

Comparison of the water quality of rivers between the river influenced by the polluted air from urban area and the river

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The source of Arakawa river in Saitama prefecture and the source of Fujigawa river in Yamanashi is common. It is high mountain district located in Western part of Kanto district. However, there is a big difference of water quality between the both rivers. Especially nitrate concentration in Fujigawa river is lower than that of Arakawa river.

This difference suggested the shielding effect of high mountain district on the transportation of polluted air containing nitrate and the other pollutants from the Tokyo area.