



## Groundwater in the Nile Delta

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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: · Nile Delta aquifer formation and its characteristics · The use of the groundwater in the Nile Delta and its implications · Sedimentology and hydrogeophysical characteristics · Groundwater investigations and aquifer characterization using current direct resistivity and induced polarization · Groundwater contamination and degradation · Saltwater intrusion and its control · Delineation of groundwater flow and seawater intrusion using various techniques, including one-dimensional subsurface temperature profiles, geoelectrical resistivity, and integrated subsurface thermal regime and hydrogeochemical data · Modeling of groundwater and of saltwater intrusion in the Nile Delta aquifer · Excessive pumping and groundwater quality assessment for irrigation and drinking purposes · 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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