

SitRep No. 4 for the Mayon Volcanic Activity (2023)

13 Jun 2023 08:00

ALERT LEVEL



3
CURRENT ALERT LEVEL


On 08 June 2023, 12:00 PM, Alert Level 3 (Increased Tendency Towards Hazardous Eruption) was raised in Mayon Volcano. This means that Mayon is exhibiting magmatic eruption of a summit lava dome, with increased chances of lava flows and hazardous pyroclastic density current or PDC events affecting the upper to middle slopes of the volcano and of potential explosive activity within weeks or even days.



3
HIGHEST ALERT LEVEL SINCE THE ERUPTION

On 11 June 2023, at around 7:47 PM, an effusive eruption (lava flow) commenced from the summit crater of Mayon Volcano. The activity formed two lobes of lava that emplaced within 500 meters from the crater and shed lava debris on the Mi-lsi (south), Bonga (southeastern), and Basud (eastern) Gullies that fell within 2 kilometers from the crater. Mayon Volcano was at Alert Level 3 during the said lava flow activity.

PRE-EMPTIVE EVACUATION



0
Pre-emptively Evacuated

No pre-emptive evacuation conducted as of reporting time.

AFFECTED POPULATION



3,876
Affected Families



13,811
Affected Persons

-  1 Region
-  1 Province
-  6 Cities/Municipalities
-  21 Barangays

STATUS OF EVACUATION

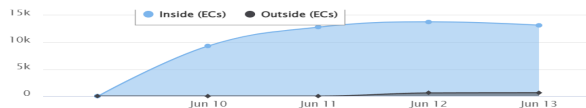


13,811
Displaced Persons



21
Evacuation Centers

DISPLACEMENT TREND



CASUALTIES

BREAKDOWN OF CASUALTIES PER SEX AND AGE GROUP

0 Total Confirmed For Validation

0 Total Confirmed For Validation

0 Total Confirmed For Validation

0 Total Confirmed For Validation

0 Total Confirmed For Validation


0 Total Confirmed For Validation

0 Total Confirmed For Validation

0 Total Confirmed For Validation

0 Total Confirmed For Validation


RELATED INCIDENTS



0
Related Incidents

No related incidents have been reported as of this time.

DAMAGED HOUSES



0
Damaged Houses

Estimated Cost of Damaged Houses: **₱ 0**


DAMAGE TO INFRASTRUCTURE




0
Damaged Infrastructure

Estimated Cost of Damaged Infrastructure: **₱ 0**


DAMAGE TO AGRICULTURE




0
Affected Farmers/
Fisherfolks




0
Hectares of Crops



0
Agricultural
Infrastructures,
Machineries, and
Equipment




₱ 0
Cost of Damage to Livestock, Poultry, and Fisheries



₱ 0
Estimated Cost of
Damage to
Agriculture

OTHER DAMAGED ASSETS



Estimated Cost of Other Damaged Assets: **₱ 0**

STATE OF CALAMITY

18
Total Number of Cities and Municipalities declared under State of Calamity (SOC)

Number of SOCs declared at the following levels:

- Regional: **0**
- Provincial: **1**
- City/Municipality: **0**

STATUS OF LIFELINES

Affected Roads and Bridges



0 Road Sections, **0** Bridge Sections

- 0% Passable to all vehicles
- 0% Not passable to light vehicles
- 0% Not passable to all types of vehicles
- 0% Passable to light vehicles
- 0% One Lane Passable

Affected Ports



0 Airports, **0** Seaports


There are no affected airports as of reporting time.

There are no cancelled flights as of reporting time.

There are no affected sea port as of reporting time.

There are no stranded passengers, rolling cargoes, vessels, and motorbanca as of reporting time.

Power



0

There are no power outage/interruption as of reporting time.


Water Supply



0

There are no water supply outage/interruption as of reporting time.

Communication Lines



0

There are no outage/interruption on telecommunications as of reporting time.


SUSPENSION OF CLASS AND WORK



6 Cities/ Municipalities with Class Suspension

0 Cities/ Municipalities with Work Suspension

ASSISTANCE PROVIDED



Estimated Cost of Assistance Provided: **₱ 25,617,943.12**

- DSWD
- LGU
- Private
- NGO
- Family Food Pack
- Modular Tent
- Family Tent
- Rice
- Hygiene kit
- Sleeping kits



Situational Report for the Mayon Volcanic Activity (2023)

SitRep No. 4 for the Mayon Volcanic Activity (2023)

June 13, 2023 08:00 am

On 05 June 2023, the alert status of Mayon Volcano was raised to Alert Level 2 (Increasing Unrest) following a sharp increase in the incidence of rockfall from its summit lava dome from an average of 5 events per day in May 2023 to 49 events per day on 5 June 2023.

Pronounced increases in rockfall signify the extrusion of new lava beneath the summit lava dome, destabilizing this and causing its spalling or collapse.

Rockfall activity increased while volcanic earthquake activity was absent to sparse, sulfur dioxide (SO₂) emissions were at background or baseline levels and short-term ground deformation consisted mainly of swelling of the middle to upper slopes of the edifice

Days of increased incidence and volume of rockfall based on seismic records were followed by the generation of short pyroclastic density currents (PDCs) or "uson" in the morning of 08 June 2023. The PDCs were emplaced on the Bonga (Legaspi City), Miisi (Daraga) and Basud (Sto. Domingo) Gullies as far as two (2) kilometers from the summit crater. This indicated that new, less degassed lava was already being spalled from the summit dome and that eruption of very slowly extruding magma had slightly increased.

On 08 June 2023, 12:00 PM, Alert Level 3 (Increased Tendency Towards Hazardous Eruption) was raised. In the evening thereof, incandescent rockfall generated by intermittent collapse of an apparent fluidal lava portion of the summit dome were deposited on the above gullies within a kilometer of the crater.

In the early morning on 10 June 2023, a new summit dome impinging a remnant on the southeast crater floor was observed.

As of 10 June 2023, 7:00 PM, a total of 654 rockfall events and 7 PDCs have been recorded by the Mayon Volcano Network since 01 June 2023. Average SO₂ flux increased beyond baseline levels to 1,205 tonnes/day. All other monitoring parameters remain unchanged.

Fair crater glow or "banaag" and incandescent rockfall shed from new fluidal lava at the summit of Mayon Volcano was observed in the night of 10 June 2023.

On 11 June 2023, at around 7:47 PM, lava flow activity commenced from the summit crater of Mayon Volcano. The activity formed two lobes of lava that emplaced within 500 meters from the crater and shed lava debris on the Mi-Isi (south) and Bonga (southeastern), and Basud (eastern) Gullies that fell within 2 kilometers from the crater. This development was accompanied by only weak seismic activity and a slight swelling of the upper portions of the edifice prior to lava flow based on electronic tilt data.

From 11 June 2023, 5:00 AM to 12 June 2023, 5:00 AM, the Mayon Volcano Network recorded twenty-one (21) weak volcanic earthquakes and two hundred sixty (260) rockfall events. Three (3) dome-collapse PDC that lasted 2 to 4 minutes were also detected. SO₂ emission averaged 642 tonnes/day on 11 June 2023.

From 12 June 2023, 5:00 AM to 13 June 2023, 5:00 AM, the Mayon Volcano Network recorded one (1) volcanic earthquake and 221 rockfall events based on seismic and visual observations. Very slow effusion of lava from the summit crater emplaced lava flow and collapse debris on the Mi-isi (south) and Bonga (southeastern) gullies within approximately a kilometer from the crater. One (1) dome-collapse PDC that lasted two (2) minutes was also detected via seismic signals and was visually observed. Thin ash from the rockfalls and continuous moderate degassing from the summit crater produced steam-laden plumes that bent and crept downslope before drifting northeast. Fair crater glow or "banaag" and incandescent rockfall shed from new fluidal lava at the summit of Mayon Volcano was observed. Sulfur dioxide (SO₂) emission averaged 723 tonnes/day on 12 June 2023.

As of 13 June 2023, 8:00 AM, Mayon Volcano is at Alert Level 3 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.

AFFECTED POPULATION

A total of 3,876 families or 13,811 persons were affected. Of which, 3,701 families or 13,179 persons were served inside 21 ECs and 175 families or 632 persons were served outside ECs:

Affected Regions	AFFECTED			INSIDE ECs			OUTSIDE ECs	
	Brgy	Families	Persons	No. of ECs	Families	Persons	Families	Persons
TOTAL	21	3,876	13,811	21	3,701	13,179	175	632
Region 5	21	3,876	13,811	21	3,701	13,179	175	632

Sources: C/MDRRMOs Camalig, Ligao, Daraga, Guinobatan, Malilipot, and Tabaco as of 12 June 2023, 3:00 PM
Note: Changes in figures are due to ongoing validation

CLASS SUSPENSION

Classes and work were suspended in the following regions:

REGION	No of cities/municipalities
	CLASSES
GRAND TOTAL	6
Region 5	6

Source: DepEd V Report as of 12 June 2023

DECLARATION OF STATE OF CALAMITY

A total of 18 cities/municipalities were declared under the State of Calamity. Below is the number of SOCs issued:

REGION	NO. OF SOCs ISSUED			
	REGIONAL	PROVINCIAL	CITY/ MUNICIPALITY	BARANGAY
GRAND TOTAL	0	1	0	0
Region 5	0	1	0	0

Source: Albay Province

PRE-EMPTIVE EVACUATION (ANIMALS)

PROVINCE	NUMBER OF HEADS	
	LIVESTOCK	POULTRY
Grand Total	89	0
Region 5	89	0

Source: Albay Public Safety and Emergency Management Office Report as of 11 June 2023, 5:00 PM

ASSISTANCE PROVIDED

The following assistance were provided to Region 5.

	QTY	UNIT	AMOUNT (PHP)
GRAND TOTAL	40,290		25,617,943.12
Dinner	0		40,000
Distilled water 6L	300	bottle	25,350
Family Food Pack	34,260	Pack	16,747,478.4
Family Tent	5	piece	81,000
Hot Meals	0		17,000
Hygiene kit	2,607	set	3,437,980.24
Modular Tent	325	piece	1,469,000
Others	0		10,000
Rice	8	sacks	0
Sleeping Kits	2,357	set	2,724,033.75
bath towels, pancit dry, biscuits, rice	0		92,380

family kit, hygiene kit	428	piece	973,720.73
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Source: DSWD V DROMIC Report as of 12 June 2023, 12:00 PM

NDRRMC Response Cluster Essential Elements of Information for Mayon Volcano Activity

As of 12 June 2023; 11:59PM



FOOD AND NON-FOOD ITEMS (F/NFIS)

STANDBY FUNDS AND
PREPOSITIONED RELIEF
STOCKPILE

Php2,570,811,491.01
from DSWD and OCD

COST OF HUMANITARIAN
ASSISTANCE

Php29,652,608.02

of which, Php27,847,199.49 from
DSWD, Php309,052.80 is from OCD,
Php10,000.00 from the Local
Government Unit (LGU),
Php973,720.73 from the Non-
Government Organizations, and
Php512,635.00 from the other
Partners.



CAMP COORDINATION AND CAMP MANAGEMENT (CCCM) and INTERNALLY DISPLACED PERSONS PROTECTION (IDPP)

SERVED INSIDE EVACUATION
CENTERS

**3,878 families or 13,778
persons**

in 22 evacuation centers in Albay



HEALTH

LOGISTICAL SUPPORT
PREPOSITIONED

Php77,427,853.66

in CHD V (Bicol) Warehouse, DOH
Central Office Warehouse, and at PHO
Albay.



EMERGENCY TELECOMMUNICATIONS (ETC)

RESOURCES PREPOSITIONED

1
from DICT



LAW AND ORDER (LAO)

RESOURCES DEPLOYED

**289 personnel and 135
assets**

in Guinobatan Community Center
(Evacuation Center)/ Brgy. Maninila/
Muladbucad Pequiño/ Tandarora
(Evacuated Areas) zone 4, Bonbon,
Brgy Pantao



LOGISTICS

ASSETS DEPLOYED

66

from OCD, WFP, and DSWD which are deployed to deliver cargo to Albay.



SEARCH, RESCUE AND RETRIEVAL (SRR)

SRR TEAMS ON STANDBY

48

from AFP

SRR ASSETS ON STANDBY

145

of which 17 are air assets, 100 are lands assets, and 28 are water assets from the AFP and BFP.



EDUCATION

SCHOOLS USED AS EVACUATION CENTERS

14

being used as evacuation centers in Albay and Tabaco City.

AFFECTED POPULATION as of (June 13, 2023 08:00)

REGION PROVINCE CITY/ MUNICIPALITY BARANGAY		NO. OF AFFECTED			No. of ECs		Inside Evacuation Centers				Outside Evacuation Centers				TOTAL SERVED (CURRENT)			
		Brgys.	Families	Persons	CUM	NOW	Families		Persons		Families		Persons		(Inside + Outside)			
							CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	Families	Persons	Families	Persons
		CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM	NOW	CUM
GRAND TOTAL	6	21	3,876	13,811	21	21	3,701	3,701	13,179	13,179	175	175	632	632	3,876	3,876	13,811	13,811
REGION 5	6	21	3,876	13,811	21	21	3,701	3,701	13,179	13,179	175	175	632	632	3,876	3,876	13,811	13,811
ALBAY	6	21	3,876	13,811	21	21	3,701	3,701	13,179	13,179	175	175	632	632	3,876	3,876	13,811	13,811
Camalig	1	4	929	3,203	5	5	921	921	3,179	3,179	8	8	24	24	929	929	3,203	3,203
		4	929	3,203	5	5	921	921	3,179	3,179	8	8	24	24	929	929	3,203	3,203
Ligao	1	1	57	220	1	1	57	57	220	220	0	0	0	0	57	57	220	220
		1	57	220	1	1	57	57	220	220	0	0	0	0	57	57	220	220
Daraga	1	4	741	2,739	5	5	574	574	2,131	2,131	167	167	608	608	741	741	2,739	2,739
		4	741	2,739	5	5	574	574	2,131	2,131	167	167	608	608	741	741	2,739	2,739
Guinobatan	1	3	812	2,776	2	2	812	812	2,776	2,776	0	0	0	0	812	812	2,776	2,776
		3	812	2,776	2	2	812	812	2,776	2,776	0	0	0	0	812	812	2,776	2,776
Malilipot	1	3	899	3,270	3	3	899	899	3,270	3,270	0	0	0	0	899	899	3,270	3,270
		3	899	3,270	3	3	899	899	3,270	3,270	0	0	0	0	899	899	3,270	3,270
Tabaco	1	6	438	1,603	5	5	438	438	1,603	1,603	0	0	0	0	438	438	1,603	1,603
		6	438	1,603	5	5	438	438	1,603	1,603	0	0	0	0	438	438	1,603	1,603

CLASS SUSPENSION as of (June 13, 2023 08:00)

REGION PROVINCE CITY/ /MUNICIPALITY BARANGAY		LEVEL FROM	LEVEL TO	TYPE	DATE OF SUSPENSION	TIME OF SUSPENSION	DATE RESUMED	TIME RESUMED	REMARKS
GRAND TOTAL	6								
REGION 5	6								
ALBAY	6								
Camalig	1								
		Pre-school	Primary	Public	08 June 2023		08 June 2023		suspension of in-person classes only. Shifted to modular learning modality
Malilipot	1								

REGION PROVINCE CITY /MUNICIPALITY BARANGAY		LEVEL FROM	LEVEL TO	TYPE	DATE OF SUSPENSION	TIME OF SUSPENSION	DATE RESUMED	TIME RESUMED	REMARKS
		Pre-school	Primary	Public	09 June 2023		08 June 2023		suspension of in-person classes only. Shifted to modular learning modality
Daraga (Locsin)	1								
		Pre-school	Primary	Public	08 June 2023		08 June 2023		suspension of in-person classes only. Shifted to modular learning modality
Tabaco	1								
		Pre-school	Primary	Public	08 June 2023		08 June 2023		Shifted to modular learning modality
Ligao	1								
		Pre-school	Primary	Public	09 June 2023		09 June 2023		suspension of in-person classes only. Shifted to modular learning modality
Guinobatan	1								
		Pre-school	Primary	Public	08 June 2023		09 June 2023		suspension of in-person classes only. Shifted to modular learning modality

DECLARATION OF STATE OF CALAMITY as of (June 13, 2023 08:00)

REGION PROVINCE CITY /MUNICIPALITY BARANGAY		TYPE	RESOLUTION NUMBER	RESOLUTION DATE	REMARKS
GRAND TOTAL	18				
REGION 5	18				
ALBAY	18				
Province-Wide	18				
		Province	0607-2023	09 June 2023	

PRE-EMPTIVE EVACUATION (ANIMALS) as of (June 13, 2023 08:00)

REGION PROVINCE CITY /MUNICIPALITY BARANGAY		CLASSIFICATION	TYPE	QUANTITY (No. of heads)	REMARKS
GRAND TOTAL	5			89	
REGION 5	5			89	
ALBAY	5			89	
Daraga (Locsin)	2			81	
		Livestock	Carabao	41	
		Livestock	Cattle	40	
Malilipot	3			8	
		Livestock	Carabao	2	
		Livestock	Cattle	2	
		Livestock	Goat	4	

ASSISTANCE PROVIDED as of (June 13, 2023 08:00)

REGION PROVINCE CITY /MUNICIPALITY BARANGAY		SOURCE	QUANTITY	UNIT	TYPE	PARTICULARS	COST(PHP)
GRAND TOTAL	33						25,617,943.12
REGION 5	33						25,617,943.12
ALBAY	33						25,617,943.12
Bacacay	1						450,000
		DSWD	1000	Pack	Family Food Pack		450,000
Camalig	7						4,645,872.48
		DSWD	5000	Pack	Family Food Pack		2,370,000
		DSWD	25	piece	Modular Tent		113,000
		DSWD	2	piece	Family Tent		32,800
		LGU	8	sacks	Rice		0
		DSWD	831	set	Hygiene kit		1,034,702.48
		DSWD	831	set	Sleeping Kits		1,055,370
		Private	0		Dinner		40,000
Daraga	5						5,122,293.2
		DSWD	7500	Pack	Family Food Pack		3,598,750
		DSWD	300	bottle	Distilled water 6L		25,350
		DSWD	615	set	Hygiene kit		787,793.2
		DSWD	615	set	Sleeping Kits		678,600

REGION PROVINCE CITY /MUNICIPALITY BARANGAY		SOURCE	QUANTITY	UNIT	TYPE	PARTICULARS	COST(PHP)
		DSWD	2	piece	Family Tent		31,800
Guinobatan	7						5,997,714
		DSWD	7000	Pack	Family Food Pack		4,209,100
		DSWD	654	set	Hygiene kit		959,892
		DSWD	654	set	Sleeping Kits		795,322
		DSWD	1	piece	Family Tent		16,400
		Private	0		Hot Meals		5,000
		Private	0		Hot Meals		10,000
		Private	0		Hot Meals		2,000
City of Ligao	4						572,964.31
		DSWD	1000	Pack	Family Food Pack		450,000
		DSWD	57	set	Hygiene kit		69,772.56
		DSWD	57	set	Sleeping Kits		43,191.75
		LGU	0		Others		10,000
Malilipot	4						4,364,229.13
		DSWD	7260	Pack	Family Food Pack		3,298,128.4
		NGO	298	piece	family kit, hygiene kit		704,025
		NGO	130	piece	family kit, hygiene kit		269,695.73
		Private	0		bath towels, pancit dry, biscuits, rice		92,380
Santo Domingo	1						450,000
		DSWD	1000	Pack	Family Food Pack		450,000
Tabaco City	4						4,014,870
		DSWD	4500	Pack	Family Food Pack		1,921,500
		DSWD	450	set	Hygiene kit		585,820
		DSWD	200	set	Sleeping Kits		151,550
		DSWD	300	piece	Modular Tent		1,356,000