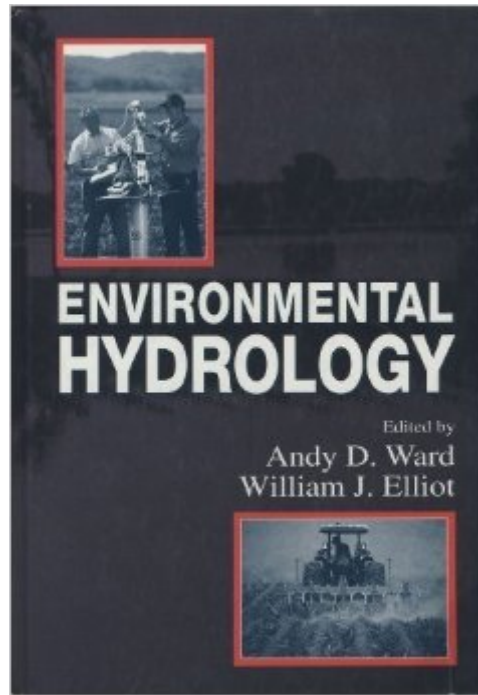


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# Environmental Hydrology



## Synopsis

Environmental Hydrology is an excellent textbook for use in introductory/intermediate hydrology courses. 60 tables, 169 illustrations, 71 worked examples, 120 homework problems, laboratory exercises or projects are included in this ideal textbook for students of environmental science, hydrology, meteorology, agronomy, soil science, forestry, geography, natural resources, and agricultural and civil engineering. It provides a qualitative understanding of hydrologic processes and an introduction to methods for quantifying hydrologic parameters and processes. English units are primarily used but conversion tables and many problems with SI units are also presented. Written by an interdisciplinary group of scientists and engineers, the book begins with introductory chapters on the components of the hydrologic cycle. Subsequent chapters cover soil water hydrology, evapotranspiration, ground-water flow, surface runoff, soil erosion, flow in channels, forest and wetland hydrology, water quality, remote sensing applications in hydrology, and modeling hydrologic systems. It also includes a chapter of projects and laboratory exercises, a glossary of terms, hydrologic data, and references.

## Book Information

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## Customer Reviews

This is by far the worst textbook I have ever been forced to use. I am completing a M.S. degree, and between all of my undergraduate and masters classes, this text has been the most confusing and difficult to use. The equations in the textbook are frequently not explained fully, sometimes they wrap around more than one line of text which makes it difficult to know if it is part of the same

equation. The questions at the end of each chapter are written in a confusing manner and it is difficult to know exactly what they are asking. The examples in each chapter do not go through each step of the problem, it will jump from one assumption to the next and not explain how it went from A to B. The index is not accurate and does not point the reader to the correct places in the textbook for concepts. Overall this is a really terrible textbook and has left hating the subject of hydrology.

I purchased this book to use in Dr. Wards hydrology class and was a bit disappointed with it. This was due to the misleading questions at the end of the chapters that lacked in text data to answer the questions. The most severe of these were in chapter 9 in which you were supplied with charts/tables from agricultural data to calculate the sediment budget of housing development, construction, and forested environments (Q. 9.4, 9.6). Also tables cited in text pointed to wrong information or did not exist at all (Chapt9, Pg. 263, 9.5.4). I gave this book a 2 star because I spent hours of additional time working out problems that could not be answered with the data contained in the book, I also had to explain to the teaching assistant that they were doing the problems wrong because they were using data not applicable to the problems being calculated. (funny thing is I got some bonus points to keep my mouth shut because they told the rest of the students the wrong way to do the problem)

Wasn't impressed with this book. This book had many mistakes which was quite annoying. Didn't have a choice, was required to have the book for class. It got to the point where I would make assumptions to what the author was getting at for the problems in the book. Units and terms were incorrect for some problems. This led me to rent the book instead of buying. I am glad I did - I have no use for a book that I can't rely on. I wouldn't doubt that the errors are on purpose to justify the creation of new edition\$.

This book is SO CONFUSING. I am in an upper 300 level conservation hydrology class and all the students are about to group together to tell the professor to stop giving us assignments out of this book....the writing is horrid and hard to follow. I get it's a niche class topic, but hopefully there is something better out there besides THIS book!

This must be the worst textbook ever written. It is filled with typos, hard to follow instructions, and incomprehensible explanations. It is terrible. If you are in a class that requires this book, don't walk, RUN and drop the class!

Really how many stars can you give a text book? It does have good examples for the math problems that are easy to follow. However, I'm assuming that your purchase of this book has nothing to do with my review and more to do with the fact that your professor required the use of this book for your class. I suggest that you try out renting the book instead of purchasing it. I got a great deal from on the rental. However, if you will be taking several Hydrology courses, this might be a good reference book for future classes. (When you rent from , you have the option to buy it at the end of the semester too.)

Not useful...should have more examples of calculations...not easy to read.

Not too well as how I thought

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