## Groundwater modelling of Nenasi, Pekan, Pahang

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One of the most valuable and practical tools the groundwater manager can use is the computer model. Any professional working in the field of hydrogeology should adapt to and use groundwater models to be truly efficient. The conceptual model of the groundwater system in Nenasi, Pekan Pahang was proposed and translated into a numerical model. Groundwater flow model, MODFLOW was used to simulate the steady state hydrogeological conditions for the area. Good agreement was obtained between the simulated and observed groundwater levels. The calibrated model was used to study the environmental impacts on groundwater caused by over abstraction in Nenasi. The present model boundary conditions and modelling results suggested that over abstraction would lower down the groundwater level, dry up the shallow aquifer and induce saltwater intrusion.