

A relation between river water hardness and geology in Natui river line

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In Iwaki city, the Natsu River runs for 65km. The geological map of Iwaki shows that there are many kinds of rocks and sediment in the upper side of the Natsui River line. I think that dissolved matter is different in each river, because the matter dissolved in each river is changed by geology. I searched for the relationship between geology and river water by measuring water hardness. I obtained water from the main river and also from branches of the river. The water was collected from midstream to downstream. And I measured the water hardness by chelatometric titration. As a result, I found that river water hardness affected by basic rocks.

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