

Preliminary study on hydrological and isotope environment of coastal area of Shirakami Mountains

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Shirakami Mountains, located around the boundary of Akita and Aomori prefectures, has amount of precipitation and full of nature, especially forest ecosystem. Central part of the mountains was registered with the World Heritage in 1993. On the other hand, acid rain has been observed for a long time. Study on the effect of acid rain to water environment and forest ecosystem is quite few. However, effect of acid rain is considered to be remarkable in the coastal area (Japan sea side), because source of acid rain is recharged from Asian countries (Ministry of Environment).

This study focuses on water and isotope environment of the coastal area of Shirakami Mountains and collected samples of surface water and spring. In this presentation, geochemical and isotopic characteristics of samples will be shown.

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