

References commonly used to identify crustacean zooplankton

The following sources provide excellent zooplankton identification keys and/or detailed diagrams of species. You may come across other useful papers as your work develops. Although Thorp and Covich (1991) provide good details on the ecology of species, their keys only go down to the genus level. Pennak (1989) also covers this aspect and the keys in the *Third edition* are more detailed, going down to the species level. Edmondson (1959), though a bit dated with respect to taxonomic changes, remains one of the most comprehensive keys for freshwater crustacean zooplankton.

Note that most keys only refer to females for the Cladocera. During most of the year, populations entirely consist of parthenogenetic females; hence males are usually quite rare (Pennak, 1989).

General:

Balcer, M.D., N.L. Korda and S.I. Dodson. 1984. Zooplankton of the Great Lakes: A guide to the identification and ecology of the common crustacean species. The University of Wisconsin Press. Madison, Wisconsin.

Pennak, R.W. 1989. Freshwater invertebrates of the United States. Third edition. John Wiley and Sons, Inc., New York.

Torke, B.G. 1974. An illustrated guide to the identification of the planktonic Crustacea of Lake Michigan with notes on their ecology. The University of Wisconsin Press. Milwaukee, Wisconsin. Special Report No. 17.

Cladocera:

Brandlova, J., Z. Brandl and C.H. Fernando. 1972. The Cladocera of Ontario with remarks on some species and distribution. Can. J. Zool. 50: 1373-1403.

Brooks, J.L. 1959. Cladocera. Pp. 587-656 in W.T. Edmondson (ed.). Freshwater Biology. Second Edition. John Wiley and Sons, Inc., New York.

Dodson, S.I. and D.G. Frey. 1991. Cladocera and other Branchiopoda. Pp. 723-786 in J.H. Thorp and A.P. Covich (eds.). Ecology and classification of North American freshwater invertebrates. Academic Press. San Diego.

Copepoda:

Dussart, B.H. and C.H. Fernando. 1990. Crustaceans copepodes de l'Ontario. University of Waterloo, Department of Biology.

Hudson, P.L., J.W. Reid, L.T. Lesko and J.H. Selgeby. 1998. Cyclopoid and harpacticoid copepods of the Laurentian Great Lakes. Ohio Biological Survey Bulletin NS 12(2). Columbus, Ohio.

Smith, K. and C.H. Fernando. 1978. A guide to the freshwater calanoid and cyclopoid copepod Crustacea of Ontario. University of Waterloo, Department of Biology. Ser. No. 18.

Williamson, C.E. 1991. Copepoda. Pp. 787-822 in J.H. Thorp and A.P. Covich (eds.). Ecology and classification of North American freshwater invertebrates. Academic Press.

San Diego.

Wilson, M.S. 1959. Calanoida. Pp. 738-795 in W.T. Edmondson (ed.). Freshwater Biology. Second Edition. John Wiley and Sons, Inc., New York.

Yeatman, H.C. 1959. Cyclopoida. Pp. 796-814 in W.T. Edmondson (ed.). Freshwater Biology. Second Edition. John Wiley and Sons, Inc., New York.

Daphniidae:

Brooks, J.L. 1957. The systematics of North American *Daphnia*. Mem. Conn. Acad. Arts & Sciences 13: 1-180.

Hebert, P.D.N. 1995. The *Daphnia* of North America – An Illustrated Fauna. CD-ROM. University of Guelph, Guelph.

Bosminidae:

De Melo, R. and P.D.N. Hebert. 1994. A taxonomic reevaluation of North American Bosminidae. Can. J. Zool. 72: 1808-1825.

Taylor, D. J., C.R. Ishikane and R.A. Haney. 2002. The systematics of Holarctic bosminids and a revision that reconciles molecular and morphological evolution. Limnol. Oceanogr. 47 (5): 1486-1495.