

EMstudy on weathering of biotite under bacterial conditions with special references to specimens from Ishikaawa Fukushima Pref

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Biotite from Ishikawa was examined. Many bacteria were found on the cleavage surface of biotite. Culture experiments of biotite were carried out under various conditions. Three types of bacteria were observed. The bacteria contained characteristic elements, e.g., K, S, P. Based on these results it was estimated that bacteria may influence the acceleration of dissolution of elements and weathering of biotite.