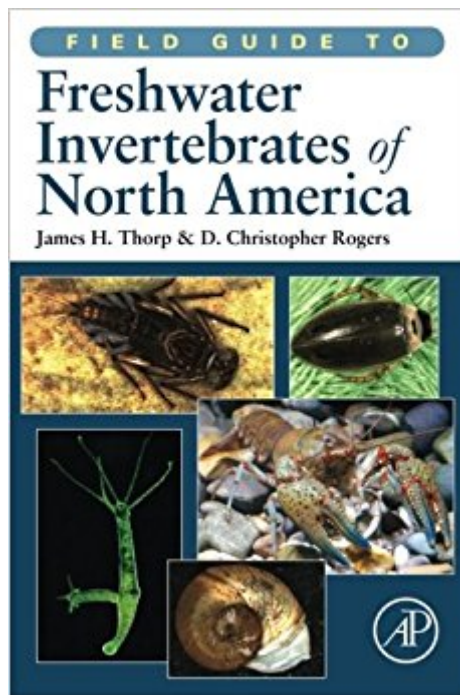




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# Field Guide To Freshwater Invertebrates Of North America (Field Guide To... (Academic Press))



## Synopsis

The Field Guide to Freshwater Invertebrates of North America focuses on freshwater invertebrates that can be identified using at most an inexpensive magnifying glass. This Guide will be useful for experienced nature enthusiasts, students doing aquatic field projects, and anglers looking for the best fish bait, lure, or fly. Color photographs and art, as well as the broad geographic coverage, set this guide apart. 362 color photographs and detailed descriptions aid in the identification of species. Introductory chapters instruct the reader on how to use the book, different inland water habitats and basic ecological relationships of freshwater invertebrates. Broad taxonomic coverage is more comprehensive than any guide currently available.

## Book Information

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## Customer Reviews

"IAN'S RECOMMENDATION: For anyone interested in the freshwater animals of North America."---The Guardian's Punctuated Equilibrium "The strength of this text lies in the narratives describing the form, function, ecology, and collection methods associated with each major group. Consequently, the book is more of a primer or an introduction to freshwater invertebrates, than a field guide. Summing Up: Recommended. Lower-division undergraduates and general readers."--Choice, September 2011, Vol. 49, No. 01

Dr. James H. Thorp has been a Professor in the Department of Ecology and Evolutionary Biology at the University of Kansas (Lawrence, KS, USA) and a Senior Scientist in the Kansas Biological

Survey since 2001. Prior to returning to his alma mater, Prof. Thorp was a Distinguished Professor and Dean at Clarkson University, Department Chair and Professor at the University of Louisville, Associate Professor and Director of the Calder Ecology Center of Fordham University, Visiting Associate Professor at Cornell, and Research Ecologist at the University of Georgia's Savannah River Ecology Laboratory. He received his Baccalaureate from the University of Kansas (KU) and both Masters and Ph.D. degrees from North Carolina State. Those degrees focused on zoology, ecology, and marine biology, with an emphasis on the ecology of freshwater and marine invertebrates. Dr. Thorp is currently on the editorial board of two journals (River Research and Applications and River Systems) and is a former President of the International Society for River Science. He teaches freshwater, marine, and general ecological courses at KU, and his Masters and doctoral graduate students work on various aspects of the ecology of organisms, communities, and ecosystems in rivers, reservoirs, and wetlands. Prof. Thorp's research interests and background are highly diverse and span the gamut from organismal biology to community, ecosystem, and macrosystem ecology. He works on both fundamental and applied research topics using descriptive, experimental, and modeling approaches in the field and lab. While his research emphasizes aquatic invertebrates, he also studies fish ecology, especially as related to food webs. He has published more than one hundred refereed journal articles, books, and chapters, including three single-volume editions of Ecology and Classification of North American Freshwater Invertebrates (edited by J.H. Thorp and A.P. Covich) and the first volume (Ecology and General Biology) in the current fourth edition. [c.rogers@ecoanalysts.com](mailto:c.rogers@ecoanalysts.com)

I really like the identification, photos, and additional information for the organisms included. I believe more organisms could have been added by removing some of the general information chapters about how to collect, general environments, and general ecological relationships. While this information is important, it is not particularly helpful in the field (this is advertised as a field guide). Additionally, I would never actually take this book into the field due to the type of paper used. I bought it for identification of organisms during fish stomach dissections (something that gets particularly messy); however, the light weight paper is already see-through enough, without getting anything on it. A field guide should be something that can withstand going into the field (or at least withstand a functioning ecology lab). While the guide is helpful, the final production of it is poor. This is why I only gave it three stars.

I like this book as it is more field guide on practical use can put in a knap sack and go in the field with

a hand lands. Not unlike some other books which are a ton and are about 2" thick and bulky. Easy to understand for beginner no real big long scientific names all over the place. Disadvantage- This book doesn't have not all the fresh water invertebrate but the majority if you want all of them then you get the 2" thick and bulky book and hope you get to understand all the very long words in the book.

This is for the most part a highly condensed selection from the author's larger work. Producing a field guide for aquatic invertebrates is a daunting task as the diversity of freshwater invertebrates is far too great to be able to produce a guide with the same utility as those produced for birds. This book should serve as a less expensive alternative to "Ecology and Classification of North American Freshwater Invertebrates" by Thorpe and Covich for those interested in, but unable or not yet sufficiently invested in the field to buy the larger, more complete, work. I prefer this book to Voshell and Wright's "A guide to common freshwater invertebrates of North America" as this book is broader in scope, but has about the same utility as a field guide.

It looks to be a very needed book on fresh water invertebrates. I especially like that it includes a dichotomous key for each group but the whole book is not the key! I'm just getting into the book but right off the illustrations, which are numerous, are too small in the eText and blur with very much magnification. That is disappointing. It's a small book in size so the eText could use better resolution pictures. Over all I can tell it will be a good resource though and it's priced about right.

This is quite an extensive study of the underwater bugs that feed trout and other fishes and if you are interested in learning more about them to decipher what trout eat and when these bugs are available, it's highly recommended.

Books on freshwater invertebrates, on the more academic level, are hard to find and generally very expensive. This book is done very well, nearly anyone can use it and it contains a great deal of useful information.

This book will help me as a docent, to help little kids identify invertebrates in local creeks around town. Very well formatted.

Excellent field companion to the book Ecology and Classification of N. Am. Freshwater Invertebrates.

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