

The alteration minerals of the Takamatsu crater (cauldron)

Hiroki Watanabe[1], Shuichi Hasegawa[1]

[1] Construction Eng., Kagawa Univ.

We have examined boring cuttings, obtained from 1700m borehole in the Takamatsu crater.

The Takamatsu crater consists of biotite dacite lava and rhyolite pyroclastics. The basement of volcanic rocks is 1080m in depth. We have identified several alteration minerals (zeolite, kaolinite, chlorite, and smectite) from dacite and pyroclastics, and chlorite from basement granite rocks.

This supports that the Takamatsu crater is cauldron origin.