



## Ground-water modeling of pumping effects near regional ground-water divides and riveraquifer systems in the Great Lakes Basin--results and implications of numerical experiments

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By -

No binding. Book Condition: New. This item is printed on demand. OCLC Number: (OCoLC)244630072 Subject: Groundwater flow -- Great Lakes Region (North America) -- Computer simulation. Excerpt: . . . 8 Ground-W ater Modeling of Pumping Effects near Regional Ground-W ater Div ides and Riv er Aquifer Systems where the amount of flow through the boundary depends on Sensitivity Analysis the hydraulic heads in the boundary cell and the adjoining cell Several model input parameters in the scenario model within the model; the amount of flow is directly proportional were examined by parameter sensitivity analysis. Sensitivity to a conductance term ( McDonald and Harbaugh, 1988 ). The 2 analysis is a process used to assess the effect of model input conductance term was initially set to 0. 2 ft d. Each layer in parameters on model outputs, which typically are hydraulic the model terminates in the east by a general head boundary, heads. This process provides information on which model with the hydraulic head in units 1 and 2 set to an elevation parameters are most important to the simulated system. The of 575 ft. The hydraulic head for the general head boundary parameters that affect diversions of water across...



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