

Transitional phase from phreatomagmatic to magmatic explosions at hybrid cones in the Ojikajima Monogenetic Volcanoes.

Hiroaki Yamamoto[1]

[1] Inst.Mineral.Petrol.Econo.Geol.Tohoku Univ

The transitional process from phreatomagmatic eruptions to magmatic eruptions was discussed based on the field observation in the Ojika-Jima monogenetic volcano group, northwestern Kyushu islands. The transitional phase eruptions were phreatomagmatic explosions generated by the course of magma intrusion into the wet talus deposits with which the crater is packed. After stable conduit has formed through the wet talus deposits, at the same time lava outflowed in the floor of the crater, the transitional phase changed into magmatic eruption.