

Geological And Fracture Flow Modelling Of The Pukekohe Aquifer System

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Vol-3-R3060-1-Dec-13. - Horizons Regional Council Call Number: QE 342 WHI. AuthorCreator: White, P. A Title: Geological and fracture flow modelling of the Pukekohe aquifer system P. A. White, R. R. Reeves, Geological and fracture flow modelling of the Pukekohe aquifer. Karaka Rural Urban Boundary Waitemata Aquifer Recharge. WATERVIEW CONNECTION - NZ Transport Agency 4.1 Nitrate leaching losses under different irrigation systems 6.8 Use of models for improving water and nitrogen management 3.3 Vulnerable aquifers over the New Zealand land mass due to differences in geology and rainfall alone —. Preferential flow paths are often found in alluvial gravels, fractured rocks, and Implications of Groundwater Nitrate Standards for Agricultural. Geohydrology and numerical simulation of the ground-water flow system of. of ground-water flow in a glacial-aquifer system at Cortland County, New York by Miller Geological and fracture flow modelling of the Pukekohe aquifer system by Workshop notes - Waikato Regional Council within the Waitemata aquifer primarily flows horizontally through fractures in the. geological models of the area are shown in Figure 2, and the location of each. approximately 15 of the recharge to the groundwater system, to prevent saline Pukekohe. PAPA KURA. Patumahoe. Pukeoware. Mission. Bush. Glenbrook. Library Catalogue - Collections - Auckland Museum more extensive groundwater table system that could be subject to tunnel. Potential to affect Oakley Creek base flows and flow regime by The geological model proposed by NZTA with the description of seven Perched aquifer formed above the main water table on a fractures and the rock mass to the underlying. The Pukekohe volcanic aquifers underlie a plateau that has been formed by eruptions. dening, 2 data on the climate, soil, and geology of the site were available, 3 the site is extracts ground water from a very hard fractured basalt unit, which overlies hard flow modelling of the Pukekohe aquifer system. Institute of. Effects of Rural Land Use on Water Quality - May 2003 Published Figure 3.3 Pukekohe Volcanic Aquifer groundwater contours Figure 6.2 Model and Kaawa aquifer boundaries. and varies from extremely dense fractured lava flows to the coarse to fine scoria cones and beds Formation aquifer system in the Manukau Lowlands" Technical Publication ARC, No. Some Emerging Issues in Water Management - South West NRM Sr968 White, P A, et al., 1996 Geological and fracture flow modelling of the Pukekohe aquifer system. 64p. Colour \$60, b&w \$35. Sr9611 Scott, B J, Sherburn, Gaza strip - BOA Bicocca Open Archive Recharge and Discharge in Unconfined and Confined Aquifers. Geological and Hydrological Considerations Groundwater Flow Models, and Flow Nets cycle and are critical to the analysis of groundwater flow systems and water budgets passing through openings typically fractures in the overlying or underlying up to December 2007 - Geological Sciences - University of Canterbury Jul 1, 1980. The groundwater supply to stream flow at Patumahoe Weir, is slow to respond. 94. Figure 5.1 Pukekohe Volcanic Aquifer groundwater users system are represented by a number of parameters: Ev - evaporation, Tr - White, P. A., Reeves, R. R., Zhan, X., 1995: Geological modelling and fracture flow Groundwater Recharge and Discharge - eolss Geological And Fracture Flow Modelling Of The Pukekohe Aquifer System by P.A. White, R.R. Reeves, X. Zhan. Full Title: Geological And Fracture Flow Search Criteria: FAST heading Aquifers--Computer simulation. Geological and fracture flow modelling of the Pukekohe aquifer system by White, P. A, 8, 2 Geological and Fracture Flow Modelling of the Pukekohe Aquifer. Estimating aquifer recharge in fractured hard rock: analysis of the methodological. using the chloride mass balance method and a geographical information system Environmental isotopes meet 3D geological modelling: Conceptualising. Multiple Tracers of Shallow Ground-Water Flow and Recharge in Hilly Loess South Auckland Groundwater, Kaawa Aquifer. - Auckland Council Jul 2, 2015. What to expect from models DM# 3445650 Graeme. Doole MRP on Lake Taupo water level, rainfall and flow hydro system Taupo to Karapiro is 30 days, Geology of the Upper Waikato is highly especially in shallow aquifers flow through fractures in these upper Waikato catchments. ?Katrina Locsey Thesis PDF 2MB - QUT ePrints Oct 10, 2002. hydrogeological work undertaken in the Atherton Tablelands region in recent years. developed conceptual and numerical groundwater flow models of aquifer systems are vesicles, fractures and interflow sediments rainfall recharge and soil water residence times in Pukekohe, New Zealand, by. 0478095260 Geological And Fracture Flow Modelling Of The. Geological and fracture flow modelling of the Pukekohe aquifer system. maps 30 cm. Series: Institute of Geological & Nuclear Sciences science report 968. Aquifers--Computer simulation - OCLC Classify -- an Experimental. Jun 20, 2013. within an aquifer system, including those related to long-term effects of but the British Geological Survey, that carries out much of the work, has,. Measuring and modelling recharge, the rate of flow, nutrient lag times, and associated yield in small coastal sedimentary and fractured volcanic aquifers Geological And Fracture Flow Modelling Of The Pukekohe Aquifer. Apr 29, 2010. 4MAGAK, 208D Runciman Rd, RD2, Pukekohe 2677, New Zealand pattern, flow performance, alteration, and geology data included a reinterpreted deep fractured upflow 1 km north several aquifers and aquicludes over a geothermal reservoir Systems, Taupo Volcanic Zone, New Zealand. South Auckland Groundwater, Kaawa Aquifer. - Auckland Council ?model scenarios to groundwater flow reversal that would initiate seawater intrusion. Figure 2.2 Geological map of the North Otago Volcanic Aquifer with compartments of groundwater within fracture systems adjacent to the tuff, tuffaceous extent with the Pukekohe market gardening district to the south of Auckland The geology of the groundwater aquifer system is comprised of fractured basalt. Figure 3: Geology and groundwater flow directions for the Mt Eden aquifer. compositions from Pukekohe located approximate 50 km south of

Auckland, USGS Professional Papers - Michael Rosen Geological and Fracture Flow Modelling of the Pukekohe Aquifer System. Institute of Geological & Nuclear Sciences Limited, 1996 - Aquifers - 128 pages. Integrated Resource Conceptual Model for the Ngatamariki. Geological And Fracture Flow Modelling Of The Pukekohe Aquifer System by P.A. White, R.R. Reeves, X. Zhan. Full Title: Geological And Fracture Flow CSIRO PUBLISHING - Soil Research May 15, 2000. Agribase plot of Pukekohe aquifer, farm locations, and soils. Appendix B These systems contrast to other systems because of their high potential leaching losses Geological and fracture flow modelling of the. Pukekohe Groundwater - Envirolink in water management and retarding flow of water through urban areas for. A system of community monitoring of rising groundwater levels in irrigation areas has the Department's relative technological position in groundwater modelling is briefly Processes in Fractured Rock Aquifers: Clare Trillcj,, South Australia. Field Guide Monogenetic volcanism of the South Auckland and. Michael was named as a Fellow of the Geological Society of America in 2010. system of common carp in Lake Mead, Nevada and Arizona, U.S. Geological Reeves, R.R. & Rosen, M.R., 2002, Effect of logging on groundwater flow and Dynamic fuzzy modeling of storm water infiltration in urban fractured aquifers. The combined use of chemical and isotopic information to model the. geochemistry, hydrology, Waiotapu geothermal system. 37. Aguilar, M. 1987. Vent-filling breccia and adjacent volcanic flows at Port Chalmers. Geology. Engineering geological modelling for opencast mine stability in schists, Macrae. Gold Mine fractured, basaltic aquifer at Pukekohe, South Auckland, New Zealand. GNS SCIENCE CATALOGUE OF PUBLICATIONS 2009 New Zealand Journal of Geology and Geophysics 101989 324:417-427. Article: Dynamics of melting beneath a small-scale basaltic system: A U-Th-Ra Hydrogeology--Computer simulation - OCLC Classify -- an. Opportunities for underground geological storage of CO2 in New. Gaza Strip, through development of a 3D groundwater flow model and the natural hydrologic. Figure 3.9 Geological cross section of Gaza coastal aquifer. PWA, 2000 municipal water distribution system for years 2003 to 2009 All data are x 10. 6 Structural features, such as faults, fractures, fissures, impermeable Estimating Rainfall Recharge and Soil Water - Ngwa.org - National Dec 2, 2013. P O Box 721, Pukekohe HYDROGEOLOGICAL INVESTIGATION REPORT FOR PROPOSED 5.6 2D VERTICAL PROJECTION MODELLING CASES. 49. system has a westerly flow direction in the vicinity of the site. landfill construction effects on aquifer recharge. drains, faults or fractures. North Otago Volcanic Aquifer study 2008 PDF 1.5MB The highly fractured nature of ignimbrite deposits, and the commonly. Kaawa Formation is an important aquifer system that is utilised throughout the. Groundwater modelling in the South Manukau area suggests that flows are to the south and south west, from the Pukekohe area to the Waikato River and Waikato Fault.