

Estimation of nutrient flux in the Yamato watershed using SWAT model

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The long-term variation of nutrient flux in the Yamato watershed was estimated using the SWAT model. The results indicate that estimated nutrient flux during flood event is much higher than it was estimated by previous method. Furthermore, nutrient source has been traced by the SWAT and the results indicate that there are different sources between flood events and ordinary flow.

Keywords: water pollution, river, nutrient, SWAT, dissolved nitrogen