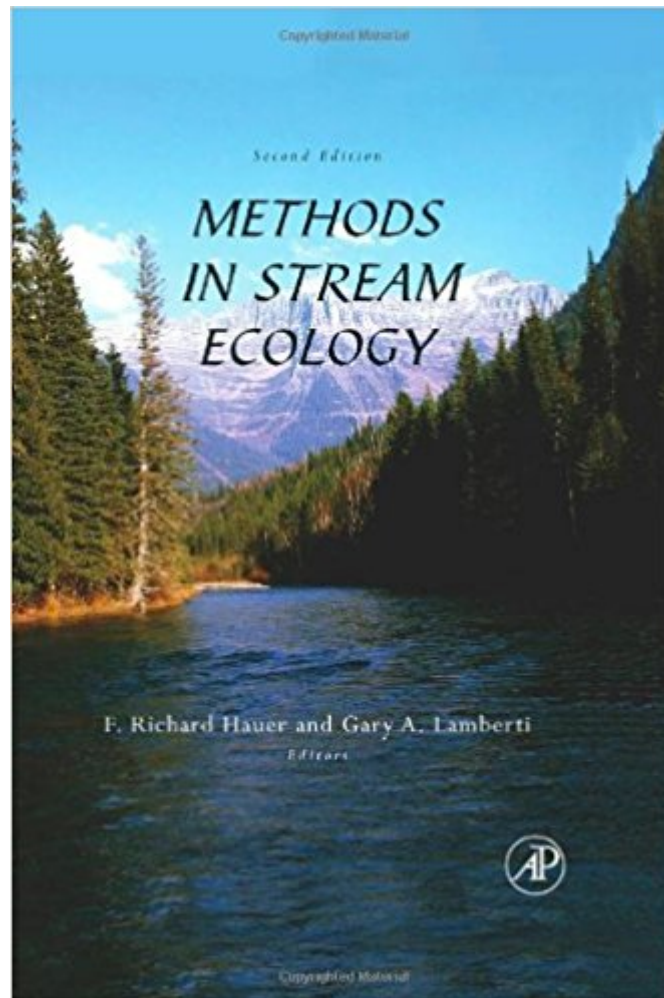


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# Methods In Stream Ecology, Second Edition



## Synopsis

Methods in Stream Ecology, Second Edition, provides a complete series of field and laboratory protocols in stream ecology that are ideal for teaching or conducting research. This updated edition reflects recent advances in the technology associated with ecological assessment of streams, including remote sensing. In addition, the relationship between stream flow and alluviation has been added, and a new chapter on riparian zones is also included. The book features exercises in each chapter; detailed instructions, illustrations, formulae, and data sheets for in-field research for students; and taxonomic keys to common stream invertebrates and algae. With a student-friendly price, this book is key for all students and researchers in stream and freshwater ecology, freshwater biology, marine ecology, and river ecology. This text is also supportive as a supplementary text for courses in watershed ecology/science, hydrology, fluvial geomorphology, and landscape ecology. Exercises in each chapter Detailed instructions, illustrations, formulae, and data sheets for in-field research for students Taxonomic keys to common stream invertebrates and algae Link from Chapter 22: FISH COMMUNITY COMPOSITION to an interactive program for assessing and modeling fish numbers

## Book Information

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## Customer Reviews

"This book is packed with the latest and best [how to](#) information for field and laboratory work in streams. The new edition has expanded content, a larger format, and much better graphics...The greatest content change is the addition of a 6th section entitled Ecosystem Quality.

Section 6 is anchored by a substantially rewritten chapter on Macroinvertebrates as Biotic Indicators of Environmental Quality. I like the way in which doable, detailed, stepwise exercises, including the math, are provided in a format appealing to students interested in conducting stream studies. I think that even an advanced high school student with access to this book should be able design an independent study project in stream ecology. I would really like to see it in high school libraries, as well as on college and university campuses. The greatest strength of this book is that it is written by leading authorities in stream ecology. The structure is better organized and more informative than the previous edition. The format is conducive to teaching and learning. I grade this book an 'A'. - Ben Stout, Wheeling Jesuit University, West Virginia, USA

This new edition is revised, updated and now features full-color!

It has great information! I constantly refer back to this book when setting up experiments out in the field, but like one other review said the binding sucks. Its been a month and I already have pages falling out of the book just from normal use. I couldn't take this book out to the field with me if i wanted to because I am afraid that I will lose more pages and this is super disappointing. If I could go back and re-buy I would get the hardback, spend the extra money maybe its better binded than the paper pack.

I'm currently a Ph.D. student with prior experience in aquatic ecology. Previously, most of my work has focused on lentic rather than lotic systems. After taking the usual stream ecology and hydrology courses I felt confident that I understood the basic concepts of ecology as they pertain to flowing water. However, when designing an experiment from scratch I needed a "crash course" in how to implement methodology. This book has been no disappointment on that front, and is a must have for anyone entering the field as a stream ecologist. In addition, I feel it would make a good supplemental text whereby students could perform some of the procedures outlined in the book for labs.

Great book, full of great information, but the binding is horrible. The book fell apart the second time I used it. Perhaps it was an isolated issue that occurred during manufacture or transport, but I was highly disappointed with the durability of this particular book.

After so many 'yawn' text books, this one is really useful. I'm teaching a lab in freshwater ecology.

There is a lot of material that is very useful. Any new methods your wanting to try out for research or monitoring, this book gives you an excellent introduction on what to do and how, including all the important info normally left out scientific literature (sourcing materials etc.).

I consider this book the best one I ever read about stream ecology assessment, with both strong theoretical bases and very useful/interesting field methods shown.I used this book for my own field work and for students. They loved it, as I did before.

Great book.

this a great book it cover so many topics and this is a great book for some one who just barely started to prospect for gold because then it would tell you exactly where to look for gold in the gravel beds this is A must book

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