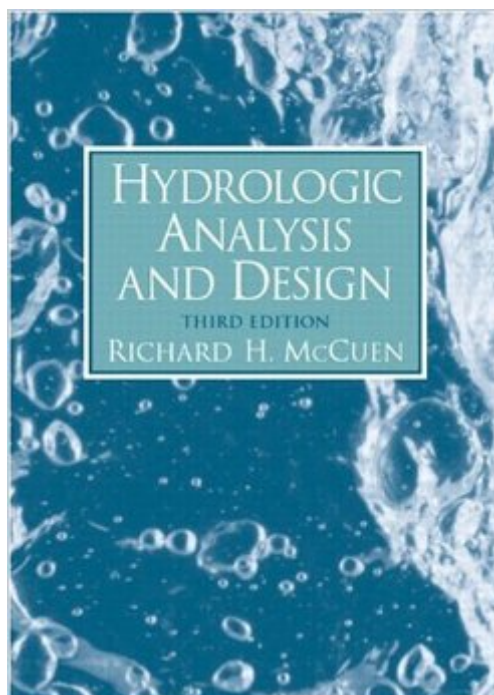


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# Hydrologic Analysis And Design (3rd Edition)



## Synopsis

This book provides a real-world, applications-oriented introduction to engineering hydrology with an emphasis on design. Coverage includes the important hydrologic processes (highlighting watersheds), the effects of land use change (including its detection and modeling), and the ethics and professionalism of a practicing hydrologist. For professionals in civil engineering, geology, environmental science, forestry, or geography who need a good reference on hydrologic analysis and design.

## Book Information

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## Customer Reviews

I really think the quality of textbooks has decreased. The older my textbooks are- the better. The examples are sub-par and there are too few of them but that seems to have become the norm now. Its a decent book. It got me through the coursework and I continue to use it in my career (2 years later).Around the office ( I work at a medium/large regional water resources engineering firm) I may be the only one with this particular book and I find that unsettling. Many of my coworkers have one of three other more mainstream books and I wonder why my professor liked this one so much.

This is by far one of the worst textbooks I have had the misfortune of using. The text is poorly written, riddled with mistakes, and the author spends little to no time explaining examples or equations. There are more skipped steps on example problems than I can count. In McCuen's forward, he mentions that he intended to write a text which is accepted and understood, and makes

things simple and straightforward for the student. If this was McCuen's true intention, then he has utterly failed as an author. Don't waste your time with this book if I can, get another one.

I used this book for a graduate engineering hydrology course. The text covered the basics of surface water flow well enough (not spectacular), but there were numerous issues; namely incorrect answers to the exercises at the end of the chapter, numerous typos, and the information regarding groundwater is very poor at best. Also, the print quality was lacking, especially some of the graphs and maps in the back of the book, which you could barely make out. I prefer Physical Hydrology by Dingman, it is a much more competent book on the subject.

I seem to refer to this book over and over. I am always searching for answers and this book seems to have them all! I am a water resources engineer and feel that this book is well organized, applicable to real engineering problems, easy to read, and well indexed.

This book is an excellent source of information, especially for those who are interested in learning the fundamental aspects of surface hydrology. Dr. McCuen did a fantastic job conveying both the theoretical and applied nature of hydrology. An emphasis was placed on stochastic hydrology and statistical methods, which proved particularly useful when designing storm-water management facilities. Additional topics of importance include [but are not limited to]: channel routing, orifice/weir design, detention basin design, watershed delineation and hydrograph interpretation. Practice problems are included at the end of each chapter. The book is detailed, thorough, and comprehensive...highly recommended!

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