
Preparedness for Response Report #1 on the Kanlaon Volcano Seismic Activity as of 03 July 2022, 6PM

I. Brief Background on Kanlaon Volcano

Mount Kanlaon spans the provinces of Negros Occidental (Western Visayas) and Negros Oriental (Central Visayas), and is approximately 30 kilometers southeast of Bacolod City, the capital and most populous city of the former province in Region VI. It ranks 27th on the country's highest peaks and 42nd on an island in the world.¹

Its last eruption was reported on 20 December 2017 characterized by small volcanic earthquakes with moderate emissions of white steam-laden plumes that rose to 400 meters from the summit.²

Areas under the four (4)-kilometer permanent danger zones are selected villages of Canlaon City (Negros Oriental), La Castellana, La Carlota City, Bago City and San Carlos City (Negros Occidental) which may affect a combined population count of 528,838³ once a massive eruption occurs.

II. Situation Overview⁴

On 3 July 2022 at 2PM, a total of forty-one (41) volcanic earthquakes around the summit area were recorded at 5 AM of June 30, 2022, by the Kanlaon Volcano Network or KVN. These included seven (7) very shallow tornillo signals that could be associated with volcanic gas movement along with the fractures within the upper volcanic slopes. In addition, ground deformation data from continuous GPS measurements indicate short-term slight inflation of the lower and mid slopes since January 2022, consistent with continuous electronic tilt recording of inflation of southeastern flanks since mid of March 2022. The increased seismic activity and short-term ground deformation are likely caused by shallow hydrothermal processes beneath the edifice that could generate phreatic or steam-driven eruptions from the summit crater.

DOST-PHIVOLCS reminded the public that the Kanlaon Volcano is at **Alert Level 1, which means that it is at low-level 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. DOST-PHIVOLCS is closely

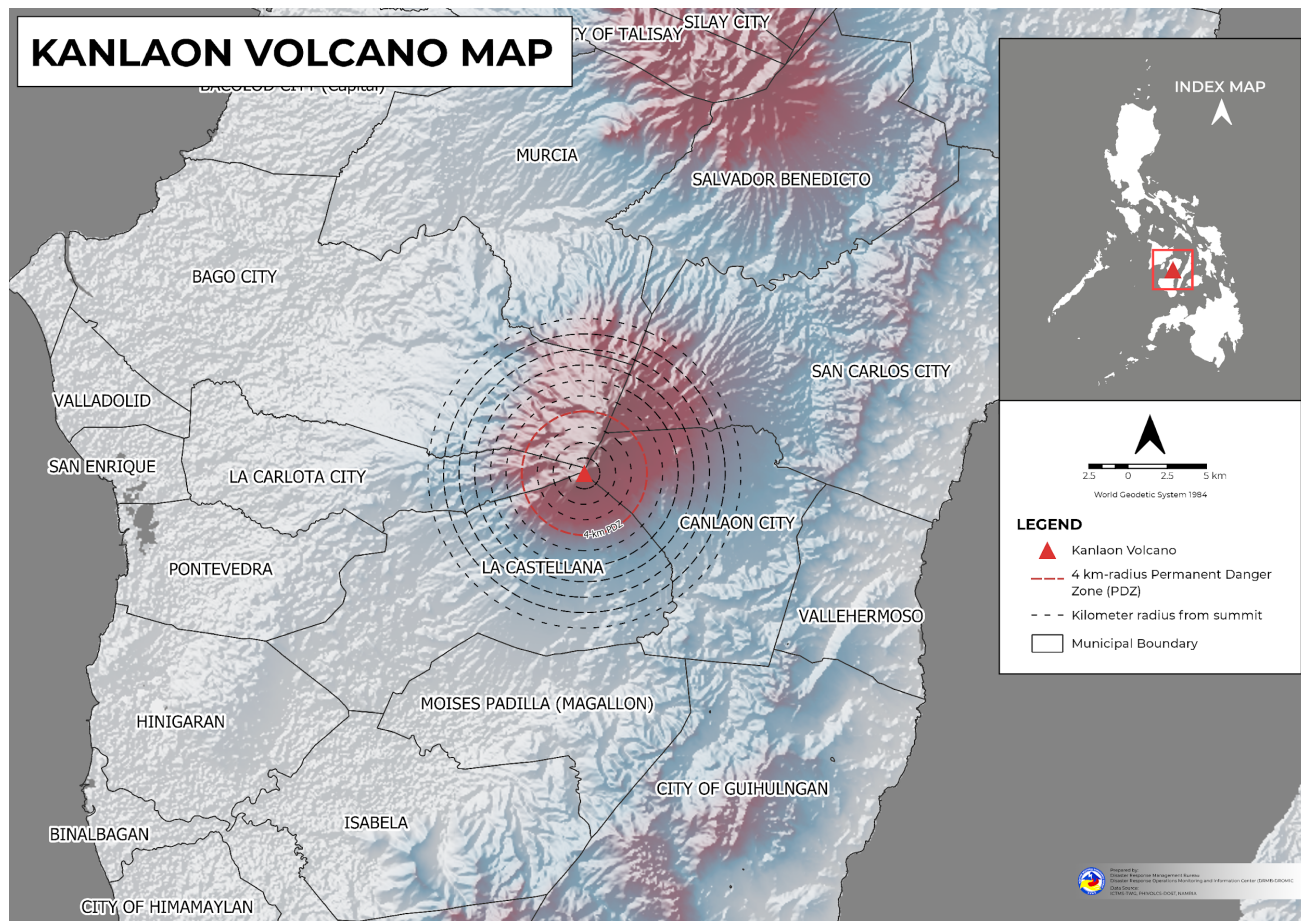
¹ Wikipedia.

² Department of Science and Technology - Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS).

³ Philippine Statistics Authority (PSA), May 2020.

⁴ DOST-PHIVOLCS

monitoring Kanlaon Volcano's activity and any new development will be relayed to all concerned.



III. Response Actions and Interventions

a. Standby Funds and Prepositioned Relief Stockpile

OFFICE	STANDBY FUNDS	STOCKPILE			TOTAL COST (STANDBY FUNDS & STOCKPILE)
		FAMILY FOOD PACKS (FFPs)		OTHER FOOD & NON-FOOD ITEMS (FNIs)	
		QUANTITY	COST		
TOTAL	628,707,640.63	536,725	334,538,218.93	645,115,770.80	1,608,361,630.36
DSWD CO ⁵	548,378,151.49	-	-	-	548,378,151.49
NRLMB-NROC ⁶	-	103,764	67,390,120.00	109,617,027.28	177,007,147.28
NRLMB-VDRC ⁷	-	51,729	32,729,910.00	47,584,005.80	80,313,915.80
DSWD FO VI	5,000,000.00	21,943	10,841,536.00	32,177,578.96	48,019,114.96

⁵ Quick Response Fund (QRF).

⁶ National Resource Operations Center, Pasay City.

⁷ Visayas Disaster Response Center, Cebu City.

OFFICE	STANDBY FUNDS	STOCKPILE			TOTAL COST (STANDBY FUNDS & STOCKPILE)
		FAMILY FOOD PACKS (FFPs)		OTHER FOOD & NON-FOOD ITEMS (FNIs)	
		QUANTITY	COST		
DSWD FO VII	5,000,000.00	12,675	7,224,750.00	17,164,427.14	29,389,177.14
Other FOs ⁸	70,329,489.14	346,614	216,351,902.93	438,572,731.62	725,254,123.69

b. Standby Funds

- ₱548.38 million QRF at the DSWD-Central Office.
- ₱10.00 million available at DSWD-FOs VI and VII at ₱5 million each.
- ₱70.33 million in other DSWD-FOs which may support the relief needs through inter-FO augmentation.

c. Prepositioned FFPs and Other Relief Items

- Total of 155,493 FFPs available in the Disaster Response Centers; of which, 103,764 FFPs are at NROC, Pasay City and 51,729 FFPs are at the VDRC, Cebu City.
- 34,618 FFPs are available at DSWD FO VI and VII.
- 346,614 FFPs in other DSWD FOs which may support the relief needs through inter-FO augmentation.
- ₱645.12 million worth of other food and non-food items (FNIs) at NROC, VDRC and DSWD-FO warehouses countrywide.

The Disaster Response Operations Monitoring and Information Center (DROMIC) of DSWD-DRMB is closely coordinating with DSWD FO VI and VII for significant preparedness for response updates and technical assistance needed.

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⁸On standby which may be requested to augment the resources of DSWD-FOs VI and VII.