

DSWD DROMIC Preparedness for Response Report #2 on the Mayon Volcano Seismic Activity

as of 09 June 2023, 6PM

I. Situation Overview

- As of **09 June 2023 at 8:00 AM, Alert Level 3** prevails over Mayon Volcano which means that it is currently in a relatively high level of unrest as magma is at the crater and hazardous eruption is possible within weeks or even days.
- In the past 24-hour period, the Mayon Volcano Network recorded six (6) dome-collapse Pyroclastic Density Currents (PDCs) that lasted three (3) to six (6) minutes and one hundred ninety-nine (199) rockfall events based on seismic and visual observations. The PDC and rockfall events emplaced lava debris on the southern gullies within two kilometers from the summit crater. Thin light brown ash from the rockfalls and continuous moderate degassing from the summit crater produced steam-laden plumes that were bent and drifted to the general south. Fair crater glow or “banaag” and incandescent rockfall shed from new fluidal lava at the summit of Mayon Volcano were also observed last night. Sulfur dioxide (SO₂) emission was last measured at an average of 332 tonnes/day on 07 June 2023. Short-term observations from EDM and electronic tiltmeter monitoring show the upper slopes to be inflating since February 2023. Longer-term ground deformation parameters based on EDM, precise leveling, continuous GPS, and electronic tilt monitoring indicate that Mayon is still inflated, especially on the northwest and southeast.
- It is therefore recommended that the population within the 6-km radius Permanent Danger Zone (PDZ) be evacuated due to the danger of PDCs, lava flows, rockfalls and other volcanic hazards.
- Increased vigilance against pyroclastic density currents, lahars and sediment-laden streamflows along channels draining the edifice is also advised. Heavy rainfall could generate channel-confined lahars and sediment-laden streamflows in channels where PDC deposits were emplaced.
- Civil aviation authorities must also advise pilots to avoid flying close to the volcano’s summit as ash from any sudden eruption can be hazardous to aircraft. Based on the current prevailing wind pattern, ash fall events may most likely occur on the south side of the volcano.
- According to the Albay Public Safety Emergency Management Office (APSEMO) of the Albay Provincial Disaster Risk Reduction and Management Council (PDRRMC), the evacuation of at least 4,749 families or 18,184 individuals from 50 affected barangays will start today, 09 June 2023.

Source: DOST-PHIVOLCS

II. Predictive Analytics for Humanitarian Response (PAHR)

A total of **15,539 families** in **30 barangays** in **Region V** lying within the **6-kilometer (km) Permanent Danger Zone (PDZ)** are at high risk of Mayon volcano's eruption. A massive eruption would directly affect **182,283 families** spanning nine (9) municipalities in the Province of Albay (see Table 1).

Figure 1. Potential areas exposed within the six (6) kilometer-radius Permanent Danger Zone (PDZ)

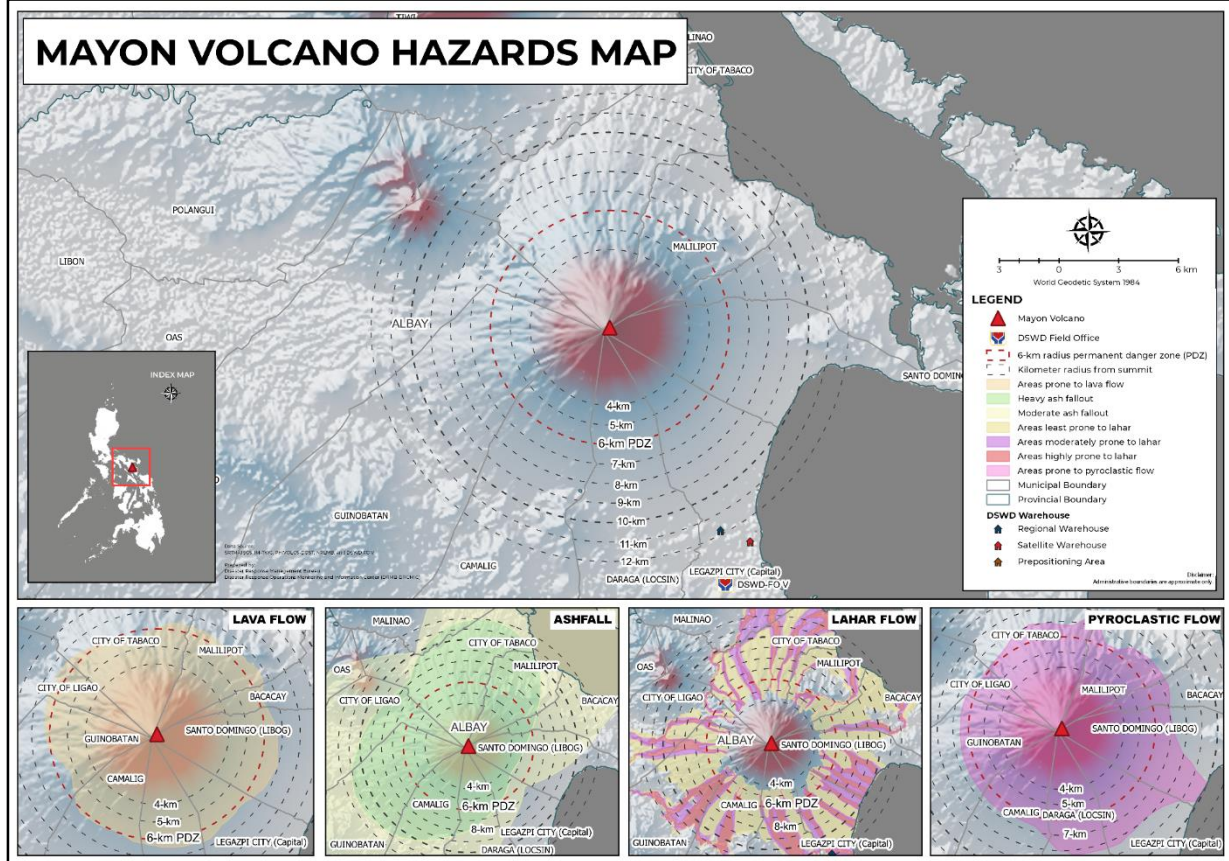


Table 1. FFP Requirement based on the PAHR Results

MUNICIPALITY	6-KM PDZ (PSA 2020)		TOTAL POPULATION (PSA 2020)		TOTAL FFPs PREPOSITIONED ¹
	BARANGAYS	FFP REQUIREMENT ²	BARANGAYS	FFP REQUIREMENT	
TOTAL	30	15,539	417	182,283	80,278
Bacacay	1	1,600	56	14,497	
Camalig	4	1,474	50	14,408	
City of Ligao	1	322	55	23,619	
City of Tabaco	5	2,855	47	28,192	
Daraga	1	224	54	26,779	
Guinobatan	4	1,951	44	17,157	
Legazpi City	5	2,733	70	41,907	

¹ Prepositioned FFPs in DSWD-FO V as of 09 June 2023, 4PM

² Number of family composed of five (5) members

MUNICIPALITY	6-KM PDZ (PSA 2020)		TOTAL POPULATION (PSA 2020)		TOTAL FFPs PREPOSITIONED ¹
	BARANGAYS	FFP REQUIREMENT ²	BARANGAYS	FFP REQUIREMENT	
Malilipot	5	2,113	18	8,171	
Santo Domingo	4	2,267	23	7,553	

III. Response Actions and Interventions

a. Standby Funds and Prepositioned Relief Stockpile

OFFICE	STANDBY FUNDS	STOCKPILE			TOTAL STANDBY FUNDS & STOCKPILE
		FAMILY FOOD PACKS		OTHER FOOD AND NON-FOOD ITEMS (FNIs)	
		QUANTITY	TOTAL COST		
TOTAL	217,590,518.52	1,074,196	658,469,484.63	1,044,301,757.53	1,920,361,760.68
DSWD CO	144,789,525.45		-	-	144,789,525.45
NRLMB NROC	-	105,618	65,028,260.23	217,644,209.96	282,672,470.19
NRLMB VDRC	-	73,542	52,397,960.48	42,313,131.41	94,711,091.89
DSWD FO V	5,000,000.00	80,278	49,933,836.66	45,835,866.45	100,769,703.11
Other FOs	67,800,993.07	814,758	491,109,427.26	738,508,549.71	1,297,418,970.04

Note: The Inventory Summary is as of 09 June 2023, 4PM.

Sources: DSWD-DRMB and DSWD-NRLMB

1. Standby Funds

- ₱144.79 million Quick Response Fund (QRF) at the DSWD Central Office.
- ₱5 million available at DSWD FO V.
- ₱67.8 million in other DSWD FOs which may support the relief needs in affected areas due to Mayon Volcano seismic activity through inter-FO augmentation.

2. Prepositioned FFPs and Other Relief Items

- 179,160 FFPs available in Disaster Response Centers; of which, 105,618 FFPs are at the National Resource Operations Center (NROC), Pasay City and 73,542 FFPs are at the Visayas Disaster Resource Center (VDRC), Mandaue City.
- 80,278 FFPs available at DSWD FO V.
- 814,758 FFPs in other DSWD FOs which may support the relief needs in affected areas due to Mayon Volcano seismic activity through inter-FO augmentation.
- ₱1.04 billion worth of other FNIs at NROC, VDRC, and DSWD FO warehouses.

b. Camp Coordination and Camp Management (CCCM)

DSWD FO V

DATE	SITUATIONS / ACTIONS UNDERTAKEN
09 June 2023	<ul style="list-style-type: none"> • DSWD FO V conducted monitoring of the forced evacuation of families and individuals within the 6-km Permanent Danger Zone at Sitio Nagsipit, Brgy. Mariroc, Tabaco City, Albay to Pawa Evacuation Center as initiated by the BLGU of Mariroc and the LGU of Tabaco. • DSWD FO V conducted monitoring at the San Antonio National High School and facilitated the interview of the Internally Displaced Persons (IDPs) for filing of the Disaster Assistance Family Access Card (DAFAC), coordinated with the camp manager, nurse, and assigned PNP personnel, and prepared the ECs information board as part of the preparedness measures for the possible effects of the Mayon Volcano seismic activities.

DATE	SITUATIONS / ACTIONS UNDERTAKEN
	<ul style="list-style-type: none"> DSWD FO V conducted site visit of the two (2) open evacuation centers in Camalig and Guinobatan, to assess the condition of the IDPs and their basic needs such as water and food supply, kitchen, restrooms, and sleeping area. DSWD FO V Regional Director Norman Laurio instructed the assigned members of the Municipal Action Teams (MAT) to be on top of the situation and to closely coordinate with the camp managers of the affected LGUs.

c. Other Activities

DSWD-DRMB

DATE	SITUATIONS / ACTIONS UNDERTAKEN
09 June 2023	<ul style="list-style-type: none"> The Disaster Response Operations Monitoring and Information Center (DROMIC) of the DSWD-DRMB monitors and closely coordinates with DSWD FO V for significant updates on the preparedness measures and actions taken.

DSWD-NRLMB

DATE	SITUATIONS / ACTIONS UNDERTAKEN
09 June 2023	<ul style="list-style-type: none"> DSWD-NRLMB continuously conducts repacking of relief goods for possible augmentation. DSWD-NRLMB facilitates the delivery of additional FNIs to the DSWD FO V in preparation for the possible effects of the Mayon Volcano seismic activities.

DSWD FO V

DATE	SITUATIONS / ACTIONS UNDERTAKEN
09 June 2023	<ul style="list-style-type: none"> The MATs are now on a 24/7 shift to ensure that all concerns and needs of the evacuees will be addressed, reported, and referred to concerned offices and agencies. DSWD FO V continuously coordinates with the Provincial Government of Albay through its Provincial Disaster Risk Reduction and Management Office (PDRRMO) and Albay Public Safety and Emergency Management Office (APSEMO) for significant updates. DSWD FO V through its DRMD continuously monitors the situation and coordinates with other partners for other essential information.
08 June 2023	<ul style="list-style-type: none"> DSWD FO V through its Disaster Response Management Division (DRMD) led a meeting with the City and Municipal Action team leaders and members to discuss on the preparedness for response actions relative to the potential impacts of the ongoing unrest activities of the Mayon Volcano. DSWD FO V activated its Quick Response Team – Social Welfare and Development Team (SWADT) in Albay. DSWD FO V led the monitoring of the delivery of 21,000 FFPs from DSWD-NRLMB to DSWD FO V new warehouse in Camalig, Albay. DSWD FO V facilitated the identification of additional warehouses for prepositioning of FNIs. DSWD FO V inspected 115 evacuation centers in preparation for any possible evacuation. The Regional Resource Operations Section (RROS) of DSWD FO V ensured the availability of FFPs and NFIs as need arises.

IV. Response Actions and Interventions

09 JUNE 2023
DSWD Field Office V DSWD FO V monitors the forced evacuation of families and individuals within the 6-km Permanent Danger Zone at Brgy. Mariroc, Tabaco City, Albay to Pawa Evacuation Center as initiated by the BLGU of Mariroc and the LGU of Tabaco.



Shot on Y11 camera



09 JUNE 2023
DSWD Field Office V Regional Director Norman Laurio visits the families and individuals at the 6-kilometer radius Permanent Danger Zone (PDZ) of Mt. Mayon to monitor their situation.




08 JUNE 2023

DSWD Field Office V Regional Director Norman Laurio leads a meeting with the City and Municipal Action Team (CMAT) leaders and members to discuss preparedness for response actions regarding the potential impacts of the ongoing unrest activities of Mt. Mayon at the DSWD Regional Operation Center, Buraguis, Legaspi City, Albay.



08 JUNE 2023

DSWD Field Office V conducts inspection of identified evacuation centers in various municipalities in Albay.



07 JUNE 2023

DSWD Field Office V Regional Director Normal Laurio monitors the prepositioning of family food packs at the DSWD Field Office V warehouse in Camalig, Albay.



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

Prepared by:

AARON JOHN B. PASCUA
MARIE JOYCE G. RAFANAN

Released by:

RODEL V. CABADDU