

Supplement S1 to:

Magmatic evolution and magma chamber conditions of the Alpehué tephra from Sollipulli volcano, Andean Southern Volcanic Zone, Chile/Argentina

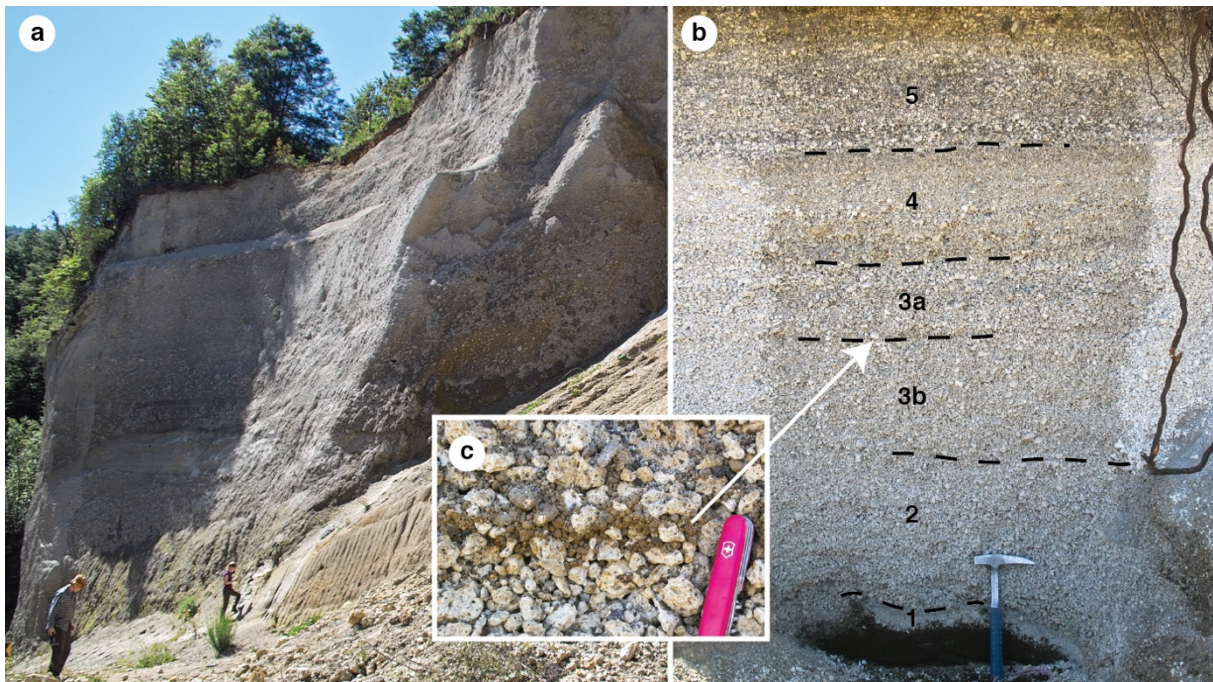
Contributions to Mineralogy and Petrology. Freundt A, Strehlow K, Kutterolf S, Schindlbeck-Belo J.

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1) Sample list and locations

Sample	Outcrop	Latitude	Longitude	Sample type	Tephra unit
C088	C031	-39,00505	-71,02528	main pumice	Alpehué Fallout
C091a	C033	-38,97386	-71,04397	main pumice	Alpehué Fallout
C163	C071	-39,06096	-71,69541	main pumice	Alpehué Fallout
C165	C072	-39,06485	-71,66011	main pumice	Alpehué Ignimbrite
C166				banded pumice	Alpehué Ignimbrite
C167a				dark gray speckled pumice	Alpehué Ignimbrite
C168				gray pumice	Alpehué Ignimbrite
C169				knobbly lava clast	Alpehué Ignimbrite
C172a	C073	-39,07236	-71,64624	main pumice	Alpehué Fallout
C175	C074	-39,06895	-71,62246	main pumice	Alpehué Ignimbrite
C176b				main pumice	Alpehué Fallout
C420	C209	-38,92165	-71,30750	main pumice	Alpehué Fallout
C421				dark crystal-rich pumice	Alpehué Fallout
JK003	C221	-38,93910	-71,32850	glomerocrystic clast	Alpehué Fallout
JK042	C237	-38,87925	-71,27802	obsidian	Alpehué Fallout
JK049	C242	-38,90542	-71,29436	glomerocrystic clast	Alpehué Fallout
JK050	C209	-38,92165	-71,30750	main pumice	Alpehué Fallout
JK051				main pumice	Alpehué Fallout
JK052				main pumice	Alpehué Fallout
JK053				main pumice	Alpehué Fallout
JK054				main pumice	Alpehué Fallout
JK054a				gray pumice	Alpehué Fallout
JK055				main pumice	Alpehué Fallout
JK056				main pumice	Alpehué Fallout
JK057a				main pumice	Alpehué Fallout
JK057b				banded pumice	Alpehué Fallout
JK057c				gray pumice	Alpehué Fallout
JK065				obsidian	Alpehué Fallout
JK066				glomerocrystic clasts, a-d: different clast types	Alpehué Fallout
JK068				banded pumice	Alpehué Fallout
JK075				knobbly lava, a-c: different clast types	Alpehué Fallout
JK079				pumice (b) with glomerocrystic fragment (a)	Alpehué Fallout
JK100				C221	-38,93910
JK107	C222	-38,96096	-71,34883	pumice (b) with glomerocrystic fragment (a)	Alpehué Fallout
JK109				plutonic lithic	Alpehué Fallout
JK110				knobbly lava	Alpehué Fallout
JK111				glomerocrystic clast	Alpehué Fallout
JK112				(a) gray pumice (b) knobbly lava	Alpehué Fallout
JK114				knobbly lava	Alpehué Fallout
JK125				(a) main pumice (b) knobbly lava	Alpehué Fallout
JK191				C257	-38,81791

2) Field photographs showing typical Alpehué tephra outcrops from which samples were collected.



(a) Alpehué ignimbrite composed of several flow units at location C072 southwest of Sollipulli. (b) Fallout sequence ~40 km east of Sollipulli (Loc. C033) subdivided into five units 1-5. Arrow points at position of brown accretionary lapilli ash layer. (c) Detail of that ash layer with smooth round accretionary lapilli.