

## **Volcanic Warning and Forecast: Mt. Zao**

**Name of Volcano: Mt. Zao <Volcanic warning (for areas near the crater)>**

Issued by the Sendai District Meteorological Observatory at 2:38 p.m., January 30, 2018

<Near-crater warning (volcanic alert level 2, do not approach the crater) was issued for Mt. Zao>

Possibility of small-scale eruptions. Caution is advised within an approximately 1.2 km radius from the predicted crater area.

<Volcanic alert level has been raised from level 1 (potential for increased activity) to level 2 (do not approach the crater)>

### **1. Volcanic Activity and Warnings**

On Mt. Zao, volcanic tremors were observed once on the 28<sup>th</sup> and twice on the 30<sup>th</sup> (around midnight and 2 p.m.). The amplitude of the volcanic tremor observed today from 2:18 p.m. to 2:31 p.m. was the largest yet.

According to the inclinometer installed at the Bodaira observation point, crustal movements on the southern side of the summit continues to be observed.

It is possible that small-scale eruptions will occur on Mt. Zao. Please be cautious of large volcanic debris that may fly out during an eruption and land within a 1.2 km radius from the predicted crater area (Umanose Caldera).

### **2. Affected Municipalities**

The following municipalities located near the crater area should refrain from approaching the crater and remain on alert:

Miyagi Prefecture: Zao Town, Shichikashuku Town, Kawasaki Town

Yamagata Prefecture: Yamagata City, Kaminoyama City

### **3. Disaster Prevention**

Please be cautious of large volcanic debris that may fly out during an eruption and land within a 1.2 km radius from the predicted crater area (Umanose Caldera).

Please follow instructions issued by your local government and stay away from dangerous areas.

Be careful of volcanic ash and small rocks, which can reach distant areas when blown by the wind.

<Volcanic alert level has been raised from level 1 (potential for increased activity) to level 2 (do not approach the crater)>

**\*\*About Volcanic Alert Levels\*\***

Level 5 (Evacuate): Evacuate from areas in the danger zone.

Level 4 (Prepare to evacuate): Prepare to evacuate from alert areas. Evacuate individuals who need more assistance.

Level 3 (Do not approach the volcano): Do not enter danger zones (entering the mountain, mountain climbing, etc.). Depending on the situation, prepare to evacuate individuals who need more assistance.

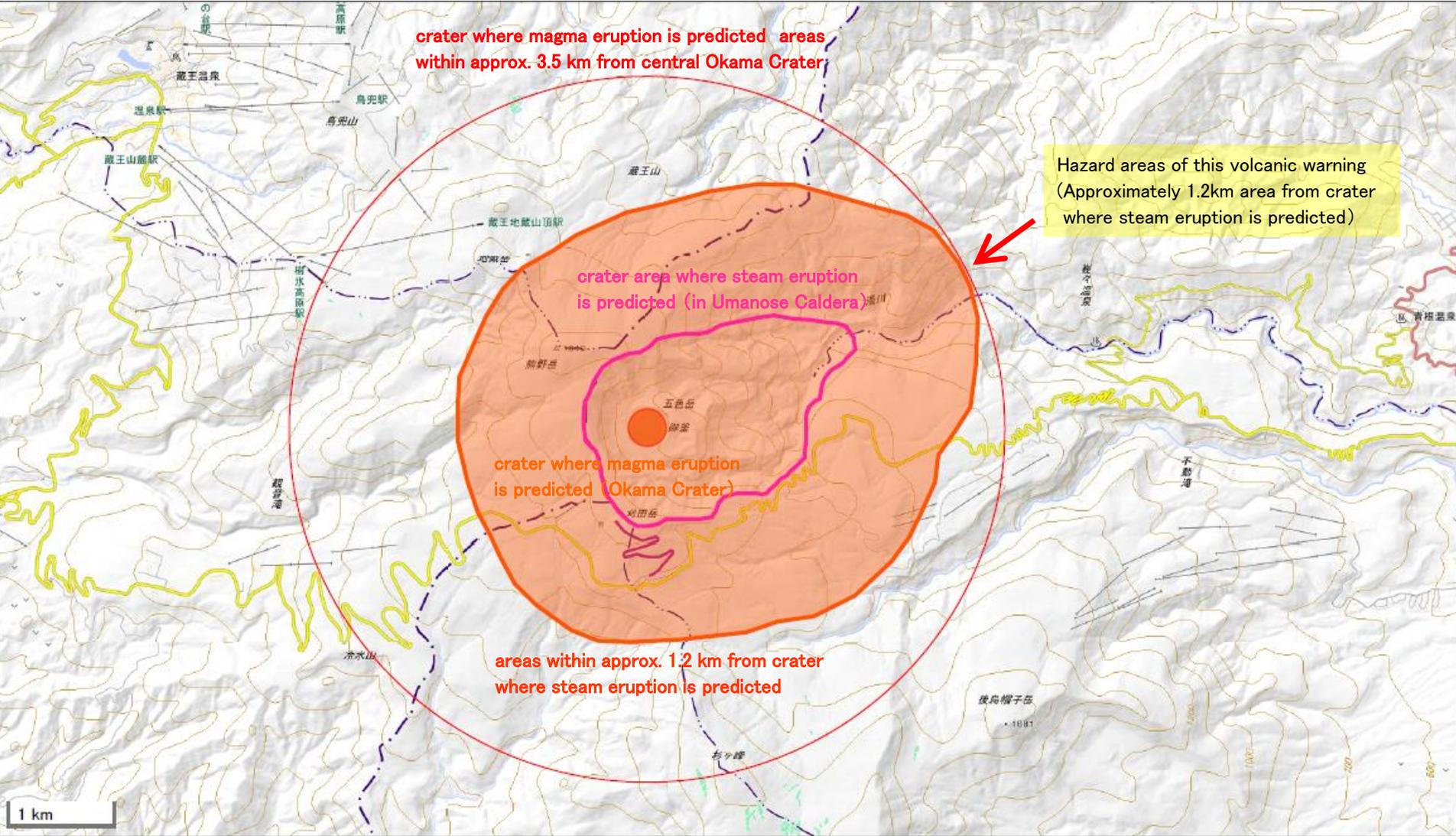
Level 2 (Do not approach the crater): Do not approach areas around the crater.

Level 1 (Potential for increased activity): Depending on the situation, it may be necessary to refrain from approaching areas around the crater.

(Warning: Areas where evacuations or restrictions are issued may differ depending on the surrounding region and volcanic activity.)

For more information, please refer to the Japan Meteorological Agency website:

<http://www.jma.go.jp/en/volcano/>



crater where magma eruption is predicted areas within approx. 3.5 km from central Okama Crater

Hazard areas of this volcanic warning (Approximately 1.2km area from crater where steam eruption is predicted)

crater area where steam eruption is predicted (in Umanose Caldera)

crater where magma eruption is predicted (Okama Crater)

areas within approx. 1.2 km from crater where steam eruption is predicted

1 km