Lake Wood Biodiversity Project
SPECIES LIST FOR LAKE WOOD AND SURROUNDING REGION

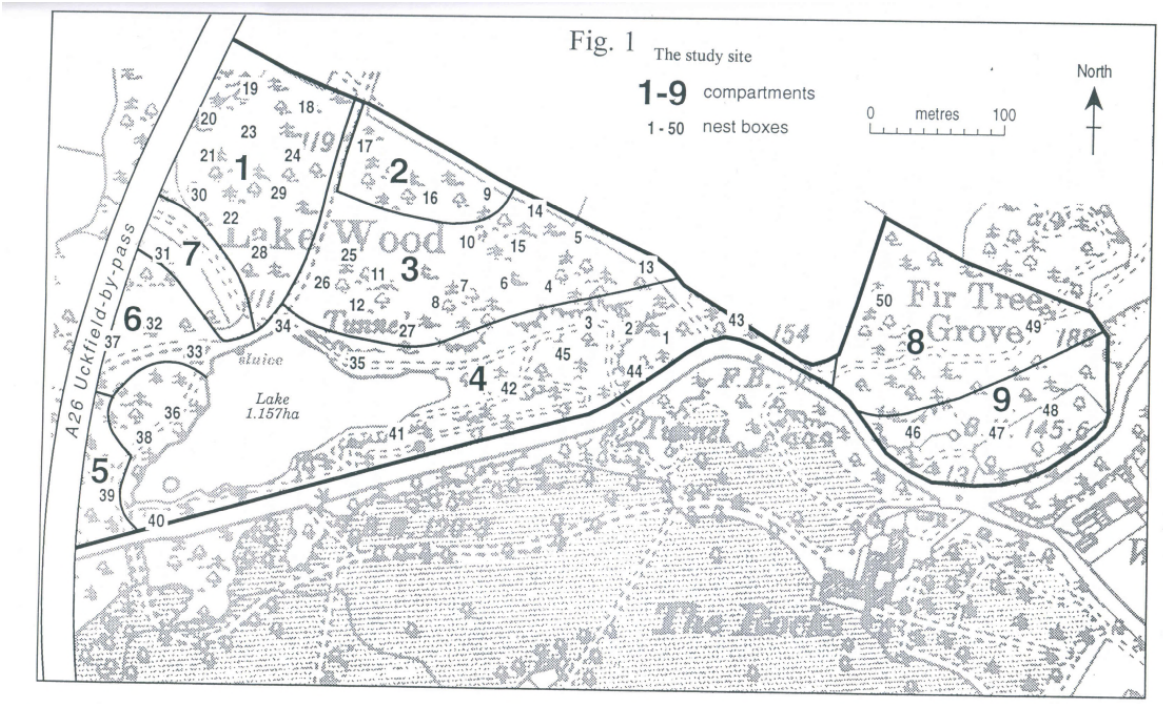
By

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Introduction

The following is a list of all organisms encountered and identified in and around Lake Wood (50^{o} 58' N, 0^{o} 4' E, grid ref. TQ463217) Fir Tree Grove and Downlands Farm since 1987. The geology of the site is Ardingly sandstone with Grinstead clay to the NE of the wood. Some organisms were seen over or in the fields of Downlands Farm adjacent to the wood. The list is periodically updated and is not exhaustive. Where it was possible to identify sub-species or aberrant forms, this was done. Moths were trapped approximately monthly from June 1990 to September 1991 using a Heath moth trap connected to a 12v battery positioned in the centre of Lake Wood. The trap was switched on at dusk and collected the following morning. In addition, on June 22nd 1993 a Robinson moth trap, which is larger and more powerful, was run at about the same position from 21:00hrs to 24:00hrs BST. On this occasion moths were simply identified and not counted; the nomenclature for moths was after Skinner (1984). Others have been recorded on other occasions. The nomenclature for other insects was after Chinery (1986), with the exception of dragonflies which was after Gibbons (1986). Small mammals were also trapped during 1990 using Longworth mammal traps set during early evening with food and bedding and opened early the following morning, other mammals have been encountered during regular routine visits, the dormice & yellow-necked mice have been monitored for the Woodland Trust and National Dormouse Monitoring Programme in nest-boxes; the nomenclature for mammals was after Corbet and Ovenden (1980). There has been an annual survey of dormice since spring 2008, the data from which is submitted to the National Dormouse Monitoring Programme. Bird territories were mapped during 1987 using the Common Bird Census technique. Subsequent additions were noted during nest box inspection rounds from 1988. Nomenclature for birds was after Svensson *et al.* (1986). The nomenclature for plants was after Clapman *et al.* (1962), Stace (1991). Mr. C. Figg who organised the fishing syndicate at Lake Wood until 1992 provided a fish list, but all fish species listed have been confirmed by myself since during occasional lake thermocline inversions that have lead to stressed, dead and dying fish appearing on the water surface. Species listed but without details are from casual but certain observations whose details were not recorded. Some small mammals were identified when trapped in Longworth traps. Others during nest-box inspections, yet others from casual encounters.



Kingdom Fungi

Phylum Ascomycota		
Class Ascomycetes		
Order Sphaeriales (Xylerales)		
Family Xyleraceae		
Daldinia concentrica	King Alfred's cakes	3.10.05 (1)
Xylaria hypoxylon	Candlesnuff fungus	16.1.06 Vic Downer
Phylum Basidomycota		
Class Basidomycetes		
Order Pezizales		
Family Pezizaceae		
Peziza aurantia	Orange peel Peziza	Comp. 3.
Geastrum triplex	Common earth star	South bank of lake T.Flowers, Fall '04
Order Amphylophorales		
Family Cantharellaceae		
Cantharellus cinereus	Chantarelle	Comp. 1.
Family Polyporaceae		
Fistulina hepatica	Poor mans beefsteak	Comp. 6.
Piptoporus betulinus		3.10.05 (3 & 6)
Order Stereales		
Family Podoscyphaceae		
Podoscypha multizonata	Zoned rosette	3.10.05 (6)
Order Agaricales		
Family Agaricineae		
Tricholoma nudum	Wood blewit	Comp. 1.
Amanita phalloides	Death cap	Comp. 3.

A. muscaria	Fly agaric	
A. citrina		Comp. 3.
Laccaria amethystina		Comp. 4.
Cortinarius anomolus		Comp. 3.
Clitopilus prunulus		Comp. 3.
Boletus chrysenteron		Comp. 3.
Rusula emetica		Comp. 3.
Lacarius volemus		Comp. 3.
L. glyciosmus		Comp. 3.
Order Phallales		
Phallus impudicus	Stinkhorn	Comps 1, 2 & 3.
Lycoperdon perlatum		Comp. 3.
Sclerodoma aurantium	Common earth ball	Comp. 3, 4.
Order Tremellales		
Tremella mesenterica	Jews ear	Comp. 3 on elder.
Calocera viscosa		Comp. 4.

Lichens
Caloplaca spp.
Cladonia coniocraea
C. coccifera
C. furcata
C. macilenta
Evernia prunastri
Graphis elegans
Hypogymnia physodes
Lepraria incana
Parmelia caperata
P. perlata
P. subaurifera
P. sulcata
Pertusaria pertusa
Platismatia glauca
Usnea subfloridana

Kingdom Plantae

Division Bryophyta (mosses and liverworts)

Class Hepaticopsida
Pellia epiphylla
Calypogeia mulleriana

Class Muscopsida

Funaria hygrometrica	Fire moss	old bonfire site 6.4.06
Brachythecium rutabulum		
Eurhynchium praelongum		
E. striatum		
Hypnum cupressiforme		
Isothecium myosuroides		
Mnium hornum		
Polytrichum formosum		

Thuidium tamariscinum		
Sphagnum Recurvum/auriculatum		On lake margins

Division Sphenophyta (horsetails)

Order Equisetales

Family Equisetaceae

Equisetum fluviatile	Water horsetail	Edge of lake.

Division Filicinophyta (ferns)

Family Osmundaceae

Osmunda regalis	Royal fern	Edge of lake.

Family Polypodiaceae

Pteridium aquilinum	Bracken	Comp. 3.
Phyllitis scolopendrium	Hart's-tongue fern	Comp. 4.
Athyrium filix-femina	Lady-fern	Comp. 4.
Dryopteris filix-mas	Male fern	Comp. 4.
D. dilatata	Broad buckler-fern	Comp. 3.
D. aemula	Hay-scented buckler fern	? among rocks?
Polypodium vulgare	Polypody	Comp. 4.
Blechnum spicant	Hard Fern	On rocks

Division Coniferophyta (conifers)

Order Coniferae

Family Cupressaceae

Chamaecyparis lawsoniana	Lawson Cypress	1 tree comp. 4.

Family Pinaceae

Abies (alba)	Silver fir	1 tree comp.1. Wind-felled 22.2.2022
Larix decidua	Common larch	3 trees comp 4.
Picea abies	Norway spruce	2 trees comp. 4.
Tsuga heterophylla	Western hemlock	2 trees comp. 4.
T. canadensis	Eastern hemlock	2 trees comp. 1.
P. nigra	Corsican pine	1 tree comps 8.
P. radiata	Monterey pine	comp 3
P. sylvestris	Scots pine	C. 20 trees comp.8 1 tree comp 4.

Sub-Family Taxodiaceae

Sequoia sempervirens	Coast redwood	2 trees comp 4,6.
Sequoiadendron giganteum	Giant redwood	1 tree comp. 4.
Taxodium distichum	Swamp cypress	1 tree comp. 4.

Family Taxaceae

Taxus baccata	Yew	Frequent through wood

Division Angiospermophyta (flowering plants)

Class Dicotyledoneae

Order Ranunculales

Family Ranunculaceae

Caltha palustris	Marsh marigold	lake 13.5.2022
Anemone nemorosa	Wood anemone	Comp 1,2,3,6,7.
Ranunculus ficaria	Lesser celendine	Comp 4,8 & 6.
R. hederaceus	Ivy-leaved water-crowfoot	Lake.

R. repens	Creeping buttercup	comp. 8 & 9.
Helleborus viridis	Green hellebore	April 2013 wet quarry comp. 4
Order Rhoedales		
Family Cruciferae		
Barbarea vulgaris	Winter cress	Comp 5,6,8 & 9.
Rorippa nasturtium-aquaticum	Water cress	Comp. 6.
Order Violales		
Family Violaceae		
Viola riviniana	Dog violet	Sparse throughout.
Order Cistiflora		
Family Hypericaceae		
Hypericum androsaemum	Tutsun	Comp 6.
H. humifusum	Trailing St Johns wort	Comp. 6.
H. pulchrum	Slender St Johns wort	Western path 5/05
Order Centrospermae		
Family Caryophyllaceae		
Silene alba	White campion	Comp 4 & 8.
S. dioica	Red campion	Comp 4 & 8.
Stellaria media	Chickweed	Comp 6 & 8.
S. holostea	Greater stitchwort	Comp. 3 & 4.
Moehringia trinerva	Three nerved sandwort	6.5.07. S. Siems.
Agrostemma githago?	Corn cockle?	near sluice?
Family Geraniaceae		
Geranium robertianum	Herb robert	Comp. 8.
Family Oxalidaceae		
Oxalis acetosella	Wood-sorrel	Comp. 1.
Family Balsaminaceae		
Impatiens parviflora	Small balsam	Comp. 3 & 4. e.g. 29.5.1993.
Order Malvales		
Family Tiliaceae		
Tilia platyphylos Scop.	Large-leaved lime	Few, comp. 4.
T. cordata	Small-leaved lime	? near lake ?
Family Oleaceae		
Fraxinus excelsior	Common ash	Throughout wood
Ligustrum vulgare	Common privet	Occasional, hedgerows
Family Gentianaceae		
Centaurium pulchellum	Lesser centaury	Near East Gate 10.9.05
Order Sapindales		
Family Aceraceae		
Acer campestre	Field maple	Throughout wood
A. pseudoplatanus	Sycamore	Throughout wood
Family Hippocastanaceae		
Aesculus hippocastanum	Horse chestnut	Few comp. 4
Order Celastrales		
Family Aquifoliaceae		
Ilex aquifolium	Holly	Throughout wood
Family Celastraceae		
Euonymus europaeus	Spindle tree	Few comps. 3, 8.
Order Fabales		
Family Papilionaceae		

Robinia pseudoacacia	Locust tree	Few comp. 3.
Ulex europeus	Gorse	Few comp. 4
Genista anglica	Petty whin	Comp. 6
Cytisus scoparius	Broom	Comps. 4 & 6.
Order Rosales		
Family Rosaceae		
Rubus fruticosus agg	Bramble	Throughout area.
R. idaeus	Raspberry	near box 45. Comp. 4.
Rosa canina	Dog rose	Along hedge row.
Potentilla sterilis	Barren strawberry	Near west gate 3/05
Fragaria vesca	Wild strawberry	Comp. 6.
Sorbus aucuparia	Rowan	Few, comps. 3, 9.
S. aria	Whitebeam	spotted 5/08 comp. 4
Crataegus monogyna Jacq	Common hawthorn	Few, comp. 3.
Prunus spinosa	Blackthorn	few, north hedge
P. avium	Gean	Few comp. 3.
P. laurocerasus	Cherry laurel	Many comp. 7, 3.
Order Myrtales		
Family Onagraceae		
Epilobium hirsutum	Great hairy willow-herb	Comp. 4 & 8.
E. montanum	Broad-leaved willowherb	
Chaemaerion angustifolium	Rose-bay willow herb	Comp. 4,5 & 6.
Family Haloragaceae		
Myriophyllum spicatum	Spiked water milfoil	In Lake.
Family Callitrichaceae		
Callitriche stagnalis	Water starwort	In Lake.
Order Umbellales		
Family Araliaceae		
Hedera helix	Ivy	Throughout wood
Family Umbelliferae		
Berula erecta	Narrow leaved water-parsnip	Edge of lake.
Conopodium majus	Pignut	Comp. 3.
Order Euphorbiales		
Family Euphorbiaceae		
Euphorbia amygdaloides	Wood spurge	Few throughout wood
Mercurialis perennis	Dogs mercury	Beneath some trees.
Order Polygonales		
Family Polygonaceae		
Rumex acetosa	Wood sorrel	Frequent.
Order Urticales		
Family Urticaceae		
Urtica dioica	Stinging nettle	Along some boundries.
Family Ulmaceae		
Ulmus glabra	Wych elm	Occasional comps. 4, 8.
U. procera	English elm	Occasional comp. 8.
Order Fagales		
Family Betulaceae		
Betula pendula	Silver birch	Thrughout wood.
B. pubescens	Downy birch	Throughout wood.
Alnus glutinosa	Common alder	Abundant comps. 4, 7.
Family Corylaceae		
Carpinus betulus	Hornbeam	Comps. 1, 2, 3 & 4.

Corylus avellana	Common hazel	Comps. 1, 2 & 3.
Family Fagaceae		
Fagus sylvatica	Common beech	Throughout wood.
Castanea sativa	Sweet chestnut	Frequent comps. 3 & 6.
Quercus rubra	Red oak	One tree comp. 4. 15.6.1990.
Q. robur	English oak	Throughout wood.
Order Salicales		
Family Salicaceae		
Salix cinerea	Common sallow	Frequent comps. 2, 4.
S. caprea	Goat willow	Comps. 2 & 5.
Populus tremula	Aspen	Comp 4. 15.6.1996.
P. nigra	Black poplar	Planted on island November 1999 Further planting through valley winter 2004/5
Order Ericales		
Family Ericaceae		
Rhododendron ponticum	Rhododendron	Comp. 2, 3, 4, 5 & 6.
Azalea pontica L.	Azalea	Comp 4.
Calluna vulgaris	Ling	Occasional comp.4. appearing on some southern rocks 2003-2011
Order Primulales		
Family Primulaceae		
Primula vulgaris	Primrose	Comp. 6.
Lysimachia nummularia	Creeping Jenny	Comp. 3. 3.6.1992
L. vulgaris	Yellow loostrife	Comp. 6.Reedbed 21.7.2013
Anagallis arvensis	Scarlet pimpernel	Comp. 6.
Family Grossulariaceae		
Ribes uva-crispa	Gooseberry	29.3.2001
Order Tubiflorae		
Family Convolvulaceae		
Calystegia sepium	Hedge bindweed	Along boundaries.
Family Solanaceae		
Solanum nigrum	Black nightshade	Comp. 4 & 8.
S. dulcamara	Bittersweet	Comp. 3, 5, 6 & 8.
Atropa belladonna	Deadly nightshade	Comp. 3, 6 & 8.
Family Scrophulariaceae		
Verbascum blattaria	Moth mullein	Near East gate 10.9.05
Scrophularia nodosa	Figwort	Comp. 3.
S. auriculata	Water figwort	Comp. 7.
Veronica beccabunga	Brooklime	Comp. 5 & 7.
V. persica	Common field speedwell	Comp. 5, 6 & 8.
V. montana	Wood speedwell	Comp. 3 & 8.
V. anagallis-aquatica	Water speedwell	Comp. 4.
V. serpyllifolia	Thyme-leaved speedwell	6.5.07. S. Siems.
Digitalis purpurea	Foxglove	Throughout wood.
Family Labiatae		
Ajuga reptans	Bugle	Comp. 3 & 7.

Teucrium scorodonia	Wood sage	Comp 1 & 3.
Prunella vulgaris	Self-heal	Comp 1 & 3.
Glechoma hederacea	Ground ivy	Throughout wood.
Lamium album	White dead-nettle	Comp. 4, 8 & 9.
L. purpureum	Red dead nettle	Comp 3, 4, 5, 8 & 9.
Stachys sylvatica	Woundwort	Comp. 3.
Origanum vulgare	Marjoram	Comp. 3.
Order Rubiales		
Family Rubiaceae		
Galium aparine	Common cleavers	Comp. 4.
Family Boraginaceae		
Pentaglottis sempervirens	Alkanet	Near small tunnel.
Family Adoxaceae		
Adoxa moschatellina	Moschatel (town hall clock)	Comp. 4
Family Caprifoliaceae		
Lonicera periclymenum	Honeysuckle	Throughout wood.
Sambucus nigra	Elder	Throughout wood
Viburnum opulus	Guelder rose	Occasional comp. 4, 8.
Family Dipsacaceae		
Succisa pratensis	Devilsbit scabious	Near east gate 11.9.05
Order Asterales		
Family Compositae		
Eupatorium cannabinum	Hemp agrimony	Comp. 6.
Bellis perennis	Daisy	Comp. 6 & 9.
Gnaphalium uliginosum	Marsh cudweed	Comp. 3.
Pulicaria dysenterica	Common fleabane	Comp. 1 & 6.
Senecio jacobaea	Ragwort	Comp. 3.
S. ovatus	Wood ragwort	9.7.08
S. vulgaris	Groundsel	Comp. 1, 5, 6, & 8.
Arctium lappa	Greater burdock	Comp. 4.
Cirsium vulgare	Spear thistle	Comp. 1, 5, 6 & 8.
Sonchus arvensis	Perenial sow-thistle	Comp. 4.
Taraxacum officinale	Dandilion	Comp 4 & 8.
Solidago virgaurea	Golden-rod	Below rocks 19.9.04 &11.9.05
Class Monocotyledoneae		
Order Alismatales		
Family Baldalaria		
Alisma plantago-aquatica	Water plantain	28.5.1994. lake.
Family Hydrocharitaceae		
Hydrocharis morsus-ranae	Frog-bit	in lake
Order Najadales		
Family Potomogetonaceae		
Potamogeton crispus	Curled pondweed	In lake.
Order Liliflorae		
Family Liliaceae		
Hyacinthoides non-scriptus	Bluebell	Comp. 1, 2, 3, 7, 8 & 9.
Allium ursinum	Ramsons	Comp. 3.
Polygonatum multiflorum	Solomon's seal	Comp. 4.
Narcissus pseudonarcissus	Wild daffodil	Comp. 4.
N. poeticus	Poet's narcissus	Comp. 4.

Galanthus nivalis	Snowdrop	Comp 5 2009
Family Juncaceae		
Luzula pilosa	Hairy woodrush	Comp. 3, 5, 6.
L. campestris	Field woodrush	Comp. 3, 5 & 6.
Family Araceae		
Arum maculatum	Lords and ladies	Comp. 3.
Family Iridaceae		
Iris pseudacorus	Yellow flag iris	Comp. 4. round lake.
Family Orchidaceae		
Orchis mascula	Early purple orchid	Comp. 6.
Dactylorhiza fuchsii	Common spotted orchid	Comp. 4.
Listera ovata	Common twayblade	Near wall West gate
Order Arales		
Family Lemnaceae		
Lemna minuta	American duckweed	In lake.
L. minor	Duckweed	In lake.
Family Sparganiaceae		
Sparganium erectum	Bur-reed	Edge of lake.
Family Typhaceae		
Typha latifolia	Reed-mace	Edge of lake.
Order Cyperales		
Family Cyperaceae		
Carex pendula	Pendulous sedge	Comp. 4.
Order Glumiflora		
Family Gramineae		
Agrostis stolonifera	Fiorin	Comp. 3, 4, 5, 6 & 8.
Holcus lanatus	Yorkshire fog	Comp. 3, 4, 5, 6, 8 & 9.
Brachypodium sylvaticum	Slender false brome	Comp. 3.
Milium effusum	Wood millet	Comp. 3.
Deschampsia flexuosa	Wavy hair grass	Comp 4 on rocks
Phragmites australis	Common reed	By lake

Kingdom Animalia

Phylum Arthropoda (animals with exoskeletons)

Class Insecta		
Ephemeroptera		
Family Baetidae		
Chloeon dipterum	Mayfly	1.3.2006
Order Odonata		
Sub-order Zygoptera		
Family Coenagriidae		
Pyrrhosoma nymphula	Large red damselfly	Breeding popn. 5.4.1990
Ischnura elegans	Blue-tailed damselfly	18.7.92
Enallagma cyathigerum	Common blue damselfly	18.7.92
Coenagrion puella	Azure damselfly	18.7.92
Family Calopterygidae		
Calopterix splendens	Banded agrion	Present each year.
C. virgo	Demoiselle agrion	Present each year.

		21.5.1991.
Family Aeshnidae		
Anax imperator	Emperor dragonfly	18.7.1992. Present each year.
Aeshna cyanea	Southern hawker	18.7.1992. Present each year.
Sympetrum striolatum	Common darter	18.7.1992
Family Libellulidae		
Libellula depressa	Broad-bodied chaser	Present each year. 18.7.1992. 22.5.1990.
Orthetrum cancellatum	Black-tailed skimmer	15.6.1990. 18.7.1992
Libellula quadrimaculata -	Four-spotted Chaser	17.6.2000 (V. Downer)
Orthetrum coerulescens	Keeled skimmer	Seen 17.6.1990
Sympetrum striolatum	Common darter	Present each year.
Order Orthoptera		
Family Acrididae		
Chorthippus brunneus	Field grasshopper	Comps. 4 and 5.
Family Tettigoniidae		
Meconema thalassinum	Oak bush cricket	
Pholidoptera griseoaptera	Dark bush cricket	Esp. comp 4.
Order Dermaptera		
Family Forficulidae		
Forficula auricularia	Common earwig	In many nest boxes.
Order Hemiptera		
Sub-order Heteroptera		
Family Acanthosomatidae		
Acanthosoma haemorrhoidale	Hawthorn shield bug	1, 16.11.90.
Gerris lacustris	Common pond skater	On lake.
Sub-order Homoptera		
Family Cicadellidae		
Graphocephala fennahi		On rhododendrons
Order Siphonaptera		
Ceratophyllus gallinae	Hen flea	On blue tits, in boxes.
Order Neuroptera		
Family Chrysopidae		
Chrysoperla carnea	Lacewing	
Family Orneodidae		
Orneodes hexadactyla		1, 16.10.90.
Family Incurvariidae		
Adela reaumurella		Comp. 1.
Family Tortricidae		
Epiblema cynosbatella		1, 27.6.90
Family Cochlidae		
Aethes cnicana		2, 11.6.90.
Order Lepidoptera		
Family Pyralidae		
Sub-family Pyraustinae		
Hofmannophila pseudopretella	Brown house moth	Larvae in nest boxes.
Endrosis sarcitrella	White shouldered house moth	Larvae in boxes 8.11.05
Eurrhypara hortulata	Small magpie	22.6.93.

Nomophila noctuella	Rush veneer	1, 21.8.91.
Pleuroptyra ruralis	Mother of pearl	5, 21.8.91.
Agriphila tristella		1, 27.6.90
Scoparia cembrae Haw		2, 11.6.90.
S. truncicolella		1, 15.8.90.
S. ambicaulis		
Sub-family Crambinae		
Crambus tristellus		5, 15.8.90.
Sub-family Phycitinae		
Ephestia elutella		1, 27.6.90.
Dioryctria abietella		1, 11.6.90.
Plodia interpunctella Hubn.	Indian meal moth	1, 15.9.90.
Sub-family Galleriinae		
Aphomia sociella L.		1, 18.7.90.
Family Pieridae		
Pieris brassicae	Large white	Comp. 9. 18.7.1992.
Anthocharis cardamines	Orange tip	Comp. 4. 13.4.1987. 24.4.1988. 4.4.1990. 12.4.1991. 18.4.1992.
Gonepteryx rhamni	Brimstone	Comps. 4. 8. 9. 13.4.1987
Colias croceus	Clouded yellow	Rare visitor. 18.7.1992.
Family Nymphalidae		
Inachis io	Peacock	Comp. 4. 18.7.1992.
Limenitis camilla	White admiral	Comp. 7. 18.7.1992.
Cynthia cardui	Painted lady	Comp. 3. 18.7.1992.
Vanessa atlanta	Red admiral	Comp. 4 18.7.1992.
Aglais urticae	Small tortoisehell	Comp. 4.
Family Satyridae		
Aphantopus hyperantus	Ringlet	Comp. 3. 18.7.1992.
Pyronia tithonus	Gatekeeper	Comp. 3. 18.7.1992.
Pararge aegeria	Speckled wood	Comps. 2 & 3. 26.4.1991.
Polygonia c-album	Comma	13.4.1987. 18.7.1992.
Family Lycaenidae		
Celastrina argiolus	Holly blue	Comp. 4. 18.7.1992.
Family Hepialidae		
Hepialus hecta L**.**	Gold swift	1, 11.6.90.
Humuli lupulinus L	Common swift	1, 11.6.90. 1, 31.5.91.10, 17.6.91.
Family Lasiocampidae		
Poecilocampa populi L.	December moth	3, 16.11.90.
Family Notodontidae		
Phalera bucephala L.	Buff tip	1, 11.6.90. 1, 27.6.90. 2, 16.7.91.
Stauropus fagi L.	Lobster moth	1, 11.6.90.
Ptilodon capucina L.	Coxcomb prominent	1, 11.6.90.1, 15.8.90. 2, 17.5.91. 2, 1.8.91.
Phoesia gnoma Fabricus	Lesser swallow prominent	2, 21.8.91.
Peridea anceps Goez	Great prominent	1, 18.5.91.

Pterostomata palpina Clerck	Pale prominent	1, 18.7.90.
Eligmodonta ziczac L.	Pebble prominent	1, 15.8.90.
Family Thyatiridae		
Habrosyne pyritoides Hufnagel	Buff arches	22.6.93.
Tetheella fluctuosa Hübner	Satin lutestring	1, 16.7.91; 22.6.93.
Ochropacha duplaris obscura L.	Common lutestring	2, 16.7.91.
Family Geometridae		
Sub-family Oenochrominae		
Alsophila aescularia D. & S.	March moth	1, 14.3.91.
Sub-family Geometrinae		
Hemithia aestivaria Hübner	Common emerald	22.6.93.
Jodis lactearia L.	Little emerald	22.6.93.
Geometra papilionaria L.	Large emerald	22.6.93.
Sub-family Ennominae		
Opisthograptis luteolata L.	Brimstone moth	1, 19.5.91; 22.6.93.
Ennomos alniaria L.	Canary-shouldered thorn	1, 15.8.90.
Ligdia adustata D. & S.	Scorched carpet	1, 11.6.90.1, 18.7.90.
Semiothisa notata L.	Peacock moth	1, 11.6; 1, 27.6; 1, 18.7; 6, 15.8.90. 4, 16.7.91.
Lomaspilis marginata L.	Clouded border	1, 31.5.91. 4, 16.7.91. 22.6.93.
Boarmia roboraria Denis & Schiff.	Great oak beauty	1, 11.6.90.1, 31.5.91. 1, 17.6.91. 12, 21.8.91.
Serraca punctinalis Scopoli	Pale oak beauty	1, 11.6.90.
Cleorodes lichenaria Hufnagel	Brussels lace	2, 16.7.91.
Peribatodes rhompoidaria D. & S.	Willow beauty	1, 11.6.90; 22.6.93.
Crocallis elinguaria L.	Scalloped oak	2, 18.7.90.
Colotois pennaria L.	Feathered thorn	4, 16.11.90.
Selenia tetralunaria Hufnagel	Purple thorn	1, 18.7.90.
S. dentaria Fabricus	Early thorn	1, 16.4; 21.8.91.
Cabera pusaria L.	Common white wave	3, 27.6.90.1, 15.8.90. 1, 16.7.91. 1, 21.8.91.
C. exanthema Scop.	Common wave	2, 21.8.91.
Lomographa temerata D. & S.	Clouded silver	22.6.93.
Campaea margaritata	Light emerald	1, 11.6.90. 2, 27.6.90 3, 16.7.91; 22.6.93.
Biston betularia L.	Peppered moth	1, 27.6.90; 22.6.93.
B. strataria Hüfnagel	Oak beauty	1, 14.3.91.
Ourapteryx sambucaria L.	Swallow tailed moth	1, 16.7.91.
Agriopis aurantiaria Hübner	Scarce umber	6, 16.11.90.
A. marginaria Fabr.	Dotted border	6, 14.3.91.
Erannis defoliaria Clerck	Mottled umber	1, 16.11.90.
Cabera exanthemata Scop.	Common wave	2, 15.8.90. 3, 16.7.91.
Sub-family Sterrhinae		
Timandra griseata Petersen	Blood vein	1, 15.8.90.
Epirrhoe rivata Hübner	Wood carpet	1, 21.8.91.
Colostygia pectinataria	The Green carpet	22.6.93
Hydriomena furcata Thunberg	July highflyer	3, 16.7.91.
Idaea aversata L.	Riband wave	1, 11.6.90. 8, 27.6.90

		2, 18.7.90. 2, 15.8.90; 1, 16.7.91. 1, 21.8.91; 22.6.93..
I. aversata ab. *remutata* L.	Riband wave	5, 27.6.90. 2, 18.7.90. 2, 15.8.90.
I. emarginata L.	Small scallop	2, 18.7.90.
Scopula floslactata floslactata Haw.	Cream wave	1, 18.7.90. 3, 17.5.91. 1, 31.5.91.
Sub-family Larentiinae		
Anticlea badiata D. & S.	Shoulder stripe	1, 31.5.90.
Xanthorhoe montana montana D. & S.	Silver ground carpet	1, 17. 6.91 1, 16.7. 91.
X. fluctuata L.	Garden carpet	1, 16.7.91. 1, 21.8.91.
Operophtera brumata L.	Winter moth	2,16.10.90. 2, 16.11.90. 2, 17.12.90.
Perizoma flavofasciata Thunberg	Sandy carpet	22.6.93.
Alcis repandata L.	Mottled beauty	18, 27.6.90. 9, 18.7.90; 1, 16.7.91; 22.6.93.
Ectropis crepuscularia D. & S.	Small engrailed	1, 27.6.90. 2, 18.7.90.
E. bistortata Goeze	The engrailed	5, 27.6.90. 1, 18.7.90. 1, 16.7.91.
Asthena albulata Hufnagel	Small white wave	1, 18.7.90.
Eupithecia lariciata Freyer	Larch pug	1, 27.6.90. 2, 18.7.90.
E. exiguatum exiguata Hübner	Mottled pug	3, 16.4.91.
Ecliptopera silaceata f. *insulata* Haw.	Small phoenix	1, 18.7.90.
E. silaceata D. & S.	Small phoenix	1, 15.9.90.
Family Sphingidae		
Subfamily sphinginae		
Laothoe populi L.	Poplar hawk-moth	1, 17.5.91.
Deilephila elpenor L.	Elephant hawk moth	2, 22.6.93.
Super family		
Family Noctuidae		
Sub-family Noctuinae		
Axylia putris L.	The flame	1, 22.6.93.
Rhyacia simulans Hufnagel	Dotted rustic	1, 27.6.90.
Paradiarsia glariosa Esper.	Autumnal rustic	2, 15.9.90.
Diarsia dahalii Hübner	Barred chestnut	1, 15.8.90.
Xestia triangulum Hufnagel	Double square spot	4, 11.6.90. 1, 27.6.90. 2, 16.7.91.
X. c-nigrum L.	Setaceous Hebrew character	3, 15.8.90. 1, 17.691. 1, 18.9.91.
X. rhomboidea Esp.	Square spotted clay	1, 16.7.91.
Diarsia mendica Fabricus	Ingrailed clay	17, 11.6.90. 3, 27.6.90. 8, 18.7.90. 1, 15.8.90. 8, 17.6.91.
D. brunnea D. & S.	Purple clay	1, 11.6.90.
D. rubi Vieweg	Small square spot	1, 11.6.90. 5, 15.9.90.
Noctua pronuba L.	Large yellow underwing	2, 27.6.90. 1, 18.7.90. 1, 15.8.90. 16, 15.9.90.

		1, 16.7.91. 1, 21.8.91; 22.6.93.
N. janthina D. & S.	Lesser broad-bordered yellow underwing	21, 15.8.90. 3, 21.8.91.
Mythimna impura Hübner	Smoky wainscot	4, 18.7.90. 1, 15.9.90.
M. ferrago Fabricius	The clay	1, 16.7.91.
Agrotis puta Hübner	Shuttle-shaped dart	1, 18.7.90.
A. clavis Hufnagel	Heart and club	3, 27.6.90; 22.6.93.
A. exclamationis L.	Heart and dart	3, 27.6.90.
Sub-family Amphipyrinae		
Euplexia lucipara L.	Small angle shades	1, 27.6.90; 22.6.93.
Charanyca trigrammica Hufnagel	Treble lines	1, 11.6.90. 1, 16.7.91.
Apamea monoglypha Hufnagel	Dark arches	2, 27.6.90. 1, 18.7.90. 2, 15.8.90.
Oligia strigilis L.	Marbled minor	22.6.93.
Amphipyra pyramidea L.	Copper underwing	1, 15.9.90. 2, 21.8.91.
A. berbera svenssoni Fletcher	Svensson's copper underwing	1, 15.8.90.
Mesapamea secalis L.	Common rustic	1, 21.8.91.
M. secalella Remm.	Lesser common rustic	1, 15.8.90.
Hoplodrina alsines Brahm	The uncertain	7, 16.7.91.
Enargia ypsillon D & S	Dingy shears	3, 27.6.90.
Sub-family Hadeninae		
Polia nebulosa Hufnagel	Grey arches	1, 16.7.91.
Hadena compta D. & S.	Varied coronet	1, 11.6.90.
Orthosia gothica L.	Hebrew character	1, 14.3.91. 5,16.4.91. 1, 17.5.91.
O. incerta Hufnagel	Clouded drab	1, 14.3.91.
O. cruda D. & S.	Small quaker	1, 16.4.91.
Sub-family Cucullinae		
Allophyes oxyacanthae L.	Green brindled crescent	1, 16.10.90.
Omphaloscelis lunosa Haworth	Lunar underwing	1, 16.10.90.
Xanthia ocellaris Borkhausen	Pale-yellow sallow	1, 16.10.90.
X. togata Esper	Pink-barred sallow	1, 18.8.91.
Xylocampa areola (ab. rosea) Esp.	Early grey	2, 14.3.91.
Conistra vaccinii L.	The chestnut	2, 14.3.91.
Sub-family Ophiderinae		
Scoliopteryx libatrix	Herald Moth	In BG tunnel (V. Downer)
Sub-family Hypeninae		
Hypena proboscidalis Hübner	The snout	1, 18.9.91.
Pechipogo strigilata L.	Common fanfoot	22.6.93.
Herminia tarsipennalis Treitsche	The fanfoot	1, 11.6.90.
H. tarsicrinalis Knoch	Shaded fanfoot	1, 16.7.91.
H. nemoralis Fabricus	Small fanfoot	1, 11.6.90.
Sub-family Pantheinae		
Autographa gamma L.	Silver Y	1, 18.9.91.
A. pulchrina	Beautiful golden Y	22.6.93.
Colocasia coryli L.	Nut tree tussock	2, 18.7.90. 1, 31.5.91.
Family Erebidae		
Catocala nupta	Red Underwing	8.11.90.

Family Arctiidae		
Sub-family Lithosiinae		
Miltochrista miniata Forster	Rosy footman	22.6.93.
Eilema lurideola Zincken	Common footman	7, 18.7.90. 2, 16.7.91. 22.6.93.
Sub-family Arctiinae		
Spilosoma luteum Hufnagel	Buff ermine	1, 18.7.90. 1, 16.7.91.
Family Lymantriidae		
Euproctis similis Fuessly	Yellow tail	1, 18.7.90.
Family Drepanidae		
Drepana falcataria falcataria L.	Pebble hook tip	1, 15.8.90.

(5x Common emerald
6x Pale prominent
2x White-pinion spotted
1x Common white wave
3x Pale oak beauty
8x Marbled brown
1x knot grass)

23.5.2007 Near central hawthorn
(data to be sorted)

(132 moth species).

Order Diptera		
Family Muscidae		
Fannia canicularis	Lesser house-fly	Bred in old nests.
Family Syrphidae		
Eristalis tenax	Drone Fly	Hibernates in rocks
Family Bibionidae	St. Mark's Fly	13.5.1991, 21.5.1991 Being fed to bt nestlings.
Order Tricoptera		
Family Phryganeidae		
Phryganea bipunctata	Large caddis fly	autumn 2012, larvae in lake
Order Hymenoptera		
Sub-order Symphyta		
Family Tenthredinidae		
Phymatocera aterrina		On Solomons seal. 18.7.1992
Rhadinocera micans		On yellow flag iris.
Family Ichneumonidae		
Ophion luteus		1, 16.10.90.
Family Vespidae		
Vespula vulgaris	Common wasp	Frequent in nest boxes & nests in the ground. Nests in rocks comp 4. 24.5.1991

Family Apidae		
Apis mellifera	Honey bee	Nests in Comp. 9. 24.5.1991.
Bombus pratorum	Bumble bee	Frequent in nest boxes.
Order Coleoptera		
Family Carabidae		
Cicindela campestris	Green tiger beetle	12.5.07 near rocks.
Family Silphidae		
Necrophorus investigator	Burying beetle	In nestboxes with dead birds.
Family Lucanidae		
Dorcus parallelipipedus	Lesser stag beetle	Frequent in dead wood.
Family Cleridae		
Pyrochroa coccinea	Cardinal beetle	Often seen.
Family Coccinellidae		
Adalia bipunctata	2-spot ladybird	14.3.1992. 24.3.1990. Hibernated in box 38
Propylea 14-punctata	14 spot ladybird	On hazel coppice
Family Tenebrionidae		
Cylindrinotus laevioctostriatus		In almost all nest boxes.
Sub-phylum Myriapoda		
Class Chilopoda		
Order Lithobiomorpha		
Family Lithobidae		
Lithobius variegatus	Centipede	Under tree bark.
Class Diplopoda		
Tachypodoiulus niger	Millipede	Under tree bark.
Sub-class Pentazonia		
Order Glomerida		
Family Glomeridae		
Glomeris marginata	Pill millipede	Under tree bark.
Order Isopoda		
Family Asellidae		
Asellus meridianus	Hog louse	In lake 1.3.2006
Oniscus asellus		Under tree bark.
Porcellio scaber		Often in nest boxes.
Class Arachnida		
Order Araneae		
Family Clubionidae		
Clubiona corticalis		In almost every nest box

Phylum Mollusca (molluscs)

Order Cyrenodonta		
Family Spahaeriidae		
Sphaerium sp.	Fresh water cockle	In lake.
Order Pulmonata		
Family Lymnaedae		
Lymnea peregra	Wandering snail	In lake.
Family		
Limax maximus	Tiger slug	damp nest box 15.4.06
Derocerus reticulatum	Grey field slug	In damp nest boxes.

Order Prosobranchia		
Family Bithinidae		
Bithinia tentaculata	Common bithinia	In lake.

Phylum Chordata (animals with backbones)

Class Actinopterygii *(ray-finned fishes)*		Estimated Mean weights from past angling (now forbidden).
Order Cypriniformes		
Family Cyprinidae		
Tinca tinca	Tench	1.75kg spawning 14.6.2001.
Rutilus rutilus	Roach	0.75kg
Order Perciformes		
Family Percidae		
Perca fluviatilis	Perch	1.75kg
Order Esociformes		
Family Esocidae		
Esox lucius	Pike	10kg
Order Anguilliformes		
Family Anguilidae		
Anguilla anguilla	Eel	1.5kg
Class Amphibia (amphibians)		
Order Anura (Salientia)		
Family Bufonidae		
Bufo bufo	Common toad	in Eastern marsh 3/05
Family Ranidae		
Rana temporaria	Common frog	Seen occasionally, possibly breeds.
Order Caudata		
Family Trituridae		
Triturus helveticus	Palmate newt	20.5.04 reed bed.
T. vulgaris	Common newt	Downlands Farm Eco. Survey 2008
T. cristatus	Great crested newt	9.04 Barry Kemp marsh area
Class Reptilia (reptiles)		
Order squamata		
Family Colubridae		
Natrix natrix	Grass snake	Good breeding population, frequently Seen. 26.4.1991. 21.5.1991 swimming.
Family Viviperidae		
Vipera berus	Viper or Adder	2 seen near Boathouse August 2002 By Henri Brocklebank
Family Lacertidae		
Lacerta vivipara	Viviparous lizard	Small breeding population 25.5.1993.
Anguis fragilis	Slow worm	WPLNR and Downlands 2008
Class Mammalia (mammals)		
Order Insectivora		
Family Erinaceidae		
1.*Erinaceous europaeus*	Hedgehog	Dead on Rocks Road 9.3.2005 **Recorded in WPLNR**

Family Talpidae		
2.*Talpa europa*	Mole	Present throughout wood.
Family Soricidae		
3.*Sorex araneus*	Common shrew	Present, status unknown.
4.S. minutus	Pygmy shrew	Present, status unknown. 8.5.1989.
Order Chiroptera		
Family Vespertillionidae		
5.*Myotis daubentoni*	Daubentons bat	Flies over lake & H. in tunnel 15.5.1991 hunting over lake. 19.1.1997. 14.2.1993. 21.1.2001. ?.1.2009.
6.M. nattereri	Natterer's bat	Hibernates in rocks 18.1.1987. 13.1.1991. 9.12.1994. 13.2.2011. 12.2.2012.13.1.2013. 10.2.2013. 9.2.2014. 8.2.2015. 15.1.06 (V.D.)
7.M.brandti/mystacinus	Brandt's/whiskered	hibernates in rock tunnels. 9.2.1992. 17.9.1994.
8.Nyctalus noctula	Noctule	Roosts in tree holes.
9.Pipistrellus pipistrellus	Pipistrelle	Flies in wood.
10.Plecotus auritus	Brown long-eared bat	Hibernates in rocks. 11.1.2015. 21.2.1992 (Bux Gr).
Order Lagomorpha		
Family Leporidae		
11.Oryctolagus cuniculus	Rabbit	Breeds throughout wood.
Order Rodentia		
Family Sciuridae		
12.Sciurus carolinensis	Grey squirrel	3-4 pairs breed.
Family Gliridae		
13.Muscardinus avellanarius	Hazel dormouse	Small breeding population. Monitored each month April to October from 2008.
Family Muridae		
Sub-family Microtinae		
14.Clethrionomys glareolus	Bank vole	Breeding population. 3.3.1990.
Sub-family Murinae		
15.Apodemus sylvaticus	Wood mouse	Large breeding population.
16.A. flavicolis	Yellow-neckedmouse	Large breeding population. e.g.25.10.90.
17.Rattus norvegicus	Common rat	November 2005 by lake
Order Carnivora		
Family Canidae		
18.Vulpes vulpes	Fox	1 pair breeds most years. Male 7.2.1991. 8.5.1995. (with rabbit).
Family Mustelidae		
19.Mustela nivalis	Weasel	Small numbers, probably breeds. Evidence of predation in nb 27.9.90.
20.M. vision	American mink	Found dead Rocks Road 8.1.05
21.Meles meles	Badger	One active sett most years. 23.2.1997.
Family Felidae		

22.Felis catus	Domestic cat	Occasional visitor.
Order Artilodactyla		
Family Cervidae		
23.Cervus dama	Fallow deer	Often visit wood. 14.4.1988 (2).
24 Capreolus capreolus	Roe deer	10.4.2012
25.Muntiacus reevesi	Muntjac	Seen once in 1988.

(25 species of mammals).

Class Aves (birds)		
Order Gaviformes		
Family Podicipedidae		
1 Podiceps cristatus	Great crested grebe	Seen 25/26 May 2003 (single).
2. Tachybaptus fuficollis	Little Grebe	11.1.1991.
Order Pelicaniformes		
Family Phalacrocoracidae		
3 Phalacrocorax carbo	Cormorant	Occasional visitor to lake. 16.4.1990.
Order Circoniformes		
Family Ardeidae		
4 Ardea cinerea	Grey heron	Occasional non-breeding visitor. June 2023 hunting from floating detritus.
Order Anseriformes		
Family Anatidae		
Sub-family Cygninae		
5 Cygnus olor	Mute swan	Occasional visitor to lake.
Sub-family Anserinae		
6 *Anser anser*	Greylag goose	1 pr. On lake May 2nd 2005 Also 22.5.05
7 *Branta canadensis*	Canada goose	Occasional visitor e.g.1pr 2.5.05
8 Aix galericulata	Manderin	Seen on lake 23.4.2004
9 Anas platyrhynchos	Mallard	Often present, breeding confirmed 28.5.1989 fem. 28.3.1999.
10 A. clypeta	Shoveler	Occasional visitor 27.4.1996.
11 Mareca Penelope	Wigeon	18.4.2004 flying over
Sub-family Aythyinae		
12 Aythya fuligula	Tufted duck	Occasional non-breeding visitor. 15.3.1992 (2 seen). 2males + 5 females 4.3.2000
Order Accipitriformes		
Family Accipitridae		
13 Accipiter nisus	Sparrowhawk	1 pair breeds in most years. 3.4.1989. 19.4.1989. 24.4.1990. 7.2.1991.27.4.1991. 27.5.1991. 25.4.1992. 16.5.1992. 20.5.1992. 13.6.1992. 22.5.1993. 23.4.1994.11.5.1996. 15.5.1997. 28.3.1999.
14 Accipiter gentilis	Goshawk	Probable 22.4.2005 Seen also near parish church
15 Buteo buteo	Common Buzzard	Seen circling overhead & perching

		2004 also 25.3.2005, 5.6.2005
16 Pernis apivorus	Honey buzzard	20.4.1996. over Fir Tree Grove.
17 Circuscyaneus	Hen harrier	Budletts Farmhouse, Mike Pope '09
Order Falconiformes		
Family Falconidae		
18 Falco tinnunculus	Kestrel	Frequent visits, breeding unconfirmed. 30.5.1988 m & f. 17.5.1990. 28.3.1999.
19Falco perigrinus	Peregrine	9.11.2008 flying over wood near lake.
Order Galliformes		
Family Phasianidae		
20 Phasianus colchicus	Pheasant	Seen regularly. 29.11.90.
21 Alectoris rufa	Red-legged partridge	29.3.1990
Order Gruiformes		
Family Rallidae		
22 Gallinula chloropus	Moorhen	1-2 pairs usually bred. 6.5.1988. 28.3.1999.
23 Fulica atra	Coot	1 pair usually bred. 5.5.1988 + 6 pull. 20.4.1990 nest + 2 chicks.
24 Rallus aquaticus	Water rail	Seen occasionally, breeding unlikely.
Order Charadiformes		
Family Scolopacidae		
25 Scolopax rusticola	Woodcock	Occasional visitor. 2.5.1989. 13.3.1990. June 2023 Downlands.
26 Gallinago gallinago	Snipe	27.1.08 flushed over Downlands
27 Actitis hypoleucos	Common sandpiper	Regular visitor on passage. 18.3.1991. 24.4,1991. 28.4.1991. 23.4.1994. near lake.
28 Numenius arquata	Eurasian Curlew	heard on Downlands – migration.
Family Laridae		
29 Larus ridibundus	Black-headed gull	Occasional visitor to lake & overhead.
Order Columbiformes		
Family Columbidae		
30 Columba palumbus	Woodpigeon	10-15 pairs breed annually. Nest 23.5.1998 c2.
31 C. oenas	Stock dove	1-2 pairs breed annually. 23.4.1988. 23.4.1989. 4.4.1990. 25.4.1990. nest nr box 32. 27.4.90. c1 warm.
32 C. livia	Rock dove (feral)	Stop to rest on rocks 21.6.2001.
33 Streptopelia turtur	Turtle dove	Occasional visitor. 8.5.1989. 19.5.1989. 10.5.2001 May breed. 26.5.2003.
34 S. decaocto	Collared dove	13.3.2005. 28.3.1999 WPLNR.
Order Cuculiformes		
Family Cuculidae		
35 Cuculus canorus	Common Cuckoo	Visits wood most years. 23.4.1989. 9.4.90. 25.4.1992. 4.5.1996.

Order Strigiformes		
Family Strigidae		
36 Tyto alba	Barn owl	Seen Budletts, Mike Pope 2006.
37 Strix aluco	Tawny owl	1-2 pairs breed annually. 21.4.1988. 3.6.90. 2 fledglings calling & flying. 28.4.90. nr box 50. 29.4.1995. 8.5.1995. 11.5.1996.
Order Caprimulgidae		
38 Caprimulgus europaeus	Nighjar	June/July 2023. Downlands Farm Verified by SBRC 30.6.2023.
Order Apodiformes		
Family Apodidae		
39 Apus apus	Swift	Feeds above wood. 30.4.1988. 3.5.1990. 13.5.1991. 2.5.2001.
Order Coraciiformes		
Family Alcedinidae		
40 Alcedo atthis	Kingfisher	Frequent visitor, breeding unlikely. 24.5.2001. 10.5.1997.
Order Piciformes		
Family Picidae		
41 Dendrocopos major	Great spotted Woodpecker	One pair, breeding usual. 14.9.1989. 11.10.1989. 16.5.1990. 25.5.1990. 28.5.1990. 3.6.90 fledged. 5.6.90 family seen in Fir Tree Grove. 25.10.90.1.11.90. 11.1.91. 15.1.1991. 22.1.91. 26.1.1991. 12.2.1991. 19.2.1991 (m & f). 13.3.1991. 12.4.1991. 10.5.1991. 24.5.1991. 27.4.1996.
42 D. minor	Lesser spotted woodpecker	Frequent visitor. 15.3.1990. 18.4.1991.
43 Picus viridis	Green woodpecker	Often present, breeding probable. Nest in coast redwood 15.3.1990. 12.2.1991. 19.2.1991. 12.4.1991. 27.4.1996. 11.6.2005.
Order Passeriformes		
Family Alaudidae		
44 Alauda arvensis	Skylark	Often present in adjacent field. 17.5.1997.
Family Hirundinidae		
45 Hirundo rustica	Swallow	Feed & drink at lake and wood. 13.4.1987. 10.4.1991. 28.4.1991. 2.4.1997.
46 Delichon urbica	House martin	Fed above & in lee of wood. 3.5.2001.
Family Motacillidae		
47 Motacilla cinerea	Grey wagtail	Frequent visitor, occasionally breeds 7.5.1989. 8.5.1995. 22.3.2001. 2nd nest 21.6.2001.

		1.5.2004 & 1.5.05 nest in boathouse.
48 M. alba	Pied wagtail	Seen flying over lake May 2001. 28.3.1999
Family Sturnidae		
49 Sturnus vulgaris	Starling	5-10 pairs breed annually. 18.3.1988 nest in cavity nr nb 13. 28.3.1999.
Family Corvidae		
50 Garrulus glandarius	Jay	Frequent, breeding possible. 4.6.89.
51 Pica pica	Magpie	1-2 pairs breed annually. 28.3.1999.
52 Corvus monedula	Jackdaw	3-6 pairs breed annually. 5.6.1988. nest in wind-blown beech. 8.5.1989 nest. Hatch 16.5.1989. 3 pull 28.5.1989. Fledglings 14.6.2001. Nest near box 31 12.4.1997.
53 Corvus corone	Carrion crow	Occasional visitor. 28.3.1999.
Family Troglodytidae		
54 Troglodytes troglodytes	Eurasian Wren	Up to 12 pairs breed annually. 20.4.1988. 23.4.1989. 29.5.1992 fledged. 28.3,1999 Nest in cave 7.6.2001.
Family Prunellidae		
55 Prunella modularis	Dunnock	1-2 pairs breed annually. 28.3.1999.
Family Sylviidae		
56 Sylvia atricapilla	Blackcap	1-2 pairs breed annually. 16.4.1988. 23.4.1989. 19.4.1991. 20.4.1991. 1.5.1992. 13.4.1993. 6.4.1996. 1.4.1997. 1.4.1998. 3.4.1998. 28.3.2002.
57 S. borin	Garden warbler	? 31.5.1997.
58 S. communis	Whitethroat	16.5.1992.
59 S. curruca	Lesser whitethroat	5.5.1989. 15.5.1994.
60 Phylloscopus trochilus	Willow warbler	1-2 pairs bred annually Early years. Recorded 16.4.1988. 23.4.1989. 16.5.1992. 14.6.1992. 3.4.1998 21.4.2002.
61 P. collybita	Chiffchaff	1-2 pairs breed annually 19.3.1989. 23.4.1989. 14.3.1991. 18.3.1991. 30.3.1996, 28.3.1999. Hybrid ww/cc 27.4.1997.
62 P. sibilatrix	Wood warbler	Occasional passage visitor. 21.5.1991. 18.5.2001. 5.4.2003?
63 Regulus regulus	Goldcrest	2-3 pairs breed annually. 26.3.1989. 11.10.1989.
64 R. ignicapillus	Firecrest	23 December ’05 in holly
Family Muscicapidae		
65 Muscicapa striata	Spotted flycatcher	1-2 pairs breed occasionally. Nest near lake 8.5.1995. 27.5.1996.
Family Turdidae		

66 Erithacus rubecula	European robin	4-5 pairs breed annually. 23.4.1988. 23.4.1989.
67 Luscinia megarhynchos	Nightingale	4.6.1991 5 nestlings. 18.5.1993.
68 Turdus merula	Blackbird	6-7 pairs breed annually. 23.4.1989. 25.5.1990. Nest in *Castanea sativa* tree. 4 pull. C. 6 days. 23.4.1994. fledged 21.5.94. 2.6.1991 3 nestlings (nr box 2).
69 T. iliacus	Redwing	Annual winter visitor.
70 T. philomelos	Song thrush	3-4 pairs breed annually. 20.4.1988. 23.4.1989. Nest (in c. laurel) 7.4.91. 4 pull. Fledged 27.4.1991. 18.7.1992. nest c2.
71 T. viscivorus	Mistle thrush	1-2 pairs breed annually. 11.4.1988. 15.5.1997 near NB 13.
72 T. pilaris	Fieldfare	Annual winter visitor.
Family Paridae		
73 Poecile palustris	Marsh tit	1-2 pairs breed annually. 9.4.1988 (poss wt). 8.5.1995. 4.5.1996. 30.12.2002.
74 P. montanus	Willow tit	Seen & heard occasionally 9.4.1988?
75 Cyanistes caeruleus	Blue tit	30-38 pairs breed annually in nest-boxes.
76 Periparus. ater	Coal tit	3-4 pairs breed annually. 11.4.1988.
77 Parus major	Great tit	5-6 pairs breed annually in nest-boxes.
Family Aegithalidae		
78 Aegithalos caudatus	Long tailed tit	1-3 pairs breed annually. 5.5.1989. 18.4.1990 nest. Fledglings 12.3.1991 (5). 7.5.2001. 28.3.1999.
Family Sittidae		
79 Sitta europea	Nuthatch	2-4 pairs breed annually. 19.4.1988. 20.4.1988. 15.4.1989. 27.9.1989. (VE12584) ring. also (VE12583). 29.3.1990. 7.4.1991 natural hole nesting. 16.5.1992. Fledglings 21.5.2001.
Family Certhiidae		
80 Certhia familaris	Treecreeper	3-5 pairs breed annually. 16.4.1988. 23.4.1989. roost in bark of *Seqoiadendron gigantium* 17.5.1997. 9.4.2005, 24.5.2001 Nest in dead birch.
Family Ploceidae		
81 Passer domesticus	House sparrow	13.3.2005
Family Fringillidae		
82 Fringilla coelebs	Chaffinch	4-5 pairs breed annually. 23.4.1988. 16.5.1992.
83 Pyrrhula pyrrhula	Bullfinch	1-2 pairs may breed annually.

		14.3.1990. 29.3.1990. 8.11.90.
84 Carduelis chloris	Greenfinch	Frequently seen, breeding not confirmed.
85 C. carduelis	Goldfinch	Frequently seen, breeding not confirmed. 8.5.1995.

(85 species of birds).