

Basaltic pyroclastic flow deposits around Taki-zawa, in northeastern foot of Fuji Volcano.

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It was pointed out that pyroclastic flow deposits after 2000 year before existed in the northeast slope of Mt. Fuji (Uesugi et al.;1987, Koyama;1998).However, those informations about stratigraphy, age and distribution were few and fragmented. A pyroclastic flow is one of the most dangerous volcanic disaster. The characteristic of the pyroclastic flow should be clarified in order to make hazard map.

We recognized three pyroclastic flow deposits on the northeastern slope of Fuji Volcano. It was defined as Takizawa B, A, and A' pyroclastic flow deposits (TkzPfl-B, A, A') in ascending order. Characteristics of those three pyroclastic flow deposits are as follow.

TkzPfl-B distribute along Takizawa River on the northeast slope (altitude 1,250-2,350m). The deposit consists of mainly juvenile fragments, poorly sorted and fines depleted. At the upper stream of the Takizawa River the deposit is partly red oxidization and welded. The juvenile fragments are characterized by cored bomb and ball bomb. The pyroclastic surge deposit was observed at the lowermost part of this pyroclastic flow deposits. The deposit is fines depleted and better sorted than the typical andesitic and dacitic pyroclastic flow deposits. The deposit is dated at 1550+-60 cal.yBP, 1700+-50cal.yBP, and 1970+-90cal.yBP from charcoal woods.

TkzPfl-A is distributed about 1,300-1,600m altitudes along the Takizawa River. The juvenile fragments are characterized by dense fragments and spindle bombs. The deposit consists of high lithic content. The pyroclastic surge deposit was observed at the lowest part of this pyroclastic flow deposits. The deposit is dated at 1640+-40cal.yBP and 1560+-70cal.yBP from charcoal woods.

TkzPfl-A' covered on TkzPfl-A. It has the similar feature of TkzPfl-B.

There are two or more characters in pyroclastic flow deposits about Younger Fuji volcano. Because, the difference deposition structure and a distribution form were observed. Examination is continued to reveal these generating mechanisms.