

Innai Caldera Complex composed of Valles type caldera and Glen-coe type caldera

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<http://earth.ganko.tohoku.ac.jp/members/aizawa/>

Innai Caldera Complex, with 8km in diameter, locates in western side of Backbone Range of NE Japan. Innai Formation distributes in the caldera and is divided into three members, from lowest member; Jpm, Yvm, Kpm. Jpm and Kpm mainly consist of rhyolitic pumice flow deposits. Yvm composes of basaltic to andesitic lava flows, dykes, pyroclastic flow deposits and their reworked deposits. Distribution of dykes, estimated vents of lavas and vent breccias indicates likely ring surrounding caldera center. From some informations, Yvm and Kpm had relation with magma and ring-like fractures. This characteristics indicate of "Glen-coe type" caldera. Innai Caldera Complex consists of two different type caldera, one is Valles type caldera and the other is Glen-coe type caldera.