

Mollusca: Gastropoda & Bivalvia (Non-marine)

A. NUMBER OF SPECIES IN UK: 212

B. NUMBER OF SPECIES IN SCOTLAND: 147

C. EXPERT CONTACTS

Please contact scotland@buglife.org.uk for details.

D. SPECIES OF CONSERVATION CONCERN

Listed species

Omphiscola glabra UKBAP

Local species in Central Scotland. Generally declining and threatened by drainage of its habitats.

Truncatellina cylindrica UKBAP

Very local species of short calcareous grassland, currently known only from one site in Fife. Threatened by land management changes.

Vertigo angustior UKBAP

Very local in Scotland, found in the south-west and Kincardineshire. It is threatened by changes in land use.

Vertigo modesta UKBAP

An arctic-alpine species restricted to calcareous flushes, threatened by potential visitor pressure and climate change.

Vertigo genesii UKBAP

An arctic-alpine species found on north-facing limestone on mountains, threatened by potential visitor pressure and climate change.

Vertigo geyeri UKBAP

An arctic-alpine species restricted to calcareous flushes, threatened by potential visitor pressure and climate change.

Margaritifera margaritifera UKBAP

The freshwater pearl mussel, which has declined seriously in most places, and has been threatened by over-fishing.

Scottish Biodiversity List

Theodoxus fluviatilis

In Scotland at only one site on Orkney.

Ecrobia ventrosa

Very local in Scotland.

Succinea oblonga

Declining species in central and south-western Scotland, found in flood debris in south-west and calcareous woodland in Clyde Valley. It is likely to be affected by changes in land management.

Azeca goodalli

Scarce and very local in Scotland.

Cecilioides acicula

Very local, currently known only from a single site in Edinburgh.

Monacha cantiana

Very local in the east of Scotland. Introduced to Britain.

Cochlodina laminata

Known only from a small area in Perthshire.

Candidula gigaxii

Known only from a single area in Scotland, in East Lothian.

Vertigo alpestris

Very local arctic-alpine species, potentially threatened by climate change.

Oxychilus navarricus helveticus

Very local in Scotland.

Anodonta cygnea

Very local in southern Scotland.

Pisidium conventus

An arctic relict species, known only from high-altitude tarns. Potentially threatened by climate change.

Other species

Leiostyla anglica

A 'near endemic' in Great Britain.

Ashfordia granulata

A 'near endemic' in Great Britain.

Vertigo lilljeborgi

An arctic-alpine species, threatened by potential visitor pressure and climate change.

- Source: i) Bratton JH. 1990. A review of the scarcer Ephemeroptera and Plecoptera of Great Britain. Nature Conservancy Council, Peterborough, UK. Research & survey in Nature Conservation no. 29:1-39.
- ii) <http://www.ukbap.org.uk/NewPriorityList.aspx>
- iii) Kerney, M.P. and Cameron, R.A.D. 1979. A Field Guide to the Land Snails of Britain and North-west Europe. Collins. 288pp.

- iv) Willing, M. 2007. The non-marine BAP priority species review – a progress report. Mollusc World, no.13, p 26.
v) The Scottish Biodiversity List (<http://www.biodiversity.scotland.gov.uk>)
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E. LIST OF SPECIES KNOWN FROM SCOTLAND

GASTROPODA

Neritidae

Theodoxus fluviatilis

Aciculidae

Acicula fusca

Bithyniidae

Bithynia tentaculata

Bithynia leachii

Hydrobiidae

Hydrobia acuta neglecta

Peringia ulvae

Potamopyrgus antipodarum

Ecrobia ventrosa

Valvatidae

Valvata piscinalis

Valvata cristata

Acroloxidae

Acroloxus lacustris

Agriolimacidae

Deroceras agreste

Deroceras leae

Deroceras panormitanum

Deroceras reticulatum

Arionidae

Arion ater

Arion flagellus

Arion cf. rufus

Arion vulgaris

Arion subfuscus

Arion circumscriptus

Arion fasciatus

Arion silvaticus

Arion distinctus

Arion hortensis

Arion intermedius

Arion owenii

Azecidae

Azeca goodalli

Boettgerillidae

Boettgerilla pallens

Carychiidae

Carychium minimum
Carychium tridentatum

Clausiliidae

Balea perversa
Balea heydeni
Clausilia bidentata
Cochlodina laminata

Cochlicellidae

Cochlicella acuta
Cochlicella barbara

Cochlicopidae

Cochlicopa cf. lubrica
Cochlicopa cf. lubricella

Discidae

Discus rotundatus

Ellobiidae

Leucophytia bidentata
Myosotella myosotis

Enidae

Merdigera obscura

Euconulidae

Euconulus cf. alderi
Euconulus cf. fulvus

Ferussaciidae

Cecilioides acicula

Gastrodontidae

Zonitoides nitidus
Zonitoides excavatus

Helicidae

Arianta arbustorum
Cepaea nemoralis
Cepaea hortensis
Cornu aspersum

Hygromiidae

Ashfordia granulata
Candidula gigaxii
Candidula intersecta
Cernuella virgata

Helicella itala
Hygromia cinctella
Monacha cantiana
Trochulus hispidus
Trochulus striolatus
Zenobiella subrufescens

Lauriidae

Lauria cylindracea
Leiostyla anglica

Limacidae

Lehmannia marginata
Lehmannia valentiana
Limacus flavus
Limacus maculatus
Limax cinereoniger
Limax maximus
Malacolimax tenellus

Lymnaeidae

Galba truncatula
Lymnaea stagnalis
Lymnaea palustris
Omphiscola glabra
Radix auricularia
Radix balthica

Milacidae

Milax gagates
Tandonia budapestensis
Tandonia sowerbyi

Oxychilidae

Aegopinella pura
Aegopinella nitidula
Nesovitrea hammonis
Oxychilus alliarius
Oxychilus cellarius
Oxychilus draparnaudi
Oxychilus navarricus helveticus

Physidae

Aplexa hypnorum
Physa fontinalis
Physella acuta

Planorbidae

Ancylus fluviatilis
Anisus leucostoma
Anisus spirorbis
Anisus vortex
Bathyomphalus contortus
Gyraulus crista
Gyraulus albus
Gyraulus laevis
Hippeutis complanatus

Planorbarius corneus
Planorbis planorbis
Planorbis carinatus

Pristilomatidae

Vitrea contracta
Vitrea crystallina

Punctidae

Punctum pygmaeum

Pupillidae

Pupilla muscorum

Pyramidulidae

Pyramidula pusilla

Succineidae

Oxyloma elegans
Succinea putris
Succinea oblonga

Valloniidae

Acanthinula aculeata
Spermodea lamellata
Vallonia costata
Vallonia cf. excentrica
Vallonia pulchella

Vertiginidae

Columella aspera
Columella edentula
Truncatellina cylindrica
Vertigo alpestris
Vertigo antivertigo
Vertigo genesii
Vertigo geyeri
Vertigo lilljeborgi
Vertigo modesta
Vertigo pusilla
Vertigo pygmaea
Vertigo substriata
Vertigo angustior

Vitrinidae

Vitrina pellucida

BIVALVIA

Margaritiferidae

Margaritifera margaritifera

Unionidae

Anodonta anatina
Anodonta cygnea

Dreissenidae

Dreissena polymorpha

Sphaeriidae

Musculium lacustre
Pisidium amnicum
Pisidium casertanum
Pisidium conventus
Pisidium henslowanum
Pisidium hibernicum
Pisidium lilljeborgii
Pisidium milium
Pisidium nitidum
Pisidium obtusale
Pisidium personatum
Pisidium pulchellum
Pisidium subtruncatum
Sphaerium corneum

F. DISTRIBUTION DATA

- i) Data collated by the Conchological Society's Non-marine Recording Scheme is available on the NBN Gateway.
 - ii) Kerney, M. 1999. *Atlas of the Land and Freshwater Molluscs of Britain and Ireland*. Harley Books.
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G. IDENTIFICATION GUIDES

- i) Kerney, M.P. and Cameron, R.A.D. 1979. *A Field Guide to the Land Snails of Britain and North-west Europe*. Collins.
 - ii) Cameron, R.A.D. 2003. *Keys for the identification of Land Snails in the British Isles*. Field Studies Council.
 - iii) Killeen, I., Aldridge, D and Oliver, G. 2004. *Freshwater Bivalves of Britain and Ireland*. Field Studies Council.
 - iv) Macan, T.T. 1977. *A key to the British Fresh- and Brackish-water Gastropods (4th edition)*. Freshwater Biological Association.
 - v) Glöer, P. 2002. *Die Süßwassergastropoden Nord- und Mitteleuropas*. Conch Books.
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H. OTHER INFORMATION

- a) The nomenclature of British non-marine molluscs has recently been revised (Anderson, R. 2005: An annotated list of the non-marine mollusc of Britain and Ireland. *Journal of Conchology* 38 607-637; see also Sumner, A.T. 2007: Old snails, new names: a guide to the new names for British non-marine molluscs. *Mollusc World* 13 12-14.
- b) There is no up-to-date taxonomic key to slugs; published field guides do not describe recently recognised segregates of certain species.
- c) There is no up-to-date key to freshwater gastropods in English.
- d) The Conchological Society of Great Britain and Ireland (www.conchsoc.org) runs a non-marine mollusc recording scheme, and holds indoor and field meetings and workshops.

This document should be referenced as:

Sumner, A.T. 2010. *Scottish Invertebrate Species Knowledge Dossier: Mollusca: Gastropoda & Bivalvia (Non-marine)*. Buglife – The Invertebrate Conservation Trust.

This document provides information on species known to occur in Scotland at the time of publication. This document does not provide a definitive list of species occurring in Scotland. The list of species known to occur in Scotland may change as further information is gathered.

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