

## Iliamna Volcano

June 26, 2025 • vajiramandravi.com



**VAJIRAM & RAVI**  
Institute for IAS Examination

# Iliamna Volcano



### Iliamna Volcano Latest News

A recent satellite image showing Alaska's Iliamna Volcano "ready to rumble" has sparked renewed interest in the snow-covered peak, just as scientists recorded a spike in earthquakes on its slopes.

### About Iliamna Volcano

- It is located in **southwest Alaska, United States**.
- It sits in the **Chigmit Mountains** within **Lake Clark National Park** and Preserve.
- It soars to 10,016 feet (3,053 m) tall from nearby Cook Inlet.
- Iliamna is a **stratovolcano**, characterised by its steep, conical shape and periodic explosive eruptions.
- It **comprises andesite lava flows** and **pyroclastic rocks** on a **base of Jurassic-era granite**.
- The volcano is **not a symmetric cone** but is made of a **summit peak and four other peaks** that make a **5-km-long ridge**.
- **Most of the volcano** is **covered by perennial snow and ice**, and **numerous glaciers radiate** from the summit area.

- Large avalanche deposits occur on the flanks of the volcano, particularly down the Umbrella Glacier on the southwest side of the volcano.
- The volcano is **currently considered dormant**, as the **most recent** reported **eruption occurred in 1876**.

## 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.
- Stratovolcanoes 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: **NEWS18**

---

Source: <https://vajiramandravi.com/current-affairs/iliamna-volcano/>

© Vajiram & Ravi. For personal use only.