

**Volcanic Warnings/Forecasts  
for volcanoes where Volcanic Alert Levels are not applied.**

Abbreviated Term	Target area	Explanation
<b>Warning</b>	Residential areas	Warnings in residential areas and non-residential areas near the crater
<b>Near-crater Warning</b>	Non-residential areas near the crater	Warnings in non-residential areas near the crater
	Around the crater	Warnings around the crater
<b>Forecast</b>	Inside the crater	Calm (normal conditions)

\*Designated areas are described in literature such as regional disaster prevention plans.

## Tips for dealing with volcanic disasters

Examine volcanic hazard maps and be aware of the danger zones for each alert level.



Check evacuation locations beforehand.



Call the municipal office, police or weather station immediately if you notice abnormal volcano-related phenomena.



Pay attention to volcanic warnings/forecasts issued by JMA.



Evacuate from dangerous zones as quickly as possible if an eruption is imminent.



Follow orders issued by municipalities.



Protect yourself from falling ash deposits by hiding behind a large rock or in a reinforced building.



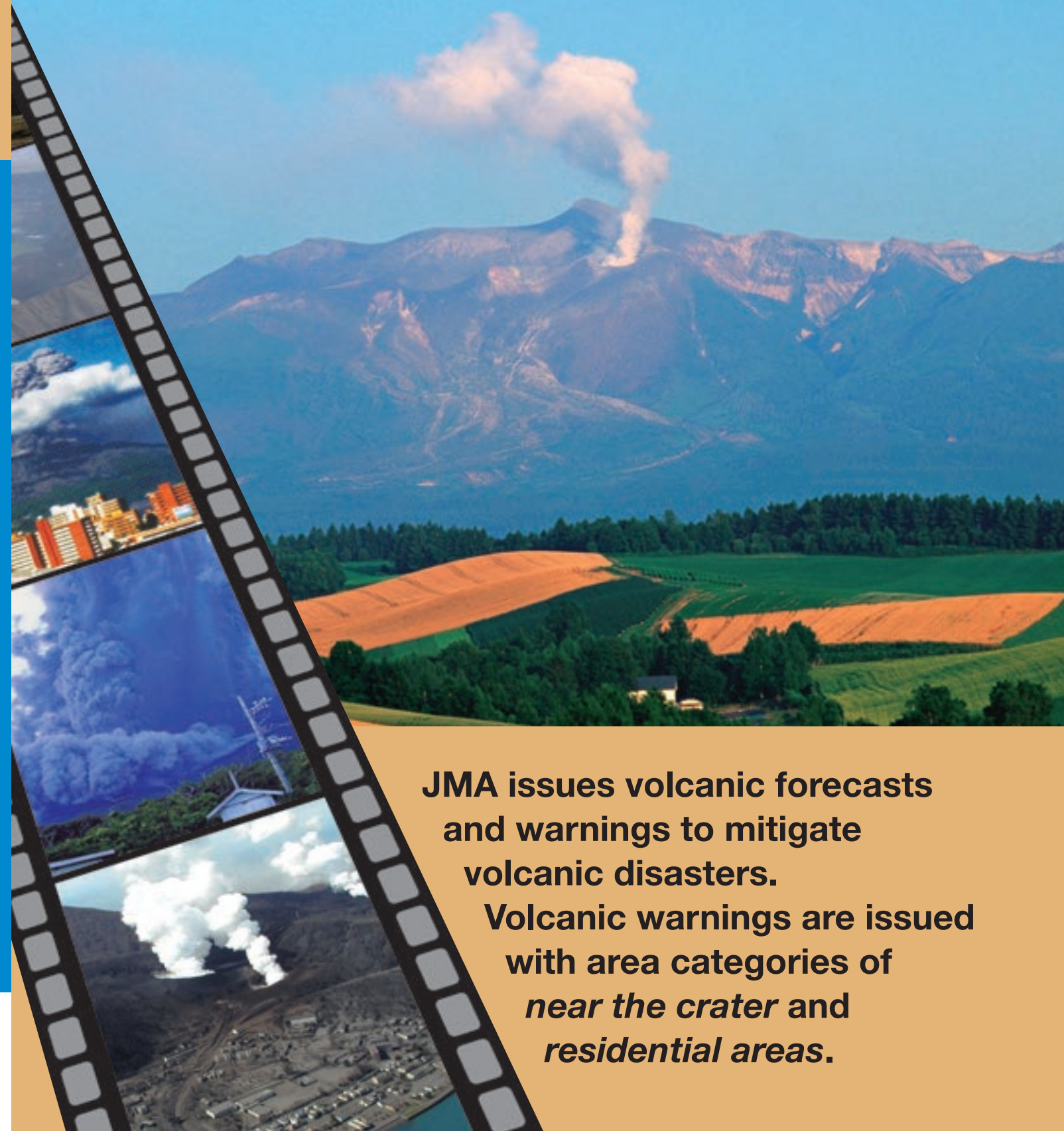
Evacuate from the path of pyroclastic flows or moving debris.



Make trekking plans in consideration of areas where toxic gases and steam may be present.



# JMA Volcanic Warnings and Volcanic Alert Levels



**JMA issues volcanic forecasts and warnings to mitigate volcanic disasters.**  
Volcanic warnings are issued with area categories of *near the crater* and *residential areas*.



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# What is a Volcanic Warning?

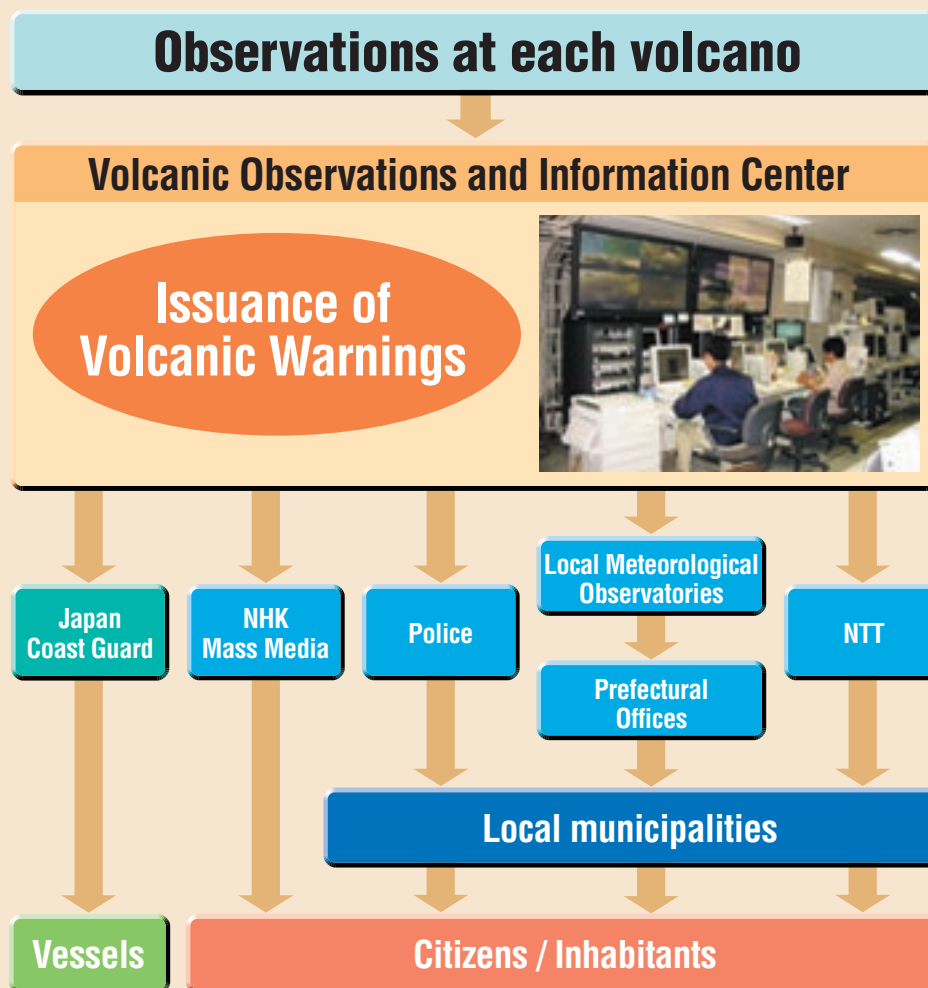
- Volcanic Warnings are issued in relation to expected volcanic disasters, and detail the names of the affected areas.
  - To residential areas\*  
Volcanic Warning (to residential areas) (abbreviated to *Warning*)
  - To non-residential areas near the crater\*
  - Around the crater  
Volcanic Warning (near the crater) (abbreviated to *Near-crater Warning*)

\*Designated areas are described in literature such as regional disaster prevention plans.

- Volcanic forecasts are issued when a volcano is/becomes calm.
- Volcanic warnings make it possible to keep residents informed.  
Present volcanic activity, such as the number of volcanic tremors, is described in the Explanation of Volcanic Activity. Previous volcano information (Volcanic Alerts, Volcanic Advisories, Volcanic Observation Reports) has been abolished.

## Dissemination of Volcanic Warnings






Volcanic Warnings are issued to residents through the media, prefectural offices and local municipalities.



# Volcanic Alert Levels in Volcanic Forecasts/Warnings

- Volcanic Alert Levels are classified into five levels in terms of the target area and action to be taken, and these are described as action summary keywords.
- Clear action summary descriptions enable residents to take quick and appropriate action against disasters.
- Warnings are issued to residential areas when levels are 4 or 5.
- Near-crater Warnings are issued to areas around the crater when levels are 2, and to non-residential areas near the crater when levels are 3.

\*Designated areas are described in literature such as regional disaster prevention plans.

Abbreviated Term	Target area	Levels & Keyword	Explanation		
			Expected volcanic activity	Action to be taken by inhabitants *1	Action to be taken by climbers *1
Warning	Residential areas	Level 5 Evacuate	 Eruption that may cause serious damage in residential areas, or imminent eruption.	Evacuate from the danger zone <sup>2</sup> . (Target areas and evacuation measures are determined in line with current volcanic activity.)	
		Level 4 Prepare to evacuate	 Possibility or increasing possibility of eruption that may cause serious damage in residential areas.	Prepare to evacuate from alert areas <sup>2</sup> . Let disabled persons evacuate. (Target areas and evacuation measures are determined in line with current volcanic activity.)	
Near-crater Warning	Non-residential areas near the crater	Level 3 Do not approach the volcano	 Eruption or possibility of eruption that may severely affect places near residential areas (threat to life is possible in these areas).	Stand by, paying attention to changes in volcanic activity. Let disabled persons prepare to evacuate in line with current volcanic activity.	Refrain from entering the danger zone. (Target areas are determined in line with current volcanic activity.)
	Around the crater	Level 2 Do not approach the crater	 Eruption or possibility of eruption that may affect areas near the crater (threat to life is possible in these areas).		Refrain from approaching the crater. (Target areas around the crater are determined in line with current volcanic activity.)
Forecast	Inside the crater	Level 1 Normal	 Calm: Volcanic ash emissions or other related phenomena may occur in the crater (threat to life is possible in these areas).	Stay as usual.	No restrictions. (In some cases, it may be necessary to refrain from approaching the crater.)