London Biodiversity Action Plan – Review of Priority Species

1. Background

Those familiar with the paper *London Biodiversity Action Plan – Species of Conservation Concern and Priority Species for action* (GLA 2005), will be aware of the existing list of London BAP priority species, which are subject to London Plan policy 3D.12 (*Biodiversity and nature conservation*). Policy 3D.12 is to be revised as part of the first review of the London Plan (*Further Alterations to the London Plan*) in 2008. However there is presently no intention to change the policy affording protection through the planning system to priority species identified in the London and Borough Biodiversity Action Plans.

The UK Biodiversity Action Plan was reviewed in 2007, including a complete revision of the national list of priority habitats and species. As the primary criterion for identifying London BAP priority species selects all UK BAP priority species with native or long-established naturalised populations in Greater London, the UK BAP review clearly necessitates a revision of the London BAP priority species.

On-going ecological survey has re-discovered and recorded several new species resident in Greater London since 2005. Also the regional biological records centre (Greenspace Information for Greater London - GIGL) has continued to develop in the interim, enabling much improved cross-referencing of related databases. This review of our BAP Priority Species has therefore taken the opportunity to also consider these new findings.

Whilst the presence of an established resident population cannot generally be assumed from a single species record, so long as the latter is both relatively recent and plausible ecologically this paper has accepted this to be so - pending new information to the contrary. An expert verification procedure is currently under development within GIGL, which may help to add clarity in this regard. Of course any list of this kind must essentially be viewed as a working document.

Overall the UK BAP review has added a great many new priority species to the national list, following lengthy consultation and a rigorous analysis of all UK native species' threatened status. The review has also de-classified a number of former priority species owing to more positive estimations of their status. This review of London BAP priority species has generally resisted removing species from the original list although updated opinion concerning several local extinctions has in fact made this appropriate (these are listed at the end of the table below).

The reference lists of Species of Conservation Concern in London (which include the priority species) have also been updated and are viewable as downloads on the London Biodiversity Partnership website. These remain as four taxonomically grouped spreadsheets, titled **Plants**, **Fungi**, **Vertebrates** and **Invertebrates**.

2. London BAP Priority Species

The new list of London BAP Priority Species is as follows;

| LONDON BAP PRI | ORITY SPECIES | UK BAP Priority | UK SCC | UK Red Data List | UK Scarce | London SAP current |
|------------------------------|---------------------------|-----------------|--------|------------------|-----------|--------------------|
| Vascular plants | | | | | | |
| Annual knawel | Scleranthus annuus | • | | • | | |
| Autumn squill | Scilla autumnalis | | | | • | |
| Basil thyme | Clinopodium acinos | • | | • | | |
| Black poplar | Populus nigra betulifolia | | | | | • |
| Borrer's saltmarsh-grass | Puccinellia fasciculata | • | | • | | |
| Chalk eyebright | Euphrasia pseudokerneri | • | | • | | |
| Chamomile | Chamaemelum nobile | • | | • | | |
| Copse-bindweed | Fallopia dumetorum | • | | • | | |
| Creeping marshwort | Apium repens | • | | • | | |
| Cut-grass | Leersia oryzoides | • | | • | | |
| Divided sedge | Carex divisa | • | | • | | |
| Dodder | Cuscuta epithymum | | | • | | |
| Dwarf milkwort | Polygala amarella | | | | | |
| Early gentian | Gentianella anglica | • | | | • | |
| Fine-leaved sandwort | Minuartia hybrida | • | | • | | |
| Fly orchid | Ophrys insectifera | • | | • | | |
| Greater yellow-rattle | Rhinanthus angustifolius | | • | • | | |
| Green-flowered helleborine | Epipactis phyllanthes | | | | • | |
| Juniper | Juniperus communis | • | | | | |
| Lesser calamint | Clinopodium calamintha | | | • | | |
| Man orchid | Aceras anthropophorum | • | | • | | |
| Marsh sow-thistle | Sonchus palustris | | | | • | |
| Mistletoe | Viscum album | | | | | • |
| Mudwort | Limosella aquatica | | | | • | |
| Narrow-fruited cornsalad | Valerianella dentata | | • | • | | |
| Narrow-leaved bitter-cress | Cardamine impatiens | | | • | | |
| Narrow-leaved water-dropwort | Oenanthe silaifolia | | | • | | |
| Pennyroyal | Mentha pulegium | • | | • | | |
| River water-dropwort | Oenanthe fluviatilis | | • | | | |
| Round-leaved wintergreen | Pyrola rotundifolium | | | • | | |
| Slender bedstraw | Galium pumilum | • | | • | | |
| Tower mustard | Arabis glabra | • | | • | | • |
| Wall bedstraw | Galium parisiense | | | • | | |
| White helleborine | Cephalanthera damasonium | • | | • | | |
| Yellow bird's-nest | Monotropa hypopitys | • | | • | | |
| <u> </u> | | | | | | |

| Lower plants | | | | | |
|-------------------------------------|---------------------------|---|---|--|--|
| Veilwort (a liverwort) | Pallavicinia lyellii | • | • | | |
| Fungi | | | | | |
| Bear cockleshell | Lentinellus ursinus | | • | | |
| Crimson bolete | Rubinoboletus rubinus | | • | | |
| Golden-gilled bolete | Phylloporus rhodoxanthus | • | • | | |
| Hedgehog fungus | Hericium erinaceum | • | • | | |
| Nail fungus | Poronia punctata | • | • | | |
| Oak polypore | Piptoporus quercinus | • | • | | |
| Olive earthtongue | Microglossum olivaceum | • | • | | |
| Pink waxcap | Hygrocybe calyptriformis | | • | | |
| Tiered tooth | Hericium cirrhatum | | • | | |
| tooth fungi (grouped) | Hydnellum, Phellodon spp. | • | • | | |
| Zoned rosette | Podoscypha multizonata | | • | | |
| Invertebrates | | | | | |
| Brown hairstreak (butterfly) | Thecla betulae | • | | • | |
| Chalkhill blue (butterfly) | Lysandra coridon | | | | |
| Dark green fritillary (butterfly) | Argynnis aglaja | | | | |
| Dingy skipper (butterfly) | Erynnis tages | • | | | |
| Grayling (butterfly) | Hipparchia semele | • | | | |
| Grizzled skipper (butterfly) | Pyrgus malvae | • | | | |
| Heath fritillary (butterfly) | Melicta athalia | • | • | | |
| Small blue (butterfly) | Cupido minimus | • | | | |
| Small heath (butterfly) | Coenonympha pamphilus | • | | | |
| Wall (butterfly) | Lasiommata megera | • | | | |
| White admiral (butterfly) | Ladoga camilla | • | | | |
| White-letter hairstreak (butterfly) | Strymonidia w-album | • | | • | |
| August thorn (moth) | Ennomos quercinaria | • | | | |
| Autumnal rustic (moth) | Eugnorisma glareosa | • | | | |
| Balsam carpet (moth) | Xanthorhoe biriviata | | • | | |
| Beaded chestnut (moth) | Agrochola lychnidis | • | | | |
| Blood-vein (moth) | Timandra comae | • | | | |
| Brindled beauty (moth) | Lycia hirtaria | • | | | |
| Broom moth | Melanchra pisi | • | | | |
| Broom-tip (moth) | Chesius rufata | • | | | |
| Brown-spot pinion (moth) | Agrochola litura | • | | | |
| Buff ermine (moth) | Spilosoma luteum | • | | | |
| Centre-barred sallow (moth) | Atethmia centrago | • | | | |
| Cinnabar (moth) | Tyria jacobaeae | • | | | |
| Crescent (moth) | Celaena leucostigma | • | | | |
| Dark spinach (moth) | Pelurga comitata | • | | | |
| Dark-barred twin-spot carpet (moth) | Xanthorhoe ferrugata | • | | | |
| Deep-brown dart (moth) | Aporophyla lutulenta | • | | | |
| Dot moth | Melanchra persicariae | • | | | |
| Double dart (moth) | Graphiphora augur | • | | | |
| Double line (moth) | Mythimna turca | | | • | |
| Dusky brocade (moth) | Apamea remissa | • | | | |
| Dusky thorn (moth) | Ennomos fuscantaria | | | | |

| Ear moth Amphipoea oculea Feathered gothic (moth) Tholera decimalis Figure-of-eight (moth) Diloba caerleocephala Flounced chestnut (moth) Agrochola helvola Forester (moth) Epirnhoe gallata Garden dart (moth) Epirnhoe gallata Garden diger (moth) Actal caja Ghost moth Cossus cossus Grass rivulet (moth) Perizoma albulata Green-brindled crescent (moth) Alophyes oxyacanthae Green-brindled crescent (moth) Aronicla psi Grey dagger (moth) Acronicla psi Heath rustic (moth) Xostia agathina Floura cespitis Floura (moth) Malocosoma neustria Lackey (moth) Malocosoma neustria Lackey (moth) Apamea anceps Latticed heath (moth) Brachylomia wininalls Minor shoulder-knot (moth) Brachylomia wininalls Mottled rustic (moth) Caradrina morpheus Mullein wave (moth) Drepana binaria Oak hook-tip (moth) Drepana binaria Oak hook-tip (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Mesoligia literosa Rosy rustic (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hydraecia micacea Sallow (moth) Scoppleryx chenopodiata Sallow (moth) Hemistola chrysoprasaria Small emerald (moth) Diarsia rubi Spinach (moth) Chesias legatella V-moth Macaria wavaria Flourance (moth) Chesias legatella V-moth Macaria wavaria Flourance (moth) Scoppersyx chenopodiata Flourance (moth) Chesias legatella Flourance (moth) Chesias legatella Flourance (moth) Spinach (moth) Spinach (moth) Spinach (moth) Ecliptopera silaceata Flourance (moth) Chesias legatella Flourance (moth) Spinach (mot | Dusky-lemon sallow (moth) | Xanthia gilvago | | |
|--|---------------------------------|--------------------------|-----|---|
| Feathered gothic (moth) Figure-of-eight (moth) Figure-of-eight (moth) Forester (moth) Agrochola helvola Forester (moth) Adscita statices Adscita stat | | | | |
| Figure-of-eight (moth) Diloba caerleocephala ● | | | • | |
| Flounced chestnut (moth) | • , , | | • | |
| Forester (moth) | <u> </u> | · · | • | |
| Galium carpet (moth) | , , | _ | • | • |
| Garden dart (moth) | , | | • | |
| Garden tiger (moth) Ghost moth Hepialus humuli Goat moth Cossus cossus Grass rivulet (moth) Perizoma albulata Green-brindled crescent (moth) Allophyes oxyacanthae Grey dagger (moth) Headh rustic (moth) Alophyes oxyacanthae Grey dagger (moth) Headh rustic (moth) Acronicta psi Headh rustic (moth) Acronicta rumicis Lackey (moth) Apamea anceps Latticed heath (moth) Chiasmia clathrata Minor shoulder-knot (moth) Brachylomia viminalis Mullein wave (moth) Caradrina morpheus Mouse moth Amphipyra tragopoginis Mullein wave (moth) Oak hook-tip (moth) Drepana binaria Oak lutestring (moth) Cymatophorima diluta Powdered quaker (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Anthia procellata Rosy rustic (moth) Anthia procellata Rosy rustic (moth) Anthia procellata Rosy rustic (moth) Asteroscopus phinx Sallow (moth) Sallow (moth) Ennomos erosaria Shaded broad-bar (moth) Ennomos erosaria Shaded broad-bar (moth) Ennomos erosaria Shaded broad-bar (moth) Ennomos erosaria Shall emerald (moth) Ennomos erosaria Shall emerald (moth) Ennomos erosaria Small emerald (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth White ermine (moth) Resore emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | , | | • | |
| Ghost moth Goat moth Cossus cossus Grass rivulet (moth) Perizoma albulata Green-brindled crescent (moth) Allophyes oxyacanthae Grey dagger (moth) Heath rustic (moth) Hedge rustic (moth) Acronicta psi Heath rustic (moth) Hedge rustic (moth) Acronicta rumicis Hedge rustic (moth) Acronicta rumicis Incomplete rum | , | | • | |
| Grass rivulet (moth) | | - | • | |
| Grass rivulet (moth) | Goat moth | | • • | • |
| Green-brindled crescent (moth) Grey dagger (moth) Acronicta psi Heath rustic (moth) Xestia agathina Hedge rustic (moth) Acronicta rumicis Not grass (moth) Acronicta rumicis Acronicta psi Acron | | Perizoma albulata | • | |
| Grey dagger (moth) | , , | Allophyes oxyacanthae | • | |
| Heath rustic (moth) Hedge rustic (moth) Tholera cespitis Not grass (moth) Acronicta rumicis Lackey (moth) Alaccosoma neustria Large nutmeg (moth) Apamea anceps Latticed heath (moth) Malaccosoma neustria Large nutmeg (moth) Apamea anceps Latticed heath (moth) Chiasmia clathrata Minor shoulder-knot (moth) Brachylomia viminalis Mottled rustic (moth) Caradrina morpheus Mouse moth Amphipyra tragopoginis Mullein wave (moth) Scopula marginepunctata Oak hook-tip (moth) Drepana binaria Oak utestring (moth) Powdered quaker (moth) Pretty chalk carpet (moth) Mesoligia literosa Rosy minor (moth) Hydraecia micacea Rustic (moth) Hydraecia micacea Sallow (moth) Sallow (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Ecliptopera silaceata Small square-spot (moth) Brandi phoenix (moth) Eulithis mellinata Sprawler (moth) Star-wort (moth) Asteroscopus sphinx Star-wort (moth) Spilosoma lubricipeda Nemerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis Petta dametria Acronicta rumicis Malacosoma neustria Caradrina sensitia Caradrina gauthrata Caradrina lesterita Caradrina dametria Caradrina dametria Caradrina dametria Caradrina dametria Caradrina dametria Caradrina lesterita Caradrina lesterita Caradrina lesterita Caradrinalis Caradrina lesterita Caradrinalis Caradrinalis Caradrina lesterita Caradrinalis Caradrinalis Caradrina lesterita Caradrinalis Caradrinal | . , | | • | |
| Hedge rustic (moth) | | - | • | |
| Knot grass (moth) Acronicta rumicis ● ■ Lackey (moth) Malacosoma neustria ● ■ Latticed heath (moth) Apamea anceps ● ■ Minor shoulder-knot (moth) Brachylomia viminalis ● ■ Mottled rustic (moth) Caradrina morpheus ● ■ Mouse moth Amphipyra tragopoginis ● ■ Mullein wave (moth) Scopula marginepunctata ● ■ Oak hook-tip (moth) Drepana binaria ● ■ Oak hook-tip (moth) Drepana binaria ● ■ Oak lutestring (moth) Cymatophorima diluta ● ■ Powdered quaker (moth) Orthosia gracilis ● ■ Pretty chalk carpet (moth) Melanthia procellata ● ■ Rosy minor (moth) Mesoligia literosa ● ■ Rosy minor (moth) Mesoligia literosa ● ■ Rosy minor (moth) Hydraecia micacea ● ■ Rustic (moth) Hydraecia micacea ● ■ Rustic (moth) Ennomos erosaria ● <td>, ,</td> <td></td> <td>•</td> <td></td> | , , | | • | |
| Lackey (moth) Large nutmeg (moth) Apamea anceps Apamea anceps Minor shoulder-knot (moth) Brachylomia viminalis Mottled rustic (moth) Amphipyra tragopoginis Mullein wave (moth) Caradrina morpheus Mouse moth Amphipyra tragopoginis Mullein wave (moth) Caradrina morpheus Mouse moth Amphipyra tragopoginis Mullein wave (moth) Cscopula marginepunctata Cak hook-tip (moth) Drepana binaria Cymatophorima diluta Double lutestring (moth) Powdered quaker (moth) Pretty chalk carpet (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Sallow (moth) Sallow (moth) Santhia icteritia September thorn (moth) Scotopteryx chenopodiata Shaded broad-bar (moth) Shaded broad-bar (moth) Shaded broad-bar (moth) Bhaded broad-bar (moth) Scotopteryx chenopodiata Shall emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Star-wort (moth) Star-wort (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | , , | Acronicta rumicis | • | |
| Large nutmeg (moth) Latticed heath (moth) Chiasmia clathrata Minor shoulder-knot (moth) Brachylomia viminalis Mottled rustic (moth) Caradrina morpheus Mullein wave (moth) Mesoligia literosa Mesoligia | | Malacosoma neustria | • | |
| Latticed heath (moth) Minor shoulder-knot (moth) Moutled rustic (moth) Mouse moth Mullein wave (moth) Caradrina morpheus Mullein wave (moth) Caradrina morpheus Mullein wave (moth) Caradrina morpheus Mullein wave (moth) Scopula marginepunctata Oak hook-tip (moth) Drepana binaria Oak lutestring (moth) Cymatophorima diluta Oak lutestring (moth) Powdered quaker (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Naustic (moth) Hoplodrina blanda Sallow (moth) September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Diarsia rubi Spinach (moth) Strawort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Whote emine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nempehora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | <u> </u> | Apamea anceps | • | |
| Mottled rustic (moth) Caradrina morpheus Mouse moth Amphipyra tragopoginis Mullein wave (moth) Scopula marginepunctata Oak hook-tip (moth) Drepana binaria Oak lutestring (moth) Cymatophorima diluta Powdered quaker (moth) Orthosia gracilis Pretty chalk carpet (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Xanthia icteritia September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Nemophora fasciella V-moth | · , | | • | |
| Mouse moth Amphipyra tragopoginis Mullein wave (moth) Scopula marginepunctata Oak hook-tip (moth) Drepana binaria Oak lutestring (moth) Cymatophorima diluta Powdered quaker (moth) Orthosia gracilis Pretty chalk carpet (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Xanthia icteritia September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small emerald (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Nemophora fasciella Horehound long-horn (micromoth) Nemophora fasciella | Minor shoulder-knot (moth) | Brachylomia viminalis | • | |
| Mullein wave (moth) Scopula marginepunctata Oak hook-tip (moth) Drepana binaria Oak lutestring (moth) Powdered quaker (moth) Rosy minor (moth) Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Scotopteryx chenopodiata Shaded broad-bar (moth) Famil emerald (moth) Small square-spot (moth) Eliptopera silaceata Small square-spot (moth) Eulithis mellinata Strawort (moth) Cucullia asteris Streak (moth) Chesias legatella White ermine (moth) Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Mottled rustic (moth) | Caradrina morpheus | • | |
| Oak hook-tip (moth) Oak lutestring (moth) Powdered quaker (moth) Pretty chalk carpet (moth) Rosy minor (moth) Rosy rustic (moth) Ballow (moth) Cymatophorima diluta Rosy rustic (moth) Mesoligia literosa Rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Sallow (moth) Scotopteryx chenopodiata Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Diarsia rubi Spinach (moth) Scraver (moth) Cucullia asteris Streak (moth) Chesias legatella White ermine (moth) Rosy mand blanda Diarsia rubi Strawort (moth) Chesias legatella White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Cardinal click beetle Ampedus cardinalis | Mouse moth | Amphipyra tragopoginis | • | |
| Oak lutestring (moth) Cymatophorima diluta Powdered quaker (moth) Orthosia gracilis Pretty chalk carpet (moth) Melanthia procellata Rosy minor (moth) Mesoligia literosa Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Xanthia icteritia September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Mullein wave (moth) | Scopula marginepunctata | • | |
| Powdered quaker (moth) Pretty chalk carpet (moth) Rosy minor (moth) Rosy rustic (moth) Rosy rustic (moth) Rustic (moth) Authia icteritia September thorn (moth) Scotopteryx chenopodiata Shaded broad-bar (moth) Small emerald (moth) Ennomos erosaria Small phoenix (moth) Enlithis mellinata Spinach (moth) Spinach (moth) Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella White ermine (moth) Scarce emerald damselfly Lestes dryas Meanicala ilterosa Mesoligia literosa Mythimacea Mythimacea Mythimacea Mythimaceama Mythimaceama Mythimaceama Memophora fasciella Mesoligia literosa Memophora fasciella Mesoligia Mesoligia Mesoligia Mesoligia literosa Mesoligia | Oak hook-tip (moth) | Drepana binaria | • | |
| Pretty chalk carpet (moth) Rosy minor (moth) Rosy rustic (moth) Rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Feliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella White ermine (moth) Rosy minor (moth) Meanthia procellata Mydriancaea Mydriancaea Mythimna comma Eliptopera silaceata Mythimna comma Cucullia asteris Spinach (moth) Cucullia asteris Streak (moth) Chesias legatella White ermine (moth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Oak lutestring (moth) | Cymatophorima diluta | • | |
| Rosy minor (moth) Rosy rustic (moth) Hydraecia micacea Rustic (moth) Hoplodrina blanda Sallow (moth) September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Cucullia asteris Star-wort (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Resoligia literosa Mydharacea Diarsia micacea Mydhimna comma Diarsia rubi Cucullia sateria Diarsia rubi Spinach (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Powdered quaker (moth) | Orthosia gracilis | • | |
| Rosy rustic (moth) Rustic (moth) Hoplodrina blanda Sallow (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Feliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Rustic (moth) Ampedus cardinalis Hoplodrina blanda Mathicateritia Ennomos erosaria Mythimna comma Mythimna comma Diarsia rubi Eulithisna ellinata Cucullia asteris Mathicateritia Macaria wauaria Macaria wauaria White ermine (moth) Nemophora fasciella Ampedus cardinalis | Pretty chalk carpet (moth) | Melanthia procellata | • | |
| Rustic (moth) Sallow (moth) Xanthia icteritia September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Rosy minor (moth) | Mesoligia literosa | • | |
| Sallow (moth) September thorn (moth) Ennomos erosaria Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small square-spot (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Rosy rustic (moth) | Hydraecia micacea | • | |
| September thorn (moth) Shaded broad-bar (moth) Shoulder-striped wainscot Small emerald (moth) Small phoenix (moth) Small square-spot (moth) Spinach (moth) Sprawler (moth) Star-wort (moth) Streak (moth) Chesias legatella V-moth White ermine (moth) September thorn (moth) Ennomos erosaria Mythimna comma Mythimna comma Ecliptopera silaceata Ecliptopera silaceata Ecliptopera silaceata Silaceata Ecliptopera silaceata | Rustic (moth) | Hoplodrina blanda | • | |
| Shaded broad-bar (moth) Scotopteryx chenopodiata Shoulder-striped wainscot Mythimna comma Small emerald (moth) Hemistola chrysoprasaria Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Sallow (moth) | Xanthia icteritia | • | |
| Shoulder-striped wainscot Small emerald (moth) Hemistola chrysoprasaria Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly a cardinal click beetle Ampedus cardinalis | September thorn (moth) | Ennomos erosaria | • | |
| Small emerald (moth) Hemistola chrysoprasaria Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Shaded broad-bar (moth) | Scotopteryx chenopodiata | • | |
| Small phoenix (moth) Ecliptopera silaceata Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Shoulder-striped wainscot | Mythimna comma | • | |
| Small square-spot (moth) Diarsia rubi Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Small emerald (moth) | Hemistola chrysoprasaria | • | |
| Spinach (moth) Eulithis mellinata Sprawler (moth) Asteroscopus sphinx Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly Lestes dryas a cardinal click beetle Ampedus cardinalis | Small phoenix (moth) | Ecliptopera silaceata | • | |
| Sprawler (moth) Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Scarce emerald damselfly a cardinal click beetle Ampedus cardinalis | Small square-spot (moth) | Diarsia rubi | • | |
| Star-wort (moth) Cucullia asteris Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly a cardinal click beetle Ampedus cardinalis | Spinach (moth) | Eulithis mellinata | • | |
| Streak (moth) Chesias legatella V-moth Macaria wauaria White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Nemophora fasciella Scarce emerald damselfly a cardinal click beetle Ampedus cardinalis | Sprawler (moth) | Asteroscopus sphinx | • | |
| V-moth Macaria wauaria ● White ermine (moth) Spilosoma lubricipeda ● Horehound long-horn (micromoth) Nemophora fasciella ● Scarce emerald damselfly Lestes dryas ● a cardinal click beetle Ampedus cardinalis ● | Star-wort (moth) | Cucullia asteris | • | • |
| White ermine (moth) Spilosoma lubricipeda Horehound long-horn (micromoth) Scarce emerald damselfly a cardinal click beetle Spilosoma lubricipeda Lestes dryas Ampedus cardinalis | Streak (moth) | Chesias legatella | • | |
| Horehound long-horn (micromoth) Nemophora fasciella ● ● Scarce emerald damselfly Lestes dryas ● ● a cardinal click beetle Ampedus cardinalis ● ● | V-moth | Macaria wauaria | • | |
| Scarce emerald damselfly a cardinal click beetle Lestes dryas Ampedus cardinalis • • • • • • • • • • • • • • • • • • | White ermine (moth) | Spilosoma lubricipeda | • | |
| a cardinal click beetle Ampedus cardinalis | Horehound long-horn (micromoth) | Nemophora fasciella | • | • |
| , , , , , , , , , , , , , , , , , , , | Scarce emerald damselfly | Lestes dryas | • | • |
| a false click beetle Eucnemis capucina | a cardinal click beetle | Ampedus cardinalis | • | • |
| | a false click beetle | Eucnemis capucina | • | • |

| a wood-boring weevil | Dryophthorus corticalis | | | • | | |
|--|---|---|---|-----|----------|---|
| a click beetle | Elater ferrugineus | | | | | |
| a ground beetle | Calosoma inquisitor | | | | | |
| Poplar leaf-rolling weevil | Byctiscus populi | | | | | |
| Violet oil-beetle | Meloe violaceus | | | | | |
| Streaked bombardier beetle | Brachinus sclopeta | • | | • | <u> </u> | |
| Saltmarsh shortspur (beetle) | Anisodactylus poeciloides | | | • | | |
| Stag beetle | Lucanus cervus | | | | | |
| Brown-banded carder bee | Bombus humilis | • | | | <u> </u> | • |
| Long-horned mining bee | Eucera longicornis | • | | | | |
| Sea-aster Colletes (bee) | Colletes halophilus | | | | | |
| Shrill carder bee | Bombus sylvarum | | | | | |
| Five-banded tailed digger wasp | Cerceris quinquefasciata | | | | | |
| Black-backed meadow ant | Formica pratensis | | | | | |
| Southern wood-ant | Formica rufa | | | | | |
| Southern yellow splinter (a cranefly) | Lipsothrix nervosa | | | | | |
| Hornet robber-fly | Asilus crabroniformis | | | | | |
| Phoenix (a picture-winged) fly | Dorycera graminum | | | | | |
| Duffey's bell-head spider | Baryphyma duffeyi | | | | | |
| Serrated tongue-spider | Centromerus serratus | | | • | | |
| | | • | | | • | |
| a spider | Ero aphana | | • | • | | |
| Depressed river mussel Desmoulin's whorl-snail | Pseudanodonta complanata | • | | | • | |
| | Vertigo moulinsiana | • | | | • | |
| German hairy snail | Perforatella rubiginosa | | | • | | |
| Little whirlpool ram's-horn snail | Anisus vorticulus | • | | • | | |
| Swollen spire snail | Pseudamnicola confusa | • | | • | | |
| Thames/two-lipped door snail | Laciniaria biplicata | | | Red | Am | |
| Birds | | | | Keu | ber | |
| Bittern | Botaurus stellata | | | | | |
| Black redstart | Botaarao otomata | • | | • | | |
| | Phoenicurus ochrurus | • | • | • | • | • |
| Bullfinch | | • | • | • | • | • |
| Bullfinch Corn bunting | Phoenicurus ochrurus | • | • | • | • | • |
| | Phoenicurus ochrurus Pyrrhula pyrrhula | • | • | • | • | • |
| Corn bunting | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra | • | • | • | • | • |
| Corn bunting Cuckoo | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia | • | • | • | • | |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus | • | | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing Lesser redpoll | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus Carduelis flammea | • | • | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing Lesser redpoll Lesser spotted woodpecker | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus Carduelis flammea Dendrocopos minor | • | | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing Lesser redpoll Lesser spotted woodpecker Linnet | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus Carduelis flammea Dendrocopos minor Carduelis cannabina | • | | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing Lesser redpoll Lesser spotted woodpecker Linnet Marsh tit | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus Carduelis flammea Dendrocopos minor Carduelis cannabina Parus palustris | • | | • | • | • |
| Corn bunting Cuckoo Dunnock Grasshopper warbler Grey partridge Hawfinch Herring gull House sparrow Lapwing Lesser redpoll Lesser spotted woodpecker Linnet Marsh tit Marsh warbler | Phoenicurus ochrurus Pyrrhula pyrrhula Miliaria calandra Cuculus canorus Prunella modularis Locustella naevia Perdix perdix Coccothraustes coccothraustes Larus argentatus Passer domesticus Vanellus vanellus Carduelis flammea Dendrocopos minor Carduelis cannabina Parus palustris Acrocephalus palustris | • | | • | • | • |

| Skylark | Alauda arvensis | • | | • | | |
|------------------------------|--|---|---|---|---|----|
| Song thrush | Turdus philomelos | • | | • | | |
| Spotted flycatcher | Muscicapa striata | • | | • | | |
| Starling | Sturnus vulgaris | • | | • | | |
| Tree pipit | Anthus trivialis | • | | • | | |
| Tree sparrow | Passer montanus | • | | • | | |
| Turtle dove | Streptopelia turtur | • | | • | | |
| Wood warbler | Phylloscopus sibilatrix | • | | | • | |
| Yellow wagtail | Motacilla flava | • | | | • | |
| Yellowhammer | Emberiza citrinella | • | | • | | |
| Reptiles, Amphibians, Mamma | ls & Fish | | | | - | |
| Adder | Vipera berus | • | | | | • |
| Common lizard | Lacerta vivipara | • | | | | • |
| Common toad | Bufo bufo | • | | | | |
| Grass snake | Natrix natrix | • | | | | • |
| Slow-worm | Anguis fragilis | • | | | | • |
| Great crested newt | Triturus cristatus | • | | | | |
| Brown hare | Lepus europaeus | • | | | | |
| Brown long-eared bat | Plecotus auritus | • | | | | • |
| Common dormouse | Muscardinus avellanarius | • | | | | |
| Common pipistrelle (bat) | Pipistrellus pipistrellus | | | | | • |
| Daubenton's bat | Myotis daubentoni | | • | | | • |
| Harvest mouse | Micromys minutus | • | | | | |
| Hedgehog | Erinaceus europaeus | • | | | | |
| Leisler's bat | Nyctalus leisleri | | • | | • | • |
| Nathusius' pipistrelle (bat) | Pipistrellus nathusii | | • | • | | • |
| Natterer's bat | Myotis nattereri | | • | | | • |
| Noctule (bat) | Nyctalus noctula | • | | | | • |
| Otter | Lutra lutra | • | | | | |
| Serotine (bat) | Eptesicus serotinus | | • | | • | • |
| Soprano pipistrelle (bat) | Pipistrellus pygmaeus | • | | | | • |
| Water vole | Arvicola terrestris | • | | | | • |
| Whiskered & Brandt's bats | Myotis mystacinus, M.brandtii | | • | | | • |
| Atlantic salmon | Salmo salar | • | | | | |
| European eel | Anguilla anguilla | • | | | | |
| River lamprey (fish) | Lampetra fluviatilis | • | | | | |
| Sea lamprey (fish) | Petromyzon marinus | • | | 1 | | |
| Smelt (fish) | Osmerus eperlanus | • | | 1 | | |
| Sea/Brown trout | Salmo trutta | • | | 1 | | |
| Twaite shad (fish) | Allosa phallax | | | 1 | | |
| | The state of the s | | 1 | 1 | | |
| Species removed from the Lon | don BAP Priority list; | | | | | |
| Buttoned snout (moth) | Hypena rostralis | | | | | |
| Four-spotted (moth) | Tyta luctuosa | • | | • | | e. |
| Pale shining brown (moth) | Polia bombycina | • | | 1 | | e. |
| Toadflax brocade (moth) | Calophasia lunula | | | | | |
| ` , | • | | | | | |

= reviewed status

e. = extinct

3. References

- 1. Biodiversity Reporting and Information Group (July 2007), *Report on the Species & Habitat Review* (Report to the UK Biodiversity Partnership)
- 2. Cheffings CM & Farrell L (Eds.), 2005. The Vascular Plant Red Data List for Great Britain. JNCC
- 3. Greater London Authority, 2005. London Biodiversity Action Plan Species of Conservation Concern and Priority Species for action. London Biodiversity Partnership
- 4. Plant C W, 1993. Larger Moths of the London Area. LNHS
- 5. RSPB. The Population Status of Birds in the UK. Birds of conservation concern: 2002-2007
- 6. RSPB. State of the UK's Birds 2006
- 7. Shirt D B (Ed.), 1987. Red Data Books 2: Insects.
- 8. UK BAP website http://www.ukbap.org.uk/
- 9. London BAP website http://www.lbp.org.uk/