	Streams	Moss/fallen leaves in springs/trickles		2										
<i>Beraea pullata</i>	Two-hook Caddis	A+	C/L	C/L	C/L	Streams	Vegetated marshes, springs, stream edge	3											
<i>Chaetopteryx villosa</i>	Hairy round-winged caddis	A+	C	C/L	C/L	Wetland	Stony/weedy streams, rivers, upland lake	2											
<i>Glyptotaelius pellucidus</i>	Mottled Sedge Caddis	A+	C	C/L	C	Wetland	Still/slow water with fallen leaves	4			2	2							
<i>Limnephilus binotatus</i>	Two-spotted Caddis	A+	NS	L	L	Wetland	Ponds, fens, reedswamps drying in summer	1											
<i>Limnephilus flavicornis</i>	Golden-horned Caddis	A+	C	C	C	Wetland	Ponds	1			2	1	1						
<i>Limnephilus marmoratus</i>	Marbled Caddis (L fav gp)	A+	C	C	C	Wetland	Ponds	2			1		1						
<i>Limnephilus flavicornis</i> group	Caddis case (unidentifiable)	A+				Wetland	Ponds		1	2				1	1		1		
<i>Limnephilus decipiens</i>	Deceiving Caddis	A+	C/L	NC	L	Wetland	Lakes, slow rivers, canals	1											
<i>Limnephilus hirsutus</i>	Hairy Trickle Caddis	A+	NS	L	VL	Wetland	Small, bare, muddy trickles near erosion	1											
<i>Limnephilus lunatus</i>	Crescent-moon Caddis	A+	C	C	C	Wetland	Streams, ponds, lakes, marshes	5	2	1									
<i>Limnephilus sp</i>	8x3mm sand case	A+				Wetland				1									
<i>Micropterna lateralis</i>	Brown Stream Caddis	A+	C	C/L	C	Streams	Small temporary streams/ditches		1										
<i>Micropterna sequax</i>	Brown & Yellow Stream Caddis	A+	C	C	C	Streams	Small streams, can be semi-permanent		2	1									
<i>Phryganea bipunctata</i>	Four-spotted Lake Caddis	A+	C	C	C	Wetland	Ponds, lakes, canals				1		1						
<i>Phryganidae</i>		A+								1									
<i>Potamophylax cingulatus</i>	Pale-eyed River caddis	A+	C/L	C/L	C/L	Streams	Streams and rivers		1										
<i>Potamophylax latipennis</i>	Brown-eyed River Caddis	A+	C	C/L	C/L	Streams	Streams, rivers, lakes		1										
<i>Potamophylax latipennis/cingulatus</i>		A+							1										
<i>Potamophylax rotundipennis</i>	Broad-winged River Caddis	A+	L	L?	L?	Streams	Streams and small rivers		1										
<i>Sericostoma personatum</i>	Multi-hooked Cased Caddis	A+	C	C/L	C/L	Streams	Rivers, streams, stony lakes		1					1					
<i>Hydropsyche angustipennis</i>	Dark Brown Caseless Caddis	A+	C	C	C	Streams	Rivers, streams, lake outfalls		1					1					
<i>Plectrocnemia conspersa</i>	Brown net-&-spot Caddis	A+	C	C/L	C/L	Streams	Upper-reaches of streams	3											
<i>Rhyacophila dorsalis</i>	Branched Gill Caddis	A+	C	C	C	Streams	Clean rivers & streams		1										
<i>Tinodes waeneri</i>	Brown Caddis (caseless)	A+	C	C	C	Streams	Stony lakes, slow rivers mainly		1										
<b>ODONATA:</b>	<b>DRAGONFLIES &amp; DAMSELFLIES:</b>						<b>14 Dragonfly &amp; Damselfly species:</b>												
<i>Aeshna cyanea</i>	Southern Hawker Dragonfly	A+	C	C	C	Wetland	Ponds + margins	1	1	1	2		2	1		2	1		1
<i>Aeshna grandis</i>	Brown Hawker Dragonfly	A+	C/L	C	C	Wetland	Ponds + margins	2	1	1	5	1	4	1		2	1		

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<i>Aeshna juncea</i>	Common Hawker	A+	C/L	C	C	Wetland	Pond + margins acid-neutral	1	1							1			
<i>Anax imperator</i>	Emperor Dragonfly	A+	C	C	C	Wetland	Deeper Ponds + margins		1	1	5	1	4						
<i>Calopteryx splendens</i>	Banded Demoiselle	A+	C	C	C	Wetland	Clean rivers											1	
<i>Libellula depressa</i>	Broad-bodied Chaser Dragonfly	A+	C	C/L	C	Wetland	Shallow muddy bottom ponds + margin				1	1				1			
<i>Libellula quadrimaculata</i>	Four-spot Chaser Dragonfly	A+	C	C/L	C	Wetland	Well-vegetated ponds + margins												
<i>Orthetrum cancellatum</i>	Black-tailed Skimmer	A+	C/L	L	C	Wetland	New bare ponds			1								1	
<i>Sympetrum striolatum</i>	Common Darter Dragonfly	A+	C	C	C	Wetland	Ponds + margins	2	1		5	1	4						
<i>Lestes sponsa</i>	Emerald Damselfly	A+	C	C/L	C	Wetland	Ponds + margins			1	1		1						
<i>Enallagma cyathigerum</i>	Common Blue Damselfly	A+	C	C	C	Wetland	Deep, substantial ponds/lakes		1	1									
<i>Coenagrion puella</i>	Azure Damselfly	A+	C	C	C	Wetland	Ponds + margins	1		2	3		3						1
<i>Ischnura elegans</i>	Blue-tailed Damselfly	A+	C	C	C	Wetland	Ponds + margins	2	1	1	5		5			1	1		1
<i>Pyrrosoma nymphula</i>	Large Red Damselfly	A+	C	C	C	Wetland	Swampy ponds + margins		1										
<b>HEMIPTERA:</b>	<b>WATER BUGS:</b>						<b>26 Water Bug species:</b>												
<i>Velia caprai</i>	Water Cricket	A	C	C	C	Wetland	Mostly rivers/streams: little vegetation	3		2				1			1		
<i>Microvelia reticulata</i>	Lesser Water Cricket	A	C	L	L	Wetland	Marshy margins of ponds				1		1						
<i>Gerris lacustris</i>	Common Pond Skater	A	C	C	C	Wetland	Lake, pond also river			3	3		3						
<i>Gerris lateralis</i>	Silver-spotted Pond Skater	A	L	L	L	Wetland	Swampy ponds. Big sites				1	1							
<i>Gerris odontogaster</i>	Toothed Pond Skater	A	C	C	C	Wetland	Permanent ponds, lakes			1	1	1		1					
<i>Gerris thoracicus</i>	Yellow Pond Skater	A	C	C	C	Wetland	Open permanent ponds/ lakes		1		1		1						
<i>Gerris sp</i>								1								1			
<i>Corixa panzeri</i>	Smaller Darker Water Boatman	A	C/L	VL	L	Wetland	Deeper, barer alkaline ponds				1		1						
<i>Corixa punctata</i>	Common Water Boatman	A	C	C	C	Wetland	Permanent ponds	2	1	2	9	2	7	2			1		
<i>Callicorixa praeusta</i>	Black-footed Lesser Water Boatman	A	C	C	C	Wetland	Permanent ponds	3		2	2	1	1	1					
<i>Hesperocorixa linnaei</i>	Fully-striped Lesser Water Boatman	A	C	C	C	Wetland	Permanent ponds	2		2	1		1	1					
<i>Hesperocorixa sahlbergi</i>	Pale-patched Lesser Water Boatman	A	C	C	C	Wetland	Ponds and wet swamps	2		2	3		3						
<i>Sigara distincta</i>	Two-rowed Lesser Water Boatman	A	C/L	C	C	Wetland	Permanent ponds	1		2	2		2						
<i>Sigara dorsalis</i>	Pale-shouldered Water Boatman	A	C	C	C	Wetland	Permanent ponds	2	1	3	2		2						
<i>Sigara falleni</i>	Triangular-paddled Water Boatman	A	C/L	C	C	Wetland	Permanent ponds	2	1	2	3	1	2						
<i>Sigara fossarum</i>	Two-spotted Water Boatman	A	C/L	C	L	Wetland	Permanent ponds/swamps			1	1		1						
<i>Sigara lateralis</i>	Dark-clawed Yellow Water Boatman	A	C	L?	C	Wetland	Permanent ponds often with bare clay	2			1		1			1			
<i>Sigara limitata</i>	Twin-black-lined Water Boatman	A	C/L	C	L	Wetland	Permanent ponds	1			2	1	1						
<i>Sigara nigrolineata</i>	Zebra Water Boatman	A	C	C	C	Wetland	Permanent ponds	2			2	1	1						

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<i>Sigara semistriata</i>	6-banded Lesser Water Boatman	A	L	L	L	Wetland	Lakes, ponds, rivers below neutral pH			1	2	1	1					
<i>Notonecta glauca</i>	Common Backswimmer	A	C	C	C	Wetland	Permanent ponds	2	1	3	11	3	8	3	1	1	2	
<i>Notonecta maculata</i>	Spotted Backswimmer	A	C/L	L	VL	Wetland	Permanent ponds with bare clay/rocks				2		2					
<i>Notonecta obliqua</i>	Black Backswimmer	A	C/L	VL	VL	Wetland	Permanent ponds in acidic areas				5		5					
<i>Notonecta viridis</i>	Ivory X-marked Backswimmer	A	C/L	L	L	Wetland	Permanent open ponds	1		1	4	2	2			1		
<i>Hydrometra stagnorum</i>	Common Water Measurer	A	C	C	C	Wetland	Permanent ponds	6	1		3		3	1			1	
<i>Ilyocoris cimicoides</i>	Saucer Bug	A	C/L	VL	C	Wetland	Permanent ponds			1	3	1	2		1			
<i>Nepa cinerea</i>	Water Scorpion	A	C	C	C	Wetland	Permanent and semi-permanent ponds	3	1	2	3		3		1	1	1	
<b>HEMIPTERA:</b>	<b>LAND BUGS:</b>						<b>2 Shorebug species:</b>											
<i>Chartoscirta cincta</i>	Narrow-necked Shorebug	W	C/L	VL	L	Wetland	Swamps, acid & alkaline	4			4	3	1	1				
<i>Saldula saltatoria</i>	Common Shorebug	W	C/L	L	C/L	Wetland	Pond and ditch margins. Predator.		1									
							<b>4 Shieldbug species:</b>											
<i>Acanthosoma haemorrhoidale</i>	Hawthorn Shieldbug	T	C	C	C	Wood edge	Hawthorn + Oak, Hazel, Birch	1			1		1					
<i>Dolycoris baccarum</i>	Sloe (Hairy) Shieldbug	T	C	C/L	C	Wood edge	saceae. Many habitats, hedges, wood edge	2	2	1								
<i>Palomena prasina</i>	Green Shieldbug	T	C	C	C	Wood edge	Trees and shrubs, inc gardens	1	3	1								
<i>Picromerus bidens</i>	Spiked Shieldbug	H+	C		C/L	Heaths	Heaths, downs, flower-rich meadows		1									
							<b>2 Lacebug species:</b>											
<i>Dictyla convergens</i>	Forget-me-not Lacebug	W+	L	NC	C(198)	Wetland	Water Forget-me-not flowers	1										
<i>Tingis ampliata</i>	Creeping Thistle Lacebug	T	C/L	VL	L	Roughs	Creeping Thistle				1		1			1		
							<b>1 Rhopalid Bug species:</b>											
<i>Myrmus miriformis</i>	Red and Green Rhopalid Bug	T	C/L	VL	NC	Wetland	Grass leaves/seeds dry/damp grassland	1										
							<b>5 Flower Bug species:</b>											
<i>Anthocoris nemoralis</i>	Banded Flower Bug	T	C/L	VL	C	Wood edge	Deciduous trees with insects		3		1		1					
<i>Anthocoris nemorum</i>	2-spotted all-shining Flower Bug	T	C	C	C	Roughs	Lower vegetation with insects	3	5	2	5		5	1		1		
<i>Orius laevigatus</i>	4-haired pale-legged Flower Bug	T	L	NC	VL	Roughs	Grasslands, roughs			1								
<i>Orius niger</i>	4-haired mostly-dark Flower Bug	H+	L	NC	VL	Roughs	Low vegetation, heaths			1								
<i>Orius majusculus</i>	Larger un-haired Flower Bug	W	L	NC	L	Roughs	Wetlands, grasslands, roughs	1						1				
							<b>29 Plant Bug species:</b>											
<i>Apolygus lucorum</i>	Mugwort Plant Bug	T	C/L	VL	VL	Roughs	Nettle, Mugwort, Hemp-agrimony	1										
<i>Bryocoris pteridis</i>	Long-antennaed Fern Bug	T	C/L	L	L	Wood edge	Damp woodlands with ferns	1	1				1					
<i>Campyloneura virgula</i>	Red & Yellow-spotted Plant Bug	T	C/L	L	L	Wood edge	Predatory. Hazel, Hawthorn, Oak										1	
<i>Closterotomus norwegicus</i>	Potato Green-heart Capsid	T	C	C/L	C	Flower meadows	Nettles, composites, clover, buds + fruit			1								

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<i>Closterotomus trivialis</i>	Mediterranean Capsid	T	A	VL	VL	Flower meadows	Many types of flowering plants											1	
<i>Cyllecoris histronius</i>	Oak Plant Bug	T	C/L	NC	C	Wood edge	Feeds on Oak aphids and buds				1		1						
<i>Cyrtorhinus caricis</i>	Green & Brown Plant Bug	W	L	VL	VL	Wetlands	Wetlands, sedges, rushes	1											
<i>Dicyphus epilobii</i>	Red-antennaed Willowherb Plant Bug	T/W	C/L	VL	C/L	Wetland	Great Willowherb (damp areas)	1	1										
<i>Dicyphus globulifer</i>	Campion Plant Bug	T	C/L	NC	VL	Wood edge	on Red & White Campions			1									
<i>Dicyphus stachydis</i>	Hedge Woundwort Plant Bug	T	C	VL	L	Wood edge	Hedge Woundwort			1									
<i>Europiella artemisiae</i>	Mugwort Bug	T	L	NC	NC	Roughs	Mugwort			1									
<i>Grypocoris styxi</i>	Black, Yellow & Orange Plant Bug	T	C/L	C/L	C	Wood edge	Woodland nettles and umbellifers			1	8		8						
<i>Heterogaster urticae</i>	Grey Nettle Bug	T	C/L	L	L	Wood edge	Nettles			1									
<i>Heterotoma planicornis</i>	Huge-antennaed Grassbug	T	C/L	C/L	C	Wood edge	Trees, herbs, nettles, fruit, buds, insects				1		1						
<i>Leptopterna dolabrata</i>	Large Dimorphic Meadow Plant Bug	T	C	C/L	C	Wetland	Grasses, esp damper sites			2	9		9			1			
<i>Liocoris tripustulatus</i>	Three-spotted Nettle Plant Bug	T	C	C	C	Wood edge	Nettles	3	2	1	6		6	1					
<i>Lygocoris pabulinus</i>	Common Green Capsid (pale tibiae)	T	C	L	C	Wood edge	Woody plants + herbs esp nettles	1	1					1					
<i>Lygus pratensis</i>	Black-tongued Shining Plant Bug	T	RDB3	NC	VL	Roughs	Southern heaths now expanding range	1											
<i>Lygus rugulipennis</i>	Long-haired Tarnished Plant Bug	T	C	C/L	C	Wood edge	Wide variety of herbs & shrubs	3	3	2	1		1						
<i>Miris striatus</i>	Red-legged Striped Plant Bug	T	C/L	L	L	Wood edge	Oak, Hawthorn, predatory				1		1						
<i>Monalocoris filicis</i>	Short-antennaed Bracken Bug	T	C/L	L	L	Wood edge	Ferns	1						1					
<i>Notostira elongata</i>	Dimorphic Hairy Unpunctured Grassbug	T	C/L	C/L	C	Roughs	Grasslands	3	4	1									
<i>Orthops campestris</i>	Brown-spotted Green Green-heart Bug	T	C/L	L	L	Roughs	Umbellifers	1	2		1		1						
<i>Plagiognathus chrysanthemi</i>	Green Spotted-legged Grassbug	T	C/L	L	L	Flower meadows	Grass & wastelands: Asteraceae	3	2	2									
<i>Psallus varians</i>	Ruddy Bug	T	C/L	VL	C/L	Wood edge	Oaks				1		1						
<i>Stenodema calcarata</i>	2-spurred Punctured Grassbug	T	C	L	C	Roughs	Grass seeds	4	4	2	8	1	7	1					
<i>Stenodema holsata</i>	Short Punctured Grassbug	T	C/L	VL	VL	Roughs	Acid grasslands, mostly uplands							1					
<i>Stenodema laevigata</i>	Unspurred Punctured Grassbug	W	C	L	C	Wetland	Damp areas - grass seeds	1	4	1	9		9	1		1			
Small Yellow Mirid (damaged)									1		3		3						
							<b>8 Ground Bug species:</b>												
<i>Cymus melanocephalus</i>	Punctured Dark-scutellum Ground Bug	W	C	L	L	Wetland	Damp areas trefoil, loosestrife, rush	6	2		1		1						
<i>Heterogaster urticae</i>	Large Grey Nettle Bug	T	C/L	L	L	Wood edge	Nettles in unshaded habitats		1										
<i>Ischnodemus sabuleti</i>	European Chinchbug	W+	C/L	L	C/L	Wetland	land grass/reeds - migrating to drier gra	8	5		2		2	1					
<i>Kleidocerys resedae</i>	Birch Catkin Bug	H+	C	C	C	Wood edge	Birch	1						1					
<i>Scolopostethus affinis</i>	Paler Tuberculed Ground Bug	T	C/L	L	L	Wood edge	Leaf litter inc Nettles				1	1							
<i>Scolopostethus grandis</i>	Darker Tuberculed Ground Bug	T	L	NC	NC	Wood edge	Leaf litter in various habitats		2										

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<i>Scolopostethus thomsoni</i>	Untuberculed Ground Bug	T	C/L	L	L	Wood edge	Rich vegetation esp Nettles				1	1							
<i>Stygnocoris sabulosus</i>	Shiny Hairy Yellow-legged Ground	H+	C/L	VL	VL	Heaths	Dry habitats, sandy soils	2	3	2				1					
							<b>4 Damselbug species:</b>												
<i>Himacerus major</i>	Grey Damselbug (dark striped femu	W+	C/L	VL	L	Wetland	Grassy habitats, inc dunes & salt marshes	2											
<i>Nabis ferus</i>	Hairy Grey Field Damselbug	T	C/L	L	L	Roughs	Dry, grassy habitats	2	1										
<i>Nabis flavomarginatus</i>	Yellow-margined Damselbug	T	C/L	L	L	Roughs	Grassland, especially damper ones	1											
<i>Nabis limbatus</i>	Marsh Damselbug (small-winged b	W	C/L	C/L	C	Wetland	Damp grassland/wet meadows	4	1		1		1						
							<b>1 Stiltbug species:</b>												
<i>Berytinus minor</i>	Pale-kneed Stiltbug	T	L	VL	VL	Flower meadows	Clover & Lesser Trefoil	1											
							<b>28 Larger Leafhopper species:</b>												
<i>Anoscopus (Aphrodes) albifrons</i>	Banded Leafhopper	T	NB	C (<6	VL	Wood edge	Dry grasslands, heaths, open woods	4											
<i>Anoscopus (Aphrodes) flavostri</i>	Zebra Leafhopper	T	C/L	NC	NC	Wood edge	Damp grass, open woods, roughs		1										
<i>Aphrodes makarovi</i>	Pointed-chisel-faced Leafhopper	T	C/L	VL	L	Roughs	Nettles, Dandelions, Thistles	2											
<i>Aphrodes bicincta/diminuta</i>	Leafhopper (with +- identical fema	T/W	L/VL	NC	NC	Roughs	Dry habitats/ wet meadows		1										
<i>Aphrodes nymphs</i>																1			
<i>Arthaldeus pascuellus</i>	Dark-faced Glum-bear Leafhopper	T	C/L	VL	VL	Roughs	Grasses, esp drier places	2											
<i>Balclutha punctata</i>	Dark-spotted Orange Leafhopper	T	C/L	VL	VL	Wood edge	Clearings in woods	1			3		3						
<i>Cicadella viridis</i>	Large Green Leafhopper	W	C	C	C	Wetland	Damp grasslands, marshes	9	4	1	4		4			1			
<i>Cicadula persimilis</i>	Long-antennaed 4-spot Leafhopper	T	C/L	NC	NC	Roughs	Dry grassland		1										
<i>Cicadula quadrinotata</i>	Long-antennaed 4-spot Leafhopper	T	C/L	VL	L	Wetland	Damp grassland, rush, sedge	3	3										
<i>Cicadula quadrinota group</i>											2	1	1						
<i>Conosanus obsoletus</i>	Part-winged Buff Leafhopper	W	C/L	NC	VL	Wetland	Damp habitats with rushes	2											
<i>Deltocephalus pulicaris</i>	Dark-brown White-veined Leafhop	T	C/L	NC	VL	Roughs	Mostly short, dry grassland	3		1									
<i>Elymana sulphurella</i>	Two-dot Sulphur Leafhopper	T	C/L	VL	VL	Roughs	Moist to dry & tall grassland		1										
<i>Errastunus (Adarrus) ocellaris</i>	Crossed-plates Eyed Leafhopper	T	C/L	L	VL	Roughs	Dry/moist tall grassland, ruderals		2										
<i>Euscelis incisus</i>	Mottled Stubby Leafhopper	T	C/L	L	VL	Roughs	Medium most grasslands	1			7		7						
<i>Jassargus pseudocellaris</i>	Bordered-celled Leafhopper	T	C/L	L<196	NC	Wood edge	Grassland in heath & light woods			1									
<i>Limotettix striola</i>	Headband LeafHopper	W	L	NC	NC	Wetland	edges, spike-rush, marshes, inc saltmar	2											
<i>Macrosteles ossianilssoni?</i>	a 6-spot Smiling Ghost Leafhopper	W	L	NC	NC	Wetland	Peaty grassland, Carex, Juncus	2		1									
<i>Macrosteles sexnotatus</i>	a 6-spot Smiling Ghost Leafhopper	W	C/L	VL	VL	Roughs	moist open habitats, Juncus, Carex, Clov	1								1			
<i>Macrosteles viridigriseus</i>	a 6-spot Smiling Ghost Leafhopper	W	C/L	NC	VL	Wetland	Marshes, pond margins	3		1									
<i>Megophthalmus scanicus</i>	Smooth Cross-faced Leafhopper	T	C/L	NC	NC	Flower meadows	Grasslands. Pea family.	2											

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<i>Mocystia crocea</i>	Orange & White-striped Leafhopper	T	C/L	VL	VL	Roughs	Tall grasses in woods & meadows				1		1						
<i>Oncopsis flavicollis</i>	Dark-faced Birch Leafhopper	T	C/L	C/L	C/L	Wood edge	Birch				1		1						
<i>Oncopsis subangulata</i>	Pale-faced Birch Leafhopper	T	L	NC	VL	Wood edge	Birch			1									
<i>Paluda flaveola</i>	Indented Yellow Leafhopper	W	VL	NC	NC	Wetland	Moist shady site on tall wetland grasses		1										
<i>Populicerus (Idiocerus) confusus</i>	Yellow Big-eyed Willow Leafhopper	W	C/L	VL	VL	Wetland	Grey Willows				1		1	1					
<i>Psammotettix confinis</i>	Pale-rear-femured Buff Leafhopper	T	C	NC	VL	Wood edge	Woodland glades	5		1									
<i>Streptanus sordidus</i>	Broad Buff Leafhopper Spotted pro	W+	C/L	C(<60	VL	Wetland	Damp, grassy places	8	1	1									
<i>Tachycixius pilosus</i>	Spotted-wing-margin Leafhopper	T	C	C/L	VL	Wood edge	Trees, shrubs, grasses			1									
							<b>11 Small Leafhopper species:</b>												
<i>Edwardsiana ulmiphagus</i>	Elm Small Leafhopper	T	VL	NC	NC	Wood edge	Elm trees		1										
<i>Empoasca vitis</i>	White-spotted Green clear-celled S	T	L	VL	NC	Wood edge	Deciduous trees/ Evergreen trees				1		1						
<i>Erzaleus metrius (Mocuellus)</i>	Reed Canary-grass Small Leafhopper	W	L	NC	NC	Wetland	Reed Canary-grass wetlands		2					1					
<i>Eupteryx aurata</i>	Yellow Arrow Small Leafhopper	T	C	C/L	L	Wood edge	Nettles, Brambles, low vegetation	1	2							1			
<i>Eupteryx cyclops</i>	C-marked pale-legged 13 spot Sma	W	L	NC	NC	Wetland	Nettles / wet areas	1	1					1					
<i>Eupteryx filicum</i>	Yellow-grey Small Leafhopper	T	L	L	NC	Wood edge	Ferns	1	3										
<i>Eupteryx urticae</i>	C-marked dark-legged 15 spot Sma	T	C	C/L	L	Wood edge	Nettles & other low vegetation	4	3		2		2			1			
<i>Notus flavipennis</i>	Yellow Arrow-head Small Leafhopper	W	C/L	NC	NC	Wetland	Sedges in marshes, usually alkaline	1											
<i>Ribautiana debilis</i>	Grey-tipped Yellow Small Leafhopper	T	VL	NC	NC	Wood edge	Bramble, Apple, Hazel, Willow, Alder				2		2						
<i>Ribautiana tenerrima</i>	Yellow-striped Dark-tipped Small I	T	C/L	VL	VL	Wood edge	Bramble, Raspberry and sometimes tree	1	2										
<i>Zyginidia scutellaris</i>	3-spotted Yellow Small Leafhopper	T	C/L	VL	VL	Roughs	Rough grass	6	2										
							<b>6 Planthopper species:</b>												
<i>Conomelus anceps</i>	Marsh Short-winged Planthopper	W	C	VL	VL	Wetland	Damp areas/ Rushes	9	1		2	1	1						
<i>Florodelphax leptosoma</i>	Pale-edged Short-winged Planthopper	W	C/L	NC	NC	Wetland	Range of wetlands	1											
<i>Javesella dubia</i>	Stripe-faced Long-winged Planthopper	T	C/L	L	L	Wood edge	Grassy woodlands	1											
<i>Javesella pellucida</i>	Stripe-faced Long-winged Planthopper	T	C/L	VL	VL	Roughs	Enriched grasslands				1		1						
<i>Javesella pellucida/dubia/obscura</i> females		T	C	(L)	(L)					1				1					
<i>Muellerianella fairmairei</i>	3-Banded Planthopper	W	C/L	C(<60	NC	Wetland	Damp areas. <i>Deschampsia cespitosa</i>	9	5		1	1		1					
<i>Stenocranus minutus</i>	Long-winged Long-nosed Planthopper	T	C/L	VL	VL	Roughs	Diverse grassy habitats	2	4		1	1							
							<b>4 Froghopper species:</b>												
<i>Aphrophora alni</i>	Large White-patched Froghopper	T	C	C	C	Wetland	Wide range of trees /bushes		1										
<i>Aphrophora major (alpina)</i>	Largest Fen Froghopper	W	NB	NC	L	Wetland	Nice marshes with willow	1											
<i>Neophilaenus lineatus</i>	Pale-edged rear-spotted Froghopper	T	C	C	C	Roughs	Grassland	3	4										

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<i>Philaenus spumarius</i>	Cuckoospit Froghopper	T	C	C	C	Roughs	Wide range of plants inc gardens	2	6		1		1	1					
							<b>3 Jumping Plant Louse species:</b>												
<i>Livia juncorum (junci)</i>	Horned Rush Jumping Plant Louse	W	C/L	VL	VL	Wetland	Marshes and wet meadows on Juncus	1											
<i>Psyllopsis fraxinicola</i>	Yellow Ash Plant Louse	T	C/L	NC	NC	Wood edge	Ash trees		1		4		4						
<i>Trioza urticae</i>	Nettle Jumping Plant Louse	T	C	NC	VL	Wood edge	Nettles etc	2			2	1	1			1			
							<b>7+ Greenfly species:</b>												
<i>Aphis fabae?</i>	Black Bean Blackfly Aphid	T	C			Wood edge	Spindle, Beans, other pants	1	1										
<i>Aphis ulicis</i>	Gorse Aphid	T	C			Wood edge	Gorse	1											
<i>Hyalopterus pruni</i>	Mealy Plum Aphid	W	C			Wetland	Prunus & Phragmites	1	1					1					
<i>Macrosiphoniella tanacetaria</i>	Tansy Aphid	T	L?			Flower meadows	Tansy				1		1						
<i>Microlophium carnosum</i>	Large Nettle Aphid	T	C		C?	Wood edge	Nettles	2	1	1	1		1	1		1			
<i>Myzus cymbalariae</i>	Aphid	T	C			Flower meadows	Wide range of plants	1	2										
<i>Myzus persicae</i>	Green Peach-Potato Aphid.dark fee	T	C		C?	Flower meadows	Wide range of plants	1						1					
<i>Aphid spp</i>	Aphid (Misc)	T							6	3		1							
<b>PSCOCOPTERA:</b>	<b>BARKFLIES:</b>						<b>6 Barkfly species:</b>												
<i>Ectopsocus briggsi</i> (verified)	Less-spotted Barklouse	T	C	C	L	Wood edge	Shrub or tree dead foliage	2	5		1	1		1					
<i>Graphopsocus cruciatus</i> (verifi	Spotted Barkfly	T	C/L	VL	VL	Wood edge	Wide range of trees /bushes, herbs				1		1						
<i>Loensia variegata/ pearmani</i> (v	Fully-mottled Barkfly	T	Unc	R/VL/NCVL/NC	NC	Wood edge	Broad-leaved + conifers	1											
<i>Stenopsocus stigmaticus</i> (verifi	Dark-line-winged Barkfly	T	Unc	NC	VL	Wood edge	Hawthorn, Broadleaved + conifers		1										
<i>Valenzuela atricornis</i> (verified)	Brown-faced Valenzuela Barklouse	W+	NS	NC	NC	Wetland	ry grassland, Reeds, Willows, Hawthorn	1						1					
<i>Valenzuela flavidus</i> (verified)	Yellow Valenzuela Barklouse	T	C	L	L	Wood edge	Broadleaved trees		2					1					
<b>LEPIDOPTERA:</b>	<b>BUTTERFLIES &amp; MOTHS:</b>						<b>21 Butterfly species:</b>												
<i>Aglais io</i>	Peacock Butterfly	T	C	C	C	Wood edge	gs Nettles. Adults:open woods, rides, ed	1	2	1	2	1	1				1	1	
<i>Agalis urticae</i>	Small Tortoiseshell Butterfly	T	C	C	C	Wood edge	id on Nettles. Many habitats including	2	3	2	4	2	2			1	1	1	
<i>Anthocharis cardamines</i>	Orange Tip Butterfly	T	C	C	C	Wetland	Eggs on Allaria & Cuckooflower;	1	1	3	5	2	3				1	1	
<i>Aphantopus hyperantus</i>	Ringlet Butterfly	T	C	C/L	C	Wood edge	on grasses. Damp, shady habitats pref		1										1
<i>Coenonympha pamphilus</i>	Small Heath	T	NTS4	C/L	C/L	Flower meadows	Larvae on fine grasses. Buttercups & c								1				
<i>Favonius quercus</i>	Purple Hairstreak	T	C/L	L	C/L	Wood edge	Oak trees			1									
<i>Gonepteryx rhamni</i>	Brimstone	T	C/L	L	L	Wetland	arvae: Rhamnus & Frangula. Scrub/wo										1		
<i>Lasiommata megera</i>	Wall Brown	T	NTS4	L	L	Flower meadows	rt stony/broken turf. Hollan,Desfle, Da										1		
<i>Lycaena phlaeas</i>	Small Copper Butterfly	T	C	C	C	Flower meadows	Eggs on Sorrel & Dock. Flowers			1									
<i>Maniola jurtina</i>	Meadow Brown Butterfly	T	C	C	C	Roughs	on grasses. Meadows, hedges, open w	2	3	4	4	1	3			1			1

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<i>Ochlodes sylvanus</i>	Large Skipper	T	C	C	C	Roughs	on grasses. Meadows, hedges, open wo	1		4								1	
<i>Pararge aegeria</i>	Speckled Wood Butterfly	T	C	C	C	Wood edge	Aphid honeydew; lays on tough grasses	2	3	2	2		2				1		
<i>Pieris brassicae</i>	Large White Butterfly	T	C	C	C	Flower meadows	Eggs on Brassicas; Adult visits flowers	2	2	3	2		2			1	1	1	1
<i>Pieris napi</i>	Green Veined-white Butterfly	W	C	C	C	Wetland	gs on crucifers. Adult: damp grass/mars	1	1	1	3	1	2				2	1	
<i>Pieris rapae</i>	Small White Butterfly	T	C	C	C	Flower meadows	Eggs on Brassicas; Adult visits flowers		1	1	3	1	2			1	1		
<i>Polygonia c-album</i>	Comma	T	C	C	C	Wood edge	tles, Willows. Adults favour open woo	1		1								1	
<i>Polyommatus icarus</i>	Common Blue Butterfly	T	C	C/L	C	Flower meadows	Trefoils, Clovers etc. Uses meadows			4								1	
<i>Pyronia tithonus</i>	Gatekeeper Butterfly	T	C	C	C	Flower meadows	grasses; Bramble, Co Fleabane, Ragw	1	2		3	1	2				1		
<i>Thymelicus sylvestris</i>	Small Skipper Butterfly	T	C	C	C	Roughs	s on Yorkshire Fog. Tall grasses + herb	1			1	1				1			1
<i>Vanessa atalanta</i>	Red Admiral Butterfly	T	C	C	C	Wood edge	Nectar feeder. Lays on Nettles	1	1		2		2		1			1	
<i>Vanessa cardui</i>	Painted Lady	T	C	C	C	Roughs	Thistle, Mallow, Nettle etc											1	
							<b>27+ Moth species:</b>												
<i>Moth or caterpillar</i>		T														1			
<i>Mesapamea secalis agg</i>	a Common Rustic	T	C	C	C	Roughs	Coarse grasses, Dacglo, Fesaru, Desces				1	1							
<i>Mythimna ferrago</i>	Clay	T	C	C	C	Roughs	On grasses				1		1						
<i>Noctua pronuba</i>	Large Yellow Underwing	T	C	C	C	Wood edge	ange of habitats: Dock, Nettle, Foxglov	1										1	
<i>Noctuidae (other)</i>	Moth caterpillar/damaged Adult	T						1	1										
<i>Abraxas grossulariata</i>	Magpie Moth	T	C	C	C	Wood edge	Blackthorn, Hawthorn, Currant, Brambl											1	
<i>Anthophila fabriciana</i>	Common Nettle Tap moth caterpill	T	C	C	C	Wood edge	Lays on Nettles	1											
<i>Cataclysta lemnata</i>	Duckweed Moth	A+	C	L	L	Wetland	Larvae feed on and live in Duckweed	2											
<i>Elophila nymphaeata</i>	Brown China Mark Moth	A+	C	L	L	Wetland	e on Pondweeds, Lilies, Alisma, Sparga							1					
<i>Emmelina monodactyla</i>	Common Plume	T	C	C	C	Roughs	Bindweeds											1	
<i>Coleophora sp</i>	cased micromoth caterpillar	T	C	(L)	(L)	Roughs	ube-case-bearing larvae in tall vegetati	9	9										
<i>Deilephila elpenor</i>	Elephant Hawk Moth	T	C	C	C	Roughs	Rosebay Willowherb			1									
<i>Euthrix potatoria</i>	Drinker Moth Caterpillar	W	C/L	C/L	C/L	Wetland	Marshes and damp grassland	1	2		1		1						
<i>Stenoptilia pterodactyla</i>	Brown Plume Moth	T	C/L	VL	L	Wood edge	ander Speedwell. Wood edge, hedges, v	1											
<i>Geometridae</i>	Looper moth caterpillar							2											
<i>Glyphipterix sp</i>	a Sedge Moth	T/W				Rough/Wetland	Grass/Sedge/Woodrush/Rush			1									
<i>Mormo maura</i>	Old Lady Moth	W	C/L	C	C/L	Wetland	ariety of habitats near water, Blackthor		1						1				
<i>Phalera bucephala</i>	Buff-tip	T	C	C	C	Wood edge	Deciduous trees. Here on Oak.			1									
<i>Phlogophora meticulosa</i>	Angle Shades	T	C	C	C	Wood edge	ettle, Dock, Bramble, Hazel, Birch, Oa			1								1	
<i>Phyllonorycter sp</i>	an Oak Leaf-miner Pigmy Moth	T	C	(C/L)	(C/L)	Wood edge	Caterpillar lives in Oak leaves							1					

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<i>Patania ruralis (Pleuroptya)</i>	Mother of Pearl Moth	T	C/L	C/L	C	Wood edge	Nettles	1										
<i>Pterophorus pentadactyla</i>	White Plume Moth	T	C	C	C	Roughs	Bindweeds										1	
<i>Rivula sericealis</i>	Straw Dot Moth	T	C	C	C	Roughs	Damp meadows and woodland			1	1							
<i>Spilosoma lubricipeda</i>	White Ermine Moth	T	S41	C/L	C	Wood edge	Nettle, Dock etc	4	1									
<i>Spilosoma lutea</i>	Buff Ermine Moth	T	S41	C	C	Wood edge	Nettle, Honeysuckle, Plum, Birch										1	
<i>Tyria jacobaeae</i>	Yellow & Black Cinnabar Moth ca	T	S41	C	C	Roughs	Caterpillars on Ragwort	2										
<i>Xanthorhoe montanata</i>	Silver-ground Carpet	T	C	C	C	Roughs	Gallium, Primrose etc		1									
<i>Zelotheres (Aphelia) paleana</i>	Timothy Tortrix	T	C/L	C/L	C	Roughs	Grasses, Filulm, Plantain, Centnig											1
<i>Zygaena lonicerae</i>	Narrow-bordered 5-spot Burnet Mo	T	C	C	C	Flower meadows	Grassland with Clovers and Vetch		1									1
<b>COLEOPTERA:</b>	<b>BEETLES:</b>						<b>59 Water Beetle species:</b>											
<i>Haliphus lineatocollis</i>	Grooved Haliphus Beetle	A	C	C	C	Wetland	Still and running water		1									
<i>Haliphus ruficollis</i>	Common Haliphus Beetle	A	C	C	C	Wetland	Permanent ponds	2	2	3	2	1						
<i>Haliphus ruficollis group</i>								2						1				
<i>Gyrinus substriatus</i>	Common Pond Whirligig Beetle	A	C	C	C	Wetland	Permanent ponds		2				1					
<i>Hygrobia hermanni</i>	Squeak Beetle	A	C	L	C	Wetland	Permanent ponds		1	7	1	6						
<i>Dytiscus circumcinctus</i>	Sharp-spurred Great Diving Beetle	A	NS	L	L	Wetland	Permanent larger ponds	1						1		1		
<i>Dytiscus marginalis</i>	Common Great Diving Beetle	A	C	C	C	Wetland	Permanent ponds	1	1	2		2	1			2		
<i>Acilius sulcatus</i>	Grooved Diving Beetle	A	C	C	C	Wetland	Shaded ponds, ponds, fish-free esp.			1		1	1					
<i>Colymbetes fuscus</i>	Larger Diving Beetle	A	C	C	C	Wetland	Permanent ponds		3	3	1	2	1					
<i>Agabus affinis</i>	Kilij-ended Diving Beetle	A	C/L	L	L	Wetland	Marshy/Mossy/Floating raft ponds			1	1					1		
<i>Agabus bipustulatus</i>	Common Black Diving Beetle	A	C	C	C	Wetland	Permanent ponds	5	3	12	5	7	1		1	1		
<i>Agabus nebulosus</i>	Mottled Diving Beetle	A	C	C	C	Wetland	New or rain flushed ponds		2	1		1						
<i>Agabus paludosus</i>	Brown Stream Diving Beetle	A	C	C/L	C/L	Wetland	low running water, often watercress, fe	2										
<i>Agabus sturmii</i>	Common Brown Pond Diving Beet	A	C	C	C	Wetland	Permanent ponds	5	1	1	3		3	1		1		
<i>Agabus unguicularis</i>	Narrow-clawed Black Diving Beetl	A	C/L	L	C/L	Wetland	Swamps/floating rafts on ponds			1	1							
<i>Ilybius ater</i>	Larger Black Diving Beetle	A	C	C	C	Wetland	Permanent ponds	1	2	2	1	1	1			1		
<i>Ilybius fuliginosus</i>	Side-banded Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	2	1	3	4	1	3		1			
<i>Ilybius guttiger</i>	Black Fen Diving Beetle	A	C/L	C/L	C/L	Wetland	Fens, floating mats, marshy ponds	1	1	2	1	1				2		
<i>Ilybius subaeneus</i>	Red-bellied Black Diving Beetle	A	NS	L	L	Wetland	Permanent Ponds			1		1						
<i>Ilybius quadriguttatus</i>	4-gold-spot Black Diving Beetle	A	C/L	C	L	Wetland	Permanent Ponds	5						1				
<i>Liopterus haemorrhoidalis</i>	Ruddy Diving Beetle	A	C/L	L	L	Wetland	Permanent Ponds			2	1	1						
<i>Rhantus exsoletus</i>	Pale Gold-speckled Diving Beetle	A	C/L	C	C/L	Wetland	Permanent Ponds	2	2	3		3	2					

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<i>Rhantus suturalis</i>	3-spot Gold-speckled Diving Beetle	A	C/L	L	L	Wetland	Wide variety of ponds	4		3	2	1	1		2			
<i>Noterus clavicornis</i>	Boat-shaped Small Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	3	1	1	9	2	7	1	1	1		
<i>Hydroporus angustatus</i>	Ruddy Small Diving Beetle	A	C	C	C	Wetland	Permanent Ponds			1	1							
<i>Hydroporus erythrocephalus</i>	Dotted-nosed Small Diving Beetle	A	C	C	C	Wetland	Ponds, often poorly vegetated.		1	1		1						
<i>Hydroporus memnonius</i>	Broad-flat Small Diving beetle	A	C	C	C	Wetland	Marshy edges, woodland pools		1	2		2						
<i>Hydroporus palustris</i>	Black & Gold Small Diving Beetle	A	C	C	C	Wetland	Ponds	1	1	2	1	1	1					
<i>Hydroporus planus</i>	Common Small Brown Diving Bee	A	C	C	C	Wetland	Ponds and marshy pools		1	1		1			1	1		
<i>Hygrotus inaequalis</i>	Striped Oval Diving Beetle	A	C	C	C	Wetland	Permanent Ponds			6	2	4						
<i>Hygrotus impressopunctatus</i>	Gold-striped Brown Diving Beetle	A	C	C	C	Wetland	Permanent Ponds			3	2	1	1					
<i>Hyphydrus ovatus</i>	Orange Egg-shaped Diving Beetle	A	C	C	C	Wetland	Permanent Ponds			2		2	1	1				
<i>Laccophilus minutus</i>	Quiet Khaki Diving Beetle	A	C	C	C	Wetland	Permanent Ponds	2	1	2		2			1			
<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	5	6	2	2	1	1	1				
<i>Anacaena limbata</i>	Brown Domed Scavenger Beetle	W	C	C	C	Wetland	Well-vegetated marshes / pond edges	4		3	1	2	1					
<i>Coelostoma orbiculare</i>	Black Domed Scavenger Beetle	W	C	C/L	C/L	Wetland	Marshes / pond edges	1	1	1		1						
<i>Cymbiodyta marginella</i>	Brow-edged Black Scavenger Beetl	A	C/L	L	C	Wetland	Lowland fens		1									
<i>Enochrus coarctatus</i>	Centrally-striped Scavenger Beetle	W	C	C	C	Wetland	Fen marshes / pond & ditch edges			1		1						
<i>Enochrus testaceus</i>	Dark-tipped Scavenger Beetle	W	C/L	C	C	Wetland	Fen veg in ponds, lakes, ditches			1		1						
<i>Helochaeres lividus</i>	Shiny Pale Helochaeres Beetle	W	C/L	VL	C	Wetland	Weedy lowland waters, inc brackish			1		1	1					
<i>Helochaeres punctatus (GNF)</i>	Dark Bog Helochaeres Beetle	W	NS	L	L	Wetland	Mainly wet heath, bog, acid pools			1		1						
<i>Helophorus aequalis</i>	Small-toothed Greater Scavenger B	W	C	L	C	Wetland	Marshes / pond edges		1	2	1	1						
<i>Helophorus brevipalpis</i>	Golden Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	4	1	1	3	1	2		1			
<i>Helophorus flavipes</i>	Yellow-footed Scavenger Beetle	W	C/L	L	L	Wetland	Marshes / pond edges	1	2									
<i>Helophorus grandis</i>	Large-toothed Greater Scavenger B	W	C	C	C	Wetland	Marshes / pond edges	3		1	2		2	1		1		
<i>Helophorus minutus</i>	Common Golden Scavenger Beetle	W	C	C	C	Wetland	Marshes / pond edges	1		1		1						
<i>Helophorus obscurus</i>	Pale Brown Scavenger Beetle	W	C	C/L	C/L	Wetland	Muddy habitats pH 7 and above	3	1	1	1							
<i>Hydrobius fuscipes agg</i>	Common Black-domed Scavenger	W	C	C	C	Wetland	Marshes / pond edges	2	1	1	4	3	1					
<i>Laccobius bipunctatus</i>	Common Grey-domed Scavenger B	W	C	C	C	Wetland	Marshes / pond edges	5	1	1	2	2						
<i>Megasternum concinnum</i>	Notch-legged Red Scavenger Beetl	W+	C	L	C	Wetland	Rotting veg in tussocks, hay, marshes	5	3									
<i>Limnebius truncatellus</i>	Short-ended Moss Beetle	W	C	L	L	Wetland	All types of marsh/marshy streams		1	1		1						
<i>Elmis aenea</i>	Common River Beetle	W	C	VL	L	Streams	ers, streams, esp headwaters, mossy rif		1									
<i>Cyphon hilaris</i>	Mid-streaked Marsh Beetle	W	C/L	L	C	Wetland	Sphagnum/ Marshes / pond edges	1										

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<i>Cyphon ochraceus</i>	Orange Marsh Beetle	W	C/L	VL	L	Wetland	Sphagnum/ Marshes / pond edges				1		1						
<i>Cyphon padi</i>	Least Dark-headed Marsh Beetle	W	C	VL	C/L	Wetland	Marshes / pond edges	1						1					
<i>Cyphon variabilis</i>	Large Yellow Marsh Beetle	W	C/L	L	C	Wetland	Marshes / pond edges	4											
<i>Elodes sp (1 of 4 spp)</i>	Long-legged Marsh Beetles	W	NS/Vu	NC/VI	L	Wetland	Wetland and foliage above			1									
<i>Scirtes hemisphaericus</i>	Oval Jumping Black Marsh Beetle	W	C/L	L	C/L	Wetland	Marshes / pond edges	3							1				
<i>Scirtidae larvae</i>		W				Wetland	Marshes / pond edges		1										
<i>Dryops ernesti</i>	Hairy Dryops Beetle	W	C/L	VL	L	Wetland	Marshes / pond edges	1											
							<b>32 Leaf &amp; Flea Beetle species:</b>												
<i>Agelastica alni</i>	Alder Leaf Beetle	W	NR	C	C	Wetland	English Alder & Grey Alder		1		3		3						
<i>Altica lythri</i>	Blue Willowherb Flea Beetle	W/T	C	C	C	Wetland	Willowherbs, wetlands, damp soils	1											
<i>Altica sp</i>										1	1		1				1		
<i>Aphthona nonstriata</i>	Iris Flea Beetle	W	C/L	L	L	Wetland	Iris: Ponds, marshes, ditches										1		
<i>Bruchus rufimanus</i>	Bean Seed Beetle	T	A	VL	NC	Flower meadows	Legumes. Attacks bean crops				2		2						
<i>Cassida flaveola</i>	Pale Tortoise Beetle	T	C/L	VL	L	Roughs	Roughs and tall herb, thistles	1											
<i>Cassida rubiginosa</i>	Green Thistle Tortoise Beetle	T	C	C/L	C	Roughs	Roughs and tall herb, Creeping Thistle	1			5		5						
<i>Chaetocnema hortensis</i>	Greenish Yellow-antennaed Erratic	T	C/L	VL	C/L	Roughs	Grasses, wild & cultivated	3						1					
<i>Chaetocnema picipes</i>	Greenish black keeled Flea Beetle	T	L	NC	VL	Roughs	Docks, Oraches, Atriplex spp				1		1						
<i>Crepidodera aurata</i>	Red & Gold Willow Flea Beetle	W	C/L	L	C	Wetland	Willows				2		2						
<i>Donacia versicoloreae</i>	Pondweed Donacia Beetle	W	C/L	VL	L	Wetland	Ponds with Broad-leaved Pondweed			1	2		2						
<i>Donacia vulgaris</i>	Banded Donacia Beetle	W	C/L	L	L	Wetland	Typha, Sparganium, Glyceria, Carex	1											
<i>Galerucella lineola</i>	Brown Willow Beetle	W+	C/L	L	C	Wetland	Alder, Hazel, Willows				1		1						
<i>Gastrophysa viridula</i>	Green Dock Beetle	T	C	C	C	Roughs	Docks	1		1	6		6						1
<i>Hydrothassa marginella</i>	Yellow-edged Buttercup Beetle	T	C/L	L	C	Wetland	On Buttercups				3		3						
<i>Hippuriphila modeeri</i>	Brassy Pale-tipped Flea Beetle	W	C/L	L	L	Wetland	Horsetail	1											
<i>Longitarsus gracilis v poweri</i>	Med pale-headed dark-sutured Longitarsus	T	C/L	NC	NC	Flower meadows	Asteracea esp Ragwort	1											
<i>Longitarsus atricillus</i>	Large dark-headed-dark-sutured Longitarsus	T	C/L	NC	NC	Flower meadows	esp Pea family	3			1		1						
<i>Longitarsus flav/jac (females only)</i>	Large Pale Longitarsus	T	C/L	NC/VI	NC/VI	Flower meadows	Both on Ragwort	1		1									
<i>Longitarsus luridus</i>	Common Dark or Pale Flea Beetle	T	C	VL	L	Roughs	Many plants, leaves, roots. Grass tussocks	17	8	2	1		1						
<i>Longitarsus melanocephalus</i>	Narrowly-dark-sutured pale Longitarsus	T	C/L	VL	L	Flower meadows	Plantain	1			1	1							
<i>Longitarsus pratensis</i>	Small dark headed pale-elytra Longitarsus	T	C/L	NC	NC	Flower meadows	Plantain	7	3		1		1						
<i>Neocrepidodera ferruginea</i>	Small Orange Wheat Flea Beetle	T	C/L	VL	C/L	Roughs	Wild & cultivated grasses	1	2										
<i>Neocrepidodera transversa</i>	Large Orange Wheat Flea Beetle	T	C	L	C/L	Roughs	Various plants in many habitats	3											

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<i>Phaedon armoraciae</i>	Brooklime Blue Leaf Beetle	W	C/L	C/L	C	Wetland	Water plants	2			1		1						
<i>Phaedon cochleariae</i>	Watercress Blue Leaf Beetle	W+	C/L	VL	L	Wetland	Watercress, Brassicas + Gorse		1										
<i>Phaedon tumidulus</i>	Celery Smooth Blue Leaf Beetle	W+	C	L	C/L	Wetland	On umbellifers	1	1										
<i>Phyllobrotica quadrimaculata</i>	Spotted Yellow Skullcap Leaf Beet	W	C/L	L	VL	Wetland	In damp open habitats on Skullcap	1											
<i>Prasocuris phellandrii</i>	Yellow-striped Blue Leaf Beetle	W	C/L	NC (56	C	Wetland	Range of wetland plants	1											
<i>Psylliodes chrysocephala</i>	Cabbage-stem Flea Beetle	T	C/L	VL	L	Flower meadows	Brassicaceae	2											
<i>Psylliodes napi</i>	Blue Brassica Flea Beetle	T	C/L	VL	L	Flower meadows	Brassicaceae. Moss & tussocks		2										
<i>Psylliodes picina</i>	Smooth-headed Flea Beetle	W+	C/L	NC	VL:	Wetland	agmites, Phalaris, Salix, Birch, Oak, H		1										
<i>Sphaeroderma testaceum</i>	Artichoke Beetle	T	C/L	VL	L	Roughs	Thistles and Knapweed. Roughs	1											
							<b>11 Ladybird species:</b>												
<i>Adalia 10-punctata</i>	10 Spot Red Ladybird	T	C	C	C	Wood edge	Woodland, gardens with trees			1	2		2						
<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 ve	4	1		3	1	2	1		1			
<i>Coccidula rufa</i>	Red Marsh Ladybird	W	C	C	C	Wetland	Aphids, tall wetland grasses/reeds	6	2	1	4	1	3	1					
<i>Coccinella 11-punctata</i>	11 Spot Red Ladybird	T	C	C/L	C	Roughs	Variety of habitats esp coastal				1		1						
<i>Coccinella 7-punctata</i>	Common 7 Spot Red Ladybird	T	C	C	C	Any	Anywhere with Aphids. Low herbage.	1	1	3	5		5			1			
<i>Harmonia axyridis</i>	Harlequin Ladybird (red or black)	T	A	C	C	Any	Aphids. Trees, scrub, grass, marsh.	1			2		2	2		1			
<i>Nephus redtenbacheri</i>	Red-blotched Nephus	T	C	VL	L	Roughs	Moss. Grassland.	2											
<i>Propylea 14-punctata</i>	14 Spot Yellow Ladybird	T	C	C	C	Wood edge	Tall vegetation,trees, overwinters	1		1	3		3	1					
<i>Psyllobora 22-punctata</i>	22 Spot Yellow Ladybird	T	C	C	C	Roughs	Low vegetation: mildew feeder		1		1		1						
<i>Rhizobius litura</i>	U-marked Ladybird	W+	C/L	L	C	Wetland	Grasses, thistle, nettle, rush, reed	4	2	1	3		3						
							<b>9 Soldier Beetle species:</b>												
<i>Cantharis cryptica</i>	Various-haired Red Soldier Beetle	T	C	C/L	C	Wood edge	Long grass, umbellifers, bushes, trees				2		2						
<i>Cantharis decipiens</i>	Butternut-squash-marked Yellow S	T	C	C/L	C	Wood edge	Trees, shrubs, Hawthorn blossom				2		2						
<i>Cantharis flavilabris (nigra)</i>	Black & Red Soldier Beetle with bl	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			1	4		4						
<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	C	VL	L	Wood edge	On vegetation in woods				1		1						
<i>Malthodes pumilus</i>	Dwarf Soldier Beetle	T	NS	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 = nigriven</i>	Diamond-marked Black & Yellow	T	C	C/L	C	Flower meadows	Open grasslands on dry soil			1	2		2						
							<b>4 Click Beetle species:</b>												

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<i>Agriotes obscurus</i>	Wireworm Click Beetle	T	C/L	L	C/L	Flower meadows	Meadows & grassy places				3		3						
<i>Agriotes pallidulus</i>	Dark-sutured Small Click Beetle	T	C/L	VL	C/L	Wood edge	Grassland with trees and bushes.			1	3		3						
<i>Aplotarsus incanus</i>	Slim Black Click Beetle	W+	C/L	VL	L	Wetland	Damp grass, marsh, pond edge			1	4		4						
<i>Athous haemorrhoidalis</i>	Black and Red Click Beetle	T	C	C/L	C	Flower meadows	Hedges, tall herb, meadows			1	7		7						
							<b>22 Ground Beetle species:</b>												
<i>Acupalpus dubius</i>	Red-brown Ground Beetle	W	C/L	VL	C/L	Wetland	Litter, moss, tussocks near water	1							1				
<i>Acupalpus parvulus</i>	Dark-blotched Ground Beetle	W	C/L	L	L	Wetland	Damp habitats near vegetation	2											
<i>Agonum thoreyi</i>	Furrowed-tarsi Marsh Ground Beet	W	C	L	L	Wetland	Marshes, fens, reedbeds	3			1		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	2											
<i>Badister bullatus</i>	Black & Gold Ground Beetle	T	C/L	L	C/L	Roughs	Moss or litter is var habitats			1									
<i>Bembidion aeneum</i>	Dark-legged Bembidion	W	C/L	L	C/L	Wetland	Damp spoil, estuaries, saltmarsh				1		1						
<i>Bembidion guttula</i>	2-spotted Ground Beetle	W	C	C/L	C	Wetland	Almost all habitats, esp near water	1	1										
<i>Bembidion lunulatum</i>	Brown Ground Beetle	W	C	L	C	Wetland	Damp, bare ground near water.				2		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	3	1		1	1							
<i>Harpalus rufipes</i>	Green Strawberry Seed GB	T	C	C	C/L	Roughs	Open, dry habitats inc arable			2						1			
<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	5	1		1	1				1			
<i>Paradromius linearis</i>	Common Bladerunner GB	T	C	L	C	Roughs	Grass tussocks, also reeds	2			2		2	1					
<i>Pterostichus diligens</i>	Smooth-chested Blackclock GB	W	C	C	C	Wetland	Wetlands, damp grass, moor, marsh	3	1										
<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	C	C	C	Roughs	Gardens, grassland, arable	1											
<i>Pterostichus niger</i>	Great Blackclock GB	W+	C	C	C	Wetland	Woods, damp grass, moors	5	2							1			
<i>Pterostichus nigrita</i>	Mitten Blackclock GB	W	C	C	C	Wetland	Damp lowlands, near water	2	2		1	1							
<i>Pterostichus strenuus</i>	Rough-chested Blackclock GB	T	C	C	C	Roughs	Most habitats esp grassland		2										
<i>Pterostichus vernalis</i>	Spring Blackclock GB	T	C	L	L	Roughs	Damp or shaded lowlands, esp grassland	1											
							<b>46+ Rove Beetle species:</b>												
<i>Stenus bifoveolatus</i>	Camphor Beetle	W	C/L	VL	C	Wetland	Range of wetlands, low & tall veg	1			2	1	1	1					
<i>Stenus bimaeculatus</i>	Spotted Camphor Beetle	W	C/L	L	L	Wetland	Wetlands esp floodplains with trees	2											
<i>Stenus brunniipes</i>	Brown Camphor Beetle	T	C/L	L	C/L	Roughs	Grassland, dunes, heaths, dry peat	1											
<i>Stenus cicindeloides</i>	Shining Camphor Beetle	W	C	L	C	Wetland	Wet grassland esp Juncus and others	3	2		1		1	1					

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<i>Stenus fulvicornis</i>	Camphor Beetle	W	C/L	L	L	Wetland	Rush pasture etc	6											
<i>Stenus impressus</i>	Spurred Camphor Beetle	W	C	L	L	Wetland	Woods, dunes, marshes, mountains		2					1					
<i>Stenus junco</i>	Hairy-chested Black Camphor Beetle	W	C	L	C/L	Wetland	Wetlands of many kinds	3	1		2	1	1						
<i>Stenus latifrons</i>	Camphor Beetle	W	C/L	VL	VL	Wetland	Lake margins, fens, swamps	1			1	1							
<i>Stenus nitidiusculus</i>	Uneven-elytraed Camphor Beetle	W	C/L	L	L	Wetland	Moss, peat, Iris, Juncus, wet pasture	2			1	1		1					
<i>Stenus ossium</i>	Camphor Beetle	W	C/L	VL	L	Wetland	socks in marshes, dryish grassland, dunes	1	2										
<i>Stenus pallipes</i>	Tapered Yellow-legged Camphor Beetle	W	L	NC	NC	Wetland	Litter of marsh, fen, swamp	2											
<i>Stenus picipes</i>	Camphor Beetle	T	C/L	VL	L	Wetland	Dry to wet grassland							1					
<i>Stenus picipennis</i>	Camphor Beetle	W	C/L	VL	VL	Wetland	Juncus, Watercress, stream, marsh, dunes	1			2	1	1						
<i>Stenus pusillus</i>	2-hollowed Camphor Beetle	W	NB	VL	L	Wetland	Marshes, ditches, pond edges, grassland	1	1		1	1							
<i>Stenus similis</i>	Camphor Beetle	H+	C/L	L	C/L	Heaths	Drier grassland & heathland, mountains	6	4	1	2		2						
<i>Acidota crenata</i>	Red Rove Beetle	W+	C/L	VL	VL	Wetland	Litter, moss, forests, bogs	1											
<i>Acrotrichis</i> (at least two species)	Feather-wing Rove Beetle (1mm)	T/W					Taken in ground vegetation	6	3					1					
<i>Aleocharinae</i> (several species)	Brown Rove Beetles (various)	W				Wetland		8	6	1	4	1	3	1					
<i>Aleochara lanuginosa</i>	Red-winged Aleochara Beetle	T	C/L	VL	C	Roughs	Dung, carcasses, grass tussocks	1			1		1						
<i>Aleochara sparsa</i>	Brown Aleochara Beetle	T	L	NC	VL	Pasture	Carrion, dung, nests, burrows, litter	1											
<i>Anotylus rugosus</i>	Dull-nosed Ridged Rove Beetle	W	C/L	L	C	Wetland	Damp veg litter, esp marshes	1			1		1						
<i>Anthobium unicolor</i>	Larger Red Brown Anthobium Beetle	T	C/L	L	C/L	Wood edge	Leaf litter in /near woods		2										
<i>Hygronoma dimidiata</i>	Yellow+brown-winged Rove Beetle	W	C/L	VL	VL	Wetland	Margins of rivers, ponds, reeds, peat							1					
<i>Lathrobium terminatum</i>	Yellow-flash Rove Beetle	W	C/L	VL	VL	Wetland	Wet mire and marsh		1										
<i>Lesteva longoelytrata</i>	Longer-winged Brown Rove Beetle	W	C/L	VL	L	Wetland	Moss/leaf litter in marshes/streams	2			1		1	1					
<i>Megalinus glabratus</i>	Red-winged Black Rove Beetle	T	C/L	NC	VL	Roughs	Grassland, wastes, sandy ground	1											
<i>Ocypus aeneocephalus</i>	Hairy Coppery Coach Horse	T	C/L	NC	VL	Roughs	Rough grassland	3	2										
<i>Ocypus olens</i>	Devil's Coach Horse	T	C/L	C/L	C	Wood edge	Variety of damp to dry soil habitats	1	4										
<i>Philonthus carbonarius</i>	Green-winged Black Rove Beetle	H+	C/L	L	C/L	Heaths	Open woods, heath-grassland	1	1										
<i>Philonthus cf jurgans</i>	Reddish-winged Rove Beetle	T	L	L	L	Wood edge	Litter piles, compost heaps		1										
<i>Philonthus sp</i>											1		1						
<i>Quedius fuliginosus</i>	Large-eyed Rove Beetle	W	C/L	VL	C/L	Wetland	Wetlands, damp roughs and woods		2										
<i>Quedius levicollis</i>	Three-eye dot Rove Beetle	T	C/L	NC	L	Roughs	Open habitats on damp to drier soil	3	3										
<i>Quedius maurorufus</i>	Larger Brown Rove Beetle	T	C/L	L	C/L	Wetland	Fens, flushes, pond margins	1			1		1	1					
<i>Quedius molochinus</i>	Red-winged Black Rove Beetle	T	C/L	VL	L	Roughs	Leaf litter on damp soils		2										
<i>Quedius schatzmayri</i>	Part-punctured Variegated Rove Beetle	T	L	NC	VL	Roughs	Damp soils, leaf litter	1	1	1									

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<i>Quedius semiaeneus</i>	Copper & Yellow-winged Rove Beetle	T	L	NC	VL		Roughs		1										
<i>Quedius semiobscurus</i>	Red-fringed-wing Rove Beetle	T	C/L	NC	VL		Roughs		2										
<i>Quedius cf umbrinus</i>	Colourful Rove Beetle	W+	C/L	VL	L		Wetland		1										
<i>Reichenbachia juncorum</i>	Squat Rove Beetle	W	C/L	VL	L		Wetland	1											
<i>Tachinus rufipes</i>	Pale-edged Black Rove Beetle	T	C/L	VL	C		Roughs	1	2		2		2						
<i>Tachyporus chrysomelinus</i>	6-hair-edged Yellow & Black Rove	T	C		C		Roughs	1	1										
<i>Tachyporus dispar</i>	8-hair-edged Yellow & Black Rove	T	C	VL	L		Roughs		1					1					
<i>Tachyporus hypnorum</i>	Bi-coloured-pronotum Yellow & B	W+	C	L	C/L		Wetland				3		3						
<i>Tachyporus pallidus</i>	Black-headed Short-haired Yellow	W	C/L	VL	L		Wetland	1											
<i>Tachyporus solutus</i>	Black headed & tailed Y & B RB	T	C/L	NC	VL		Roughs				1		1						
<i>Xantholinus linearis</i>	Narrow-necked Rove Beetle	T	C/L	L	C		Roughs		1										
							<b>36 Weevil species:</b>												
<i>Anthonomus rubi</i>	Strawberry-blossom Weevil	T	C/L	VL	L		Wood edge				1		1						
<i>Apion frumentarium</i>	Orange Dock Weevil	T	C/L	C	C		Roughs	2			2		2						
<i>Apion rubens</i>	Sheep's Sorrel Red Weevil	T	L	NC	VL		Roughs	1											
<i>Archarius salicivorus</i>	Willow Gall Weevil	W+	C/L	NC	C/L		Wetland			1	1		1						
<i>Betulapion simile</i>	Bearded Birch Apion Weevil	T	L	L	L		Wood edge							1					
<i>Ceratapion gibbirostre</i>	Wide-nosed Thistle Weevil	T+	L	VL	L		Roughs				1		1						
<i>Ceutorhynchus obstructus</i>	Cabbage Seed Weevil (embedded s	T	C/L	NC(old)	L		Roughs			1	1		1						
<i>Cionus scrophulariae</i>	Figwort Weevil	T	C/L	C/L	VL		Roughs				1		1						
<i>Coelositona cambricus</i>	Welsh Sitona Weevil	W	C/L	VL	VL		Wetland	1											
<i>Dorytomus melanophthalmus</i>	Cylindrical Orange Weevil	W+	C/L	NC	NC		Wetland		1										
<i>Exapion ulicis</i>	Gorse Weevil	T	C/L	L	C/L		Heaths	1											
<i>Holotrichapion pisi</i>	Bulging-eyed hairy-nosed Weevil	T	C/L	NC	VL		Flower meadows	1											
<i>Hylesinus varius</i>	Ash Bark Weevil	T	C/L	NC	VL		Wood edge		1										
<i>Hypera nigrirostris</i>	Black-nosed Clover Weevil	T	C/L	L	VL		Flower meadows				1		1						
<i>Hypera rumicis</i>	Broad-nosed Dock Weevil	T/W	C/L	VL	L		Roughs			1	1		1						
<i>Mecinus pascuorum</i>	Squat red-patched Ribwort Weevil	T	C/L	VL	L		Flower meadows			1									
<i>Nedyus quadrimaculatus</i>	Small White-patched Nettle Weevil	T	C	C/L	C		Wood edge		2	1	3		3			1			
<i>Notaris acridulus</i>	Pale-rear-tipped Wetland Weevil	T	C/L	NC	C/L		Wetland	1						1					
<i>Oxystoma cerdo</i>	Small pinch-nosed antennae 1 yellow	T	NB	VL	L		Flower meadows				1		1						
<i>Pelenomus quadrituberculatus</i>	Persicaria Weevil	W+	C/L	NC	VL		Wetland				1		1						

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<i>Perapion curtirostre</i>	Common Black Dock Weevil	T+	C/L	VL	C/L	Roughs	Well vegetated areas with Rumex			1	1		1						
<i>Perapion hydrolapathi</i>	Straight-sided Blue Dock Weevil	T+	C/L	NC	C/L	Roughs	Docks				1		1						
<i>Perapion violaceum</i>	Curved-sided Blue Dock Weevil	T+	C/L	VL	C/L	Roughs	Docks			1									
<i>Phyllobius pomaceus</i>	Glaucous Nettle Weevil	T	C	C/L	C	Wood edge	Nettles mostly				8		8			1			
<i>Phyllobius pyri</i>	Common Leaf Weevil	T	C	C/L	C	Wood edge	Trees and shrubs			1	7		7						
<i>Phyllobius roboretanus</i>	Small Green Nettle Weevil	T	C	L	C/L	Wood edge	Trees and shrubs and herbs			1	7		7			1			
<i>Protapion assimile</i>	Clover Seed Weevil	T	C/L	VL	VL	Flower meadows	On Clover	3	1										
<i>Protapion fulvipes</i>	White Clover Seed Weevil Yellow-	T	C	L	L	Flower meadows	White Clover	1						1					
<i>Protapion trifolii</i>	Red Clover Seed Weevil	T	C/L	NC	L	Flower meadows	Red Clover, Zig-zag Clover				1		1						
<i>Rhamphus pulicarius</i>	Large-eyed Willow Flea Weevil	W	C/L	VL	L	Wetland	Willows, Birch, Bog-myrtle							1					
<i>Rhinoncus pericarpus</i>	Smooth Cream-spotted Sorrel Weev	T	C	VL	C/L	Flower meadows	Sorrel & Docks			1	4		4						
<i>Sitona cylindricollis</i>	Narrow Sitona Weevil (pron punctu	T	L	NC	L	Flower meadows	Melilotus				3		3						
<i>Sitona hispidulus</i>	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	1	1	1		1						
<i>Sitona suturalis</i>	Striped Sitona Weevil	T	C/L	VL	VL	Flower meadows	Meadow Vetchling, vetches			1									
<i>Trichosirocalus troglodytes</i>	Square-backed Ribwort Plantain W	T	C/L	L	C/L	Flower meadows	Ribwort Plantain	3		1									
							<b>16 Dung specialists:</b>												
<i>Aphodius (Acrossus) rufipes</i>	Red & Black Dung Beetle	T	C/L	L	C/L	Pasture	Dung of herbivores	2											
<i>Aphodius (Agrilinus) ater</i>	Small Black Dung Beetle	T	C	VL	L	Pasture	Dung of herbivores				1		1						
<i>Aphodius (Nimbus) contaminat</i>	Hairy-pronotumed Dung Beetle	T	C/L	NC	L	Pasture	Dung of herbivores	1											
<i>Aphodius (Calamosternus) gran</i>	a Dung Beetle	T	C/L	NC	VL	Pasture	Dung of herbivores	1											
<i>Aphodius pedellus</i>	Orange-winged dark-fronted Dung	T	L	NC	VL	Pasture	Dung of herbivores	1											
<i>Aphodius (Melinopterus) prodr</i>	Dark-faced Brown Dung Beetle	T	C/L	VL	C	Pasture	Dung of herbivores	1											
<i>Aphodius (Melinopterus) sphae</i>	Yellow-edged Dung Beetle	T	C/L	NC	C/L	Pasture	Dung of herbivores	1											
<i>Geotrupes spiniger</i>	Dumble Dor Beetle	T	C/L	NC	VL	Pasture	Dung of herbivores	2							1	1			
<i>Cercyon impressus</i> (G Foster)	Dinted Cercyon Beetle	W+	C/L	L	C	Pasture	w/sheep dung.Rotting veg e.g. in marsh	1	2										
<i>Cercyon lateralis</i> (G Foster)	Bordered Cercyon Beetle	T	C/L	VL	L	Pasture	Dung, compost, carrion.	1	1		1		1						
<i>Cercyon melanocephalus</i> (G Fo	Black-headed Cercyon Beetle	T	C/L	VL	C	Pasture	Dung, esp sheep.	1											
<i>Cercyon pygmaeus</i>	Pigmy Cercyon Beetle	T	C/L	VL	L	Pasture	Dung, rotting veg, compost	1											
<i>Cryptopleurum minutum</i> (G Fo	Hairy Dome Scavenger Beetle	T	C/L	L	C/L	Pasture	Dung, rotting vegetation	1											
<i>Sphaeridium lunatum</i>	Black-Red-Yellow Dung Beetle	T	C/L	VL	L	Pasture	Horse & cow dung, carcasses, compost	1			1		1						
<i>Oxytelus laqueatus</i>	Pale-winged Grooved Rove Beetle	T	C/L	VL	L	Pasture	Dung of herbivores	1	1					1					

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<i>Platystethus arenarius</i>	Dung Rove Beetle	T	C	VL	C/L	Pasture	Dung of herbivores	1											
							<b>31 Other Beetle species:</b>												
<i>Agapanthia villosoviridescens</i>	Golden-bloomed Grey Longhorn B	T	C/L	C	C	Flower meadows	Moist meadows/hedges. Umbellifer/nettle			1									
<i>Anaspis fasciata (humeralis)</i>	One-pronged Tumbling Flower Bee	T	C/L	VL	L	Flower meadows	Hawthorn/Blackthorn/spring flowers				1		1						
<i>Anaspis maculata</i>	Spotted Tumbling Flower Beetle	T	C/L	C/L	C	Wood edge	Hawthorn, Elder, Hogweed, Daisy etc			1	8		8						
<i>Anaspis regimbarti</i>	Orange & Brown Flower Beetle	T	C/L	VL	L	Flower meadows	Hawthorn/Blackthorn/spring flowers			1	2		2						
<i>Anaspis rufilabris</i>	Pale-spurred Brown Flower Beetle	T	C/L	VL	L	Flower meadows	Hawthorn/Blackthorn/spring flowers			1	3		3						
<i>Anthocomus rufus</i>	Red and Black Beetle	W	C/L	VL	L	Wetland	Wetter areas around reedbeds & margins	2						1					
<i>Atomaria lewisi</i>	Oriental Silken Fungus Beetle	T	A	VL	C/L	Wood edge	Decaying plant material. Hawthorn flower			1									
<i>Atomaria mesomela</i>	Centrally-dark Silken Fungus Beetle	T	C/L	VL	VL	Roughs	Damp meadows, rotting hay	2											
<i>Brachypterus glaber</i>	Black-legged Short-winged Nettle B	T	C/L	C/L	C	Wood edge	Nettles and umbels				6		6			1			
<i>Brachypterus urticae</i>	Pale-legged Short-winged Nettle B	T	C	L	C	Wood edge	Nettle flowers & buds	1	1		10		10			1			
<i>Byturus tomentosus</i>	Raspberry Beetle (elytral flanks visi	T	C/L	C/L	C	Wood edge	Eggs laid on Rubus; Adult flower feeder				1		1						
<i>Cartodere bifasciata</i>	Spotted Cartodere Latrid	T	A	VL	L	Wood edge	Fungi. Compost, leaf litter, logs.	2	1										
<i>Catops nigricans</i>	Sharp-cornered Catops Beetle	T	C/L	NC	L	Wood edge	Carrion, fungi, burrows, caves		1										
<i>Catops morio</i>	Stout-paramered Catops Beetle	T	C/L	NC	VL	Wood edge	Carrion, fungi, burrows, caves		1										
<i>Catops tristis</i>	Point-tipped Catops Beetle	T	C/L	VL	VL	Wood edge	Carrion, fungi, burrows, caves		1										
<i>Corticarina minuta (fuscula)</i>	Round-pronotum Latrid (1.5 to 1.8)	T	C/L	VL	C/L	Wood edge	Fungi. Compost, leaf litter, logs.		1		1		1						
<i>Corticicaria gibbosa</i>	Narrow-pronotum Latrid (no 1st ste	T	C	L	C	Wood edge	Flowers	1	1					1					
<i>Enicmus transversus</i>	Broad Brown Latrid	T	C/L	VL	C/L	Wood edge	Woods, wetlands, wastes				1		1						
<i>Epuraea biguttata agg</i>	Orange Sap-feeding Beetle	T	C/L	VL	VL	Wood edge	Sap of trees, maybe fruit	1	1										
<i>Grammoptera ruficornis</i>	Red-antennaed Longhorn	T	C	C/L	C	Wood edge	Dead twigs, flowers, trees, shrubs, Hogwe				2		2						
<i>Lagria hirta</i>	Yellow and Black Bristly Beetle	T	C/L	C/L	C	Flower meadows	Larvae in ground layer; adults on flower		1										
<i>Hoplia philanthus</i>	Welsh Chafer	T	C/L	C/L	C	Flower meadows	Meadows, hedges, wood edge	2	2						1	1			1.00
<i>Meligethes aeneus</i>	Green-hued Simple-femured Pollen	T	C	C/L	C	Flower meadows	Grasses; Yellow flowers, esp Oil Seed R			2	5		5						
<i>Micrambe ulicis (vini)</i>	Gorse Beetle	T	C/L	NC	L	Heaths	Gorse	1											
<i>Nicrophorus vespilloides</i>	Black-antennaed Yellow-banded B	T	C	C	C	Roughs	Carrion	1	1										
<i>Oedemera lurida</i>	Small False Blister Beetle (purple/g	T	C/L	C/L	C	Roughs	Open areas with pollen, dead stems			1	3		3			1			
<i>Oedemera nobilis</i>	Green Swollen-thighed Beetle	T	C/L	C/L	C	Flower meadows	Flower meadows, gardens, roughs			1	2		2						
<i>Pyrochroa serraticornis</i>	Red-headed Cardinal Beetle	T	C/L	L	C/L	Wood edge	Predatory. Docks, Nettle, umbels. Timbe				1		1						
<i>Soronia grisea</i>	Mottled Sap-feeding Beetle	T	C/L	VL	VL	Wood edge	Sap runs on trees		1										
<i>Sciodrepoides watsoni</i>	Narrower-pronotum Sciodrepoid	T	C/L	VL	VL	Roughs	Carrion, fungi, nest, grassland & heath		2										

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<i>Telmatophilus typhae</i>	Greater Reedmace Pollen Beetle	W	C/L	NC	L	Wetland	Greater Reedmace			1		1						
<i>Telmatophilus caricis</i>	Burreed Pollen Beetle	W	C/L	VL	L	Wetland	On Burreed	1							1			
<b>DIPTERA:</b>	<b>TRUE FLIES:</b>						<b>32 Hoverfly species:</b>											
<i>Cheilosia albitarsis</i>	Buttercup Blacket Hoverfly	T	C	C/L	L	Flower meadows	Buttercups: damp meadows, marsh, ride			1		1						
<i>Episyrphus balteatus</i>	Marmalade Hoverfly	T	C	C	C	Flower meadows	All habitats, larvae eat aphids	1		4		4						
<i>Eristalis horticola</i>	Thin-dark-legged Eristalis Hoverfly	A+	C/L	C/L	C/L	Wetland	Ditches, bramble, woods, hedges			1								
<i>Eristalis intricarius</i>	Furry Dronefly	A+	C/L	C/L	C	Wetland	Swampy wetlands. Blackthorn, Willow			1								
<i>Eristalis nemorum (Interruptus)</i>	Narrow-black-striped Eristalis Hov	A+	C	C	C	Wetland	Flower meadow, woodland rides, hedge	1										
<i>Eristalis pertinax</i>	Yellow-footed Eristalis Hoverfly	A+	C	C	C	Wetland	Farm drains etc. Wood rides. Flowers										1	
<i>Eristalis tenax</i>	Common Dronefly	A+	C	C	C	Wetland	Riched water/pollen/ivy/buildings in w	2	2	2	1		1					
<i>Eupeodes corollae</i>	Yellow-spectacled Hoverfly	T	C/L	C	C	Flower meadows	Many habitats. Often migrant			1	1		1		1			
<i>Helophilus pendulus</i>	Common Striped-thorax Hoverfly (	A+	C	C	C	Wetland	Wetlands, ranging far for pollen	3	1	1								
<i>Melanogaster hirtella</i>	Common Marsh Hoverfly	A+	C/L	L	C/L	Wetland	Aquatic larvae in reeds; Buttercups				7		7					
<i>Melanostoma mellinum</i>	Narrowly-dusted Orange-clubbed H	W+	C	C	C	Wetland	Grasslands esp moorland flushes	1	1	2	2		2					
<i>Melanostoma scalare</i>	Broadly-dusted Orange-clubbed H	T	C	C	C	Wood edge	Grassland, scrub, wood rides.	1	2		6		6		1			
<i>Myathropa florea</i>	Batman Hoverfly	T	C/L	C	C	Wood edge	holes. Blackthorn, Cherry, umbels, bran										1	
<i>Neoascia meticulosa</i>	Yellow-kneed Clubtail Hoverfly	A+	C/L	L	L	Wetland	Aquatic larvae in reeds; Buttercups			1	2		2					
<i>Neoascia tenur</i>	Black-tipped, clear-winged Fat-thig	W	C/L	C/L	C/L	Wetland	Marshes, fens, heaths, reeds, reedmace	1										
<i>Pipiza noctiluca</i>	Common Pipiza Hoverfly	T	C/L	L	C/L	Wood edge	Brambles, Umbellifers, often woods				1		1					
<i>Platycheirus albimanus</i>	Common Silver-spotted Hoverfly	T	C	C/L	C	Wood edge	Wood edge, hedge, gardens. Aphids	1	1	1	4		4					
<i>Platycheirus angustatus</i>	Lightening-pitted Orange-spot Hov	W+	C/L	C/L	C/L	Wetland	Marshes, damp grass + dry grass	1		1	2		2					
<i>Platycheirus clypeatus</i>	Round-pitted Orange-spot Hoverfly	W+	C	C/L	C	Wetland	Dry grass, wet meadows, fens	1	1	2	5		5		1			
<i>Platycheirus granditarsus</i>	Orange-saddled Hoverfly	W	C/L	C/L	C	Wetland	Marshy meadows, lush waterside veg	3			2		2					
<i>Platycheirus manicatus</i>	Dull-backed Boxer Hoverfly	T	C/L	C/L	C/L	Roughs	Dry grassland of calc, coast, moor				1		1					
<i>Platycheirus peltatus</i>	Broad Orange-spotted Hoverfly	T	C/L	C/L	C/L	Wood edge	Meadows, rides, open scrub, clearings				1		1					
<i>Platycheirus rosarum</i>	Two-spotted Hoverfly	W	C/L	C/L	L	Wetland	Marshy meadows, lush waterside veg				5		5					
<i>Platycheirus (unknown)</i>								1										
<i>Platycheirus scutatus group (fer</i>	Female hoverfly (1 of 3/4 species)	T	C/L	C/L	L	Wood edge	Woodland edge trees & flowers				1		1					
<i>Riponnensia splendens</i>	Splended Riponnensia Hoverfly	W+	C/L	L	L	Wetland	Marsh, wet meadow, damp woods			1								
<i>Scaeva pyrastris</i>	White-clubbed Hoverfly	T	C/L	C/L	C	Roughs	Gardens, roughs, meadows										1	
<i>Sphaerophoria interrupta</i>	Thumb Sphaerophoria Hoverfly	T	C/L	L	L	Wood edge	Damp grass, aphids on Red Champion et			1								
<i>Sphaerophoria scripta</i>	Bi-width-process Spaerophoria Hov	T	C/L	C/L	C	Flower meadows	pile species. Larvae eat ground level ap			1								

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<i>Sphaerophoria (females)</i>		T				Larvae eat Aphids				3		3						
<i>Syrphia pipiens</i>	The Fat-femured Hoverfly	T	C	C	C	Wood edge	Most places inc gardens, ivy			4		4						
<i>Syrphus ribesii</i>	Hoverfly (yellow femur)	T	C	C	C	Wood edge	Garden, hedge, wood, roughs, wastes		1									
<i>Volucella bombylans</i>	Black Yellow & White Hoverfly	T	C/L	C	C	Flower meadows	Edge of flowers. Larvae in Bumblebee ne		1									
<i>Volucella pellucens</i>	Large Pied Hoverfly	T	C	C/L	C	Wood edge	Woods, umbellifers, glades. Larvae in wasp		1									
							<b>7 Soldierfly &amp; allies species:</b>											
<i>Beris chalybata</i>	Murky-legged Black Legionnaire Soldierfly	T	C	C/L	C	Wood edge	Lush veg, hedges, rides, marshes		1	2		2						
<i>Chorisops tibialis</i>	Dull 4-spined Legionnaire Soldierfly	T	C	L	L	Wood edge	Woodland, scrub, isolated trees		1									
<i>Haematopota pluvialis</i>	Notch-horned Cleg	T	C	C	C	Roughs	Open, less improved countryside with man	1										
<i>Microchrysa cyaneiventris</i>	Black Gem Soldierfly	T	C/L	C/L	C	Wood edge	Trees and shrubs			1		1						
<i>Microchrysa flavicornis</i>	Green Gem Soldierfly	T	C	VL	L	Wood edge	Tree, shrub foliage; larvae in dung			2		2						
<i>Rhagio scolopaceus</i>	Downlooker Snipefly	T	C	C	C	Roughs	Damp meadows, isolated trees			2		2						
<i>Symphomyia crassicornis</i>	Moorland Snipefly	W	NS	VL	NC	Wetland	Moors, wet meadows, streams, dunes			1		1						
<i>Stratiomyidae</i>	Aquatic/Marsh larva	A+				Wetland	Wetlands	3	4									
							<b>40 Cranefly species:</b>											
<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	L	C	Wetland	Wet woods, marsh, ponds, damp grass	2		1		1	1					
<i>Dicranomyia morio</i>	a Clear-winged Brown Cranefly	W	C/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>Eriocnopa diuturna</i>	Grey October Cranefly	W	C/L	L	L	Wetland	Wet meadows, floodplains, moors, bogs	3	2									
<i>Eriocnopa trivialis</i>	Grey Scythe Cranefly	W	C	C/L	C	Wetland	Wetlands, wet woods,	2	3	1		1	1					
<i>Erioptera flavata</i>	Small Yellow Cranefly	W	C/L	VL	VL	Wetland	Peat bogs, ditches, ponds		1									
<i>Erioptera fuscipennis</i>	Small Grey Cranefly	W	C/L	L	C/L	Wetland	Muddy places upland/lowland	1										
<i>Erioptera fusculentata</i>	Yellow-shoulder Grey/Brown Crane	W	C/L	VL	VL	Wetland	Muddy places upland/lowland	1		1		1						
<i>Erioptera lutea lutea</i>	Black-haltered Orange-sided Crane	W	C	VL	C/L	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 Short-palped	W	C	C/L	C	Wetland	Damp, mossy, shady places	1	1	1								
<i>Molophilus griseus</i>	Small hairy-winged yellow Heron C	W+	C	C/L	C	Wetland	Bogs, farmland, woods, hedges		1									
<i>Molophilus obscurus</i>	Yellow-scutellumed Cranefly	W	C	L	C/L	Wetland	Wet pastures etc	3										
<i>Molophilus ochraceus</i>	Small Yellow Cranefly	W	C	L	C/L	Wetland	Wet, shaded habitats, wet woods, bog	1										
<i>Nephrotoma guestfalica</i>	Hairy-backed Tiger Cranefly	W	C/L	NC	L	Wetland	Sandy riversides, wetland, wooded			1		1						

Elton Reservoir Basin Country Park Invertebrate Survey		Hab	E/W	GM	Ch		Habitat per literature	Goit	With	Elton	SMD	Doffer	Spen	WNR	MBB	Coney	Black	Irwell	Dog
<i>Ormosia hederæ</i>	U-appendaged Cranefly	W	C	C/L	C/L	Wetland	Damp woods, hedges, wood edge	1	1										
<i>Ormosia sp</i>	5-lobed aquatic larvae	A+				Wetland					1	1							
<i>Paradelphomyia senilis</i>	Brown Seepage Cranefly	W	C	L	L	Wetland	Calcareous & acid seepages	3											
<i>Pedicia rivosa</i>	Large Stripe-winged Cranefly	A+	C/L	L	L	Wetland	Bog, moors, wet woods	1						1					
<i>Phylidorea ferruginea</i>	Black-tipped Orange Cranefly	W	C	C/L	C/L	Wetland	Ponds & rushy ditches	7	3					1		1			
<i>Phylidorea fulvonervosa</i>	Black-lined Orange Cranefly	W	C	L	C/L	Wetland	Wet woods, mire, moors	1											
<i>Pilaria discicollis</i>	Grey Orange Black Cranefly	W	C	C/L	C/L	Wetland	Lush pond, seepage, stream, flush	1											
<i>Prionocera turcica</i>	Yellow-nosed Cranefly adult+ larva	A+	C/L	L	C/L	Wetland	Bog, wet heath, marsh				1		1						
<i>Pseudolimnophila lucorum</i>	Grey & Brown Cranefly	W	C	VL	L	Wetland	Wet wood, bog, carr, seepage <7ph	1											
<i>Ptychoptera albimana</i>	Pale-footed Cranefly	W	C	C/L	C	Wetland	Peat bog, carr, fen, swamp, rush pasture	2							1				
<i>Ptychoptera scutellaris</i>	Hairy-tipped-wing Cranefly	W	C/L	VL	VL	Wetland	Seepage/ditch	1											
<i>Tipula confusa</i>	V-marked Mottle-winged Cranefly	W+	C	C/L	C/L	Wetland	Variety of habitats with moss			1									
<i>Tipula fulvipennis</i>	Wing-centre-spot Cranefly	W	C	C	C	Wetland	et wood, wet grass, muddy water margin		1										
<i>Tipula lateralis</i>	Streak-winged Cranefly	W	C	C/L	C/L	Wetland	Damp stream and lakesides		1										
<i>Tipula luteipennis</i>	Yellow-winged Orange Cranefly	W	C/L	L	L	Wetland	Wet ground with rushes	4						1					
<i>Tipula maxima</i>	Large band-wing Cranefly	A+	C	C/L	C/L	Wetland	Wet grassland, wooded watercourses			1				1					
<i>Tipula oleracea</i>	Long-winged Long-palped Cranefly	W+	C	C	C	Roughs	Damp grassland	2	1		2		2	1					
<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	C	Roughs	Damp grassland	1	4										
<i>Tipula variicornis variicornis</i>	Black-ringed Dagger Cranefly	A+	C/L	C/L	C/L	Wetland	Wet wood, wet heath, mosslands	2	1										
<i>Tipula vittata</i>	Streak-winged Spring Cranefly	A+	C	L	C/L	Wetland	Wet wood, heath	2	3										
<i>Trichocera annulata</i>	a Winter Cranefly	T	C/L	L	L	Wood edge	Woodland		1										
<i>Trichocera saltator</i>	a Winter Cranefly	T	C/L	L	C/L	Wood edge	Woodland, cow dung, higher ground							1					
<i>Tricyphona immaculata</i>	Grey Orange-legged Cranefly	W	C	C/L	C	Wetland	Wetlands of many types	2	5					1					
<i>Tipulidae</i>	Larva/Pupa (undeterminable)	A+										1							
							<b>37 other Nematocera taxa:</b>												
<i>Bibio nigriventris</i>	Short-horned Bibio	T	C/L	VL	VL	Wood edge	Trees and shrubs and grassland				1		1						
<i>Dilophus febrilis</i>	Smoky-winged Fever-fly	T	C/L	C/L	C/L	Roughs	Low vegetation	1	2										
<i>Dilophus femoratus</i>	Milky-winged Feverfly	T	C/L	NC	L	Roughs	Umbellifers in damper areas				1		1						
<i>Chaoborus sp &amp; c</i>	Phantom Midge	A+				Wetland	Ponds/ditches	1			3	1	2	2					
<i>Aedes sp</i>	Mosquito	A+				Wetland	rt shaded swamps/ pools. Mammal blo	1											
<i>Anopheles sp</i>	Mosquito	A+				Wetland	Wetlands and water butts	2		1	1	1							

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<i>Coquillettia richiardii</i>	Piercing-syphoned Mosquito	A+	L	NC	VL	Wetland	Vegetated ponds etc	1			1	1							
<i>Culex pipiens</i>	Mosquito	A+	C/L	C/L	C	Wetland	Wetlands and water butts	1											
<i>Culiseta cf annulata</i>	Mosquito	A+	C/L	L	C	Wetland	Wetlands and water butts	2	1										
<i>Culiseta morsitans</i>	Long-siphoned Mosquito	A+	C/L	NC	L	Wetland	Pools, ponds, ditches	1											
<i>Culiseta sp</i>	Mosquito	A+				Wetland	Wetlands and water butts							1					
<i>Culicidae (unidentifiable)</i>	Mosquito	A+				Wetland	Wetlands and water butts		1										
<i>Serromyia cf femorata</i> (adults)	Large-femured Biting Midge	A+	L	NC	NC	Wetland	Wetlands		1										
<i>Ceratopogonidae (adults)</i>	Biting Midges	A+				Wetland	Wetlands				2		2						
<i>Ceratopogonidae (Atrichopogon)</i>	Biting Midges	A+				Wetland	Wetlands	1	2					1					
<i>Ceratopogonidae (Bezzia larvae)</i>	Biting Midges	A+				Wetland	Wetlands	1	1										
<i>Chironomidae (large adults)</i>	Non-biting Midges	A+				Wetland	Ponds/ditches	7	7	2	3		3						
<i>Chironomidae (tiny adults)</i>	Non-biting Midges	A+				Wetland	Ponds/ditches	8	9	2	9	1	8			1			
<i>Chironomidae (red larvae)</i>	Non-biting Midges (bloodworm)	A+				Wetland	Wetlands	7	3	1	4	1	3	2		1			
<i>Corynoneura</i> (larvae)	Non-biting Midge	A+				Wetland	Wetlands	1											
<i>Orthocladinae</i> (larvae)	Non-biting Midges	A+				Wetland	Wetlands	7	3	1									
<i>Podominae</i> (larvae)	Non-biting Midge	A+				Wetland	Wetlands	4			1	1		1					
<i>Tanypodinae</i> (larvae)	Non-biting Midge (Narrow Head)	A+				Wetland	Wetlands	2			1	1							
<i>Tanypodinae</i> (larvae)	Non-biting Midge (Wide Head)	A+				Wetland	Wetlands	2											
<i>Tanytarsini</i> (larvae)	Non-biting Midge	A+				Wetland	Ponds and streams	2											
<i>Keroplastidae</i>	Fungus Gnats	T				Wood edge	Fungus, rotting wood. Woods				1		1						
<i>Mycetophilidae</i>	Fungus Gnats	T				Wood edge	Fungi, mycelium, nests, tall, shady veg		4					1					
<i>Sciaridae</i>	Black Fungus Gnats	W+				Wetland	Mainly wet habitats. Multi-strategy	7	5	2	7		7						
<i>Sylvicola cinctus</i>	Common Window Gnat	T	C/L	C/L	C	Roughs	Larvae found in decaying matter	2	4										
<i>Sylvicola fenestralis</i>	Less Common Window Gnat	T	C/L	VL	C/L	Roughs	Larvae found in decaying matter	1											
<i>Sylvicola punctatus</i>	Spotted Window Gnat	T	C/L	VL	C	Pasture	Associated with cattle dung	6	4										
<i>Scatopsidae</i>	Dung Midges	T				Wetland	Rotting organics; marshes, open habitat	1	1										
<i>Cecidomyiidae</i>	Gall Midges (3 main groups exist)	W+				Wetland	Rotting organics; galls/mines; predatory	4	5	1						1			
<i>Dixa dilatata</i>	Meniscus Midge	A+	C/L	NC	VL	Wetland	Springs, weedy streams, peat pools	1											
<i>Dixa maculata</i>	Meniscus Midge	A+	NS	VL	VL	Wetland	Stony woodland streams	1											
<i>Dixella aestivalis</i>	Meniscus Midge	A+	C	C?	C	Wetland	Standing water, drains, near trees							1					
<i>Dixella autumnalis</i>	Meniscus Midge	A+	C/L	NC	L	Wetland	Swamps at the edges of wetlands	7	1		3	3							
<i>Dixidae</i>	Unidentified larvae	A+				Wetland			1	1				2					

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<i>Simulium cryophilum</i> (larvae)	Blackfly	A+	C/L	NC	NC	Wetland	Running water; nectar or blood		1										
<i>Simulium erythrocephalum</i> (larvae)	Blackfly	A+	L	NC	NC	Wetland	Running water; nectar or blood		1										
<i>Simuliidae</i>	Blackflies	A+				Wetland	Running water; nectar or blood	1	8	2	2		2	1					
<i>Psychodidae</i>	Moth Flies	A+				Wetland	Larvae in water; damp woods, marshes	14	6	1	1		1	1					
							<b>53 other Brachycera Fly taxa:</b>												
<i>Elgiva sollicita</i>	Brown S-veined Snail-killing Fly	W	C/L	C/L	C/L	Wetland	Ponds and ditches with snails	2	4										
<i>Limnia paludicola</i>	Marsh Stripe-backed Snail-killing Fly	W	C/L	VL	L	Wetland	Wetlands, bogs lush wood rides. Succine	1											
<i>Pherbellia griseola</i>	Little Variable Snail-killing Fly	W	NN	VL	L	Wetland	Wetland/marsh/swamp with fluctuating water l	1		1									
<i>Pherbellia schoenherri</i>	Spot-winged Little Snail-killing Fly	W	L	L	VL	Wetland	Tall wetland vegetation	1	1										
<i>Pherbina coryleti</i>	Net-winged Snail-killing Fly	W	C/L	C/L	C/L	Wetland	Wide range of swampy wetlands	2											
<i>Renocera pallida</i>	Dark-horned Mussel-killing Fly	W	C/L	L	C/L	Wetland	Wet wood, stream, lake with Pea Musse	2	1										
<i>Tetanocera arrogans</i>	Two-spined Buff Snail-killing Fly	W	C/L	VL	L	Wetland	Wetlands of all types	1											
<i>Tetanocera ferruginea</i>	Common Buff Snail-killing Fly	W	C/L	L	C/L	Wetland	Wetlands avoiding acid sites	2											
<i>Dolichopus brevipennis</i>	Wide-black-footed Green Long-leg	W	C/L		C/L	Wetland	Wetlands and roughs				1		1						
<i>Dolichopus plumipes</i>	Feather-on-stick Green Long-legged	T	C/L	L	C	Wood edge	Damper grassland and wood edge			1	7		7						
<i>Dolichopus popularis</i>	White-toed Green Long-legged Fly	T	C	L	C	Wood edge	Damper grassland and wood edge			1	2		2						
<i>Dolichopus trivialis</i>	Green Long-legged Fly	T	C/L	VL	C	Roughs	Wetlands, grasslands, woods, wetlands, gard				1		1	1					
<i>Dolichopus unguatus</i>	Green Long-legged Fly	T	C/L	VL		Wood edge	Damper grassland and wood edge				2		2			1			
<i>Gymnopternus cupreus</i>	Coppery Long-legged Fly	W+	C/L	L	L	Wetland	Wood, wet woods, wetlands, acid grass			1									
<i>Sympycnus pulicarius</i>	Flea Green Long-legged Fly	T	C/L	VL	C	Flower meadows	Open, grassy habitats				7		7						
<i>Poecilobothrus nobilitatus</i>	Dark-tipped Wing-waving Long-leg	W	C/L	C/L	C/L	Wetland	Wetlands									1			
<i>Dolichopidae</i> (females only found)	Long-legged Flies (females only found)								2					1					
<i>Empis bicuspidata</i>	Bones Dagger Fly	T	L	VL	VL	Flower meadows	Hedges and flowery meadows				9		9			1			
<i>Empis livida</i>	Large Short-veined Dagger Fly	T	C	C	C	Wood edge	Hedgerows, scrub edges				4		4						
<i>Empis nigripes</i>	Spanner Dagger Fly	T	C/L	L	C	Wood edge	Woodland, grassland, wetland				6		6						
<i>Empis nuntia</i>	Looped Dagger Fly	T	C/L	NC	L	Roughs	Wastes, grasslands, wetlands				3		3						
<i>Empis opaca</i>	Pale-legged Gift-bearing Dagger Fly	T	L	C/L	L	Wood edge	Hedges/wood edge taking pollen, insect				5		5						
<i>Empis praevia</i>	Trumpet Dagger Fly	T	L	VL	L	Wood edge	Wastes, woods, acid grass				4		4						
<i>Empis punctata</i>	Grey-backed Yellow Dagger Fly		C/L	VL	VL	Wood edge	Hedges and flowery meadows		1		2		2						
<i>Empis stercorea</i>	Concave Yellow Dagger Fly	T	C/L	L	L	Flower meadows	Lush grassy places			1	2		2			1			
<i>Empis tessellata</i>	Largest (Tessellated) Dagger Fly	T	C	L	C	Wood edge	Hedges, wood edge, umbellifers			1	2		2						
<i>Empis trigramma</i>	Ruddy-backed Yellow Dagger Fly	T	C/L	L	C/L	Wood edge	Hedges, well-vegetated areas, Hawthorn				4		4						

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<i>Hilara albipennis</i>	Milky Balloon Fly	W+	VL	C(192	VL	Wetland	Wood, semi-natural grassland, wetland				2		2						
<i>Hilara cornicula</i>	Slug-headed Balloon Fly	W+	C/L	VL	C/L	Wetland	Wetlands and scrub				2		2						
<i>Hilara hirtipes</i>	Bifid-tipped Balloon Fly	T	L	VL	VL	Wood edge	Woodland and hedges				1		1						
<i>Hilara maura</i>	Dark-hooked Balloon Fly	W+	C/L	VL	C/L	Wetland	Vegetation near water			1	3		3						
<i>Hilara quadrifasciata (quadri</i>	Balloon Fly	W+	VL	NC	L	Wetland	Vegetation near water. Hedges			1	4		4						
<i>Hilara (females)</i>	Balloon Fly	W				Streams	Usually by watercourses		1										
<i>Bicellaria nigra</i>	Humped Dance Fly	W	L	NC	VL	Wetland	Wetland Woodland	1	2										
<i>Bicellaria vana</i>	Humped Dance Fly	T	C/L	L	C/L	Wood edge	Woods, roughs, wastes, gardens		2	1	9		9			1			
<i>Chelifera precatorea/ precabun</i>	Raptor Dance Fly	W	C/L/L	VL/NC	L/NC	Wetland	Foliage near watercourses		1										
<i>Dolichocephala guttata/oblong</i>	Dog-faced Dance Fly	W	C/L	L/VL	L/L	Wetland	Wetland Woodland	1	1										
<i>Hybos femoratus</i>	Pale Hair-legged Dance Fly	W	C/L	VL	C/L	Wetland	Wetland Woodland	1											
<i>Ocydromia glabricula</i>	Yellow Black Thorax Dance Fly	T	C	VL	C	Wood edge	Damp or shady places. Larvae in dung				1		1						
<i>Platypalpus minutus (agg)</i>	Little Platypalpus Dance Fly	T	C/L	NC	C/L	Wood edge	Farmland, water, wet wood		1										
<i>Platypalpus calceatus</i>	Yellowish Dance Fly	W	C/L	VL	L	Wetland	Woodland near water	1	1										
<i>Platypalpus longicornis</i>	Long-antennaed Dance Fly	T	C/L	NC	C/L	Wood edge	Tall herb and scrub mostly		2		1		1						
<i>Platypalpus pallidiventris</i>	Striped-socks Dance Fly		C/L	C/L	C	Wood edge	Tall herb and scrub mostly	1	2										
<i>Platypalpus (unidentified female)</i>	Dance Fly								1	1									
<i>Rhamphomyia variabilis</i>	Grey Yellow-legged Dance Fly	W+	L	NC	VL	Wetland	Wooded wetland/reedbed	1											
<i>Tachypeza nubila</i>	Running Dance Fly	W	C/L	VL	C/L	Wetland	Wet Woodland	1											
<i>Lonchoptera lutea</i>	Yellow Spear-winged Fly	T	C	C	C	Roughs	Leaf litter; nectar; open habitats	5	6	2	4		4	1		1			
<i>Lonchoptera nitidifrons</i>	Glossy-faced Spear-wing Fly	W	VL	NC	NC	Wetland	Wetlands, sedges or other emergents	1											
<i>Phoridae</i>	Scuttle Flies	T					Multiple strategies	12	9	1	4		4	1					
<i>Eudorylas subterminalis</i>	Big-headed Fly	T	L	NC	LC	Wood edge	ooded area, hedges. Attacks Leafhopper									1			
<i>Eudorylas</i>											1		1						
<i>Pipunculus campestris</i>	Long-striped Big-headed Fly	T	C/L	NC	L	Wood edge	Brambles on wood edges	1		1	2		2						
<i>Pipunculus varipes (violovitshii)</i>	Yellow,black,yellow-legged BHF	T	VL	NC	NC	Roughs	Tall herb where froghoppers live		1										
<i>Dryomyza anilis</i>	Large Ruddy Dromyzid Fly	T	C	C/L	C	Wood edge	Dung, carrion, fungi, shady habitats	4	4		3		3						
<i>Heteromyza rotundicornis/comi</i>	Grey and Red Heteromyzid Fly	W+	C/L/L	NC/NC	L/L	Wetland	Mostly woodland with water	1											
<i>Suillia bicolor (Ian Andrews)</i>	Short-spined Yellow Suillia Fly	W+	C	VL	L	Wetland	Shady woodland with stream	1											
<i>Suillia notata (Ian Andrews)</i>	Feint-spotted Yellow Suillia Fly	W+	C/L	VL	L	Wetland	Mostly woodland with water, often acid	1											
<i>Heleomyzidae etc</i>								3	1										

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							<b>52 Acalypterate Fly taxa:</b>												
<i>Lonchaea sp</i>	a Blue-black Lonchaeid Fly	T				Wood edge	Rotting broad-leaved trees	1	1										
<i>Silba fumosa (Setisquamaloch)</i>	Yellow-fringed Black Lonchaeid	T	C/L	NC	C/L	Roughs	Rotting vegetables & grass, manure		1										
<i>Chamaepsila obscuritarsus</i>	Baldwin's Columbina Fly	T	C/L	NC		Flower meadows	Hedges and flowery meadows				3		3						
<i>Chamaepsila rosae</i>	Carrot Rust Fly	T+	C/L	VL	L	Roughs	Umbellifers including root crops		3		1		1						
<i>Calliopum elisae</i>	Remarkable Black Lauxanid	W	L	VL	VL	Wetland	Fens, pond edges, marshy streambanks	1	1										
<i>Meiosimyza platycephala</i>	Larger all-yellow Lauxanid	T	C/L	VL	L	Wood edge	Woodland							1					
<i>Meiosimyza rorida</i>	Peg-legged Yellow Lauxanid	T	C	L	C	Wood edge	Woods, roughs, wastes		1										
<i>Sapromyza halidayi (Calliopum)</i>	Plain Yellow Lauxanid	T	C/L	VL	C/L	Wood edge	Feeds in leaf litter		2										
<i>Tricholauxania praeusta</i>	Pale-marked Hairy-veined Lauxanid	T	C	L	C	Wood edge	Hedges, well-vegetated areas, umbels	2			3		3						
<i>Geomyza balachowskyi</i>	Pale Few-spotted Geomyza Fly	T	C/L	VL	L	Roughs	Mainly grasslands	2	1	1									
<i>Geomyza tripunctata</i>	Round-tipped Geomyza Fly	T	C	C/L	C	Roughs	Grasslands, woods, cereal fields	3	4	1	1		1						
<i>Anomoia purmunda</i>	Spectacled Picture-winged Fly	T	C/L	C/L	C	Wood edge	Eggs and larvae on Hawthorn fruits	1											
<i>Chaetostomella cylindrica</i>	a Golden Picture-winged Fly	T	C/L	L	C	Roughs	Knapweeds, Thistles									1			
<i>Dioxyna bidentis</i>	Long-lipped Picture-winged Fly	W	NN	NC	VL	Wetland	On Bidens in marshes, watersides	1		1									
<i>Opomyza florum</i>	Four-spot Yellow Cereal Fly	T	C/L	L	C	Roughs	Grasslands, woods, cereal fields	1						1					
<i>Opomyza germinationis</i>	Marked-wing Spotted Red Cereal Fly	T	C	C/L	C	Roughs	Moist habitats, grass, leaf litter	3	1		4		4						
<i>Opomyza petrei</i>	Marked-wing Striped Red Cereal Fly	T	C	C/L	C	Roughs	Unmanaged grassland, roughs, wastes	2	5		1		1						
<i>Palloptra quinque-maculata</i>	Five-spotted Orange Trembling-wing Fly	T	C/L	VL	C/L	Wood edge	Wood margins Hogweed Cow-parsley			1	2		2			1			
<i>Palloptra trimaculata</i>	Three-spotted Trembling-wing Fly	T	L	VL	VL	Wood edge	Grassland, scrub with tall herb	1	1										
<i>Palloptra umbellatarum</i>	Six-spotted Tembling -wing Fly	T	C/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/L	L	Roughs	Thistles	1	2	1									
<i>Tephritis neesii</i>	Oxeye Daisy Gall Fly	T	C/L	C	L	Flower meadows	Oxeye Daisy. Roughs	1	3										
<i>Nemopoda nitidula</i>	Unspotted Spined Ensign Fly	T	C	L	C	Roughs	Tall herb. Carrion, fungi, dung.		2					1					
<i>Sepsis cynipsea</i>	Ensign Fly with two humps on tibia	T	C	C/L	C	Pasture	Tall veg. Larvae in cow dung	1		1	2		2						
<i>Sepsis flavimana</i>	Ensign Fly with narrowed tibia	T	C/L	NC	C	Pasture	Tall veg. Larvae in cow dung	1	3		4		4						
<i>Sepsis fulgens</i>	Ensign Fly with two-spined prominent	T	C	L	C	Pasture	Tall herb. Larvae in dung	1	3	1	3		3	1					
<i>Sepsis neocynipsea</i>	Ensign Fly with spine & bump	T	C	NC	NC	Pasture	Tall veg. Larvae in cow & sheep dung				1		1						
<i>Sepsis orthocnemis</i>	Ensign Fly with fore group of two spots	T	C/L	L	C	Pasture	Tall herb. Larvae in cow dung		1		1		1						
<i>Sepsis punctum</i>	Ensign Fly with thumb, mound & lobe	T	C/L	L	C	Pasture	Tall herb. Larvae in dung	2	1					1					
<i>Themira lucida</i>	Black 2-fingered Ensign Fly	W	C/L	NC	L	Wetland	Waterfowl droppings, tall herb etc	2		1									

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<i>Themira superba</i>	Long-tailed Black Ensign Fly	W	C/L	VL	VL	Wetland	Waterfowl droppings, wetlands	1											
<i>Drosophila busckii</i>	Y-Banded Fruit Fly	T	VL	NC	NC	Wood edge	Dung, rotting veg, fruit, fungi, Oak sap	1											
<i>Drosophila funebris</i>	Paired-banded Fruit Fly	T	L	NC	L	Wood edge	Fungi, sythanthropic	1	1										
<i>Drosophila hydei</i>	Dark-sided Fruit Fly	T	L	NC	VL	Wood edge	Decaying fungi, rotting plants, fruit, Oak	1	1										
<i>Drosophila immigrans</i>	Spiny-femured Banded Fruit Fly	T	L	NC	VL	Wood edge	Oak sap, rotting fruit, fungus	3	1										
<i>Drosophila obscura</i>	Many-toothed Fruit Fly	T	L	VL	VL	Wood edge	Sap runs of Beech/Oak, fungi,	1	1										
<i>Drosophila cf melanogaster</i>	Pale-fronted Fruit Fly	T	L	NC	VL	Wood edge	Fungus, Oak, Fruit, sythanthropic	1											
<i>Drosophila phalerata</i>	Black-tipped banded Fruit Fly	T	C/L	VL	L	Wood edge	Fungi and woodlands	2											
<i>Drosophila picta</i>	Striped & Spotted Fruit Fly	W	L	NC	VL	Wetland	Reedmace Moth frass, fungi	1											
<i>Drosophila subobscura</i>	Clouded-winged Fruit Fly	W+	C/L	NC	L	Wetland	Fungi, wetlands, woodland	3	2										
<i>Drosophila sukukii</i>	Spotted-winged Fruit Fly	A	C/L	NC	VL	Wood edge	Bramble, fruit, fungi	4	5										
<i>Drosophila transversa</i>	Banded Hairy-eyed Fruit Fly	T	L	VL	VL	Wood edge	Fungi, decaying vegetation		1										
<i>Drosophilidae</i>	Fruit Flies	T									2		2						
<i>Hydrellia maura</i> (Martin Drake)	Shore Fly	W	C	NC	C/L	Wetland	Pasture, wetlands				1		1						
<i>Parydra littoralis</i>	Banded-legged Shore Fly	W	C/L	VL	C/L	Wetland	Freshwater wetlands							1					
<i>Parydra quadripunctata</i>	4-spotted Shore Fly	W	C/L	VL	VL	Wetland	Freshwater wetlands	1											
<i>Scatella stagnalis</i>	Larger Spot-winged Shore Fly	W	C/L	NC	C	Wetland	Wetland	1			2		2						
<i>Scatella tenuicosta (lacustris)</i>	Smaller Spot-winged Shore Fly	W	C/L	NC	C/L	Wetland	Wetland	1											
<i>Thaumatomyia &amp; c</i>	Yellow Swarming Grass Fly (Chlor)	T				Roughs	Permanent grasslands		1	1	7		7						
<i>Chloropidae</i>	Triangular-head mark minute yellow	T					Multiple strategies	2	1		2		2						
<i>Sphaeroceridae</i>	Lesser Dung Fly	T				Roughs	Larvae in rotting organics	8	4		5	1	4						
<i>Copromyza equina</i>	M-headed Lesser Dung Fly	T	C/L	VL	C/L	Flower meadows	Horse, sheep, cow &c dung.				1		1						
							<b>13 Calypterate Fly taxa:</b>												
<i>Mycophaga testacea</i> (T Irwin)	an Anthomyiid Fly	T	C/L	VL	VL	Wood edge	Fungi (e.g. on Beech)	1											
<i>Cleigastra apicalis</i>	Reedbed Yellow-legged Dung Fly	W	L	NC	L	Wetland	Phragmites, Typha, moth associate				1		1						
<i>Cordilura ciliata</i>	Reedbed Black Dung Fly	W	C/L	NC	VL	Wetland	Sedge + Phragmites Reed							1					
<i>Scathophaga furcata</i>	Dark-front-femur Dung Fly	T	C/L	C/L	C	Pasture	Sheep Dung, Dog, Human	2	2		6		6			1			
<i>Scathophaga inquinata</i>	Golden Dung Fly	T	C/L	L	C	Pasture	Dung, esp on moors		1										
<i>Scathophaga stercoraria</i>	Yellow Dung Fly	T	C	C/L	C	Flower meadows	Cow pats, pollen, predators	5	3	1	8		8	1		1			
<i>Scathophaga suilla</i>	Pale Yellow Dung Fly	T	C/L	L	L	Flower meadows	Farmland. Larvae unknown.	4	1		6		6	1		1			
<i>Fannidae</i>	Lesser House Flies	T					Rotting organics; Esp in or near woods		4										
<i>Haematobosca stimulans</i>	Large Meadow Bite Fly	T	C/L	L	L	Pasture	Young in Cow dung; adult bites cattle	1											

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<i>Mesembrina meridiana</i>	Noon Fly Muscid	T	C	C/L	C	Pasture	Dung breeder. Woods and tall vegetation	1	1										
<i>Muscidae</i>	House Flies	T					Multiple strategies		2										
<i>Calliphora vicina (Olga)</i>	Common Bluebottle	T	C	C	C	Roughs	Carcasses and flowering plants		1										
<i>Lucilia sericata</i>	Sheep-strike Greenbottle	T	C	C	C	Roughs	Carion, dung, refuse, rotting veg, wound	1	1	1									
<i>Calliphoridae</i>	Blue or Green Bottle Blowflies	T				Roughs	Carion; Flowers, dung, rotting organics	2	2										
<i>Calyptrate misc</i>									1	2									
<b>THYSANOPTERA:</b>	<b>THUNDERFLIES:</b>						<b>3 Thunderfly taxa:</b>												
<i>Limothrips denticornis</i>	Toothed-antenna Thunderfly	T	?	?	?	Flower meadows	Grasses	1	2										
<i>Thrip</i>	Brown (winged) Thrip	T	?	?	?	Flower meadows	Flowers/grasses	5	1	1	6		6	1		1			
<i>Thrip</i>	Yellow (winged) Thrip	T	?	?	?	Flower meadows	Flowers/grasses	1		1									
<b>DIPLURA:</b>	<b>BRISTLETAILS:</b>						<b>1 Bristletail taxa:</b>												
<i>Campodea sp</i>	Two-tailed Bristletail	T				Roughs	Soil layer/ grass thatch	1		1									
<b>COLLEMBOLA:</b>	<b>SPRINGTAILS:</b>						<b>23 Springtail species:</b>												
<i>Allacma fusca</i>	Large Dark Brown Squat Springtail	T	CW	VL	VL	Roughs	Surface debris, low vegetation				1	1							
<i>Dicyrtomina minuta</i>	Blue-tailed Squat Springtail	T	VCW	VL	L	Roughs	Surface debris, low vegetation	5	4										
<i>Dicyrtomina ornata</i>	Patterned Squat Springtail	T	VCW	VL	L	Roughs	Surface debris, low vegetation	4	1		1	1							
<i>Dicyrtomina saundersi</i>	Blue-masted Yellow Squat Springtail	T	VC	VL	L	Roughs	Surface debris, low vegetation	2	1		1	1							
<i>Heterosminthurus cf bilineatus</i>	Least Banded Squat Springtail	T	MC	NC	L	Roughs	Damp surface debris, low vegetation	1											
<i>Heterosminthurus insignis</i>	Yellow Least Squat Springtail	T	MC	VL	NC	Roughs	Damp surface debris, low vegetation	1											
<i>Sminthurus viridis</i>	Clover Springtail	T	VCW	NC	VI	Roughs	Grasses and shrubs	7			9		9			1			
<i>Isotomurus graminis (prasinus)</i>	Greenish Springtail	W	C?	NC	L	Wetland	Wet habitats	7			3	3							
<i>Isotomurus palustris</i>	Patterned Springtail	W	VC	L	L	Wetland	Damp surface debris, low vegetation	1											
<i>Isotomurus plumosus</i>	Banded Springtail	W	C	VL	L	Wetland	Wet habitat edge	2			2	2							
<i>Isotoma riparia</i>	1-striped Springtail	W	NS?	NC	L	Wetland	Stream edges, flood debris etc		2										
<i>Isotoma viridis</i>	Green Springtail	W	CW	C	C	Wetland	Range of habitats inc wetlands	5	5					1					
<i>Lepidocyrtus curvicolis</i>	Yellow Humped Springtail	T	CW	NC	L	Roughs	Surface debris, low vegetation	4			1	1							
<i>Lepidocyrtus cyaneus</i>	Brown Humped Springtail	T	VCW	NC	L	Wood edge	Leaf litter, logs	1	1										
<i>Orchesella cincta</i>	Dark-headed Patterned Springtail	T	VC	C	C	Roughs	Surface debris, low vegetation	2	2		1	1							
<i>Entomobrya albocincta</i>	Dark Ento Springtail	T	VCW	L	L	Wood edge	Under bark/dead wood/tree canopy		1										
<i>Entomobrya intermedia</i>	W-lined Patterned Springtail	T	CW	C	C	Roughs	Flowers, trees, bushes, gardens	1	5										
<i>Entomobyra multifasciata</i>	Triangles-tipped Springtail	T	VCW	L	L	Roughs	Surface debris, low vegetation	1											
<i>Entomobyra nicoleti</i>	4-dot-tipped Springtail	T	VWC	L	NC	Roughs	Surface debris, low vegetation	1											

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<i>Neanura muscorum</i>	First Springtail	T	VCW	VL	L	Wood edge	Often found under bark	2	1										
<i>Pogonognathellus longicornis</i>	Coil-antennaed Yellow Springtail	W+	VCW	C	C	Wetland	face debris, low vegetation, marsh, gar	13	9		1	1		1					
<i>Tomocerus minor</i>	Trident Brown Springtail	W+	VCW	C	C	Wetland	face debris, low vegetation, marsh, gar	9	1		2	1	1						
<i>Poduroidea (broken)</i>									1										
Column C uses W for Wetland, A for aquatic, T for Terrestrial Habitats, H for Heathland. Columns G and H describe the habitat requirements of the species																			
Columns D, E & F : Uses the JNCC Taxon Designations spreadsheet literature, NBN Atlas, iRecord, rECOrd (Cheshire) and other online atlases to give an England/Wales status and Greater Manchester and Cheshire status																			
The Cheshire with Wirral column is given so that a local comparison can be made. NB Cheshire is geographically different from most of Greater Manchester																			
A relates to Alien species - all are naturalised.																			
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																			
Un - literature states uncommon but no status assigned																			
C - Common in England and Wales																			
C/L - Common in parts of England and Wales, sparse records in other parts																			
L - Local distribution, scattered and very patchy records, not common at all																			
Springtails follows this: V = Very, M = Moderately, C = Common, W = Widespread (Per Roehampton University Website)																			
NC "Notable in County" is given if this record is the only one in Greater Manchester on iRecord, NBN or rECOrd (+ atlases or checklists)																			
LC "Local in County" is given if the records are sparse and patchy																			
VL "Very Local" is given if there are 2 - 4 records in the County																			
<b>METHODS:</b>										<b>METHODS:</b>									
Elton Goit Autumn only survey of sweep netting (1 visit) , pond netting, pitfalls, pan traps, vacuuming ( 1 visit), handsearch plus direct observation.										Other areas casual/direct observation									
Within Autumn only of sweep netting (1 visit), pond/stream netting, pitfalls, pan traps, handsearch plus direct observation.										A few verifiable records added from iRecord and iNaturalist									
Spn Moor May/June single visit for sweep netting, plus casual pond surveys & direct observation																			
Elton Reservoir 1 visit sweep netting to Bennys (autumn) , Dam and Feeder habitats (both May/June), casual pond dipping plus direct observation																			