# Taranaki Maunga **OTHER VOLCANIC PROCESSES**

## **Flying hot rocks** BALLISTICS

Ballistics are flying rocks ejected during an eruption.

#### Where will ballistics go?

Ballistics are confined to the upper slopes of the volcano, within 6 km from the top. The map shows the area where ballistics may happen during a future eruption.

### **Ballistic zones**



## Hot flowing molten rock LAVA FLOWS

Lava flow zones

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Lava flows are streams of molten rock that > Lava flows are su carries of merced by pour from an eruption flowing down slopes.

### Where will lava flows go?

- Lava flows usually start higher up on the maunga, flowing down valleys over time.
- They are likely to happen in areas that are within 8 km from the top.

20 Km



Highest likelihood

Lowest likelihood

What should you do

if you see lava

coming towards

you?

Leave the area and head

down the volcano immediately.

Avoid any valleys or low

points as you're leaving.

Moderate likelihood

Volcanic gases are often released As magma rises it releases: before, during and after an eruption. Water (H₂O) Hydrogen Sulphide Gas area Sulphur Dioxide (SO₂) Carbon Dioxide (CO<sub>2</sub>) Wind controls the The International Volcanic Health Hazard Netw and other gases. direction of gases (IVHHN) has more useful information on their ite: www.ivhhn.org/ Where will gases go? What should you do if you smell or are Dangerous amounts of gases usually only occur very close warned of volcanic gases? Areas affected will depend on the wind direction. 1 Stay indoors. Close all una Loa volcano, Hawai' doors and windows, and seal up large gaps to the **Main impacts** outdoors. 2

- to the volcano.



Volcanic gases can form a weak acid rain or volcanic fog, called **vog.** 

Volcanic gases are usually an irritant, but worsen symptoms for people who have pre-existing health conditions.

These maps do not show the exact areas or the level to which areas will be impacted in a future eruption. Volcanic activity may change the features on this map and hazard zones may change without notice.





Taranaki volcano Infographic series: 6. Other processes





Be aware that P2/N95-rated masks provide no protection against volcanic gases



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**People with pre-existing** health conditions should carefully monitor their health and contact their doctor as necessary.

See the whole series from Taranaki Emergency Management at cdemtaranaki.govt.nz



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