

Preliminary report on distribution and occurrence of the last pyroclastic flow deposit of the Shinmoedake-kyoho eruption.

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Shinmoe-Kyoho tephre (AD 1716-1717) are classified into at least seven fall units at the western foot of Shinmoedake volcano. Among those, five sub-plinian fall units changing to the pyroclastic flow deposits on the slope of volcanic edifice near the crater (Imura and Kobayashi, 1991). The whole of the pyroclastic flow deposits form the gentle slope in Shinmoedake volcano. Topographical obstacles like a Shishikodake and Nakadake exists in the north and the southeast side Shinmoekade, accordingly the pyroclastic flow deposits has reached even far away more at the foot of the east and the west side of Shinmoedake.

On the other hand, the relation of the deposit of the distal area and near the crater, origin of a pyroclastic flow, etc. have many unknown points about details. This report , the last pyroclastic flow deposit which are most suitable for observation is reported about distribution and occurrence.