

Attachment 1. Compilation of all volcanoes where vegetative communities have been studied on deposits post volcanic debris avalanche (VDA), with associated publications.

Volcano	Year of VDA	Area of deposit	Elevation (m)	Zone	Annual Precip (mm)	Referenced studies
Mount St. Helens	1980	60 km ²	360-1130	Temperate	2370	A. B. Adams et al., 1987; A.B. Adams et al., 1987b, 1987a; Adams and Dale, 1987; Adams and Adams, 1982; Bishop et al., 2010; Bishop and Schemske, 1998; Campbell, 2001; Che-Castaldo et al., 2015; Dale, 1992, 1991, 1989, 1987; Dale et al., 2005; Dale and Adams, 2003; Dale and Denton, 2018; del Moral and Clappitt, 1985; Haemmerle, 1984; Harrington et al., 1998; Kuzera et al., 2005; Lawrence, 2005, 1998; Lawrence et al., 2000; Lawrence and Ripple, 1999, 1998; Li, 2022; Martin et al., 1986; Marzen, 2001; Marzen et al., 2011; Sparkes, 2016; Teltscher and Fassnacht, 2018; Titus et al., 1998
Casita Volcano	1998	11.2 km ²	3300-3700	Tropical	1250	Velázquez et al., 2014; Velázquez and Gómez-Sal, 2009a, 2009b, 2008, 2007
Bezymianny	1956	35-40 km ²	700-900	Boreal	1400	Grishin, 2019, 2011, 1996
Mount Lassen	~1670	8 km ²	1912	Temperate	1086	Crandell et al., 1974; Heath, 1967; Kroh et al., 2008b; Parker, 1993, 1992, 1991
Mount Mageik	1912	10 km ²	690	Boreal	1524	Griggs, 1933, 1920; Jorgenson et al., 2004
Mount Fuji	~880 BCE	53 km ²	1500-2300	Temperate	2600	Ohsawa, 1984
Mt. Lamington	1951	13 km ²	1000	Tropical	3600	Taylor, 1957
Mt. Victory	1870	129 km ²	0-700	Tropical	2400	Taylor, 1957*
Ontake Volcano	1984	7 km ²	1100-2000	Temperate	2080	Nakashizuka et al., 1993
Shiveluch 14	1964	98 km ²	600	Boreal	860	Grishin et al., 2000
Shiveluch 13	~1400	200 km ²	600	Boreal	860	Grishin et al., 2000
Mount Taranaki	23,000 BP	320–500 km ²	853-1858	Temperate	6500	Clarkson, 1977; Lees, 1987b, 1987a; Moore, 2017
Mount Usu	Debated between 8K and 23K BP	22.5 km ²	500-600	Temperate	981	Végh and Tsuyuzaki, 2022
Mount Tongariro	2012	0.151 km ²	1325	Temperate	3500	McCann, 2017
Whakaari	1914	0.12 km ²	30	Temperate	1270-1524	Hamilton and Baumgart, 1959

*It's possible this is a pyroclastic flow instead. Evidence is inconclusive