

## Analysis and consideration of metal ion concentration of water taken from a stream in Yosemite Valley using ICP-AES Ver6

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We've collected fresh water samples from 6 spots in the Merced River in the Yosemite National Park USA. We asked Shinshu University the Faculty of Engineering to analyse the samples. They analysed concentrations of 28 kinds of metal ions using ICP-AER Ver6. Among them, 7 kinds of ions, Ba, Ca, Fe, K, Mg, Na, Sr, showed relatively high readings. In this study, we discuss about the possible correlation between the river length and the ion concentration using the dataset we've made in the last 5 years.