TAXONOMY REFERENCE LIST

This invertebrate taxonomic reference list is arranged in prioritized format to reflect current applicability in Pennsylvania:

The primary listings within any taxonomic group, printed in bold-face type below, are the best or most applicable to our needs. With respect to Insecta, Merritt & Cummins - 3rd ed. is the most comprehensive listing for common PA taxa. Pecharsky, et al is the regional fauna key that is most applicable to PA but still may not include all PA taxa. However, since both texts are up-to-date, they can be used in conjunction with each other to provide the primary authority for Insecta as a group, unless otherwise indicated. The single Order texts (i.e. Edmunds, et al., Wiggins, Stewart and Stark) are subject to recent revisions and, therefore, would also be still relevant for their respective orders.

Secondary: The “secondary” listings are not as up-to-date or as applicable to Pennsylvania as the primary listing, but can be very important in supplying additional detailed figures, couplet wording variations, or other information useful for collaborating your taxonomic identifications.

Others: The “others” listings are less important for taxonomic identifications but are provided as additional sources of valuable or interesting information. The reasons they are listed in this column are because they: a) are very out-of-date, b) are regional keys, c) are not exclusively aquatic, or d) offer no more genus information than other references but may provide information for anyone interested in keys to species identifications.

Notice there are qualifying notes with some references.

INSECTA


Secondary:
Brigham, AR; WU Brigham; A Gnilka. 1982. Aquatic Insects and Oligochaetes of North and South Carolina. Midwest Aquatic Enterprises. Mahomet, IL.

Others:  

EPHEMEROPTERA

Merritt & Cummins and Pescharsky, et al. (See first 2 references under INSECTA page 1).


Secondary:  


Others:  


PLECOPTERA


Secondary:  


Others:  
Surdick, RF & KC Kim. 1976. Stoneflies (Plecoptera of Pennsylvania): A Synopsis. Penn State Univ. Agri. Exp. St. Bull. 808. 73 pp. (Caution - Some stonefly genera that have been collected in Pennsylvania are not included in this publication.)


TRICOPTERA

Merritt & Cummins and Pescharsky, et al. (See first 2 references under INSECTA page 1).


Others:

Hydropsychidae


Others:

Rhyacophila species

Weaver III, JS & JL Sykora. 1979. The Rhyacophila of Pennsylvania with Larval Descriptions of R. banksi and R. carpenteri (Trichoptera: Rhyacophilidae). Annal. Carnegie Museum. 48:403-423. (Note: Flint (1962) must be used in conjunction with this paper since it relies on some of Flint’s figures for complete characteristics.)
Secondary:

**DIPTERA**

**Merritt & Cummins and Pescharsky, et al.** (See first 2 references under INSECTA page 1).

**Others:**

**Chironomidae**

**Merritt & Cummins and Pescharsky, et al.**
Although the following references are regional in nature, they provide photograph figures of key characters for almost all the common genera found in Merritt & Cummins.

Secondary:


**Others:**
Mason, WT, Jr. 1973. An Introduction to the Identification of Chironomid Larvae. Nat. Environ. Res. Cent./EPA. Cincinnati, OH. 90 pp. Note: This key was developed from specimens found in the larger channel areas of the Ohio River system, and therefore does not include many new genera or genera that are more common to small stream systems.

Simuliidae


**COLEOPTERA**

**Merritt & Cummins and Pescharsky, et al.** (See first 2 references under INSECTA page 1).

Secondary:
Dryopoid Beetles Secondary:


**ANISOPTERA**

Merritt & Cummins and Pescharsky, et al. (See first 2 references under INSECTA page 1).


**OTHER INVERTEBRATES**


Bogan, AE. 1993. *Workshop on Freshwater Bivalves of Pennsylvania*. Unpublished. 80 pp. This document is Dr. Art Bogan’s mussel key that is periodically updated and “fine tuned” and has excellent color plates. It may be available from Dr. Bogan at the following address: North Carolina Museum of Natural History; PO Box 29555; Raleigh, NC; 27626-0555

Secondary:


**FISHES**


**Secondary:**


Other:


**PLANTS**


