

Groundwater in the Nile Delta

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Environmental chemistry Hydraulic engineering Environmental pollution Environmental Chemistry Hydrology/Water Resources Hydrogeology Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution

Monografía

This unique volume offers an up-to-date overview of all the main aspects of groundwater in the Nile Delta and its fringes, as well as latest research findings. The themes covered include: \cdot Nile Delta aquifer formation and its characteristics \cdot The use of the groundwater in the Nile Delta and its implications \cdot Sedimentology and hydrogeophysical characteristics \cdot Groundwater investigations and aquifer characterization using current direct resistivity and induced polarization \cdot Groundwater contamination and degradation \cdot Saltwater intrusion and its control \cdot Delineation of groundwater flow and seawater intrusion using various techniques, including onedimensional subsurface temperature profiles, geoelectrical resistivity, and integrated subsurface thermal regime and hydrogeochemical data \cdot Modeling of groundwater and of saltwater intrusion in the Nile Delta aquifer \cdot Excessive pumping and groundwater quality assessment for irrigation and drinking purposes \cdot Groundwater management for sustainability in the Nile Delta. The volume appeals to postgraduate students, researchers, scientists, professionals, decision makers and planners

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