

	Origin	Location	Size	Effects	Predictable	Frequency	Risk
<b>Ash flows</b>	Explosive eruption,	Valleys	Few km <sup>2</sup>	Impact	Yes	Several per	Moderate
<b>Mud Flows</b> (hazards with fluid dynamics)	central vent volcano, melting snow		to 100 km <sup>2</sup>	damage burial, burning, flooding		century	(predictability, relative sm. size, follows channels)
<b>Lava flows</b>	Non-explosive eruption	Downslope, < 10 km from vent	Small	Burial, structural damage, burial, fires	Yes	1 in 1000 years for a devastating event	Low for people, high for property
<b>Ash Falls</b>	Vertical or low angle	Wind patterns	10's to 100's	Burial,	Moderately-	Few every 100 yrs.	Moderate to
<b>Lateral Blasts</b>	blasts which can occur suddenly.	important.	of km <sup>2</sup>	abrasion, infiltration, acid leaching	due to unpredictable wind patterns	Large ones- every 1000-5000 yrs. Very large ones- every 500-1,000,000 yrs.	people and property in close proximity to eruption.
<b>Gases</b>	Ejecta carried by wind.	Can be widespread.					