

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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SMP046-P09

Room:Convention Hall

Time:May 27 14:00-16:30

Finding of brown hornblende bearing basic rock from Bungo-Ohno, Oita prefecture

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The Asaji metamorphic rock have been studied by many authors (e.g. Ohshima et al., 1971; Fujii et al., 2008). As the result of field surveying, several basic rock samples which contain brown hornblende, size of up to 0.8 mm were collected. The sample localities are concordant to the area of basic rock belt, and belonged to the metamorphic zone B described by Ohshima et. al. (1971). However, the brown hornblende is characteristic mineral of the metamorphic zone C, and uniquely found in xenolith or roof pendant of the plutonic rocks. There have been no described plutonic rock near around the localities of these basic rocks we found. It is possibly suggested that the potentially underlaying of plutonic rocks at shallow depth.

Keywords: Asaji metamorphic rock, brown hornblende, contact metamorphism