APPENDIX 1

Chemical composition of the Upper Cenomanian siliciclastic sediments from the Pisana Member, High-Tatric Unit, Tatra Mountains

	Zab 3	Zab 3a	Zab 6c	Zab 7	Zd 1	Zd 2	Zd 11	Average(n=7)
SiO_2	40.01	45.13	47.43	41.70	33.92	36.49	33.55	39.6
TiO_2	0.36	0.66	0.64	0.50	0.23	0.24	0.48	0.44
Al_2O_3	6.51	14.99	13.79	10.44	3.71	4.35	10.85	9.23
Fe_2O_3	3.87	5.39	5.73	4.44	2.93	2.88	4.54	4.25
MgO	3.43	2.71	2.89	3.62	2.61	2.69	5.43	3.34
MnO	0.10	0.08	0.08	0.10	0.15	0.11	0.08	0.10
CaO	21.41	11.84	11.22	16.91	28.42	26.86	18.69	19.34
P_2O_5	0.10	0.14	0.15	0.12	0.07	0.07	0.09	0.11
Na_2O	1.01	0.73	0.95	1.33	0.66	0.68	0.80	0.88
K2O	1.13	3.35	2.85	2.06	0.55	0.68	2.60	1.89
LOI	21.9	14.8	14.0	18.6	26.6	24.8	22.7	20.5
Sum	99.85	99.82	99.82	99.82	99.86	99.83	99.83	
TOT/C	5.64	3.13	3.15	4.68	7.18	6.73	5.67	5.17
TOT/S	0.11	<0.02	<0.02	0.30	0.10	0.13	0.06	0.12
Cr	96	96	109	68	96	75	89	90
Ni	33	56	55	64	21	29	46	43
Sc	7	15	14	11	5	5	11	10
Co	8.4	14.6	14.7	14.3	6.2	6.6	11.1	10.8
Ba	144	329	286	216	84	91	207	182
Be	<1	2	<1	<1	<1	2	<1	<2
Cs	3.5	11.5	9.9	7.0	1.9	2.4	9.3	6.5
Ga	7.0	19.9	16.5	11.9	3.7	4.6	13.1	11.0
Hf	3.2	3.8	4.4	3.3	1.9	1.9	3.5	3.1
Nb	6.3	13.2	12.8	9.7	3.9	4.5	10.2	8.7
Rb	46.7	141.9	117.6	81.7	22.5	28.1	110.7	78.5
Sr	463.3	204.4	223.4	331.9	653.7	695.6	425.4	428.2
Ta	0.6	0.9	1.0	1.1	0.2	0.3	0.8	0.7
Th	5.7	11.7	11.4	8.4	3.2	3.5	9.2	7.6
U	2.5	3.0	3.8	2.8	1.2	1.4	4.0	2.7
V	52	127	112	77	34	39	93	76
W	1.2	2.0	1.9	1.7	0.8	0.9	2.1	1.5
Zr	126.2	139.1	150.9	119.1	70.4	73.4	112.8	113.1
Y	20.2	24.7	25.5	23.9	13.6	13.7	21.8	20.5
La	20.3	32.6	34.7	24.5	10.5	11.2	25.9	22.8
Ce	39.3	67.5	71.3	49.3	20.2	24.0	52.4	46.3
Pr	4.79	7.78	8.52	5.69	2.51	2.75	5.83	5.41
Nd	19.4	28.4	31.6	20.5	9.5	11.5	22.6	20.5
Sm	4.17	5.20	6.25	4.42	2.41	2.68	4.28	4.20
Eu	1.02	0.94	1.15	0.91	0.76	0.74	0.86	0.91
Gd	4.23	4.71	5.10	4.32	2.41	2.88	4.00	3.95
Tb	0.65	0.70	0.85	0.71	0.38	0.42	0.62	0.62
Dy	3.71	3.98	4.71	4.14	2.23	2.61	3.70	3.58
Ho	0.73	0.86	1.01	0.81	0.44	0.50	0.76	0.73
Er	2.04	2.52	2.76	2.59	1.08	1.26	2.08	2.04
Tm	0.29	0.41	0.44	0.36	0.17	0.20	0.31	0.31
Yb	1.87	2.59	2.78	2.34	1.01	1.22	2.23	2.01
Lu	0.28	0.39	0.42	0.33	0.15	0.18	0.34	0.30
Mo	0.9	0.3	0.3	0.7	0.5	0.7	0.3	0.5
Sn	1	3	3	2	<1	<1	2	<2
Cu	27.2	36.0	42.6	104.1	41.6	46.1	31.3	47.0
Pb	14.2	19.0	17.3	22.5	7.5	9.4	21.3	15.9
Zn	52	77	77	121	49	56	68	71
As	15.6	11.9	11.9	20.2	8.8	8.6	5.4	11.8
Cd	0.1	0.2	0.1	0.2	<0.1	<0.1	<0.1	<0.1
Sb	0.4	0.2	0.2	0.5	0.3	0.3	0.2	0.3
Bi	0.1	0.3	0.3	0.2	<0.1	<0.1	0.2	<0.2
Ag	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Au (ppb)	<0.5	0.6	0.5	<0.5	0.7	<0.5	1.6	<0.7
Hg	0.03	0.05	0.04	0.05	0.03	0.04	0.03	0.04
Tl	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Se	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5