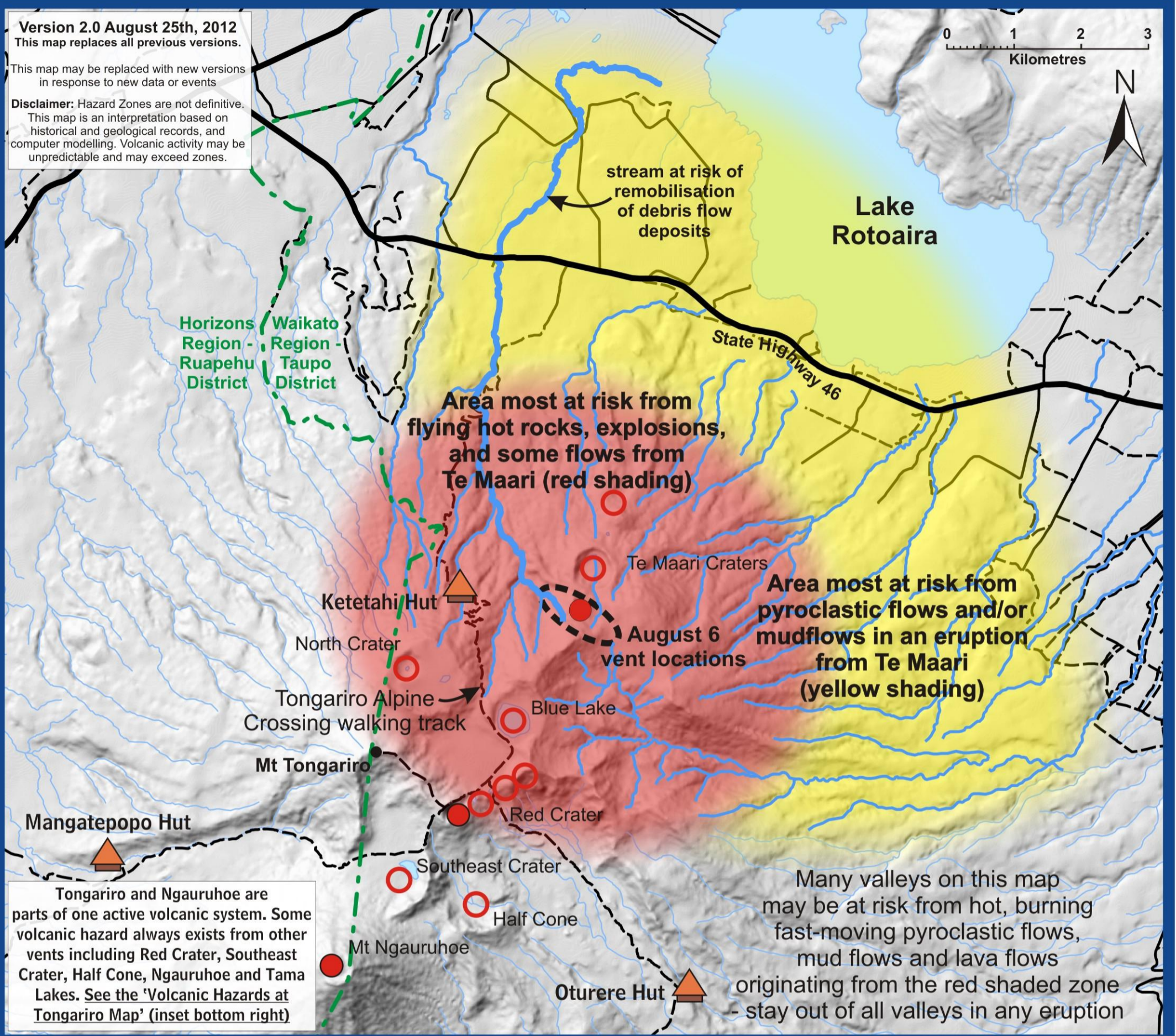


TE MAARI ERUPTION PHENOMENA

Version 2.0 August 25th, 2012
This map replaces all previous versions.

This map may be replaced with new versions in response to new data or events

Disclaimer: Hazard Zones are not definitive. This map is an interpretation based on historical and geological records, and computer modelling. Volcanic activity may be unpredictable and may exceed zones.



Tongariro and Ngauruhoe are parts of one active volcanic system. Some volcanic hazard always exists from other vents including Red Crater, Southeast Crater, Half Cone, Ngauruhoe and Tama Lakes. See the 'Volcanic Hazards at Tongariro Map' (inset bottom right)

Many valleys on this map may be at risk from hot, burning fast-moving pyroclastic flows, mud flows and lava flows originating from the red shaded zone - stay out of all valleys in any eruption

WHAT TO DO!

If there are any signs of an eruption (earthquakes, rumbling, ash-steam cloud or flying rocks):

- Seek immediate shelter from flying rocks if an explosion occurs.
- Move as quickly as possible off the mountain away from the Summit and Flow Hazard Zones.
- Stay on ridges, out of valleys and out of the yellow flow hazard zone - move away from the eruption vent.
- Know where the safer areas are (ridge lines outside of the coloured Summit and Flow Hazard Zones).

VOLCANIC HAZARDS

SUMMIT HAZARDS

- During an eruption there may be gas, flying rocks and flows from recent or new eruption vents, especially within the red shaded Summit Hazard Zone. This zone includes Ketetahi Hut.

PYROCLASTIC FLOWS & MUDFLOWS

- Eruptions may generate very hot pyroclastic flows of ash, rock and gas (burning ground-hugging clouds). They also generate mud flows. Both move down slopes very fast - High risk in the yellow shaded 'Flow Hazard Zone' and part of the red shaded 'Summit Hazard Zone'

LAVA FLOWS

- Lava flows of molten rock are very hot but do not move as fast as pyroclastic flows.

ASH FALL & LIGHTNING

- Any place on this map is at risk from ash fall in an eruption - this will obscure vision and make it hard to breathe, but is non-lethal. Lightning may occur in eruptions and can be lethal.

LEGEND

SUMMIT HAZARD ZONE

3km radius around the August 6 vents

FLOW HAZARD ZONE

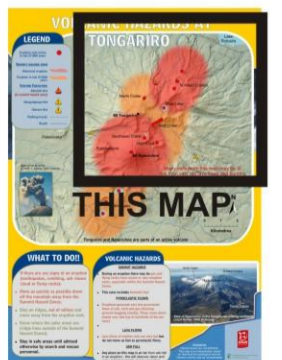
Pyroclastic flow & mudflow hazard From computer modelling

Stream with elevated flow hazard

Eruption vent active in last 500 years

in last 27,000 years

This hazard map applies to the vents active during the 2012 eruptive episode in the Te Maari area. It focuses on potential volcanic hazards should another eruption occur in that part of the mountain. It should be read in conjunction with the generic "Volcanic hazards at Tongariro map".



Central Plateau
Volcanic Advisory Group
Main agencies involved in this map:

