



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

## **NDRRMC UPDATE**

### **Kanlaon Volcano Bulletin**

Releasing Officer:

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Administrator, OCD

**DATE : 11 March 2020, 10:00 AM**

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#### **I. SITUATION OVERVIEW**

##### **A. ALERT STATUS OF KANLAON VOLCANO**

This serves as a notice for the raising of the alert status of Kanlaon from **Alert Level 0 (normal)** to **Alert Level 1 (abnormal)**.

Kanlaon Volcano's seismic monitoring network recorded **a total of eighty (80) volcanic earthquakes since 9 March 2020** dominated by **seventy-seven (77) low frequency events** that are associated with magmatic fluids beneath the edifice. The increased seismic activity could be succeeded by steam-driven or phreatic eruptions at the summit crater, despite the absence of visible degassing or steaming from the active vent this year. Ground deformation data from continuous GPS measurements indicate a period of long-term slow inflation of the edifice since 2017, while short-term electronic tilt monitoring on the southeastern flanks recorded slow inflation of the lower slopes since May 2019 and pronounced inflation of the upper slopes in the end of January 2020. These parameters indicate that volcanic processes are underway deep beneath the edifice that may be caused by deep-seated degassing or hydrothermal activity or magmatic intrusion.

**Alert Level 1** status now currently prevails over Kanlaon Volcano, which means that it is at an abnormal condition and has entered a period of unrest. The local government units and the public are strongly reminded that entry into the 4-kilometer radius Permanent Danger Zone (PDZ) must be strictly prohibited due to the further possibilities of sudden and hazardous steam-driven or phreatic eruptions. Civil aviation authorities must also advise pilots to avoid flying close to the volcano's summit as ejecta from any sudden phreatic eruption can be hazardous to aircraft. DOSTPHIVOLCS is closely monitoring Kanlaon Volcano's activity and any new development will be relayed to all concerned.

## II. ACTIONS TAKEN

1. NDRRM Operations Center prepared NDRRMC Advisory and Update, and disseminated the same to **OCD Regional Centers VI and VII** through NDRRMC website in order to closely monitor the situation and take appropriate actions for any new development.
  2. Concerned NDRRMC member-agencies were provided with a copy of the Memorandum for the SND.
  3. DOST-PHIVOLCS is closely monitoring the activities of Taal and Mayon Volcanoes and any new development will be relayed to all concerned.
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