

Taal Volcano

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Taal Volcano Latest News

Taal Volcano recently produced a brief four-minute phreatomagmatic eruption, sending a plume about 450 meters above its crater as magma interacted with water.

About Taal Volcano

- It is a **stratovolcano** located in Batangas province about 70 kilometers south of Manila, **Philippines**.
- It is classified as a **“complex” volcano** by the Philippine Institute of Volcanology and Seismology (PHIVOLCS).
- It does not rise from the ground as a distinct, singular dome but **consists of multiple stratovolcanoes, conical hills, and craters** of all shapes and sizes.
- It is one of the **active volcanoes** in the Philippines and part of the **“Pacific Ring of Fire”**.
- It had at least 38 recorded eruptions in the last 450 years.
- It has a **massive caldera** which presently **holds Taal Lake**, a picturesque expanse of water 100-150 meters deep, spanning approximately 265 sq.km

- **Within Taal Lake lies Volcano Island**, which covers an area of about 24 sq.km.
- **Volcano Island cradles Crater Lake**, which is 1.2 sq.km. and **contains a prominent rock formation** known as **Vulcan Point**.
- The **caldera rim** consists of **deeply eroded hills and cliffs**.
- The caldera is believed to have formed during a series of prehistoric eruptions between 140,000 and 5,380 BCE.

What is a Phreatomagmatic Eruption?

- It is a type of volcanic eruption that **results from the explosive interaction between magma and water**.
- **When magma touches groundwater, surface water, or water-rich rocks**, it rapidly **converts water into steam**.
- The **explosive release of steam** and the **fragmentation of magma and surrounding rocks produce a mix of ash and other pyroclastic materials** and fragments of overlying and adjacent rocks.

News: **IE**

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