

Krasheninnikov Volcano

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Krasheninnikov Volcano Latest News

The eruption of the Krasheninnikov volcano was recently recorded for the first time.

About Krasheninnikov Volcano

- It is an **active complex volcano** located in the **Eastern Kamchatka Peninsula, Russia**.
 - The Kamchatka **Peninsula** lies along the **Pacific "Ring of Fire."**
 - There are **114 volcanoes on the Kamchatka Peninsula** that have **erupted during the Holocene Epoch** (approximately 12,000 years ago to the present).
- Krasheninnikov is a **stratovolcano** and reaches a height of 1,886 meters.
- The volcano is **located in a collapsed caldera**, which **formed** after a catastrophic eruption which produced 50 cubic km of dacitic pumice **39,600 years ago**.
- It is **made up of two eruptive cones** in a **9 km wide caldera**.
- The southern cone of Krasheninnikov contains a crater 800 m wide and 140 m deep.
- Its **last eruption** took place about **400 or 600 years ago**.

- **2025 Eruption:** Krasheninnikov volcano erupted on 2 August 2025, three days **after a nearby magnitude 8.8 earthquake**. Ash emissions reached an altitude of 20,000 ft.

What is a Stratovolcano?

- It is a **tall, steep, and cone-shaped** type of volcano.
- Unlike flat shield volcanoes, they have **higher peaks**.
- They are **typically found above subduction zones**, and they are **often part of large volcanically active regions**, such as the **Ring of Fire** that frames much of the Pacific Ocean.
- Strato Volcanoes comprise the **largest percentage (~60%) of the Earth's individual volcanoes**, and most are characterized by **eruptions of andesite and dacite, lavas** that are **cooler and more viscous than basalt**.
- These more viscous lavas allow gas pressures to build up to high levels. Therefore, these volcanoes often **suffer explosive eruptions**.
- They are **usually** about **half-half lava and pyroclastic material**, and the **layering of these products** gives them their other **common name of composite volcanoes**.
- **At the peak**, stratovolcanoes **usually have a small crater**. The crater may be filled with water or ice, or it may contain a volcanic dome during a period of relative inactivity.

Source: **TOI**

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