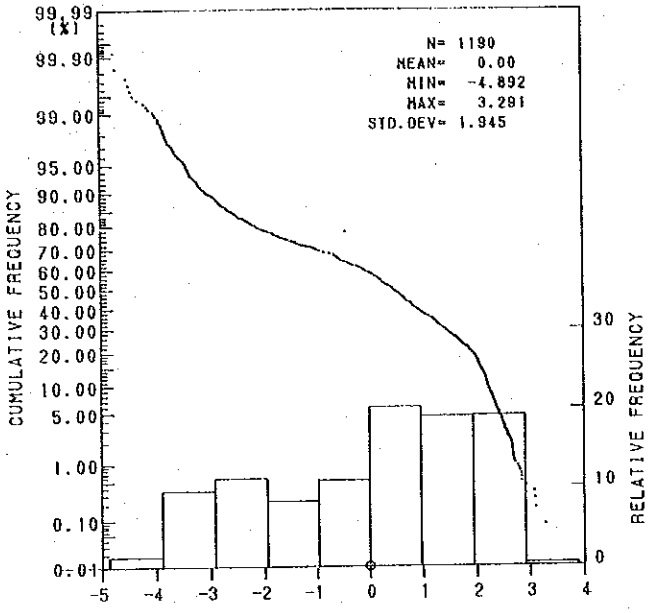
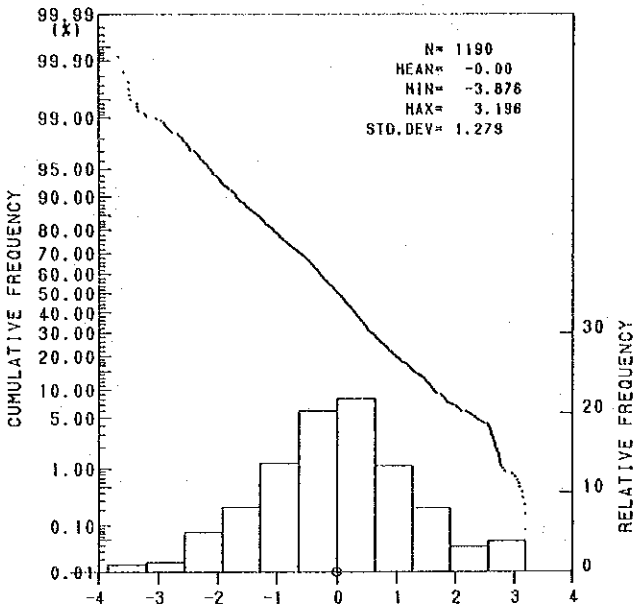
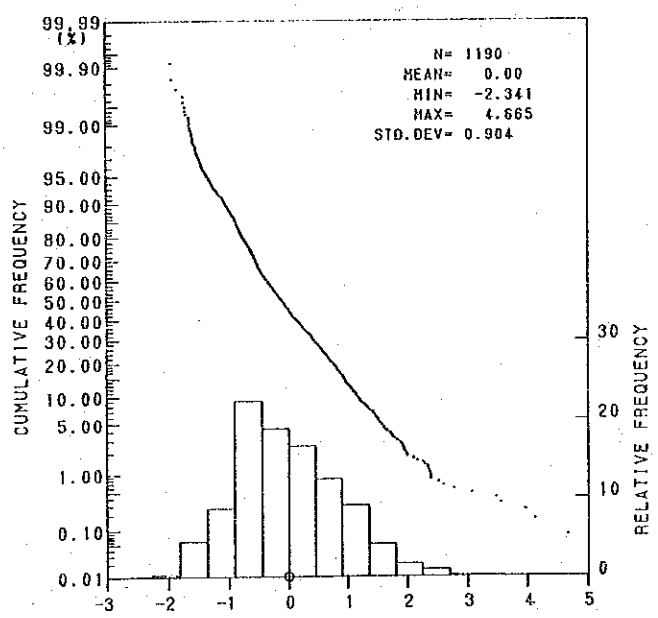


Z1



Z2



Z3

Appendix 25 Cumulative probability plots and histograms of scores for principal components analysis of soil samples in area B-1

Appendix 26 Chemical analyses of geochemical rock samples in area B and B-1

Area B

No.	Sample No.	Rock type	Pt (ppb)	Pd (ppb)	Au (ppb)	Ni (ppm)	Cr (ppm)	Fe (%)	Co (ppm)
1	BCR001	basalt	<5	<2	<2	10	110	7.5	45
2	BCR002	gabbro	<5	2	<2	410	140	2.5	60
3	BFR001	basalt	<5	4	<2	65	<100	3.8	40
4	BFR002	basalt	<5	<2	<2	32	<100	5.0	33
5	BFR004	gabbro	<5	24	<2	57	160	1.0	31
6	BFR006	gabbro	35	110	<2	100	220	0.60	29
7	BFR007	dunite	<5	6	<2	2000	19000	4.2	88
8	BFR008	basalt	<5	<2	<2	30	130	4.2	30
9	BFR010	basalt	<5	<2	<2	34	100	4.6	32
10	BGR001	harz.	<5	8	<2	1730	2100	4.5	90
11	BGR003	f.gb.	<5	<2	<2	70	<100	3.7	45
12	BGR004	lherz.	<5	8	<2	1750	1600	4.6	91
13	BGR006	lherz.	<5	6	<2	1760	1900	4.3	98
14	BGR008	harz.	<5	2	<2	1700	1800	4.5	79
15	BGR011	harz.	<5	<2	<2	1900	2300	4.2	88
16	BGR013	qz. schist	20	6	<2	170	130	1.2	35
17	BGR014	harz.	15	<2	<2	1900	2200	4.9	95
18	BGR016	harz.	10	8	<2	1860	2300	4.9	99
19	BGR017	basalt	5	<2	<2	60	<100	4.2	34
20	BGR018	dunite	<5	<2	<2	2150	4100	4.8	98
21	BGR019	dunite	15	<2	<2	1980	8000	4.9	101
22	BGR020	dunite	<5	6	<2	1760	3100	4.6	106
23	BGR021	dunite	10	18	<2	1400	2800	5.5	104
24	BHR001	harz.	20	<2	<2	1940	1900	4.7	90
25	BHR002	harz.	15	6	<2	1460	1500	3.9	80
26	BHR003	lherz.	10	2	<2	1770	1900	4.7	89
27	BHR004	dunite	10	<2	<2	1930	1500	5.1	101
28	BHR005	dunite	<5	2	<2	2200	21000	4.3	89
29	BHR006	dunite	10	<2	<2	1770	2100	5.0	102
30	BHR007	harz.	20	<2	<2	1680	1700	5.0	89
31	BHR008	dunite	<5	<2	<2	1680	12000	5.2	100
32	BHR009	dunite	5	<2	<2	1990	11000	3.7	77
33	BHR010	dunite	<5	8	<2	3500	40000	2.8	79
34	BHR011	dunite	<5	4	<2	1720	13000	5.3	105
35	BHR012	dunite	<5	4	<2	1940	3500	4.9	97
36	BHR015	harz.	<5	<2	<2	1890	1500	4.4	90
37	BHR016	dunite	<5	<2	<2	1970	2100	5.8	119
38	BHR017	harz.	<5	<2	<2	1940	1700	4.7	92
39	BHR018	harz.	20	30	<2	1810	2700	4.2	90
40	BHR019	pxnite.	<5	<2	<2	100	<100	0.83	30
41	BHR022	lherz.	<5	<2	<2	1900	1400	4.7	91
42	BHR030	dunite	<5	6	<2	1930	6700	5.3	103
43	BJR001	lherz.	<5	8	<2	1750	1400	4.1	95
44	BJR004	dunite	<5	4	<2	1800	1700	4.4	87
45	BJR006	dunite	<5	<2	<2	2000	1600	4.7	90
46	BJR009	harz.	<5	4	<2	1820	1400	4.5	88
47	BJR010	lherz.	<5	6	<2	1840	1400	4.6	101
48	BJR011	harz.	<5	<2	<2	1770	2100	4.8	90
49	BJR012	dunite	<2	4	<2	3200	13000	4.5	76
50	BJR013	chromitite	<5	2	2	3400	144000	3.8	78
51	BJR014	dunite	<5	<2	<2	1650	6400	5.5	101
52	BJR015	dunite	<5	<2	<2	1550	5300	4.5	95
53	BJR016	dunite	<5	<2	<2	2050	2100	5.1	99
54	BJR017	harz.	<5	<2	<2	1890	1800	4.5	87
55	BJR018	dunite	<5	<2	<2	1870	6400	4.4	85
56	BJR019	harz.	<5	<2	<2	1850	2300	4.5	86
57	BJR020	harz.	<5	<2	<2				
58	BJR022	norite	<5	<2	<2	210	110	1.8	110
59	BJR024	dunite	<5	<2	<2	1770	2300	4.2	87
60	BJR025	dunite	<5	<2	<2	1800	1900	4.4	84
61	BJR026	ol.gb.	<5	4	<2	190	<100	1.3	60
62	BJR027	dunite	<5	10	<2	1810	1800	4.3	98
63	BJR028	dunite	<5	24	<2	1730	2200	5.3	99
64	BJR030	dunite	<5	<2	<2	1830	2000	4.4	87
65	BJR031	lap.tf.	<5	<2	<2	100	<100	4.7	48
66	BJR033	f.gb.	<5	2	<2	70	<100	0.68	43
67	BJR035	harz.	<5	<2	<2	1820	1500	4.5	93
68	BJR036	harz.	<5	<2	<2	1930	2100	5.0	117

Appendix 26 Chemical analyses of geochemical rock samples in area B and B-1

69	BJR037	harz.	5	30	<2	1710	1800	4.8	96
70	BJR038	harz.	<5	<2	<2	1770	1700	4.3	85
71	BJR039	dunite	<5	<2	<2	1840	1400	4.5	84
72	BKR001	pxnite.	<5	<2	<2	170	<100	1.7	75
73	BKR004	dunite	<5	<2	<2	380	<100	2.8	23
74	BKR005	harz.	<5	4	<2	1770	2300	4.7	85
75	BKR006	dunite	<5	6	<2	2000	1800	4.3	81
76	BKR007	harz.	<5	<2	<2	1800	1600	4.3	86
77	BKR010	harz.	<5	<2	<2	1800	2200	4.6	91
78	BKR011	dunite	<5	<2	<2	1900	2400	4.4	92
79	BKR013	dunite	<5	<2	<2	2200	2000	4.7	98
80	BKR014	harz.	<5	<2	<2	2200	1700	4.9	111
81	BKR016	harz.	<5	<2	<2	260	1600	1.6	40
82	BKR017	harz.	<5	4	<2	2100	3200	4.7	101
83	BKR018	harz.	<5	<2	<2	2200	2100	4.9	100
84	BKR019	harz.	<5	<2	<2	2000	2800	5.2	98
85	BKR020	basalt	<5	2	<2	24	120	3.7	27
86	BKR022	basalt	<5	<2	<2	38	140	3.8	30
87	BLR001	harz.	<5	<2	<2	2200	1700	5.1	112
88	BLR002	troct.	<5	<2	<2	250	160	1.3	65
89	BLR005	dunite	<5	<2	<2	1800	4100	6.0	142
90	BLR006	harz.	<5	16	<2	1200	1800	6.4	117
91	BLR009	f.gb	<5	<2	<2	32	130	3.1	36
92	BLR010	harz.	<5	<2	<2	1800	2200	4.3	97
93	BLR013	f.gb.	<5	6	<2	340	140	4.5	33
94	BLR016	harz.	<5	<2	<2				
95	BLR017	pxnite.	<2	4	<2	130	1800	1.2	37
96	BLR018	dunite	<5	2	<2	1900	2200	4.3	91
97	BLR020	harz.	<5	2	<2	2100	2400	4.6	96
98	BLR021	dunite	65	2	<2	1400	28000	5.4	107
99	BLR023	basalt	<5	<2	<2	53	160	5.3	57
100	BNR002	harz.	<5	<2	<2	2000	2300	4.8	106
101	BNR003	harz.	<5	2	<2	2000	2500	4.4	92
102	BNR007	harz.	<5	<2	<2	2100	2100	4.7	101
103	BNR009	harz.	<5	<2	<2	1700	2000	4.2	96
104	BNR010	harz.	<5	<2	<2	1800	2000	4.1	88
105	BNR011	dolerite	<5	<2	<2	58	120	4.4	44
106	BNR013	dolerite	<5	<2	<2	35	120	4.1	55
107	BNR002	harz.	<5	<2	<2	2000	1800	4.3	94
108	BNR003	harz.	<5	32	<2	90	220	2.2	48
109	BNR004	harz.	<5	10	<2	1800	1400	4.3	93
110	BNR008	harz.	<5	2	<2	1800	1500	4.5	94
111	BNR009	harz.	<5	<2	<2	36	140	5.4	44
112	BNR010	harz.	<5	<2	<2	1900	2300	4.9	98
113	BNR011	basalt	<5	<2	<2	32	130	5.1	33
114	BNR012	basalt	<5	<2	<2	69	130	3.9	53
115	BNR014	basalt	<5	<2	<2	55	<100	4.2	47
116	BNR015	basalt	<5	2	<2	53	120	4.3	49
117	BNR016	basalt	<5	2	<2	56	100	4.6	60
118	BPR002	harz.	<5	2	<2	2000	2300	4.2	89
119	BPR004	harz.	<5	6	<2	1000	1000	3.4	70
120	BPR005	webst.	<5	24	2	140	1100	1.5	28
121	BPR006	harz.	<5	4	<2	2900	2300	4.3	90
122	BPR007	serp.	<5	2	<2	2000	2500	4.1	89
123	BPR008	dunite	<5	4	<2	3000	1700	4.9	106
124	BPR011	dunite	<5	4	<2	4200	2500	5.2	118
125	BPR012	harz.	<5	<2	<2	2100	2100	4.3	90
126	BPR015	troct.	5	38	<2	320	130	1.3	42
127	BPR017	harz.	<5	<2	<2	2100	2000	4.2	93
128	BPR019	amphibolite	5	16	<2	150	140	1.1	35
129	BPR020	harz.	<5	<2	<2	2000	2300	4.2	91
130	BPR021	dunite	20	8	<2	1000	7000	6.5	113
131	BPR024	ol.webst.	80	106	18	1070	190	8.6	167
132	BPR025	dunite	10	<2	2	1200	5500	6.5	116
133	BPR026	ol.webst.	15	30	4	360	2900	4.4	84
134	BPR027	dunite	10	<5	<2	1300	1700	4.8	105
135	BPR031	gabbro	<5	2	4	57	<100	4.2	46
136	BPR032	basalt	<5	<2	2	47	<100	4.3	49
137	BPR034	basic tf.	<5	<2	<2	78	230	3.3	31
138	BPR037	basalt	<5	<2	<2	51	<100	4.5	40
139	BPR038	basalt	<5	4	<2	20	<100	5.5	28
140	BPR039	dolerite	<5	<2	4	27	120	5.4	54
141	BRR004	basalt	<5	<2	<2	15	100	7.5	46

Appendix 26 Chemical analyses of geochemical rock samples in area B and B-1

142	BRR006	gabbro	<5	2	4	28	130	0.53	64
143	BRR008	harz.	15	12	2	630	1200	4.3	71
144	BRR010	basalt	<5	<2	4	54	<100	6.7	39
145	BRR012	gabbro	5	20	<2	65	240	0.61	40
146	BSR002	harz.	<5	<2	<2	2300	1200	5.0	105
147	BSR003	gabbro	<5	<2	<2	34	100	3.8	46
148	BSR004	dolerite	<5	<2	2	53	100	3.4	33
149	BSR006	harz.	<5	<2	<2	2000	1900	4.5	93
150	BSR007	harz.	<5	<2	<2	2300	1400	4.6	105
151	BSR008	harz.	<5	<2	<2	2100	1200	4.6	95
152	BSR009	dolerite	<5	<2	<2	63	100	4.1	42
153	BSR010	f.gb.	<5	<2	2	52	110	3.9	48
154	BSR011	f.gb.	<5	<2	2	61	150	1.0	56
155	BSR014	basalt	<5	4	<2	54	<100	4.2	63
156	BTR002	dunite	<5	<2	<2	58	120	4.6	60
157	BTR004	harz.	<5	<2	<2	2200	2300	4.9	104
158	BTR005	harz.	<5	6	<2	150	460	2.0	46
159	BTR007	basalt	<5	2	<2	24	<100	5.2	35
160	BVR002	dunite	<5	<2	<2	2000	2000	4.4	94
161	BVR003	harz.	<5	4	<2	2300	1800	4.9	101
162	BVR007	harz.	<5	<2	<2	2000	1400	4.3	89
163	BVR008	harz.	<5	<2	<2	2100	2100	4.4	93
164	BVR013	basalt	<5	4	<2	73	100	3.2	51
165	BVR014	basalt	<5	<2	<2	42	<100	4.2	42
166	BVR015	basalt	<5	<2	<2	69	110	3.3	45
167	BVR017	troct.	10	26	2	1500	3500	5.1	104
168	BVR018	gabbro	<5	<2	<2	1400	1700	7.1	106
169	BVR019	ho.web.	<5	6	<2	1200	1100	6.2	101
170	BVR021	basalt	<5	12	<2	42	<100	2.1	44

Area B-1

No.	Sample No.	Rock type	Pt (ppb)	Pd (ppb)	Au (ppb)	Ni (ppm)	Cr (ppm)	Fe (%)	Co (ppm)
1	RH-01	dunite	<5	<2	<2	2670	1100	4.8	92
2	RH-02	dunite	<5	<2	<2	2130	9000	4.4	73
3	RH-04	dunite	<5	2	<2	2030	20000	4.2	97
4	RH-05	harz.	<5	<2	<2	3910	2000	5.4	78
5	RJ-01	troct.	15	36	<2	1620	400	5.6	122
6	RJ-03	gabbro	<5	30	<2	1030	<100	4.4	75
7	RJ-05	dunite	<5	4	<2	2210	1200	4.8	89
8	RJ-06	dunite	<5	6	<2	1950	1200	4.4	66
9	RJ-07	dunite	<5	2	<2	1770	<100	4.5	140
10	RJ-08	dunite	<5	<2	<2	2340	<100	4.5	77
11	RJ-09	dunite	10	6	<2	2120	66000	3.7	98
12	RJ-10	dunite	<5	<2	<2	2870	800	4.5	41
13	RJ-11	dunite	<5	<2	<2	3040	14000	4.4	72
14	RJ-12	dunite	5	2	<2	1340	136000	1.9	78
15	RJ-13	dunite	<5	<2	<2	2470	900	4.7	74
16	RJ-14	dunite	<5	<2	<2	1900	1000	4.4	56
17	RJ-15	chromitite	5	2	<2	2620	142000	2.0	25
18	RJ-16	dunite	<5	2	<2	2980	400	4.3	75
19	RK-11	norite	<5	<2	<2	50	400	1.5	80
20	RK-15	ol.gb.	5	32	<2	2460	300	5.5	118
21	RK-20	dunite	<5	<2	<2	2530	2000	5.5	122
22	RK-21	dunite	<5	4	2	2800	7400	5.0	106
23	RK-22	dunite	<5	<2	<2	3610	10000	5.5	88
24	RK-23	harz.	<5	<2	<2	2730	1500	4.1	105
25	RK-27	amphibolite	<5	2	<2	1400	1900	1.6	68
26	RK-28	lherz.	<5	4	<2	2850	1700	4.3	90
27	RK-29	lherz.	<5	<2	<2	2590	1700	4.2	101
28	RK-30	lherz.	<5	<2	<2	2750	2000	3.9	82
29	RK-31	dunite	<5	<2	<2	1810	3300	4.5	87
30	RK-32	dunite	<5	<2	<2	2640	2500	5.7	103
31	RK-33	lherz.	5	<2	<2	2800	1300	4.5	100
32	RK-34	harz.	15	20	<2	2630	2100	4.3	108
33	RK-35	harz.	<5	<2	<2	2640	1800	4.2	82
34	RK-37	dunite	<5	<2	<2	2400	2000	4.2	81
35	RK-38	harz.	20	12	<2	2550	1600	5.0	94
36	RK-39	lherz.	<5	<2	<2	2750	2200	4.2	86
37	RK-40	harz.	<5	<2	<2	1760	2400	4.6	79
38	RK-41	harz.	<5	<2	<2	2560	2600	4.3	81

Appendix 26 Chemical analyses of geochemical rock samples in area B and B-1

39	RK-42	harz.	<5	2	<2	2570	1700	4.4	81
40	RK-43	harz.	<5	<2	<2	2530	2000	4.2	73
41	RK-44	harz.	10	6	<2	2660	2000	4.1	85
42	RK-45	dolerite	<5	<2	<2	59	<100	2.7	39
43	RK-46	harz.	<5	<2	<2	2800	2100	4.3	84
44	RK-47	webst.	40	4	2	240	2000	0.45	26
45	RK-49	chromitite	25	18	<2	1640	111000	0.24	67
46	RK-50	chromitite	870	3200	520	12700	108000	1.5	209
47	RK-54	dunite	20	50	5	9600	6700	5.4	107
48	RK-55	dunite	10	14	<2	27000	5900	5.6	119
49	RK-56	dunite	5	6	<2	3300	6100	5.3	101
50	RK-57	dunite	5	4	2	27000	7500	5.7	116
51	RK-58	dunite	5	4	<2	39000	10000	5.4	105
52	RK-59	gabbro	10	10	4	890	1200	1.0	59
53	RK-60	dunite	<5	2	<2	26000	6300	5.0	115
54	RK-61	dunite	<5	2	<2	10400	5000	4.7	101
55	RK-62	dunite	10	4	<2	15300	3100	6.1	119
56	RK-63	dunite	<5	<2	<2	6400	7000	5.3	109
57	RK-64	dunite	<5	<2	<2	33000	4900	5.5	120
58	RK-65	dunite	<5	2	<2	12700	6000	7.2	160
59	RK-66	dunite	5	4	<2	5500	5100	5.9	131
60	RL-03	dunite	<5	<2	<2	3260	4200	4.9	97
61	RL-04	dunite	5	4	<2	2620	3400	5.0	103
62	RL-05	dunite	5	<2	<2	2590	3900	5.1	103
63	RL-06	dunite	20	4	<2	9200	6400	5.4	100
64	RL-07	lherz.	30	24	<2	1570	6100	2.0	44
65	RL-10	harz.	5	<2	<2	3300	2500	4.6	87
66	RL-11	harz.	<5	<2	<2	2900	2200	4.3	101
67	RL-12	chromitite	<5	2	<2	5000	192000	2.9	64
68	RL-13	harz.	<5	<2	<2	4010	2100	4.6	94
69	RL-14	harz.	<5	<2	<2	2700	5400	5.6	94
70	RL-16	harz.	<5	<2	<2	3050	1700	4.4	95
71	RL-17	harz.	<5	<2	<2	2790	3100	4.6	92
72	RL-18	dunite	<5	<2	<2	1930	1400	6.4	137
73	RL-19	lherz.	10	<2	4	2680	1800	4.4	88
74	RL-20	dunite	5	<2	4	2170	2100	6.3	121
75	RL-23	troct.	5	<2	<2	680	300	2.7	47
76	RL-24	dunite	<5	<2	<2	2860	4500	4.9	79
77	RL-25	dunite	<5	<2	<2	2690	4100	5.3	98
78	RL-26	dunite	<5	<2	<2	3090	5200	5.8	114
79	RL-27	dunite	<5	<2	8	5300	7500	5.4	96
80	RL-28	dunite	5	<2	<2	3140	4700	5.0	99
81	RL-29	lherz.	<5	<2	<2	3010	2400	4.9	74
82	RL-30	dunite	<5	<2	2	3580	16000	5.1	93

Appendix 27 Chemical analyses of geochemical soil samples in basalt area of area B

No.	Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Au (ppb)	Ag (ppm)	As (ppm)	Sb (ppm)	Hg (ppb)
1	BC012	26	<10	54	6	<0.2	1	<0.2	60
2	BC014	33	<10	77	<12	<0.2	1	<0.2	70
3	BC016	32	<10	55	<2	<0.2	<1	<0.2	60
4	BC018	31	<10	61	<2	<0.2	<1	<0.2	70
5	BC020	39	<10	94	<2	<0.2	<1	<0.2	80
6	BC022	36	<10	91	<24	<0.2	<1	n.s.s.	n.s.s.
7	BF003	81	<10	83	<4	<0.2	1	<0.2	70
8	BF004	32	<10	97	<4	<0.2	<1	n.s.s.	100
9	BF006	60	<10	56	8	<0.2	<1	<0.2	90
10	BF007	48	<10	41	<4	<0.2	1	<0.2	60
11	BF011	42	<10	90	<2	<0.2	1	n.s.s.	n.s.s.
12	BF018	29	<10	49	4	<0.2	<1	<0.2	40
13	BF022	48	<10	47	<2	<0.2	1	<0.2	40
14	BG070	56	12	71	6	<0.2	3	0.2	40
15	BG072	51	<10	81	<2	<0.2	2	<0.2	50
16	BG074	51	<10	80	<2	<0.2	2	<0.2	60
17	BG076	63	17	73	2	<0.2	2	0.2	40
18	BG077	40	<10	69	<2	<0.2	2	0.2	30
19	BG079	41	<10	80	<2	<0.2	2	0.2	50
20	BG081	41	<10	71	<2	<0.2	2	<0.2	40
21	BH086	24	<10	47	<2	<0.2	2	<0.2	30
22	BH087	22	<10	46	<2	<0.2	2	<0.2	20
23	BH089	36	<10	64	<2	<0.2	2	<0.2	30
24	BH090	31	<10	63	<2	<0.2	2	<0.2	30
25	BH092	43	<10	87	2	<0.2	1	<0.2	50
26	BH095	70	11	82	2	<0.2	3	<0.2	40
27	BH096	65	<10	84	<2	<0.2	2	<0.2	40
28	BJ066	49	<10	69	2	<0.2	2	<0.2	50
29	BJ067	61	14	78	4	<0.2	3	<0.2	40
30	BJ070	63	<10	82	<2	<0.2	3	<0.2	30
31	BJ071	55	<10	73	<2	<0.2	3	<0.2	80
32	BJ073	41	<10	68	<2	<0.2	3	<0.2	30
33	BJ075	44	10	75	<2	<0.2	3	<0.2	570
34	BJ077	60	12	73	<2	<0.2	4	<0.2	80
35	BK067	68	<10	82	<2	<0.2	1	<0.2	40
36	BK069	62	<10	73	<2	<0.2	1	<0.2	40
37	BK071	72	<10	82	<2	<0.2	1	<0.2	40
38	BK072	67	<10	75	<2	<0.2	1	<0.2	40
39	BK074	71	<10	76	<2	<0.2	1	<0.2	40
40	BK076	80	<10	71	<2	<0.2	1	<0.2	40
41	BK078	69	<10	48	<2	<0.2	1	<0.2	40
42	BK080	66	<10	43	<2	<0.2	1	<0.2	40
43	BK082	57	<10	53	<2	<0.2	1	<0.2	50
44	BK084	63	<10	36	<2	<0.2	1	<0.2	50
45	BK086	55	<10	76	<2	<0.2	1	<0.2	60
46	BK088	68	<10	67	<2	<0.2	1	<0.2	40
47	BK090	66	<10	64	<2	<0.2	1	<0.2	40
48	BK093	32	<10	50	<2	<0.2	1	<0.2	40
49	BK094	62	<10	40	<2	<0.2	1	<0.2	50
50	BK096	77	<10	51	<2	<0.2	1	<0.2	50

Appendix 27 Chemical analyses of geochemical soil samples in basalt area of area B

No.	Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Au (ppb)	Ag (ppm)	As (ppm)	Sb (ppm)	Hg (ppb)
51	BK097				<2	<0.2	1	<0.2	50
52	BK098	62	<10	37	<2	<0.2	1	<0.2	50
53	BK100	91	<10	34	<2	<0.2	1	<0.2	30
54	BK103	90	<10	33	<2	<0.2	1	<0.2	50
55	BK104	87	<10	42	<2	<0.2	1	<0.2	50
56	BK106	86	<10	37	<2	<0.2	1	<0.2	50
57	BL068	126	<10	330	<2	<0.2	1	<0.2	40
58	BL070	133	<10	115	<2	<0.2	1	<0.2	60
59	BL072	300	<10	120	<2	<0.2	<1	<0.2	60
60	BL074	108	<10	86	<2	<0.2	<1	<0.2	40
61	BL076	39	<10	86	<2	<0.2	<1	<0.2	60
62	BL077	59	<10	76	4	<0.2	<1	<0.2	60
63	BL079	54	<10	73	<2	<0.2	<1	<0.2	100
64	BL081	50	<10	79	130	<0.2	<1	<0.2	30
65	BL082	57	<10	76	6	<0.2	1	<0.2	60
66	BL083	70	<10	119	2	<0.2	2	<0.2	70
67	BL084	54	<10	52	<2	<0.2	2	<0.2	30
68	BL086	46	<10	72	<2	<0.2	1	<0.2	50
69	BL087	76	<10	93	2	<0.2	1	<0.2	50
70	BL090	70	<10	87	2	<0.2	1	<0.2	60
71	BL092	45	<10	66	<2	<0.2	<1	<0.2	40
72	BL093	72	<10	93	2	<0.2	<1	<0.2	30
73	BL094	57	<10	68	<2	<0.2	1	<0.2	30
74	BL096	39	<10	78	4	<0.2	1	<0.2	40
75	BL098	42	<10	79	<2	<0.2	<1	<0.2	40
76	BL100	39	<10	63	2	<0.2	<1	<0.2	50
77	BL102	50	<10	64	<2	<0.2	<1	<0.2	40
78	BL103	36	<10	78	<2	<0.2	<1	<0.2	40
79	BL107	49	<10	60	<2	<0.2	<1	<0.2	40
80	BN058	45	<10	88	<2	<0.2	<1	<0.2	40
81	BN063	56	<10	86	4	<0.2	<1	n.s.s.	n.s.s.
82	BN067	52	<10	85	10	n.s.s.	n.s.s.	n.s.s.	n.s.s.
83	BP065	70	<10	54	<2	<0.2	<1	<0.2	60
84	BP068	62	<10	47	<2	<0.2	<1	<0.2	50
85	BP071	32	<10	87	4	<0.2	1	n.s.s.	n.s.s.
86	BP072	46	<10	48	<2	<0.2	<1	<0.2	10
87	BR059	76	<10	95	<2	<0.2	<1	<0.2	70
88	BR063	73	<10	43	4	<0.2	<1	<0.2	60
89	BR064	39	<10	60	<4	<0.2	<1	<0.2	80
90	BR068	48	<10	85	<4	<0.2	<1	<0.2	110
91	BS071	82	<10	43	12	<0.2	1	<0.2	80
92	BS072	82	<10	40	<4	<0.2	<1	<0.2	40
93	BS075	68	<10	33	<4	<0.2	1	<0.2	40
94	BS076	80	<10	45	2	<0.2	1	<0.2	40
95	BS079	56	<10	49	2	<0.2	<1	<0.2	60
96	BV065	115	<10	85	<4	<0.2	<1	<0.2	30
97	BV069	92	<10	63	<2	<0.2	<1	<0.2	50
98	BV072	61	<10	47	4	<0.2	<1	n.s.s.	n.s.s.
99	BV086	139	<10	79	<4	<0.2	1	<0.2	90
100	BV088	55	<10	58	6	<0.2	<1	<0.2	40
101	BV089	60	<10	110	<2	<0.2	1	<0.2	80
	min.	22	<10	33	<2	<0.2	<1	<0.2	10
	max.	300	17	330	130	<0.2	4	0.2	570

Note: n.s.s. : Not sufficient sample for analysis
min. : Minimum value
max. : Maximun value

Appendix 28 Microscopic observation of rock thin section in area C

			Primary mineral											Secondary mineral													
No	Sample No.	Rock name	Q	Pl	Hb	Au	Hy	Ol	Cr	Cs	Hr	He	G	Si	At	Se	Tr	Ch	Sr	Ta	Ba	Ca	Ap	Sp	Ze	Mt	Op
1	CMR-003	basaltic lapilli stone		△		△	·																				
2	CMR-005	basalt		◎		○	○											△									○
3	CMR-007	basaltic lapilli stone		△		△	△											·									△
4	CNR-001	basalt		◎		△	○						○														△
5	CNR-004	basalt		○		○	△											△					·				△
6	CNR-009	pyroxene andesite		◎		○	△											○									△
7	CPR-005	pyroxene andesite		◎		○	△	○					○					○									△
8	CPR-006	radiolarian chert	◎								○																○
9	CPR-007	radiolarian chert	◎								○																○
10	CPR-008	serpentinite (harzburgite)					○	◎	△										◎		○						△
11	CPR-013	calcified serpentinite			◎					△																△	△
12	CPR-015	pyroxene andesite		◎		○	△						△					△					·				△
13	CSR-001	serpentinite							△										◎							·	·
14	CSR-002	serpentinite (harzburgite)					◎	◎	△										◎	○	◎					△	△
15	CTR-001	basaltic lapilli stone												○								○			○		○
16	CTR-002	serpentinite (harzburgite)			△		○	◎	△										◎		○	○				△	
17	CTR-004	olivine gabbro		◎		◎	○	◎			△								◎		○	○	·				△
18	CTR-005	olivine gabbro		◎		◎	△	◎										△	○				·				△
19	CTR-006	basalt		○		○	△	△					○					△							△		△
20	CVR-001	aphyric basit		◎		·												△				△					
21	CVR-002	ferruginious rock	△									◎															◎

Abbreviation Q;quartz, Pl;plagioclase, Hb;hornblende, Au;augite, Hy;hypersthene, Ol;olivine, Cr;chromite, Cs;chromespinel, Hr;hercynite He;hematite, G;glass, At;actinolite, Se;sericite, Tr;tremolite, Ch;chlorite, Sr;serpentine, Ta;talc, Ba;bastite, Ca;carbonate mineral, Ap;apatite, Sp;sphene, Ze;zeolite, Mt;magnetite, Op;opaque mineral

Symbols ◎;abundant, ○;common, △;rare, ·;trace

Appendix 29 Results of X-ray diffraction in area C

No	Sample No.	Mineral / Rock name	Pl	Hb	Cpx	Mo	Chl	Chry	Clp
1	CMR-003	basaltic lapillistone	○		△	△			
2	CMR-007	basaltic lapillistone	○		○	△			△
3	CNR-001	basalt	○		△	△			○
4	CNR-009	pyroxene andesite	○		△	△			
5	CPR-005	pyroxene andesite	○		△	○			
6	CPR-008	serpentinite						◎	
7	CSR-001	serpentinite						◎	
8	CTR-002	serpentinite						◎	
9	CTR-004	olivine gabbro	○	△	△	·	△		
10	CTR-005	olivine gabbro	○		△	△		·	
11	CVR-001	aphyric basalt	○		·	·			

Abbreviation Pl;plagioclase, Hb;hornblende, Cpx;clinopyroxene, Mo;montmorillonite
Chl;chlorite, Chr;chrysotile, Clp;clinoptilolite

Symbols ◎;abundant, ○;common, △;rare, ·;trace

Appendix 30 Chemical analyses of geochemical soil samples in area C (1)

No.	Sample No.	Longitude	Latitude	Geology	Horizon	Depth cm	Color	Cu ppm	Pb ppm	Zn ppm	Au ppb	Ag ppm	As ppm	Sb ppm	Hg ppb
1	CN003L	117°55.19'	9°10.49'	S	B	25	BR	59	<10	71	<1	<0.2	2	<0.2	110
2	CN003R	117°55.17'	9°10.53'	S	B	15	BR	63	<10	71	6	<0.2	2	<0.2	10
3	CN004L	117°55.32'	9°10.35'	B	B	20	BR	57	<10	71	<1	<0.2	1	<0.2	30
4	CN004R	117°55.35'	9°10.38'	B	B	20	BR	61	<10	72	<1	<0.2	2	<0.2	50
5	CN005L	117°55.50'	9°10.31'	B	B	15	BR	57	<10	68	2	<0.2	2	<0.2	20
6	CN005R	117°55.53'	9°10.33'	B	B	25	BR	52	<10	91	2	<0.2	2	<0.2	30
7	CN006L	117°55.60'	9°10.25'	B	B	20	BR	57	<10	69	<1	<0.2	1	<0.2	30
8	CN006R	117°55.63'	9°10.21'	B	B	15	BR	60	<10	73	<1	<0.2	2	<0.2	30
9	CN007L	117°55.70'	9°10.25'	B	B	20	BR	55	15	73	<1	<0.2	2	<0.2	30
10	CN007R	117°55.69'	9°10.29'	B	B	25	BR	56	<10	92	2	<0.2	2	<0.2	40
11	CN008L	117°52.04'	9°10.63'	G	B	25	RD	86	<10	102	<1	<0.2	<1	<0.2	10
12	CN008R	117°52.07'	9°10.64'	G	B	25	RD	74	<10	79	<1	<0.2	<1	<0.2	20
13	CN009L	117°51.51'	9°10.56'	G	B	25	RD	86	<10	152	3	<0.2	1	<0.2	10
14	CN009R	117°51.53'	9°10.59'	G	B	25	RD	95	<10	78	2	<0.2	<1	<0.2	10
15	CN001L	117°52.65'	9°10.50'	G	B	30	BR	69	144	85	<1	<0.2	<1	<0.2	80
16	CN001R	117°52.69'	9°10.50'	G	B	20	BR	43	<10	80	6	<0.2	1	<0.2	80
17	CN002L	117°53.02'	9°10.45'	G	B	25	BR	68	119	98	<1	<0.2	1	<0.2	80
18	CN002R	117°53.06'	9°10.44'	G	B	30	BR	54	<10	85	1	<0.2	<1	<0.2	50
19	CN004L	117°52.40'	9°08.85'	G	B	20	BR	40	<10	65	2	<0.2	1	<0.2	50
20	CN004R	117°52.44'	9°08.87'	G	B	25	BR	30	10	51	<1	<0.2	2	<0.2	40
21	CN005L	117°52.46'	9°08.91'	B	B	20	BR	21	12	45	1	<0.2	1	<0.2	80
22	CN005R	117°52.43'	9°08.94'	B	B	20	BR	16	<10	36	2	<0.2	2	<0.2	50
23	CN006L	117°52.45'	9°09.22'	B	B	20	BR	19	18	53	<1	<0.2	4	<0.2	60
24	CN006R	117°52.41'	9°09.21'	B	B	20	BR	14	16	29	<1	<0.2	3	<0.2	50
25	CN008L	117°52.67'	9°09.11'	S	B	20	BR	40	20	45	3	<0.2	2	<0.2	60
26	CN008R	117°52.65'	9°09.15'	S	B	20	BR	32	14	51	2	<0.2	3	<0.2	60
27	CN009L	117°52.76'	9°09.24'	H	B	20	BR	12	14	33	<1	<0.2	3	<0.2	40
28	CN009R	117°52.72'	9°09.27'	H	B	20	BR	13	10	55	<1	<0.2	8	<0.2	50
29	CN010L	117°52.17'	9°08.78'	B	B	20	BR	12	<10	28	<1	<0.2	2	<0.2	60
30	CN010R	117°52.19'	9°08.74'	B	B	20	BR	15	<10	31	<1	<0.2	1	<0.2	60
31	CN011L	117°52.18'	9°08.91'	S	B	20	BR	37	<10	65	3	<0.2	1	<0.2	50
32	CN011R	117°52.21'	9°08.94'	S	B	20	BR	34	<10	60	<1	<0.2	2	<0.2	40
33	CN012L	117°57.17'	9°10.08'	H	B	20	BR	34	13	60	<1	<0.2	2	<0.2	30
34	CN012R	117°57.23'	9°10.08'	H	B	20	BR	35	20	67	<1	<0.2	2	<0.2	30
35	CN013L	117°57.30'	9°09.85'	B	B	20	BR	57	<10	93	<1	<0.2	2	<0.2	40
36	CN013R	117°57.31'	9°09.90'	B	B	20	BR	31	10	70	<1	<0.2	2	<0.2	60
37	CN014L	117°57.40'	9°09.91'	B	B	20	BR	51	70	101	<1	<0.2	1	<0.2	40
38	CN014R	117°57.36'	9°09.92'	B	B	20	BR	42	18	60	<1	<0.2	3	<0.2	60
39	CN016L	117°57.33'	9°09.78'	B	B	20	BR	62	<10	110	1	<0.2	1	<0.2	60
40	CN016R	117°57.36'	9°09.75'	B	B	20	BR	62	10	101	2	<0.2	2	<0.2	40
41	CN017L	117°57.14'	9°09.27'	B	B	20	BR	44	14	109	4	<0.2	2	<0.2	50
42	CN017R	117°57.17'	9°09.25'	B	B	20	BR	70	<10	92	1	<0.2	3	<0.2	60
43	CN018L	117°57.30'	9°09.02'	B	B	20	BR	35	<10	92	2	<0.2	1	<0.2	70
44	CN018R	117°57.34'	9°09.03'	B	B	20	BR	36	<10	93	<1	<0.2	1	<0.2	80
45	CN019L	117°57.10'	9°10.29'	H	B	20	BR	27	11	51	<1	<0.2	2	<0.2	40
46	CN019R	117°57.15'	9°10.28'	H	B	20	BR	30	14	59	<1	<0.2	2	<0.2	40
47	CP001L	117°54.17'	9°10.57'	B	B	10	RD	58	<10	110	<1	<0.2	1	<0.2	60
48	CP001R	117°54.21'	9°10.56'	B	B	10	RD	61	<10	111	2	<0.2	1	<0.2	70
49	CP002L	117°54.07'	9°10.28'	B	B	10	RD	56	<10	105	<1	<0.2	1	<0.2	70
50	CP002R	117°54.10'	9°10.28'	B	B	10	RD	60	<10	106	1	<0.2	1	<0.2	60
51	CP003L	117°53.54'	9°10.34'	G	B	10	BR	52	<10	102	<1	<0.2	1	<0.2	80
52	CP003R	117°53.57'	9°10.32'	G	B	10	BR	58	<10	84	<1	<0.2	1	<0.2	60
53	CP006L	117°55.58'	9°10.12'	B	B	10	RD	57	<10	71	<1	<0.2	1	<0.2	40
54	CP006R	117°55.61'	9°10.13'	B	B	10	RD	59	<10	78	1	<0.2	2	<0.2	40
55	CP007L	117°55.74'	9°09.82'	S	B	10	RD	51	<10	75	<1	<0.2	1	<0.2	40
56	CP007R	117°55.74'	9°09.87'	S	B	10	RD	52	<10	75	<1	<0.2	3	<0.2	40
57	CP008L	117°55.63'	9°09.89'	S	B	10	RD	53	<10	73	<1	<0.2	1	<0.2	80
58	CP008R	117°55.66'	9°09.91'	S	B	10	RD	56	<10	68	1	<0.2	1	<0.2	30
59	CP009L	117°55.36'	9°09.74'	B	B	10	RD	20	<10	54	<1	<0.2	1	<0.2	40
60	CP009R	117°55.33'	9°09.71'	B	B	10	RD	49	53	71	<1	<0.2	3	<0.2	60
61	CP011L	117°55.51'	9°09.64'	B	B	10	RD	66	<10	68	<1	<0.2	1	<0.2	70
62	CP011R	117°55.49'	9°09.61'	B	B	10	RD	79	<10	67	1	<0.2	2	<0.2	130
63	CP012L	117°55.52'	9°09.57'	S	B	10	RD	200	14	115	<1	<0.2	2	<0.2	70
64	CP012R	117°55.56'	9°09.56'	S	B	10	RD	61	<10	67	<1	<0.2	1	<0.2	30
65	CP013L	117°57.18'	9°09.88'	B	B	10	RD	53	<10	88	<1	<0.2	1	0.8	50
66	CP013R	117°57.21'	9°09.85'	B	B	10	RD	129	<10	148	1	<0.2	1	<0.2	60
67	CP014L	117°57.19'	9°09.96'	H	B	10	RD	50	<10	86	2	<0.2	1	0.6	70
68	CP014R	117°57.24'	9°09.98'	H	B	10	RD	32	10	62	<1	<0.2	2	0.6	50
69	CP017L	117°57.13'	9°09.44'	B	B	10	RD	58	<10	72	<1	<0.2	2	0.8	40
70	CP017R	117°57.18'	9°09.44'	B	B	10	BR	46	<10	91	<1	<0.2	1	0.6	70

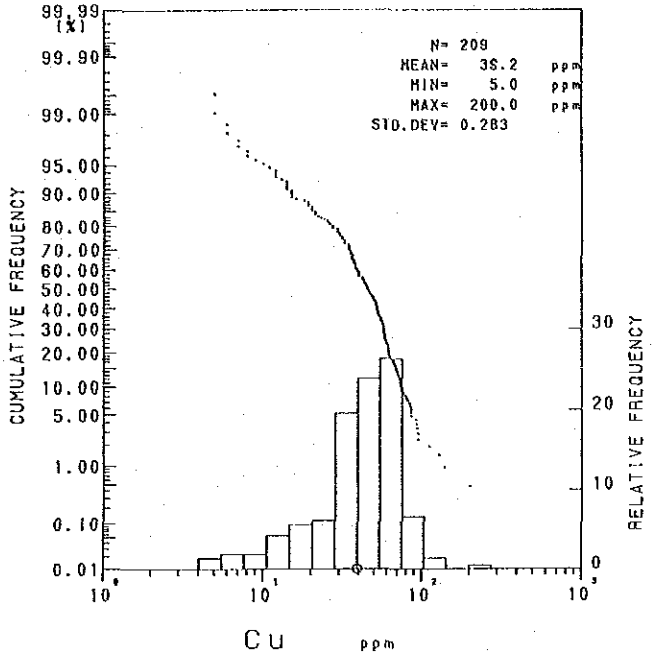
Appendix 30 Chemical analyses of geochemical soil samples in area C (2)

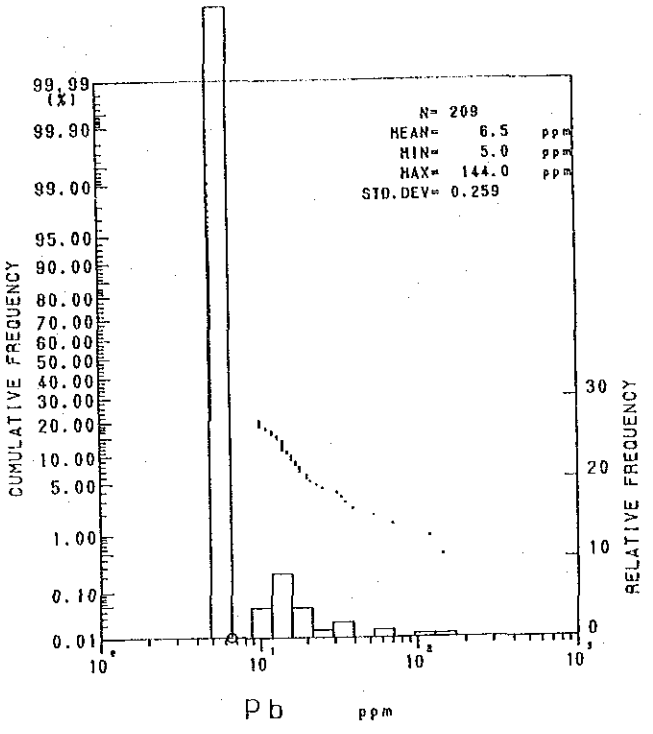
No.	Sample No.	Longitude	Latitude	Geology	Horizon	Depth cm	Color	Cu ppm	Pb ppm	Zn ppm	Au ppb	Ag ppm	As ppm	Sb ppm	Hg ppb
71	CP018L	117°57.13'	9°09.35'	B	B	10	RD	40	<10	89	1	<0.2	1	0.6	70
72	CP018R	117°57.13'	9°09.31'	B	B	10	RD	40	13	87	<1	<0.2	1	0.6	70
73	CP019L	117°57.16'	9°09.32'	B	B	10	RD	53	11	89	3	<0.2	2	0.6	50
74	CP019R	117°57.19'	9°09.33'	B	B	10	RD	42	<10	89	<1	<0.2	1	0.6	80
75	CP021L	117°56.95'	9°09.35'	B	B	10	RD	46	<10	101	<1	<0.2	1	0.4	100
76	CR001L	117°53.39'	9°08.44'	H	B	15	BR	20	<10	88	<1	<0.2	1	0.2	80
77	CR001R	117°53.43'	9°08.44'	H	B	15	BR	66	<10	107	<1	<0.2	1	0.6	100
78	CR002L	117°53.36'	9°08.28'	H	B	15	BR	34	<10	59	<1	<0.2	1	0.4	30
79	CR002R	117°53.40'	9°08.27'	H	B	15	BR	38	<10	64	2	<0.2	1	0.4	30
80	CR003L	117°53.58'	9°08.22'	H	B	15	BR	6	<10	30	<1	<0.2	1	0.2	70
81	CR003R	117°53.61'	9°08.24'	H	B	15	BR	7	<10	66	<1	<0.2	1	0.4	60
82	CR004L	117°53.65'	9°08.02'	H	B	15	BR	5	<10	70	<1	<0.2	1	0.2	90
83	CR004R	117°53.68'	9°08.00'	H	B	15	BR	5	<10	72	<1	<0.2	2	0.2	100
84	CR005L	117°53.63'	9°08.33'	H	B	15	BR	5	<10	36	<1	<0.2	1	0.2	40
85	CR005R	117°53.59'	9°08.38'	H	B	15	BR	31	<10	64	1	<0.2	1	0.2	50
86	CR006L	117°54.67'	9°08.25'	H	B	15	RD	9	<10	48	2	<0.2	1	0.2	60
87	CR006R	117°54.67'	9°08.29'	H	B	15	RD	22	<10	55	2	<0.2	1	0.4	80
88	CR007L	117°55.14'	9°08.12'	H	B	15	RD	8	<10	60	3	<0.2	1	0.2	80
89	CR008L	117°54.57'	9°07.97'	H	B	15	BR	27	<10	53	4	<0.2	1	0.2	100
90	CR008R	117°54.61'	9°08.00'	H	B	15	BR	36	23	88	<1	<0.2	1	0.2	110
91	CR009R	117°54.69'	9°07.89'	H	B	15	RD	44	<10	71	<1	<0.2	1	0.4	70
92	CR010L	117°54.92'	9°07.72'	H	B	15	RD	26	<10	43	<1	<0.2	1	0.4	60
93	CR010R	117°54.94'	9°07.75'	H	B	15	RD	12	<10	36	1	<0.2	<1	0.2	90
94	CR011L	117°54.62'	9°07.78'	H	B	15	BR	40	15	53	<1	<0.2	2	0.6	120
95	CR011R	117°54.64'	9°07.80'	H	B	15	BR	21	<10	58	<1	<0.2	1	0.4	60
96	CR012L	117°54.51'	9°07.81'	H	B	15	RD	19	<10	64	<1	<0.2	1	0.4	80
97	CR012R	117°54.54'	9°07.78'	H	B	15	BR	39	31	61	<1	<0.2	1	0.4	120
98	CR013L	117°54.55'	9°07.66'	H	B	15	RD	38	35	114	<1	<0.2	1	0.2	60
99	CR014L	117°54.37'	9°07.72'	H	B	15	RD	25	10	40	<1	<0.2	1	0.2	70
100	CR014R	117°54.35'	9°07.69'	H	B	15	RD	55	18	108	3	<0.2	1	0.4	70
101	CR015L	117°54.46'	9°07.53'	H	B	15	RD	37	12	58	<1	<0.2	2	0.6	50
102	CR015R	117°54.49'	9°07.55'	H	B	15	RD	32	<10	46	<1	<0.2	2	0.4	60
103	CS001L	117°52.44'	9°09.82'	B	B	15	BR	112	<10	55	1	<0.2	1	0.2	70
104	CS001R	117°52.42'	9°09.86'	B	B	15	BR	73	<10	49	2	<0.2	1	0.4	50
105	CS002L	117°52.61'	9°09.81'	B	B	15	BR	70	<10	81	2	<0.2	1	0.4	70
106	CS002R	117°52.64'	9°09.83'	B	B	15	BR	72	<10	143	<1	<0.2	1	0.4	70
107	CS003L	117°52.39'	9°09.93'	B	B	15	BR	62	13	85	<1	<0.2	3	0.2	70
108	CS003R	117°52.37'	9°09.96'	B	B	15	BR	53	<10	48	<1	<0.2	1	0.2	40
109	CS004L	117°52.77'	9°08.80'	S	B	15	BR	46	<10	64	<1	<0.2	2	0.4	60
110	CS004R	117°52.74'	9°08.83'	S	B	15	BR	43	<10	56	<1	<0.2	1	0.2	50
111	CS005L	117°52.93'	9°08.94'	S	B	20	BR	38	17	68	1	<0.2	3	0.6	50
112	CS005R	117°52.88'	9°08.94'	S	B	20	BR	40	16	66	<1	<0.2	3	0.4	60
113	CS006L	117°53.11'	9°09.20'	D	B	15	BR	35	<10	52	2	<0.2	2	0.4	50
114	CS006R	117°53.09'	9°09.24'	D	B	15	BR	34	<10	57	1	<0.2	3	0.4	60
115	CS007L	117°52.71'	9°08.60'	S	B	20	BR	36	14	65	<1	<0.2	2	0.2	60
116	CS007R	117°52.74'	9°08.56'	S	B	15	BR	36	16	55	1	<0.2	2	0.4	50
117	CS008L	117°52.61'	9°08.43'	B	B	20	BR	38	<10	59	<1	<0.2	2	0.2	30
118	CS008R	117°52.65'	9°08.41'	B	B	15	BR	38	<10	61	<1	<0.2	2	0.2	40
119	CS009L	117°54.15'	9°08.56'	H	B	15	BR	23	<10	78	<1	<0.2	1	<0.2	100
120	CS009R	117°54.12'	9°08.58'	H	B	15	BR	19	<10	80	<1	<0.2	1	<0.2	70
121	CS010L	117°54.23'	9°08.69'	H	B	15	BR	29	<10	83	3	<0.2	1	<0.2	90
122	CS010R	117°54.20'	9°08.72'	H	B	20	BR	21	<10	78	<1	<0.2	1	<0.2	60
123	CS011L	117°54.30'	9°08.78'	H	B	15	BR	29	<10	80	<1	<0.2	1	<0.2	80
124	CS011R	117°54.27'	9°08.81'	H	B	15	BR	24	<10	61	<1	<0.2	1	<0.2	60
125	CS012L	117°54.19'	9°08.37'	H	B	15	BR	14	<10	78	1	<0.2	1	<0.2	70
126	CS012R	117°54.23'	9°08.38'	H	B	15	BR	42	<10	81	<1	<0.2	1	<0.2	60
127	CS013L	117°54.37'	9°08.40'	H	B	15	BR	15	<10	54	<1	<0.2	1	<0.2	70
128	CS013R	117°54.42'	9°08.40'	H	B	15	BR	50	<10	64	<1	<0.2	1	<0.2	70
129	CS014L	117°54.39'	9°08.24'	H	B	25	BR	6	<10	49	<1	<0.2	1	<0.2	90
130	CS014R	117°54.43'	9°08.27'	H	B	25	BR	26	<10	69	<1	<0.2	1	<0.2	100
131	CS015L	117°54.46'	9°08.30'	H	B	25	BR	15	<10	58	<1	<0.2	1	<0.2	70
132	CS015R	117°54.44'	9°08.34'	H	B	25	BR	45	<10	75	<1	<0.2	1	<0.4	60
133	CS016L	117°54.65'	9°08.43'	H	B	15	BR	8	<10	59	1	<0.2	1	<0.2	50
134	CS016R	117°54.66'	9°08.47'	H	B	15	BR	11	<10	58	1	<0.2	1	<0.2	80
135	CS017L	117°54.63'	9°08.55'	H	B	15	BR	34	<10	64	<1	<0.2	1	<0.2	50
136	CS017R	117°54.60'	9°08.54'	H	B	15	BR	18	<10	49	<1	<0.2	1	<0.2	50
137	CS018L	117°54.67'	9°08.55'	H	B	15	BR	38	12	62	1	<0.2	1	0.2	50
138	CS018R	117°54.65'	9°08.59'	H	B	15	BR	27	<10	85	<1	<0.2	1	<0.2	60
139	CT001L	117°54.64'	9°10.58'	S	B	15	BR	43	<10	107	<1	<0.2	1	<0.2	60
140	CT001R	117°54.66'	9°10.61'	S	B	15	BR	47	<10	118	1	<0.2	1	<0.2	60

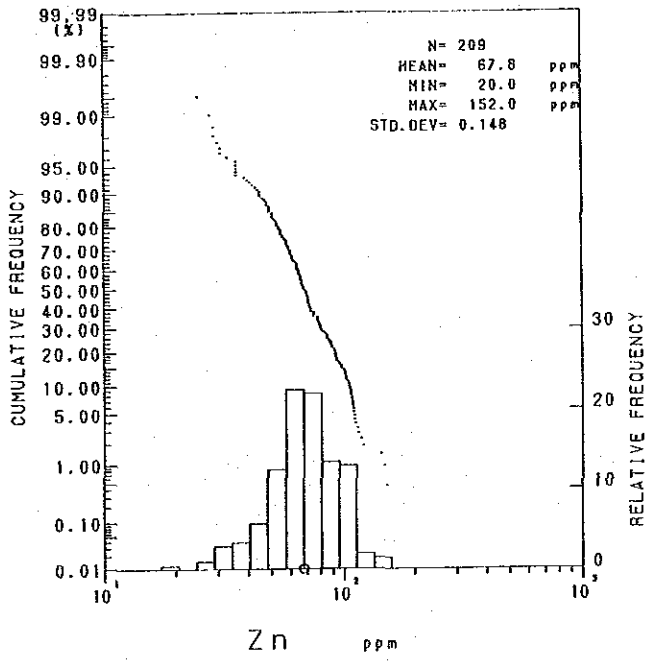
Appendix 30 Chemical analyses of geochemical soil samples in area C (3)

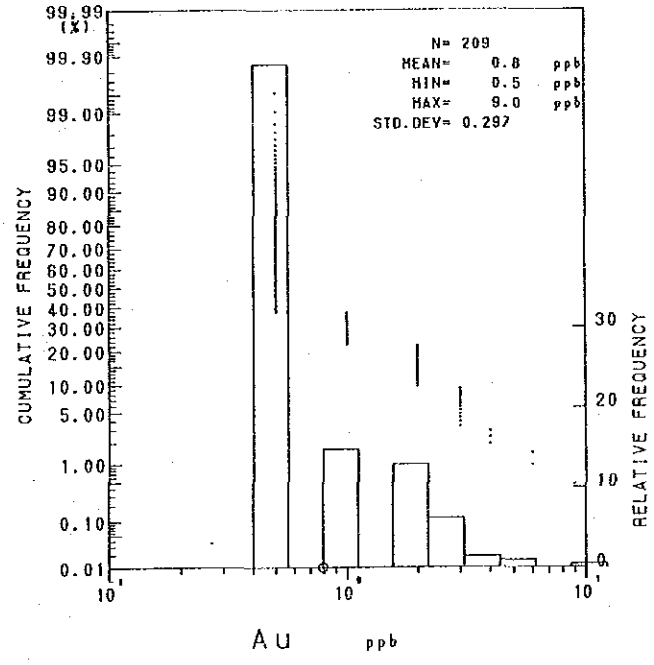
No.	Sample No.	Longitude	Latitude	Geology	Horizon	Depth cm	Color	Cu ppm	Pb ppm	Zn ppm	Au ppb	Ag ppm	As ppm	Sb ppm	Hg ppb
141	CT002L	117°54.46'	9°10.62'	S	B	5	BR	75	<10	92	1	<0.2	<1	<0.2	60
142	CT002R	117°54.51'	9°10.61'	S	B	10	BR	37	<10	79	<1	<0.2	1	<0.2	70
143	CT003L	117°54.51'	9°10.30'	B	B	10	BR	36	<10	105	<1	<0.2	<1	<0.2	110
144	CT003R	117°54.55'	9°10.30'	B	B	10	BR	58	<10	111	<1	<0.2	<1	<0.2	70
145	CT004L	117°54.39'	9°10.04'	B	B	5	BR	52	<10	102	<1	<0.2	<1	<0.2	90
146	CT004R	117°54.42'	9°10.03'	B	B	5	BR	73	21	75	2	<0.2	3	<0.2	70
147	CT005L	117°54.49'	9°09.85'	B	B	5	BR	35	<10	107	<1	<0.2	<1	<0.2	120
148	CT005R	117°54.51'	9°09.89'	B	B	5	BR	51	<10	93	<1	<0.2	<1	<0.2	110
149	CT006L	117°54.36'	9°09.90'	B	B	5	BR	58	<10	100	2	<0.2	<1	<0.2	60
150	CT006R	117°54.39'	9°09.88'	B	B	5	BR	49	<10	108	<1	<0.2	<1	<0.2	80
151	CT007L	117°55.46'	9°09.39'	H	B	5	BR	43	25	55	<1	<0.2	1	<0.2	90
152	CT007R	117°55.50'	9°09.40'	H	B	5	BR	73	<10	66	<1	<0.2	<1	<0.2	70
153	CT008L	117°55.30'	9°09.44'	H	B	5	BR	10	<10	44	<1	<0.2	<1	<0.2	70
154	CT008R	117°55.30'	9°09.40'	H	B	5	BR	45	<10	60	<1	<0.2	1	<0.2	80
155	CT009L	117°54.98'	9°09.50'	H	B	5	GR	14	<10	20	<1	<0.2	<1	<0.2	40
156	CT009R	117°54.98'	9°09.46'	H	B	5	BR	67	17	79	<1	<0.2	2	0.2	80
157	CT010L	117°54.98'	9°09.36'	H	B	5	BR	53	<10	67	<1	<0.2	1	<0.2	100
158	CT010R	117°55.00'	9°09.33'	H	B	5	BR	57	39	72	<1	<0.2	1	<0.2	60
159	CT011L	117°55.40'	9°09.18'	H	B	5	BR	45	<10	67	1	<0.2	2	<0.2	40
160	CT011R	117°55.45'	9°09.16'	H	B	5	BR	39	<10	71	3	<0.2	3	<0.2	40
161	CT012L	117°55.67'	9°09.16'	H	B	5	BR	95	<10	51	3	<0.2	1	<0.2	40
162	CT012R	117°55.69'	9°09.21'	H	B	5	BR	57	<10	65	2	<0.2	1	<0.2	60
163	CT013L	117°55.56'	9°08.89'	H	B	5	BR	49	<10	70	1	<0.2	1	<0.2	70
164	CT013R	117°55.61'	9°08.87'	H	B	5	BR	57	<10	75	<1	<0.2	1	<0.2	60
165	CT014L	117°55.49'	9°08.72'	H	B	5	BR	48	<10	61	<1	<0.2	1	<0.2	70
166	CT014R	117°55.52'	9°08.69'	H	B	5	BR	55	<10	71	<1	<0.2	1	<0.2	60
167	CT015L	117°55.70'	9°08.60'	H	B	5	BR	61	<10	67	<1	<0.2	1	<0.2	50
168	CT015R	117°55.71'	9°08.64'	H	B	5	BR	52	<10	80	3	<0.2	2	<0.2	60
169	CT016L	117°55.73'	9°08.97'	H	B	5	BR	51	<10	73	<1	<0.2	2	<0.2	50
170	CT016R	117°55.74'	9°09.00'	H	B	5	BR	69	<10	72	1	<0.2	1	0.2	70
171	CT017R	117°55.95'	9°08.96'	H	B	5	BR	86	<10	25	2	<0.2	1	<0.2	80
172	CT018L	117°55.90'	9°08.85'	H	B	5	BR	92	<10	29	4	<0.2	1	<0.2	60
173	CT018R	117°55.94'	9°08.86'	H	B	5	BR	74	<10	49	1	<0.2	1	<0.2	80
174	CT019L	117°55.75'	9°08.42'	H	B	5	BR	71	<10	70	1	<0.2	1	<0.2	70
175	CT019R	117°55.79'	9°08.41'	H	B	5	BR	93	<10	36	2	<0.2	1	<0.2	40
176	CT020L	117°55.69'	9°08.31'	H	B	5	BR	58	<10	64	<1	<0.2	1	0.2	70
177	CT020R	117°55.71'	9°08.28'	H	B	5	BR	77	<10	66	3	<0.2	1	<0.2	60
178	CT021R	117°55.93'	9°08.23'	H	B	5	BR	48	<10	41	2	<0.2	1	<0.2	60
179	CT022L	117°55.76'	9°08.19'	H	B	5	BR	68	<10	63	3	<0.2	1	<0.2	30
180	CT022R	117°55.76'	9°08.14'	H	B	5	BR	60	<10	48	2	<0.2	1	<0.2	50
181	CT023L	117°55.83'	9°07.93'	H	B	5	BR	80	<10	31	9	<0.2	1	<0.2	50
182	CT023R	117°55.87'	9°07.91'	H	B	5	BR	54	<10	54	2	<0.2	1	<0.2	50
183	CV001L	117°52.23'	9°09.94'	B	B	30	BR	44	<10	66	<1	<0.2	1	<0.2	40
184	CV001R	117°52.25'	9°09.98'	B	B	30	BR	47	<10	97	<1	<0.2	1	<0.2	80
185	CV002L	117°52.65'	9°09.91'	B	B	20	BR	62	<10	104	<1	<0.2	1	<0.2	80
186	CV002R	117°52.63'	9°09.95'	B	B	20	BR	75	<10	95	<1	<0.2	2	<0.2	60
187	CV003L	117°52.99'	9°08.49'	S	B	30	BR	140	33	121	<1	<0.2	29	1.0	120
188	CV003R	117°53.03'	9°08.46'	S	B	30	BR	31	<10	70	<1	<0.2	3	<0.2	80
189	CV004L	117°53.06'	9°08.21'	S	B	20	BR	45	<10	92	<1	<0.2	2	<0.2	100
190	CV004R	117°53.10'	9°08.24'	S	B	20	BR	63	<10	96	<1	<0.2	3	<0.2	60
191	CV005L	117°53.14'	9°07.90'	B	B	20	BR	85	<10	109	<1	<0.2	3	0.2	60
192	CV005R	117°53.19'	9°07.91'	B	B	20	BR	29	<10	52	1	<0.2	2	<0.2	60
193	CV006L	117°53.14'	9°07.66'	B	B	20	BR	51	<10	81	<1	<0.2	1	<0.2	90
194	CV006R	117°53.18'	9°07.66'	B	B	20	BR	94	<10	70	1	<0.2	3	0.2	40
195	CV007L	117°53.25'	9°07.74'	H	B	20	BR	65	<10	66	1	<0.2	1	<0.2	50
196	CV007R	117°53.28'	9°07.77'	H	B	20	BR	32	<10	57	1	<0.2	1	0.2	80
197	CV008L	117°52.89'	9°08.38'	B	B	20	BR	84	<10	112	<1	<0.2	2	<0.2	90
198	CV008R	117°52.92'	9°08.34'	B	B	20	BR	82	<10	98	<1	<0.2	2	<0.2	90
199	CV009L	117°53.18'	9°08.53'	S	B	30	BR	37	<10	61	<1	<0.2	1	<0.2	40
200	CV009R	117°53.19'	9°08.57'	S	B	30	BR	55	<10	58	<1	<0.2	8	<0.2	40
201	CV010L	117°53.60'	9°08.56'	H	B	20	BR	15	<10	53	<1	<0.2	1	<0.2	60
202	CV010R	117°53.58'	9°08.53'	H	B	20	BR	16	<10	58	<1	<0.2	1	<0.2	0
203	CV011L	117°53.74'	9°08.52'	H	B	30	BR	34	<10	56	<1	<0.2	1	<0.2	40
204	CV011R	117°53.70'	9°08.55'	H	B	30	BR	7	<10	42	<1	<0.2	1	<0.2	30
205	CV012L	117°53.80'	9°08.72'	H	B	20	BR	30	<10	47	2	<0.2	1	<0.2	40
206	CV012R	117°53.77'	9°08.75'	H	B	20	BR	25	<10	45	<1	<0.2	1	<0.2	40
207	CV013L	117°53.73'	9°08.75'	H	B	20	BR	20	<10	36	<1	<0.2	1	<0.2	40
208	CV013R	117°53.69'	9°08.73'	H	B	20	BR	14	<10	39	2	<0.2	1	<0.2	40
209	CV014L	117°53.88'	9°08.38'	H	B	30	BR	39	<10	65	<1	<0.2	2	<0.2	40
210	CV014R	117°53.92'	9°08.39'	H	B	30	BR	49	<10	65	3	<0.2	1	<0.2	30

Geology : D;dunite, H;harzburgite, S;serpentinite, G;gabbro, B;basalt
Color : BL;black, GR;gray, BR;brown, OR;orange, RD;red

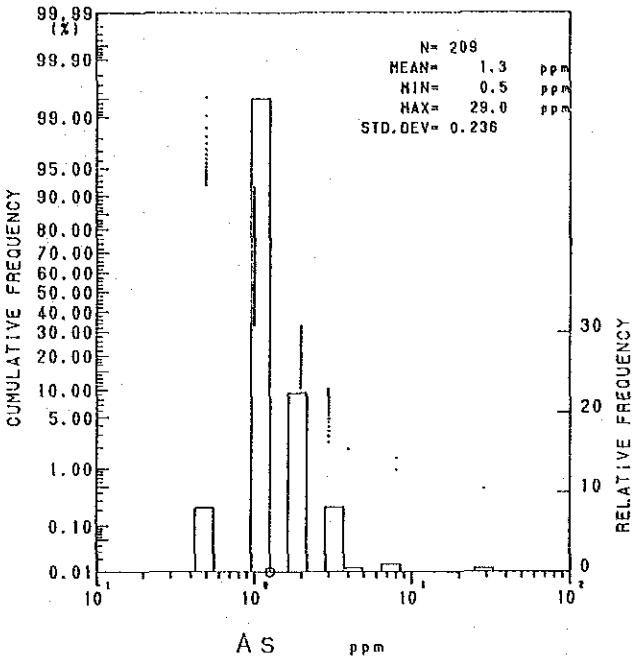


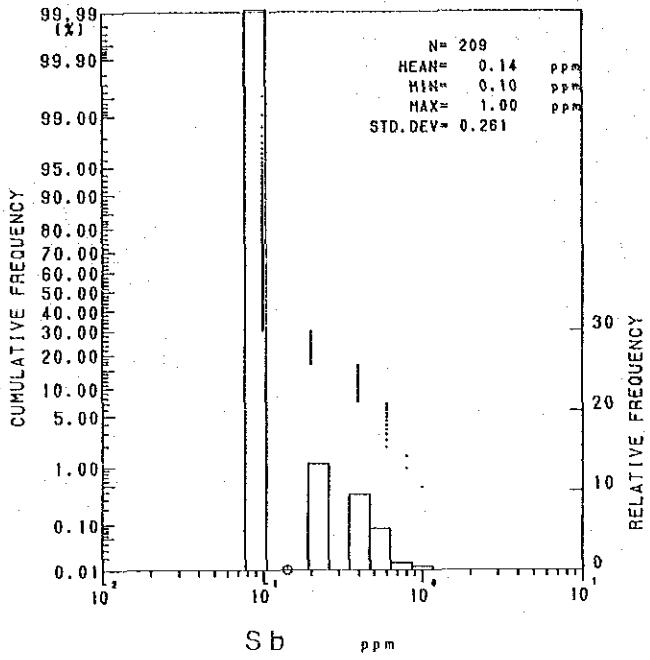


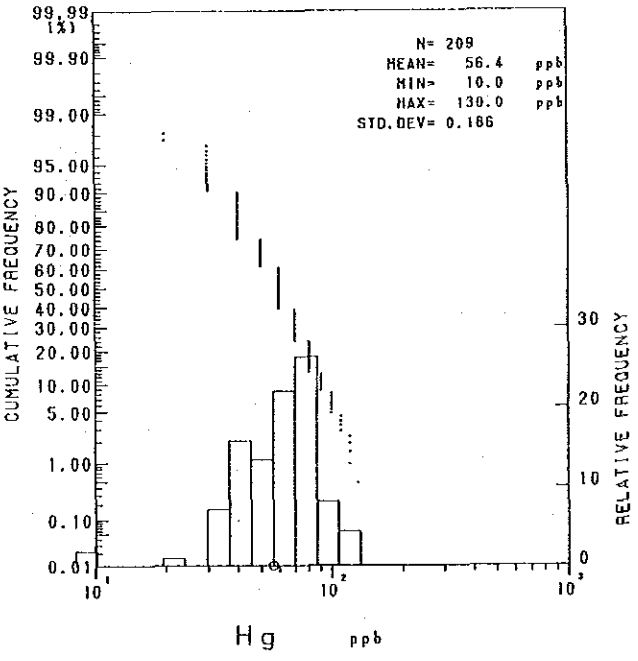




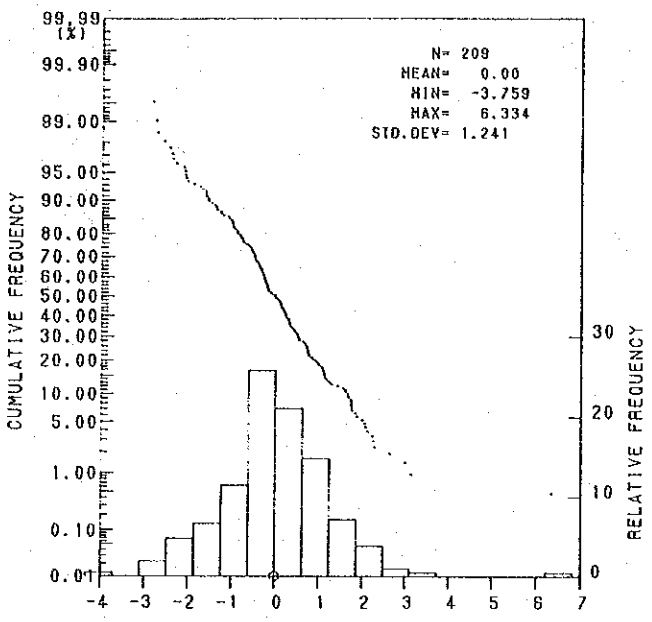
Appendix 31 Cumulative probability plots and histograms of soil samples in area C



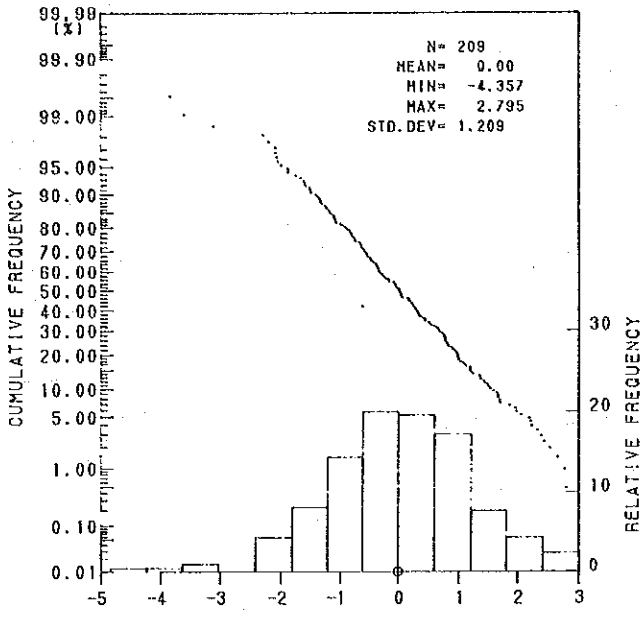




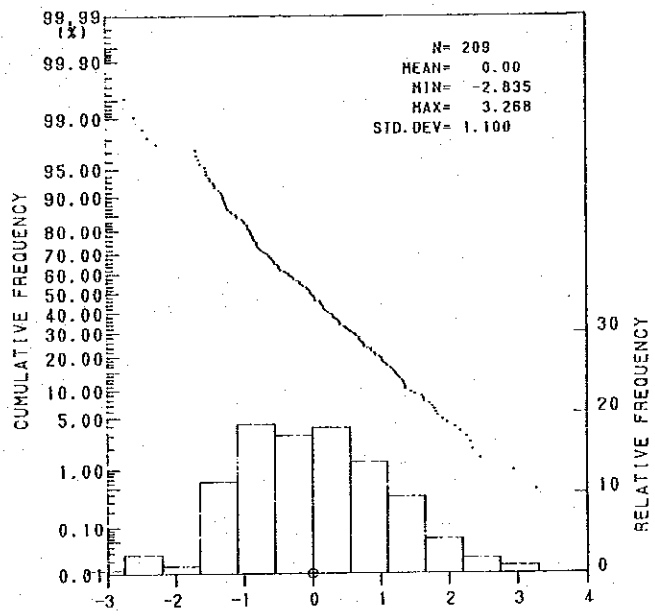
Appendix 31 Cumulative probability plots and histograms of soil samples in area C



Z1



Z2



Z3

Appendix 32 Cumulative probability plots and histograms of scores for principal components analyses of soil samples in area C

Appendix 33 Chemical analyses of heavy mineral in area C

No.	Sample No.	Au (ppb)	Ag (ppm)
1	CM001H	<1	<0.2
2	CM002H	1	<0.2
3	CM004H	<1	<0.2
4	CM006H	2	<0.2
5	CM008H	<1	<0.2
6	CM009H	<1	<0.2
7	CN001H	<1	<0.2
8	CN003H	<1	<0.2
9	CN005H	<1	<0.2
10	CN006H	<1	<0.2
11	CN007H	<1	<0.2
12	CN008H	4	<0.2
13	CP001H	<1	<0.2
14	CP002H	1	<0.2
15	CP003H	4	<0.2
16	CP004H	<1	<0.2
17	CP009H	<1	<0.2
18	CP010H	<1	<0.2
19	CP011H	4	<0.2
20	CP012H	<1	<0.2
21	CP014H	<1	<0.2
22	CR001H	<1	<0.2
23	CR002H	<1	<0.2
24	CR003H	<1	<0.2
25	CR004H	<1	<0.2
26	CR005H	<1	<0.2
27	CR006H	<1	<0.2
28	CS001H	<1	<0.2
29	CS002H	6	<0.2
30	CS003H	<1	<0.2
31	CS004H	<1	<0.2
32	CS005H	<1	<0.2
33	CS006H	<1	<0.2
34	CT001H	<1	<0.2
35	CT002H	<1	<0.2
36	CT003H	<1	<0.2
37	CT004H	<1	<0.2
38	CT005H	<1	<0.2
39	CV001H	<1	<0.2
40	CV002H	<1	<0.2
41	CV003H	<1	<0.2
42	CV004H	<1	<0.2
43	CV005H	<1	<0.2
44	CV006H	<1	<0.2

Appendix 34 Chemical compositions of rock samples (1)

	ACR001	ACR002	ADR001	ADR007	AER001	AER002	AER005	AFR002	AFR003	AFR006
	serp.	serp.	lherz.	lherz.	serp.	lherz.	harz.	dunite	harz.	lherz.
AREA	A	A	A	A	A	A	A	A	A	A
SiO2	32.08	29.77	38.61	37.01	33.66	37.47	37.03	37.32	37.89	34.49
TiO2	0.04	0.08	0.03	0.02	0.01	0.02	<0.01	<0.01	0.01	<0.01
Al2O3	1.40	2.11	0.80	0.53	0.07	0.44	0.05	0.05	0.77	0.19
Fe2O3	8.78	9.62	4.56	2.92	5.32	5.06	3.82	3.67	3.13	3.90
FeO	0.80	0.54	2.24	3.88	2.35	6.58	3.31	3.60	4.00	2.22
MnO	0.13	0.15	0.08	0.09	0.12	0.15	0.10	0.09	0.11	0.07
MgO	29.51	26.49	37.19	43.93	41.57	36.40	44.99	42.24	38.19	41.64
CaO	0.57	0.65	0.38	0.55	0.19	2.95	0.29	0.09	0.94	0.23
Na2O	0.09	0.17	0.09	0.04	<0.01	<0.01	<0.01	<0.01	0.03	0.02
K2O	0.04	0.04	0.05	0.03	0.03	0.04	0.03	0.05	0.03	0.02
P2O5	<0.01	<0.01	0.03	0.04	0.04	0.03	0.02	0.03	0.02	0.02
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	2.63	7.89	0.57	0.29	0.34	0.07	0.31	0.70	0.31	0.41
NiO	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
LOI	12.17	10.96	13.33	10.99	16.40	9.80	10.15	12.18	12.16	14.49
total	87.37	87.52	97.97	100.33	100.11	99.02	100.12	100.03	97.60	97.71
					Norm					
Q	0.00 *	0.00 *	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	0.17	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
or	0.24	0.24	0.30	0.18	0.18	0.24	0.18	0.27	0.18	0.12
ab	0.76	1.44	0.76	0.34	0.00	0.00	0.00	0.00	0.25	0.17
an	2.83	3.22	1.63	1.18	0.10	1.08	0.05	0.00	1.88	0.37
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
di	0.00	0.00	0.05	0.97	0.45	9.73	0.96	0.19	1.99	0.50
hd	0.00	0.00	0.00	0.04	0.00	0.76	0.02	0.00	0.09	0.00
en	14.68	15.44	31.58	6.28	7.78	11.09	7.53	15.86	20.59	9.13
fs	2.77	2.39	0.00	0.26	0.00	0.99	0.19	0.48	1.02	0.06
fo	41.22	35.42	42.77	71.96	66.96	52.60	72.94	62.55	51.58	66.12
fa	8.58	6.04	0.00	3.34	0.00	5.18	2.06	2.07	2.81	0.45
mt	0.00	0.00	6.56	4.23	7.45	7.34	5.54	5.32	4.54	5.65
cm	3.87	11.62	0.84	0.43	0.50	0.10	0.46	1.03	0.46	0.60
ht	0.00	0.00	0.04	0.00	0.18	0.00	0.00	0.00	0.00	0.00
il	0.08	0.15	0.06	0.04	0.02	0.04	0.00	0.00	0.02	0.00
ap	0.00	0.00	0.07	0.09	0.09	0.07	0.05	0.07	0.05	0.05
total	75.20	76.56	84.64	89.34	83.71	89.22	89.97	87.85	85.44	83.22

*:calculate Fe3+ --> Fe2+

	BCR002	BFR004	BGR002	BGR004	BGR006	BGR017	BGR018	BGR020	BHR003	BHR018
	ol.gb.	gabbro	dolerite	lherz.	lherz.	basalt	dunite	dunite	lherz.	harz.
AREA	B	B	B	B	B	B	B	B	B	B
SiO2	41.82	48.21	48.59	37.25	39.75	53.05	35.36	36.32	38.66	37.88
TiO2	0.06	0.13	1.44	0.04	0.01	1.19	0.01	0.03	<0.01	<0.01
Al2O3	20.10	16.77	15.51	0.72	0.46	15.13	0.88	0.93	0.38	0.36
Fe2O3	1.00	1.02	1.36	3.96	3.32	5.12	4.48	4.49	3.03	4.13
FeO	3.37	3.26	8.43	3.53	3.75	3.68	2.78	2.81	4.35	2.62
MnO	0.07	0.09	0.18	0.11	0.10	0.15	0.10	0.10	0.11	0.09
MgO	13.84	9.38	6.20	39.70	41.62	5.47	39.07	38.39	40.78	37.67
CaO	12.42	15.09	8.60	0.53	0.35	7.83	0.38	0.47	0.38	0.22
Na2O	0.89	2.05	4.73	0.16	0.08	2.79	0.10	0.11	0.03	0.04
K2O	0.05	0.11	0.30	0.02	0.03	0.74	0.03	0.03	0.01	0.01
P2O5	0.11	0.09	0.14	0.01	<0.01	0.09	0.03	0.03	0.03	0.02
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	0.02	0.02	-	0.23	0.28	<0.01	0.60	0.45	0.28	0.39
NiO	0.01	<0.01	-	0.01	0.01	<0.01	0.01	0.01	0.01	0.01
LOI	4.86	2.15	2.63	11.17	7.65	4.25	14.29	13.70	9.35	14.17
total	98.62	98.37	98.11	97.44	97.41	99.49	98.12	97.87	97.40	97.61
					Norm					
Q	0.00	0.00	0.00	0.00	0.00	11.45	0.00	0.00	0.00	0.00
C	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
or	0.30	0.65	1.77	0.12	0.18	4.37	0.18	0.18	0.06	0.06
ab	6.89	16.78	33.03	1.35	0.68	23.61	0.85	0.93	0.25	0.34
an	50.70	36.23	20.20	1.19	0.81	26.57	1.69	1.96	0.87	0.77
ne	0.35	0.30	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
di	7.09	25.41	10.44	1.05	0.70	8.69	0.00	0.14	0.61	0.14
hd	0.97	4.81	7.26	0.03	0.02	0.47	0.00	0.00	0.03	0.00
en	0.00	0.00	0.00	16.21	21.30	9.60	15.14	19.10	19.79	29.28
fs	0.00	0.00	0.00	0.52	0.84	0.59	0.17	0.24	1.06	0.39
fo	21.85	8.12	7.43	57.59	57.49	0.00	57.59	53.58	57.11	45.18
fa	3.77	1.94	6.53	2.03	2.50	0.00	0.70	0.75	3.39	0.66
mt	1.45	1.48	1.97	5.74	4.81	7.42	6.49	6.51	4.39	5.99
cm	0.03	0.03	-	0.34	0.41	0.00	0.88	0.66	0.41	0.57
ht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
il	0.11	0.25	2.73	0.08	0.02	2.26	0.02	0.06	0.00	0.00
ap	0.25	0.21	0.32	0.02	0.00	0.21	0.07	0.07	0.07	0.05
total	93.76	96.22	95.48	86.27	89.76	95.24	83.83	84.17	88.05	83.44

Appendix 34 Chemical compositions of rock samples (2)

	BHR020	BHR022	BJR001	BJR010	BJR014	BJR015	BJR022	BJR026	BJR031	BJR039
	norite	lherz.	lherz.	lherz.	dunite	dunite	norite	ol.gb.	lap.tf.	dunite
AREA	B	B	B	B	B	B	B	B	B	B
SiO2	48.11	37.93	39.33	39.71	38.20	36.91	48.87	43.76	44.30	33.75
TiO2	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	0.24	0.06	1.58	0.02
Al2O3	20.15	0.68	0.45	0.33	0.68	0.51	15.78	17.85	15.44	0.61
Fe2O3	1.35	4.29	2.83	3.55	6.06	4.25	1.40	0.48	7.51	4.29
FeO	3.85	2.35	4.20	4.01	2.68	3.06	4.65	3.15	2.59	2.74
MnO	0.09	0.09	0.11	0.11	0.11	0.11	0.12	0.08	0.18	0.09
MgO	7.57	37.30	40.60	42.35	39.42	40.33	11.00	11.51	4.59	42.00
CaO	11.97	0.48	0.48	0.37	0.16	0.28	12.85	15.00	9.35	0.59
Na2O	2.43	0.08	0.07	0.08	0.01	0.10	1.89	1.32	4.63	0.09
K2O	0.04	0.01	0.02	0.02	0.02	0.02	0.04	0.06	1.64	0.03
P2O5	0.04	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.24	0.03
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	-	0.20	0.20	0.20	0.94	0.77	0.02	<0.01	<0.01	0.20
NiO	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
LOI	1.82	14.07	8.98	9.31	13.81	13.36	1.34	4.48	6.66	14.79
total	97.62	97.51	97.30	100.08	102.13	99.74	98.25	97.81	98.72	99.24
					Norm					
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00
or	0.24	0.06	0.12	0.12	0.12	0.12	0.24	0.35	9.69	0.18
ab	20.56	0.68	0.59	0.68	0.08	0.85	15.99	5.56	20.35	0.76
an	43.96	1.47	0.85	0.48	0.60	0.88	34.46	42.60	16.50	1.17
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	10.20	0.00
di	9.57	0.61	1.04	0.87	0.00	0.24	18.83	21.41	22.04	1.20
hd	2.56	0.00	0.05	0.03	0.00	0.00	4.32	3.55	0.00	0.01
en	8.02	28.41	20.95	19.41	28.15	17.59	10.01	0.00	0.00	1.52
fs	2.46	0.24	1.12	0.82	0.00	0.29	2.63	0.00	0.00	0.02
fo	4.48	45.00	55.84	60.03	49.08	57.99	6.07	13.14	0.85	71.85
fa	1.52	0.42	3.30	2.81	0.00	1.06	1.76	2.75	0.00	1.11
mt	1.96	6.22	4.10	5.15	7.59	6.16	2.03	0.70	4.39	6.22
cm	-	0.29	0.29	0.29	1.38	1.13	0.03	0.00	0.00	0.29
ht	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	4.48	0.00
il	0.38	0.00	0.00	0.00	0.00	0.00	0.46	0.11	3.00	0.04
ap	0.09	0.05	0.05	0.07	0.07	0.07	0.09	0.12	0.56	0.07
total	95.80	83.44	88.32	90.77	88.32	86.38	96.91	93.33	92.06	84.45

	BKR006	BKR020	BLR001	BLR002	BLR005	BLR027	BLR029	BMR011	BMR013	BNR008
	serp.	basalt	harz.	troct.	dunite	dolerite	basalt	dolerite	dolerite	serp.
AREA	B	B	B	B	B	B	B	B	B	B
SiO2	38.73	50.03	37.00	45.01	31.96	57.98	53.41	47.22	50.37	39.41
TiO2	0.01	1.34	0.01	0.09	<0.01	1.47	1.42	1.44	1.35	0.01
Al2O3	0.83	15.20	0.60	20.36	1.82	13.79	14.75	14.48	15.14	0.70
Fe2O3	2.27	4.88	5.10	1.03	4.55	3.56	5.19	2.52	2.82	3.57
FeO	3.67	4.92	2.22	2.12	2.16	4.48	4.39	7.69	7.13	3.10
MnO	0.08	0.16	0.10	0.06	0.08	0.12	0.14	0.19	0.17	0.10
MgO	39.32	7.08	37.56	11.30	39.06	4.18	5.01	6.80	6.96	37.53
CaO	0.21	9.85	0.38	15.42	0.36	8.14	7.76	9.37	9.77	0.30
Na2O	<0.01	2.67	0.05	0.84	0.03	2.90	3.56	2.75	3.00	0.04
K2O	0.03	0.40	0.03	0.05	0.02	0.18	0.23	0.34	0.10	0.02
P2O5	0.03	0.15	0.04	0.05	0.03	0.13	0.16	0.13	0.12	0.01
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	0.26	0.02	0.25	0.02	0.60	-	-	0.02	0.02	0.22
NiO	0.01	<0.01	0.01	0.01	0.02	-	-	0.01	0.01	0.01
LOI	13.67	3.44	14.22	2.37	17.19	1.67	3.09	3.90	2.31	13.24
total	99.12	100.14	97.57	98.73	97.88	98.60	99.11	96.86	99.27	98.26
					Norm					
Q	0.00	4.56	0.00	0.00	0.00	19.05	10.40	0.00	1.88	0.00
C	0.49	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	0.09
or	0.18	2.36	0.18	0.30	0.12	1.06	1.36	2.01	0.59	0.12
ab	0.00	22.59	0.42	7.11	0.25	24.54	30.12	23.27	25.39	0.34
an	0.85	28.31	1.32	51.64	1.59	24.08	23.59	26.16	27.55	1.42
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
di	0.00	13.46	0.23	17.66	0.00	9.82	9.78	10.45	11.29	0.00
hd	0.00	2.04	0.00	1.64	0.00	2.53	1.15	5.39	5.02	0.00
en	25.29	11.40	26.49	1.77	6.37	5.86	7.94	11.44	12.10	32.32
fs	1.24	1.98	0.00	0.19	0.00	1.73	1.08	6.76	6.18	0.95
fo	50.91	0.00	46.92	12.74	63.71	0.00	0.00	0.45	0.00	42.86
fa	2.74	0.00	0.00	1.50	0.00	0.00	0.00	0.30	0.00	1.38
mt	3.29	7.07	7.10	1.49	6.37	5.16	7.52	3.65	4.09	5.18
cm	0.38	0.03	0.37	0.03	0.88	-	-	0.03	0.03	0.32
ht	0.00	0.00	0.20	0.00	0.16	0.00	0.00	0.00	0.00	0.00
il	0.02	2.54	0.02	0.17	0.00	2.79	2.70	2.73	2.56	0.02
ap	0.07	0.35	0.09	0.12	0.07	0.30	0.37	0.30	0.28	0.02
total	85.45	96.70	83.35	96.36	80.69	96.93	96.02	92.96	96.96	85.02

Appendix 34 Chemical compositions of rock samples (3)

	BNR012	BNR015	BNR016	BPR005	BPR008	BPR015	BPR017	BPR020	BPR024	BPR026
	basalt	basalt	basalt	webst.	dunite	troct.	harz.	harz.	ol.webst.	ol.webst.
AREA	B	B	B	B	B	B	B	B	B	B
SiO2	48.54	48.62	50.47	51.79	39.53	42.43	39.77	37.67	48.15	47.95
TiO2	1.62	1.42	1.74	0.06	<0.01	0.01	<0.01	<0.01	0.09	0.09
Al2O3	15.16	14.83	14.80	1.36	0.32	26.24	0.61	0.50	2.05	1.96
Fe2O3	4.96	4.63	6.30	2.72	6.65	0.73	4.12	2.86	1.99	2.90
FeO	4.68	5.66	5.32	3.26	1.34	2.23	2.98	3.94	5.57	6.91
MnO	0.17	0.16	0.17	0.14	0.10	0.04	0.09	0.10	0.16	0.19
MgO	7.24	7.87	5.42	22.78	36.02	10.24	37.90	40.17	21.98	23.99
CaO	10.39	10.27	9.39	12.98	0.31	13.00	0.55	0.47	15.84	12.20
Na2O	2.67	2.49	2.77	0.37	0.08	0.73	0.07	0.07	0.21	0.16
K2O	0.07	0.20	0.78	0.04	0.02	0.13	0.01	0.02	0.02	0.02
P2O5	0.15	0.13	0.17	0.01	0.01	0.03	0.02	0.03	0.01	0.04
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	0.02	0.02	0.01	0.16	0.25	0.02	0.29	0.34	0.03	0.42
NiO	0.01	0.01	0.01	<0.01	0.01	0.01	0.01	0.01	0.02	0.01
LOI	4.12	3.76	3.41	3.20	14.35	5.38	12.73	12.44	1.99	2.11
total	99.80	100.07	100.76	98.87	98.99	101.22	99.15	98.62	98.11	98.95
					Norm					
Q	3.75	2.56	7.01	0.00	0.00	0.00	0.06	0.00	0.00	0.00
C	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00
or	0.41	1.18	4.61	0.24	0.12	0.77	0.06	0.12	0.12	0.12
ab	22.59	21.07	23.44	3.13	0.68	6.18	0.59	0.59	1.78	1.35
an	29.17	28.70	25.65	1.93	0.45	64.30	1.32	0.99	4.59	4.57
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
di	15.27	14.17	13.86	46.24	0.79	0.00	0.98	0.86	51.31	38.39
hd	1.58	2.85	1.80	2.67	0.00	0.00	0.02	0.04	7.14	5.68
en	10.95	13.03	7.08	33.72	38.80	4.45	31.68	17.27	7.58	19.92
fs	1.30	3.01	1.06	2.23	0.00	0.62	0.67	0.83	1.21	3.38
fo	0.00	0.00	0.00	1.11	35.42	14.76	43.63	57.73	16.38	15.44
fa	0.00	0.00	0.00	0.08	0.00	2.26	1.02	3.04	2.88	2.89
mt	7.19	6.71	9.13	3.94	4.29	1.06	5.97	4.15	2.89	4.20
cm	0.03	0.03	0.01	0.24	0.37	0.03	0.43	0.50	0.04	0.62
ht	0.00	0.00	0.00	0.00	3.69	0.00	0.00	0.00	0.00	0.00
il	3.08	2.70	3.30	0.11	0.00	0.02	0.00	0.00	0.17	0.17
ap	0.35	0.30	0.39	0.02	0.02	0.07	0.05	0.07	0.02	0.09
total	95.68	96.31	97.35	95.67	84.64	95.84	86.42	86.18	96.12	96.84

	BPR032	BPR039	BRR010	BSR004	BSR009	BTR007	BVR007	BVR013	BVR017	BVR019
	basalt	dolerite	basalt	dolerite	dolerite	basalt	harz.	basalt	troct.	ho.web.
AREA	B	B	B	B	B	B	B	B	B	B
SiO2	50.23	51.50	52.55	49.15	46.67	48.89	37.03	48.89	36.00	39.96
TiO2	1.21	1.64	2.05	1.61	0.95	1.79	0.01	0.90	0.05	0.17
Al2O3	13.29	14.86	13.60	14.32	14.20	14.59	0.49	13.79	7.36	7.41
Fe2O3	3.57	5.88	6.12	1.78	2.30	4.64	3.35	1.98	2.71	3.47
FeO	7.58	5.36	6.69	8.99	7.52	6.42	2.86	8.60	5.49	6.86
MnO	0.21	0.16	0.16	0.18	0.17	0.17	0.09	0.16	0.12	0.16
MgO	8.06	6.10	5.04	5.94	8.05	5.35	38.03	8.49	31.30	28.62
CaO	9.50	7.90	5.87	9.03	10.43	8.12	0.52	10.87	5.54	5.43
Na2O	3.70	3.68	3.49	3.83	3.66	3.93	0.11	2.60	0.09	0.69
K2O	0.30	0.52	0.24	0.30	0.09	0.14	0.03	0.06	0.01	0.01
P2O5	0.11	0.16	0.22	0.21	0.15	0.22	<0.01	0.16	0.05	0.07
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	<0.01	0.02	<0.01	0.01	0.01	<0.01	0.20	0.01	0.51	0.16
NiO	0.01	0.01	<0.01	<0.01	0.01	<0.01	0.01	0.01	0.01	0.01
LOI	2.75	2.95	3.32	2.58	3.85	3.64	16.14	1.59	11.44	7.79
total	100.52	100.74	99.35	97.93	98.06	97.90	98.87	98.11	100.68	100.81
					Norm					
Q	0.00	4.74	11.47	0.00	0.00	2.01	0.00	0.00	0.00	0.00
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
or	1.77	3.07	1.42	1.77	0.53	0.83	0.18	0.35	0.00	0.06
ab	31.31	31.14	29.53	32.41	26.13	33.25	0.93	22.00	0.00	5.84
an	18.77	22.49	20.73	21.00	22.05	21.76	0.75	25.78	19.65	17.09
ne	0.00	0.00	0.00	0.00	2.62	0.00	0.00	0.00	0.41	0.00
di	15.87	10.79	4.32	10.56	15.91	10.21	1.39	14.38	4.87	6.63
hd	6.46	1.59	1.24	7.90	7.38	3.55	0.03	7.69	0.41	0.78
en	5.80	10.19	10.55	4.18	0.00	8.59	21.12	9.88	0.00	5.94
fs	2.71	1.73	3.48	3.59	0.00	3.43	0.55	6.06	0.00	0.80
fo	4.84	0.00	0.00	4.01	8.88	0.00	51.13	3.22	53.05	43.64
fa	2.49	0.00	0.00	3.79	5.21	0.00	1.47	2.18	5.67	6.49
mt	5.18	8.52	8.87	2.58	3.33	6.73	4.86	2.87	3.93	5.03
cm	0.00	0.03	0.00	0.01	0.01	0.00	0.29	0.01	0.75	0.24
ht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
il	2.30	3.11	3.89	3.06	1.80	3.40	0.02	1.71	0.09	0.32
ap	0.25	0.37	0.51	0.49	0.35	0.51	0.00	0.37	0.12	0.16
total	97.77	97.79	96.03	95.35	94.21	94.26	82.73	96.52	89.24	93.02

Appendix 34 Chemical compositions of rock samples (4)

	CMR003	CMR005	CMR007	CMR001	CNR004	CNR009	CPR005	CPR006	CPR007	CPR008
	lap. stone	basalt	lap. stone	baslt	basalt	px. and.	px. and.	chert	chert	serp.
AREA	C	C	C	C	C	C	C	C	C	C
SiO2	50.62	48.22	49.11	50.97	45.96	51.23	48.19	94.43	95.61	39.84
TiO2	1.23	2.01	1.36	1.21	1.23	1.69	1.49	0.07	0.05	<0.01
Al2O3	16.09	14.00	15.41	14.96	17.13	14.77	14.96	1.57	1.20	0.35
Fe2O3	4.43	9.94	6.02	3.63	5.44	5.68	6.54	0.95	0.76	5.02
FeO	5.58	2.90	4.11	5.34	3.96	5.29	4.59	0.11	0.13	2.38
MnO	0.17	0.36	0.15	0.16	0.18	0.19	0.15	0.08	0.07	0.29
MgO	6.08	5.96	5.90	6.19	6.65	5.23	6.55	0.34	0.38	35.89
CaO	9.12	6.66	9.08	8.46	9.76	9.19	9.71	0.49	0.59	0.29
Na2O	3.57	4.14	2.47	3.80	3.83	3.32	2.90	0.25	0.20	0.07
K2O	0.52	1.26	0.54	0.49	0.18	0.37	0.10	0.26	0.23	0.01
P2O5	0.14	0.24	0.15	0.16	0.18	0.18	0.15	0.03	0.11	0.04
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	-	-	-	-	-	-	-	-	-	-
NiO	-	-	-	-	-	-	-	-	-	-
LOI	2.99	4.94	6.40	4.27	6.23	3.49	5.34	1.76	1.60	13.34
total	100.54	100.63	100.70	99.64	100.73	100.63	100.67	100.34	100.93	97.52
					Norm					
Q	1.32	0.20	7.74	1.78	0.00	6.69	4.66	90.51	92.16	0.00
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
or	3.07	7.45	3.19	2.90	1.06	2.19	0.59	1.54	1.36	0.06
ab	30.21	35.03	20.90	32.15	30.99	28.09	24.54	2.12	1.69	0.59
an	26.34	15.90	29.37	22.32	29.02	24.31	27.51	2.23	1.70	0.61
ne	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.00
di	11.25	12.13	11.09	11.57	13.52	13.60	14.74	0.00	0.40	0.44
hd	3.15	0.00	0.40	3.34	0.77	2.35	0.66	0.00	0.00	0.00
en	9.93	9.22	9.55	10.05	0.00	6.72	9.48	0.85	0.76	39.91
fs	3.19	0.00	0.39	3.33	0.00	1.33	0.49	0.00	0.00	0.34
fo	0.00	0.00	0.00	0.00	7.22	0.00	0.00	0.00	0.00	34.53
fa	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.32
mt	6.42	4.69	8.73	5.26	7.89	8.23	9.48	0.41	0.50	7.28
cm	-	-	-	-	-	-	-	-	-	-
ht	0.00	6.70	0.00	0.00	0.00	0.00	0.00	0.67	0.41	0.00
il	2.34	3.81	2.58	2.30	2.34	3.21	2.83	0.13	0.09	0.00
ap	0.32	0.56	0.35	0.37	0.42	0.42	0.35	0.07	0.25	0.09
total	97.55	95.69	94.30	95.37	94.50	97.14	95.33	98.58	99.33	84.18

	CPR013	CPR015	CSR001	CSR002	CTR001	CTR002	CTR004	CTR005	CTR006	CVR001
	serp.	px. and.	serp.	serp.	lap. stone	serp.	ol. gb.	ol. gb.	basalt	basalt
AREA	C	C	C	C	C	C	C	C	C	C
SiO2	31.41	50.97	34.45	39.25	44.51	39.59	47.18	43.62	51.46	46.18
TiO2	0.06	1.25	<0.01	<0.01	1.85	<0.01	0.20	0.12	1.71	1.61
Al2O3	1.72	16.59	0.24	0.72	14.92	0.77	21.03	16.98	14.11	16.49
Fe2O3	2.89	5.41	5.77	6.81	8.35	3.87	1.96	2.50	6.04	5.83
FeO	2.29	2.74	1.16	1.21	3.12	2.66	2.51	2.67	5.03	3.44
MnO	0.69	0.20	0.09	0.11	0.16	0.12	0.08	0.09	0.19	0.16
MgO	26.23	6.08	39.57	34.98	5.27	35.40	7.78	14.25	5.47	2.66
CaO	12.84	5.72	0.33	0.26	8.30	2.56	14.82	12.68	8.77	10.92
Na2O	0.11	5.92	0.07	0.07	5.07	0.08	1.72	0.77	3.28	2.55
K2O	0.03	0.15	0.01	0.03	1.00	0.02	0.04	0.05	0.26	3.23
P2O5	0.04	0.16	0.04	0.04	0.27	0.04	0.08	0.05	0.21	0.62
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Cr2O3	-	-	-	-	-	-	-	-	-	-
NiO	-	-	-	-	-	-	-	-	-	-
LOI	21.28	4.31	17.94	16.13	6.99	15.06	1.66	5.53	3.58	7.05
total	99.59	99.50	99.67	99.61	99.81	100.17	99.06	99.31	100.11	100.75
					Norm					
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.35	0.00
C	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
or	0.00	0.89	0.06	0.18	5.91	0.12	0.24	0.30	1.54	19.09
ab	0.00	50.09	0.59	0.59	27.36	0.68	14.55	6.52	27.75	19.41
an	4.11	18.25	0.31	1.03	15.00	1.68	49.54	42.73	23.01	24.01
ne	0.50	0.00	0.00	0.00	8.42	0.00	0.00	0.00	0.00	1.18
di	9.41	7.07	0.83	0.00	19.00	8.24	16.44	14.58	13.54	14.29
hd	0.38	0.00	0.00	0.00	0.00	0.16	2.08	1.00	1.54	0.00
en	0.00	2.02	13.47	40.80	0.00	26.35	4.77	8.83	7.35	0.00
fs	0.00	0.00	0.00	0.00	0.00	0.57	0.69	0.70	0.96	0.00
fo	42.72	6.90	59.36	32.46	3.03	40.65	4.89	13.95	0.00	0.00
fa	2.16	0.00	0.00	0.00	0.00	0.97	0.78	1.22	0.00	0.00
mt	4.19	5.86	4.03	4.26	5.21	5.61	2.84	3.62	8.76	6.94
cm	-	-	-	-	-	-	-	-	-	-
ht	0.00	1.37	2.99	3.87	4.75	0.00	0.00	0.00	0.00	1.04
il	0.11	2.37	0.00	0.00	3.51	0.00	0.38	0.23	3.25	3.06
ap	0.09	0.37	0.09	0.09	0.63	0.09	0.19	0.12	0.49	1.44
total	78.31	95.19	81.73	83.48	92.82	85.11	97.40	93.78	96.53	93.69

Appendix 34 Chemical compositions of rock samples (5)

	CVR002	RA-09	RB-05	RB-16	RB-17	RB-24	RB-27	RB-30	RB-31	RB-34
	ir. stone	gr. po.	gd. po.	f. hb. gb.	dunite	harz.	dunite	dunite	lamp.	harz.
AREA	C	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1
SiO2	78.28	74.32	54.81	51.10	27.29	37.51	34.27	30.97	48.87	38.78
TiO2	0.11	0.11	0.27	1.07	<0.09	<0.01	<0.01	<0.09	1.52	<0.01
Al2O3	2.59	14.28	16.95	15.75	0.98	0.48	0.24	0.80	14.46	0.61
Fe2O3	8.07	0.51	1.33	1.63	4.23	3.91	3.71	4.09	1.81	3.22
FeO	2.02	1.00	2.61	7.51	0.91	3.52	2.68	3.09	8.54	4.34
MnO	3.55	0.03	0.07	0.17	<0.09	0.11	0.09	0.09	0.19	0.11
MgO	1.47	1.30	4.72	6.46	41.07	40.16	42.98	43.63	6.57	40.79
CaO	0.54	1.26	9.15	8.17	<0.09	0.45	0.24	<0.09	11.97	0.62
Na2O	0.09	6.24	5.77	3.92	0.09	0.02	0.02	0.09	3.25	0.05
K2O	0.35	0.30	0.15	0.19	0.01	0.01	0.01	0.03	0.13	0.01
P2O5	0.12	0.18	0.13	0.18	<0.09	<0.01	<0.01	<0.09	0.22	<0.01
BaO	0.04	<0.01	<0.01	<0.01	<0.09	<0.01	<0.01	<0.09	<0.01	<0.01
Cr2O3	-	1.90	<0.01	-	5.85	0.26	0.29	3.22	-	0.22
NiO	-	0.35	<0.01	-	0.44	0.31	0.36	0.33	-	0.32
LOI	4.21	1.06	1.74	2.63	15.02	11.14	13.61	13.45	2.17	8.89
total	101.44	102.84	97.70	98.78	95.47	97.88	98.50	99.38	99.70	97.96
					Norm					
Q	71.80	32.63	0.00	0.00		0.00	0.00		0.00	0.00
C	1.34	1.83	0.00	0.00		0.00	0.00		0.00	0.00
or	2.07	1.77	0.89	1.12		0.06	0.06		0.77	0.06
ab	0.76	52.80	48.40	33.17		0.17	0.17		27.50	0.42
an	1.97	5.07	19.91	24.82		1.19	0.54		24.48	1.41
ne	0.00	0.00	0.23	0.00		0.00	0.00		0.00	0.00
di	0.00	0.00	15.74	7.45		0.79	0.50		16.70	1.24
hd	0.00	0.00	3.94	4.43		0.03	0.01		10.70	0.06
en	3.66	3.24	0.00	10.60		18.56	3.57		0.89	17.78
fs	3.45	0.26	0.00	7.24		0.70	0.08		0.66	1.03
fo	0.00	0.00	3.13	1.43		56.84	72.35		5.42	58.33
fa	0.00	0.00	0.99	1.07		2.36	1.80		4.39	3.73
mt	11.67	0.74	1.93	2.36		5.67	5.39		2.62	4.67
cm	-	2.81	0.00	-		0.38	0.43		-	0.32
ht	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00
il	0.21	0.21	0.51	2.03		0.00	0.00		2.89	0.00
ap	0.28	0.42	0.30	0.42		0.00	0.00		0.51	0.00
total	97.20	101.78	95.96	96.15		86.74	84.89		97.53	89.07

	RB-37	RB-39	RB-42	RB-44	RB-46	RB-47	RB-50	RB-51	RB-52	RB-53
	norite	hb. gb.	hb. gb.	webst.	dolerite	webst.	dolerite	norite	ol. webst.	gb.
AREA	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1
SiO2	45.49	42.47	43.57	51.58	48.23	52.16	49.97	43.31	51.12	45.58
TiO2	0.33	0.63	0.53	0.06	1.59	0.05	1.51	0.06	0.08	0.24
Al2O3	18.45	18.89	17.13	1.43	15.17	1.61	14.97	21.29	2.21	21.04
Fe2O3	3.64	5.25	5.85	1.45	2.48	1.38	2.69	1.44	2.02	0.62
FeO	6.88	7.27	7.66	3.22	7.77	4.79	7.61	2.81	3.10	1.81
MnO	0.18	0.19	0.17	0.12	0.17	0.14	0.18	0.08	0.12	0.05
MgO	9.69	8.01	9.33	22.29	7.34	24.51	6.63	9.92	19.83	6.19
CaO	13.46	13.68	13.15	17.07	10.55	13.36	8.19	16.55	19.66	19.06
Na2O	0.74	1.16	0.74	0.15	3.56	0.13	4.69	0.65	0.23	1.18
K2O	0.04	0.02	0.03	<0.01	0.10	<0.01	0.10	0.25	0.01	0.90
P2O5	0.08	0.10	0.08	0.02	0.20	<0.01	0.21	0.11	0.02	0.14
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Cr2O3	-	-	-	-	-	-	-	-	-	-
NiO	-	-	-	-	-	-	-	-	-	-
LOI	0.60	1.88	1.51	1.50	2.70	0.28	2.59	4.08	1.01	4.37
total	99.58	99.55	99.75	98.89	99.86	98.41	99.34	100.55	99.41	101.19
					Norm					
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
or	0.24	0.12	0.18	0.00	0.59	0.00	0.59	1.48	0.06	0.59
ab	6.26	9.82	6.26	1.27	30.12	1.10	39.69	1.18	1.95	0.00
an	46.90	46.28	43.33	3.23	25.12	3.81	19.50	54.44	4.97	49.45
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.00	5.41
di	11.61	12.37	12.96	59.37	14.28	44.30	10.67	18.67	67.66	30.62
hd	3.95	4.50	4.22	4.51	6.75	4.95	5.40	2.65	4.91	4.34
en	13.24	2.56	11.91	16.45	0.40	28.82	0.83	0.00	6.08	0.00
fs	5.16	1.07	4.45	1.43	0.22	3.70	0.48	0.00	0.51	0.00
fo	3.86	8.17	3.73	8.09	7.89	8.19	7.53	11.25	8.37	0.86
fa	1.66	3.76	1.53	0.78	4.71	1.16	4.82	2.02	0.77	0.15
mt	5.28	7.61	8.48	2.10	3.60	2.00	3.90	2.09	2.93	0.90
cm	-	-	-	-	-	-	-	-	-	-
ht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
il	0.63	1.20	1.01	0.11	3.02	0.09	2.87	0.11	0.15	0.46
ap	0.19	0.23	0.19	0.05	0.46	0.00	0.49	0.25	0.05	0.32
total	98.98	97.67	98.24	97.39	97.16	98.13	96.75	96.47	98.40	96.81

Appendix 34 Chemical compositions of rock samples (6)

	RC-03	RC-07	RC-13	RC-23	RC-30	RD-02	RD-04	RE-01	RE-05	RE-07
	hb. po.	harz.	lherz.	webst.	webst.	harz.	lherz.	hb. gb.	hb. po.	gd. po.
AREA	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-1
SiO2	51.50	36.75	38.15	50.78	51.99	37.97	37.91	49.31	48.99	71.46
TiO2	1.78	0.01	<0.01	0.07	0.10	0.01	0.01	1.64	1.64	0.13
Al2O3	14.84	0.63	0.61	1.75	2.36	0.73	0.56	14.94	16.22	15.75
Fe2O3	2.96	4.04	4.09	2.09	3.47	4.18	3.52	3.08	3.33	0.64
FeO	8.99	2.96	3.33	4.14	3.96	3.41	4.03	8.11	7.89	1.17
MnO	0.19	0.10	0.11	0.14	0.16	0.11	0.11	0.19	0.17	0.03
MgO	4.79	39.44	39.36	21.58	21.50	38.47	39.80	6.59	6.09	1.27
CaO	7.92	0.68	0.57	17.03	14.89	0.88	0.89	10.43	9.95	2.28
Na2O	4.73	0.02	0.02	0.27	0.15	0.02	0.02	3.34	3.38	6.66
K2O	0.12	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.16	0.09	0.14
P2O5	0.22	<0.01	<0.01	0.02	0.06	<0.01	<0.01	0.23	0.26	0.20
BaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	-	0.09	0.26	<0.01	-	0.16	0.22	-	-	<0.01
NiO	-	0.34	0.31	0.02	-	0.31	0.32	-	-	0.01
LOI	1.68	13.10	11.71	1.10	<0.01	11.82	11.15	1.15	0.92	1.14
total	99.72	98.17	98.52	99.00	98.64	98.07	98.54	99.17	98.93	100.88
	Norm									
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.30
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98
or	0.71	0.06	0.00	0.06	0.06	0.00	0.00	0.95	0.53	0.83
ab	40.02	0.17	0.17	2.28	1.27	0.17	0.17	28.26	28.60	56.36
an	18.91	1.60	1.57	3.53	5.74	1.90	1.44	25.30	28.82	10.00
ne	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
di	8.52	1.35	0.95	57.94	49.53	1.87	2.23	13.27	9.99	0.00
hd	7.14	0.03	0.03	5.69	3.66	0.06	0.10	7.04	5.36	0.00
en	5.86	17.32	22.38	12.30	30.13	22.07	17.34	7.02	8.56	3.16
fs	5.64	0.49	0.75	1.39	2.55	0.79	0.89	4.27	5.28	1.48
fo	1.48	56.26	52.71	10.22	0.32	51.07	56.59	2.27	1.38	0.00
fa	1.57	1.77	1.94	1.27	0.03	2.00	3.19	1.52	0.94	0.00
mt	4.29	5.86	5.94	3.03	5.03	6.07	5.11	4.47	4.83	0.93
cm	-	0.13	0.38	0.00	-	0.24	0.32	-	-	0.00
ht	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
il	3.38	0.02	0.00	0.13	0.19	0.02	0.02	3.11	3.11	0.25
ap	0.51	0.00	0.00	0.05	0.14	0.00	0.00	0.53	0.60	0.46
total	98.04	85.07	86.81	97.90	98.65	86.25	87.39	98.02	98.01	99.74

	RE-19	RF-10	RF-37	RH-04	RH-05	RJ-05	RJ-06	RJ-07	RJ-08	RJ-14
	lherz.	ol. webst.	dunite	dunite	harz.	dunite	dunite	dunite	dunite.	dunite
AREA	A-1	A-1	A-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1
SiO2	40.47	50.86	33.89	29.65	43.61	34.56	34.52	33.33	33.13	33.19
TiO2	0.01	0.11	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Al2O3	0.87	2.86	0.31	2.19	0.69	0.97	0.99	0.78	0.46	0.50
Fe2O3	3.67	1.84	3.85	5.74	6.06	4.56	4.21	4.20	4.51	4.28
FeO	3.37	5.02	2.46	2.73	1.52	3.51	4.05	3.97	2.97	4.20
MnO	0.10	0.15	0.09	0.09	0.10	0.11	0.11	0.11	0.10	0.11
MgO	37.55	19.45	41.01	40.61	33.00	40.09	41.20	40.56	40.74	41.14
CaO	0.60	16.74	0.22	<0.09	0.19	0.45	0.76	0.51	0.43	0.36
Na2O	0.04	0.21	0.02	<0.09	0.01	0.02	0.02	0.02	0.02	0.02
K2O	0.01	0.01	<0.01	<0.01	0.03	<0.01	<0.01	0.01	0.01	<0.01
P2O5	<0.01	0.05	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BaO	<0.01	<0.01	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr2O3	0.28	-	0.28	2.92	0.29	0.18	0.18	<0.01	<0.01	0.15
NiO	0.31	-	0.36	0.26	0.50	0.28	0.25	0.23	0.30	0.24
LOI	10.79	0.87	16.27	13.37	13.12	13.72	12.55	14.04	16.46	13.43
total	98.07	98.17	98.76	96.98	99.12	98.45	98.84	97.76	99.13	97.62
	Norm									
Q	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
C	0.00	0.00	0.00		0.30	0.12	0.00	0.00	0.00	0.00
or	0.06	0.06	0.00		0.18	0.00	0.00	0.06	0.06	0.00
ab	0.34	1.78	0.17		0.08	0.17	0.17	0.17	0.17	0.17
an	2.16	6.83	0.76		0.94	2.23	2.61	2.01	1.14	1.27
ne	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
di	0.61	52.63	0.26		0.00	0.00	0.87	0.39	0.76	0.38
hd	0.02	7.38	0.00		0.00	0.00	0.03	0.02	0.02	0.02
en	33.06	17.24	7.70		61.59	9.34	3.81	2.90	4.06	2.03
fs	1.29	2.77	0.14		0.00	0.30	0.17	0.13	0.10	0.09
fo	42.18	4.77	66.10		14.44	63.43	68.96	68.63	68.01	70.26
fa	1.81	0.85	1.36		0.00	2.26	3.30	3.32	1.81	3.54
mt	5.33	2.67	5.59		6.35	6.62	6.11	6.09	6.55	6.21
cm	0.41	-	0.41		0.43	0.27	0.27	0.00	0.00	0.22
ht	0.00	0.00	0.00		1.69	0.00	0.00	0.00	0.00	0.00
il	0.02	0.21	0.00		0.00	0.00	0.00	0.00	0.00	0.00
ap	0.00	0.12	0.00		0.00	0.00	0.00	0.00	0.00	0.00
total	87.28	97.30	82.49		86.00	84.73	86.29	83.72	82.67	84.19

Appendix 34 Chemical compositions of rock samples (7)

	RK-11 norite	RK-20 dunite	RK-23 harz.	RK-32 dunite	RK-33 lherz.	RK-45 dolerite	RL-10 harz.	RL-14 harz.	RL-18 dunite	RL-19 lherz.
AREA	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1
SiO2	49.07	35.86	38.85	34.73	36.90	49.13	38.35	34.17	34.87	37.30
TiO2	0.52	<0.09	<0.01	<0.01	<0.01	1.12	0.04	<0.09	<0.09	<0.09
Al2O3	13.97	0.45	0.64	0.22	0.60	15.51	0.90	0.72	0.18	0.43
Fe2O3	2.97	5.94	4.01	5.27	3.48	2.58	5.12	7.30	6.40	5.29
FeO	6.24	1.79	3.31	4.37	4.00	7.12	2.66	1.83	3.72	2.12
MnO	0.18	0.09	0.10	0.13	0.11	0.16	0.11	0.09	0.09	0.09
MgO	10.64	39.55	39.83	40.81	39.39	7.29	37.98	40.54	41.95	39.30
CaO	11.94	<0.09	0.38	0.15	0.33	8.11	0.46	<0.09	<0.09	<0.09
Na2O	1.89	<0.09	0.02	0.01	0.01	4.94	0.17	0.09	<0.09	<0.09
K2O	0.02	<0.01	0.02	<0.01	<0.01	0.10	0.01	0.01	<0.01	0.01
P2O5	0.09	<0.09	<0.01	<0.01	<0.01	0.15	<0.01	<0.09	<0.09	<0.09
BaO	<0.01	<0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.09	<0.09	<0.09
Cr2O3	0.06	0.29	0.22	0.37	0.19	<0.01	0.37	0.79	0.20	0.26
NiO	0.01	0.32	0.35	0.34	0.36	0.01	0.42	0.34	0.25	0.34
LOI	1.05	13.74	10.00	11.89	12.28	2.96	11.49	13.04	10.80	14.01
total	98.65	98.03	97.73	98.29	97.65	99.18	98.08	98.92	98.46	99.15
	Norm									
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.56	0.18	0.42
or	0.12	0.00	0.12	0.00	0.00	0.59	0.06	0.06	0.00	0.06
ab	15.99	0.00	0.17	0.08	0.08	36.51	1.44	0.76	0.00	0.00
an	29.58	0.00	1.60	0.56	1.59	19.85	1.66	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00
di	18.21	0.00	0.22	0.14	0.03	10.83	0.48	0.00	0.00	0.00
hd	5.06	0.00	0.01	0.01	0.00	4.89	0.01	0.00	0.00	0.00
en	16.01	21.32	24.15	9.71	18.02	0.00	25.87	11.33	10.38	26.56
fs	5.10	0.00	0.82	0.40	0.95	0.00	0.33	0.00	0.20	0.02
fo	1.44	54.09	52.52	64.38	56.12	9.21	48.01	62.82	65.95	49.98
fa	0.50	0.00	1.98	2.93	3.25	5.26	0.68	0.00	1.38	0.04
mt	4.31	6.62	5.82	7.65	5.05	3.74	7.43	6.05	9.29	7.68
cm	0.09	0.43	0.32	0.55	0.28	0.00	0.55	1.17	0.29	0.38
ht	0.00	1.38	0.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00
il	0.99	0.00	0.00	0.00	0.00	2.13	0.08	0.00	0.00	0.00
ap	0.21	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
total	97.60	84.29	87.73	86.40	85.37	96.22	86.59	85.88	87.66	85.14

	RL-20 dunite	RL-23 troct.	RL-25 dunite	RL-27 dunite	RL-28 dunite
AREA	B-1	B-1	B-1	B-1	B-1
SiO2	32.19	37.64	35.71	34.81	35.20
TiO2	<0.09	<0.01	<0.09	<0.09	<0.09
Al2O3	0.26	15.63	0.80	0.61	0.70
Fe2O3	5.60	1.17	8.17	7.82	8.09
FeO	3.61	3.41	0.60	1.30	0.66
MnO	0.09	0.06	0.09	0.09	0.09
MgO	41.55	21.51	37.95	37.49	37.55
CaO	<0.09	8.61	<0.09	<0.09	<0.09
Na2O	0.09	0.34	0.09	0.09	0.09
K2O	<0.01	0.01	0.01	<0.01	<0.01
P2O5	<0.09	0.07	<0.09	<0.09	<0.09
BaO	<0.09	<0.01	<0.09	0.09	0.09
Cr2O3	0.31	0.04	0.60	1.10	0.69
NiO	0.28	0.09	0.34	0.67	0.40
LOI	12.79	9.64	15.01	14.20	15.24
total	96.77	98.22	99.37	98.27	98.80
	Norm				
Q	0.00	0.00	0.00	0.00	0.00
C	0.11	0.00	0.64	0.40	0.49
or	0.00	0.06	0.06	0.00	0.00
ab	0.76	2.88	0.76	0.76	0.76
an	0.00	41.09	0.00	0.16	0.16
ne	0.00	0.00	0.00	0.00	0.00
di	0.00	0.84	0.00	0.00	0.00
hd	0.00	0.08	0.00	0.00	0.00
en	0.49	0.63	22.92	20.96	22.11
fs	0.01	0.07	0.00	0.00	0.00
fo	72.18	36.83	50.17	50.75	50.05
fa	1.84	4.19	0.00	0.00	0.00
mt	8.13	1.70	2.38	4.90	2.62
cm	0.46	0.06	0.89	1.63	1.02
ht	0.00	0.00	6.54	4.45	6.29
il	0.00	0.00	0.00	0.00	0.00
ap	0.00	0.16	0.00	0.00	0.00
total	83.98	88.58	84.36	84.01	83.50

Appendix 35 Chemical compositions of chromite (1)

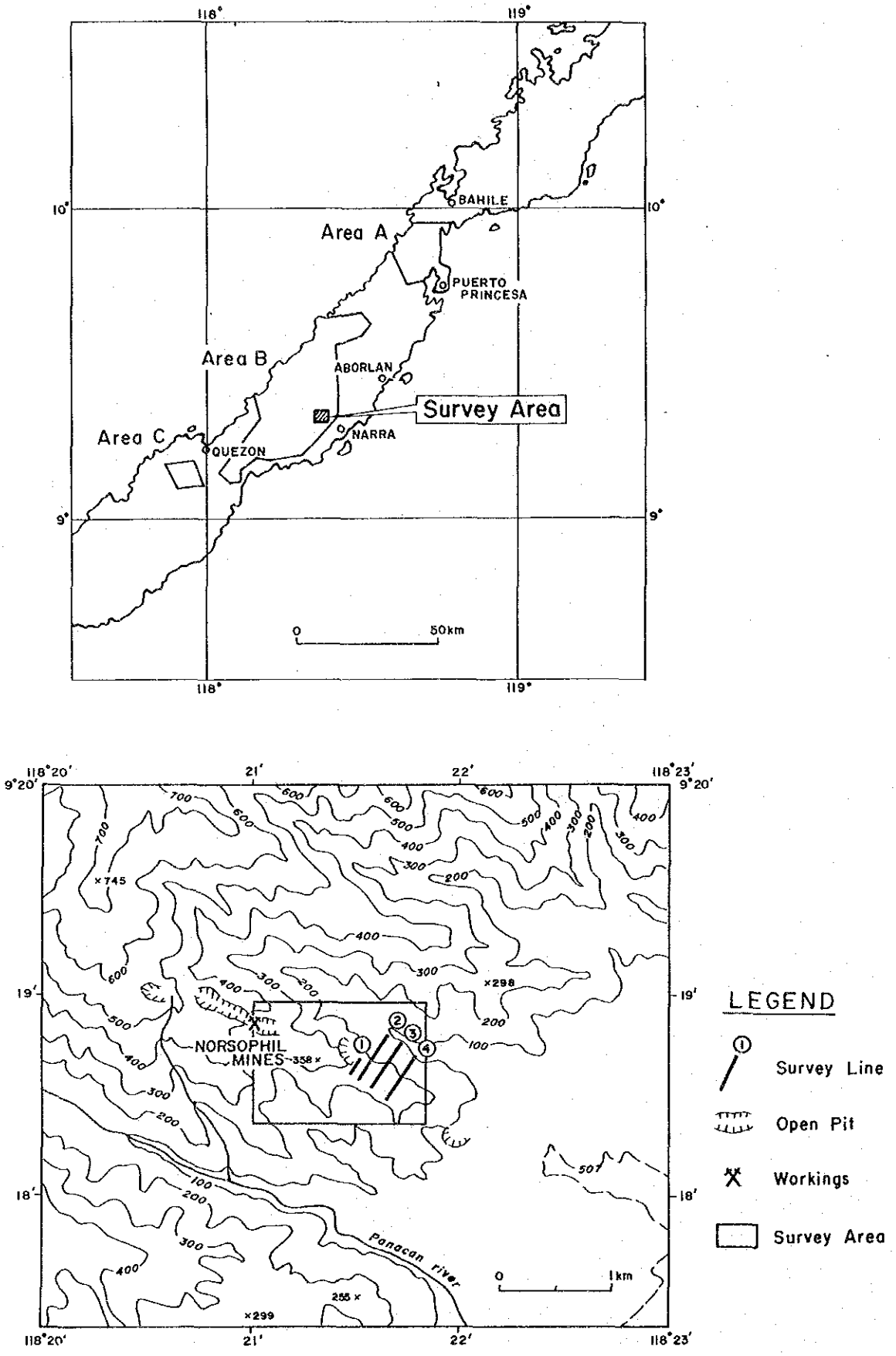
Unit: wt %

Survey area	Sp. No.	Area	MgO	FeO	Cr_2O_3	Al_2O_3	TiO_2	Total
A	RB-09	San Chromite area	12.10	17.33	63.86	6.93	0.09	100.31
			12.09	17.16	61.76	6.77	0.10	97.87
			12.17	16.58	62.45	6.72	0.33	98.24
			12.17	17.07	63.04	6.99	0.00	99.27
	RB-10	San Chromite area	12.73	16.47	61.73	7.46	0.27	98.66
			12.50	16.72	60.69	7.37	0.36	97.64
			12.51	16.44	60.95	7.26	0.18	97.33
			12.39	17.40	63.22	6.79	0.28	100.08
			12.72	16.40	61.56	7.41	0.33	98.41
	RB-21	Macasaet area	14.31	14.87	65.85	6.65	0.00	101.69
			13.58	14.35	63.76	6.52	0.19	98.40
			14.20	13.90	65.51	6.41	0.16	100.17
	RB-22	Malinao float	14.92	16.29	54.04	16.39	0.00	101.64
			13.36	15.74	53.34	15.85	0.08	98.37
			13.53	17.03	53.76	15.59	0.17	100.08
	RB-36	North of Tagkawayan	13.83	18.42	49.70	18.44	0.01	100.40
			13.12	19.97	48.43	17.25	0.00	98.77
			13.32	18.13	51.35	17.96	0.19	100.95
	RC-24	Lower Pananlagan	14.67	16.47	48.26	19.85	0.24	99.50
			13.54	17.28	48.02	20.27	0.19	99.29
			14.53	15.44	48.75	19.40	0.02	98.14
	RC-25	Lower Pananlagan	15.54	15.19	48.30	21.95	0.27	101.25
			15.07	14.38	49.02	21.48	0.41	100.36
			15.58	14.29	48.84	22.59	0.03	101.33
			15.47	12.97	48.94	22.82	0.20	100.41
			15.97	13.25	49.71	22.30	0.00	101.23
	RC-26	Lower Pananlagan	15.66	14.81	50.45	19.17	0.13	100.21
			15.72	14.24	50.61	20.00	0.23	100.79
			15.64	14.53	50.25	20.25	0.27	100.94
	RC-32	Tagkawayan	12.87	19.35	53.17	13.33	0.31	99.03
			13.02	19.82	53.16	13.38	0.13	99.51
			12.91	19.18	52.28	13.90	0.13	98.41
	RC-33	Tagkawayan	12.53	17.93	61.31	8.63	0.20	100.61
			12.15	17.29	60.31	8.58	0.00	98.32
			12.45	17.88	59.56	8.06	0.25	98.21
	RC-35	Tagkawayan	14.54	14.99	54.83	15.89	0.37	100.62
			14.78	15.17	53.68	16.31	0.06	99.99
			13.95	15.92	53.39	15.87	0.27	99.41
	RC-37	Tagkawayan	14.34	16.13	49.75	17.93	0.63	98.78
			14.78	16.03	50.09	18.56	0.15	99.61
			15.33	16.58	50.57	18.69	0.12	101.29
	RD-08	Upper Pananlagan	13.18	16.34	58.80	10.15	0.28	98.75
			13.80	15.90	58.69	9.95	0.20	98.55
			13.99	15.90	59.66	10.08	0.15	99.79
	RD-09	Upper Pananlagan	13.45	17.67	61.76	8.54	0.09	101.50
			13.18	16.12	60.98	8.14	0.22	98.63
			14.17	16.94	60.71	8.90	0.03	100.76
	RD-10	Upper Pananlagan	13.64	16.00	59.39	9.92	0.05	98.99
			13.76	16.93	60.08	10.17	0.07	101.00
			13.85	16.28	59.50	9.74	0.03	99.40
	RD-11	Upper Pananlagan	14.98	16.47	55.63	13.50	0.08	100.66
			13.75	18.32	55.80	10.89	0.37	99.12
			14.32	16.16	55.29	14.71	0.12	100.60

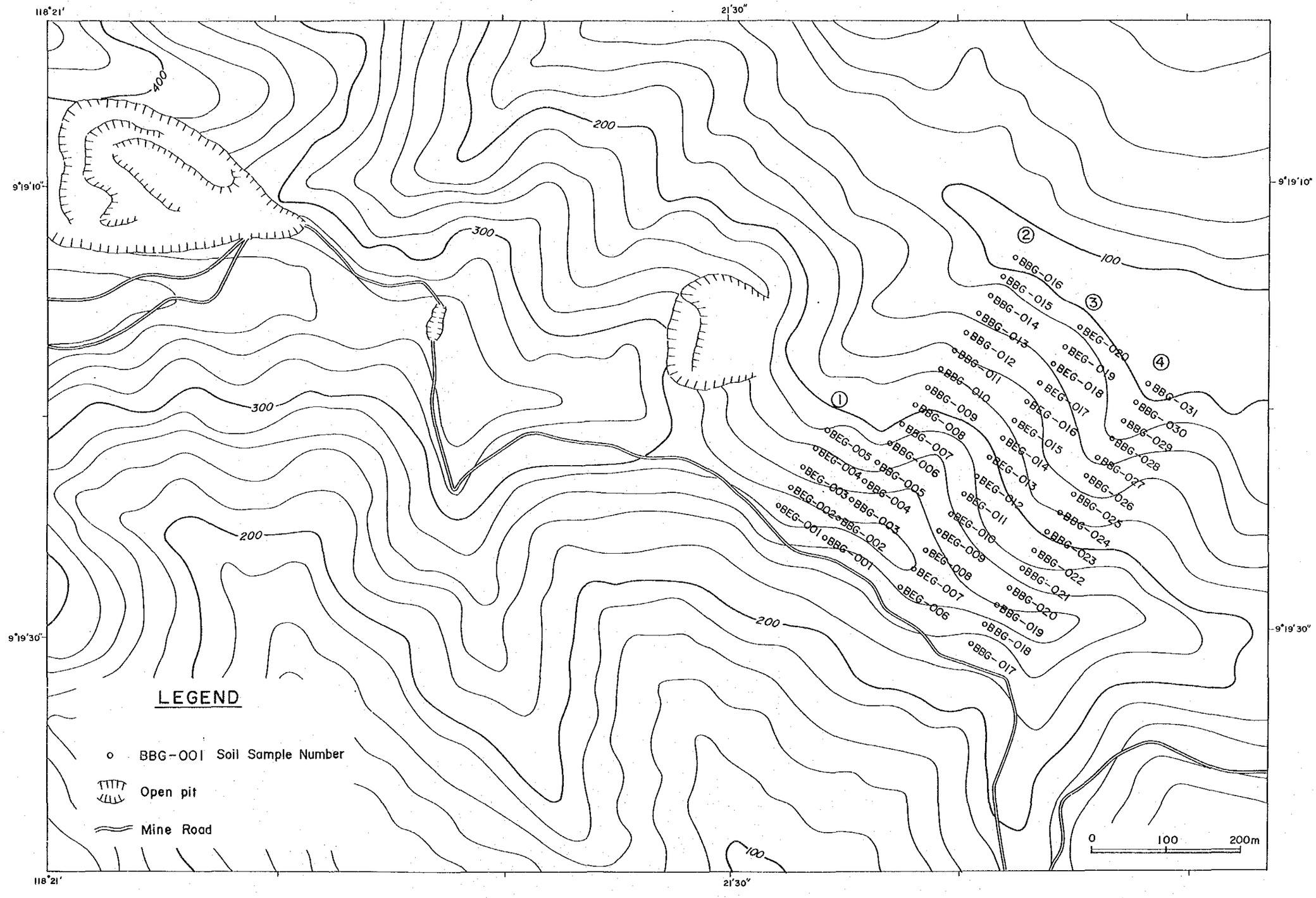
Appendix 35 Chemical compositions of chromite (2)

Unit: wt %

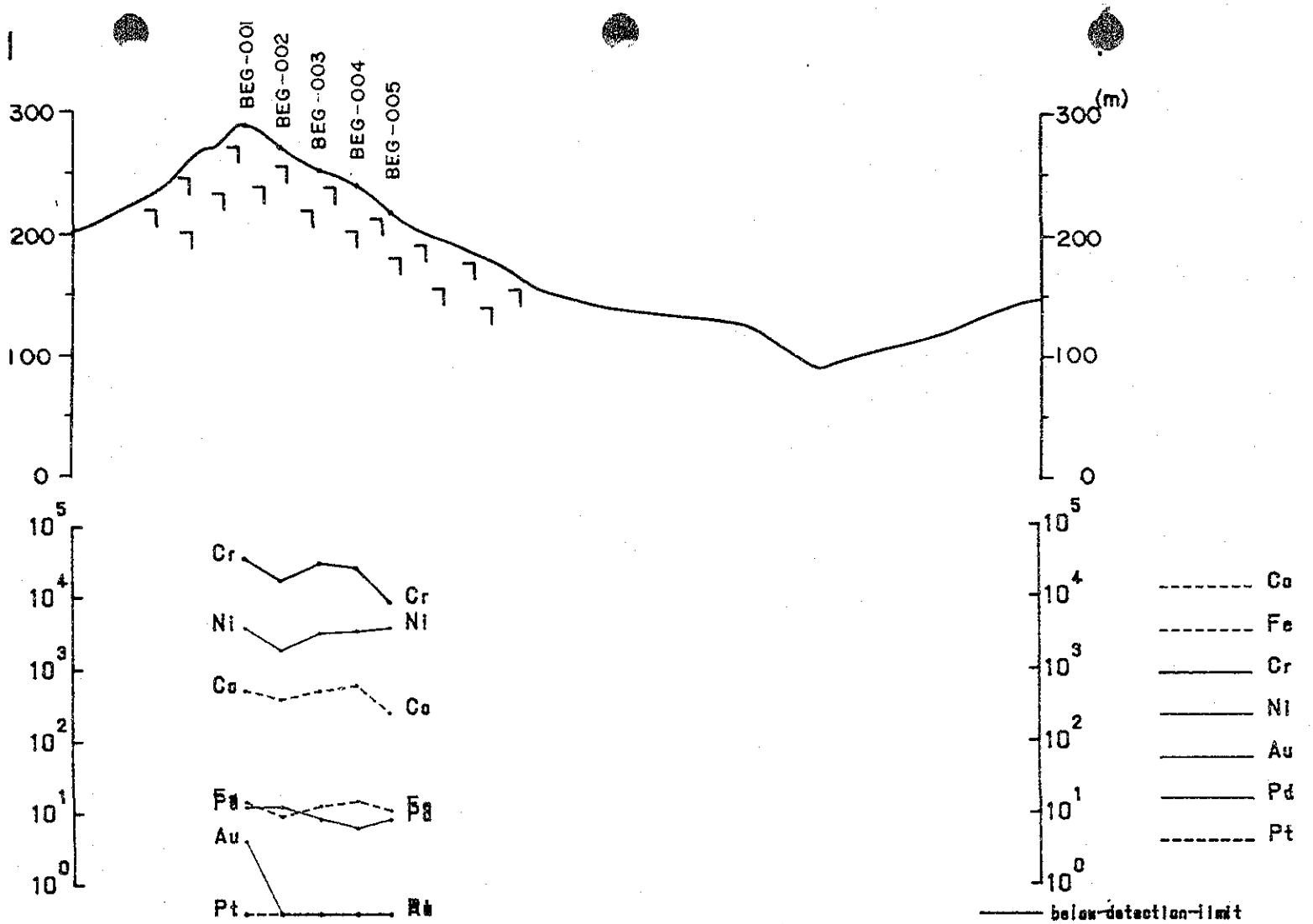
Survey area	Sp. No.	Area	MgO	FeO	Cr_2O_3	Al_2O_3	TiO_2	Total
B－1	RH-02	East	14.77	16.36	41.60	26.32	0.25	99.29
			15.03	16.36	41.84	27.68	0.34	101.24
			14.66	15.58	42.03	26.47	0.32	99.05
	RJ-10	Malinao	14.84	15.41	41.71	26.79	0.00	98.75
			14.77	16.54	41.61	26.98	0.00	99.89
			14.97	15.41	42.60	27.49	0.09	100.57
			15.09	16.21	41.94	27.08	0.21	100.52
	RJ-11	Malinao	15.35	15.92	43.87	24.12	0.19	99.44
			14.95	15.49	44.21	25.05	0.00	99.71
			14.96	16.63	43.42	24.56	0.14	99.71
	RJ-12	Malinao	17.29	11.43	39.60	30.89	0.15	99.35
			17.33	12.20	39.41	31.15	0.34	100.43
			17.37	12.35	39.71	31.31	0.27	101.01
	RJ-13	Malinao	17.39	14.15	29.69	38.52	0.14	99.88
			17.28	14.34	28.31	39.32	0.25	99.49
			17.42	15.13	29.20	38.37	0.14	100.25
	RJ-15	Malinao	18.09	13.08	37.82	32.35	0.09	101.44
			17.14	13.31	38.20	30.67	0.05	99.37
			17.48	12.93	38.19	32.13	0.31	101.04
	RJ-16	Malinao	16.55	13.79	35.76	33.54	0.22	99.86
			16.23	14.44	36.05	33.28	0.21	100.20
			16.20	14.66	36.14	32.98	0.08	100.04
	RK-49	Middle	19.84	11.46	25.92	42.88	0.20	100.29
			18.88	12.08	27.12	41.68	0.00	99.76
			19.33	11.00	25.81	42.02	0.34	98.50
	RK-50	Middle	21.82	9.90	16.31	51.53	0.01	99.56
			21.04	9.87	16.47	51.28	0.16	98.82
			21.04	10.08	17.00	51.56	0.09	99.77
	RL-04	West	15.76	15.09	38.11	31.72	0.19	100.86
			14.41	14.92	37.88	30.51	0.36	98.08
			16.17	14.75	37.33	31.42	0.20	99.87
B	BJR-013	Norsophil Mine	13.16	15.95	61.34	8.67	0.22	99.33
			13.62	15.89	60.29	8.44	0.03	98.27
			13.12	16.05	62.63	8.16	0.10	100.05
	BMR-006	Berong	15.29	12.26	56.77	14.87	0.33	99.51
			15.31	13.83	56.08	15.39	0.25	100.86
			14.74	12.78	56.36	14.75	0.10	98.73
	BMR-015	Long Point	11.75	18.53	54.53	15.70	0.10	100.61
			10.30	21.26	54.18	15.04	0.13	100.90
			9.56	20.90	53.13	14.25	0.24	98.07
	BPR-009	Berong	16.43	12.15	50.75	20.89	0.22	100.43
			17.17	13.00	48.97	20.09	0.19	99.42
			16.85	11.73	50.17	20.19	0.14	99.07



Appendix 36 Location map of line samping in Norsophil Mines

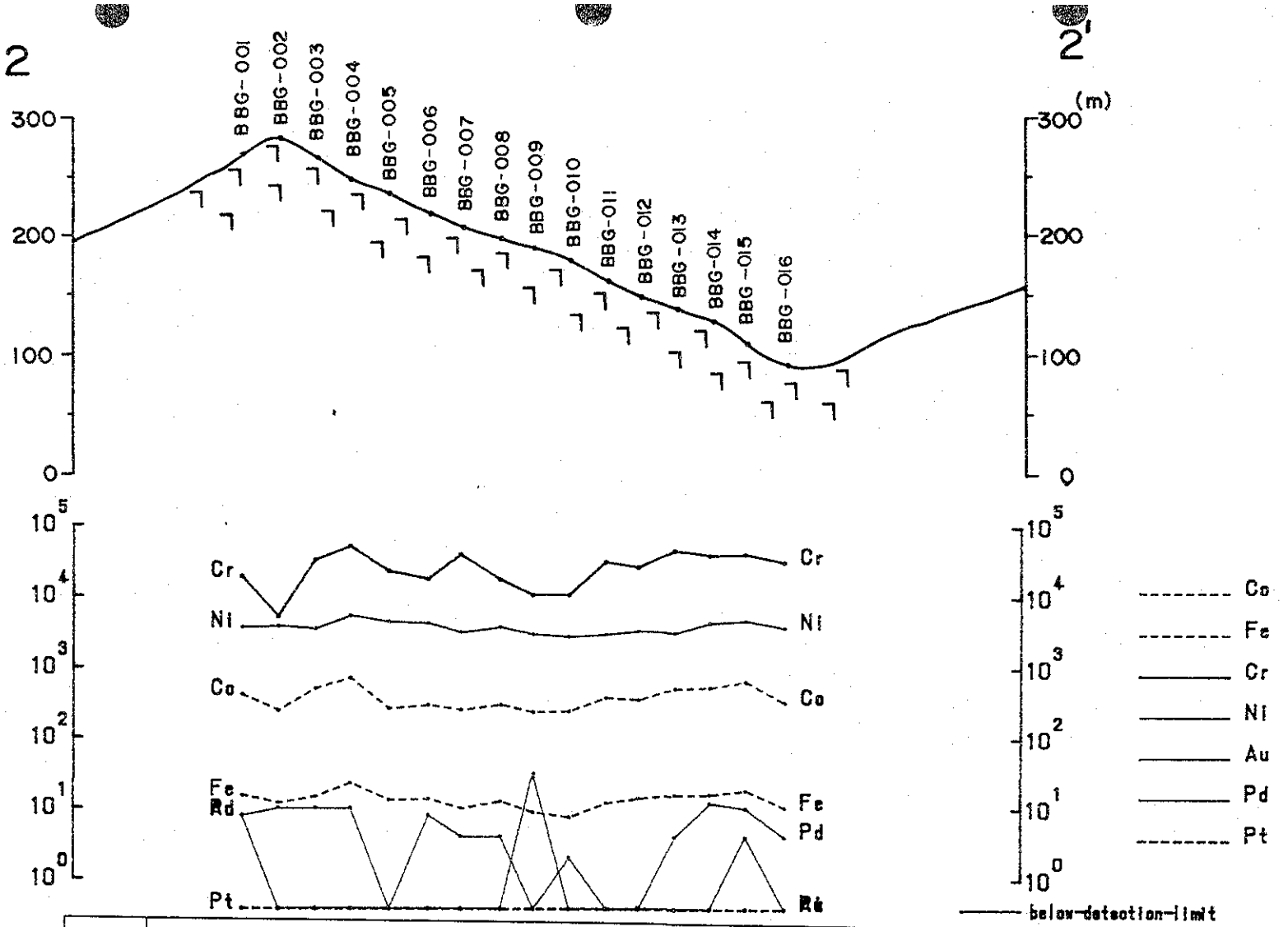


Appendix 37 Location map of soil samping in Norsophil Mines



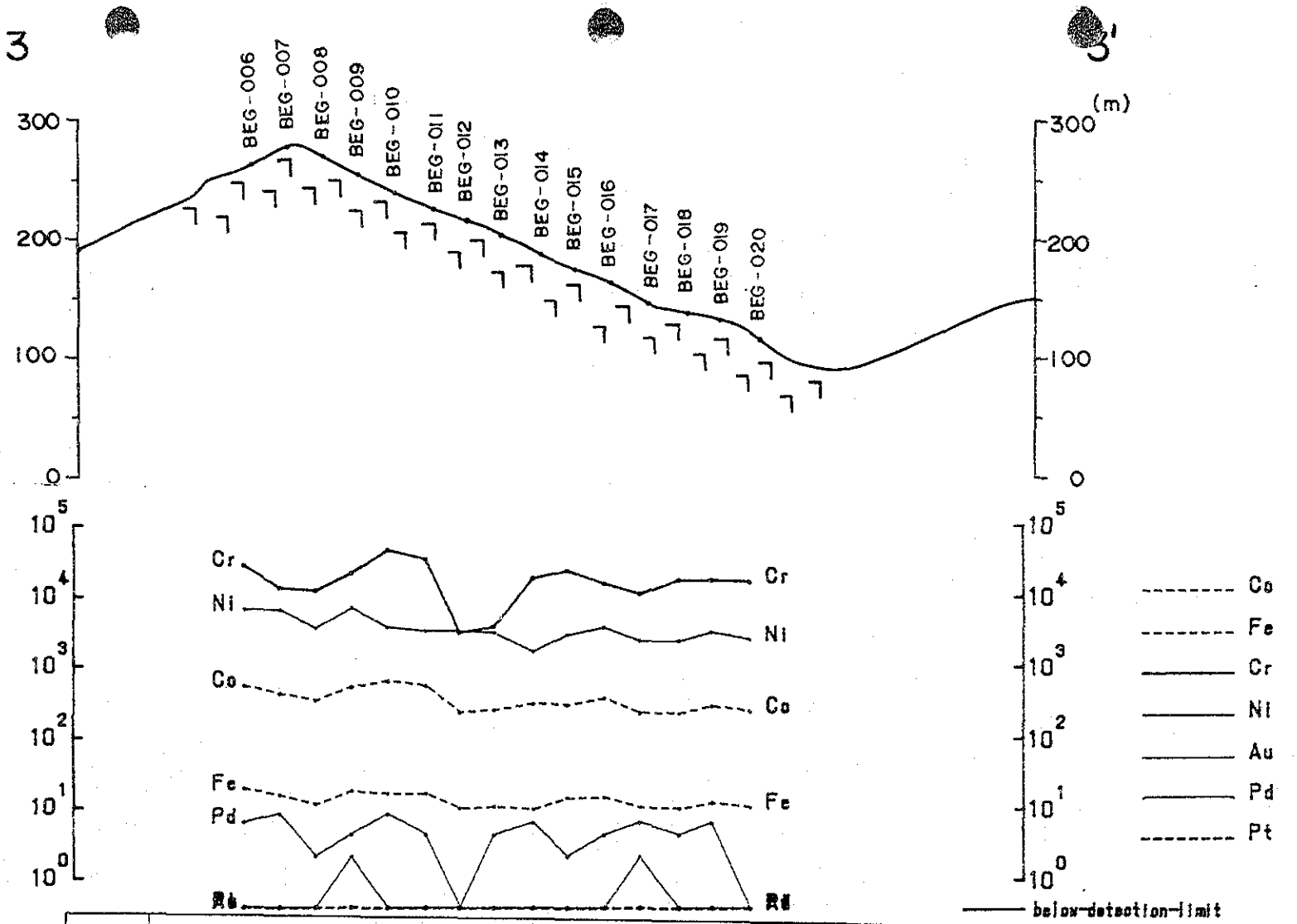
	BEG001	BEG002	BEG003	BEG004	BEG005
Pt (ppb)	<5	<5	<5	<5	<5
Pd (ppb)	12	12	8	6	8
Au (ppb)	4	<4	<2	<2	<2
Ni (ppm)	3690	1820	3170	3390	3810
Cr (ppm)	35000	17000	30000	26000	8500
Fe (%)	14.0	8.9	12.5	14.6	10.7
Co (ppm)	510	380	500	590	250

Appendix 38 Result of line sampling in Norsophil Mines



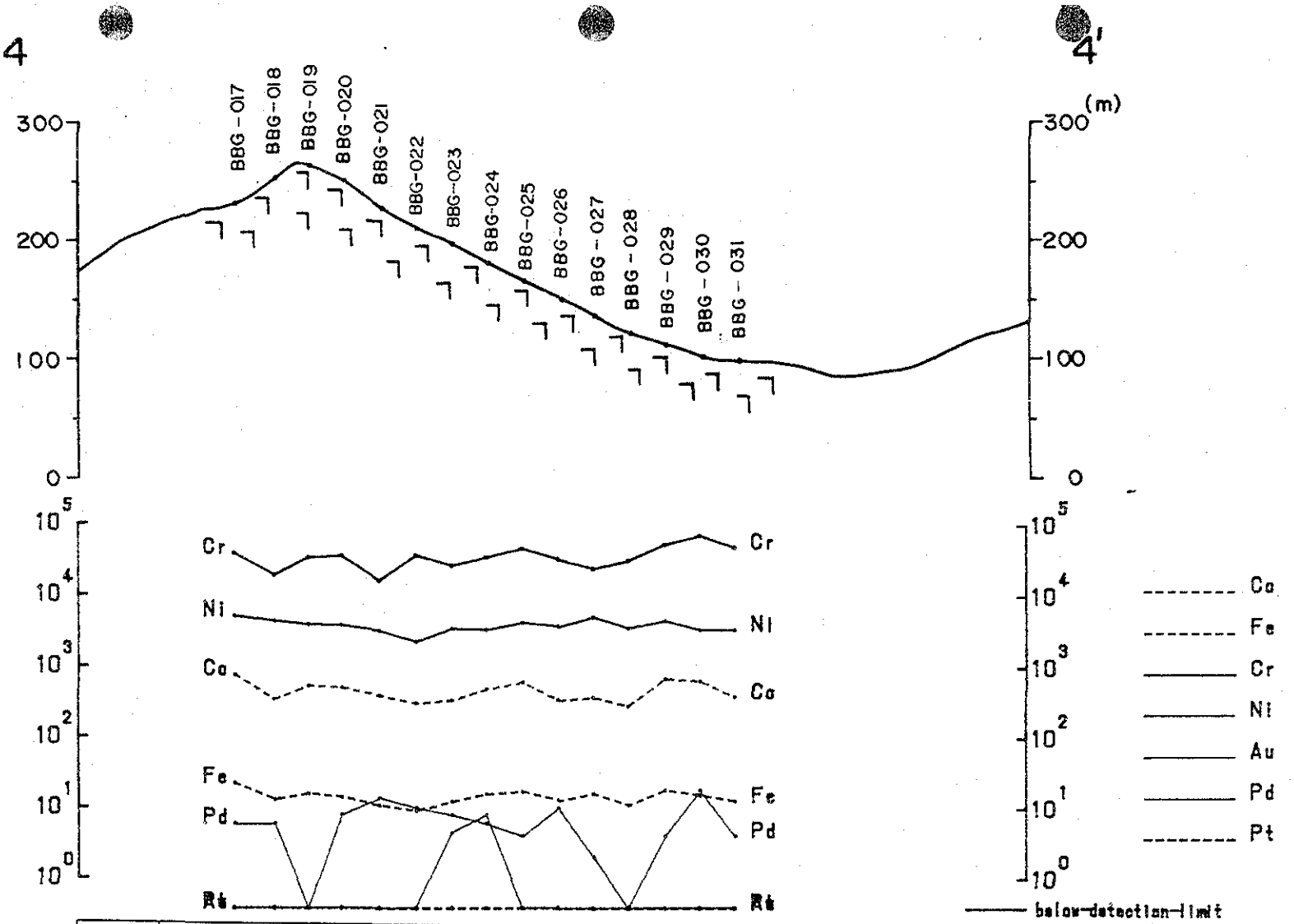
	BBG001	BBG002	BBG003	BBG004	BBG005	BBG006	BBG007	BBG008	BBG009	BBG010	BBG011	BBG012	BBG013	BBG014	BBG015	BBG016
Pt (ppb)	<10	<5	<10	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5
Pd (ppb)	8	10	10	10	<4	8	4	4	<4	2	<4	<4	4	12	10	4
Au (ppb)	8	<2	<4	<2	<4	<2	<4	<2	32	<2	<4	<4	<4	<2	4	<2
Ni (ppm)	3690	3840	3560	5500	4500	4300	3280	3890	3090	2840	3060	3480	3280	4500	4900	3880
Cr (ppm)	19000	5300	33000	52000	23000	18000	40000	18000	11000	11000	32000	27000	47000	40000	42000	32000
Fe (%)	15.3	12.1	14.7	23.1	13.2	13.6	10.1	12.7	8.8	7.6	12.1	13.9	15.8	16.1	18.3	10.5
Co (ppm)	420	250	520	730	270	300	260	310	240	250	390	360	530	550	660	330

Appendix 38 Result of line sampling in Norsophil Mines



	BEG006	BEG007	BEG008	BEG009	BEG010	BEG011	BEG012	BEG013	BEG014	BEG015	BEG016	BEG017	BEG018	BEG019	BEG020
Pt (ppb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5
Pd (ppb)	6	8	2	4	8	4	<2	4	6	2	4	6	4	6	<2
Au (ppb)	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	2	<4	<2	<2
Ni (ppm)	6500	6400	3500	6700	3640	3200	3280	3100	1600	2850	3650	2300	2320	3150	2430
Cr (ppm)	27000	13000	12000	21000	45000	33000	3200	3800	18000	23000	15000	11000	17000	17000	16000
Fe (%)	18.3	14.8	11.0	17.0	15.7	15.6	9.8	10.2	9.3	13.6	14.1	10.1	9.7	11.7	10.3
Co (ppm)	530	410	330	510	610	530	230	250	300	290	360	220	220	280	240

Appendix 38 Result of line sampling in Norsophil Mines



	BBG017	BBG018	BBG019	BBG020	BBG021	BBG022	BBG023	BBG024	BBG025	BBG026	BBG027	BBG028	BBG029	BBG030	BBG031
Pt (ppb)	<5	<5	<10	<5	<5	<5	n.s.s.	<10	<5	<5	<5	<5	<5	<15	<5
Pd (ppb)	6	6	<4	8	14	10	n.s.s.	6	4	10	2	<2	4	18	4
Au (ppb)	<2	<2	<4	<2	<2	<2	n.s.s.	8	<2	<2	<2	<2	<2	<6	<2
Ni (ppm)	5100	4300	3840	3760	3170	2250	3450	3330	4200	3730	5100	3560	4500	3400	3370
Cr (ppm)	38000	19000	33000	35000	16000	36000	26000	34000	45000	32000	24000	31000	53000	70000	48000
Fe (%)	22.5	13.2	16.1	14.2	10.8	9.2	12.5	16.1	17.4	13.0	16.3	11.2	18.3	15.4	12.6
Co (ppm)	750	340	530	500	390	300	330	480	600	340	370	280	690	640	380

Appendix 38 Result of line sampling in Norsophil Mines

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