

# Regional Groundwater Quality (Hardback)

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## Reviews

This ebook is indeed gripping and fascinating. it had been writtern really properly and helpful. I am very easily could possibly get a satisfaction of reading a published publication. (Maude Ritchie)

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# **REGIONAL GROUNDWATER QUALITY (HARDBACK)**



John Wiley and Sons Ltd, United States, 1993. Hardback. Book Condition: New. 261 x 185 mm. Language: English . Brand New Book. Ground water serves as the main source of drinking water for 50 of the United States as a whole--and for 97 of rural populations, in particular. In addition to public concern with point sources of contamination, such as landfills and hazardous waste disposal sites, current attention has now come to focus on the overall quality of ground-water resources. Regional Ground-Water Quality offers the first detailed guidance for conducting ground-water quality investigations in a regional context. This exceptional volume combines hydrogeologic and geochemical principles, as well as statistical principles, within a unique conceptual framework that helps readers produce efficient, meaningful, and successful ground-water assessments. Regional Ground-Water Quality will be a valuable resource when first approaching a regional-scale study and when designing specific regionalscale studies. Throughout the book, topics emphasize the value of studying regional ground-water quality at multiple spatial and temporal scales. Up-to-date coverage of essential processes and methodologies includes: multi-scale design concepts for regional ground-water quality studies the fate and transport of organic and inorganic materials, including nitrates, pesticides, pathogens, acid precipitation, natural radionuclides, saltwater intrusion, and problems in karst aquifers basic concepts of organic and inorganic chemistry a review of environmental isotopes and geochemical modeling statistical concepts for ground-water quality surveys and geostatistical analysis the effects of surface-water/ground-water interactions on ground-water quality the relationship between ground-water quality and land use regional geochemistry principles Readers will be brought completely up to date with the latest research in ground-water assessments, such as novel methods for dating young ground water, including the use of CFCs, tritium/helium-3, and krypton-85. The book also examines the uses of organic compounds as time and source markers, ground-water vulnerability analyses, applications of subsurface microbiology at...

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