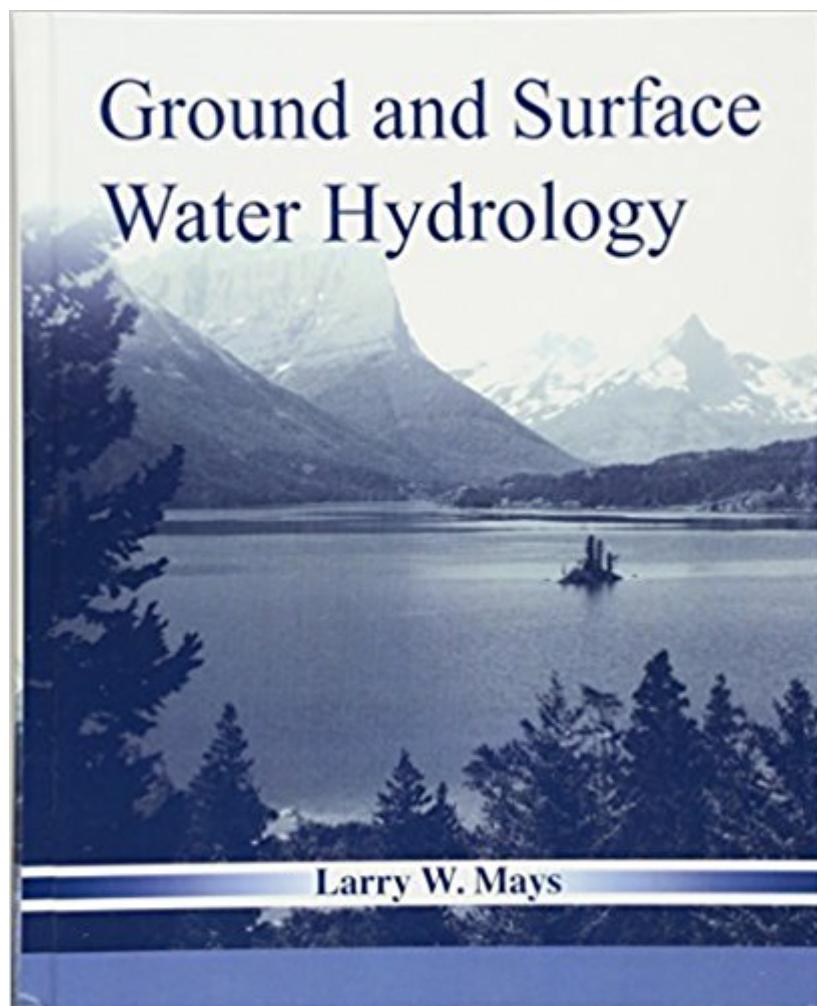


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# Ground And Surface Water Hydrology



## **Synopsis**

Larry Mays' Hydrology is a comprehensive text stressing fundamentals of hydrologic process for both surface water hydrology and groundwater hydrology. The text makes use of internet resources, such as free modeling tools, to help solve more complicated and real-world problems more quickly, and motivate interest in the topics. The book focuses on Water Resources Engineering as a subset of Hydrology and Water Resources Engineering covering sources of water that are useful to humans. Hydrology includes both water resources engineering, and more in-depth coverage of the hydrologic cycle (the continuous circulation of water in the atmosphere, land, surface water, and groundwater). The hydrologic effects of climate change is covered, as well as newer topics in hydrology including use of GIS, remote sensing, NEXRAD and other topics. Emphasis is given to the hydrologic processes and practice in the different climates: humid climate, cold climate, temperate climate, and arid and semi-arid climate. Â

## **Book Information**

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## **Customer Reviews**

I am currently taking a hydrology class at my school and we are using this book. Needless to say, my professor expects us to use the book as our sole means of education. That being said, I am nearing the end of my semester in this course and still feel quite confused on many topics. The book is poorly written with poor examples and not a good explanation of concepts. Because it is a textbook students are often required to use certain ones, so if you're a student, good luck. If you're a educator looking for a good book to use, I would suggest looking elsewhere.

The Introduction to this book is written terribly. I'm no editor, but even I can tell that it is a disaster. Here's some examples that are all within the first three pages and within the section 1.1.2-What is Hydrology?:1) "The United Nations Children's Fund (UNICEF) report, The State of the World's Children 2005: Children under Threat, concluded that more than half the children in the developing world are severely deprived of various necessities essential to childhood; such as 500 million children have no access to sanitation and 400 million children have no access to safe water. One might ask how sustainable is this?"Good question. How sustainable are poverty, unclean drinking water, and unsanitary conditions? Really? Even if the last sentence was an appropriate question, there needs to be a colon added between "ask" and "how," as such: One might ask: how sustainable is this?2) "The number of mega cities (populations over 10 million) will increase significantly. In other words, megacities mean mega problems from many perspectives, not only from a water resources viewpoint, ranging from water supply to water excess management (food management)."Yes, that's where the sentence ends. There is no "but also...[clause]" to go along with the "not only..."The next sentence is:3) "Mega cities and other large cities will be a drain to the Earth's dwindling resources, while significantly contributing to the environmental degradation."THE environmental degradation." Is there only one environmental degradation?4) "Climate change will have more and more effect on flooding in the future, particularly in coastal areas where sea level rise will have a significant effect."More and more" is a phrase that I used to use as fluff to make papers longer.5) "Gleick et al. ()"Parentheses with nothing inside them. And finally, the last sentence in the section is:6) "Hydrology is a very important subject to study; to help alleviate some of the many challenges that we face in the future which are even more complicated by demographic changes, climate change, population growth, and many more."There are other examples in there as well. Larry W. Mays made these mistakes, but Wiley Publishers is supposed to edit these mistakes. Clearly, no one even read this section. \*\*\*\* publishing company.Thankfully, the rest of the book seems to be better written. It is very in-depth and covers a lot of material fairly well. It does contain some conceptual mistakes which were brought to light by my professor. For example, the book defines the term "aquifer" as such:"An aquifer may be defined as a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs (Lohman et al.,1972). This implies an ability to store and to transmit water; unconsolidated sands and gravels are a typical example. Furthermore, it is generally understood that an aquifer includes the unsaturated portion of the permeable unit."My professor

said the last sentence of the definition is "bull\*\*\*\*." Verbatim.

Even though the theory is very easy to understand, this book have vague way of explaining the practice problems. Sometimes I even have to get handouts or get the material from the professor because the book does not include it.

Nice well organized book

Great ebook!

good book

It was a gift so I didn't read it myself, but the recipient was quiet pleased with it. It is in New condition and a great buy. Thank you

Good book.

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