

Groundwater Flow System in Klang River Watershed, Kuala Lumpur, Malaysia

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system in Klang river watershed

• Few studies on the groundwater flow system using stable isotopes as a tracer in complex geological setting in tropical climate regions. · We apply the tracer method in mega-city of Kuala Lumpur, highly urbanized watershed underlain by complex geological setting in tropical climate regions. · Our results show that the deep groundwater in the downstream area is recharged mainly in the mountainous areas with the highest altitude of 1421 m, and the shallow groundwater is recharged partly in the hilly areas with the highest altitude of 250 m.



Abstract

Shallow (unconfined) Contour line of hydraulic head Geological cross section 900 Upstream 500 800 700 400 600 300

500 200 S11 S12 400 Midstream N8 KM 300 200 100 $\bigcirc G7$ **G**8 -100 30 km