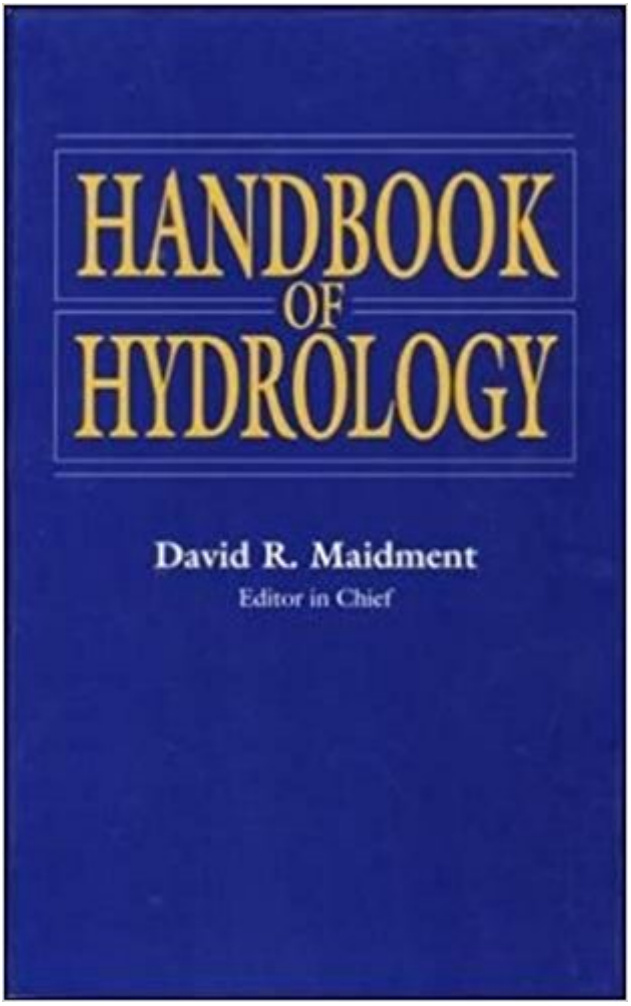
# Handbook Of Hydrology



## Synopsis

Introducing Hydrology’s New Benchmark Reference Here’s the first book in nearly 30 years to provide comprehensive coverage of the current state of hydrologic knowledge and practice--saving you hours of time tracking down the latest techniques in professional journals. Maidment’s Handbook of Hydrology includes the contributions of more than 50 international authorities, who provide you with practical methods of solving problems in every aspect of the field, including the increasing application of geostatistics and computer models. You’ll discover more effective ways to. . .mitigate the impact of floods through better urban drainage; assess the water supplies of cities and farming areas; prevent the pollution of natural waters; halt the damaging effects of erosion; protect wilddlife and preserve wetlands; contain and remove contaminants in waterways; and much more.

## Book Information

Hardcover: 1424 pages

Publisher: McGraw-Hill Education; 1 edition (February 1, 1993)

Language: English

ISBN-10: 0070397325

ISBN-13: 978-0070397323

Product Dimensions: 6.5 x 2.8 x 9.3 inches

Shipping Weight: 4.4 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars 7 customer reviews

Best Sellers Rank: #308,112 in Books (See Top 100 in Books) #78 inÃ Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology #325 inÃ Â Books > Textbooks > Engineering > Civil Engineering #956 inÃ Â Books > Textbooks > Science & Mathematics > Earth Sciences

## Customer Reviews

An expert and highly practical reference on both the theory and practice involved, the Handbook of Hydrology is a much needed compendium of essential information and data filling a void in the literature for practicing hydologists and professionals in related fields.’’

Written by more than 50 experts from around the world, this compendium of hydrologic theory and practice is a welcome and long overdue essential reference for all practicing hydrologists and related professionals. Packed with valuable information and expert guidance, the Handbook offers

solutions to your most perplexing on-the-job problems. For example, you'll learn how to: * Estimate the magnitudes of floods and mitigate their effects * Develop solutions for cleaning up and preventing pollution of surface water and groundwater * Assess water usage for a city or an irrigation project * Choose reliable methods for urban drainage design * Calculate the rate of rainfall, evaporation, infiltration, groundwater flow, snow-melt, and streamflow * Determine the rate of movement of contaminants in surface water and groundwater * Assess the hydrologic effects of land-use changes such as deforestation * Statistically analyze hydrologic data, including extreme events, time series, and spatial data * Select the best computer package for hydrologic simulation * Use remote sensing, automated data collection, forecasting, and advanced computer methods in hydrology Now when you need to understand an unfamiliar term or a new subject area, obtain a formula, find a computer program for solving a problem, obtain values from a map or a table of data, or convert hydrologic units, this is the only source you'll need. A must-have reference for anyone involved in hydrology, environmental pollution, urban drainage, water resources planning and management, and related fields, the Handbook of Hydrology will prove to be indispensable to your work.

Decent Book

Delivery is fast. And book quality is also good.

Although it's a used one, the condition is good and acceptable. The content seems difficult and too much to me. But it's exactly a good book!

I used this book as a course text in one course at grad school, and an unofficial text in numerous other courses. It is fairly specialized, geared toward the the intersection of civil engineering and hydrology. It contains an impressive breadth of subjects, some of which may now seem a little technologically quaint (although section 25.5.4 on meteor-burst telemetry is still incredibly cool). The bread and butter is immensely useful as a reference. In particular, I was impressed with the statistical elements of chapter 18, regarding the frequency analysis of extreme events.The handbook has 29 chapters and 58 contributors:part 1 - hydrologic cycle1: Hydrology2: Climatology3: Precipitation4: Evaporation5: Infiltration and Soil Water Movement6: Groundwater Flow7: Snow and floating ice8: Streamflow9: Flood runoff10: Flow routingPart 2 - hydrologic transport11: Water Quality12: Erosion and Sediment Transport13: Hydrologic effects of land use change14:

Contaminant transport in surface water15: Contaminant transport in unsaturated flow16: Contaminant transport in groundwaterpart 3: hydrologic statistics17: Statistical treatment of hydrologic data18: Frequency analysis of extreme events19: Analysis and modeling of hydrologic time series20: Geostatisticspart 4: hydrologic technology21: Computer models for surface water22: Computer models for subsurface wate23: Advances in hydrologic computation24: Remote sensing25: Automated data aquisition and transmission26: Hydrologic forecasting27: Hydrologic design for water use28: Hydrologic design for urban drainage and flood control29: Hydrologic design for groundwater pollution control

The handbook of hydrology is the bible for engineers and scientists in the field of hydrology. The text covers all facets of the topic with the most knowledgable perspectives from current research. My most referenced Handbook of Hydrology chapter is Ch. 18 on the frequency analysis of extreme events. Don’t practice in the field without this text on your shelf.

The book covers everything from the hydrologic cycle, climatology and precipitation to hydrologic design for groudnwater pollution control. This is a great book to use for reference material. I keep going back to this text when ever I am looking for a quick reference.

Not impressed. The print of the text is smudged. I did not find this book useful. I have been practicing civil engineering hydrologic design for 32 years, and I thought I had found a catch-all handbook.