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上高地・明神地域における湧水の特性
The regional and chemical characteristics of spring water in Kamikochi, the Japanese Alps

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There are much spring waters in the Azusa River which flows through Kamikochi. These spring waters form the branch of the Azusa River. Spring water shows the characteristics reflecting an underground water flow. Therefore, in order to understand the water cycle of Kamikochi, it is important to understand the formation mechanism of spring water. In this study, we aimed to clarify the characteristics of spring water which forms the branch of Azusa River in Kamikochi. We set up the thermometer in five places of a basin for the measuring of spring and river water temperature. The water samples were collected in water temperature measuring site and Azusa River from July 2011. The pH, electric conductivity and major ions were analyzed with the pH meter, conductivity meter, and ion chromatographs (Dionex: ICS-2000), respectively. In addition, HCO_3^- concentration was measured using the sulfuric acid titration method. The temperatures of spring waters were almost constant from the end of August to the beginning of October.