

APPENDIX 1

**SEM/EDS analyses of the main components of tuffite, the Kaczyce 2/07 borehole, depth: 650.1.
This method does not take into account the crystallisation water content**

Test no,	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	Na ₂ O	K ₂ O	BaO
<i>volcanic glass</i>							
K2/4-1a	77.75	13.55	0.13	1.02	3.51	2.15	1.68
K2/4-1b	78.07	13.60	0.29	1.32	3.38	1.78	1.36
K2/4-1e	78.14	13.45	0.00	0.96	3.33	2.07	1.91
K2/4-2d	77.73	13.57	0.11	0.79	3.53	2.31	1.72
K2/4-3b	78.37	13.47	0.01	0.95	3.26	2.55	1.36
K2/4-6d	77.77	13.10	0.19	1.13	3.51	2.34	1.74
K2/4-7a	78.25	13.30	0.00	0.84	3.41	2.26	1.78
K2/4-7c	78.90	13.23	0.01	1.06	3.10	2.03	1.34
K2/4-9c	78.97	12.80	0.00	1.02	3.44	2.44	1.32
K2/5-2a	77.21	13.56	0.00	2.77	2.09	1.56	2.24
K2/5-2b	76.29	13.84	0.04	1.07	4.91	1.99	1.45
K2/5-2c	76.27	14.27	0.99	1.25	3.9	1.1	0.85
K2/5-4b	77.40	12.89	0.19	1.82	2.40	3.62	
<i>plagioclase</i>							
K2/3-1a	63.46	22.84	0.12	5.52	7.29	0.76	
K2/4-2a	59.13	25.49	0.26	8.79	5.99	0.33	
K2/4-2b	62.38	23.34	0.38	6.13	7.2	0.58	
K2/4-3a	62.56	23.35	0.07	6.01	7.35	0.65	
K2/4-3c	63.91	22.56	0.13	5	7.48	0.92	
K2/4-5a	62.95	22.9		5.79	7.7	0.65	
K2/4-5b	62.6	23.6	0.17	6.11	7.12	0.4	
K2/4-5c	62.92	23.42		6.29	6.98	0.38	
K2/4-6b	61.55	23.89	0.3	7.55	6.2	0.53	
K2/4-6c	61.56	23.9	0.25	6.88	6.9	0.5	
K2/4-9b	64.62	22.07	0.33	4.49	7.71	0.78	
K2/4-11b	63.04	23.18	0.08	5.78	7.33	0.59	
K2/4-13a	64.69	22.03	0.06	4.66	7.92	0.65	
<i>K-feldspar</i>							
K2/3-1b	74.7	13.24	0.29	0.47	2.56	8.57	
K2/4-2c	65.38	18.1		0.18	3.06	11.28	1.99
K2/4-11a	65.9	17.94			3.27	11.13	1.76
K2/5-05	65.46	18.30	0.02	0.15	3.08	10.68	2.31