

The Wye Gorge: an internationally important site for saproxylic invertebrates

Appendix

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Lists of key saproxylic beetles and flies recorded in the Wye Gorge woodlands

RIEC beetle species listed by Alexander (2004) and found in Wye Gorge woodlands, including Dingestow Court. To date, 67 of 177 species have been recorded. RIEC shows each species' score in the Index of Ecological Continuity (IEC) (higher scores represent stronger association with old-growth conditions), and SQS shows scores in the Saproxylic Quality Index (SQI) (higher scores represent greater rarity). See main article for more information on these two indexes.

Species	Family	Microhabitat	RIEC	SQS	Cadora Wood	Coppice Mawr	Dingestow Court	Little Downard	Lower Hael Wood	Margaret's Wood	Piercefield Park	Wye Valley SAC	Wyelands
<i>Euglenes oculatus</i>	Aderidae	Oak red-rot	1	8		x	x						x
<i>Platyrhinus resinosus</i>	Anthribidae	Ash and Beech fungi	1	4	x			x					x
<i>Platystomos albinus</i>	Anthribidae	Deadwood and fungi	1	8		x							x
<i>Biphyllus lunatus</i>	Biphyllidae	Ash fungi	1	4	x	x	x						
<i>Diplocoelus fagi</i>	Biphyllidae	Loose Beech bark	1	8		x				x			x
<i>Leptura quadrifasciata</i>	Cerambycidae	Damp decaying wood	1	2									x
<i>Mesosa nebulosa</i>	Cerambycidae	Sapwood	2	24				x					
<i>Phymatodes testaceus</i>	Cerambycidae	Oak bark and sapwood	1	2			x						x
<i>Pyrrhidium sanguineum</i>	Cerambycidae	Oak bark and sapwood	3	24	x	x	x	x					
<i>Cerylon fagi</i>	Ceryloniidae	Oak heartwood	2	8		x							
<i>Thanasimus formicarius</i>	Cleridae	Bark beetle predator	1	4									x
<i>Tillus elongatus</i>	Cleridae	Woodworm beetle predator	1	8	x			x					x
<i>Bitoma crenata</i>	Colydiidae	Oak and Beech bark	1	4		x							
<i>Cicones variegatus</i>	Colydiidae	Beech fungi	2	8									x
<i>Pediacus dermestoides</i>	Cucujidae	Broad-leaved bark	1	4	x	x	x	x					x
<i>Ernoporicus caucasicus</i>	Curculionidae	Lime bark	2	16	x	x							x
<i>Ernoporicus fagi</i>	Curculionidae	Freshly-dead Beech	1	8			x			x			x
<i>Ernopus tiliae</i>	Curculionidae	Lime bark	2	32									x
<i>Trachodes hispidus</i>	Curculionidae	Oak branchwood	1	8	x	x							x
<i>Trypodendron domesticum</i>	Curculionidae	Fresh wood	1	2	x								x
<i>Trypodendron signatum</i>	Curculionidae	Dead Oak and Beech	1	8							x		x
<i>Xyleborinus saxesenii</i>	Curculionidae	Oak and Beech sapwood	1	4			x						
<i>Ampedus cinnabarinus</i>	Elateridae	Heart-rot	3	16							x		
<i>Stenagostus rhombeus</i>	Elateridae	Beech bark	1	4		x	x	x					x

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<i>Symbiotes latus</i>	Endomychidae	Bark and fungi	1	8						x			
<i>Melasis buprestoides</i>	Eucnemidae	Hard dead timber	1	4		x							
<i>Microrhagus pygmaeus</i>	Eucnemidae	Well-decayed oak	1	8	x	x					x		
<i>Aeletes atomarius</i>	Histeridae	Decaying heartwood	3	16							x		
<i>Plegaderus dissectus</i>	Histeridae	Decaying timber	2	8							x x		
<i>Enicmus brevicornis</i>	Latridiidae	Mouldy bark	1	8		x					x		
<i>Enicmus rugosus</i>	Latridiidae	Slime mould	2	8		x	x						
<i>Erotides cosnardi</i>	Lycidae	Beech heartwood	3	24	x			x			x		
<i>Platycis minuta</i>	Lycidae	White-rot heartwood	1	8		x	x				x x		
<i>Hylecoetus dermestoides</i>	Lymexylidae	Fresh wood	1	4	x		x	x			x		
<i>Conopalpus testaceus</i>	Melandryidae	Decaying oak branches	1	8	x								
<i>Orchesia undulata</i>	Melandryidae	Dead branches	1	4	x	x		x			x		
<i>Rhizophagus nitidulus</i>	Monotomidae	Sappy bark	1	4	x		x				x		
<i>Mordellistena neuwaldeggiana</i>	Mordellidae	Decaying wood	1	16				x			x		
<i>Mycetophagus atomarius</i>	Mycetophagidae	Beech and Ash fungi	1	2	x	x	x	x			x		
<i>Ischnomera cyanea</i>	Oedemeridae	White-rot	1	4	x			x					
<i>Ischnomera sanguinicollis</i>	Oedemeridae	White-rot	3	16				x			x		
<i>Phloiophilus edwardsi</i>	Phloiophilidae	Dead aerial branches	1	8							x		
<i>Platypus cylindrus</i>	Platypodidae	Fresh dead oak bark	1	8				x			x		
<i>Anitya rubens</i>	Ptiniidae	Oak red-rot	3	8							x		
<i>Dorcatoma chrysomelina</i>	Ptiniidae	Oak red-rot	1	4				x		x	x		
<i>Dorcatoma dresdensis</i>	Ptiniidae	Bracket fungi	2	16							x		
<i>Dorcatoma flavicornis</i>	Ptiniidae	Oak red-rot	1	8		x	x				x x		
<i>Dorcatoma substriata</i>	Ptiniidae	Bracket fungi	2	16				x			x		
<i>Ptinus subpilosus</i>	Ptiniidae	Deadwood cavities	2	8				x			x		
<i>Xestobium rufovillosum</i>	Ptiniidae	Dead heartwood	1	4							x x		
<i>Pyrochroa coccinea</i>	Pyrochroidae	Under freshly dead bark	1	4	x	x	x		x		x x		
<i>Prionocyphon serricornis</i>	Scirtidae	Water-filled rot holes	1	8		x	x				x		
<i>Scraptia testacea</i>	Scraptiidae	White-rotten heartwood	3	16				x					
<i>Silvanus unidentatus</i>	Silvanidae	Sappy bark	1	2		x							
<i>Hypnogyra angularis</i>	Staphylinidae	Damp wood mould	2								x		
<i>Quedius aetolicus</i>	Staphylinidae	Wood mould and nests	1	16		x	x						
<i>Quedius maurus</i>	Staphylinidae	Subcortical rotten wood	1	4	x								
<i>Quedius microps</i>	Staphylinidae	Very rotten wood	1	8				x			x		
<i>Quedius truncicola</i>	Staphylinidae	Very rotten wood	1	8				x			x		
<i>Quedius xanthopus</i>	Staphylinidae	Decaying bark and fungi	1	4				x			x		
<i>Stenichnus bicolor</i>	Staphylinidae	Bark and decaying timber	1	4							x		
<i>Eledona agricola</i>	Tenebrionidae	Chicken-of-the-woods fungus	1	4			x				x		
<i>Prionychus ater</i>	Tenebrionidae	Black wood-mould	1	8				x			x x		
<i>Prionychus melanarius</i>	Tenebrionidae	Black wood-mould	3	32							x		
<i>Pseudocistela ceramboides</i>	Tenebrionidae	Black wood-mould	2	8					x		x		
<i>Tetrotoma ancora</i>	Tetrotomidae	Aerial dead branches	1	8				x			x		
<i>Aulonothroscus brevicollis</i>	Throscidae	Dead oak branches	2	24					x				
Total			96	606	18	25	29	12	1	3	8	44	7

Some of the key saproxylic flies recorded from sites in the Wye Gorge.

Species	Common Name	Family	Microhabitat	Cadora Wood	Coppice Mawr	Dingestow Court	Little Downard	Wye Valley SAC
<i>Lasiamba brevibucca</i>	A frit fly	Chloropidae	Sap runs and rot holes	x	x			x
<i>Systemus schotzi</i>	A marshfly	Dolichopodidae	Rot holes	x				
<i>Phortica variegata</i>	Variiegated Fruit-fly	Drosophilidae	Rot holes					x
<i>Fannia aequilineata</i>	A lesser housefly	Fanniidae	Wood detritus and sap runs	x	x			x
<i>Lipsothrix nigristigma</i>	Scarce Yellow Splinter	Limoniidae	Saturated fallen branches					x
<i>Rhipidia ctenophora</i>	A cranefly	Limoniidae	Rot holes and sap runs					x
<i>Rhipidia uniseriata</i>	A cranefly	Limoniidae	Decaying timber and rot holes	x	x			
<i>Megamerina dolium</i>	A fly	Megamerinidae	Under bark	x				
<i>Helina abdominalis</i>	A housefly	Muscidae	Rot holes	x	x			
<i>Phaonia laeta</i>	A housefly	Muscidae	Sap runs	x	x			x
<i>Mycetobia gemella</i>	Scots Pine Wood Gnat	Mycetobiidae	Sap runs					x
<i>Acnemia amoena</i>	A fungus gnat	Mycetophilidae	Decaying wood					x
<i>Keroplatus testaceus</i>	A fungus gnat	Mycetophilidae	Polypore fungi	x			x	x
<i>Macrocera inversa</i>	A fungus gnat	Mycetophilidae	Rotten wood				x	
<i>Manota unifurcata</i>	A fungus gnat	Mycetophilidae	Decaying wood					x
<i>Eupachygaster tarsalis</i>	Scarce Black	Stratiomyidae	Rot holes			x		
<i>Neopachygaster meromelas</i>	Silver-strips Black	Stratiomyidae	Under loose bark					x
<i>Pachygaster leachii</i>	Yellow-legged Black	Stratiomyidae	Under loose bark			x		x
<i>Brachypalpus laphriformis</i>	A hoverfly	Syrphidae	Rot holes					x
<i>Criorhina asilica</i>	A hoverfly	Syrphidae	Decayed heartwood debris					x
<i>Criorhina berberina</i>	A hoverfly	Syrphidae	Wet heart-rot	x				x
<i>Criorhina floccosa</i>	A hoverfly	Syrphidae	Wet decaying wood debris	x				x
<i>Criorhina ranunculi</i>	A hoverfly	Syrphidae	Moist decaying heartwood					x
<i>Ferdinanda ruficornis</i>	A hoverfly	Syrphidae	Sap runs			x		
<i>Volucella inflata</i>	A hoverfly	Syrphidae	Sap runs	x	x			x
<i>Ctenophora flaveolata</i>	Wasp-banded Comb-horn	Tipulidae	Decaying Beech					x
<i>Ctenophora pectinicornis</i>	Orange-sided Comb-horn	Tipulidae	Beech rot holes					x
<i>Dictenia bimaculata</i>	Twin-mark Comb-horn	Tipulidae	Well-decayed timber		x			
<i>Tanyptera atrata</i>	Giant Sabre Comb-horn	Tipulidae	Decaying logs and trunks					x