

	EXPLAN	EXPLANATION		
This vo hazard near events. Eru likely, of la flows that of altered roch occur with also produc	This volcano-hazards-zonation map delineates the relative degree of ard near Mount Hood from future eruptions and other hazardous geologic nts. Eruptive events are characterized by extrusion of lava domes and, less ly, of lava flows. Collapse of growing lava domes generates pyroclastic vs that can melt snow and ice to produce lahars and floods. Landslides of red rock from high on Mount Hood can be triggered by eruptions, but can also ur without eruptive activity. Such landslides, called debris avalanches, perceduce lahars. Eruptions of Mount Hood, as well as other volcances in the		Distal Hazard Zones Valleys heading on Mount Hood Marks along the valley floor show size used to define zones DA and of vent location, event magnitude	
Cascade Ra affect areas Bounda Rather, the	ange, generate tephra clouds that are transported by wind and can s hundreds of kilometers (hundreds of miles) away. aries between hazard zones do not represent sharp changes in hazards. the degree of hazard decreases gradually in a down–valley direction and ly as height above valley floors increases.		Hazard zone DA — Areas that are subject to lahars ge Crater Rock and to debris upper flanks on west and s of inundation of a substant [4, 5]	
Numerals in brackets refer to end notes in booklet. Proximal Hazard Zones			Hazard zone DB — Areas by eruptions at vents locate avalanches and related laha probability of inundation of 300 [4, 6]	
Areas subject to rapidly moving, devastating pyroclastic flows and surges, lahars, and debris avalanches that can sweep out to the hazard boundary in less than 30 minutes. Also subject to ballistic projectiles and lava flows. Subdivided into two zones depending on vent location.			Areas along Sandy and Ho and lahar of about 500 mil the largest magnitude even probability of such an ever	
	Hazard zone PA — vent at or near Crater Rock, which is considered the most likely case during future eruptions. The 30–year probability of an eruption affecting a substantial portion of zone is estimated to be 1 in 15 to 1 in 30 [4]		Columbia River islands an affected by bank erosion a floods from Sandy and Ho	
	Hazard zone PB — vent on east, north, or west flank, or the summit (a summit vent also would endanger zone PA). The 30–year probability of an eruption affecting a substantial portion of zone is estimated to be about 1 in 300 [4]	(1:30) Y	Estimated travel time for l Diversion structure for irri	
	Major valleys that pyroclastic flows and lahars would follow from lava-dome collapses on the upper flanks or summit. As an eruptive episode progresses, one or more of these valleys might become filled with debris, so that pyroclastic flows and lahars could then spill into adjacent valleys and affect a broader sector of a hazard zone. Also includes areas that are affected frequently (several times or more per century) by small lahars and debris avalanches generated by storms and rapid snowmelt		Conduit crossing for irriga Railroad bridge across Wh	
			Major electric-power trans Boundaries of municipal v	

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