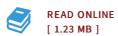




## Modeling Groundwater Flow and Contaminant Transport (Paperback)

By Jacob Bear, Alexander H.-D. Cheng

Springer, Netherlands, 2016. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\*\* Print on Demand \*\*\*\*\*\*. In many parts of the world, groundwater resources are under increasing threat from growing demands, wasteful use, and contamination. To face the challenge, good planning and management practices are needed. A key to the management of groundwater is the ability to model the movement of fluids and contaminants in the subsurface. The purpose of this book is to construct conceptual and mathematical models that can provide the information required for making decisions associated with the management of groundwater resources, and the remediation of contaminated aquifers. The basic approach of this book is to accurately describe the underlying physics of groundwater flow and solute transport in heterogeneous porous media, starting at the microscopic level, and to rigorously derive their mathematical representation at the macroscopic levels. The well-posed, macroscopic mathematical models are formulated for saturated, single phase flow, as well as for unsaturated and multiphase flow, and for the transport of single and multiple chemical species. Numerical models are presented and computer codes are reviewed, as tools for solving the models. The problem of seawater intrusion into coastal aquifers is examined and modeled. The issues...



## Reviews

The very best publication i possibly read. it was writtem very perfectly and useful. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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This sort of publication is every thing and helped me seeking ahead of time plus more. I am quite late in start reading this one, but better then never. I found out this pdf from my dad and i recommended this pdf to learn.

-- Alex Jenkins