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Article

# Contribution of the Paragenetic Sequence of Clay Minerals to Re-Examination of the Alteration Zoning in the Krafla Geothermal System

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**Table S1.** Rietveld quantification performed using the BGMN software (for more details, see [40]. Plg/Ol: plagioclases/oligoclase, Px: pyroxene, Smec: smectite, Chl: chlorite, Zeol: zeolite, Laum: laumontite, Wai: wairakite, Pyr: pyrite, Amf/Ep/Pren: amphiboles, epidote, prehnite.

ID	Depth m	CEC	meq /100g	Plg/Ol	Px	Smec	Chl	Zeol	Laum	Wai	Pyr	Other sulfides	Iron-Oxides	Titanite	Quartz	Calcite	Amf/Ep/	Pren	Other
L77	405		22.72	11.1%	2.4%	31.1%	13.4%	0.0%	0.0%	1.6%	0.0%	0.1%	0.0%	0.0%	20.8%	19.7%	0.0%		0.0%
L80	448		4.91	39.5%	26.0%	4.3%	10.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	13.4%	0.0%	0.0%		0.2%
L81	461.32		21.00	48.1%	26.9%	15.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	2.7%	0.0%	4.2%	0.0%	2.3%		0.0%
L82	486.5		5.75	42.1%	23.5%	7.1%	17.8%	0.0%	0.0%	0.0%	2.0%	0.4%	0.0%	3.7%	0.0%	3.5%	0.0%		0.0%
L85	499		4.00	46.0%	33.7%	9.6%	3.6%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%		0.0%
L86	501		6.48	39.2%	24.3%	8.7%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.2%	0.0%	0.0%		0.0%
L87	508.5		5.60	38.7%	31.5%	7.3%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	5.1%	4.3%	0.0%		0.0%
L89	515		5.10	47.9%	32.2%	4.3%	11.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%		0.0%
L91	537.2		8.40	36.8%	30.9%	17.2%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.5%	4.2%	0.0%		0.0%
L93	555		1.85	36.4%	22.9%	0.0%	6.5%	0.0%	0.0%	0.0%	0.0%	0.6%	1.9%	4.3%	23.6%	0.0%	3.9%		0.0%
L95	560		41.43	9.3%	4.4%	42.4%	0.0%	0.0%	0.0%	24.1%	0.0%	0.0%	0.0%	8.6%	0.0%	0.0%	4.1%		2.6%
L96	582.1		32.50	20.4%	11.8%	28.1%	3.8%	3.0%	0.0%	12.7%	1.1%	0.0%	0.0%	8.3%	0.9%	3.4%	6.6%		0.0%
L97	582		26.74	14.5%	10.4%	36.4%	0.0%	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	6.7%	0.1%	0.1%	7.2%		4.8%
L99	587		34.00	18.6%	0.0%	27.1%	12.3%	27.4%	0.0%	0.0%	0.0%	0.0%	0.0%	8.8%	0.0%	0.0%	4.5%		1.3%
L100	597.5		33.30	17.8%	10.5%	23.9%	5.8%	0.0%	0.0%	18.8%	1.0%	0.0%	0.5%	9.9%	1.6%	1.4%	5.0%		0.0%
L102	622.5		10.20	29.4%	5.2%	18.3%	21.6%	0.0%	0.0%	8.8%	0.0%	0.0%	0.0%	3.8%	0.0%	5.8%	5.0%		1.9%
L103	707.2		6.15	44.6%	19.9%	5.2%	12.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	6.0%	3.5%	0.0%	0.0%		6.4%
L104	724.3		22.57	41.3%	33.9%	17.9%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	1.0%	0.0%		0.0%
L105	727.3		25.75	12.4%	5.3%	22.8%	10.8%	0.0%	0.0%	31.2%	0.0%	0.0%	2.7%	7.0%	0.0%	0.0%	7.9%		0.0%
L106	297.8		1.04	47.9%	47.6%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%		0.0%
L107	305.1		21.07	13.5%	0.0%	17.8%	42.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	17.3%	8.1%	0.0%		0.0%
L108	338.1		10.32	39.7%	31.8%	19.7%	3.9%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	3.3%	1.5%	0.0%		0.0%
L109	350.6		7.46	49.1%	27.8%	14.3%	3.4%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	2.9%	2.5%	0.0%		0.0%
L110	356.3		9.46	4.4%	6.1%	9.9%	34.4%	0.0%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	20.6%	23.7%	0.0%		0.0%
L111	364.5		7.07	42.8%	4.4%	15.0%	20.5%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	9.3%	7.6%	0.0%		0.0%
L112	377.7		6.36	40.8%	4.3%	12.1%	17.5%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	14.4%	10.7%	0.0%		0.0%
L113	387		3.59	42.8%	8.1%	8.8%	24.1%	0.0%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	9.8%	6.1%	0.0%		0.0%
L114	394.2		2.63	47.9%	20.7%	5.9%	17.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	3.9%	0.0%		0.0%
115	403.1		6.20	34.2%	2.9%	11.0%	28.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.8%	10.3%	0.0%		0.0%