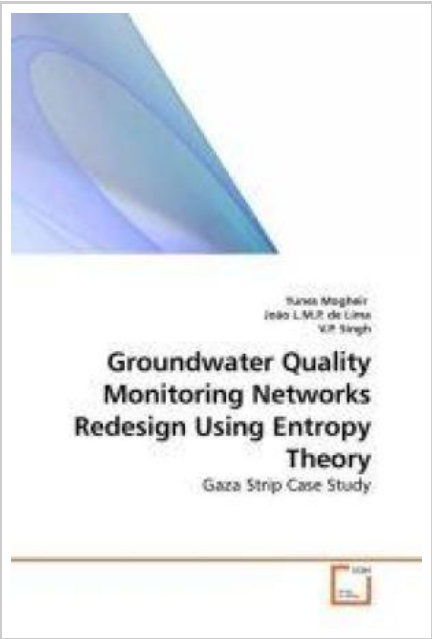

Groundwater Quality Monitoring Networks Redesign Using Entropy Theory

By Yunes Mogheir

VDM Verlag Aug 2009, 2009. Taschenbuch. Book Condition: Neu. 220x150x16 mm. This item is printed on demand - Print on Demand Neuware - Nowadays, long-term monitoring is a major tool in gathering information for tackling changing environmental issues in surface and groundwater management. In the Gaza Strip (a developing region), severe groundwater quality deterioration problems (salinity in groundwater).The monitoring network features (spatial distribution, temporal frequency and variables to be measured) are not assessed and designed according to the information gained from the networks. This book is a doctoral dissertation that focuses on the interrelations between groundwater quality monitoring themes (objectives of monitoring, information needs, and information strategy) in developing regions. The core part of this dissertation is to provide a methodology to assess and redesign the groundwater monitoring networks on the base of increasing the information gained and reducing the cost of monitoring. The contribution of this thesis to the knowledge is to utilize the entropy theory for quantifying the information by means of a discrete approach and to use the entropy theory in groundwater quality monitoring network assessment and redesign. 264 pp. Englisch.

Reviews

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