

OLD HALL FARM RADCLIFFE BURY INVERTEBRATE SURVEY OF 2020 and 2023

By Dave Bentley Entomology and Ecology Services

06/11/2023

The work in Autumn 2020 concentrated on the southern fringe of the Priority Habitat Lowland Meadow including the wet areas, but not the Withins Brook. The work in Autumn 2023 included the three Lowland Meadow Priority Habitats. The Elton Goit survey is excluded.

Withins Brook and an Oxbow lie on the south side of the site. The western part of the site is bisected by an outflow stream from Capstick's Marsh at the SW tip of Elton Reservoir. The water collects and emerges in Capstick's Meadow and feeds into both Elton Reservoir and Capstick's Marsh, and then Capstick's Marsh then sinks to emerge as a stream which heads south and joins Withins Brook. To the east lies Elton Goit and a part of a marshy finger of that Site of Biological Importance lies within the large sloping hayfield. Brown Hares are plentiful in the hayfields.

Methods in 2020 involved pitfall traps, pan and bottle traps and netting. In 2023 the methods were sweep-netting and vacuum-sucking. Both surveys missed the high summer and spring invertebrate activity. The survey represents a fraction of what could be present.

The survey shows the value of the Lowland Meadow Priority Habitat. Indicator plants, Waxcap CHEGD, mammals, birds and invertebrates are all of high value. The plentiful Pink Waxcaps are very noteworthy.

331 taxa were recorded:

The Nationally Scarce species (red on the species list):

Allomengea vidua	Complex Money Spider	Nationally Scarce
Anoscopus (Aphrodes) albifrons	Banded Leafhopper	Nationally Notable B
Catapion pubescens	Low-foreheaded Apion Weevil	Nationally Notable B
Oxystoma cerdo	Pinch-nosed Apion Weevil	Nationally Notable B
Dioxya bidentis	Long-lipped Picture-winged Fly	Nationally Notable
Isotoma riparia	1-striped Springtail	Notable

3 of the above are Greater Manchester first records and another was last recorded pre 1960.

30 additional taxa are Greater Manchester first records (amber on the species list)

59 additional taxa have to date been recorded at just c 3 Greater Manchester sites (green on the species list).

Additionally the habitat requirements of all species is given.

The national status, Greater Manchester status from records, and for comparison, Cheshire status from records are given. NBN Atlas, iRECORD, rECORD, taxa websites and own dataset was consulted.

OLD HALL FARM RADCLIFFE BURY PRIORITY HABITAT LOWLAND
MEADOW INVERTEBRATE SURVEY 2020 +2023

davebentleyecologyatgma
il.com

DAVE BENTLEY

Methods include direct observation, butterfly net, canvas bag, hand-searching, pitfall traps and bottle traps.	Broad	Eng/ W	GM	Ch es h	Habitat	No		
Explanatory notes at foot of table	Habitat	Status	Status	Status	literature	plots		
TOTAL	331							
INVERTEBRATE TAXA:								
HIRUDINEA:	LEECHES:							
<i>Helobdella stagnalis</i>	Two-eyed White Leech	C	C	C	Wetland	Ponds and wet swamps	1	
MOLLUSCA:	SNAILS, MUSSELS & SLUGS:							
<i>Aegopinella nitidula</i>	Smooth Glass Snail	T	C	C	C	Wood edge	Woods, hedges, gardens, roughs, waste	2
<i>Cepaea sp</i>							4	
<i>Cochlicopa cf lubrica</i>	Slippery Moss Snail	T	C	C	C/L	Wood edge	Woods, hedges, damp grass, wetlands	2
<i>Cornu aspersum</i>	Garden Snail	T	A	C	C	Wood edge	Woods, hedges, gardens	1
<i>Hygromia cinctella</i>	Girdled Snail	T	A	VL	L	Wood edge	Hedges, gardens	1
<i>Monacha cantiana</i>	Pink Kentish Snail	T	A	L	C	Roughs	Roadside, railways, rough ground	1
<i>Nesovitrea hammonis</i>	Rayed Glass Snail	T	C	C?	C?	Wood edge	Widespread + acid woods	1
<i>Oxyloma elegans</i>	Pfeiffer's Amber Snail	W	C	C	C	Wetland	Wetlands	4
<i>Bathyomphalus contortus</i>	Twisted Ramshorn	A	C	L	L	Wetland	Mostly swampy ponds, also lakes, streams	1
<i>Planorbis carinatus</i>	Keeled Ramshorn	A	C	C	C	Wetland	Streams, river, ponds, lakes	1
<i>Galba truncatula</i>	Dwarf Pond Snail	W	C	C	C	Wetland	Ponds and marshes with some surface water	1
<i>Ampullaceana balthica (Lym per)</i>	Wandering Snail	A	C	C	C	Wetland	Ponds	1
<i>Stagnicola palustris</i>	Marsh Snail	A	C	C	C	Wetland	Swamps	1
<i>Pisidium sp</i>	Small/broken examples							1
<i>Arion ater</i>	Black Soil Slug	T	C	C/L	C	Roughs	Almost everywhere	1
<i>Arion distinctus</i>	Brown Soil Slug	T	C	C/L	C/L	Roughs	Woods, most semi-natural & disturbed habitats	1
<i>Arion hortensis</i>	Purple Soil Slug	T	C	C	C	Roughs	Most habitats	2
<i>Arion flagellus</i>	Green-soled Slug	T	C	C	C	Roughs	Disturbed habitats, rich soils, moors, woods.	3
<i>Arion subfuscus</i>	Yellow-slimed Dusky Slug	T	C	C	C	Roughs	All habitats, disturbed or natural	4
<i>Arion rufus</i>	Large Red Slug	T	C	C	C	Roughs	Almost all habitats	2
<i>Deroceras reticulatum</i>	Netted Field Slug	T	C	C	C	Roughs	All open habitats (not big wetlands)	2
<i>Deroceras invadens</i>	Tramp Slug (pale pore)	T	A	C	C	Roughs	Disturbed habitats	1
<i>Deroceras laeve</i>	Marsh Slug	W	C	C	C	Wetland	Wetlands, also mountains	1
HYMENOPTERA:	BEES, WASPS, ANTS, SAWFLIES:							
Ant species:								
<i>Myrmica scabrinodis</i>	Right-angle-antennaed Red Ant	W+	C/L	L	L	Wetlands	Many natural habitats, bogs.	3
Bee species:								
<i>Andrena cineraria</i>	Ashy Mining Bee	T	C	C	C/L	Wood edge	open woods, moors, river banks, quarries	1

<i>Andrena fulva</i>	Tawny Mining Bee	T	C	C/L	C/L	Flower meadows	Open grasslands, open woodland	1
<i>Apis mellifera</i>	Honey Bee	T	A	C	C	Flower meadows	Domesticated; some feral colonies	1
<i>Bombus terrestris</i>	Buff-tailed Bumblebee	T	C	C	C	Flower meadows	Most habitats inc urban, not montane	1
other Hymenoptera taxa:								
<i>Vesputula germanica</i>	German Wasp	T	C/L	C/L	C/L	Wood edge	Underground nest; predatory; flowers	3
<i>Ichneumon</i> (numerous species)		T						6
<i>Micro wasps</i> (numerous species)								8
<i>Andricus foecundatrix</i>	Artichoke Gall Wasp	T	C	C	C	Wood edge	Oak trees	1
<i>Andricus kollari</i>	Oak Marble (apple) Gall Wasp	T	C	C	C	Wood edge	Oak trees	1
<i>Andricus quercuscalicis</i>	Oak Knopper Gall Wasp	T	A	C	C	Wood edge	Oak trees	1
<i>Symphata</i> (caterpillars)	Sawfly caterpillar							3
MYRIAPODA: CENTIPEDES & MILLIPEDES:								
<i>Ommatoiulus sabulosus</i>	Common Stocky Striped Millipede	H+	C	L	C/L	Roughs	Sandy soils, acid woods, heaths, any habitat	1
<i>Ophiulus pilosus</i>	Hairy Millipede	T	C	L	C/L	Wood edge	Deciduous Woodlands	1
ORTHOPTEROIDEA: GRASSHOPPER S (+ EARWIG):								
<i>Omocestus viridulus</i>	Common Green Grasshopper	T	C	C/L	C/L	Roughs	Old grassland, damp meadows, rides	1
<i>Chorthippus parallelus</i>	Meadow Grasshopper	T	C	C/L	C	Roughs	Damp, unimproved pastures and meadows	1
<i>Forficula auricularia</i>	Common Earwig	T	C	C	C	Wood edge	Forests, agricultural, suburban areas	3
ARACHNIDA: SPIDERS, HARVESTMEN, MITES:								
Spider species:								
<i>Agalenatea redii</i>	Ruddy Orbweb Spider	H+	L	VL	L	Roughs	Heather, Gorse, roughs, damp grass	1
<i>Araneus diadematus</i>	Garden Cross Orb-web Spider	T	C	C	C	Roughs	Wide range of habitats	3
<i>Araneus quadratus</i>	4-spot Orb-web Spider	T	C/L	C	C	Roughs	Tall grasses, heather, gorse	1
<i>Larinioides cornutus</i>	Shield Orb-web Spider	W	C	C	C	Wetland	Marshes, reeds, damp grass	6
<i>Dictyna arundinacea</i>	Yellow & Brown Meshweaver Spider	H+	C/L	L	C/L	Wood edge	Roughs, wood edges, hedges, Gorse/Heather	3
<i>Pirata piraticus</i>	Cabin Hooks Otter Spider	W	C	C	C	Wetland	Wetlands, bogs	3
<i>Pardosa amenata</i> (very banded)	Lump-hammer Wolf Spider	T	C	L	C	Roughs	Wide range, inc gardens	6
<i>Pardosa nigriceps</i>	Cup & Cap Wolf Spider	H+	C/L	L	L	Roughs	Roughs, heaths, open woods, verges	1
<i>Pardosa pullata</i>	Bolster-chisel Wolf Spider	H+	C	C/L	C	Roughs	Grass, heath, moor, woods, waste	5
<i>Trochosa terricola</i>	Dark-fore-legged Wolf Spider	T	C	C/L	C/L	Roughs	Woods, roughs, heaths, wastes	2
<i>Pisaura mirabilis</i>	Nurseryweb Spider	H+	C/L	C	C	Roughs	Grassland, heaths, open woods	4
<i>Clubiona phragmitis</i>	Reedbed Sac Spider	W	C/L	L	C	Wetland	Wetlands	2
<i>Metellina mendei</i>	Stripe-bellied Spider	T	C	C/L	C	Wood edge	Bushes, vegetation etc to 2m	1
<i>Metellina segmentata</i>	Stripe-bellied Spider	T	C	C	C/L	Wood edge	Bushes, vegetation etc to 2m	4
<i>Pachygnatha clerki</i>	Tooth-fanged Long-jawed Hunting Spider	W	C	C	C	Wetland	Marshes. By water	1
<i>Pachygnatha degeeri</i>	Least Long-jawed Hunting Spider	T	C	C/L	C/L	Wood edge	Woodland rides to derelict land	3

<i>Tetragnatha extensa</i>	Banded V-marked Long-jawed Web-spinner	W	C	C	C	Wetland	Low veg close to/ over water	6
<i>Tetragnatha montana</i>	Paler solid-coloured Long-jawed Web-spinner	T	C	C	C	Wood edge	Low veg, bushes, trees	1
<i>Phylloneta impressa</i>	Banded-leg Therid Spider	T	L	L	L	Wood edge	Gorse, oak, nettles, thistles	1
<i>Phylloneta sisypbia</i>	Mothercare (net-patterned) Therid Spider	H+	C/L	C/L	C	Wood edge	Gorse + Heather, also scrub + tall herb	3
<i>Theridion varians</i>	Therid Spider	T	L	VL	C/L	Wood edge	Shrubs, trees, vegetation, walls, fences	2
<i>Philodromus aureolus</i>	Common Running Crab Spider	T	C/L	VL	C/L	Wood edge	Trees, scrub, hedge, woods	3
<i>Philodromus dispar</i>	Dimorphic Running Crab Spider	T	C/L	C/L	C	Wood edge	Vegetation, bushes, lower parts of trees	1
<i>Xysticus cristatus</i>	Common Anchor Crab Spider	T	C	C/L	C	Roughs	Low vegetation but not woodland	7
<i>Allomengea vidua</i>	Complex Money Spider	W	NS	VL	V	Wetland	Swamp, fen, marsh	1
<i>Baryphyma trifrons</i>	Yellow-legged Dark-bodied Money Spider	W	L	L	V	Wetland	Fens, marshes, swamps, damp grass, dunes	1
<i>Bathyphantes gracilis</i>	Wide-loop Money Spider	T	C	C	C	Roughs	Roughs, heaths, woods, marsh	2
<i>Cnephalocotes obscurus</i>	Saw-edged-palp Black/Yellow Money spider	T	C/L	C/L	C/L	Roughs	Detritus, moss, other vegetation	3
<i>Dicymbium nigrum</i>	Orange & Brown Money Spider	W+	C/L	L	C/L	Wetland	Bogs, marsh, wood, heath, roughs	1
<i>Gnathonarium dentatum</i>	Pelican-palped Money Spider	W	C/L	L	C/L	Wetland	Lowland wetlands, inundation grassland	1
<i>Neriene clathrata</i>	W-marked Linyphid Spider	T	C/L	C/L	C	Wood edge	Wide range in leaf litter and low veg	1
<i>Oedotheorax fuscus</i>	Brown Money Spider (seen by Rich Burkmar)	T	C	C/L	C	Roughs	Grassland, wetland, woodland, heath	3
<i>Pelecopsis parallelus</i>	Scutumed Fingered Money Spider	T	C/L	VL	V	Flower meadows	Grasslands, moss, detritus, stones	2
<i>Tenuiphantes tenuis</i>	Bolas Linyphid Spider (was Lepthy..)	T	C	C/L	C	Roughs	Low veg, moss, leaf litter, grassland, wetland	2
Harvestman species:								
<i>Nemastoma bimaculatum</i>	Two-spot Harvestman	T	C	C	C	Roughs	Most habitats inc woods and roughs	4
<i>Oligolophus hanseni</i>	Dark-eyed Harvestman	T	C/L	VL	L	Wood edge	Woodlands, Wooded gardens	1
<i>Oligolophus tridens</i>	Short-saddled Harvestman	T	C	L	C	Roughs	Most habitats, woods, gardens, roughs	5
<i>Paroligolophus agrestis</i>	Pincered Harvestman	T	C	C	C	Roughs	Most habitats inc woods and roughs	1
Mite taxa:								
<i>Camisiidae</i>	Three-lined fringed Beetle Mite	T				Roughs	Ground layer	4
<i>Parasitidae</i>	Hard Yellow Mite	T				Roughs	Ground layer	4
<i>Poecilochirus sp</i>	Phoretic Mite 50/50 on beetles	T				Roughs	Ground layer	2
<i>Ceratoppia sp</i>	Horned Bulb Mite	T				Roughs	Ground layer	1
<i>Euzetes globulus (nitens?)</i>	1mm Large Helmet Mite	T	C	C?	C	Roughs	Ground layer	6
<i>Damaeus sp</i>	Hairy-legged Mite	T				Roughs	Ground layer	1
<i>Erythraeidae</i>	1.5mm Soft Velvet Mite	T				Roughs	Ground layer	3
<i>Olgasamidae</i>	50/50 orange hard	T				Roughs	Ground layer	1
<i>Platynothis peltifer?</i>	Beetle Mite	T				Roughs	Ground layer	1
<i>Trombidiidae</i>	Red Velvet Mite	T					Ground layer	1

MALACOSTRACA :	CRUSTACEANS							
<i>Asellus aquaticus</i>	Common Hoglouse	A	C	C	C	Wetland	Wide variety of waterbodies	1
<i>Gammarus pulex</i>	Freshwater Shrimp	A	C	C	C	Wetland	Running water mostly/large waterbodies	1
<i>Oniscus asellus</i>	Common Shiny Woodlouse	T	C	C	C	Roughs	All damp habitats, woods, logs, gardens	1
<i>Philoscia muscorum</i>	Common Striped Woodlouse (head dot, lateral bands)	T	C	C	C	Roughs	Hedges, roughs, woods, gardens	6
<i>Porcellio scaber</i>	Common Rough Woodlouse	T	C	C	C	Roughs	Wide range, drier than <i>Oniscus</i>	1
<i>Trichoniscus provisorius agg</i>	Common Pigmy Woodlouse	T	C	C	C	Roughs	Damp soil and deep leaf litter	1
MEGALOPTERA:	LACEWINGS & SCORPION FLIES:							
<i>Chrysoperla carnea</i>	a Green Lacewing	T	C	L	C	Wood edge	Anywhere aphids found	2
PLECOPTERA:								
<i>Nemurella pictetii</i>	Stonefly	A+	C/L	L	L	Wetland	Still or slow water with emergents	1
TRICHOPTERA:	Caddisflies:							
<i>Limnephilus lunatus</i>	Crescent-moon Caddis	A+	C	C	C	Wetland	Streams, ponds, lakes, marshes	2
<i>Potamophylax latipennis/cingulatus</i>		A+						1
<i>Tinodes waeneri</i>	Brown Caddis (caseless)	A+	C	C	C	Streams	Stony lakes, slow rivers mainly	1
HEMIPTERA:	LAND BUGS:							
	taxa:							
	Shieldbug species:							
<i>Dolycoris baccarum</i>	Sloe (Hairy) Shieldbug	T	C	C/L	C	Wood edge	Roasaceae. Many habitats, hedges, wood edges	4
<i>Palomena prasina</i>	Green Shieldbug	T	C	C	C	Wood edge	Trees and shrubs, inc gardens	3
	Lacebug species:							
<i>Physatocheila dumetorum/confinis</i>	Lichen Lacebug	T	L	NC	V L	Wood edge	Lichen on trees, esp Hawthorn	1
	Flower Bug species:							
<i>Anthocoris nemorum</i>	2-spotted all-shining Flower Bug	T	C	C	C	Roughs	Lower vegetation with insects	3
<i>Anthocoris</i>								1
<i>Orius laevigatus</i>	4-haired pale-legged Flower Bug	T	L	NC	V L	Roughs	Grasslands, roughs	1
<i>Orius niger</i>	4-haired mostly-dark Flower Bug	H+	L	NC	V L	Roughs	Low vegetation, heaths	1
	Plant Bug species:							
<i>Apolygus spinolae</i>	Black-tipped Apolygus Plant Bug	T	C/L	L	C/ L	Roughs	Bramble, Nettle, Thistle, Meadowsweet etc	1
<i>Europiella artemisiae</i>	Mugwort Bug	T	L	NC	N C	Roughs	Mugwort	1
<i>Heterogaster urticae</i>	Grey Nettle Bug	T	C/L	L	L	Wood edge	Nettles	1
<i>Liocoris tripustulatus</i>	Three-spotted Nettle Plant Bug	T	C	C	C	Wood edge	Nettles	3
<i>Lygocoris pabulinus</i>	Common Green Capsid (pale tibia spines)	T	C	L	C	Wood edge	Woody plants + herbs esp nettles	1
<i>Lygus rugulipennis</i>	Long-haired Tarnished Plant Bug	T	C	C/L	C	Wood edge	Wide variety of herbs & shrubs	3
<i>Notostira elongata</i>	Dimorphic Hairy Unpunctured Grassbug	T	C/L	C/L	C	Roughs	Grasslands	5
<i>Orthops campestris</i>	Brown-spotted Green Green-heart Bug	T	C/L	L	L	Roughs	Umbellifers	1

<i>Plagiognathus arbustorum</i>	Olive Spotted-legged Grassbug	T	C		C	Wood edge	esp Nettles	1
<i>Plagiognathus chrysanthemii</i>	Green Spotted-legged Grassbug	T	C/L	L	L	Flower meadows	Grass & wastelands: Asteraceae	1
<i>Stenodema calcarata</i>	2-spurred Punctured Grassbug	T	C	L	C	Roughs	Grass seeds	5
<i>Stenodema holsata</i>	Short Punctured Grassbug	T	C/L	VL	V L	Roughs	Acid grasslands, mostly uplands	1
<i>Stenodema laevigata</i>	Unspurred Punctured Grassbug	W	C	L	C	Wetland	Damp areas - grass seeds	5
Ground Bug species:								
<i>Cymus melanocephalus</i>	Punctured Dark-scutellum Ground Bug	W	C	L	L	Wetland	Damp areas trefoil, loosestrife, rush	3
<i>Ischnodemus sabuleti</i>	European Chinchbug	W+	C/L	L	C/ L	Wetland	Wetland grass/reeds - migrating to drier grasses	3
<i>Scolopostethus thomsoni</i>	Untuberculed Ground Bug	T	C/L	L	L	Wood edge	Rich vegetation esp Nettles	1
<i>Stygnocoris sabulosus</i>	Shiny Hairy Yellow-legged Ground Bug	H+	C/L	VL	V L	Heaths	Dry habitats, sandy soils	2
Damselbug species:								
<i>Himacerus major</i>	Grey Damselbug (dark striped femurs)	W+	C/L	VL	L	Wetland	Grassy habitats, inc dunes & salt marshes	1
<i>Nabis limbatus</i>	Marsh Damselbug (small-winged broad-edged)	W	C/L	C/L	C	Wetland	Damp grassland/wet meadows	3
Stiltbug species:								
<i>Berytinus minor</i>	Pale-kneed Stiltbug	T	L	VL	V L	Flower meadows	Clover & Lesser Trefoil	1
Larger Leafhopper species:								
<i>Anoscopus (Aphrodes) albifrons</i>	Banded Leafhopper	T	NB	NC (<60)	V L	Wood edge	Dry grasslands, heaths, open woods	2
<i>Aphrodes bicincta</i>	Rounded-chisel-faced Leafhopper	T	L	NC	N C	Roughs	Dry habitats	3
<i>Arthaldeus pascuellus</i>	Dark-faced Glumbear Leafhopper	T	C/L	VL	V L	Roughs	Grasses, esp drier places	2
<i>Balclutha punctata</i>	Dark-spotted Orange Leafhopper	T	C/L	VL	V L	Wood edge	Clearings in woods	1
<i>Cicadella viridis</i>	Large Green Leafhopper	W	C	C	C	Wetland	Damp grasslands, marshes	4
<i>Cicadula persimilis</i>	Long-antennaed 4-spot Leafhopper	T	C/L	NC	N C	Roughs	Dry grassland	5
<i>Cicadula quadrimotata</i>	Long-antennaed 4-spot Leafhopper	T	C/L	VL	L	Wetland	Damp grassland, rush, sedge	1
<i>Conosanus obsoletus</i>	Part-winged Buff Leafhopper	W	C/L	NC	V L	Wetland	Damp habitats with rushes	1
<i>Elymana sulphurella</i>	Sulphur Leafhopper	T	C/L	VL	V L	Roughs	Moist to dry & tall grassland	2
<i>Errastunus (Adarrus) ocellaris</i>	Crossed-plates Eyed Leafhopper	T	C/L	L	V L	Roughs	Dry/moist tall grassland, ruderals	3
<i>Euscelis incisus</i>	Mottled Stubby Leafhopper	T	C/L	L	V L	Roughs	Medium most grasslands	1
<i>Macrosteles laevis</i>	a 6-spot Smiling Ghost Leafhopper	T	C/L	VL	N C	Roughs	Drier grasslands, disturbed areas	1
<i>Macrosteles viridigriseus</i>	a 6-spot Smiling Ghost Leafhopper	W	C/L	NC	V L	Wetland	Marshes, pond margins	2
<i>Streptanus sordidus</i>	Broad Buff Leafhopper Spotted pronotum, brown abdomen	W+	C/L	NC (<60)	V L	Wetland	Damp, grassy places	2
Small Leafhopper species:								
<i>Erzaleus metrius (Mocuellus)</i>	Reed Canary-grass Small Leafhopper	W	L	NC	N C	Wetland	Reed Canary-grass wetlands	1
<i>Eupteryx aurata</i>	Yellow Arrow Small Leafhopper	T	C	C/L	L	Wood edge	Nettles, Brambles, low vegetation	1

<i>Anacaena globulus</i>	Brown Domed Scavenger Beetle	W	C	C	C	Wetland	Pond & stream edges, woodland pools	4
<i>Helophorus flavipes</i>	Yellow-footed Scavenger Beetle	W	C/L	L	L	Wetland	Marshes / pond edges	1
<i>Helophorus obscurus</i>	Pale Brown Scavenger Beetle	W	C	C/L	C/L	Wetland	Muddy habitats pH 7 and above	1
<i>Megasternum concinnum</i>	Notch-legged Red Scavenger Beetle	W+	C	L	C	Wetland	Rotting veg in tussocks, hay, marshes	4
<i>Cyphon padi</i>	Least Dark-headed Marsh Beetle	W	C	VL	C/L	Wetland	Marshes / pond edges	1
<i>Cyphon variabilis</i>	Large Yellow Marsh Beetle	W	C/L	L	C	Wetland	Marshes / pond edges	3
Leaf & Flea Beetle species:								
<i>Cassida rubiginosa</i>	Green Thistle Tortoise Beetle	T	C	C/L	C	Roughs	Roughs and tall herb, Creeping Thistle	1
<i>Chaetocnema hortensis</i>	Greenish Yellow-antennaed Erratic Flea Beetle	T	C/L	VL	C/L	Roughs	Grasses, wild & cultivated	1
<i>Longitarsus flav/jac (females only)</i>	Large Pale Longitarsus	T	C/L	NC/ VL	N C/V L	Flower meadows	Both on Ragwort	1
<i>Longitarsus luridus</i>	Common Dark or Pale Flea Beetle	T	C	VL	L	Roughs	Many plants, leaves, roots. Grass tussocks	10
<i>Longitarsus melanocephalus</i>	Narrowly-dark-sutured pale Longitarsus	T	C/L	VL	L	Flower meadows	Plantain	1
<i>Longitarsus pratensis</i>	Small dark headed pale-elytrid Longitarsus	T	C/L	NC	N C	Flower meadows	Plantain	3
<i>Luperus longicornis</i>	Yellow-legged Black Leaf Beetle	W+	C/L		L	Wetland	Young bushes + trees mainly damp habitat	0
<i>Neocrepidodera ferruginea</i>	Small Orange Wheat Flea Beetle	T	C/L	VL	C/L	Roughs	Wild & cultivated grasses	4
<i>Neocrepidodera transversa</i>	Large Orange Wheat Flea Beetle	T	C	L	C/L	Roughs	Various plants in many habitats	2
<i>Oulema obscura</i>	Common Blue Grain Leaf Beetle	T	C	C/L	V L	Roughs	Grasses, cereals. Tussocks	1
<i>Phaedon tumidulus</i>	Celery Smooth Blue Leaf Beetle	W+	C	L	C/L	Wetland	On umbellifers	1
<i>Psylliodes chrysocephala</i>	Cabbage-stem Flea Beetle	T	C/L	VL	L	Flower meadows	Brassicaceae	1
<i>Psylliodes napi</i>	Blue Brassica Flea Beetle	T	C/L	VL	L	Flower meadows	Brassicaceae. Moss & tussocks	2
Ladybird species:								
<i>Coccidula rufa</i>	Red Marsh Ladybird	W	C	C	C	Wetland	Aphids, tall wetland grasses/reeds	2
<i>Coccinella 7-punctata</i>	Common 7 Spot Red Ladybird	T	C	C	C	Any	Anywhere with Aphids. Low herbage.	3
<i>Nephus redtenbacheri</i>	Red-blotched Nephus	T	C	VL	L	Roughs	Moss. Grassland.	1
<i>Propylea 14-punctata</i>	14 Spot Yellow Ladybird	T	C	C	C	Wood edge	Tall vegetation,trees, overwinters	1
<i>Psyllobora 22-punctata</i>	22 Spot Yellow Ladybird	T	C	C	C	Roughs	Low vegetation: mildew feeder	1
<i>Rhyzobius litura</i>	U-marked Ladybird	W+	C/L	L	C	Wetland	Grasses, thistle, nettle, rush, reed	4
Ground Beetle species:								
<i>Amara plebeja</i>	Copper-green Sunshiner GB	W+	C	C	C	Wetland	Damp grassland, heavy spils, inc arable	1
<i>Anchomenus dorsalis</i>	Green-fronted Ground Beetle	T	C	C/L	C/L	Roughs	Dry soils on arable, gardens, wastes	1
<i>Nebria brevicollis</i>	Common Heart-shield GB	T	C	C	C	Any	Woods, gardens, farm fields	1
<i>Paradromius linearis</i>	Common Bladerunner GB	T	C	L	C	Roughs	Grass tussocks, also reeds	2
<i>Pterostichus diligens</i>	Smooth-chested Blackclock GB	W	C	C	C	Wetland	Wetlands, damp grass, moor, marsh	1
<i>Pterostichus niger</i>	Great Blackclock GB	W+	C	C	C	Wetland	Woods, damp grass, moors	2
<i>Pterostichus nigrita</i>	Mitten Blackclock GB	W	C	C	C	Wetland	Damp lowlands, near water	2

<i>Pterostichus strenuus</i>	Rough-chested Blackclock GB	T	C	C	C	Roughs	Most habitats esp grassland	1
Rove Beetle species:								
<i>Stenus aceris</i>	Camphor Beetle	T	L	VL	V L	Roughs	Lowland grass tuscks/moss in grass/wood	1
<i>Stenus brunnipes</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	2
<i>Stenus clavicornis</i>	Camphor Beetle	T	C	L	C	Roughs	Farmland/dry/damp	2
<i>Stenus fulvicornis</i>	Camphor Beetle	W	C/L	L	L	Wetland	Rush pasture etc	1
<i>Stenus impressus</i>	Spurred Camphor Beetle	W	C	L	L	Wetland	Woods, dunes, marshes, mountains	2
<i>Stenus ossium</i>	Camphor Beetle	W	C/L	VL	L	Wetland	Tussocks in marshes, dryish grassland, dunes	3
<i>Stenus similis</i>	Camphor Beetle	H+	C/L	L	C/ L	Heaths	Drier grassland & heathland, mountains	3
<i>Acrotrichis sp</i>	Feather-wing Rove Beetle (1mm)	T/W					Taken in ground vegetation	5
<i>Aleocharinae (several species)</i>	Brown Rove Beetles (various)	W				Wetland		5
<i>Micropeplus staphylinoides</i>	Well-grooved Rove Beetle	T	C/L	VL	C	Roughs	Damp/wet decaying vegetation/ hay	1
<i>Ocypus aeneocephalus</i>	Hairy Coppery Coach Horse	T	C/L	NC	V L	Roughs	Rough grassland	2
<i>Ocypus olens</i>	Devil's Coach Horse	T	C/L	C/L	C	Wood edge	Variety of damp to dry soil habitats	3
<i>Philonthus carbonarius</i>	Green-winged Black Rove Beetle	H+	C/L	L	C/ L	Heaths	Open woods, heath-grassland	1
<i>Quedius fuliginosus</i>	Large-eyed Rove Beetle	W	C/L	VL	C/ L	Wetland	Wetlands, damp roughs and woods	1
<i>Quedius levicollis</i>	Three-eye dot Rove Beetle	T	C/L	NC	L	Roughs	Open habitats on damp to drier soil	3
<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	V L	Roughs	Damp soils, leaf litter	2
<i>Quedius semiaeneus</i>	Copper & Yellow-winged Rove Beetle	T	L	NC	V L	Roughs	Damp soils, leaf litter	1
<i>Quedius semiobscurus</i>	Red-fringed-wing Rove Beetle	T	C/L	NC	V L	Roughs	Open drier habitats	2
<i>Quedius cf umbrinus</i>	Colourful Rove Beetle	W+	C/L	VL	L	Wetland	Wet soils	1
<i>Reichenbachia juncorum</i>	Squat Rove Beetle	W	C/L	VL	L	Wetland	Wetland margins, bogs, swamps	1
<i>Tachinus rufipes</i>	Pale-edged Black Rove Beetle	T	C/L	VL	C	Roughs	Leaf litter, thick grass, dung, logs	2
<i>Tachyporus dispar</i>	8-hair-edged Yellow & Black Rove Beetle	T	C	VL	L	Roughs	Leaf litter, rotting grass, moss, soil surface	2
<i>Tachyporus pallidus</i>	Black-headed Short-haired Yellow & Black Rove Beetle	W	C/L	VL	L	Wetland	Leaf litter, debris in wetlands	1
<i>Xantholinus linearis</i>	Narrow-necked Rove Beetle	T	C/L	L	C	Roughs	Dry, open situations	1
Weevil species:								
<i>Catapion pubescens</i>	Low-foreheaded Apion Weevil	T	Nb	NC	N C	Flower meadows	Trefoils	1
<i>Eutrichapion viciae</i>	Yellow-legged Bearded Weevil	T	C/L	VL	V L	Flower meadows	Vetchling and Vetches	3
<i>Ischnopterapion virens</i>	White Clover Weevil (green/purple)	T	L/C	VL	L	Flower meadows	White Clover	1
<i>Nedyus quadrimaculatus</i>	Small White-patched Nettle Weevil	T	C	C/L	C	Wood edge	Nettles	3

<i>Oxystoma cerdo</i>	Small pinch-nosed antennae 1 yellow weevil	T	Nb	VL	L	Flower meadows	Tufted Vetch	2
<i>Perapion curtirostre</i>	Common Black Dock Weevil	T+	C/L	VL	C/L	Roughs	Well vegetated areas with Rumex	2
<i>Protapion assimile</i>	Clover Seed Weevil	T	C/L	VL	V/L	Flower meadows	On Clover	3
<i>Protapion fulvipes</i>	White Clover Seed Weevil Yellow-legged, black footed, ant part yellow	T	C	L	L	Flower meadows	White Clover	3
<i>Protapion trifolii</i>	Red Clover Seed Weevil	T	C/L	NC	L	Flower meadows	Red Clover, Zig-zag Clover	3
<i>Rhamphus pulicarius</i>	Large-eyed Willow Flea Weevil	W	C/L	VL	L	Wetland	Willows, Birch, Bog-myrtle	1
<i>Sitona hispidulus</i>	Hairy Clover-root Weevil	T	C/L	VL	V/L	Flower meadows	Various herbs, often Clover	2
<i>Sitona lineatus</i>	Big-eyed Striped Sitona Weevil	T	C	C/L	C/L	Flower meadows	Vetches, grasslands	4
<i>Sitona sulcifrons</i>	Raised Eye Sitona Weevil (pron round oval punctures, rugose)	T	C	VL	N/C	Flower meadows	Clover, Bird's-foot Trefoil	1
<i>Sitona suturalis</i>	Striped Sitona Weevil	T	C/L	VL	V/L	Flower meadows	Meadow Vetchling, vetches	1
<i>Cercyon impressus</i> (G Foster)	Dinted Cercyon Beetle	W+	C/L	L	C	Pasture	Cow/sheep dung, Rotting veg e.g. in marshes	1
<i>Cercyon lateralis</i> (G Foster)	Bordered Cercyon Beetle	T	C/L	VL	L	Pasture	Dung, compost, carrion.	1
<i>Oxytelus laqueatus</i>	Pale-winged Grooved Rove Beetle	T	C/L	VL	L	Pasture	Dung of herbivores	1
Other Beetle species:								
<i>Atomaria sp</i>								1
<i>Cartodere bifasciata</i>	Spotted Cartodere Latrid	T	A	VL	L	Wood edge	Fungi. Compost, leaf litter, logs.	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	V/L	Wood edge	Carrion, fungi, burrows, caves	1
<i>Corticarina minuta (fuscata)</i>	Round-pronotum Latrid (1.5 to 1.8mm), head pron dark. A9 long.	T	C/L	VL	C/L	Wood edge	Fungi. Compost, leaf litter, logs.	2
<i>Corticarina gibbosa</i>	Narrow-pronotum Latrid (no 1st sternite lines)	T	C	L	C	Wood edge	Flowers	1
<i>Lagria hirta</i>	Yellow and Black Bristly Beetle	T	C/L	C/L	C	Flower meadows	Larvae in ground layer; adults on flowers	1
<i>Nicrophorus vespilloides</i>	Black-antennaed Yellow-banded Burying Beetle	T	C	C	C	Roughs	Carrion	1
<i>Sciodrepoides watsoni</i>	Narrower-pronotum Sciodrepoides	T	C/L	VL	V/L	Roughs	Carrion, fungi, nest, grassland & heath	1
DIPTERA:								
TRUE FLIES:								
Hoverfly species:								
<i>Melanostoma mellinum</i>	Narrowly-dusted Orange-clubbed Hoverfly	W+	C	C	C	Wetland	Grasslands esp moorland flushes	2
<i>Platycheirus albimanus</i>	Common Silver-spotted Hoverfly	T	C	C/L	C	Wood edge	Wood edge, hedge, gardens. Aphids	1
<i>Platycheirus angustatus</i>	Lightening-pitted Orange-spot Hoverfly	W+	C/L	C/L	C/L	Wetland	Marshes, damp grass + dry grass	1
<i>Platycheirus clypeatus</i>	Round-pitted Orange-spot Hoverfly	W+	C	C/L	C	Wetland	Dry grass, wet meadows, fens	1
<i>Syrirta pipiens</i>	The Fat-femured Hoverfly	T	C	C	C	Wood edge	Most places inc gardens, ivy	1

Soldierfly & allies species:									
<i>Stratiomyidae</i>	Aquatic/Marsh larva	A+					Wetland	Wetlands	1
Crane-fly species:									
<i>Erioconopa diuturna</i>	Grey October Crane-fly	W	C/L	L	L		Wetland	Wet meadows, floodplains, moors, bogs	2
<i>Erioconopa trivialis</i>	Grey Scythe Crane-fly	W	C	C/L	C		Wetland	Wetlands, wet woods,	1
<i>Phylidorea ferruginea</i>	Black-tipped Orange Crane-fly	W	C	C/L	C/L		Wetland	Ponds & rushy ditches	2
<i>Tipula paludosa</i>	Common Long-palped Crane-fly	W+	C	C	C		Roughs	Damp grassland	5
<i>Tipula vittata</i>	Streak-winged Spring Crane-fly	A+	C	L	C/L		Wetland	Wet wood, heath	3
<i>Tricyphona immaculata</i>	Grey Orange-legged Crane-fly	W	C	C/L	C		Wetland	Wetlands of many types	3
<i>Limoniidae</i>	Larvae (undeterminable)	A+							2
other Nematocera species:									
<i>Dilophus febrilis</i>	Smoky-winged Fever-fly	T	C/L	C/L	C/L		Roughs	Low vegetation	1
<i>Anopheles</i>		A+					Wetland	Wetlands and water butts	1
<i>Culiseta cf annulata</i>	Mosquito	A+	C/L	L	C		Wetland	Wetlands and water butts	1
<i>Ceratopogonidae (Atrichopogon larvae)</i>	Biting Midges	A+					Wetland	Wetlands	1
<i>Chironomidae (large adults)</i>	Non-biting Midges	A+					Wetland	Ponds/ditches	6
<i>Chironomidae (tiny adults)</i>	Non-biting Midges	A+					Wetland	Ponds/ditches	6
<i>Chironomidae (red larvae)</i>	Non-biting Midges (bloodworm)	A+					Wetland	Wetlands	1
<i>Orthocladinae (larvae)</i>	Non-biting Midges	A+					Wetland	Wetlands	3
<i>Mycetophilidae</i>	Fungus Gnats	T					Wood edge	Fungi, mycelium, nests, tall, shady veg	1
<i>Sciaridae</i>	Black Fungus Gnats	W+					Wetland	Mainly wet habitats. Multi-strategy	3
<i>Sylvicola cinctus</i>	Common Window Gnat	T	C/L	C/L	C		Roughs	Larvae found in decaying matter	1
<i>Sylvicola punctatus</i>	Spotted Window Gnat	T	C/L	VL	C		Pasture	Associated with cattle dung	1
<i>Cecidomyiidae</i>	Gall Midges (3 main groups exist)	T						Rotting organics; galls/mines; predatory	3
<i>Simuliidae</i>	Blackflies	A+					Wetland	Running water; nectar or blood	5
<i>Psychodidae</i>	Moth Flies	A+					Wetland	Larvae in water; damp woods, marshes	5
other Brachycera Fly taxa:									
<i>Elgiva solicita</i>	Brown S-veined Snail-killing Fly	W	C/L	C/L	C/L		Wetland	Ponds and ditches with snails	3
<i>Renocera pallida</i>	Dark-horned Mussel-killing Fly	W	C/L	L	C/L		Wetland	Wet wood, stream, lake with Pea Mussels	1
<i>Dolichopidae (females only found)</i>	Long-legged Flies (females only found)								2
<i>Bicellaria nigra</i>	Humped Dance Fly	W	L	NC	V/L		Wetland	Wetland Woodland	1
<i>Bicellaria simplicipes</i>	Dance Fly	W	L	NC	V/L		Wetland	Wetland Woodland	1
<i>Bicellaria vana</i>	Dance Fly	T	C/L	L	C/L		Wood edge	Woods, roughs, wastes, gardens	1
<i>Lonchoptera lutea</i>	Yellow Spear-winged Fly	T	C	C	C		Roughs	Leaf litter; nectar; open habitats	7
<i>Phoridae</i>	Scuttle Flies	T						Multiple strategies	4
<i>Eudorylas zonatus</i>	Big-headed Fly	T	L	NC	N/C		Roughs	Tall herb where froghoppers live	1
<i>Pipunculus varipes (violovishii)</i>	Yellow,black,yellow-legged BHF	T	Un	NC	N/C		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	1

<i>Suillia laevifrons</i> (Ian Andrews)	Large-spotted Yellow Suillia	T	L	VL	V L	Flower meadows	Larvae in Luzula	1
Acalypterate Fly taxa:								
<i>Meiosimyza decipiens</i>	Dark-palped Yellow Lauxanid Fly	T/W	C/L	VL	C/ L	Wetland	Wetland, calc grassland, woodland	1
<i>Meiosimyza subfasciata</i>	Yellow Lauxanid	T	C/L	VL	C	Wood edge	Mixed habitats	1
<i>Sapromyza halidayi</i> (<i>Calliopum tuberculosum</i>)	Plain Yellow Lauxanid	T	C/L	VL	C/ L	Wood edge	Feeds in leaf litter	1
<i>Sapromyza seipunctata</i>	Yellow 6-spot Lauxanid Fly	T	C/L	L	C/ L	Roughs	Grassland	1
<i>Geomyza balachowskyi</i>	Pale Few-spotted Geomyza Fly	T	C/L	VL	L	Roughs	Mainly grasslands	3
<i>Geomyza tripunctata</i>	Round-tipped Geomyza Fly	T	C	C/L	C	Roughs	Grasslands, woods, cereal fields	4
<i>Dioxyna bidentis</i>	Long-lipped Picture-winged Fly	W	NN	NC	V L	Wetland	On Bidens in marshes, watersides	1
<i>Opomyza germinationis</i>	Marked-wing Spotted Red Cereal Fly	T	C	C/L	C	Roughs	Moist habitats, grass, leaf litter	3
<i>Opomyza petrei</i>	Marked-wing Striped Red Cereal Fly	T	C	C/L	C	Roughs	Unmanaged grassland, roughs, wastes	5
<i>Tephritis cometa</i>	Star & Stripe Gall Fly	T	L	C/L	L	Roughs	Thistles	1
<i>Tephritis neesii</i>	Oxeye Daisy Gall Fly	T	C/L	C	L	Flower meadows	Oxeye Daisy. Roughs	2
<i>Nemopoda nitidula</i> (verified)	Unspotted Spined Ensign Fly	T	C	L	C	Roughs	Tall herb. Carrion, fungi, dung.	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
<i>Sepsis flavimana</i> (verified)	Ensign Fly with narrowed tibia	T	C/L	NC	C	Pasture	Tall veg. Larvae in cow dung	2
<i>Sepsis fulgens</i> (verified)	Ensign Fly with two-spined prominence	T	C	L	C	Pasture	Tall herb. Larvae in dung	4
<i>Sepsis punctum</i> (verified)	Ensign Fly with thumb, mound & long spines	T	C/L	L	C	Pasture	Tall herb. Larvae in dung	1
<i>Drosophila transversa</i>	Banded Hairy-eyed Fruit Fly	T	L	VL	V L	Wood edge	Fungi, decaying vegetation	2
<i>Scatella sp</i>	Shore Fly	W				Wetland	Wetland	1
<i>Thaumatomyia & c</i>	Yellow Swarming Grass Fly (Chloropidae)	T				Roughs	Permanent grasslands	1
<i>Chloropidae</i>	Triangular-head mark minute yellow and brown flies	T					Multiple strategies	2
<i>Sphaeroceridae</i>	Lesser Dung Fly	T				Roughs	Larvae in rotting organics	3
Calypterate Fly taxa:								
<i>Scathophaga furcata</i>	Dark-front-femur Dung Fly	T	C/L	C/L	C	Pasture	Sheep Dung, Dog, Human	1
<i>Scathophaga stercoraria</i>	Yellow Dung Fly	T	C	C/L	C	Flower meadows	Cow pats, pollen, predators	2
<i>Fanniidae</i>	Lesser House Flies	T					Rotting organics; Esp in or near woods	3
<i>Muscidae</i>	House Flies	T					Multiple strategies	1
<i>Pollenia rudis</i>	Black-haired-femur Cluster Fly	T	C		C	Roughs	Larvae attack earthworms	0
<i>Calliphoridae</i>	Blue or Green Bottle Blowflies	T				Roughs	Carrion; Flowers, dung, rotting organics	2
<i>Sarcophaga sp</i>								1
<i>Calytrate misc</i>								1
THYSANOPTERA:								
<i>Limothrips denticornis</i>	THUNDERFLIES: Toothed-antenna Thunderfly	T	?	?	?	Flower meadows	Grasses	2

<i>Thrip</i>	Brown (winged) Thrip	T	?	?	?	Flower meadows	Flowers/grasses	3
<i>Thrip</i>	Yellow (winged) Thrip	T	?	?	?	Flower meadows	Flowers/grasses	2
COLLEMBOLA: SPRINGTAILS:								
<i>Allacma fusca</i>	Large Dark Brown Squart Springtail	T	CW	VL	V L	Roughs	Surface debris, low vegetation	1
<i>Dicyrtomina minuta</i>	Blue-tailed Squat Springtail	T	VC W	VL	L	Roughs	Surface debris, low vegetation	2
<i>Dicyrtomina ornata</i>	Patterned Squat Springtail	T	WC W	VL	L	Roughs	Surface debris, low vegetation	3
<i>Heterosminthurus bilineatus</i>	Least Banded Squat Springtail	T	MC	NC	L	Roughs	Damp surface debris, low vegetation	1
<i>Sminthurus viridis</i>	Clover Springtail	T	VC W	NC	VI	Roughs	Grasses and shrubs	2
<i>Isotomurus graminis (prasinus)</i>	Greenish Springtail	W	C?	NC	L	Wetland	Wet habitats	1
<i>Isotoma riparia</i>	1-striped Springtail	W	NS?	NC	L	Wetland	Stream edges, flood debris etc	1
<i>Isotoma viridis</i>	Green Springtail	W	CW	C	C	Wetland	Range of habitats inc wetlands	4
<i>Lepidocyrtus curvicollis</i>	Yellow Humped Springtail	T	CW	NC	L	Roughs	Surface debris, low vegetation	3
<i>Orchesella cincta</i>	Dark-headed Patterned Springtail	T	VC	C	C	Roughs	Surface debris, low vegetation	1
<i>Orchesella villosa</i>	Dark-antennaed Patterned Springtail	T	VC W	L	L	Roughs	Surface debris, low vegetation	1
<i>Entomobrya intermedia</i>	W-lined Patterned Springtail	T	CW	C	C	Roughs	Flowers, trees, bushes, gardens	3
<i>Entomobrya nivalis</i>	Two-lined Patterned Springtail	T	VC W	L	L	Roughs	Surface debris, low vegetation	1
<i>Neanura muscorum</i>	First Springtail	T	VC W	VL	L	Wood edge	Often found under bark	1
<i>Pogonognathellus longicornis</i>	Coil-antennaed Yellow Springtail	W+	VC W	C	C	Wetland	Surface debris, low vegetation, marsh, garden	6

Columns C-H:

Column C uses H for Heathland, H+ for Heathland and other habitats, W for Wetland, A for aquatic and T for Terrestrial Habitats. Columns D, E & F : Uses the literature, NBN online, and rECOrd (Cheshire) to give an England/Wales status, a GM status and a Cheshire status. records, some few.

C = Common; L = Local, or scattered records; C/L is some areas many

A relates to Alien species - all are naturalised.

The official scarcity status is given in Column D:

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

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

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

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

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

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

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

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

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

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

NC is given if this record is the only one in Greater Manchester or Cheshire on NBN, iRecord or rECOrd (+ atlases or checklists)

Un - literature states uncommon but no status assigned.