

Role of bedrock groundwater flow in rainfall-runoff process in a headwater catchment underlain by rhyolite

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To evaluate the contribution of bedrock groundwater seepage to stormflow generation, runoff and water chemistry of spring and streamflow were observed simultaneously in three headwater catchments, namely Shataku-ue sawa (S-1), Anra sawa (A-1), and Mizunotani sawa (M-1), underlain by rhyolitic rocks, Nikko, Tochigi prefecture.