

Magnetic surveys of old volcanoes in the northern part of Shikoku district

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Mt.Kabutoyama (Nishinomiya, Hyogo Pref.) which belong to Setouchi volcanic belt shows characteristic magnetic structure. Magnetic surveys on ground revealed that it was an old volcanic vent because magnetic intensity of a boundary where a volcanic vent is exposed to granite was quite strong. Then, we carried out magnetic surveys on ground at eight old volcanoes that belong to the Setouchi volcanic belt in the northern part of Shikoku district.

The results of our surveys show that the loop magnetic structures like Mt.Kabutoyama were not recognized in these eight old volcanoes. However, magnetic anomalies show complicated inside structure of old volcanic vents.