

Some of the most important invertebrates in the Lye Valley SSSI & LWS areas including mostly fens (old Hogley Bog)

J A Webb 2015

This species list includes a large number of common invertebrates. These are just the ones that are scarce-to-rare locally or nationally and thus of conservation concern. Many remain as yet unidentified. Note that proper surveys for moths and beetles have not yet been carried out, so there will be more important species to add to these groups.

KEY to Conservation Statuses:

RDB = Red Data Book listed (1 = Endangered, 2 = Vulnerable, 3 = Rare) **NT** = Near threatened

BAP = Biodiversity Action Plan Species (now known as Section 41 species)

**Shading =
of most conservation concern**

| Scientific name | Common name | Group | Wetland/Dryland species | Local/national status | Comment |
|---------------------------------|----------------------------|-----------|-------------------------|-----------------------|--|
| <i>Thecla betulae</i> | Brown hairstreak | Butterfly | Scrub | RDB/BAP Section 41 | In scrub with blackthorn |
| <i>Lasius fuliginosus</i> | Jet ant | Ant | Scrub/trees | Local | Nests in hollow tree, rare other insect species associated |
| <i>Andrena labiata</i> | Girdled mining bee | Bee | Wetland/scrub/grassland | Notable / Nat scarce | |
| <i>Coelioxys elongata</i> | Dull-vented Sharp-tail | Bee | Wetland/scrub/grassland | Local | |
| <i>Hylaeus pictipes</i> | Solitary bee | Bee | Wetland/scrub/grassland | Notable / Nat Scarce | |
| <i>Colletes hederæ</i> | Ivy bee | Bee | Scrub | Local in S England | Increasing species, feeds only on ivy flowers |
| <i>Eubria palustris</i> | Water penny beetle | Beetle | Wetland | RDB 3 Rare | Needs very short vegetation, warm wet fen |
| <i>Phytoecia cylindrica</i> | Umbellifer longhorn beetle | Beetle | Wetland/scrub/grassland | Notable/ Nat Scarce | Breeds in umbellifers (Apiaceae) |
| <i>Actenicerus sjaelandicus</i> | Marsh click beetle | Beetle | Wetland as larva | Local | |
| <i>Lampyrus noctiluca</i> | Glow-worm | Beetle | Wetland/scrub/grassland | Local | Feeds on snails |

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| <i>Agrilus viridis</i> | Beech splendour beetle | Beetle | Scrub | Notable / Nat Scarce | Breeds in dead wood |
| <i>Glaphyra umbellatarum</i> | Pear short-wing beetle | Beetle | Scrub/trees | Notable / Nat Scarce | Breeds in dead wood |
| <i>Pholidoptera griseoaptera</i> | Dark bush cricket | Cricket (orthoptera) | Wetland, scrub | Local | |
| <i>Aulacigaster leucopeza</i> | A fly | Fly (Aulacigastridae) | Trees | Notable / Nat Scarce | A sap-run species |
| <i>Gaurax sp cf. maculipennis</i> | A small chloropid fly | Fly (Chloropid) | Scrub (breeds in fungi) | ? New to Britain | Reared from fungus on willow, name to be confirmed |
| <i>Cryptonevra nigratarsis</i> | A chloropid fly | Fly (Chloropid) | Wetland | Notable / Nat Scarce | |
| <i>Dicraeus tibialis</i> | A chloropid fly | Fly (Chloropid) | Wetland | Notable / Nat Scarce | |
| <i>Lipara lucens</i> | A reed gall fly | Fly (Chloropid) | Wetland | Local | In reeds |
| <i>Lipara rufitarsis</i> | A reed gall fly | Fly (Chloropid) | Wetland | Notable / Nat Scarce | In reeds |
| <i>Paraclusia tigrina</i> | A clusiid fly | Fly (clusiid) | Dead wood | RDB 3 Rare | |
| <i>Dicranomyia lucida</i> | Spotted beauty | Fly (cranefly) | Wetland as larva | Notable / Nat Scarce | |
| <i>Lipsothrix nervosa</i> | Southern yellow splinter | Fly (cranefly) | Wetland as larva | Nat Scarce/ BAP/ Section 41 | |
| <i>Molophilus corniger</i> | A cranefly | Fly (cranefly) | Wetland as larva | Notable / Nat Scarce | |
| <i>Thaumastoptera calceata</i> | A cranefly | Fly (cranefly) | Wetland as larva | Notable / Nat Scarce | |
| <i>Tipula maxima</i> | Giant cranefly | Fly (cranefly) | Wetland as larva | Local | |
| <i>Triogma trisulcata</i> | Dimple-cheeked damsel | Fly (cranefly) | Wetland as larva | RDB 3 Rare | Needs short, warm, wet mossy fen |

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| <i>Greenomyia mongolica</i> | A fungus gnat | Fly (fungus gnat) | Unknown | Recent colonist to Britain | Unknown life cycle |
| <i>Rutylapa ruficornis</i> | A fungus gnat | Fly (fungus gnat) | Wetland as larva | Nationally scarce | |
| <i>Chalcosyrphus nemorum</i> | A hoverfly | Fly (hoverfly) | Wetland | Local | Breeds in waterlogged dead wood |
| <i>Cheilosia barbata</i> | A hoverfly | Fly (hoverfly) | Scrub, grassland | Notable / Nat Scarce | |
| <i>Orthonevra brevicornis</i> | A hoverfly | Fly (hoverfly) | Wetland as larva | Very Local | |
| <i>Cnemacantha muscaria</i> | A lauxaniid fly | Fly (lauxaniid fly) | Wetland/scrub/grassland | RDB 3 Rare | |
| <i>Paloptera scutellata</i> | A Pallopterid fly | Fly (pallopterid) | Wetland | Notable / Nat Scarce | Lives in rushes (Juncus) |
| <i>Dorycera graminum</i> | Phoenix fly | Fly (picture wing fly, Ulidiidae) | Dryland, scrub | RDB 3 / Near Threatened / BAP/ Section 41 | In LWS scrub on golf course |
| <i>Pherbellia annulipes</i> | A snail-killing fly | Fly (snail-killing fly) | Wetland | Notable / Nat Scarce | Depends on snails |
| <i>Pherbellia nana</i> | A snail-killing fly | Fly (snail-killing fly) | Wetland | Notable / Nat Scarce | Depends on snails |
| <i>Spania nigra</i> | Liverwort snipefly | Fly (snipefly) | Wetland as larva | Notable / Nat Scarce | Depends on liverworts |
| <i>Oxycera morrisii</i> | White-barred soldier | Fly (soldierfly) | Wetland as larva | Notable / Nat Scarce / Local | Recordings of this fly are increasing Therefore status down |
| <i>Oxycera pygmaea</i> | Pygmy soldier | Fly (soldierfly) | Wetland as larva | Notable / Nat Scarce | |
| <i>Oxycera rara</i> | Four-barred major | Fly (soldierfly) | Wetland as larva | Local | |
| <i>Oxycera trilineata</i> | Three-lined soldier | Fly (soldierfly) | Wetland as larva | Local | |

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| <i>Solva marginata</i> | Drab Wood-soldier | Fly (wood-soldierfly) | Dryland | Notable / Nat Scarce | |
| <i>Stratiomys potamida</i> | Banded general soldier | Fly (soldierfly) | Wetland as larva | Notable/ Nat Scarce/ Local | Has become more common in recent years therefore status down |
| <i>Stratiomys singularior</i> | Flecked general soldier | Fly (soldierfly) | Wetland as larva | Notable / Nat Scarce | Rare in Oxon, usually coastal |
| <i>Vanoyia tenuicornis</i> | Long-horned soldier | Fly (soldierfly) | Wetland as larva | Notable/ Nat Scarce | |
| <i>Nemotelus pantherinus</i> | Fen snout | Fly (soldierfly) | Wetland as larva | Local | |
| <i>Beris clavipes</i> | Scarce orange legionnaire | Fly (soldierfly) | Wetland as larva | Notable / Nat Scarce | |
| <i>Stenomicra cogani</i> | A stenomicrid fly | Fly (Stenomicridae) | Wetland as larva | RDB 3 / Nat Scarce | Recordings of this fly are increasing. Therefore status down |
| <i>Macquartia viridana</i> | A parasite fly | Fly (tachinid) | Wetland | Rare, data deficient | Very few specimens known |
| <i>Zophomyia temula</i> | A parasite fly | Fly (tachinid) | All habitats | Notable / Nat Scarce | Breeds in moth larvae |
| <i>Euphranta toxoneura</i> | A tephritid fly | Fly (tephritid) | Scrub | Notable / Nat Scarce | Breeds in galls on willow leaves |
| <i>Callimorpha dominula</i> | Scarlet tiger moth | Moth | Wetland | Local | Larva mostly on comfrey |
| <i>Vertigo antiveritigo</i> | Marsh whorl snail | Snail (mollusc) | Wetland | Very local | Needs very short vegetation in wet fen, declining in Oxon |
| <i>Euconulus alderi</i> | Tawny glass snail | Snail (mollusc) | Wetland | Local | |

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| HISTORIC RECORDS | | | | | |
| <i>Stratiomys chamaeleon</i> | Clubbed general soldierfly | Fly (soldierfly) | Wetland as larva | RDB1 | Recorded up to 1920s, may still be present, only other England site Cothill fen area of Oxon. On current List of Inverts most likely to go extinct in England. Outside England only Anglesey fens and the Black Isle, Scotland. <u>Target species for re-introduction as habitat suitable</u> |
| ALIEN SPECIES (INVADERS) | | | | | |
| <i>Hygromia cinctella</i> | Girdled snail | Snail (mollusc) | Wetland | Alien | Probably introduced from garden rubbish dumping |
| <i>Pacifastacus leniusculus</i> | Signal crayfish | Crustacean | Stream | Alien | |