

Plecoptera (Stoneflies)

A. NUMBER OF SPECIES IN UK: 33

B. NUMBER OF SPECIES IN SCOTLAND: 29

C. EXPERT CONTACTS

Please contact scotland@buglife.org.uk for details

D. SPECIES OF CONSERVATION CONCERN

Listed species

Brachyptera putata pRDBE and pRDB?ⁱ, UKBAPⁱⁱ

Found in many river catchments in the north of Scotland. Historically also found in the River Clyde. Extensive survey work has been undertaken through the Action for Invertebrates project.

Other species

Capnia vidua anglica

A scarce endemic subspecies restricted to high altitude streams.ⁱⁱⁱ

Protonemura montana

Known from a few high altitude streams in Scotland. Possibly under-recorded.ⁱⁱⁱ

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) D.Pryce, pers. comm.

E. LIST OF SPECIES KNOWN FROM SCOTLAND

(* indicates species that are restricted to Scotland in UK context)

Taeniopterygidae

Taeniopteryx nebulosa britannica
*Brachyptera putata**
Brachyptera risi

Capniidae

*Capnia atra**
Capnia bifrons
Capnia vidua anglica

Leuctridae

Euleuctra geniculata
Leuctra fusca
Leuctra inermis
Leuctra hippopus
Leuctra moselyi
Leuctra nigra

Nemouridae

Amphinemura standfussi
Amphinemura sulcicollis
Nemurella picteti
Nemoura avicularis
Nemoura cambrica
Nemoura cinerea
Nemoura erratica
Protonemura montana
Protonemura praecox
Protonemura meyeri

Perlidae

Perla bipunctata
Dinocras cephalotes

Perlodidae

Isoperla grammatica
Perlodes microcephalus
Diura bicaudata

Chloroperlidae

Siphonoperla torrentium
Chloroperla tripunctata

F. DISTRIBUTION DATA

- i) Data collated by Plecoptera Recording Scheme is available on the NBN Gateway.
 - ii) SEPA collects and identifies larval Plecoptera as part of their routine water quality monitoring.
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G. IDENTIFICATION GUIDES

- i) Hynes, H.B.N. 1977. *A Key to the adults and nymphs of British Stoneflies (Plecoptera)*. *Scientific Publications of the Freshwater Biological Association* 17. Freshwater Biological Association.
- ii) Pryce, D., Brooks, S. and Macadam, C. 2007. *Guide to British Stonefly (Plecoptera) families: adults and larvae*. Field Studies Council.

H. OTHER INFORMATION

- a) Current taxonomic key is unreliable in places.
- b) Majority of records are for larvae.
- c) Possibility of further species being presentⁱ.

Source: ⁱ M. Hammett, pers. comm.

This document should be referenced as:

Macadam, C. 2010. *Scottish Invertebrate Species Knowledge Dossier: Plecoptera (Stoneflies)*. 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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