

APPENDIX 2C

	Gębczyce																
	Profile 1								Profile 2								
	10	11	12	13	14	15	16	17	1	2	3	4	5	6	7	8	9
SiO ₂	62.30	62.37	62.64	63.02	64.26	65.7	65.93	65.22	65.38	65.31	65.15	65.38	65.98	66.58	65.17	66.88	66.73
Al ₂ O ₃	23.23	23.45	23.23	22.69	21.83	21.28	21.77	21.62	21.08	21.30	21.57	21.24	21.37	20.38	20.84	20.43	20.02
CaO	4.74	4.96	4.76	4.49	3.32	2.61	2.85	2.97	2.53	2.61	2.90	2.54	2.37	1.54	1.48	1.65	1.21
FeO	0.06	0.12	0.01	0	0	0.02	0	0	0	0	0.02	0.09	0.01	0.01	0.07	0	0.10
BaO																	
Na ₂ O	8.70	8.80	8.90	8.88	9.46	10.20	10.15	9.98	9.86	10.25	9.97	10.21	10.09	10.68	10.20	10.88	10.88
K ₂ O	0.18	0.21	0.25	0.21	0.27	0.12	0.14	0.18	0.13	0.20	0.12	0.11	0.21	0.09	0.56	0.10	0.09
Sum	99.21	99.91	99.80	99.29	99.14	99.93	100.8 4	99.97	98.98	99.67	99.73	99.57	100.0 3	99.28	98.32	99.94	99.03
Si	2.779	2.768	2.78	2.806	2.856	2.891	2.877	2.872	2.900	2.884	2.875	2.889	2.897	2.939	2.911	2.935	2.952
Al	1.221	1.226	1.215	1.190	1.143	1.103	1.120	1.122	1.102	1.109	1.122	1.106	1.106	1.060	1.097	1.057	1.044
Fe ⁺²	0.002	0.004	0	0	0	0.001	0	0	0	0	0.001	0.003	0	0	0.003	0	0.004
Ca	0.227	0.236	0.226	0.214	0.158	0.123	0.133	0.140	0.120	0.124	0.137	0.120	0.112	0.073	0.071	0.078	0.057
Ba																	
Na	0.752	0.757	0.766	0.766	0.815	0.870	0.859	0.853	0.848	0.878	0.853	0.875	0.859	0.914	0.884	0.926	0.933
K	0.01	0.012	0.014	0.012	0.015	0.007	0.008	0.01	0.008	0.011	0.007	0.006	0.012	0.005	0.032	0.005	0.005
Sum	4.991	5.003	5.001	4.988	4.987	4.995	4.997	4.997	4.978	5.006	4.995	4.999	4.986	4.991	4.998	5.001	4.995
or	1.1	1.2	1.4	1.2	1.5	0.7	0.8	1	0.8	1.1	0.7	0.6	1.2	0.5	3.2	0.5	0.5
ab	76	75.4	76.1	77.2	82.5	87	85.9	85	86.9	86.7	85.6	87.4	87.4	92.2	89.6	91.8	93.7
an	22.9	23.5	22.5	21.6	16	12.3	13.3	14	12.3	12.2	13.7	12	11.4	7.4	7.2	7.7	5.8
cls																	

APPENDIX 2D

	Górka Sobocka																
	Profile 1																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SiO ₂	64.66	65.27	64.85	65.70	65.96	64.11	64.17	63.15	63.51	62.13	63.36	63.97	65.12	63.01	64.47	63.59	62.70
Al ₂ O ₃	21.95	21.47	21.56	21.15	21.07	22.33	22.23	22.96	22.38	23.47	22.47	22.19	21.63	23.24	21.81	22.00	22.90
CaO	3.07	2.71	3.00	2.33	2.29	3.32	3.46	3.77	3.88	4.57	3.91	3.74	2.79	2.63	3.24	3.29	2.95
FeO	0	0.03	0	0	0	0	0	0.05	0.02	0.05	0	0.07	0.07	0.28	0.01	0.07	0.12
BaO	0.04	0.06	0.03	0.06	0.07	0.03	0	0	0.1	0.03	0.05	0.07	0.08	0.02	0	0.04	0.03
Na ₂ O	9.76	10.01	9.84	10.24	10.38	9.50	9.64	9.26	9.14	8.71	9.09	9.43	9.98	9.30	9.51	9.51	8.42
K ₂ O	0.09	0.10	0.09	0.12	0.09	0.20	0.18	0.22	0.30	0.21	0.08	0.06	0.07	0.13	0.10	0.09	0.16
Sum	99.57	99.65	99.37	99.60	99.86	99.49	99.68	99.41	99.33	99.17	98.96	99.53	99.74	98.61	99.14	98.59	97.28
Si	2.859	2.882	2.872	2.899	2.903	2.840	2.839	2.805	2.825	2.772	2.823	2.836	2.874	2.812	2.861	2.843	2.827
Al	1.144	1.117	1.126	1.100	1.093	1.166	1.159	1.202	1.173	1.234	1.180	1.159	1.125	1.222	1.141	1.159	1.217
Fe ⁺²	0	0.001	0	0	0	0	0	0.002	0.001	0.002	0	0.003	0.003	0.010	0	0.003	0.004
Ca	0.145	0.128	0.142	0.110	0.108	0.158	0.164	0.179	0.185	0.219	0.187	0.178	0.132	0.126	0.154	0.158	0.142
Ba	0.001	0.001	0.001	0.001	0.001	0	0	0	0.002	0.001	0.001	0.001	0.001	0	0	0.001	0
Na	0.837	0.857	0.844	0.876	0.886	0.816	0.827	0.798	0.788	0.753	0.786	0.811	0.854	0.805	0.818	0.824	0.737
K	0.005	0.006	0.005	0.007	0.005	0.011	0.01	0.012	0.017	0.012	0.004	0.003	0.004	0.007	0.005	0.005	0.009
Sum	4.991	4.992	4.990	4.993	4.996	4.991	4.999	4.998	4.991	4.993	4.981	4.991	4.993	4.982	4.979	4.993	4.936
or	0.5	0.6	0.5	0.7	0.5	1.2	1	1.2	1.7	1.2	0.5	0.3	0.4	0.8	0.6	0.5	1
ab	84.7	86.4	85.1	88.1	88.6	82.8	82.6	80.6	79.5	76.5	80.4	81.7	86.2	85.8	83.7	83.5	82.9
an	14.7	12.9	14.3	11.1	10.8	16	16.4	18.1	18.6	22.2	19.1	17.9	13.3	13.4	15.8	16	16
cls	0.1	0.1	0.1	0.1	0.1	0	0	0	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1

APPENDIX 2G

Strzelin I Quarry															
Profile 1															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SiO ₂	67.02	64.11	65.44	64.78	64.71	66.43	66.75	65.22	64.65	63.43	62.29	63.63	64.00	66.59	62.86
Al ₂ O ₃	20.7	22.31	21.46	22.04	22.34	20.59	21.83	22.6	23.16	23.12	23.18	22.92	22.78	20.70	22.92
CaO	1.19	2.93	2.11	2.83	2.80	1.45	2.27	3.26	3.63	3.83	4.31	3.78	3.32	1.22	3.89
FeO	0	0	0	0	0	0	0.02	0.06	0.01	0.03	0	0	0.02	0.02	0.02
BaO	0.04	0.06	0.04	0	0.02	0.04	0	0.04	0	0	0	0.04	0.02	0.02	0
Na ₂ O	10.64	9.58	10.20	9.80	9.85	10.70	9.70	8.98	8.96	8.97	8.90	9.28	9.57	10.73	9.11
K ₂ O	0.26	0.45	0.07	0.11	0.24	0.18	0.20	0.34	0.31	0.31	0.34	0.29	0.13	0.31	0.21
Sum	99.85	99.44	99.32	99.56	99.96	99.39	100.77	100.50	100.72	99.69	99.02	99.94	99.84	99.59	99.01
Si	2.939	2.843	2.892	2.861	2.850	2.931	2.901	2.853	2.826	2.807	2.784	2.812	2.825	2.932	2.803
Al	1.070	1.166	1.118	1.147	1.160	1.071	1.118	1.165	1.193	1.206	1.221	1.194	1.185	1.074	1.205
Fe ⁺²	0	0	0	0	0	0	0.001	0.002	0	0.001	0	0	0.001	0.001	0.001
Ca	0.056	0.139	0.1	0.134	0.132	0.068	0.106	0.153	0.170	0.182	0.206	0.179	0.157	0.058	0.186
Ba	0.001	0.001	0.001	0	0	0.001	0	0.001	0	0	0	0.001	0	0	0
Na	0.905	0.824	0.874	0.839	0.841	0.915	0.817	0.762	0.759	0.770	0.771	0.795	0.819	0.916	0.788
K	0.015	0.025	0.004	0.006	0.013	0.010	0.011	0.019	0.017	0.017	0.019	0.017	0.007	0.018	0.012
Sum	4.986	4.998	4.989	4.987	4.996	4.996	4.954	4.955	4.965	4.983	5.001	4.998	4.994	4.999	4.995
or	1.5	2.6	0.4	0.6	1.3	1	1.2	2	1.8	1.8	1.9	1.7	0.7	1.8	1.2
ab	92.7	83.3	89.3	85.7	85.2	92	87.5	81.6	80.2	79.5	77.4	80.2	83.3	92.4	79.9
an	5.7	14.1	10.2	13.7	13.4	6.9	11.3	16.3	18	18.7	20.7	18.1	16	5.8	18.8
cls	0.1	0.1	0.1	0	0	0.1	0	0.1	0	0	0	0.1	0	0	0