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Hydrogeology: Principles and Practice (Hardback)

By Kevin M. Hiscock, Victor F. Bense

John Wiley and Sons Ltd, United States, 2014. Hardback. Condition: New. 2nd Edition. Language: English . Brand New Book. Hydrogeology: Principles and Practice provides a comprehensive introduction to the study of hydrogeology to enable the reader to appreciate the significance of groundwater in meeting current and future water resource challenges. This new edition has been thoroughly updated to reflect advances in the field since 2004. The book presents a systematic approach to understanding groundwater. Earlier chapters explain the fundamental physical and chemical principles of hydrogeology, and later chapters feature groundwater investigation techniques in the context of catchment processes, as well as chapters on groundwater quality and contaminant hydrogeology. Unique features of the book are chapters on the applications of environmental isotopes and noble gases in the interpretation of aquifer evolution, and on regional characteristics such as topography, compaction and variable fluid density in the explanation of geological processes affecting past, present and future groundwater flow regimes. The last chapter discusses groundwater resources and environmental management, and examines the role of groundwater in integrated river basin management, including an assessment of possible adaptation responses to the impacts of climate change. Throughout the text, boxes and a set of colour plates drawn...



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Reviews

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-- **Bernhard Russel**

The most effective publication i ever study. I am quite late in start reading this one, but better then never. You wont sense monotony at whenever you want of your time (that's what catalogs are for concerning in the event you ask me).

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