

Chemical composition of hot spring water from Mt. Bandai

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Chemical analyses of hot spring water were conducted and a conceptual model of hydrothermal system for distribution was proposed at Mt. Bandai. Sampled water were divided into five types based on the anion compositional classification. Type1 represented by Nakanoyu and Akanuma is SO_4 type. Type2, which is distributed northeast district, is Cl type. Type3, which is located north-northeast area, is Cl- SO_4 type and may be explained by the mixture Type1 with Type2. Type4 represented by resort-Oshitate hot spring is HCO_3 type. Type5, which is distributed south-southwest area, is Cl- HCO_3 type, and can be explained by the blend Type4 into Type2.