

Notable invertebrates associated with lowland calcareous grassland

Snails and slugs (Mollusca)

<i>Monacha cartusiana</i>	RDB 3
<i>Helicella itala</i>	
<i>Pupilla muscorum</i>	Local & declining in some areas/extinct in others
<i>Abida secale</i>	Nb

Spiders and allies (Arachnida: Araneae and Pseudoscorpiones)

<i>Gonatium paradoxum</i>	RDB2
<i>Hahnia microphthalma</i>	RDBK
<i>Pelecopsis radiculicola</i>	RDB3
<i>Pseudomaro aenigmaticus</i>	RDBK
<i>Tapinocyboides pygmaeus</i>	RDB3
<i>Tegenaria picta</i>	RDBK
<i>Theridion pinastri</i>	RDBK
<i>Typhochrestus simoni</i>	RDB2
<i>Aelurillus v-insignitis</i>	Nb
<i>Bianor auROCinctus</i>	Na
<i>Centromerus incilium</i>	Nb
<i>Centromerus serratus</i>	Nb
<i>Drassyllus praeficus</i>	Nb
<i>Gnaphosa lugubris</i>	Na
<i>Hybocoptus decollatus</i>	Nb
<i>Hypsosinga sanguinea</i>	Nb
<i>Maso gallicus</i>	Na
<i>Meioneta simplicitarsis</i>	Na
<i>Micaria romana</i>	Nb
<i>Mioxena blanda</i>	Nb
<i>Myrmarachne formicaria</i>	Nb
<i>Nerienne furtive</i>	Nb
<i>Ozyptila blackwalli</i>	Nb
<i>Ozyptila nigrita</i>	Nb
<i>Phaeocedus braccatus</i>	Nb
<i>Scotina palliardi</i>	Na
<i>Syedra gracilis</i>	Nb
<i>Trachyzelotes pedestris</i>	Nb
<i>Trichoncus saxicola</i>	Nb
<i>Trochosa robusta</i>	Nb
<i>Walckenaeria incisa</i>	Nb
<i>Wiehlea calcarifera</i>	Na
<i>Xerolycosa nemoralis</i>	Nb
<i>Xysticus acerbus</i>	Na
<i>Xysticus robustus</i>	Na
<i>Zelotes petrensis</i>	Na

Millipedes (Diplopoda)

<i>Polydesmus testaceus</i>	Nb
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Centipedes (Chilopoda)

<i>Lithobius muticus</i>	Nb
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Woodlice (Isopoda)

<i>Trichoniscoides helveticus</i>	Nb
Grasshoppers, crickets, earwigs and cockroaches (Orthoptera/Dermaptera/Dictyoptera)	
<i>Decticus verrucivorus</i>	BAP Priority RDB2
<i>Gryllus campestris</i>	BAP Priority RDB1
<i>Gomphocerippus rufus</i>	Nb
<i>Ectobius lapponicus</i>	Nb
<i>Ectobius pallidus</i>	Nb
<i>Ectobius panzeri</i>	Nb
<i>Stenobothrus lineatus</i>	Should be considered as worthy of conservation effort
True bugs (Hemiptera)	
Heteroptera	
<i>Eremocoris fenestratus</i>	RDB1
<i>Ischnodema quadratus</i>	RDB1
<i>Macroplox preyssler</i>	RDB3
<i>Hallodepus montandoni</i>	RDB3
<i>Placochilus seladonicus</i>	RDBK
<i>Sehirus impressus =dubius</i>	Nb (pRDB3)
<i>Eurygaster maura</i>	Nb (pRDB2)
<i>Sciocoris cursitans</i>	Nb
<i>Bathysolen nubilus</i>	Nb
<i>Drymus latus</i>	Nb
<i>Drymus pilicornis</i>	Nb
<i>Drymus pilipes</i>	Na
<i>Drymus pumilio</i>	Nb
<i>Graptopeltus lynceus</i>	Nb
<i>Heterogaster artemisiae</i>	Nb
<i>Lasiosomus enervis</i>	Nb
<i>Megalonotus antennatus</i>	Nb
<i>Megalonotus praetextatus</i>	Nb
<i>Raglius alboacuminatus</i>	Nb
<i>Taphropeltus hamulatus</i>	Nb
<i>Tropistethus holosericeus</i>	Nb
<i>Berytinus hirticornis</i>	Nb
<i>Catoplatus fabricii</i>	Nb
<i>Tingus reticulata</i>	Nb
<i>Dichrooscytus gustavii</i>	Nb
<i>Systellonotus triguttatus</i>	Nb
<i>Thyreocoris scarabaeoides</i>	Local
<i>Eremocoris podagricus</i>	Local
<i>Berytinus signoreti</i>	Local
<i>Kalama tricornis</i>	Local
<i>Hallodapus rufescens</i>	Local
<i>Strongylocoris leucocephalus</i>	Local
Leafhoppers, planthoppers, froghoppers, treehoppers & cicadas (Auchenorrhyncha)	
<i>Euscelis venosus</i>	RDBK
<i>Eurysa douglasi</i>	Na
<i>Ribautodelphax imitans</i>	Na
<i>Ribautodelphax pungens</i>	Nb
<i>Tettigometra impressopunctata</i>	Nb
<i>Ulopa trivialis</i>	Nb
Flies (Diptera)	

Snail-killing flies, picture-wing flies, grass flies and allies (Acalyptrata)

<i>Chlorops fasciatus</i>	(Chloropidae)	RDBI
<i>Chyliza extenuatum</i>	(Psilidae)	RDB3
<i>Geomyza breviseta</i>	(Opomyzidae)	RDBI
<i>Myopites inulaedyssentericae</i>	(Tephritidae)	RDB3
<i>Nostima semialata</i>	(Ephydridae)	RDBI
<i>Paroxyna lhommei</i>	(Tephritidae)	RDB
<i>Pherbellia knutsoni</i>	(Sciomyzidae)	RDB3 [Breck calcareous grassland]
<i>Terellia vectensis</i>	(Tephritidae)	RDB3
<i>Trachysiphonella pygmaea</i>	(Chloropidae)	RDBI
<i>Urophora solstitialis</i>	(Tephritidae)	RDB3
<i>Urophora spoliata</i>	(Tephritidae)	RDB3
<i>Chlorops adjunctus</i>	(Chloropidae)	N
<i>Chlorops laetus</i>	(Chloropidae)	N
<i>Chlorops rufinus</i>	(Chloropidae)	N
<i>Dicraeus tibialis</i>	(Chloropidae)	N
<i>Epichlorops puncticollis</i>	(Chloropidae)	N
<i>Geomyza subnigra</i>	(Opomyzidae)	N
<i>Geomyza venusta</i>	(Opomyzidae)	N
<i>Oscinimorpha arcuata</i>	(Chloropidae)	N
<i>Oscinimorpha sordidissima</i>	(Chloropidae)	N
<i>Trachysiphonella ruficeps</i>	(Chloropidae)	N
<i>Urophora cuspidata</i>	(Tephritidae)	N

Soldier flies, bee flies, robber flies & allies (Larger Brachycera)

<i>Asilus crabroniformis</i>	BAP Priority
<i>Bombylius discolor</i>	BAP Priority
<i>Villa cingulata</i>	RDB1
<i>Leptarthus vitripennis</i>	[status not known]
<i>Machimus rusticus</i>	RDB2
<i>Tabanus glaucopis</i>	RDB3
<i>Rhagio annulatus</i>	RDB3
<i>Rhagio strigosus</i>	RDB3
<i>Bombylius canescens</i>	N
<i>Ogcodes gibbosus</i>	N
<i>Ogcodes pallipes</i>	N
<i>Symphoromyia immaculata</i>	N

Hoverflies (Syrphidae)

<i>Doros profuges</i>	BAP Priority RDB2
<i>Microdon devius</i>	RDB2
<i>Cheilosia psilophthalma</i>	Status not known
<i>Chrysotoxum elegans</i>	RDB3
<i>Cheilosia barbata</i>	N [woodland species]
<i>Cheilosia cynocephala</i>	N
<i>Cheilosia nigripes</i>	N
<i>Cheilosia soror</i>	N
<i>Cheilosia velutina</i>	N
<i>Pipizella maculipennis</i> has been taken in Breck Chalk heath at Elveden	

Craneflies (Tipulidae)

<i>Limonia masoni</i>	RDB
<i>Dicranomyia sericata</i>	
<i>Limonia nigropunctata</i>	

Blowflies, dung flies, flesh flies and allies (Calypttrata)

<i>Blaesoxipha erythrura</i>	(Sarcophagidae)	RDB3
<i>Blaesoxipha rossica</i>	(Sarcophagidae)	RDB3
<i>Blaesoxipha gladiatrix</i>	(Sarcophagidae)	N
<i>Sarcophaga arcipes</i>	(Sarcophagidae)	N
<i>Paralleloma vittatum</i>	(Scathophagidae)	N
<i>Bithia modesta</i>	(Tachinidae)	RDB2
<i>Brachicheta strigata</i>	(Tachinidae)	RDB3
<i>Cistogaster globosa</i>	(Tachinidae)	RDB1
<i>Clemelis pullata</i>	(Tachinidae)	RDB1
<i>Gonia capitata</i>	(Tachinidae)	RDB2
<i>Gymnosoma nitens</i>	(Tachinidae)	RDB1
<i>Gymnosoma rotundatum</i>	(Tachinidae)	RDB3
<i>Drino lota</i>	(Tachinidae)	N
<i>Lophosia fasciata</i>	(Tachinidae)	N
<i>Zophomyia temulans</i>	(Tachinidae)	N
<i>Helina concolor</i>	(Muscidae)	RDB3
<i>Eggisops pecchiollii</i>	(Calliphoridae)	N

In addition to the species listed here, a number of ungraded calcicolous calypterates occur that seem to have the bulk of their British population on chalk or limestone grasslands. These include *Aplomya confinis*, *Delina nigrita*, *Eurychaeta palpalis*, *Fausta nemorum*, *Gonia picea*, *Neaera laticornis*, *Sarcophaga depressifrons*, *S. filia*, *S. setipennis* and *Botanophila helviana*. Some of these may require adding to the Notable category as their distributions become better understood. Several tachinid species recently added to the British list have now been recorded on Sussex chalk downland, namely *Blepharipha schineri*, *Catharosia pygmaea* and *Sturmia bella*, and a new British *Macronychia* has been identified during this same ongoing study.

Beetles (Coleoptera)

Ground beetles (Carabidae)

<i>Ophonus stictus</i>	BAP Priority	RDB1
<i>Ophonus cordatus</i>	BAP Priority	RDB3
<i>Ophonus parallelus</i>	BAP Priority	RDB3
<i>Harpalus dimidiatus</i>	BAP Priority	Na
<i>Ophonus laticollis</i>	Species Statement	Na
<i>Callistus lunatus</i>		RDB1
<i>Ophonus puncticollis</i>		RDB3
<i>Ophonus sabulicola</i>		
<i>Amara equestris</i>		Nb
<i>Amara praetermissa</i>		Nb
<i>Brachinus crepitans</i>		Nb
<i>Licinus depressus</i>		Nb
<i>Ophonus arduusiacus</i>		Nb
<i>Ophonus azureus</i>		Nb
<i>Ophonus rupicola</i>		Nb
<i>Ophonus schaubergerianus</i>		Nb
<i>Panagaeus bipustulatus</i>		Nb

Leaf beetles (Chrysomelidae)

<i>Cryptocephalus coryli</i>	BAP Priority	RDB 1
<i>Cryptocephalus nitidulus</i>	BAP Priority	RDB 1
<i>Cryptocephalus primarius</i>	BAP Priority	RDB 1
<i>Ochrosis ventralis</i>		RDB 3
<i>Psylliodes hyoscyami</i>		RDB 1
<i>Aphthona nigriceps</i>		Na

<i>Apteropeda globosa</i>	Nb
<i>Cassida prasina</i>	Nb
<i>Chrysolina oricalcia</i>	Nb
<i>Chrysolina violacea</i>	Nb
<i>Cryptocephalus aureolus</i>	Nb
<i>Cryptocephalus bilineatus</i>	Nb
<i>Longitarsus anchusae</i>	Nb
<i>Longitarsus ballotae</i>	Nb
<i>Longitarsus curtus</i>	Na
<i>Longitarsus dorsalis</i>	Nb
<i>Longitarsus ganglbaueri</i>	Na
<i>Longitarsus lycopi</i>	Nb
<i>Longitarsus nasturtii</i>	Nb
<i>Longitarsus nigrofasciatus</i>	Na
<i>Longitarsus ochroleucus</i>	Nb
<i>Longitarsus quadriguttatus</i>	Na
<i>Longitarsus tabidus</i>	Nb
<i>Pilemostoma fastuosa</i>	Na
<i>Psylliodes chalcomera</i>	Nb

Weevils (Curculionoidea)

<i>[Cathormiocerus britannicus]</i>	Priority]
<i>Cleopomiarus micros</i>	RDB3
<i>Cleopomiarus plantarum</i>	RDB IK
<i>Smicronyx reichii</i>	RDB3
<i>Tychius polylineatus</i>	RDB IK
<i>Tychius quinquepunctatus</i>	RDB2
<i>Ceutorhynchus hepaticus</i>	RDB IK
<i>Ceutorhynchus syrites</i>	RDB IK
<i>Ceutorhynchus unguicularis</i>	RDB3
<i>Glocianus moelleri</i>	RDB3
<i>Otiorhynchus ligustici</i>	RDB2
<i>Barypeithes pyrenaeus</i>	RDB Ind
<i>Brachysomus hirtus</i>	RDB3
<i>Cathormiocerus attaphilus</i>	RDB1 [coastal]
<i>Cathormiocerus myrmecophilus</i>	RDB3 [coastal]
<i>Cathormiocerus socius</i>	RDB2 [coastal]
<i>Hypera diversipunctata</i>	RDB3
<i>Hypera pastinacae</i>	RDB1
<i>Leiosoma troglodytes</i>	RDB2
<i>Anchondidium unguiculare</i>	RDB3 [also occurs in acid woodland]
<i>Diplapion stolidum</i>	Nb
<i>Squamapion cineraceum</i>	Na
<i>Squamapion flavimanum</i>	Na
<i>Hemitrichapion reflexum</i>	Na
<i>Catapion curtisi</i>	Na
<i>Catapion pubescens</i>	Nb
<i>Stenopterapion intermedium</i>	Na
<i>Protapion filirostre</i>	Nb
<i>Protapion laevicolle</i>	Na
<i>Protapion schoenherri</i>	Na
<i>Protapion varipes</i>	Nb
<i>Cionus nigrirarsis</i>	Na
<i>Cleopomiaris graminis</i>	Nb
<i>Gymnetron melanarium</i>	Nb

<i>Mecinus circulator</i>	Nb
<i>Pseudorchestes pratensis</i>	Nb
<i>Tychius lineatulus</i>	Na
<i>Tychius schneideri</i>	Nb
<i>Tychius squamulatus</i>	Nb
<i>Baris laticollis</i>	Na
<i>Calosirus terminatus</i>	Nb
<i>Ceutorhynchus constrictus</i>	Nb
<i>Ceutorhynchus resedae</i>	Nb
<i>Hadroplontus trimaculatus</i>	Nb
<i>Microplontus campestris</i>	Nb
<i>Microplontus triangulum</i>	Nb
<i>Mogulones euphorbiae</i>	Na
<i>Trichosirocalus barnvillei</i>	Nb
<i>Trichosirocalus horridus</i>	Na
<i>Trichosirocalus rufulus</i>	Na
<i>Zaclarus exiguus</i>	Nb
<i>Otiorhynchus raucus</i>	Nb
<i>Brachysomus echinatus</i>	Nb
<i>Sitona macularius</i>	Nb
<i>Sitona ononidis</i>	Nb
<i>Sitona waterhousei</i>	Nb
<i>Trachyphloeus alternans</i>	Nb
<i>Trachyphloeus aristatus</i>	Nb
<i>Trachyphloeus asperatus</i>	Nb
<i>Trachyphloeus digitalis</i>	Na
<i>Trachyphloeus rectus</i>	Na
<i>Trachyphloeus spinimanus</i>	Nb
<i>Hypera meles</i>	Na
<i>Limobius borealis</i>	Na
<i>Larinus planus</i>	Nb
<i>Rhinocyllus conicus</i>	Na
<i>Hemitrichapion waltoni</i>	Local
<i>Miarus campanulae</i>	Local
<i>Tychius junceus</i>	Local
<i>Tychius stephensi</i>	Local

Many of these RDB and Notable weevil species are associated with maritime grasslands and disturbed calcareous communities as well as calcareous grassland in a restricted sense. As all species are phytophagous, the presence of host plants is necessary, though not sufficient, for their conservation.

Rove beetles and allies (Staphylinidae/Scydmaenidae/Silphidae)

<i>Euconnus denticornis</i>	RDBI
<i>Neuraphes carinatus</i>	RDBI
<i>Stenichnus poweri</i>	RDBK
<i>Anotylus fairmairei</i>	RDBK
<i>Stenus asphaltinus</i>	RDBI
<i>Medon castaneus</i>	RDBI
<i>Medon fuscus</i>	RDBI
<i>Dacryla pruinosa</i>	RDBI
<i>Atheta testaceipes</i>	RDBK
<i>Aleuonota aurantiacus</i>	RDBI
<i>Tychobythinus glabratus</i>	RDBI
<i>Claviger longicornis</i>	RDB1

<i>Aclypea opaca</i>	Na
<i>Stenichnus pusillus</i>	N
<i>Anotylus hamatus</i>	N
<i>Anotylus insecatus</i>	N
<i>Anotylus saulcyi</i>	N
<i>Stenus fuscicornis</i>	Nb
<i>Medon apicalis</i>	N
<i>Astenus immaculatus</i>	N
<i>Platydacus latebricola</i>	Nb
<i>Staphylinus nero</i>	Na
<i>Staphylinus pedator</i>	Na
<i>Alaobia scapularis</i>	N
<i>Oxypoda lurida</i>	N
<i>Claviger testaceus</i>	N
<i>Platystethus capito</i>	Local
<i>Stenus aceris</i>	Local
<i>Stenus ochropus</i>	Local
<i>Stenus subaeneus</i>	Local
<i>Medon brunneus</i>	Local
Dung beetles and chafers (Scarabaeidae)	
<i>Aphodius quadrimaculatus</i>	RDB1
<i>Aphodius subterraneus</i>	RDB1
<i>Copris lunaris</i>	RDB1
<i>Aphodius consputus</i>	RDB3
<i>Aphodius distinctus</i>	Nb
<i>Aphodius putridus</i>	Nb
<i>Euheptaulacus villosus</i>	Na
<i>Amphimallon ochraceus</i>	Na
<i>Aphodius paykulli</i>	Nb
<i>Aphodius porcus</i>	Nb
<i>Aphodius sordidus</i>	Na
<i>Omaloplia ruricola</i>	Nb
Click beetles (Elateridae)	
<i>Adrastus rachifer</i>	RDB3
Jewel beetles (Buprestidae)	
<i>Agrilus sinuatus</i>	Na
<i>Aphanisticus pusillus</i>	Nb
<i>Trachys scrobiculatus</i>	Na
Earth-boring dung beetles (Geotrupidae)	
<i>Odontaeus armiger</i>	Na
Ants, bees and wasps (Hymenoptera: Aculeata)	
<i>Chrysis gracillima</i>	RBD2
<i>Chrysis viridula</i>	Scarce
<i>Cleptes nitidulus</i>	RDB3, Na, Rare
<i>Tiphia femorata</i>	Scarce
<i>Monosapyga clavicornis</i>	Nb, Scarce
<i>Myrmica hirsuta</i>	RDB3, Very rare
<i>Myrmica schrencki</i>	Nr, Rare
<i>Priocnemis agilis</i>	Nb, Scarce
<i>Priocnemis coriacea</i>	Na, Rare

<i>Priocnemis hyalinata</i>	Nb, Scarce
<i>Arachnospila minutula</i>	Nb, Scarce
<i>Aporus unicolor</i>	Na, Rare
<i>Crossocerus exiguus</i>	RDB3
<i>Ectemnius borealis</i>	RDB3
<i>Hylaeus cornutus</i>	RDB3, Na, Scarce
<i>Hylaeus signatus</i>	Nb, Scarce
<i>Andrena lathyri</i>	BAP Priority
<i>Andrena alfkenella</i>	RDB3
<i>Andrena proxima</i>	RDB3
<i>Andrena simillima</i>	RDB3, RDB2
<i>Andrena bucephala</i>	RDB3, Na, Rare
<i>Andrena falsifica</i>	RDB3, Na, Rare
<i>Andrena fulvago</i>	RDB3, Na, Rare
<i>Andrena hattorfiana</i>	RDB2, RDB3, Scarce
<i>Andrena marginata</i>	Na, Scarce
<i>Andrena minutuloides</i>	Na, Rare
<i>Andrena nitidiuscula</i>	RDB3, Scarce
<i>Andrena tibialis</i>	RDB3, Na, Scarce
<i>Andrena trimmerana</i>	Nb, Scarce
<i>Andrena varians</i>	Nb, Scarce
<i>Halictus eurygnathus</i>	RDB+
<i>Lasioglossum pauperatum</i>	RDB3
<i>Lasioglossum quadrinotatum</i>	Na, Rare
<i>Lasioglossum xanthropus</i>	Nb, Scarce
<i>Sphecodes niger</i>	RDB3
<i>Sphecodes spinulosus</i>	RDB3, RDB2
<i>Sphecodes crassus</i>	Nb, Scarce
<i>Sphecodes ferruginatus</i>	Nb, Scarce
<i>Sphecodes miniatus</i>	Nb, Scarce
<i>Melitta dimidiata</i>	RDB1
<i>Melitta haemorrhoidalis</i>	Scarce
<i>Melitta tricincta</i>	Nb, Scarce
<i>Stelis ornatula</i>	RDB3, Rare
<i>Heriades truncorum</i>	RDB3, Very rare
<i>Nomada armata</i>	BAP Priority
<i>Nomada ferruginata</i>	BAP Priority
<i>Nomada hirtipes</i>	RDB3
<i>Nomada signata</i>	RDB3, RDB2
<i>Nomada argentata</i>	pRDB3, Rare
<i>Nomada flavopicta</i>	Nb, Scarce
<i>Osmia bicolor</i>	Nb, Scarce
<i>Coelioxys quadridentata</i>	RDB3
<i>Ceratina cyanea</i>	RDB3, Rare
<i>Bombus humilis</i>	BAP Priority
<i>Bombus ruderatus</i>	BAP Priority
<i>Bombus sylvarum</i>	BAP Priority