

Macroinvertebrate Reference List

Ephemeral Pond Monitor Seminar

WEPP 2008

General Macroinvertebrate Sources

1. *Vernal Ponds* by Elizabeth A. Colburn. A good review of everything ephemeral pond and good chapters on plants and animals. Great stories
3. *A Guide to Common Freshwater Invertebrates of North America* by J. Reese Voshel, Jr. Good pictures and stories, by I am a little uneasy about some of the illustrations. Pretty good for an affordable paperback.
4. *Ecology and Classification of North American Freshwater Invertebrates* by James H. Thorpe and Alan P. Covich. Not for the timid, but good info for the experienced.

And don't forget those older general books – they usually have good drawings and stories. I find them very reliable. A couple of good examples are *Field Book of Ponds and Streams* by A.H. Morgan and *The New Field Book of Freshwater Life* by SuZan Noguchi Swain.

Macroinvertebrate Keys

1. *Fresh-Water Invertebrates of the United States* by Robert W. Pennak Good Keys and line drawings. I use the 1953 edition that is all in one volume. It is now out in 2 VERY EXPENSIVE but up-to-date volumes. Can get technical but lots of drawings.
2. *Taxonomic Keys to the common animals of the north central states.* By Samuel Eddy and A.C. Hudson. Old and out-of-print, but great if you can find one.
3. *Freshwater Macroinvertebrates of Northeastern North America* by Barbara Peckarsky, Pierre Frassainet, Marjory Penton, and Don Conklin, Jr. Can get technical but good line drawings.
4. *A guide to the study of Fresh-Water Biology* by James Needham and Paul Needham. Cheap, portable and doable, but will take some work.

Insect Keys

1. *Aquatic Entomology: The Fishermen's and Ecologist's Illustrated Guide to Insects and Their Relatives* by W. Patrick McCafferty. This guide is so easy! Get you to family without pain. The pain comes when you buy it. Even used copies are pricey. This is the text I use in class.
2. *Aquatic Insects of Wisconsin: Key to Wisconsin Genera and Notes on Biology, Distribution and Species* by William L. Hilsenhoff. This invaluable publication by UW-Madison is way too scarce – there needs to be another run. Bill Hilsenhoff is the god of Wisconsin aquatic entomology and his key even work! If you can find one, please will it to me.
3. *An Introduction to the Aquatic Insects of North America* edited by R.W. Merritt and K.W. Cummins. This is the bible on North American aquatic insects, but you need to have a good sense of insect anatomy and it covers all of North America, thereby increasing the possibility that you will key a critter to something that is only found in Alabama.

On-line Interactive Key

<http://www.entomology.umn.edu/midge/VSMIVP.htm>
www.bugguide.net