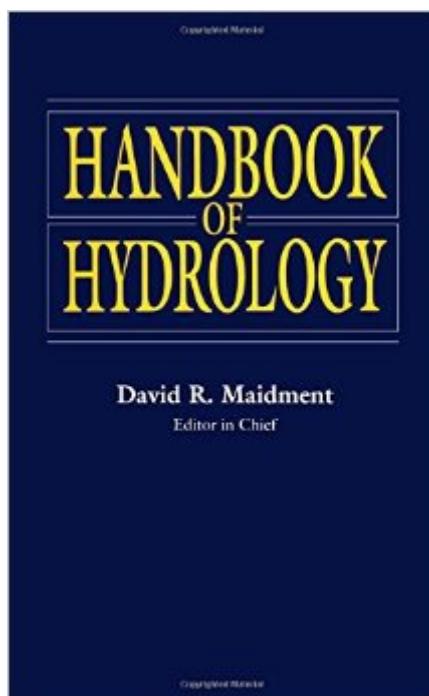


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# Handbook Of Hydrology



## 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 wildlife and preserve wetlands; contain and remove contaminants in waterways; and much more.

## Book Information

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Average Customer Review: 4.5 out of 5 starsÂ  See all reviewsÂ (6 customer reviews)

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## Customer Reviews

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 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 water23: 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 groudewater 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.

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