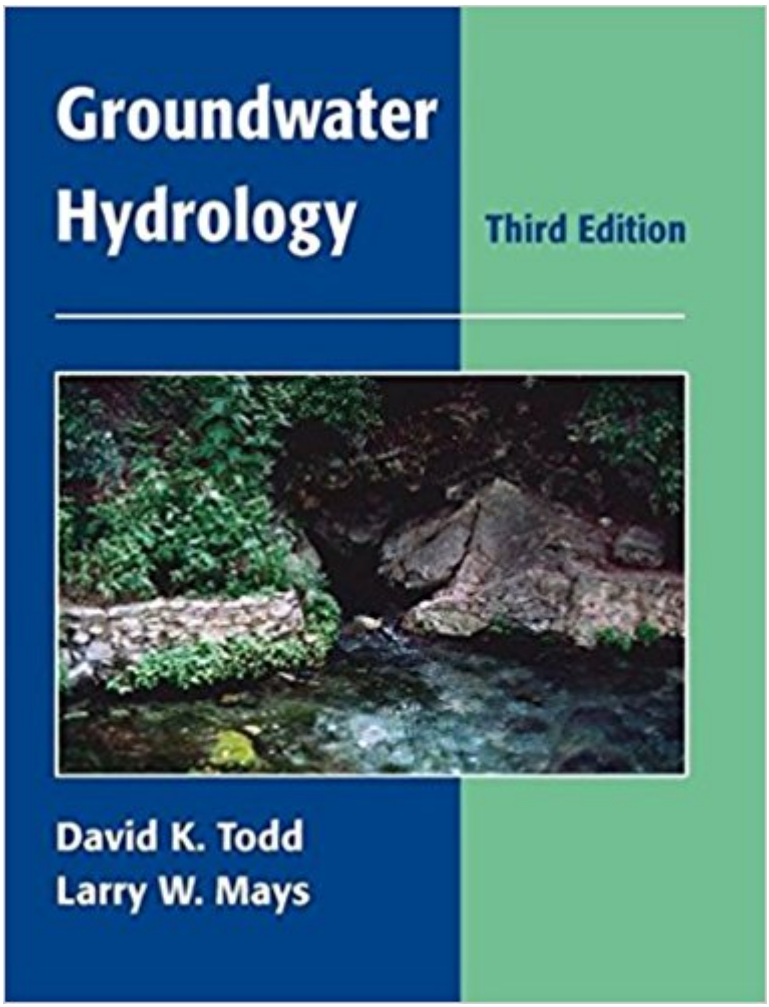
Groundwater Hydrology



Synopsis

A thorough, up-to-date guide to groundwater science and technology Our understanding of the occurrence and movement of water under the Earth's surface is constantly advancing, with new models, improved drilling equipment, new research, and refined techniques for managing this vital resource. Responding to these tremendous changes, David Todd and new coauthor Larry Mays equip readers with a thorough and up-to-date grounding in the science and technology of groundwater hydrology. Groundwater Hydrology, Third Edition offers a unified presentation of the field, treating fundamental principles, methods, and problems as a whole. With this new edition, you'll be able to stay current with recent developments in groundwater hydrology, learn modern modeling methods, and apply what you've learned to realistic situations. Highlights of the Third Edition * New example problems and case studies, as well as problem sets at the end of each chapter. * A special focus on modern groundwater modeling methods, including a new chapter on modeling (Chapter 9), which describes the U. S. Geological Survey MODFLOW model. * Over 300 new figures and photos. * Both SI and U.S. customary units in the example problems. * Expanded coverage of groundwater contamination by chemicals. * New references at the end of each chapter, which provide sources for research and graduate study. Student and instructor resources for this text are available on the book's website at www.wiley.com/college/todd.

Book Information

Paperback: 656 pages

Publisher: Wiley; 3 edition (August 6, 2004)

Language: English

ISBN-10: 0471059374

ISBN-13: 978-0471059370

Product Dimensions: 8.1 x 1.2 x 11 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 4 customer reviews

Best Sellers Rank: #760,650 in Books (See Top 100 in Books) #46 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Groundwater & Flood Control #175 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology #768 inÂ Books > Textbooks > Engineering > Civil Engineering

Customer Reviews

A thorough, up-to-date guide to groundwater science and technology Our understanding of the

occurrence and movement of water under the Earthâ ™s surface is constantly advancing, with new models, improved drilling equipment, new research, and refined techniques for managing this vital resource. Responding to these tremendous changes, David Todd and new coauthor Larry Mays equip readers with a thorough and up-to-date grounding in the science and technology of groundwater hydrology. Groundwater Hydrology, Third Edition offers a unified presentation of the field, treating fundamental principles, methods, and problems as a whole.Â With this new edition, youâ ™ll be able to stay current with recent developments in groundwater hydrology, learn modern modeling methods, and apply what youâ ™ve learned to realistic situations. Highlights of the Third Edition New example problems and case studies, as well as problem sets at the end of each chapter. A special focus on modern groundwater modeling methods, including a new chapter on modeling (Chapter 9), which describes the U. S. Geological Survey MODFLOW model. Over 300 new figures and photos. Both SI and U.S. customary units in the example problems. Expanded coverage of groundwater contamination by chemicals. New references at the end of each chapter, which provide sources for research and graduate study. Student and instructor resources for this text are available on the bookâ ™s website at www.wiley.com/college/todd.

This is a well-written, comprehensive text. However, the publisher does a disservice to readers and authors. The latter wisely utilize diagrams and pictures to illustrate important concepts; however, many of these are indecipherably rendered by poor-quality gray shading. Specific examples: Fig 1.5.3, Fig 1.5.5,Fig 9.8.2, Fig 13.2.10, etc etc. Also, the lost art of indexing is exemplified in this book; for example, "hydraulic head" (arguably the most important topical term, one used repeatedly throughout the text) is not listed.I appreciate the publishers’s attempts to keep costs down, at least, up until the point that fundamental purposes become crossed.

This book is a great reference for me in this moments, actually I was studing a master in science in Civil Engineering and the profesor indicates that is very good book. The format of the topics are very interesting and in according with the silabus of the class, then in effect was a good purchase.

I ordered a used book for school, and got a used book for school. Pretty much sums it up, ya know.

The reviews written in 2000 and 2001 referred to the 2nd edition. The 3rd edition, published in 2004, is now up-to-date.The 3rd edition includes information on modern groundwater modeling methods (including the Modflow model), more coverage of chemical contamination in groundwater, and

includes both U.S. and SI units in the examples.

Hydrology for Engineers, Geologists, and Environmental Professionals, Second Edition: An Integrated Treatment of Surface, Subsurface, and Contaminant Hydrology Groundwater Hydrology Groundwater Hydrology: Engineering, Planning, and Management Applied Groundwater Hydrology & Well Hydraulics Reference Book to Accompany Practical Problems in Groundwater Hydrology: Problem-Based Learning Using Excel Worksheets Groundwater Hydrology of Springs: Engineering, Theory, Management and Sustainability Hydrology and the Management of Watersheds Ground-Water Hydrology and Hydraulics Environmental Hydrology, Third Edition Wetland Soils: Genesis, Hydrology, Landscapes, and Classification, Second Edition Hydrology and Hydraulic Systems Forest Hydrology: An Introduction to Water and Forests, Third Edition Introduction to Hydrology (5th Edition) Elements of Physical Hydrology Hydrology and Floodplain Analysis (5th Edition) Hydrology and Hydraulic Systems, Fourth Edition Introduction to Hydraulics & Hydrology: With Applications for Stormwater Management Ground and Surface Water Hydrology Physical Hydrology (2nd Edition) Applied Principles of Hydrology (3rd Edition)