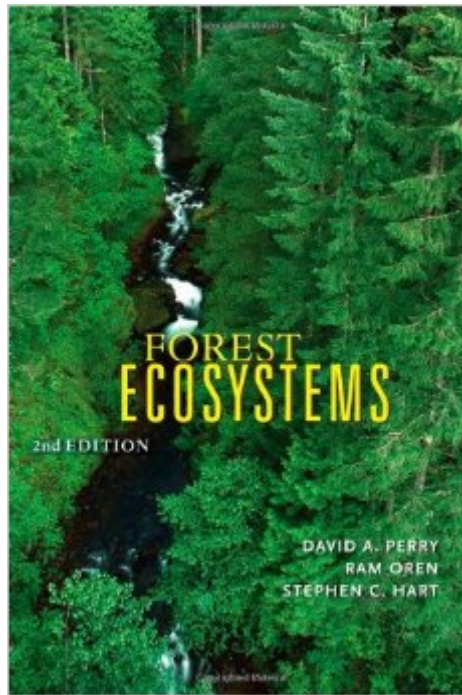


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# Forest Ecosystems



## Synopsis

This acclaimed textbook is the most comprehensive available in the field of forest ecology.

Designed for advanced students of forest science, ecology, and environmental studies, it is also an essential reference for forest ecologists, foresters, and land managers. The authors provide an inclusive survey of boreal, temperate, and tropical forests with an emphasis on ecological concepts across scales that range from global to landscape to microscopic. Situating forests in the context of larger landscapes, they reveal the complex patterns and processes observed in tree-dominated habitats. The updated and expanded second edition covers

- Conservation
- Ecosystem services
- Climate change
- Vegetation classification
- Disturbance
- Species interactions
- Self-thinning
- Genetics
- Soil influences
- Productivity
- Biogeochemical cycling
- Mineralization
- Effects of herbivory
- Ecosystem stability

## Book Information

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Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (10 customer reviews)

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## Customer Reviews

If you're looking for a detailed overview of how the forest ecosystem works, this is a great reference. Perry covers soil, nutrients, forest dynamics, etc. If you are new to the sciences, Perry does a good job of explaining key terms. This book is geared more towards science-minded people, but the material is broad enough for anyone interested in the forest.

I recently took a class in which this book was used as the primary text. I found it to be an outstanding and indispensable tool which will be an ongoing resource for years to come in my quest

for a working and applied knowledge of forest science. The authors systematically weave together the essential principles and concepts of empirical research informed by thoughtful integration of present environmental concerns, giving the reader a deep appreciation and awareness of the interconnected "web" of ecosystems, implications for sustainability, and the incredible vitality and vulnerability of planet earth. I was left with a greater sense of personal responsibility and awe, and am inspired to continue my quest to be a life-long student of earth sciences. Obvious mastery of content by it's authors; Perry, Hart and Oren, from detailed analysis to global implications, place the book on a level of importance for students and working scientists that will cause it to be pulled from the shelf for reference time and time again.

Perry, Oren and Hart have produced a smashing second edition Forest Ecosystem book. It is very well written and leads the reader from basic terminology into the forests of the world, climates and change over time. I especially enjoyed the chapters on disturbance in forest ecosystems as it relates to composition and structure. The chapter on biodiversity and how to maintain it -- is crucial. The book covers a number of other essential topics including genetics, soil, primary productivity, forest nutrition and nutrient cycling. I found the three case studies to be well laid-out and concisely explained. The last chapter of the book - The Future is exceptional. Forest Ecosystems is a MUST read for all foresters, resource managers and conservation biologists. It's a book that will live long and prosper on many book shelves. Well done! Dr Reese Halter, Global Forest Science.

I bought this book for a graduate class requirement in sustainable natural resources. Not only does the book explain and analyze basic ecological principles, but it applies them for the reader through a wide array of case studies. These case studies provide practical, field based lessons in resource management. A very thorough, informative, and useful research source.

Great book, but the intros are too lengthy (albeit interesting!) and some areas are patchy in explanation. Detail overall really is excellent. I would recommend this if you want a general knowledge of everything in the field.

Forest Ecosystems is a detailed and easy to read text discussing the many attributes of understanding the interconnectedness of ecosystems. An outstanding read for anyone interested in sustainability or preserving our natural environment (not just our forests). Highly recommended.

Book was in new condition, as described, shipped promptly. My 1st choice in forest ecosystem textbooks. The only downside is black and white graphics

It is the second edition of a book that, in my opinion, may figure as one of the three bests on Forest Ecology

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