

Groundwater observation in two layer aquifer system in Shirasu plateau

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The groundwater level and the water quality were studied in the observation well that had been set up in the Shirasu plateau in the southern part of Kagoshima Prefecture. The water temperature and the water quality boundary were observed in the well, and the water temperature difference in the boundary was 0.5 degree and the water quality difference indicated by electric conductivity was 11mS/m. The depth moved by about 2m through the observation period though the boundary existed in the vicinity of the boundary of the Shirasu layer and the pumice layer. Moreover, a high correlation was seen in the relation between the boundary and the groundwater recharge velocity.