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Media Release

October 3, 2024

Mount Adams Recent Earthquakes Information

The U.S. Geological Survey (USGS) Cascades Volcano Observatory (CVO), and the Pacific Northwest Seismic Network (PNSN) released an [Information Statement](#) in regards to the recent earthquake activity at Mount Adams.

The Klickitat County Department of Emergency Management (KCDEM), Klickitat County Fire District 1 (KCFD) along with other stakeholders, including but not limited to Clark, Skamania, and Yakima Counties, and the Yakama Nation were briefed by the CVO and PNSN. KCDEM, KCFD #1 are participating in a Joint Information System (JIS) with the other stakeholders to ensure that you receive information in a timely manner. In 2014, the Mount St. Helens - Mount Adams Regional Coordination Plan (Plan) was developed and all Stakeholders will use this plan to coordinate their efforts.

The nine (9) earthquakes recorded in 2024 have been small ranging from a magnitude of .09 to 2.0 (Figure 1). Although this is an increase in activity there is no indication that the level of earthquake activity is a cause for concern. The alert level and color code for Mt Adams remain GREEN/Normal (Figure 2). Satellite imagery of Mt Adams does not indicate any detectable ground deformation at the volcano. Ground deformation is an important indicator about what is happening below the surface of the volcano and the fact that there are no signs of deformation is a good sign. Ground deformation could include swelling, cracks in the surface, and noticeable ground movement.

To improve seismic monitoring activities the CVO and PNSN will be installing additional seismic stations to assist the one (1) permanent station located approximately 6.5 miles from the summit of Mt Adams. One (1) temporary station will be placed south of Mt Adams, and one (1) in the Glenwood, WA area. The data recorded will be transmitted in real-time to the CVO and PNSN. This data will give a better understanding of the size, location, and depth of any additional earthquakes.

KCDEM recognizes the importance of Mt. Adams volcanic activity to our local residents. For several years KCDEM has been working with local residents, state, and federal partners to test, find funding, and implement an acoustic lahar detection system. Continued engagement is necessary to fund, develop, and implement this important detection system along with a public alert and warning component.

KCDEM will continue to provide updates when new information becomes available.

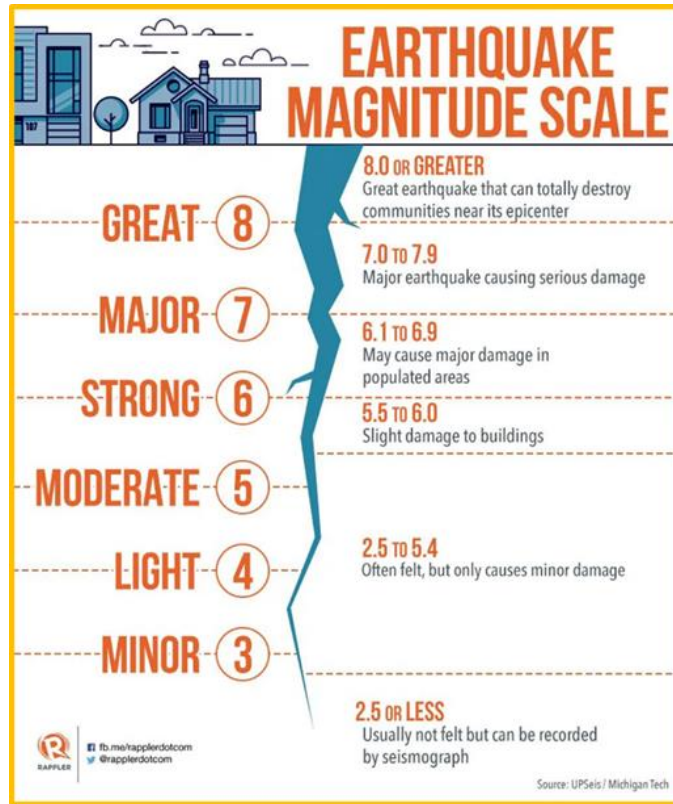


Figure 1

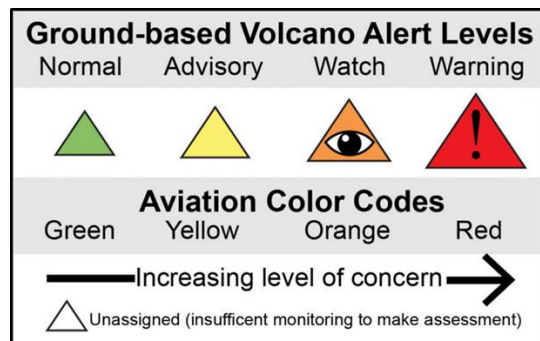


Figure 2

References

Cascades Volcano Observatory Information Statement (20241003_1237) - <https://www.usgs.gov/programs/VHP/volcano-updates#cvo>

To Subscribe to the Volcano Notification Service <https://volcanoes.usgs.gov/vns2/subscribe>

Sign up for Klickitat County Emergency Notifications through our website <https://www.klickitatcounty.org/249/Emergency-Management>