

BULUSAN VOLCANO ALERT LEVELS

ALERT LEVEL

CRITERIA

INTERPRETATION/

RECOMMENDATION

0

Quiet or No Alert

All monitored parameters within background levels. Unremarkable level of volcanic earthquakes occur

Quiescence; no magmatic eruption is foreseen. However (explosions, hazards and landslides) that may

1

Low Level of Volcanic Unrest

Slight increase in volcanic earthquake and steam/gas activity. Sporadic explosions from existing or new

Hydrothermal, magmatic, or tectonic disturbances. The source of activity is shallow, near crater or in t

2

Moderate Level of Volcanic Unrest

Elevated levels of any of the² following: volcanic earthquake (M₂) emissions increased level of volcanic

Probable intrusion of magma at depth, which can lead to magmatic eruption. Entry within PDZ must be

3

High Level of Volcanic Unrest

Sustained increases in the levels of volcanic earthquakes, some may be perceptible. Occurrence of lo

Magma is near or at the surface, and activity could lead to hazardous eruption in weeks. Danger zones

4

Hazardous Eruption Imminent

Intensifying unrest characterized by earthquake swarms and volcanic tremor, many perceptible. Frequent

Magmatic processes or effusive eruption underway, which can progress into highly hazardous eruption

5

Hazardous Eruption in Progress

Magmatic eruption characterized by explosive production of tall ash-laden eruption columns, or by massive

Life-threatening eruption producing volcanic hazards that endanger communities. Additional danger are

STAND-DOWN PROCEDURES In order to minimize unnecessary changes in declaration of Alert Levels, the following periods shall be observed: From

Level 5 to Level 4: Wait at least 24 hours after hazardous activity stops

From Level 4 to Level 3 or 2: Wait at least 2 weeks after activity drops below Level 4

From Level 3 to Level 2: Wait 2 weeks after activity drops below Level 3

BULUSAN VOLCANO OBSERVATORY

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1

Lahars may be generated by intense rainfall over the volcano area and may affect riverside communities far down the PDZ.

2

Sulfur Dioxide is a major gas component of magma.

Revised 25 September 2014.

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