



A mating pair. Photo courtesy of C. R. Parker

Plecoptera Species File

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The global and >95% complete Plecoptera Species File (PSF) is the most accurate source of names and associated data for stoneflies in the world. A resource like this is never "done" since there are always obscure old, and a constant source of new, literature that come to our attention.

The database is important to use by anyone who works with stonefly names. Editors of journals will find the use of this database indispensable for checking for the potential of homonyms and for checking completeness of synonymies, literature, and type information (incomplete, but improving). Those conducting revisions should consult this source along with the primary literature. The PSF also presents Taxonomic Working Group (TDWG) distributions at three different scales. These data are translated into shaded distribution maps for species, genera, and families. Textual information is often available for country, and especially in North America, states or provinces.

Currently, a query of "Statistics" in PSF (see table) finds 3623 valid species, with another 632 synonyms. Though these statistics are for extant taxa, a query may be run that adds another 228 fossil species. These taxa are supported by 2692 references that are used in 20035 citations.

Plecoptera Plecoptera Species File (Version 5.0/5.0)
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Search for

Species File

Statistics for Plecoptera:

Authors	887	
Publications	724	
References	2692	
Citations	20035	
Depositories	169	
Images	total: 78	unique taxa: 48
Sound recordings	total: 2	unique taxa: 2
End points in keys	total: 16	unique taxa: 16
Specimen records	total: 6824	unique taxa: 2255
Superfamilies	total: 11	valid: 5; not valid: 6
Families	total: 32	valid: 16; not valid: 16
Subfamilies	total: 31	valid: 21; not valid: 10
Tribes	total: 19	valid: 14; not valid: 5
Genera	total: 526	valid: 302; not valid: 224
Subgenera	total: 2	valid: 2; not valid: 0
Species	total: 4255	valid: 3623; not valid: 632
Subspecies	total: 133	valid: 96; not valid: 37
Names at all levels	total: 5009	valid: 4079; not valid: 930

Please note: These counts do not include synonyms seen only in the list of citations. The counts do include extinct and fossil taxa unless requested otherwise. Run this program to count

Show statistics for:
(any valid taxon at rank of genus or higher)

We are happy to receive pdf documents of peer reviewed articles that have not been added to PSF. You may also send high quality images, drumming recordings, and short video clips for inclusion in PSF. You will be appropriately credited.

Please cite PSF using the following format, changing the year, each new year:

DeWalt, R. E., M. D. Maehr, U. Neu-Becker and G. Stueber. 2017. Plecoptera Species File Online. Version 5.0/5.0. [retrieval date]. <http://Plecoptera.SpeciesFile.org>.

RECENT PLECOPTERA LITERATURE (CALENDAR YEAR 2016 AND EARLIER). Papers made available after 1 February 2017 will be included in the next issue. **If papers were missed, please bring these to the attention of the Managing Editor.** Drs. Bill P. Stark, J. M. Tierno de Figueroa, and Peter Zwick are thanked for reviewing and providing additions to this present list.

Alba Solans, M. and D. Garcia de Jalon. 2016. Basic tools for setting environmental flows at the regional scale: Application of the ELOHA framework in a Mediterranean basin. *Ecohydrology* 9(8):1517-1538.

Alexander, A.C., J.M. Culp, D.J. Baird and A.J. Cessna. 2016. Nutrient-insecticide interactions decouple density-dependent predation pressure in aquatic insects. *Freshwater Biology* 61(12):2090-2101.