APPENDIX 1

Results of the electron microprobe analyses of feldspars

Analysis	SiO_2	Al_2O_3	FeO	MgO	CaO	SrO	BaO	Na_2O	K_2O	total	Si	Al	Fe	Mg	Ca	Sr	Ba	Na	K	Total	An	Ab	Kfs
Felsic granulite, GS55-4											Cations calculated on the basis of 8 oxygen atoms												
Feld1-1	65.07	18.66	0.03	–	0.06	0.04	0.90	1.36	13.79	99.91	2.997	1.013	0.001	0.000	0.003	0.001	0.016	0.122	0.810	4.963	0.3	13.0	86.7
Feld1-3	64.93	18.35	0.06	–	0.08	0.08	0.94	1.46	13.61	99.52	3.003	1.000	0.002	0.000	0.004	0.002	0.017	0.131	0.803	4.964	0.4	14.0	85.6
Feld2-1	65.31	18.76	0.06	–	0.08	0.04	0.84	1.69	11.63	98.40	3.014	1.021	0.002	0.000	0.004	0.001	0.015	0.151	0.685	4.893	0.4	18.0	81.5
Feld2-4	65.26	18.73	0.06	0.03	0.08	–	0.97	2.08	11.28	98.49	3.011	1.019	0.002	0.002	0.004	0.000	0.017	0.186	0.664	4.905	0.5	21.8	77.8
																				Min.	0.3	13.0	77.8
																				Max.	0.5	21.8	86.7
Feld3-1	66.53	20.93	0.16	–	2.03	–	0.03	10.09	0.18	99.94	2.920	1.083	0.006	0.000	0.095	0.000	0.001	0.859	0.010	4.973	9.9	89.1	1.1
Feld3-2	66.78	20.76	0.13	0.02	2.07	0.01	0.03	10.27	0.24	100.30	2.924	1.071	0.005	0.001	0.097	0.000	0.001	0.872	0.014	4.983	9.9	88.7	1.4
Feld3-3	67.00	20.83	0.10	–	2.13	0.06	–	10.08	0.23	100.44	2.927	1.072	0.004	0.000	0.100	0.001	0.000	0.854	0.013	4.970	10.3	88.3	1.3
Feld3-4	66.50	20.96	0.06	–	2.17	0.06	–	10.04	0.15	99.93	2.919	1.084	0.002	0.000	0.102	0.002	0.000	0.854	0.008	4.970	10.6	88.6	0.9
Feld3-5	66.82	20.91	0.15	–	2.13	–	–	10.01	0.19	100.20	2.924	1.078	0.005	0.000	0.100	0.000	0.000	0.849	0.011	4.967	10.4	88.5	1.1
Feld3-6	66.95	20.82	0.10	0.01	2.10	0.05	–	10.19	0.25	100.47	2.925	1.072	0.004	0.001	0.098	0.001	0.000	0.863	0.014	4.978	10.1	88.5	1.4
Feld3-7	66.84	20.92	0.10	0.01	2.03	0.03	–	9.95	0.26	100.13	2.926	1.079	0.004	0.000	0.095	0.001	0.000	0.844	0.014	4.964	10.0	88.5	1.5
Feld3-8	66.87	20.87	0.12	0.01	2.05	0.03	–	10.11	0.19	100.24	2.925	1.076	0.004	0.000	0.096	0.001	0.000	0.858	0.011	4.971	10.0	88.9	1.1
Feld4-1	66.50	20.82	0.18	–	2.14	–	–	10.00	0.21	99.84	2.922	1.078	0.007	0.000	0.101	0.000	0.000	0.852	0.012	4.971	10.4	88.3	1.2
Feld4-2	66.35	20.95	0.16	0.01	2.26	0.02	–	9.97	0.23	99.95	2.915	1.085	0.006	0.000	0.106	0.000	0.000	0.849	0.013	4.974	11.0	87.7	1.3
Feld4-3	66.68	20.69	0.20	–	2.14	0.03	–	9.99	0.30	100.05	2.926	1.070	0.007	0.000	0.101	0.001	0.000	0.850	0.017	4.972	10.4	87.9	1.7
Feld4-4	66.59	21.09	0.18	–	2.20	–	–	9.98	0.25	100.29	2.914	1.088	0.007	0.000	0.103	0.000	0.000	0.847	0.014	4.972	10.7	87.8	1.5
Feld4-5	66.36	20.97	0.21	–	2.20	0.03	0.02	10.01	0.19	99.99	2.914	1.085	0.008	0.000	0.104	0.001	0.000	0.852	0.011	4.975	10.7	88.2	1.1
Feld4-6	67.02	21.02	0.12	–	2.05	–	0.03	10.35	0.19	100.76	2.919	1.079	0.004	0.000	0.095	0.000	0.000	0.874	0.010	4.983	9.7	89.2	1.0
Feld4-7	66.88	20.72	0.07	–	2.06	0.04	0.00	10.18	0.20	100.15	2.929	1.070	0.003	0.000	0.097	0.001	0.000	0.864	0.011	4.974	9.9	88.9	1.1
																				Min.	9.7	87.7	0.9
																				Max.	11.0	89.2	1.7
Intermediate granulite, Gr-pb																							
Feld1-1	65.51	21.00	0.05	–	2.64	0.04	0.03	9.76	0.31	99.35	2.900	1.096	0.002	0.000	0.125	0.001	0.001	0.838	0.017	4.980	12.8	85.5	1.8
Feld1-2	65.76	21.33	0.06	0.02	2.56	0.04	0.02	9.54	0.35	99.66	2.898	1.108	0.002	0.001	0.121	0.001	0.000	0.815	0.020	4.966	12.6	85.3	2.0
Feld4-1	65.68	21.41	0.10	–	2.69	–	–	9.53	0.48	99.90	2.891	1.111	0.004	0.000	0.127	0.000	0.000	0.814	0.027	4.974	13.1	84.1	2.8
Feld4-2	65.85	21.53	0.11	–	2.68	0.04	0.02	9.65	0.50	100.39	2.887	1.113	0.004	0.000	0.126	0.001	0.000	0.820	0.028	4.980	12.9	84.2	2.9
Feld5-1	66.72	21.60	0.07	0.01	2.60	–	0.02	9.60	0.49	101.12	2.899	1.106	0.002	0.000	0.121	0.000	0.000	0.809	0.027	4.966	12.7	84.5	2.8
Feld5-2	66.06	21.48	0.08	–	2.66	0.06	–	9.87	0.46	100.66	2.890	1.107	0.003	0.000	0.124	0.002	0.000	0.837	0.026	4.988	12.6	84.8	2.6
Feld5-3	66.54	21.29	0.10	–	2.71	–	0.01	9.83	0.41	100.90	2.901	1.094	0.004	0.000	0.127	0.000	0.000	0.831	0.023	4.979	12.9	84.7	2.3
Feld6-1	66.69	21.39	0.07	–	2.55	0.03	0.03	9.80	0.43	100.99	2.903	1.098	0.002	0.000	0.119	0.001	0.001	0.827	0.024	4.974	12.3	85.3	2.5
Feld6-2	66.25	21.38	0.05	–	2.58	0.01	0.03	9.77	0.42	100.47	2.899	1.102	0.002	0.000	0.121	0.000	0.000	0.829	0.023	4.976	12.4	85.2	2.4
Feld6-3	66.31	21.71	0.02	0.01	2.65	0.02	–	9.83	0.41	100.96	2.888	1.114	0.001	0.000	0.124	0.001	0.000	0.830	0.023	4.981	12.7	85.0	2.4
Feld6-4	66.56	21.35	0.04	–	2.58	0.03	–	9.82	0.44	100.83	2.902	1.097	0.001	0.000	0.121	0.001	0.000	0.830	0.024	4.976	12.4	85.1	2.5
Feld7-3	65.98	21.68	0.08	–	2.71	0.07	0.01	9.71	0.40	100.62	2.885	1.117	0.003	0.000	0.127	0.002	0.000	0.823	0.022	4.979	13.0	84.7	2.3
Feld8-1	65.98	21.53	0.07	–	2.60	–	0.03	9.91	0.51	100.62	2.888	1.110	0.003	0.000	0.122	0.000	0.001	0.840	0.028	4.991	12.3	84.9	2.8
Feld8-2	66.71	21.54	0.11	–	2.46	–	0.02	9.71	0.51	101.06	2.901	1.104	0.004	0.000	0.115	0.000	0.000	0.819	0.028	4.971	11.9	85.1	2.9
Feld8-3	66.49	21.61	0.06	0.01	2.68	0.06	–	9.78	0.44	101.11	2.892	1.108	0.002	0.001	0.125	0.001	0.000	0.825	0.024	4.978	12.8	84.7	2.5
Feld8-4	66.81	21.73	0.09	0.02	2.73	0.04	–	9.86	0.35	101.62	2.891	1.108	0.003	0.001	0.126	0.001	0.000	0.828	0.019	4.978	13.0	85.0	2.0
Feld8-5	66.22	21.60	0.12	–	2.68	0.03	–	9.72	0.42	100.79	2.890	1.111	0.004	0.000	0.125	0.001	0.000	0.823	0.023	4.977	12.9	84.7	2.4
Feld8-6	65.98	21.23	0.09	–	2.61	–	–	9.78	0.48	100.16	2.898	1.099	0.003	0.000	0.123	0.000	0.000	0.833	0.027	4.982	12.5	84.8	2.8
Feld1-1	65.51	21.00	0.05	–	2.64	0.04	0.03	9.76	0.31	99.35	2.900	1.096	0.002	0.000	0.125	0.001	0.001	0.838	0.017	4.980	12.8	85.5	1.8
Feld1-2	65.76	21.33	0.06	0.02	2.56	0.04	0.02	9.54	0.35	99.66	2.898	1.108	0.002	0.001	0.121	0.001	0.000	0.815	0.020	4.966	12.6	85.3	2.0
																				Min.	11.9	84.1	1.8
																				Max.	13.1	85.5	2.9
Feld2-1	64.77	18.35	0.08	0.01	0.04	–	0.65	0.64	14.87	99.40	3.005	1.003	0.003	0.000	0.002	0.000	0.012	0.058	0.880	4.962	0.2	6.1	93.7
Feld2-2	64.90	18.53	0.13	0.01	0.06	0.02	0.86	0.76	14.58	99.85	2.999	1.009	0.005	0.000	0.003	0.001	0.016	0.068	0.860	4.960	0.3	7.3	92.4
Feld3-1	64.30	18.88	0.10	–	0.10	0.09	1.06	0.71	14.60	99.83	2.980	1.031	0.004	0.000	0.005	0.002	0.019	0.064	0.863	4.968	0.5	6.8	92.6
Feld3-2	64.39	18.56	0.04	–	0.10	0.04	0.86	0.72	14.48	99.18	2.995	1.017	0.002	0.000	0.005	0.001	0.016	0.065	0.859	4.959	0.5	7.0	92.5
Feld3-3	64.88	18.66	0.07	–	0.05	0.08	0.94	0.61	14.61	99.89	2.997	1.016	0.003	0.000	0.002	0.002	0.017	0.054	0.861	4.953	0.2	5.9	93.8
Feld7-1	65.02	18.75	0.04	–	0.13	0.10	0.87	0.80	14.55	100.25	2.993	1.017	0.002	0.000	0.006	0.003	0.016	0.071	0.854	4.961	0.7	7.6	91.7
Feld7-2	64.63	18.78	0.04	–	0.14	0.06	1.10	0.83	14.43	100.01	2.987	1.023	0.001	0.000	0.007	0.002	0.020	0.075	0.850	4.964	0.7	8.0	91.3
																				Min.	0.2	5.9	91.3
																				Max.	0.7	8.0	93.8
Mafic granulite, GS55-1																							
Feld1-1	65.55	21.12	0.09	0.01	2.75	–	–	9.65	0.40	99.56	2.896	1.100	0.003	0.001	0.130	0.000	0.000	0.826	0.023	4.979	13.3	84.4	2.3
Feld1-2	65.74	21.93	0.19	0.02	2.52	–	–	9.56	0.34	100.30	2.880	1.132	0.007	0.001	0.118	0.000	0.000	0.812	0.019	4.970	12.5	85.6	2.0
Feld1-3	66.51	21.41	0.15	0.02	2.53	0.03	0.04	10.00	0.26	100.94	2.898	1.099	0.006	0.001	0.118	0.001	0.001	0.845	0.014	4.982	12.1	86.5	1.5
Feld1-4	66.22	21.54	0.21	–	2.57	–	–	9.82	0.37	100.73	2.892	1.109	0.008	0.000	0.120	0.000	0.000	0.831	0.021	4.980	12.4	85.5	2.1
Feld1-5	65.97	21.69	0.11	–	2.69	0.04	–	9.71	0.41	100.63	2.885	1.118	0.004	0.000	0.126	0.001	0.000	0.823	0.023	4.980	13.0	84.7	2.4
Feld1-6	66.06	21.56	0.17	–	2.54	–	–	9.83	0.32	100.48	2.891	1.112	0.006	0.000	0.119	0.000	0.000	0.834	0.018	4.979	12.3	85.9	1.8
Feld2-2	65.84	21.49	0.17	0.01	2.85	0.08	–	9.69	0.31	100.43	2.886	1.110	0.006	0.000	0.134	0.002	0.000	0.824	0.017	4.979	13.7	84.5	1.8
Feld2-3	66.42	21.41	0.20	–	2.49	–	0.01	9.90	0.34	100.77	2.898	1.101	0.007	0.000	0.116	0.000	0.000	0.837	0.019	4.979	12.0	86.1	2.0
Feld2-4	66.03	21.81	0.27	–	2.92	–	–	9.64	0.35	101.02	2.878	1.120	0.010	0.000	0.136	0.000	0.000	0.815	0.019	4.979	14.1	84.0	2.0
Feld2-5	66.34	21.42	0.22	0.01	2.66	–	–	9.80	0.33	100.78	2.895	1.102	0.008	0.001	0.124	0.000	0.000	0.829	0.018	4.978	12.8	85.3	1.9
Feld2-7	66.35	21.52	0.27	0.01	2.66	0.01	0.01	9.89	0.23	100.95	2.892	1.105	0.010	0.001	0.124	0.000	0.000	0.836	0.013	4.980	12.8	85.9	1.3
Feld2-8	66.56	21.56	0.40	–	2.60	–	–	10.08	0.28	101.48	2.889	1.103	0.014	0.000	0.121	0.000	0.000	0.848	0.016	4.991	12.3	86.1	1.6
Feld2-9	66.68	21.32	0.16	0.02	2.49	0.04	–	9.78	0.34	100.84	2.905	1.095	0.006	0.001	0.116	0.001	0.000	0.826	0.019	4.970	12.1	85.9	2.0
Feld2-10	66.50	21.36	0.25	0.01	2.54	–	0.01	9.84	0.29	100.80	2.900	1.098	0.009	0.001	0.118	0.000	0.000	0.832	0.016	4.975	12.2	86.1	1.7
Feld2-12	66.46	21.27	0.19	–	2.52	–	–	9.91	0.38	100.73	2.902	1.095	0.007	0.000	0.118	0.000	0.000	0.839	0.021	4.981	12.0	85.8	2.2
																				Min.	12.0	84.0	1.3
																				Max.	14.1	86.5	2.4

"–" – below detection limit