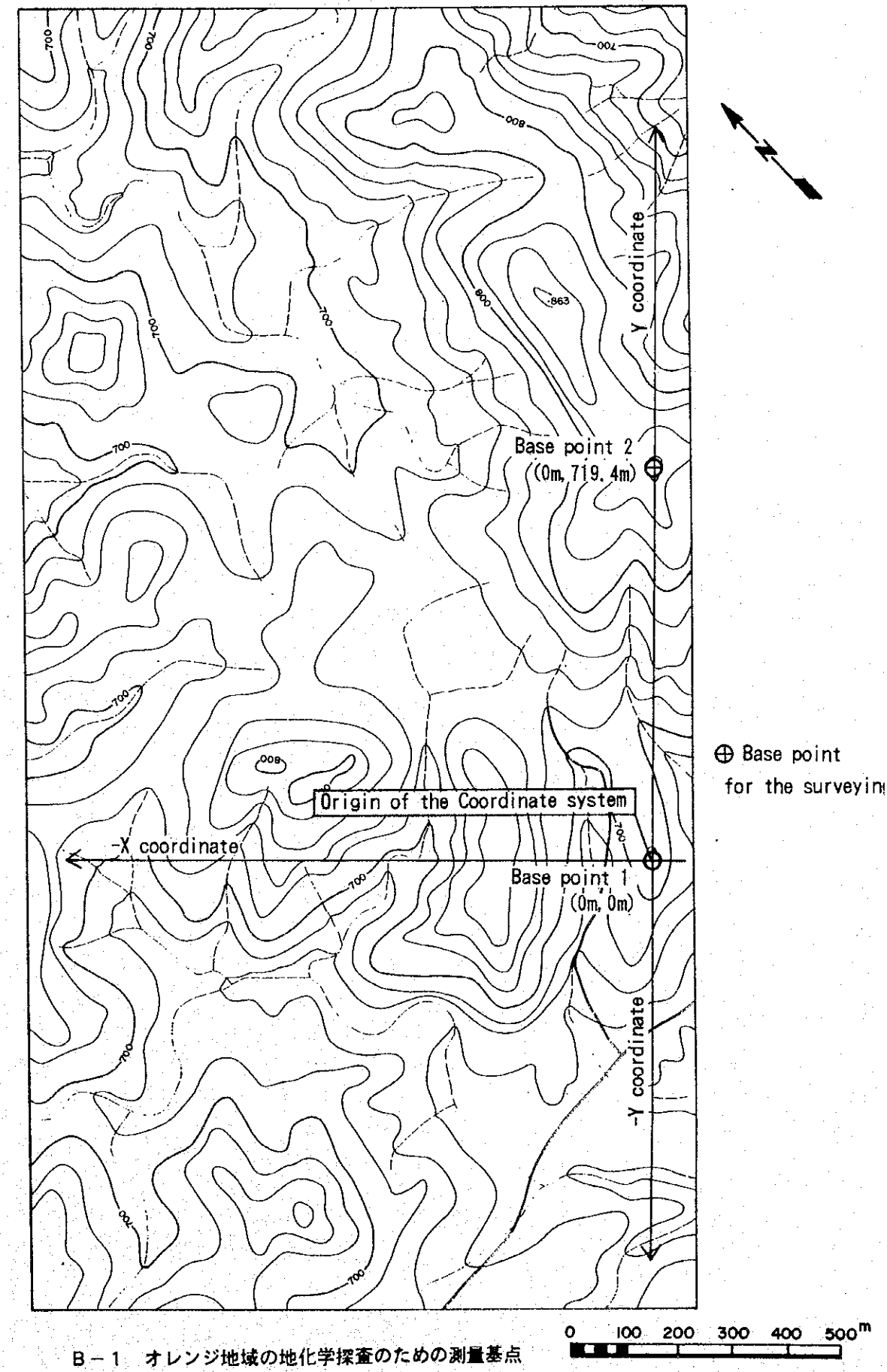
B－1　オレンジ地域
試 料 一 覧



B－1　オレンジ地域の地化学探査のための測量基点

Abbreviation in the list

Minerals

Qtz:	quartz
Fd:	feldspar
Ne:	nepheline
Hbl:	Hornbende
Agt:	aegirine
Aug:	augite
Px:	pyroxene group mineral
Phl:	phlogopite
Bt:	biotite
Cal:	calcite / calcitic
Dol:	dolomite / dolomitic
Ank:	ankerite / ankeritic
Ap:	apatite
Mag:	magnetite
Hem:	hematite
Gln:	galena

Structure

Bre.:	Brecciated / breccia

Rock code

Ktd:	trachyte dyke (Post- to Syn- Karoo sequence)
Kdd:	dolerite dyke (Post- to Syn- Karoo sequence)
Mgr:	granophyre and micro granite (MQC)
Mcd:	carbonatite dyke (MQC)
Mfn:	massive fenite (MQC)
Mcb:	beforsite (MQC)
Mcb1:	Central beforsite (MQC)
Mcb2:	Northeast beforsite (MQC)
Msu:	syenite (undifferentiated) (MQC)
Msr:	reddish porphyritic nepheline syenite (MQC)
Msm:	micro nepheline syenite sill (MQC)
Mcs:	sovite (MQC)
Msp:	porphyritic nepheline syenite (REE bearing) (MQC)
Msw:	grey-white porphyritic syenite (MQC)
Nsh:	shale, quartzite, and grit (Nama group)
Ngn:	quartz-feldspar gneiss (Namaqua metamorphic complex)

B－1　オレンジ地域試料一覧（1）

No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
	Surface															
1	A 100	-1162.5	-750.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
2	A 300	-900.0	-750.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
3	A 500	-600.0	-750.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
4	A 700	-300.0	-750.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
5	A 900	0.0	-750.0	-	Gneiss, Qtz-Fd	Ngn	93	○		○			○			
6	B 200	-1050.0	-600.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
7	B 400	-750.0	-600.0	-	Beforsite, Ank	Mcd	93	○					○			
8	B 500	-600.0	-600.0	-	Beforsite vein, Hbl?	Mcd	93	○								
9	B 600	-450.0	-625.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
10	B 700	-309.0	-600.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
11	B 800	-152.0	-600.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
12	Ba310	-850.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
13	Ba320	-800.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
14	Ba400	-750.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
15	Ba410	-700.0	-525.0	-	Syenite-albitite?	Mfn	93	○								
16	Ba420	-650.0	-525.0	-	Syenite-albitite?	Mfn	93	○								
17	Ba500	-600.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
18	Ba510	-560.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
19	Ba520	-510.0	-525.0	-	Sovite, Hbl	Mcs	93	○								
20	Ba600	-450.0	-525.0	-	Sovite	Mcs	93	○								
21	Ba610	-400.0	-525.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
22	Ba620	-350.0	-525.0	-	Sovite, Hbl-Agt	Mcs	93	○								
23	Bb400	-749.5	-487.5	-	Beforsite	Mcbl	94	○	○							
24	Bb410	-699.7	-487.5	-	Syenite, fenitised	Msu	94	○								
25	Bb420	-650.0	-487.5	-	Beforsite	Mcbl	94	○								
26	Bb500	-598.5	-487.5	-	Beforsite	Mcbl	94	○	○							
27	Bb510	-562.0	-487.5	-	Beforsite	Mcbl	94	○								
28	Bb515	-537.3	-487.5	-	Beforsite, Ank	Mcbl	94	○	○							
29	Bb520	-512.6	-487.5	-	Beforsite	Mcbl	94	○								
30	Bb525	-487.6	-487.5	-	Beforsite, Ank	Mcbl	94	○								
31	Bb600	-462.6	-487.5	-	Beforsite, Ank	Mcbl	94	○	○							
32	Bb605	-437.6	-487.5	-	Syenite	Msu	94	○								
33	C 100	-1162.5	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
34	C 300	-900.0	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
35	C 310	-850.0	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
36	C 320	-800.0	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
37	C 325	-775.0	-450.0	-	Beforsite, Ank	Mcbl	94	○								
38	C 400	-750.0	-450.0	-	Beforsite	Mcbl	93	○								
39	C 405	-725.0	-450.0	-	Beforsite, Ank	Mcbl	94	○								
40	C 410	-700.0	-450.0	-	Beforsite	Mcbl	93	○								
41	C 415	-675.0	-450.0	-	Syenite	Msu	94	○								
42	C 420	-650.0	-450.0	-	Dolerite	Kdd	94	○	○							
43	C 425	-625.0	-450.0	-	Beforsite	Mcbl	94	○								
44	C 500	-600.0	-450.0	-	Syenite, porphyritic	Mfn	93	○								
45	C 505	-575.0	-450.0	-	Beforsite	Mcbl	94	○								
46	C 510	-550.0	-450.0	-	Beforsite, Phl	Mcbl	93	○								
47	C 515	-525.0	-450.0	-	Beforsite	Mcbl	94	○								
48	C 520	-500.0	-450.0	-	Beforsite	Mcbl	93	○								
49	C 525	-475.0	-450.0	-	Beforsite	Mcbl	94	○								
50	C 600	-450.0	-450.0	-	Sovite, Hbl-Agt	Mcs	93	○								
51	C 605	-425.0	-450.0	-	Sovite, Px-Phl	Mcs	94	○								
52	C 610	-400.0	-450.0	-	Sovite, Hbl-Agt	Mcs	93	○								
53	C 620	-350.0	-450.0	-	Sovite, Hbl-Agt	Mcs	93	○								
54	C 700	-300.0	-450.0	-	Sovite, Hbl-Agt	Mcs	93	○								
55	C 800	-150.0	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
56	C 900	0.0	-450.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
57	Ca300	-900.0	-375.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
58	Ca310	-850.0	-375.0	-	Beforsite	Mcbl	93	○								
59	Ca315	-825.0	-375.0	-	Beforsite, Hbl-Agt-Phl-Ank	Mcbl	94	○								
60	Ca320	-800.0	-375.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
61	Ca325	-775.0	-375.0	-	Beforsite, Hbl-Agt-Phl-Ank	Mcbl	94	○								
62	Ca400	-750.0	-375.0	-	Syenite, porphyritic, banded	Mfn	93	○		○			○			
63	Ca405	-725.0	-375.0	-	Beforsite, Hbl-Phl	Mcbl	94	○								
64	Ca410	-700.0	-375.0	-	Beforsite, Phl-Agt-Hbl-Dol, vei	Mcbl	93	○		○			○			
65	Ca415	-675.0	-375.0	-	Beforsite	Mcbl	94	○								
66	Ca420	-650.0	-375.0	-	Beforsite	Mcbl	93	○								
67	Ca425	-625.0	-375.0	-	Beforsite	Mcbl	94	○								
68	Ca500	-600.0	-375.0	-	Beforsite	Mcbl	93	○					○			
69	Ca505	-576.6	-376.0	-	Beforsite	Mcbl	94	○								
70	Ca510	-550.0	-376.0	-	Beforsite	Mcbl	93	○								
71	Ca515	-526.6	-375.0	-	Beforsite	Mcbl	94	○								
72	Ca520	-499.7	-376.5	-	Beforsite	Mcbl	93	○								
73	Ca525	-476.4	-375.0	-	Beforsite	Mcbl	94	○								
74	Ca600	-448.0	-375.0	-	Beforsite	Mcbl	93	○								
75	Ca605	-400.0	-375.0	-	Beforsite	Mcbl	94	○								
76	Ca620	-350.0	-375.0	-	Syenite, porphyritic	Msu	93	○		○			○			
77	Ca700	-300.0	-375.0	-	Syenite - albitite ?	Msu	93	○								
78	Ca710	-250.0	-375.0	-	Sovite, Agt-Phl-Hbl	Mcs	93	○								

8－1　オレンジ地域試料一覧（2）

No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods							
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
79	Ca720	-210.0	-375.0	-	Sovite, Agt-Phl-Hbl	Mcs	93	○								
80	Cb310	-850.0	-337.5	-	Beforsite	Mcbl	94	○								
81	Cb315	-825.0	-337.5	-	Beforsite, Phl-Px	Mcbl	94	○	○							
82	Cb325	-775.0	-337.5	-	Beforsite, Ank	Mcbl	94	○								
83	Cb400	-747.0	-335.5	-	Fenite, Agt-Phl	Mfn	94	○								
84	Cb405	-725.0	-337.5	-	Beforsite, Phl-Px	Mcbl	94	○								
85	Cb410	-698.0	-337.5	-	Beforsite	Mcbl	94	○								
86	Cb415	-678.0	-337.5	-	Beforsite	Mcbl	94	○	○							
87	Cb420	-650.0	-337.5	-	Beforsite	Mcbl	94	○								
88	Cb425	-625.0	-332.5	-	Beforsite	Mcbl	94	○								
89	Cb500	-600.0	-337.5	-	Beforsite	Mcbl	94	○	○							
90	Cb510	-550.0	-337.5	-	Beforsite	Mcbl	94	○								
91	Cb515	-525.0	-337.5	-	Beforsite, Phl-Agt	Mcbl	94	○	○							
92	Cb520	-500.0	-337.5	-	Beforsite	Mcbl	94	○								
93	Cb525	-475.0	-337.5	-	Beforsite	Mcbl	94	○								
94	Cb600	-450.0	-342.5	-	Beforsite	Mcbl	94	○	○							
95	Cb605	-425.0	-337.5	-	Beforsite, Ank	Mcbl	94	○								
96	Cb610	-400.0	-337.5	-	Beforsite	Mcbl	94	○								
97	Cb615	-375.0	-337.5	-	Beforsite, Ank	Mcbl	94	○	○							
98	Cb620	-350.0	-337.5	-	Syenite, Agt-Hbl,fenitised	Msu	94	○								
99	Cc310	-850.0	-412.5	-	Gneiss, Qtz-Fd, fenitised	Ngn	94	○								
100	Cc315	-825.0	-412.5	-	Beforsite, Px-Hbl	Mcbl	94	○	○							
101	Cc320	-800.0	-413.5	-	Beforsite	Mcbl	94	○								
102	Cc325	-775.0	-412.5	-	Beforsite, Ank	Mcbl	94	○								
103	Cc400	-746.0	-412.5	-	Beforsite	Mcbl	94	○	○							
104	Cc405	-725.0	-412.5	-	Beforsite, Hbl-Agt-Phl	Mcbl	94	○								
105	Cc410	-700.0	-412.5	-	Fenite	Mfn	94	○								
106	Cc415	-675.0	-412.5	-	Beforsite	Mcbl	94	○	○							
107	Cc420	-650.0	-412.5	-	Beforsite, Ap	Mcbl	94	○								
108	Cc425	-627.0	-415.5	-	Beforsite, Phl	Mcbl	94	○								
109	Cc500	-601.0	-409.5	-	Beforsite	Mcbl	94	○	○							
110	Cc505	-575.0	-412.5	-	Beforsite, Agt-Phl	Mcbl	94	○								
111	Cc510	-550.0	-412.5	-	Beforsite	Mcbl	94	○			○		○			
112	Cc515	-525.0	-412.5	-	Beforsite	Mcbl	94	○	○							
113	Cc520	-500.0	-412.5	-	Beforsite	Mcbl	94	○								
114	Cc525	-475.0	-412.5	-	Syenite, Agt-phl	Msu	94	○								
115	Cc600	-448.0	-394.5	-	Beforsite	Mcbl	94	○	○							
116	Cc605	-425.0	-412.5	-	Beforsite, Ank	Mcbl	94	○								
117	Cc610	-400.0	-412.5	-	Beforsite	Mcbl	94	○								
118	D 100	-1162.5	-300.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
119	D 200	-1067.7	-300.0	-	Beforsite vein, Phl-Agt-Hbl	Mcd	93	○		○			○			
120	D 220	-950.0	-300.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
121	D 300	-909.0	-300.0	-	Syenite - albitite	Msu	93	○								
122	D 305	-875.0	-300.0	-	Beforsite	Mcbl	94	○								
123	D 310	-850.0	-300.0	-	Beforsite	Mcd	93	○					○			
124	D 400	-747.0	-300.0	-	Beforsite	Mcbl	93	○								
125	D 405	-725.0	-300.0	-	Beforsite	Mcbl	94	○								
126	D 410	-700.0	-300.0	-	Beforsite	Mcbl	93	○								
127	D 415	-675.0	-300.0	-	Beforsite	Mcbl	94	○								
128	D 420	-650.0	-300.0	-	Beforsite	Mcbl	93	○								
129	D 500	-600.0	-300.0	-	Beforsite	Mcbl	93	○								
130	D 505	-525.0	-300.0	-	Beforsite	Mcbl	94	○								
131	D 510	-550.0	-300.0	-	Beforsite	Mcbl	93	○								
132	D 515	-525.0	-300.0	-	Beforsite, Ank	Mcbl	94	○								
133	D 520	-500.0	-300.0	-	Beforsite	Mcbl	93	○								
134	D 525	-475.0	-300.0	-	Beforsite, Ank	Mcbl	94	○								
135	D 600	-450.0	-300.0	-	Beforsite	Mcbl	93	○								
136	D 605	-425.0	-300.0	-	Beforsite, Ank	Mcbl	94	○								
137	D 610	-400.0	-300.0	-	Beforsite	Mcbl	93	○								
138	D 615	-375.0	-300.0	-	Beforsite, Ank	Mcbl	94	○								
139	D 620	-350.0	-300.0	-	Beforsite	Mcbl	93	○								
140	D 700	-300.0	-300.0	-	Beforsite	Mcbl	93	○								
141	D 705	-275.0	-300.0	-	Beforsite, Ank	Mcbl	94	○								
142	D 710	-250.0	-300.0	-	Sovite, Phl-Hbl,banded	Mcs	93	○								
143	D 720	-200.0	-300.0	-	Sovite, Px-Hbl	Mcs	93	○								
144	D 800	-150.0	-300.0	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
145	Da220	-950.0	-225.0	-	Syenite - albitite	Msu	93	○								
146	Da300	-900.0	-225.0	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○	○	○			○			
147	Da305	-878.0	-225.0	-	Fenite, Agt	Mfn	94	○								
148	Da310	-850.0	-225.0	-	Syenite, bre.	Msu	93	○								
149	Da320	-800.0	-205.0	-	Beforsite, banded	Mcbl	93	○	○	○			○			
150	Da400	-750.0	-225.0	-	Beforsite, Agt	Mcbl	93	○								
151	Da405	-724.9	-225.0	-	Beforsite	Mcbl	94	○								
152	Da410	-702.1	-227.2	-	Beforsite	Mcbl	93	○								
153	Da415	-675.0	-227.0	-	Beforsite, Ap	Mcbl	94	○			○		○	○	○	
154	Da420	-649.5	-226.7	-	Beforsite	Mcbl	93	○								
155	Da425	-625.0	-230.0	-	Beforsite	Mcbl	94	○								
156	Da500	-600.0	-225.0	-	Beforsite	Mcbl	93	○				○				
157	Da505	-575.0	-225.0	-	Beforsite, Ank	Mcbl	94	○								

B－1　オレンジ地域試料一覧（3）

No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
158	Da510	-550.0	-225.0	-	Beforsite	Mcbl	93	○				○				
159	Da515	-525.0	-225.0	-	Beforsite, Ank	Mcbl	94	○								
160	Da520	-500.0	-225.0	-	Beforsite	Mcbl	93	○				○	○			
161	Da525	-475.0	-225.0	-	Beforsite, Ank	Mcbl	94	○								
162	Da600	-450.0	-225.0	-	Beforsite	Mcbl	93	○								
163	Da610	-423.0	-225.0	-	Beforsite	Mcbl	93	○								
164	Da700	-300.0	-225.0	-	Beforsite	Mcbl	93	○								
165	Da705	-275.0	-225.0	-	Beforsite, Ank	Mcbl	94	○								
166	Da710	-250.0	-225.0	-	Beforsite	Mcbl	93	○				○				
167	Da715	-225.0	-225.0	-	Beforsite, Ank	Mcbl	94	○								
168	Da720	-200.0	-225.0	-	Syenite, bre.	Mfn	93	○								
169	Da800	-150.0	-225.0	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
170	Da810	-100.0	-225.0	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○		○			○			
171	Db305	-872.0	-187.6	-	Syenite, Agt-Hbl	Msu	94	○								
172	Db310	-850.1	-187.6	-	Syenite, Agt-Hbl	Msu	94	○								
173	Db315	-825.1	-187.6	-	Fenite	Mfn	94	○								
174	Db320	-800.1	-187.6	-	Beforsite	Mcbl	94	○								
175	Db325	-774.0	-187.6	-	Beforsite	Mcbl	94	○								
176	Db400	-750.1	-184.6	-	Beforsite	Mcbl	94	○	○							
177	Db405	-726.8	-187.6	-	Beforsite	Mcbl	94	○								
178	Db410	-699.4	-187.6	-	Beforsite	Mcbl	94	○								
179	Db415	-674.4	-188.6	-	Beforsite	Mcbl	94	○	○							
180	Db420	-648.9	-187.6	-	Beforsite, Ap	Mcbl	94	○								
181	Db425	-624.9	-187.5	-	Beforsite	Mcbl	94	○								
182	Db505	-574.9	-187.5	-	Beforsite	Mcbl	94	○			○		○			
183	Db510	-550.0	-185.7	-	Beforsite	Mcbl	94	○								
184	Db515	-524.0	-185.7	-	Beforsite	Mcbl	94	○	○		○		○			
185	Db520	-497.9	-185.7	-	Beforsite, Ap	Mcbl	94	○								
186	Db600	-456.8	-185.7	-	Beforsite	Mcbl	94	○	○							
187	Db610	-422.0	-185.7	-	Beforsite	Mcbl	94	○								
188	Db620	-350.8	-187.5	-	Beforsite	Mcbl	94	○								
189	Db700	-300.0	-187.5	-	Beforsite	Mcbl	94	○	○							
190	Db705	-275.0	-187.5	-	Beforsite, Ank	Mcbl	94	○								
191	Db710	-250.0	-187.5	-	Beforsite	Mcbl	94	○								
192	Db715	-225.0	-187.5	-	Beforsite, Ank	Mcbl	94	○	○							
193	Db720	-200.0	-187.5	-	Fenite	Mfn	94	○								
194	Dc320	-799.4	-262.5	-	Fenite, Agt-Phl	Mfn	94	○	○							
195	Dc405	-724.4	-262.5	-	Beforsite	Mcbl	94	○	○							
196	Dc410	-699.8	-262.5	-	Beforsite	Mcbl	94	○								
197	Dc415	-674.3	-262.5	-	Beforsite	Mcbl	94	○	○							
198	Dc420	-649.6	-262.5	-	Beforsite	Mcbl	94	○								
199	Dc425	-624.9	-262.5	-	Beforsite	Mcbl	94	○								
200	Dc500	-600.0	-262.5	-	Beforsite	Mcbl	94	○	○							
201	Dc505	-575.0	-262.5	-	Beforsite	Mcbl	94	○								
202	Dc510	-550.0	-262.5	-	Beforsite	Mcbl	94	○								
203	Dc515	-525.0	-262.5	-	Beforsite, Ank	Mcbl	94	○	○							
204	Dc520	-500.0	-262.5	-	Beforsite	Mcbl	94	○								
205	Dc525	-475.0	-262.5	-	Beforsite, Ank	Mcbl	94	○								
206	Dc600	-450.0	-262.5	-	Granophyre	Mgr	94	○	○							
207	Dc605	-425.0	-262.5	-	Beforsite, Ank	Mcbl	94	○								
208	Dc610	-395.0	-262.5	-	Beforsite	Mcbl	94	○								
209	Dc615	-375.0	-262.5	-	Beforsite, Ank	Mcbl	94	○	○							
210	Dc620	-350.0	-262.5	-	Beforsite	Mcbl	94	○								
211	Dc625	-325.0	-262.5	-	Beforsite, Ank	Mcbl	94	○								
212	Dc700	-300.0	-262.5	-	Beforsite	Mcbl	94	○	○							
213	Dc705	-275.0	-262.5	-	Beforsite, Ank	Mcbl	94	○								
214	Dc710	-249.0	-262.5	-	Beforsite	Mcbl	94	○								
215	Dc715	-225.0	-262.5	-	Sovite, Px-Phl	Mcs	94	○								
216	E 100	-1162.5	-147.8	-	Gneiss, Qtz-Fd	Ngn	93	○								
217	E 220	-950.0	-147.8	-	Syenite, banded	Msu	93	○								
218	E 300	-900.0	-147.8	-	Beforsite, Ank	Mcbl	93,94	○								
219	E 305	-876.1	-147.8	-	Syenite	Msu	94	○								
220	E 310	-850.0	-147.8	-	Syenite, banded	Msu	93	○		○			○			
221	E 315	-825.5	-147.8	-	Fenite	Mfn	94	○								
222	E 320	-800.0	-147.8	-	Beforsite, Phl-Hbl	Mcbl	93	○								
223	E 325	-774.3	-147.8	-	Beforsite	Mcbl	94	○								
224	E 400	-750.0	-147.8	-	Beforsite	Mcbl	93	○								
225	E 405	-725.6	-147.8	-	Beforsite	Mcbl	94	○								
226	E 410	-700.0	-147.3	-	Beforsite	Mcbl	93	○								
227	E 415	-676.5	-147.8	-	Beforsite, Ap	Mcbl	94	○								
228	E 420	-650.0	-147.8	-	Beforsite	Mcbl	93	○								
229	E 425	-624.7	-148.8	-	Beforsite	Mcbl	94	○								
230	E 500	-600.0	-147.8	-	Beforsite	Mcbl	93	○		○		○	○			
231	E 505	-574.7	-147.8	-	Beforsite	Mcbl	94	○								
232	E 510	-549.7	-147.8	-	Beforsite	Mcd	94	○			○		○		○	
233	E 515	-525.0	-147.8	-	Beforsite	Mcbl	94	○								
234	E 520	-500.0	-147.8	-	Beforsite	Mcbl	93	○								
235	E 600	-450.0	-147.8	-	Beforsite	Mcbl	93	○								
236	E 610	-400.0	-147.8	-	Beforsite	Mcbl	93	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods							
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
237	E 620	-350.0	-147.8	-	Beforsite	Mcbl	93	○								
238	E 700	-300.0	-147.8	-	Beforsite	Mcbl	93	○								
239	E 705	-275.0	-147.8	-	Beforsite	Mcbl	94	○								
240	E 710	-250.0	-147.8	-	Beforsite	Mcbl	93	○								
241	E 715	-225.0	-147.8	-	Beforsite, Ank	Mcbl	94	○								
242	E 720	-196.0	-138.8	-	Beforsite	Mcbl	93	○								
243	E 800	-133.0	-147.8	-	Syenite, bre.	Msu	93	○								
244	E 810	-100.0	-147.8	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
245	E 900	0.0	-147.8	-	Gneiss, Qtz-Fd	Ngn	93	○								
246	Ea420A	-654.4	-74.7	-	White mineral vein in beforsite	Vein	94						○			
247	Ea510A	-550.7	-77.7	-	Beforsite, Ca bearing	Mcd	93					○				
248	Ea220	-950.0	-74.7	-	Syenite	Msu	93	○		○		○	○			
249	Ea300	-898.6	-74.7	-	Beforsite, Agt agregation	Mcbl	93	○	○	○			○			
250	Ea305	-873.5	-74.7	-	Beforsite	Mcbl	94	○								
251	Ea310	-855.2	-73.2	-	Beforsite, Fd bearing	Mcd	93	○								
252	Ea313	-830.1	-74.7	-	Syenite, Agt-Hbl	Msu	94	○								
253	Ea317	-815.1	-74.7	-	Beforsite	Mcbl	94	○								
254	Ea320	-808.4	-73.3	-	Sovite, Ap	Msu	93	○	○	○			○			
255	Ea325	-775.3	-74.7	-	Beforsite	Mcbl	94	○								
256	Ea400	-744.9	-74.3	-	Beforsite	Mcbl	93	○								
257	Ea405	-727.2	-74.7	-	Beforsite	Mcbl	94	○								
258	Ea410	-706.1	-74.7	-	Beforsite	Mcbl	93	○	○	○		○	○			
259	Ea415	-676.4	-74.7	-	Beforsite	Mcbl	94	○								
260	Ea420	-654.4	-74.7	-	Beforsite	Mcbl	93	○								
261	Ea425	-627.6	-74.7	-	Beforsite	Mcbl	94	○								
262	Ea500	-597.5	-74.7	-	Beforsite	Mcbl	93	○								
263	Ea505	-572.1	-74.7	-	Beforsite	Mcbl	94	○								
264	Ea510	-547.7	-74.7	-	Beforsite with Dol mega-crystal	Mcbl	93	○				○				
265	Ea515	-521.1	-74.7	-	Beforsite	Mcbl	94	○								
266	Ea520	-497.7	-74.7	-	Beforsite	Mcbl	93	○								
267	Ea525	-477.3	-74.7	-	Beforsite	Mcbl	94	○								
268	Ea600	-446.0	-74.7	-	Beforsite	Mcbl	93	○	○	○			○			
269	Ea605	-428.0	-74.7	-	Beforsite	Mcbl	94	○								
270	Ea610	-392.6	-74.7	-	Beforsite with Dol mega-crystal	Mcbl	93	○					○			
271	Ea620	-341.6	-74.7	-	Beforsite	Mcbl	93	○								
272	Ea700	-298.0	-70.2	-	Beforsite	Mcbl	93	○								
273	Ea705	-273.0	-70.2	-	Beforsite, Ank	Mcbl	94	○								
274	Ea710	-248.0	-70.2	-	Beforsite	Mcbl	93	○	○	○			○			
275	Ea715	-222.6	-70.2	-	Beforsite, Ank	Mcbl	94	○								
276	Ea720	-197.2	-70.2	-	Beforsite	Mcbl	93	○								
277	Ea800	-154.4	-70.2	-	Sovite	Mcs	93	○		○			○			
278	Ea810	-100.0	-70.2	-	Syenite, leuco-	Msu	93	○								
279	Eb300	-904.8	-33.7	-	Syenite, Agt, fenitized	Msu	94	○								
280	Eb305	-880.1	-33.7	-	Beforsite	Mcbl	94	○								
281	Eb310	-855.2	-33.7	-	Beforsite	Mcbl	94	○								
282	Eb315	-830.2	-33.7	-	Beforsite, Gn bearing	Mcbl	94	○	○							○
283	Eb320	-803.6	-34.7	-	Syenite, Agt, fenitized	Msu	94	○								
284	Eb325	-779.6	-33.7	-	Beforsite, Agt segregate	Mcbl	94	○								
285	Eb400	-754.7	-33.7	-	Beforsite	Mcbl	94	○	○							
286	Eb405	-729.9	-33.7	-	Beforsite	Mcbl	94	○								
287	Eb410	-705.2	-33.7	-	Beforsite	Mcbl	94	○								
288	Eb415	-680.1	-33.7	-	Beforsite	Mcbl	94	○	○							
289	Eb420	-655.1	-33.7	-	Beforsite	Mcbl	94	○								
290	Eb425	-629.7	-33.7	-	Beforsite	Mcbl	94	○								
291	Eb500	-604.5	-33.7	-	Beforsite	Mcbl	94	○	○							
292	Eb505	-579.5	-33.7	-	Beforsite	Mcbl	94	○								
293	Eb510	-554.5	-33.7	-	Beforsite	Mcbl	94	○								
294	Eb515	-529.4	-33.7	-	Beforsite, Agt?	Mcbl	94	○	○							
295	Eb520	-504.3	-33.7	-	Beforsite, Agt?	Mcbl	94	○								
296	Eb523	-516.8	-33.7	-	Beforsite	Mcbl	94								○	
297	Eb525	-479.3	-33.7	-	Beforsite	Mcbl	94	○								
298	Eb600	-454.4	-33.7	-	Beforsite	Mcbl	94	○								
299	Eb605	-429.5	-33.7	-	Beforsite	Mcbl	94	○								
300	Eb610	-404.9	-33.7	-	Beforsite	Mcbl	94	○	○							
301	Eb620	-354.7	-33.7	-	Beforsite	Mcbl	94	○								
302	Eb700	-298.0	-33.7	-	Beforsite	Mcbl	94	○	○							
303	Eb705	-272.8	-32.2	-	Beforsite, Ank	Mcbl	94	○								
304	Eb710	-247.5	-32.2	-	Beforsite	Mcbl	94	○								
305	Eb715	-222.4	-32.2	-	Beforsite, Ank	Mcbl	94	○	○							
306	Eb720	-197.2	-32.2	-	Beforsite	Mcbl	94	○								
307	Ec300	-899.6	-109.8	-	Beforsite	Mcbl	94	○	○							
308	Ec305	-876.1	-113.8	-	Syenite, cut by Ank vein	Msu	94	○								
309	Ec310	-849.9	-113.8	-	Syenite	Msu	94	○	○							
310	Ec315	-824.7	-113.8	-	Fenite, carbonatised	Mfn	94	○								
311	Ec320	-798.8	-109.8	-	Beforsite, Agt-Phl	Mcbl	94	○								
312	Ec325	-774.9	-110.8	-	Beforsite	Mcbl	94	○								
313	Ec400	-750.3	-112.8	-	Beforsite	Mcbl	94	○	○							
314	Ec405	-724.9	-112.8	-	Beforsite	Mcbl	94	○								
315	Ec410	-699.6	-112.8	-	Beforsite	Mcbl	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
316	Ec415	-675.6	-112.3	-	Beforsite, Agt	Mcbl	94	○	○							
317	Ec420	-649.7	-112.8	-	Beforsite	Mcbl	94	○								
318	Ec425	-624.5	-112.8	-	Beforsite	Mcbl	94	○								
319	Ec500	-601.0	-112.8	-	Beforsite	Mcbl	94	○	○							
320	Ec505	-570.9	-112.8	-	Beforsite	Mcbl	94	○								
321	Ec510	-549.4	-112.8	-	Beforsite	Mcbl	94	○								
322	Ec515	-524.6	-112.8	-	Beforsite	Mcbl	94	○								
323	Ec520	-500.0	-120.8	-	Beforsite	Mcbl	94	○								
324	Ec525	-474.3	-115.0	-	Beforsite	Mcbl	94	○								
325	Ec600	-448.8	-115.0	-	Beforsite, Agt	Mcbl	94	○	○							
326	Ec605	-423.0	-115.0	-	Beforsite	Mcbl	94	○								
327	Ec610	-397.8	-115.0	-	Beforsite	Mcbl	94	○								
328	Ec620	-350.4	-115.0	-	Beforsite	Mcbl	94	○	○							
329	Ec700	-321.9	-115.0	-	Beforsite	Mcbl	94	○	○							
330	Ec705	-272.5	-108.7	-	Beforsite	Mcbl	94	○								
331	Ec710	-247.5	-102.3	-	Beforsite	Mcbl	94	○								
332	Ec715	-225.1	-102.3	-	Beforsite, Ank	Mcbl	94	○	○							
333	Ec720	-202.7	-102.3	-	Beforsite	Mcbl	94	○								
334	F 200	-1050.0	0.0	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
335	F 300	-900.0	0.0	-	Syenite, porphyritic	Msu	93	○								
336	F 310	-850.0	0.0	-	Beforsite, Hbl	Mcbl	93	○								
337	F 320	-800.0	0.0	-	Beforsite with Mag layers	Mcbl	93	○								
338	F 400	-750.0	0.0	-	Beforsite	Mcbl	93	○								
339	F 410	-700.0	0.0	-	Beforsite	Mcbl	93	○								
340	F 415	-674.8	0.0	-	Beforsite	Mcbl	94	○								
341	F 420	-650.0	0.0	-	Beforsite	Mcbl	93	○								
342	F 425	-624.3	0.0	-	Beforsite	Mcbl	94	○								
343	F 500	-600.0	0.0	-	Beforsite	Mcbl	93	○								
344	F 505	-574.5	0.0	-	Beforsite	Mcbl	94	○								
345	F 510	-550.0	0.0	-	Beforsite	Mcbl	93	○								
346	F 515	-526.6	0.0	-	Beforsite	Mcbl	94	○								
347	F 520	-500.0	0.0	-	Beforsite	Mcbl	93	○				○				
348	F 525	-474.9	0.0	-	Beforsite	Mcbl	94	○								
349	F 600	-450.0	0.0	-	Beforsite	Mcbl	93	○								
350	F 605	-425.0	0.0	-	Beforsite	Mcbl	94	○								
351	F 610	-400.0	0.0	-	Beforsite	Mcbl	93	○								
352	F 615	-374.6	0.0	-	Beforsite	Mcbl	94	○								
353	F 620	-354.4	0.0	-	Beforsite	Mcbl	93	○				○				
354	F 625	-324.9	0.0	-	Beforsite	Mcbl	94	○								
355	F 700	-305.2	-4.4	-	Beforsite	Mcbl	93	○	○	○		○	○			
356	F 705	-280.3	-4.4	-	Beforsite	Mcbl	94	○								
357	F 710	-250.0	0.0	-	Beforsite	Mcbl	93	○		○			○			
358	F 715	-228.7	0.0	-	Beforsite, Ap	Mcbl	94	○								
359	F 720	-200.0	0.0	-	Beforsite, Phl	Mcbl	93	○								
360	F 800	-150.0	0.0	-	Syenite, Ne with Cal matrix	Msu	93	○								
361	F 810	-100.0	0.0	-	Syenite, Ne with Cal matrix	Msu	93	○	○	○			○			
362	F 900	0.0	0.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
363	Fa310	-842.5	70.0	-	Beforsite	Mcbl	93	○								
364	Fa320	-792.5	70.0	-	Beforsite	Mcbl	93	○								
365	Fa400	-750.0	70.0	-	Beforsite, Bt	Mcbl	93	○								
366	Fa410	-700.0	70.0	-	Beforsite	Mcbl	93	○								
367	Fa415	-675.0	70.0	-	Beforsite	Mcbl	94	○								
368	Fa420	-650.0	70.0	-	Beforsite	Mcbl	93	○								
369	Fa425	-625.2	68.0	-	Beforsite	Mcbl	94	○								
370	Fa500	-600.0	70.0	-	Beforsite	Mcbl	93	○								
371	Fa505	-576.6	70.0	-	Beforsite	Mcbl	94	○								
372	Fa510	-548.6	67.4	-	Beforsite	Mcbl	93	○								
373	Fa515	-526.6	70.0	-	Beforsite	Mcbl	94	○								
374	Fa520	-500.0	70.0	-	Beforsite	Mcbl	93	○								
375	Fa525	-480.7	73.6	-	Beforsite	Mcbl	94	○								
376	Fa600	-450.0	70.0	-	Beforsite	Mcbl	93	○					○			
377	Fa605	-429.2	70.6	-	Beforsite	Mcbl	94	○								
378	Fa610	-400.0	70.0	-	Beforsite	Mcbl	93	○								
379	Fa615	-379.7	70.6	-	Beforsite	Mcbl	94	○								
380	Fa620	-360.1	64.2	-	Beforsite	Mcbl	93	○								
381	Fa625	-330.2	64.6	-	Beforsite	Mcbl	94	○								
382	Fa700	-308.1	66.1	-	Beforsite	Mcbl	93	○								
383	Fa705	-280.2	64.6	-	Beforsite	Mcbl	94	○								
384	Fa710	-259.5	62.6	-	Beforsite	Mcbl	93	○								
385	Fa715	-230.2	64.6	-	Beforsite	Mcbl	94	○								
386	Fa720	-204.2	61.1	-	Beforsite	Mcbl	93	○								
387	Fa800	-150.0	70.0	-	Syenite, Ne with Cal matrix	Msu	93	○								
388	Fa810	-100.0	70.0	-	Syenite, Ne with Cal matrix	Msu	93	○								
389	Fb320	-784.7	98.6	-	Beforsite	Mcbl	94	○								
390	Fb400	-759.7	98.6	-	Beforsite	Mcbl	94	○	○							
391	Fb410	-709.7	98.6	-	Beforsite	Mcbl	94	○								
392	Fb415	-684.7	98.6	-	Beforsite	Mcbl	94	○	○							
393	Fb420	-659.7	98.6	-	Beforsite	Mcbl	94	○								
394	Fb425	-634.7	98.6	-	Beforsite	Mcbl	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods							
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
395	Fb500	-609.7	98.6	-	Beforsite	Mcbl	94	○	○							
396	Fb505	-584.7	98.6	-	Beforsite	Mcbl	94	○								
397	Fb510	-559.7	98.6	-	Beforsite	Mcbl	94	○								
398	Fb515	-534.7	98.6	-	Beforsite	Mcbl	94	○	○							
399	Fb520	-509.7	98.6	-	Beforsite	Mcbl		○								
400	Fb525	-484.7	98.6	-	Beforsite	Mcbl	94	○								
401	Fb600	-459.7	98.6	-	Beforsite	Mcbl	94	○	○							
402	Fb605	-435.1	98.6	-	Beforsite	Mcbl	94	○								
403	Fb610	-413.7	98.6	-	Beforsite	Mcbl	94	○								
404	Fb615	-386.7	98.6	-	Beforsite	Mcbl	94	○	○							
405	Fb620	-361.5	98.6	-	Beforsite	Mcbl	94	○								
406	Fb625	-336.9	98.6	-	Beforsite	Mcbl	94	○								
407	Fb700	-312.0	98.6	-	Beforsite	Mcbl	94	○	○							
408	Fb705	-284.2	98.6	-	Beforsite	Mcbl	94	○								
409	Fb710	-258.7	98.6	-	Beforsite	Mcbl	94	○								
410	Fb715	-233.1	98.6	-	Beforsite	Mcbl	94	○	○							
411	Fb720	-208.2	98.6	-	Fenite, Agt-Phl	Mfn	94	○								
412	Fc310	-851.9	33.1	-	Beforsite	Mcbl	94	○								
413	Fc320	-802.0	33.1	-	Beforsite	Mcbl	94	○								
414	Fc400	-751.4	33.1	-	Beforsite	Mcbl	94	○	○							
415	Fc410	-704.2	33.1	-	Beforsite	Mcbl	94	○								
416	Fc415	-677.5	34.1	-	Beforsite	Mcbl	94	○	○							
417	Fc420	-653.5	33.1	-	Beforsite	Mcbl	94	○								
418	Fc425	-628.4	30.1	-	Beforsite	Mcbl	94	○								
419	Fc500	-604.2	33.1	-	Beforsite	Mcbl	94	○	○							
420	Fc505	-578.9	31.1	-	Beforsite	Mcbl	94	○								
421	Fc510	-554.3	33.1	-	Beforsite	Mcbl	94	○								
422	Fc515	-529.3	33.1	-	Beforsite	Mcbl	94	○	○							
423	Fc520	-504.5	33.1	-	Beforsite	Mcbl	94	○								
424	Fc525	-479.5	33.1	-	Beforsite	Mcbl	94	○								
425	Fc600	-454.3	33.1	-	Beforsite	Mcbl	94	○	○							
426	Fc605	-429.2	33.1	-	Beforsite	Mcbl	94	○								
427	Fc610	-404.2	33.1	-	Beforsite	Mcbl	94	○								
428	Fc615	-379.3	33.1	-	Beforsite	Mcbl	94	○	○							
429	Fc620	-354.4	33.1	-	Beforsite	Mcbl	94	○								
430	Fc625	-330.0	33.1	-	Beforsite	Mcbl	94	○								
431	Fc700	-305.2	33.1	-	Beforsite	Mcbl	94	○								
432	Fc705	-274.4	37.9	-	Beforsite	Mcbl	94	○								
433	Fc710	-249.8	37.9	-	Beforsite	Mcbl	94	○							○	
434	Fc715	-225.0	37.9	-	Beforsite	Mcbl	94	○	○							
435	Fc720	-200.0	37.9	-	Beforsite	Mcbl	94	○								
436	G 200	-1060.0	122.1	-	Fenite (no quartz)	Ngn	93	○								
437	G 300	-910.0	122.1	-	Syenite, Ne with Cal matrix	Msu	93	○								
438	G 310	-860.0	122.1	-	Syenite, Ne	Msu	93	○								
439	G 320	-810.0	122.1	-	Syenite(1), beforsite vein(2)	Msu	93	○								
440	G 400	-760.0	122.1	-	Beforsite, Phl	Mcbl	93	○					○			
441	G 410	-710.0	122.1	-	Beforsite, Phl	Mcbl	93	○								
442	G 415	-685.0	122.1	-	Beforsite	Mcbl	94	○								
443	G 420	-660.0	122.1	-	Beforsite	Mcbl	93	○								
444	G 425	-635.0	122.1	-	Beforsite	Mcbl	94	○								
445	G 500	-610.0	122.1	-	Beforsite	Mcbl	93	○								
446	G 505	-585.0	122.1	-	Beforsite	Mcbl	94	○								
447	G 510	-560.0	122.1	-	Beforsite	Mcbl	93	○								
448	G 515	-535.0	122.1	-	Beforsite	Mcbl	94	○								
449	G 520	-510.0	122.1	-	Beforsite	Mcbl	93	○								
450	G 525	-485.0	122.1	-	Beforsite	Mcbl	94	○								
451	G 600	-460.0	122.1	-	Beforsite	Mcbl	93	○								
452	G 605	-444.3	128.3	-	Beforsite	Mcbl	94	○								
453	G 610	-410.0	122.1	-	Beforsite, Phl	Mcbl	93	○								
454	G 615	-385.1	122.1	-	Beforsite	Mcbl	94	○								
455	G 620	-360.0	122.4	-	Beforsite	Mcbl	93	○								
456	G 625	-335.6	122.1	-	Beforsite	Mcbl	94	○								
457	G 700	-311.7	125.1	-	Beforsite	Mcbl	93	○								
458	G 705	-286.5	122.1	-	Beforsite	Mcbl	94	○								
459	G 710	-267.6	128.6	-	Beforsite, Phl	Mcbl	93	○								
460	G 715	-235.3	122.1	-	Syenite, Agt	Msu	94	○								
461	G 720	-210.0	122.1	-	Sovite-beforsite, Phl	Mcs	93	○					○			
462	G 800	-160.0	122.1	-	Syenite	Msu	93	○								
463	G 900	-10.0	122.1	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
464	Ga310	-877.2	214.5	-	Syenite, Ne	Msu	93	○								
465	Ga320	-827.2	214.5	-	Syenite, Ne	Msu	93	○								
466	Ga400	-777.2	214.5	-	Beforsite dyke with Phl	Mcd	93	○								
467	Ga410	-727.2	214.5	-	Syenite	Msu	93	○								
468	Ga415	-702.2	214.5	-	Syenite, fenitised	Msu	94	○								
469	Ga420	-677.6	212.9	-	Beforsite, Phl	Mcbl	93	○								
470	Ga425	-655.1	214.5	-	Beforsite	Mcbl	94	○								
471	Ga500	-630.1	210.5	-	Beforsite	Mcbl	93	○								
472	Ga505	-605.1	214.5	-	Beforsite	Mcbl	94	○								
473	Ga510	-573.0	213.0	-	Beforsite	Mcbl	93	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
474	Ga515	-548.0	213.0	-	Beforsite	Mcb1	94	○								
475	Ga520	-522.7	210.2	-	Beforsite	Mcb1	93	○								
476	Ga525	-498.1	213.0	-	Beforsite	Mcb1	94	○								
477	Ga600	-474.0	210.2	-	Beforsite	Mcb1	93	○								
478	Ga605	-447.8	213.0	-	Beforsite	Mcb1	94	○								
479	Ga610	-422.7	212.5	-	Beforsite	Mcb1	93	○								
480	Ga615	-397.4	213.0	-	Beforsite	Mcb1	94	○								
481	Ga620	-371.8	211.0	-	Sovite, Phl-Px	Mcs	93	○					○			
482	Ga625	-347.5	213.0	-	Syenite, Agt-Ne	Msu	94	○								
483	Ga700	-322.5	213.0	-	Syenite, Ne with Cal matrix	Msu	93	○								
484	Ga710	-297.5	213.0	-	Sovite, Agt-Phl rich	Mcs	93	○					○			
485	Ga720	-272.5	213.0	-	Sovite	Mcs	93	○					○			
486	Gb500	-615.5	239.9	-	Beforsite	Mcb1	94	○	○							
487	Gb505	-590.6	239.9	-	Beforsite	Mcb1	94	○								
488	Gb510	-558.4	239.9	-	Beforsite	Mcb1	94	○								
489	Gb515	-533.4	239.9	-	Beforsite, Gn bearing	Mcb1	94	○	○		○		○			
490	Gb520	-508.5	239.9	-	Beforsite	Mcb1	94	○								
491	Gb525	-483.6	239.9	-	Beforsite	Mcb1	94	○								
492	Gb600	-458.5	239.9	-	Beforsite	Mcb1	94	○	○							
493	Gb605	-433.2	239.9	-	Beforsite	Mcb1	94	○								
494	Gb610	-408.0	239.9	-	Beforsite	Mcb1	94	○								
495	Gc400	-769.5	166.2	-	Beforsite	Mcb1	94	○	○							
496	Gc410	-719.5	166.2	-	Beforsite	Mcb1	94	○								
497	Gc415	-694.7	166.2	-	Beforsite	Mcb1	94	○	○							
498	Gc420	-669.7	166.2	-	Beforsite	Mcb1	94	○								
499	Gc425	-643.8	166.2	-	Beforsite	Mcb1	94	○								
500	Gc500	-619.7	166.2	-	Beforsite	Mcb1	94	○	○							
501	Gc505	-594.6	166.2	-	Beforsite	Mcb1	94	○								
502	Gc510	-569.8	166.2	-	Beforsite	Mcb1	94	○								
503	Gc515	-545.2	166.2	-	Beforsite	Mcb1	94	○	○							
504	Gc520	-519.7	163.2	-	Beforsite	Mcb1	94	○								
505	Gc525	-495.1	166.2	-	Beforsite	Mcb1	94	○								
506	Gc600	-470.0	166.2	-	Beforsite	Mcb1	94	○	○							
507	Gc605	-444.3	166.2	-	Beforsite	Mcb1	94	○								
508	Gc610	-419.6	166.2	-	Beforsite	Mcb1	94	○								
509	Gc615	-385.1	166.2	-	Beforsite	Mcb1	94	○	○							
510	Gc620	-366.6	166.2	-	Beforsite	Mcb1	94	○								
511	Gc625	-342.3	166.2	-	Beforsite	Mcb1	94	○								
512	Gc700	-317.3	166.2	-	Beforsite	Mcb1	94	○	○							
513	Gc705	-292.4	166.2	-	Beforsite	Mcb1	94	○								
514	Gc710	-267.6	166.2	-	Granule conglomerate	Oth	94	○								
515	H 200	-1063.3	278.3	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
516	H 300	-913.3	278.3	-	Sovite, Px-Phl-Ne	Mcs	93	○								
517	H 400	-763.3	278.3	-	Syenite, Ne	Msu	93	○								
518	H 500	-613.3	278.3	-	Sovite, Px-Ne-Phl	Mcs	93	○								
519	H 600	-463.3	278.3	-	Sovite, Phl-Agt	Mcs	93	○								
520	H 700	-313.3	278.3	-	Sovite, Px-Ne-Phl	Mcs	93	○	○	○			○			
521	H 800	-163.3	278.3	-	Px-Fd rock, coarse grained	Msu	93	○								
522	I 100	-1186.8	413.5	-	Gneiss, Qtz-Fd, bre.	Ngn	93	○								
523	I 300	-929.3	413.5	-	Gneiss, Qtz-Fd	Ngn	93	○								
524	I 500	-629.3	413.5	-	Syenite, porphyritic	Msu	93	○	○	○			○			
525	I 600	-496.8	413.5	-	Sovite, banded	Mcs	93	○								
526	I 700	-329.3	413.5	-	Syenite - albitite	Msu	93	○								
527	I 800	-179.3	413.5	-	Syenite, porphyritic	Msr	93	○	○	○			○			
528	I 900	-29.3	413.5	-	Gneiss, Qtz-Fd	Ngn	93	○								
529	Ia710	-266.3	501.4	-	Syenite, Hbl-Ne	Msu	93	○								
530	Ia720	-196.4	501.4	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
531	Ia800	-166.2	501.4	-	Gneiss, Qtz-Fd	Ngn	93	○								
532	Ia810	-116.0	501.4	-	Gneiss, Qtz-Fd	Ngn	93	○								
533	Ia820	-65.6	501.4	-	Gneiss, Qtz-Fd	Ngn	93	○								
534	Ia900	-28.2	508.5	-	Beforsite	Mcb2	93	○								
535	J 400A	-345.6	592.7	-	Iron ore, Mag-Hem	Mcs	93					○	○			
536	J 200	-1025.2	590.2	-	Gneiss, Qtz-Fd	Ngn	93	○								
537	J 400	-726.0	592.5	-	Sovite	Mcs	93	○								
538	J 500	-571.0	593.8	-	Sovite, Hbl	Mcs	93	○								
539	J 600	-426.2	594.7	-	Sovite, Phl	Mcs	93	○								
540	J 700	-270.6	596.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
541	J 710	-224.6	596.4	-	Sovite-beforsite	Mcs	93	○								
542	J 720	-168.4	597.8	-	Gneiss, Qtz-Fd	Ngn	93	○								
543	J 800	-121.5	602.2	-	Gneiss, Qtz-Fd	Ngn	93	○								
544	J 820	-18.9	599.6	-	Granitic rock, leuco-	Mgr	93	○						○		
545	J 900	-26.8	587.6	-	Granitic rock	Mgr	93	○	○	○			○	○		
546	Ja800A	-111.1	658.0	-	Trachyte-dacite, siliceous dyke	Ktd	93			○			○	○		
547	Ja710	-265.2	653.5	-	Gneiss, Qtz-Fd	Ngn	93	○								
548	Ja715	-238.4	653.5	-	Granophyre	Mgr	94	○	○							
549	Ja720	-216.4	653.5	-	Sovite, Phl-Hbl	Mcs	93	○								
550	Ja725	-188.6	653.5	-	Granophyre	Mgr	94	○								
551	Ja800	-165.1	652.0	-	Beforsite	Mcb2	93	○								
552	Ja805	-138.3	653.5	-	Syenite, cut by green network	Msu	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods							
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
553	Ja810	-113.6	653.5	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
554	Ja815	-88.5	653.5	-	Beforsite, Ap	Mcb2	94	○								
555	Ja820	-63.5	653.5	-	Beforsite, Agt-Dol	Mcb2	93	○								
556	Ja825	-39.0	653.5	-	Beforsite, Ap	Mcb2	94	○								
557	Ja900	-14.0	653.5	-	Beforsite, Ank	Mcb2	93	○								
558	Ja905	10.6	653.5	-	Beforsite, Ap	Mcb2	94	○								
559	Jb720	-215.1	686.8	-	Sovite, Ap-Agt	Mcs	94	○								
560	Jb725	-190.5	686.8	-	Beforsite, Ap	Mcb2	94	○								
561	Jb800	-165.9	686.8	-	Beforsite, Agt	Mcb2	94	○	○							
562	Jb805	-141.3	686.8	-	Beforsite, Ap	Mcb2	94	⊙								
563	Jb810	-115.9	686.8	-	Beforsite, Ap	Mcb2	94	○								
564	Jb815	-90.8	686.8	-	Beforsite	Mcb2	94	○	○							
565	Jb820	-65.4	686.8	-	Beforsite	Mcb2	94	○								
566	Jb825	-40.8	686.8	-	Quartzite	Nsh	94	○								
567	Jb900	-16.0	686.8	-	Beforsite	Mcb2	94	○								
568	Jb910	33.5	686.8	-	Beforsite, Ap	Mcb2	94	○								
569	K 400A	-612.8	876.5	-	Sovite, Bt	Mcs	93	○	○	○			○			
570	K 800A	-23.0	722.1	-	Andesite-Fine granophyre?	Ktd	93			○			○			
571	K 800B	-55.0	719.9	-	Dolerite	Kdd	93			○			○			
572	K 100	-1172.8	727.6	-	Gneiss, Qtz-Fd	Ngn	93	○								
573	K 200	-1023.5	728.3	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
574	K 300	-874.5	697.8	-	Sovite, Phl	Mcs	93	○								
575	K 500	-598.2	725.6	-	Syenite, Agt-Phl-Ne	Msu	93	○	○	○			○			
576	K 600	-454.8	724.3	-	Sovite, Agt?	Mcs	93	○								
577	K 700	-287.9	724.1	-	Sovite-beforsite	Mcs	93	○								
578	K 710	-261.0	724.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
579	K 720	-205.7	723.8	-	Gneiss, Qtz-Fd	Ngn	93	○								
580	K 725	-182.7	719.4	-	Gneiss, Qtz-Fd, fenitised	Ngn	94	○								
581	K 800	-156.3	721.2	-	Beforsite, Ap	Mcb2	93	○								
582	K 805	-131.3	719.4	-	Beforsite, Ap	Mcb2	94	○								
583	K 810	-100.0	720.3	-	Beforsite, Dol	Mcb2	93	○								
584	K 815	-74.1	716.4	-	Beforsite	Mcb2	94	○								
585	K 820	-50.5	719.8	-	Beforsite, Dol	Mcb2	93	○								
586	K 825	-24.5	719.4	-	Trachyte	Ktd	94	○	○							
587	K 900	0.0	719.4	-	Beforsite,cut by Carbonate vein	Mcb2	93	○	○	○			○			
588	Ka600A	-394.0	831.1	-	Syenite, Px	Msu	93					○				
589	Ka110	-1133.8	807.5	-	Syenite-albitite, bre.	Msw	93	○								
590	Ka120	-1083.8	807.5	-	Syenite-albitite, bre.	Msw	93	○								
591	Ka200	-1033.8	807.5	-	Syenite, porphyritic	Msp	93	○								
592	Ka210	-991.8	807.5	-	Syenite, porphyritic	Msp	93	○								
593	Ka220	-938.8	817.5	-	Syenite, porphyritic	Msw	93	○								
594	Ka610	-394.0	806.7	-	Syenite, Phl-Px	Msu	93	○								
595	Ka620	-341.4	806.7	-	Sovite, Phl-Px	Mcs	93	○								
596	Ka700	-290.7	806.7	-	Sovite, Phl, banded	Mcs	93	○								
597	Ka710	-240.8	806.6	-	Beforsite-sovite(?), Phl	Mcb2	93	○								
598	Ka715	-221.9	803.3	-	Fenite, gneiss origin?	Mfn	94	○								
599	Ka720	-190.4	806.6	-	Beforsite, Phl-Ap-Dol	Mcb2	93	○								
600	Ka725	-171.3	803.3	-	Beforsite	Mcb2	94	○								
601	Ka800	-140.6	806.5	-	Beforsite, Ap-Dol	Mcb2	93	○								
602	Ka805	-121.7	803.3	-	Beforsite	Mcb2	94	○								
603	Ka810	-96.8	803.3	-	Beforsite, Cal bearing Phl	Mcb2	93	○								
604	Ka815	-74.9	797.3	-	Beforsite, Ap	Mcb2	94	○								
605	Ka820	-50.0	797.3	-	Beforsite, Phl	Mcb2	93	○								
606	Ka825	-25.2	797.3	-	Beforsite, Ap	Mcb2	94	○								
607	Ka900	1.2	797.3	-	Beforsite	Mcb2	93	○				○	○			
608	Kb610	-391.0	837.8	-	Syenite, Agt	Msu	94	○								
609	Kb620	-338.3	836.8	-	Beforsite, Cal bearing	Mcb2	94	○	○							
610	Kb700	-290.3	837.8	-	Shale, black hard	Nsh	94	○								
611	Kb710	-237.5	834.8	-	Fenite, gneiss origin?	Mfn	94	○								
612	Kb715	-212.5	835.8	-	Beforsite	Mcb2	94	○	○							
613	Kb720	-189.6	837.8	-	Beforsite	Mcb2	94	○								
614	Kb725	-161.4	840.8	-	Beforsite	Mcb2	94	○								
615	Kb800	-139.6	837.8	-	Beforsite	Mcb2	94	○								
616	Kb805	-115.1	837.8	-	Beforsite	Mcb2	94	○								
617	Kb810	-93.0	834.8	-	Beforsite	Mcb2	94	○								
618	Kb815	-65.6	837.8	-	Beforsite	Mcb2	94	○	○							
619	Kb820	-40.7	836.8	-	Beforsite	Mcb2	94	○								
620	Kc720	-208.7	763.1	-	Beforsite	Mcb2	94	○								
621	Kc725	-180.5	763.1	-	Beforsite	Mcb2	94	○							○	
622	Kc800	-157.8	765.1	-	Beforsite	Mcb2	94	○	○							
623	Kc805	-130.6	762.1	-	Beforsite	Mcb2	94	○								
624	Kc810	-105.8	762.6	-	Beforsite	Mcb2	94	○								
625	Kc815	-80.1	762.1	-	Beforsite	Mcb2	94	○	○							
626	Kc820	-55.4	765.1	-	Beforsite	Mcb2	94	○								
627	Kc825	-31.4	762.1	-	Beforsite	Mcb2	94	○								
628	Kc900	-5.5	762.1	-	Beforsite	Mcb2	94	○								
629	L 800A	-146.2	874.6	-	Hbl, green network	Nsh	93						○			
630	L 100	-1179.5	884.2	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○								
631	L 110	-1129.5	884.2	-	Syenite, porphyritic	Msw	93	○	○	○			○			

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
632	L 120	-1079.5	884.2	-	Syenite, porphyritic	Msw	93	○								
633	L 200	-1029.5	884.2	-	Syenite, porphyritic	Msp	93	○					○			
634	L 210	-979.5	884.2	-	Syenite, porphyritic	Msp	93	○								
635	L 220	-922.5	876.5	-	Syenite - albitite	Msp	93	○								
636	L 600	-419.4	883.1	-	Sovite, Px	Mcs	93	○								
637	L 610	-386.7	883.0	-	Syenite ?	Msu	93	○								
638	L 615	-368.0	874.6	-	Sovite	Mcs	94	○								
639	L 620	-345.2	890.0	-	Beforsite-sovite	Mcb2	93	○					○			
640	L 625	-314.7	874.6	-	Dolerite	Kdd	94	○	○							
641	L 700	-290.7	875.0	-	Gneiss, Qtz-Fd	Ngn	93	○								
642	L 705	-267.7	874.6	-	Beforsite/sovite	Mcb2	94	○								
643	L 710	-241.8	869.9	-	Beforsite	Mcb2	93	○								
644	L 715	-222.7	874.6	-	Beforsite, Ap	Mcb2	94	○							○	
645	L 720	-193.6	874.8	-	Beforsite	Mcb2	93	○								
646	L 725	-173.3	874.6	-	Beforsite	Mcb2	94	○								
647	L 800	-147.9	874.6	-	Beforsite	Mcb2	93	○	○	○			○			
648	L 805	-122.9	874.5	-	Beforsite	Mcb2	94	○								
649	L 810	-98.1	874.5	-	Beforsite	Mcb2	93	○								
650	L 820	-48.2	874.5	-	Beforsite, Dol	Mcb2	93	○								
651	L 900	-0.1	874.5	-	Shale, black hard	Nsh	93	○				○				
652	La200A	-1006.8	965.5	-	Beforsite/sovite	Mcd	94								○	
653	La120	-1083.8	951.5	-	Syenite, porphyritic	Msp	93	○								
654	La200	-1033.8	951.5	-	Syenite, porphyritic	Msp	93	○	○	○		○	○			
655	La210	-983.8	951.5	-	Syenite, porphyritic	Msp	93	○								
656	La220	-933.8	951.5	-	Sovite	Mcs	93	○								
657	La610	-390.0	950.0	-	Sovite-beforsite, Px-Phl	Mcs	93	○								
658	La615	-368.8	950.1	-	Beforsite	Mcb2	94	○								
659	La620	-343.6	950.2	-	Sovite-beforsite, Px-Phl	Mcs	93	○					○			
660	La625	-317.4	950.2	-	Beforsite	Mcb2	94	○								
661	La700	-291.1	950.2	-	Beforsite, Ap	Mcb2	93	○								
662	La710	-243.4	953.3	-	Beforsite	Mcb2	93	○								
663	La715	-219.3	950.3	-	Beforsite	Mcb2	94	○								
664	La720	-195.2	950.3	-	Beforsite	Mcb2	93	○								
665	La725	-170.4	950.3	-	Beforsite	Mcb2	94	○								
666	La800	-145.5	950.4	-	Beforsite, Ap	Mcb2	93	○								
667	La805	-121.0	950.4	-	Beforsite	Mcb2	94	○								
668	La810	-96.4	950.4	-	Quartzite, bre.	Nsh	93	○								
669	La900	2.4	950.4	-	Shale, black hard	Nsh	93	○								
670	Lb605	-419.5	992.0	-	Beforsite	Mcb2	94	○	○							
671	Lb610	-394.5	997.0	-	Beforsite	Mcb2	94	○								
672	Lb615	-371.2	993.5	-	Beforsite	Mcb2	94	○	○							
673	Lb620	-344.9	992.0	-	Beforsite	Mcb2	94	○								
674	Lb625	-319.3	992.0	-	Beforsite, Ap-Agt	Mcb2	94	○			○		○	○		
675	Lb700	-291.3	993.0	-	Beforsite	Mcb2	94	○	○							
676	Lb705	-269.6	992.0	-	Beforsite	Mcb2	94	○								
677	Lb710	-244.6	997.0	-	Beforsite	Mcb2	94	○								
678	Lb715	-217.0	994.0	-	Beforsite	Mcb2	94	○	○							
679	Lb720	-194.5	994.0	-	Beforsite	Mcb2	94	○								
680	Lb725	-168.7	992.0	-	Beforsite	Mcb2	94	○								
681	Lb800	-144.8	992.0	-	Beforsite	Mcb2	94	○	○							
682	Lb805	-120.1	990.0	-	Beforsite	Mcb2	94	○								
683	Lc610	-394.5	912.5	-	Sovite	Mcs	94	○								
684	Lc615	-369.5	912.5	-	Sovite	Mcs	94	○	○							
685	Lc620	-344.5	912.5	-	Beforsite	Mcb2	94	○								
686	Lc625	-319.5	912.5	-	Beforsite	Mcb2	94	○			○		○	○		
687	Lc700	-294.5	912.5	-	Beforsite	Mcb2	94	○	○							
688	Lc705	-269.5	912.5	-	Beforsite	Mcb2	94	○								
689	Lc710	-244.5	912.5	-	Beforsite	Mcb2	94	○								
690	Lc715	-219.5	912.5	-	Beforsite	Mcb2	94	○	○							
691	Lc720	-194.5	912.5	-	Beforsite	Mcb2	94	○								
692	Lc725	-169.5	912.5	-	Beforsite	Mcb2	94	○								
693	Lc800	-144.5	912.5	-	Beforsite	Mcb2	94	○	○							
694	Lc805	-119.5	912.5	-	Beforsite	Mcb2	94	○								
695	M 100	-1179.8	1026.5	-	Syenite-albitite, bre.	Msw	93	○								
696	M 110	-1133.8	1026.5	-	Syenite-albitite, bre.	Msw	93	○								
697	M 120	-1083.8	1026.5	-	Syenite, porphyritic, bre.	Msw	93	○								
698	M 200	-1033.8	1026.5	-	Syenite	Msp	93	○								
699	M 210	-983.8	1026.5	-	Syenite	Msp	93	○					○			
700	M 220	-933.8	1026.5	-	Sovite, Hbl	Mcd	93	○	○	○			○			
701	M 300	-883.8	1027.4	-	Sovite	Mcs	93	○								
702	M 400	-732.4	1031.7	-	Sovite-beforsite, Px-Phl	Mcs	93	○								
703	M 500	-579.4	1027.9	-	Sovite	Mcs	93	○								
704	M 600	-422.3	1028.2	-	Sovite	Mcs	93	○								
705	M 605	-402.0	1028.2	-	Beforsite	Mcb2	94	○								
706	M 610	-375.8	1028.3	-	Beforsite	Mcb2	93	○								
707	M 615	-350.8	1038.2	-	Beforsite	Mcb2	94	○								
708	M 620	-325.9	1028.5	-	Beforsite, Ap-Ank	Mcb2	93	○								
709	M 625	-305.3	1028.2	-	Beforsite	Mcb2	94	○								
710	M 700	-288.2	1028.6	-	Beforsite, Hbl	Mcb2	93	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Year	Analytical methods REE	WR	TS	PS	PO	XR	EA	IA	PA
711	M 705	-261.9	1028.9	-	Beforsite	Mcb2	94	○								
712	M 710	-239.2	1028.7	-	Beforsite, Phl-Ank	Mcb2	93	○	○	○			○			
713	M 715	-213.7	1027.9	-	Beforsite	Mcb2	94	○								
714	M 720	-194.5	1028.9	-	Beforsite, Ank	Mcb2	93	○								
715	M 725	-174.6	1028.9	-	Beforsite	Mcb2	94	○								
716	M 800	-159.5	1028.9	-	Beforsite	Mcb2	93	○								
717	M 805	-130.0	1028.9	-	Beforsite, Cal bearing	Mcb2	94	○								
718	M 810	-98.0	1028.9	-	Shale, black hard	Nsh	93	○								
719	M 900	3.2	1028.9	-	Quartzite-grit	Nsh	93	○								
720	Ma600A	-415.9	1110.5	-	Apatite ?	Mcb2	93						○			
721	Ma120	-1075.8	1101.5	-	Syenite, porphyritic	Msw	93	○								
722	Ma200	-1033.8	1101.5	-	Syenite, porphyritic	Msp	93	○								
723	Ma210	-983.8	1101.5	-	Syenite, porphyritic	Msp	93	○								
724	Ma220	-933.8	1101.5	-	Syenite, porphyritic	Msp	93	○								
725	Ma225	-908.0	1101.5	-	Sovite	Mcs	94								○	
726	Ma510	-544.3	1111.1	-	Sovite	Mcs	93	○					○			
727	Ma520	-493.2	1110.9	-	Sovite, Hbl	Mcs	93	○								
728	Ma525	-457.6	1109.6	-	Beforsite, Cal bearing	Mcb2	94	○								
729	Ma600	-433.9	1110.6	-	Beforsite, Cal bearing	Mcb2	93	○								
730	Ma605	-408.3	1109.6	-	Beforsite	Mcb2	94	○								
731	Ma610	-384.2	1110.3	-	Beforsite, Cal bearing	Mcb2	93	○								
732	Ma615	-357.7	1109.6	-	Beforsite	Mcb2	94	○								
733	Ma620	-333.4	1110.1	-	Beforsite, Dol	Mcb2	93	○								
734	Ma625	-309.2	1109.6	-	Beforsite	Mcb2	94	○								
735	Ma700	-282.2	1109.6	-	Beforsite, Dol-Ank	Mcb2	93	○								
736	Ma710	-252.2	1112.8	-	Beforsite-sovite, Dol	Mcb2	93	○					○			
737	Ma715	-216.4	1112.8	-	Beforsite, Ap-Cal bearing	Mcb2	94	○								
738	Ma720	-195.6	1112.8	-	Shale, silliceous-calcareous	Nsh	93	○								
739	Ma800	-147.0	1112.8	-	Gneiss, Qtz-Fd	Ngn	93	○								
740	Ma820	-47.5	1112.8	-	Quartzite-chert	Nsh	93	○								
741	Mb525	-475.4	1148.4	-	Beforsite	Mcb2	94	○								
742	Mb600	-450.4	1148.4	-	Beforsite	Mcb2	94	○	○							
743	Mb605	-425.4	1148.4	-	Beforsite	Mcb2	94	○								
744	Mb610	-400.4	1148.4	-	Beforsite, Ap?	Mcb2	94	○								
745	Mb615	-375.4	1148.4	-	Beforsite	Mcb2	94	○	○							
746	Mb620	-350.4	1148.4	-	Beforsite	Mcb2	94	○								
747	Mb625	-325.4	1148.4	-	Beforsite	Mcb2	94	○								
748	Mb700	-300.4	1148.4	-	Beforsite	Mcb2	94	○	○							
749	Mb705	-275.4	1148.4	-	Beforsite	Mcb2	94	○								
750	Mc525	-505.5	1069.3	-	Sovite	Mcs	94	○								
751	Mc600	-480.5	1069.3	-	Beforsite	Mcb2	94	○	○							
752	Mc605	-455.5	1069.3	-	Beforsite/sovite	Mcb2	94	○								
753	Mc610	-430.5	1069.3	-	Beforsite	Mcb2	94	○								
754	Mc615	-405.5	1069.3	-	Beforsite	Mcb2	94	○	○							
755	Mc620	-380.5	1069.3	-	Beforsite	Mcb2	94	○								
756	Mc625	-355.5	1069.3	-	Beforsite	Mcb2	94	○								
757	Mc700	-330.5	1069.3	-	Beforsite	Mcb2	94	○	○							
758	Mc705	-305.5	1069.3	-	Beforsite	Mcb2	94	○								
759	Mc710	-280.5	1069.3	-	Beforsite	Mcb2	94	○								
760	Mc715	-255.5	1069.3	-	Beforsite	Mcb2	94	○	○							
761	Mc720	-230.5	1069.3	-	Beforsite	Mcb2	94	○								
762	Mc725	-205.5	1069.3	-	Beforsite	Mcb2	94	○								
763	Mc800	-180.5	1069.3	-	Beforsite	Mcb2	94	○	○							
764	Mc805	-155.5	1069.3	-	Sovite	Mcs	94	○								
765	N 10-1	-1184.5	1186.5	-	An-Ca network	Mcd	93						○			
766	N 190A	-1184.5	1246.5	-	Hbl, greenish	Msw	93						○			
767	N 820A	-884.6	1190.6	-	Sovite	Mcs	93					○				
768	N 100	-1184.5	1186.5	-	Syenite/gneiss, bre.	Ngn	93						○			
769	N 110	-1159.5	1186.5	-	Syenite, Ne?	Msp	93			○			○			
770	N 120	-1109.8	1186.5	-	Syenite, leuco-	Msw	93					○				
771	N 200	-1059.1	1186.5	-	Syenite, porphyritic	Msw	93	○								
772	N 210	-1007.5	1186.5	-	Syenite	Msp	93	○								
773	N 220	-959.4	1186.5	-	Syenite	Msp	93	○	○	○		○	○			
774	N 400	-756.6	1185.5	-	Sovite, Hbl	Mcs	93	○					○			
775	N 520	-500.6	1183.1	-	Beforsite, Dol	Mcb2	93			○			○			
776	N 525	-475.4	1182.9	-	Beforsite, Py bearing	Mcb2	94	○								
777	N 600	-450.1	1182.6	-	Beforsite, Dol	Mcb2	93,94	○								
778	N 605	-426.2	1182.4	-	Beforsite	Mcb2	94	○								
779	N 610	-410.2	1185.1	-	Beforsite	Mcb2	93	○								
780	N 615	-377.2	1181.6	-	Beforsite	Mcb2	94	○								
781	N 620	-352.1	1181.1	-	Beforsite	Mcb2	93,94	○								
782	N 625	-327.1	1180.9	-	Beforsite	Mcb2	94	○								
783	N 700	-302.1	1180.6	-	Beforsite	Mcb2	93	○		○			○			
784	N 705	-274.7	1183.6	-	Syenite, bre., carbonatised	Msu	94	○								
785	N 710	-284.7	1183.6	-	Syenite, bre., carbonatised	Msu	94	○								
786	N 720	-204.3	1187.6	-	Beforsite, Phl	Mcb2	93	○					○			
787	N 800	-147.4	1189.8	-	Sovite-beforsite	Mcs	93			○		○	○			
788	N 820	-47.5	1187.8	-	Bre. rock with Cal network	Nsh	93	○					○			
789	N 900	4.5	1187.8	-	Gneiss, Qtz-Fd	Ngn	93	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
790	Na 20A	-1038.1	1261.2	-	Feldspar, mega-crystal	Msw	93						○			
791	Na110	-1141.9	1261.2	-	Syenite, leuco-	Msw	93	○								
792	Na120	-1087.9	1261.2	-	Syenite, with Fd mega-crystal	Msw	93	○		○		○	○			
793	Na200	-1038.1	1261.2	-	Syenite, Hbl	Msw	93	○								
794	Na210	-988.0	1261.2	-	Syenite cut by Cal network	Msw	93	○								
795	Na220	-936.4	1261.2	-	Syenite, Bt-(Ne?)	Msp	93	○								
796	Na510	-544.3	1261.2	-	Syenite ?	Msw	93	○					○			
797	Na520	-492.0	1261.7	-	Beforsite, Cal bearing	Mcb2	93	○					○			
798	Na600	-437.9	1262.2	-	Bre. rock cut by Cal veins	Msw	93	○								
799	Na610	-386.5	1262.7	-	Beforsite cut by Ank network	Mcb2	93	○								
800	Na620	-335.5	1263.0	-	Syenite, leuco-	Msw	93	○								
801	Na700	-302.6	1263.2	-	Syenite, porphyritic	Msw	93	○	○	○			○			
802	Na710	-252.7	1268.5	-	Green Hbl-Agt rock	Nsh	93	○								
803	Na720	-202.7	1263.7	-	Syenite,leuco-,cut by Ank vien	Nsh	93	○								
804	Na800	-148.6	1264.3	-	Hbl-Agt rock cut by An network	Nsh	93	○					○			
805	Na820	-47.5	1265.0	-	Hbl-Agt rock cut by An network	Ngn	93	○								
806	Nc520	-492.0	1224.4	-	Beforsite, Cal bearing	Mcb2	94	○								
807	Nc600	-437.9	1224.4	-	Beforsite, Cal bearing	Mcb2	94	○	○		○		○			
808	Nc610	-386.5	1224.4	-	Syenite	Msu	94	○								
809	Nc620	-335.5	1224.4	-	Beforsite, Cal bearing Bt	Mcb2	94	○	○							
810	Nc700	-302.6	1224.4	-	Syenite	Msu	94	○								
811	O 400A	-675.4	1320.2	-	Syenite, Agt	Msw	93			○			○			
812	O 100	-1184.5	1337.6	-	Syenite, Ne porphyritic	Msw	93	○								
813	O 200	-1038.1	1337.6	-	Syenite, Ne porphyritic	Msw	93	○								
814	O 300	-907.6	1336.7	-	Syenite, Ne?-Bt-Aug	Msw	93	○		○			○			
815	O 400	-735.4	1320.3	-	Syenite, Bt, porphyritic	Msw	93	○		○			○			
816	O 500	-571.6	1319.9	-	Syenite, leuco-	Msw	93	○								
817	O 600	-417.5	1319.7	-	Syenite, leuco-	Msw	93	○	○	○			○			
818	O 610	-366.3	1319.6	-	Hbl-Agt rock cut by An network	Ngn	93	○					○			
819	O 620	-335.5	1335.0	-	Beforsite cut by Ank veins	Mcb2	93	○								
820	O 700	-285.4	1334.9	-	Gneiss, Qtz-Fd	Ngn	93	○								
821	O 800	-129.0	1334.6	-	Gneiss, Qtz-(Fd)	Ngn	93	○								
822	P 600A	-921.2	1477.7	-	Beforsite, Ank	Mcd	93						○			
823	P 100	-1184.5	1486.8	-	Syenite, Ne	Msw	93	○	○	○			○			
824	P 200	-1061.1	1486.3	-	Syenite,leuco-,cut by Cal veins	Msw	93	○					○			
825	P 400	-735.4	1476.4	-	Gneiss, cut by brown Cal veins	Ngn	93	○								
826	P 600	-438.9	1477.2	-	Gneiss, Qtz-Fd,cut by Cal veins	Ngn	93	○								
827	P 800	-129.0	1478.2	-	Gneiss, Bt-Qtz-Fd	Ngn	93	○								
828	T 1A	-172.5	-605.0	-	Beforsite, Ank	Mcd	93,94	○			○		○	○	○	
829	T 2A	-377.5	-458.0	-	Sovite	Mcs	93	○					○			
830	T 4A	-587.5	-180.0	-	Beforsite, Ank	Mcb1	93	○					○			
831	T 5A	-525.7	-92.2	-	Beforsite, Ank	Mcb1	93	○	○				○			
832	T 6A	-765.8	835.5	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○					○			
833	T 7A	-1044.8	943.5	-	Syenite, Ne, porphyritic	Msp	93	○	○				○			
834	T 8A	-1016.8	972.5	-	Beforsite, Ank	Mcd	93	○					○			
835	T 9A	-693.8	959.7	-	Sovite, Hbl	Mcs	93,94	○	○				○		○	
836	T 10A	-89.0	-697.5	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○					○			
837	T 11A	-369.3	311.3	-	Syenite	Msu	93	○	○				○			
838	T 12A	-203.3	548.4	-	Gneiss, Qtz-Fd, fenitised	Ngn	93	○					○			
839	T 13A	-218.3	521.4	-	Sovite-beforsite	Mcs	93	○	○				○			
	MJNO－1															
840	1- 0	-	-	0.0	Beforsite, weathered	Mcb1	94	○								
841	1- 5	-	-	5.0	Beforsite, weathered	Mcb1	94	○								
842	1- 10	-	-	10.0	Beforsite	Mcb1	94	○								
843	1- 15	-	-	15.0	Beforsite	Mcb1	94	○								
844	1- 20	-	-	20.0	Beforsite	Mcb1	94	○	○							
845	1- 25 1T- 1	-	-	25.0	Beforsite	Mcb1	94	○			○					
846	1X- 1	-	-	26.0	Beforsite	Mcb1	94						○			
847	1- 30	-	-	30.0	Beforsite	Mcb1	94	○	○							
848	1- 35	-	-	35.0	Beforsite, weathered	Mcb1	94	○								
849	1- 40	-	-	40.0	Beforsite	Mcb1	94	○								
850	1- 45 1R- 1	-	-	45.0	Beforsite	Mcb1	94	○	○						○	
851	1- 50	-	-	50.0	Beforsite	Mcb1	94	○								
852	1- 55	-	-	55.0	Arkose, Bre. & carbonated	Nsh	94	○								
853	1- 60 1X- 2	-	-	60.0	Arkose, Bre., cut by beforsite	Nsh	94	○	○				○			
854	1- 65	-	-	65.0	Arkose, Bre. & carbonated	Nsh	94	○								
855	1- 70	-	-	70.0	Arkose, Bre. & carbonated	Nsh	94	○								
856	1- 75	-	-	75.0	Arkose, Bre. & carbonated	Nsh	94	○								
857	1- 80	-	-	80.0	Arkose, Bre. & carbonated	Nsh	94	○								
858	1T- 3	-	-	85.0	Beforsite, Py bearing	Mcb1	94				○					
859	1-110	-	-	110.0	Syenite, carbonated	Msu	94	○								
860	1-115	-	-	115.0	Syenite, carbonated	Msu	94	○								
861	1-117	-	-	117.3	Syenite, carbonated	Msu	94	○								
862	1-120	-	-	120.0	Syenite, carbonated	Msu	94	○	○							
863	1-122	-	-	122.3	Syenite, carbonated	Msu	94	○								
864	1-125	-	-	125.0	Syenite, carbonated	Msu	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	RBE	WR	TS	PS	PO	XR	EA	IA	PA
865	1X- 3	-	-	126.0	Syenite, carbonated	Msu	94						○			
866	1-130	-	-	130.0	Syenite, carbonated	Msu	94	○	○							
867	1T- 4	-	-	131.5	Syenite, carbonated	Msu	94				○					
868	1-132	-	-	132.3	Syenite, carbonated	Msu	94	○								
869	1-135	-	-	135.0	Syenite, carbonated	Msu	94	○								
870	1-137	-	-	137.3	Syenite, carbonated	Msu	94	○								
871	1-140	-	-	140.0	Syenite, carbonated	Msu	94	○	○							
872	1-145	-	-	145.0	Syenite, carbonated	Msu	94	○								
873	1-147	-	-	147.3	Syenite, carbonated	Msu	94	○								
874	1T- 5 1X- 4	-	-	148.4	Syenite, carbonated	Msu	94				○		○			
875	1-150	-	-	150.0	Syenite, carbonated	Msu	94	○	○							
	MJNO－2															
876	2- 0	-	-	0.0	Beforsite, An	Mcbl	94	○								
877	2- 5	-	-	5.0	Beforsite, An	Mcbl	94	○								
878	2- 10	-	-	10.0	Beforsite, An	Mcbl	94	○								
879	2- 15 2T- 1	-	-	15.0	Beforsite, An	Mcbl	94	○			○					
880	2- 17	-	-	17.3	Beforsite, An	Mcbl	94	○								
881	2- 20	-	-	20.0	Beforsite, An	Mcbl	94	○	○							
882	2- 22	-	-	22.3	Beforsite, An	Mcbl	94	○								
883	2- 25	-	-	25.0	Beforsite, An	Mcbl	94	○								
884	2- 27	-	-	27.3	Beforsite, An	Mcbl	94	○								
885	2- 30	-	-	30.0	Beforsite, An	Mcbl	94	○	○							
886	2X- 1	-	-	32.2	Beforsite	Mcbl	94						○			
887	2- 32	-	-	32.3	Beforsite, weathered	Mcbl	94	○								
888	2- 35	-	-	35.0	Beforsite, weathered	Mcbl	94	○								
889	2- 37	-	-	37.3	Beforsite, weathered	Mcbl	94	○								
890	2- 40	-	-	40.0	Beforsite, weathered	Mcbl	94	○	○							
891	2- 42	-	-	42.3	Beforsite, weathered	Mcbl	94	○								
892	2- 45	-	-	45.0	Beforsite, weathered	Mcbl	94	○								
893	2- 47	-	-	47.3	Beforsite, weathered	Mcbl	94	○								
894	2- 50	-	-	50.0	Beforsite, weathered	Mcbl	94	○	○							
895	2- 55	-	-	55.0	Beforsite, weathered	Mcbl	94	○								
896	2- 60	-	-	60.0	Beforsite, weathered	Mcbl	94	○	○							
897	2- 65	-	-	65.0	Beforsite, weathered	Mcbl	94	○	○							
898	2- 67	-	-	67.0	Beforsite, weathered	Mcbl	94	○								
899	2- 70	-	-	70.0	Beforsite, weathered	Mcbl	94	○	○							
900	2- 72	-	-	72.3	Beforsite, An	Mcbl	94	○								
901	2- 75 2T- 2	-	-	75.0	Beforsite, An	Mcbl	94	○	○		○					
902	2- 77	-	-	77.3	Beforsite, fractured	Mcbl	94	○								
903	2- 80	-	-	80.0	Beforsite, fractured	Mcbl	94	○								
904	2- 95	-	-	95.0	Beforsite, fractured	Mcbl	94	○								
905	2-109	-	-	109.0	Beforsite, fractured	Mcbl	94	○								
906	2X- 2	-	-	118.0	Beforsite	Mcbl	94						○			
907	2-122	-	-	122.0	Beforsite, fractured	Mcbl	94	○								
908	2X- 3	-	-	127.0	Beforsite	Mcbl	94						○			
909	2-135 2X- 4	-	-	135.0	Beforsite, fractured	Mcbl	94	○					○			
	MJNO－3															
910	3- 0	-	-	0.0	Beforsite, weathered	Mcbl	94	○								
911	3- 5	-	-	5.0	Beforsite, An	Mcbl	94	○								
912	3X- 1	-	-	5.7	Beforsite	Mcbl	94						○			
913	3- 10	-	-	10.0	Beforsite, sulfide rich	Mcbl	94	○								
914	3- 15	-	-	15.0	Beforsite, sulfide rich	Mcbl	94	○								
915	3- 20	-	-	20.0	Beforsite, sulfide rich	Mcbl	94	○	○							
916	3R- 1 3X- 2	-	-	23.2	Beforsite, sulfide rich	Mcbl	94						○		○	
917	3T- 1	-	-	23.4	Beforsite, sulfide rich	Mcbl	94				○					
918	3- 25	-	-	25.0	Beforsite, weathered	Mcbl	94	○								
919	3- 30	-	-	30.0	Beforsite, sulfide rich	Mcbl	94	○	○							
920	3- 35	-	-	35.0	Beforsite, weathered	Mcbl	94	○								
921	3- 40	-	-	40.0	Beforsite, weathered	Mcbl	94	○	○							
922	3- 45	-	-	45.0	Beforsite, weathered	Mcbl	94	○								
923	3- 50	-	-	50.0	Beforsite, sulfide rich	Mcbl	94	○								
924	3R- 2	-	-	53.7	Beforsite, weathered	Mcbl	94								○	
925	3- 55	-	-	55.0	Beforsite, sulfide rich	Mcbl	94	○								
926	3- 60	-	-	60.0	Beforsite, weathered	Mcbl	94	○	○							
927	3T- 2	-	-	61.1	Beforsite, sulfide rich	Mcbl	94				○					
928	3- 65	-	-	65.0	Beforsite, weathered	Mcbl	94	○								
929	3- 70	-	-	70.0	Beforsite, sulfide rich	Mcbl	94	○								
930	3- 75	-	-	75.0	Beforsite, sulfide rich	Mcbl	94	○								
931	3T- 4	-	-	77.0	Beforsite, sulfide rich	Mcbl	94				○			○		
932	3- 80	-	-	80.0	Beforsite, sulfide rich	Mcbl	94	○	○							
933	3- 85	-	-	85.0	Beforsite, weathered	Mcbl	94	○								
934	3R- 3	-	-	89.1	Beforsite, sulfide rich	Mcbl	94								○	
935	3- 90	-	-	90.0	Beforsite, weathered	Mcbl	94	○								
936	3- 95	-	-	95.0	Beforsite, weathered	Mcbl	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
937	3-100	-	-	100.0	Beforsite, Fe oxide rich	Mcbl	94	○	○							
938	3-105	-	-	105.0	Beforsite, Fe oxide rich	Mcbl	94	○								
939	3-110	-	-	110.0	Beforsite, An	Mcbl	94	○								
940	3-115	-	-	115.0	Beforsite, weathered	Mcbl	94	○								
941	3-120	-	-	120.0	Beforsite, weathered	Mcbl	94	○	○							
942	3-125	-	-	125.0	Beforsite, sulfide rich	Mcbl	94	○								
943	3-130	-	-	130.0	Beforsite, sulfide rich	Mcbl	94	○								
944	3-135	-	-	135.0	Beforsite, sulfide rich	Mcbl	94	○								
945	3X- 3	-	-	135.0	Beforsite, sulfide rich	Mcbl	94						○			
946	3-140	-	-	140.0	Beforsite, sulfide rich	Mcbl	94	○	○							
947	3-145	-	-	145.0	Beforsite, sulfide rich	Mcbl	94	○								
948	3T- 5	-	-	146.7	Beforsite, sulfide rich	Mcbl	94				○					
949	3-150	-	-	150.0	Beforsite, sulfide rich	Mcbl	94	○								
	MJNO－4															
950	4- 0	-	-	0.0	Beforsite, weathered	Mcbl	94	○								
951	4- 5	-	-	5.0	Beforsite, weathered	Mcbl	94	○								
952	4- 10	-	-	10.0	Beforsite, weathered	Mcbl	94	○								
953	4- 15	-	-	15.0	Beforsite, sulfide rich	Mcbl	94	○								
	4T- 4										○					
954	4- 20	-	-	20.0	Beforsite, sulfide rich	Mcbl	94	○	○							
955	4T- 1	-	-	20.6	Beforsite, Fe oxide-rich	Mcbl	94				○					
	4X- 1												○			
956	4- 25	-	-	25.0	Beforsite, Fe oxide rich	Mcbl	94	○								
957	4- 30	-	-	30.0	Beforsite, Fe oxide rich	Mcbl	94	○	○							
958	4T- 2	-	-	30.0	Beforsite, Fe oxide-rich	Mcbl	94				○					
959	4- 35	-	-	35.0	Beforsite, sulfide rich	Mcbl	94	○								
	4R- 1														○	
960	4- 40	-	-	40.0	Beforsite, Fe oxide rich	Mcbl	94	○	○							
961	4- 45	-	-	45.0	Beforsite, weathered	Mcbl	94	○								
962	4- 50	-	-	50.0	Beforsite, weathered	Mcbl	94	○								
963	4- 55	-	-	55.0	Beforsite, weathered	Mcbl	94	○								
964	4- 60	-	-	60.0	Beforsite, weathered	Mcbl	94	○	○							
965	4- 65	-	-	65.0	Beforsite	Mcbl	94	○								
966	4- 70	-	-	70.0	Beforsite	Mcbl	94	○								
967	4- 75	-	-	75.0	Beforsite, weathered	Mcbl	94	○								
968	4- 80	-	-	80.0	Beforsite	Mcbl	94	○	○							
969	4- 85	-	-	85.0	Beforsite	Mcbl	94	○								
970	4- 90	-	-	90.0	Beforsite	Mcbl	94	○								
971	4- 95	-	-	95.0	Beforsite, weathered	Mcbl	94	○								
972	4-100	-	-	100.0	Beforsite, weathered	Mcbl	94	○	○							
973	4-105	-	-	105.0	Beforsite	Mcbl	94	○								
974	4-110	-	-	110.0	Beforsite, weathered	Mcbl	94	○								
975	4-115	-	-	115.0	Beforsite, weathered	Mcbl	94	○								
976	4-120	-	-	120.0	Beforsite, weathered	Mcbl	94	○	○							
977	4-125	-	-	125.0	Beforsite	Mcbl	94	○								
978	4-130	-	-	130.0	Beforsite, weathered	Mcbl	94	○								
979	4-135	-	-	135.0	Beforsite	Mcbl	94	○								
980	4-140	-	-	140.0	Beforsite, weathered	Mcbl	94	○	○							
981	4-145	-	-	145.0	Beforsite, sulfide rich	Mcbl	94	○								
982	4T- 3	-	-	146.9	Beforsite, sulfide rich	Mcbl	94				○					
983	4X- 2	-	-	148.7	Beforsite, sulfide rich	Mcbl	94						○			
984	4-150	-	-	150.0	Beforsite, sulfide rich	Mcbl	94	○								
	MJNO－5															
985	5- 0	-	-	0.0	Beforsite, weathered	Mcbl	94	○								
986	5- 5	-	-	5.0	Beforsite, weathered	Mcbl	94	○								
987	5- 10	-	-	10.0	Beforsite, weathered	Mcbl	94	○								
988	5- 15	-	-	15.0	Beforsite, weathered	Mcbl	94	○								
989	5- 20	-	-	20.0	Beforsite, weathered	Mcbl	94	○								
990	5- 25	-	-	25.0	Beforsite, Phl rich	Mcbl	94	○								
991	5- 30	-	-	30.0	Beforsite, Phl rich	Mcbl	94	○	○							
992	5- 34	-	-	34.0	Beforsite, Phl rich	Mcbl	94	○								
993	5X- 1	-	-	35.0	Dolerite	Kdd	94						○			
994	5- 40	-	-	40.0	Beforsite, Phl rich	Mcbl	94	○	○							
995	5- 45	-	-	45.0	Beforsite, Phl rich	Mcbl	94	○								
996	5- 47	-	-	47.3	Beforsite, Phl rich	Mcbl	94	○								
997	5- 50	-	-	50.0	Beforsite, Phl rich	Mcbl	94	○	○							
998	5- 55	-	-	55.0	Beforsite, Phl rich	Mcbl	94	○								
	5X- 2												○			
999	5- 60	-	-	60.0	Beforsite, Phl rich	Mcbl	94	○	○							
1000	5- 65	-	-	65.0	Beforsite, Fe oxide rich	Mcbl	94	○								
1001	5- 67	-	-	67.3	Beforsite, Fe oxide rich	Mcbl	94	○								
1002	5- 70	-	-	70.0	Beforsite, Fe oxide rich	Mcbl	94	○	○							
1003	5- 75	-	-	75.0	Beforsite, Fe oxide rich	Mcbl	94	○								
1004	5- 80	-	-	80.0	Beforsite, Fe oxide rich	Mcbl	94	○	○							
1005	5T- 1	-	-	84.7	Beforsite, sulfide rich	Mcbl	94				○					
1006	5- 85	-	-	85.0	Beforsite, sulfide rich	Mcbl	94	○								
1007	5- 90	-	-	90.0	Beforsite, sulfide rich	Mcbl	94	○	○							
1008	5T- 2	-	-	92.2	Beforsite, sulfide rich	Mcbl	94				○					
1009	5- 92	-	-	92.3	Beforsite, sulfide rich	Mcbl	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
1010	5- 95	-	-	95.0	Beforsite, sulfide rich	Mcb1	94	○								
1011	5-100	-	-	100.0	Beforsite, sulfide rich	Mcb1	94	○	○							
1012	5-105	-	-	105.0	Beforsite, sulfide rich	Mcb1	94	○								
	MJNO－6															
1013	6- 0	-	-	0.0	Beforsite, weathered	Mcb2	94	○								
1014	6- 5	-	-	5.0	Beforsite, sulfide rich	Mcb2	94	○								
1015	6- 10	-	-	10.0	Beforsite, sulfide rich	Mcb2	94	○	○							
1016	6- 15	-	-	15.0	Beforsite, sulfide rich	Mcb2	94	○								
1017	6T- 1	-	-	17.5	Beforsite, sulfide rich	Mcb2	94				○					
1018	6- 20	-	-	20.0	Beforsite, sulfide rich	Mcb2	94	○								
1019	6- 25	-	-	25.0	Beforsite, sulfide rich	Mcb2	94	○								
1020	6- 30	-	-	30.0	Beforsite, sulfide rich	Mcb2	94	○	○							
1021	6- 35	-	-	35.0	Beforsite, sulfide rich	Mcb2	94	○								
1022	6- 40	-	-	40.0	Beforsite, sulfide rich	Mcb2	94	○								
1023	6X- 1a	-	-	42.2	Beforsite, Phl rich	Mcb2	94						○			
1024	6X- 1b	-	-	42.3	Beforsite, Phl rich	Mcb2	94						○			
1025	6- 45	-	-	45.0	Beforsite, Phl rich	Mcb2	94	○								
1026	6- 50	-	-	50.0	Beforsite, Phl rich	Mcb2	94	○	○							
1027	6- 55	-	-	55.0	Beforsite, sulfide rich	Mcb2	94	○								
1028	6- 60	-	-	60.0	Beforsite, sulfide rich	Mcb2	94	○								
1029	6- 65	-	-	65.0	Beforsite, sulfide rich	Mcb2	94	○								
1030	6- 70	-	-	70.0	Beforsite, sulfide rich	Mcb2	94	○	○							
1031	6- 75	-	-	75.0	Beforsite, Phl rich	Mcb2	94	○								
1032	6- 80	-	-	80.0	Beforsite	Mcb2	94	○								
1033	6- 85	-	-	85.0	Beforsite	Mcb2	94	○								
1034	6- 90	-	-	90.0	Beforsite, sulfide rich	Mcb2	94	○	○							
1035	6- 95	-	-	95.0	Beforsite, sulfide rich	Mcb2	94	○								
1036	6-100	-	-	100.0	Beforsite, sulfide rich	Mcb2	94	○								
1037	6-105	-	-	105.0	Beforsite, sulfide rich	Mcb2	94	○								
1038	6X- 2	-	-	105.5	Beforsite, Ap rich	Mcb2	94						○			
1039	6-110	-	-	110.0	Beforsite, Ap rich	Mcb2	94	○	○							
1040	6-115 6R- 1	-	-	115.0	Beforsite, Ap rich	Mcb2	94	○							○	
1041	6T- 2	-	-	117.0	Beforsite, Ap rich	Mcb2	94				○			○		
1042	6-120	-	-	120.0	Beforsite, Ap rich	Mcb2	94	○								
1043	6T- 3	-	-	121.3	Beforsite, Ap rich	Mcb2	94				○					
1044	6-125	-	-	125.0	Beforsite, Ap rich	Mcb2	94	○								
1045	6-130	-	-	129.0	Beforsite, Ap rich	Mcb2	94	○	○							
1046	6-135	-	-	135.0	Beforsite, Ap rich	Mcb2	94	○								
1047	6-142	-	-	142.3	Beforsite, Phl rich	Mcb2	94	○								
1048	6-145	-	-	145.0	Beforsite, Phl rich	Mcb2	94	○								
1049	6T- 4	-	-	148.7	Slate, Bre. & carbonated	Msu	94				○					
1050	6-150	-	-	150.0	Syenite	Msu	94	○	○							
	MJNO－7															
1051	7- 0	-	-	0.0	Beforsite, weathered	Mcb2	94	○								
1052	7- 5	-	-	5.0	Beforsite, Ap rich	Mcb2	94	○								
1053	7- 10	-	-	10.0	Beforsite, Ap rich	Mcb2	94	○	○							
1054	7- 15	-	-	15.0	Beforsite, Ap rich	Mcb2	94	○								
1055	7- 20	-	-	20.0	Beforsite, Ap rich	Mcb2	94	○								
1056	7- 25	-	-	25.0	Dolerite	Kdd	94	○								
1057	7- 30	-	-	30.0	Beforsite	Mcb2	94	○	○							
1058	7- 35	-	-	35.0	Beforsite, Fe oxide rich	Mcb2	94	○								
1059	7- 40	-	-	40.0	Beforsite, Fe oxide rich	Mcb2	94	○								
1060	7- 45	-	-	45.0	Beforsite, Fe oxide rich	Mcb2	94	○								
1061	7T- 2	-	-	46.0	Beforsite, Fe oxide rich	Mcb2	94				○			○		
1062	7- 50	-	-	50.0	Beforsite, Ap rich	Mcb2	94	○	○							
1063	7- 55	-	-	55.0	Beforsite, Ap rich	Mcb2	94	○								
1064	7- 60	-	-	60.0	Beforsite, Ap rich	Mcb2	94	○								
1065	7- 65	-	-	65.0	Beforsite, Ap rich	Mcb2	94	○								
1066	7- 70	-	-	70.0	Beforsite, Ap rich	Mcb2	94	○	○							
1067	7- 75	-	-	75.0	Beforsite, Ap rich	Mcb2	94	○								
1068	7- 80	-	-	80.0	Beforsite, Ap rich	Mcb2	94	○								
1069	7- 85 7X- 3	-	-	85.0	Beforsite, Ap rich	Mcb2	94	○					○			
1070	7- 90	-	-	90.0	Beforsite, Ap rich	Mcb2	94	○	○							
1071	7T- 3	-	-	93.0	Beforsite, sulfide rich	Mcb2	94				○					
1072	7- 95	-	-	95.0	Beforsite, Ap rich	Mcb2	94	○								
1073	7-100	-	-	100.0	Beforsite, Ap rich	Mcb2	94	○								
1074	7-105	-	-	105.0	Beforsite, Ap rich	Mcb2	94	○								
1075	7-110	-	-	110.0	Beforsite, Ap rich	Mcb2	94	○	○							
1076	7-115	-	-	115.0	Beforsite, Ap rich	Mcb2	94	○								
1077	7-120	-	-	120.0	Beforsite, Ap rich	Mcb2	94	○								
1078	7-125	-	-	125.0	Beforsite, Ap rich	Mcb2	94	○								
1079	7T- 4	-	-	129.3	Beforsite, Ap rich	Mcb2	94				○					
1080	7-130	-	-	130.0	Beforsite, Ap rich	Mcb2	94	○	○							
1081	7-135	-	-	135.0	Beforsite, Ap rich	Mcb2	94	○								
1082	7X- 1a	-	-	136.6	Beforsite, Ap rich	Mcb2	94						○			
1083	7X- 1b	-	-	136.7	Beforsite, Ap rich	Mcb2	94						○			
1084	7-140	-	-	140.0	Beforsite, Ap rich	Mcb2	94	○								

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No.	Sample No.	X m	Y m	Depth m	Rock Name	Rock Code	Analytical methods								
							Year	REE	WR	TS	PS	PO	XR	EA	IA	PA
1085	7-145	-	-	145.0	Beforsite, Ap rich	Mcb2	94	○								
	7R- 1														○	
1086	7X- 2	-	-	148.0	Beforsite, Ap rich	Mcb2	94						○			
1087	7-150	-	-	150.0	Beforsite, Ap rich	Mcb2	94	○	○							
	MJNO－8															
1088	8- 0	-	-	0.0	Beforsite, weathered	Mcb2	94	○								
1089	8- 3	-	-	3.0	Beforsite, weathered	Mcb2	94	○								
1090	8- 12	-	-	10.0	Beforsite	Mcb2	94	○								
1091	8- 15	-	-	15.0	Beforsite	Mcb2	94	○								
1092	8- 20	-	-	20.0	Slate, Bre. & carbonated	Nsh	94	○								
1093	8- 25	-	-	25.0	Slate, Bre. & carbonated	Nsh	94	○	○							
1094	8- 30	-	-	30.0	Beforsite, Phl rich	Mcb2	94	○								
1095	8- 35	-	-	35.0	Beforsite, Phl rich	Mcb2	94	○								
	8X- 1												○			
1096	8- 40	-	-	40.0	Beforsite, Phl rich	Mcb2	94	○								
1097	8- 45	-	-	45.0	Beforsite, Phl rich	Mcb2	94	○								
1098	8- 50	-	-	50.0	Beforsite, Phl rich	Mcb2	94	○	○							
1099	8- 55	-	-	55.0	Beforsite, Phl rich	Mcb2	94	○								
	8T- 2										○					
1100	8X- 2	-	-	55.0	Beforsite, Ap rich	Mcb2	94						○			
1101	8- 61	-	-	61.5	Beforsite, Phl rich	Mcb2	94	○								
1102	8- 65	-	-	65.0	Beforsite, Ap rich	Mcb2	94	○								
1103	8- 67	-	-	67.3	Beforsite, Ap rich	Mcb2	94	○	○							
1104	8- 70	-	-	70.0	Beforsite, Ap rich	Mcb2	94	○								
1105	8- 75	-	-	75.0	Beforsite, Ap rich	Mcb2	94	○								
	8T- 3										○					
1106	8- 80	-	-	80.0	Beforsite, Ap rich	Mcb2	94	○	○							
1107	8- 85	-	-	85.0	Beforsite, Ap rich	Mcb2	94	○								
1108	8T- 4	-	-	87.3	Beforsite, Ap rich	Mcb2	94				○					
1109	8- 90	-	-	90.0	Beforsite, Ap rich	Mcb2	94	○	○							
1110	8- 95	-	-	95.0	Beforsite, Ap rich	Mcb2	94	○								
1111	8-100	-	-	100.0	Beforsite, Phl rich	Mcb2	94	○	○							
1112	8-105	-	-	105.0	Beforsite, Ap rich	Mcb2	94	○								
1113	8-110	-	-	110.0	Beforsite, Ap rich	Mcb2	94	○								
1114	8-115	-	-	115.0	Beforsite, Ap rich	Mcb2	94	○								
1115	8-120	-	-	120.0	Beforsite, Ap rich	Mcb2	94	○	○							
	8R- 1	-	-	120.0	Beforsite, Ap rich	Mcb2									○	
1116	8-125	-	-	125.0	Beforsite, Ap rich	Mcb2	94	○								
1117	8-130	-	-	130.0	Beforsite, Ap rich	Mcb2	94	○								
1118	8-135	-	-	135.0	Beforsite, Ap rich	Mcb2	94	○								
1119	8-137	-	-	137.3	Beforsite, Ap rich	Mcb2	94	○	○							
1120	8T- 5	-	-	142.8	Syenite, Phl	Msu	94				○					
1121	8-145	-	-	145.0	Beforsite, Phl rich	Mcb2	94	○								
1122	8-150	-	-	150.0	Beforsite, Phl rich	Mcb2	94	○								

B－2　オレンジ地域 全岩化学分析・ノルム分析結果一覧表

Abbreviation of the normative minerals in the list

Q:	quartz	SiO_2
C:	corundum	Al_2O_3
or:	orthoclase	$K_2O.Al_2O_3.6SiO_2$
ab:	albite	$Na_2O.Al_2O_3.6SiO_2$
an:	anorthite	$CaO.Al_2O_3.2SiO_2$
lc:	leucite	$K_2O.Al_2O_3.4SiO_2$
ne:	nepheline	$Na_2O.Al_2O_3.2SiO_2$
kp:	kaliophilite	$K_2O.Al_2O_3.2SiO_2$
ac:	acmite	$Na_2O.Fe_2O_3.4SiO_2$
ns:	sodium metasilicate	$Na_2O.SiO_2$
ks:	potassium metasilicate	$K_2O.SiO_2$
cs:	calcium orthosilicate	$CaO.SiO_2$
mt:	magnetite	$FeO.Fe_2O_3$
hm:	hematite	Fe_2O_3
tn:	titanite	$CaO.TiO_2.SiO_2$
pf:	perofskite	$CaO.TiO_2$
ru:	rutile	TiO_2
ap:	apatite	$3(3CaO.P_2O_5).CaF_2$
wo-di:	wollastonite	$CaO.SiO_2$
en-di:	$MgSiO_3$ in diopside	$MgO.SiO_2$
fs-di:	$FeSiO_3$ in hedenbergite	$FeO.SiO_2$
en-hy:	enstatite	$MgO.SiO_2$
fs-hy:	ferrosilite	$FeO.SiO_2$
fo-ol:	forsterite	$2MgO.SiO_2$
fa-ol:	fayalite	$2FeO.SiO_2$
ca:	calcite	$CaO.CO_2$
ma:	magnesite	$MgO.CO_2$
sd:	siderite	$FeO.CO_2$
sr:	sirontianite	$SrO.CO_2$
NaCO3:	sodium carbonate	$Na_2O.CO_2$
K2CO3:	potassium carbonate	$K_2O.CO_2$

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（1）

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Sample No.	Bb400	Bb500	Bb515	Bb600	C420	Cb315	Cb415	Cb500	Cb515	Cb600	Cb615	Cc315	Cc400	Cc415	Cc500	Cc515	Cc600	Da300	Da320	Db400
Rock code	Mcbl	Mcbl	Mcbl	Mcbl	Kdd	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Ngn	Mcbl	Mcbl
	Weight percentage																			
SiO2	1.02	0.26	1.86	0.88	44.17	2.72	1.92	0.82	2.96	1.52	0.12	2.16	1.08	0.98	0.56	11.02	1.36	54.94	6.89	1.20
TiO2	0.01	< 0.01	0.03	0.01	1.02	0.03	0.01	0.01	0.01	0.01	< 0.01	< 0.01	< 0.01	0.03	0.01	< 0.01	< 0.01	0.47	0.07	0.01
Al2O3	0.10	0.08	0.82	0.22	14.62	0.74	0.53	0.19	0.70	0.15	0.03	0.02	0.10	0.27	0.15	0.07	0.02	17.13	2.34	0.16
Fe2O3	0.08	0.06	4.87	5.11	0.60	0.66	8.52	0.18	1.47	3.34	1.91	2.89	5.95	3.25	1.43	4.09	0.88	3.22	0.74	2.31
FeO	2.95	2.30	3.69	1.27	3.60	3.19	2.46	0.35	3.45	1.79	3.52	4.32	3.25	3.19	2.52	1.29	1.86	0.13	4.29	3.09
MnO	0.05	0.04	1.32	1.03	0.54	0.81	0.94	0.03	0.30	0.89	0.32	1.12	1.25	1.05	0.81	0.85	1.16	0.15	0.94	0.99
MgO	16.72	15.79	14.72	15.15	7.60	17.39	17.83	18.64	19.39	18.74	18.82	16.60	15.67	17.89	18.82	16.83	19.15	1.30	16.05	17.36
CaO	28.56	26.32	25.87	29.67	4.76	27.87	24.34	27.91	25.77	28.49	28.66	27.37	27.59	28.05	28.27	26.67	29.08	4.73	27.61	30.09
Na2O	0.02	0.02	0.02	0.02	3.33	0.21	0.15	0.02	0.06	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.42	0.09	0.03
K2O	0.07	0.02	0.01	0.14	4.70	0.44	0.11	0.14	0.07	< 0.01	< 0.01	0.01	0.02	0.07	0.05	0.01	< 0.01	8.78	0.91	0.02
P2O5	0.09	< 0.01	1.33	0.94	0.01	2.98	0.41	0.04	1.14	< 0.01	0.32	< 0.01	< 0.01	1.65	0.71	< 0.01	0.92	1.82	2.98	< 0.01
H2O(+)	0.96	0.78	1.42	1.27	0.44	0.45	0.51	0.81	0.57	0.65	0.46	0.92	1.56	0.39	0.44	0.91	0.33	2.44	1.06	0.60
H2O(-)	0.28	0.16	0.56	0.07	0.42	0.43	0.59	0.27	0.29	0.11	0.26	0.10	0.22	0.15	0.24	0.15	0.23	0.42	0.26	0.06
CO2	47.32	49.82	37.43	42.18	8.04	41.17	40.97	45.25	42.32	42.47	44.28	43.25	41.30	39.37	44.16	37.12	41.66	2.94	34.22	43.13
Sum	98.23	95.67	93.95	97.96	93.85	99.09	99.29	94.66	98.50	98.20	98.73	98.80	98.02	96.36	98.19	99.05	96.68	98.89	98.45	99.06
	Weight percentage																			
Q	0.93	0.26	1.59	0.78	—	2.41	1.71	0.76	1.98	—	—	1.88	0.84	—	0.22	6.40	—	18.96	—	—
C	0.09	0.08	0.72	0.20	4.23	0.65	0.47	0.18	0.47	0.09	0.00	0.02	0.06	0.15	0.06	0.02	—	7.12	1.08	0.08
or	—	—	0.06	—	28.98	—	—	—	0.37	0.05	—	—	0.11	—	0.26	0.05	—	53.30	3.39	0.10
ab	—	—	0.16	—	29.40	—	—	—	0.45	0.15	—	—	0.08	—	0.15	0.15	—	3.65	—	0.02
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
lc	—	—	—	—	—	—	—	—	—	—	0.04	—	—	0.30	—	—	0.04	—	1.13	—
ne	—	—	—	—	—	—	—	—	—	—	0.04	—	—	0.08	—	—	0.02	—	0.37	0.11
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	—	—	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	—	—	4.57	—	0.91	—	—	—	1.89	4.25	2.42	—	1.86	4.31	1.25	5.22	1.13	0.94	0.96	2.89
hm	0.07	0.06	1.39	4.55	—	0.58	7.57	0.17	—	—	—	2.52	3.99	—	0.39	—	—	2.66	—	—
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.01	0.03	0.01	1.06	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.48	0.06	0.01
ap	0.19	0.02	2.87	1.94	0.02	6.11	0.84	0.09	2.34	0.02	0.65	0.02	0.02	3.50	1.44	0.02	1.92	4.33	6.20	0.02
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	5.30	—	—	—	—	0.60	—	—	—	—	—	4.88	—	0.75	—	—
fs-hy	—	—	—	—	4.10	—	—	—	0.21	0.99	—	—	—	—	—	0.52	—	—	—	—
fo-ol	—	—	—	—	3.03	—	—	—	—	0.40	—	—	—	0.50	—	—	1.30	—	3.16	—
fa-ol	—	—	—	—	2.58	—	—	—	—	0.73	0.22	—	—	1.63	—	—	2.08	—	6.27	3.07
ca	60.64	61.30	52.75	59.31	11.60	49.56	49.47	60.62	50.36	58.36	57.78	55.65	57.08	55.35	55.75	54.81	58.54	5.60	49.72	60.61
ma	31.71	32.72	28.68	28.22	8.51	32.17	33.14	36.27	35.99	33.38	34.45	30.22	29.03	32.90	34.36	26.88	33.48	2.17	26.37	31.32
sd	4.99	4.26	5.99	3.77	—	6.52	5.57	0.65	4.86	—	3.55	8.74	6.31	—	4.66	—	—	—	—	0.89
sr	1.25	1.23	1.21	1.01	0.29	1.09	0.85	1.04	1.07	0.98	0.84	0.92	0.64	1.25	1.46	1.03	1.45	0.04	1.28	0.89
Na2CO3	0.03	0.03	—	0.03	—	0.32	0.23	0.03	—	—	—	0.03	—	—	—	—	—	—	—	—
K2CO3	0.09	0.03	—	0.18	—	0.57	0.14	0.19	—	—	—	0.01	—	—	—	—	—	—	—	—

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（2）

No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Sample No.	Db415	Db515	Db600	Db700	Db715	Dc320	Dc405	Dc415	Dc500	Dc515	Dc600	Dc615	Dc700	Ea300	Ea320	Ea410	Ea600	Ea710	Eb315	Eb400
Rock code	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mfn	Mcbl	Mcbl	Mcbl	Mcbl	Mgr	Mcbl	Mcbl	Mcbl	Msu	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl
	Weight percentage																			
SiO2	0.48	0.28	0.42	0.04	0.26	23.08	0.26	0.48	0.24	0.34	67.26	0.24	1.20	2.13	25.59	0.58	0.40	0.34	1.46	0.36
TiO2	0.01	0.01	0.01	< 0.01	< 0.01	0.38	0.01	0.01	0.01	0.01	0.02	0.01	< 0.01	0.10	0.27	0.01	0.02	0.01	< 0.01	< 0.01
Al2O3	0.04	0.04	0.07	0.01	0.05	11.22	0.12	0.06	0.02	0.13	12.96	0.10	0.06	0.35	6.28	0.01	0.01	0.01	0.16	0.08
Fe2O3	1.27	1.73	8.38	1.91	5.11	3.14	0.67	4.83	3.24	5.54	6.75	5.00	7.92	1.64	1.39	11.42	3.43	2.97	2.97	5.82
FeO	3.35	3.22	1.83	3.15	2.16	2.32	3.79	3.19	2.36	0.17	0.43	1.16	1.00	5.03	2.74	0.16	2.13	1.74	6.97	2.69
MnO	0.92	0.98	1.18	0.92	1.06	0.26	0.81	1.01	0.86	0.69	0.01	1.08	0.91	1.05	0.25	1.22	0.86	0.83	0.91	1.09
MgO	18.44	17.75	17.83	18.24	19.38	1.57	19.51	19.06	18.78	18.06	0.65	19.54	17.57	16.94	1.69	19.90	19.96	20.34	11.64	17.88
CaO	27.79	27.08	25.70	28.80	27.32	26.81	28.21	26.67	28.23	29.16	0.28	26.99	24.99	27.36	33.82	23.46	27.52	27.65	25.90	26.97
Na2O	0.02	0.02	0.02	0.01	0.02	0.82	0.03	0.04	0.02	0.05	3.65	0.02	0.02	0.04	2.15	0.03	0.02	0.02	0.03	0.03
K2O	< 0.01	< 0.01	0.01	< 0.01	0.02	4.05	0.03	0.02	< 0.01	0.02	4.26	0.02	0.01	0.54	1.11	0.01	0.01	0.01	0.05	0.01
P2O5	< 0.01	< 0.01	< 0.01	< 0.01	0.05	1.86	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.05	2.36	0.04	0.03	0.03	0.05	< 0.01
H2O(+)	1.32	0.66	2.43	0.70	0.48	2.73	0.99	0.98	0.50	1.48	0.47	0.99	1.47	0.90	2.00	0.98	0.54	0.46	0.64	0.70
H2O(-)	0.30	0.12	0.11	0.16	0.22	0.31	0.05	0.08	0.20	0.12	0.31	0.19	0.07	0.23	0.13	0.14	0.25	0.11	0.27	0.34
CO2	44.18	46.24	40.88	45.15	43.14	20.11	43.92	42.06	43.66	43.16	0.70	42.97	43.16	43.12	20.00	40.60	44.64	44.66	40.75	42.07
Sum	98.14	98.15	98.88	99.12	99.28	98.66	98.42	98.50	98.14	98.94	97.78	98.32	98.40	99.48	99.78	98.56	99.82	99.18	91.81	98.06
	Weight percentage																			
Q	—	0.25	0.24	—	—	0.58	—	—	—	—	30.27	0.04	1.10	0.10	—	0.39	—	—	1.34	0.13
C	—	0.04	0.02	—	—	5.01	0.04	—	—	0.02	2.41	0.04	0.06	—	—	—	—	—	0.15	0.02
or	0.05	—	0.05	—	—	21.84	—	—	—	0.10	25.91	0.10	—	1.66	5.87	0.05	0.05	0.05	—	0.05
ab	0.13	—	0.15	—	—	6.33	—	—	—	0.32	31.79	0.15	—	—	11.98	—	—	—	—	0.22
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.76	—	—	—	—	—
lc	—	—	—	0.04	0.08	—	0.13	0.08	0.04	—	—	—	—	—	—	—	—	—	—	—
ne	—	—	—	—	0.07	—	0.13	0.10	0.02	0.03	—	—	—	—	2.32	—	—	—	—	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	0.02	—	—	0.06	0.02	—	—	0.11	0.09	—	—	—	—	0.26	—	0.20	0.13	0.13	—	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	0.00	—	—	—	—	—	—	—	—	—	0.31	—	0.00	0.00	0.00	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	1.61	—	4.00	0.76	6.45	4.16	0.88	6.20	4.07	0.61	1.48	5.62	—	1.93	1.80	2.57	4.20	3.68	—	5.71
hm	—	1.54	4.74	1.10	—	—	—	—	—	4.43	5.94	0.55	7.28	—	—	8.44	—	—	2.73	1.20
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.41	—	—	—	—	—
ru	0.01	0.01	0.01	0.01	0.01	0.35	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.09	—	0.01	0.02	0.01	0.01	0.01
ap	0.02	0.02	0.02	0.02	0.10	3.93	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.10	4.89	0.08	0.06	0.06	0.11	0.02
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.83	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.76	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.92	—	—	—	—	—
en-hy	—	—	—	—	—	1.80	—	—	—	—	0.54	—	—	—	—	—	—	—	—	—
fs-hy	0.16	—	—	—	—	2.00	—	—	—	—	—	—	—	0.93	—	—	0.34	0.25	—	—
fo-ol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fa-ol	0.74	—	—	—	0.48	—	0.38	0.96	0.44	—	—	—	—	—	—	—	0.30	0.29	—	—
ca	57.00	56.36	53.71	57.96	55.52	51.94	59.67	55.64	57.81	59.65	0.64	55.72	53.61	55.32	52.86	49.20	55.00	56.15	55.42	55.58
ma	33.88	33.09	33.38	32.88	35.35	1.49	36.98	35.62	34.45	33.09	0.97	36.14	33.77	30.74	—	37.45	35.77	37.04	22.36	33.01
sd	4.91	6.91	2.71	6.05	0.83	—	0.59	0.16	1.88	1.04	—	0.48	3.24	7.72	—	0.84	1.63	1.43	13.36	2.93
sr	1.49	1.74	0.96	1.13	1.09	0.59	1.17	1.10	1.16	0.67	—	1.14	0.88	0.85	0.59	0.77	2.52	0.92	4.42	1.12
Na2CO3	—	0.03	—	—	—	—	—	—	—	—	—	—	0.03	—	—	—	—	—	0.05	—
K2CO3	—	0.01	—	—	—	—	—	—	—	—	—	—	0.01	—	—	—	—	—	0.07	—

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（3）

No.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Sample No.	Eb415	Eb500	Eb515	Eb610	Eb700	Eb715	Ec300	Ec310	Ec400	Ec415	Ec500	Ec600	Ec620	Ec700	Ec715	F700	F810	Fb400	Fb415	Fb500
Rock code	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Msu	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Msu	Mcbl	Mcbl	Mcbl
	Weight percentage																			
SiO2	0.32	0.38	0.72	1.80	1.84	0.30	1.06	40.02	0.44	0.42	0.70	0.75	< 0.01	0.82	0.68	2.63	25.74	1.06	1.10	1.92
TiO2	0.01	0.01	0.03	0.01	0.01	0.01	< 0.01	0.12	< 0.01	0.01	0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.56	0.01	0.01	0.01
Al2O3	0.06	0.08	0.26	0.18	0.13	0.08	0.13	18.48	0.12	0.08	0.04	0.19	0.08	0.05	0.23	0.01	7.27	0.30	0.28	0.15
Fe2O3	0.96	2.43	4.04	0.92	6.68	6.27	4.12	1.38	0.63	0.37	4.40	4.21	3.97	3.61	7.80	5.76	1.03	6.68	2.40	1.60
FeO	4.08	3.45	4.82	3.55	1.16	1.00	4.10	2.36	3.59	3.53	0.90	2.09	1.33	2.26	2.13	1.00	4.25	2.23	3.04	3.75
MnO	0.80	0.92	1.09	0.80	0.92	0.93	1.18	0.87	1.48	1.16	1.22	0.98	1.05	0.90	1.17	0.98	0.23	0.91	0.88	0.88
MgO	16.75	18.36	15.89	18.08	15.35	18.25	15.17	2.13	18.51	18.66	18.28	19.16	15.34	16.57	16.99	16.96	1.70	16.76	16.65	15.26
CaO	28.26	27.84	27.17	26.96	27.98	26.72	26.88	9.08	28.30	28.32	27.78	27.61	28.77	27.69	26.78	28.87	30.34	27.38	28.76	29.98
Na2O	0.04	0.02	0.02	0.01	0.02	0.01	0.02	2.92	0.04	0.05	0.01	0.02	0.02	0.02	0.02	0.04	2.97	0.02	0.03	0.01
K2O	0.01	0.01	0.02	0.04	0.03	< 0.01	0.02	6.10	0.02	0.01	< 0.01	0.04	0.01	0.01	0.03	0.02	1.57	0.08	0.08	0.02
P2O5	< 0.01	0.21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.27	0.03	0.04	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	2.29	< 0.01	< 0.01	0.35
H2O(+)	0.54	0.81	1.01	0.78	1.68	1.52	1.13	1.46	0.79	0.55	1.07	0.80	0.05	0.74	0.98	1.56	1.90	1.13	0.87	0.75
H2O(-)	0.54	0.11	0.11	0.24	0.18	0.14	0.25	0.28	0.29	0.39	0.19	0.26	0.35	0.24	0.40	0.23	0.04	0.27	0.13	0.29
CO2	44.56	43.71	42.16	45.01	42.40	43.14	43.34	9.13	44.24	44.55	43.68	42.94	47.28	45.50	41.62	40.77	18.75	41.36	44.31	43.03
Sum	96.94	98.34	97.35	98.39	98.39	98.39	97.42	94.60	98.49	98.14	98.30	99.07	98.28	98.43	98.85	98.90	98.64	98.20	98.55	98.00
	Weight percentage																			
Q	0.29	—	0.47	1.59	1.66	0.27	0.96	—	—	—	0.62	—	—	0.74	0.39	1.25	—	0.56	0.96	1.67
C	0.05	0.03	0.18	0.16	0.12	0.07	0.12	7.23	0.03	—	0.04	0.10	0.07	0.05	0.14	—	—	0.16	0.24	0.13
or	—	0.05	0.11	—	—	—	—	36.84	—	—	—	0.21	—	—	0.16	0.05	8.42	0.42	—	—
ab	—	0.15	0.15	—	—	—	—	21.95	—	—	—	0.15	—	—	0.15	—	11.27	0.15	—	—
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.70	—	—	—
lc	—	—	—	—	—	—	—	—	0.08	0.04	—	—	—	—	—	—	—	—	—	—
ne	—	—	—	—	—	—	—	1.79	0.16	0.17	—	—	—	—	—	—	6.25	—	—	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	—	—	—	—	—	—	—	—	—	0.05	—	—	—	—	—	0.26	—	—	—	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	—	3.09	1.64	—	—	—	—	2.05	0.81	0.45	—	5.35	—	—	1.32	5.65	1.36	2.92	—	—
hm	0.86	—	2.44	0.81	6.02	5.60	3.72	—	—	—	3.88	—	3.65	3.25	5.93	1.07	—	3.88	2.09	1.39
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.87	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	—	0.01	0.01	0.01
ap	0.02	0.43	0.02	0.02	0.02	0.02	0.02	0.64	0.06	0.08	0.02	0.02	0.02	0.02	0.02	0.08	4.82	0.02	0.02	0.71
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.94	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.41	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.46	—	—	—	—
fs-hy	—	0.16	—	—	—	—	—	—	—	—	—	0.18	—	—	—	—	—	—	—	—
fo-ol	—	—	—	—	—	—	—	0.15	—	—	—	—	—	—	—	—	1.33	—	—	—
fa-ol	—	0.42	—	—	—	—	—	3.81	0.93	0.84	—	1.13	—	—	—	—	2.57	—	—	—
ca	58.83	56.38	56.11	55.63	58.84	55.68	56.72	20.83	58.37	58.27	57.16	56.46	61.69	58.20	54.87	58.88	50.35	56.42	58.57	59.94
ma	31.23	33.63	29.40	33.42	28.92	34.07	28.67	4.38	34.23	34.44	33.69	35.10	29.46	31.20	31.19	29.80	—	30.94	30.37	27.74
sd	8.03	4.62	8.73	7.10	3.46	3.18	8.81	—	4.04	4.46	3.45	0.29	4.04	5.25	4.60	—	—	3.47	6.31	7.43
sr	0.61	1.04	0.74	1.19	0.90	1.08	0.92	0.22	1.28	1.19	1.12	1.01	1.02	1.25	1.21	1.48	0.46	1.07	1.28	0.95
Na2CO3	0.06	—	—	0.02	0.03	0.02	0.03	—	—	—	0.02	—	0.03	0.03	—	—	—	—	0.05	0.02
K2CO3	0.01	—	—	0.05	0.04	0.01	0.03	—	—	—	0.01	—	0.01	0.01	—	—	—	—	0.10	0.03

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（4）

No.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Sample No.	Fb515	Fb600	Fb615	Fb700	Fb715	Fc400	Fc415	Fc500	Fc515	Fc600	Fc615	Fc715	Gb500	Gb515	Gb600	Gc400	Gc415	Gc500	Gc515	Gc600
Rock code	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1
	Weight percentage																			
SiO2	0.74	0.14	0.26	2.40	0.58	2.46	0.12	0.22	0.36	0.32	0.26	1.00	2.16	1.60	0.36	0.22	0.04	0.26	0.26	0.66
TiO2	0.01	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.01	< 0.01	0.01	0.02	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01
Al2O3	0.14	0.05	0.06	0.09	0.08	0.07	0.05	0.04	0.08	0.06	0.06	0.29	1.25	0.68	0.09	0.04	0.03	0.06	0.09	0.17
Fe2O3	4.49	5.67	2.01	3.71	1.16	5.55	0.68	0.89	2.05	4.51	3.17	3.13	8.95	6.48	1.98	1.67	3.76	2.50	8.22	2.03
FeO	1.96	2.72	2.31	3.52	3.05	4.05	3.52	3.05	2.13	1.00	2.00	1.73	1.33	5.84	5.08	4.88	4.32	3.08	0.17	4.02
MnO	0.91	1.01	0.79	0.98	0.88	0.93	0.76	0.76	0.81	0.85	0.83	0.92	1.02	1.33	1.05	1.06	1.04	0.83	1.19	0.94
MgO	17.36	17.40	17.87	15.73	17.41	15.17	18.04	17.97	16.95	16.99	16.60	17.53	12.49	11.85	15.43	14.59	15.37	16.94	8.20	14.29
CaO	30.21	28.06	28.43	28.33	29.97	26.70	29.04	29.52	29.67	28.77	28.06	27.94	28.08	27.58	27.90	28.50	27.32	27.97	36.27	29.90
Na2O	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.17	0.08	0.01	0.03	0.03	0.01	0.01	0.04
K2O	0.05	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.18	0.10	0.08	0.01	0.01	0.01	0.02	0.01	0.02
P2O5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	1.11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.06
H2O(+)	1.02	0.98	0.62	1.07	0.87	1.30	0.87	0.73	0.91	0.70	0.98	0.18	2.17	1.38	0.10	0.92	1.01	1.16	2.11	0.57
H2O(-)	0.18	0.02	0.32	0.19	0.15	0.32	0.05	0.27	0.09	0.24	0.24	0.16	0.09	0.08	0.09	0.08	0.05	0.06	0.17	0.05
CO2	41.62	43.12	45.52	42.41	44.34	41.31	45.94	45.18	45.18	43.23	45.79	42.20	36.49	39.37	44.00	43.65	43.79	43.34	39.31	43.76
Sum	98.73	99.21	98.24	98.47	98.53	97.90	99.11	98.68	98.32	96.71	98.03	96.42	94.33	96.37	96.12	95.67	96.93	96.25	96.03	96.52
	Weight percentage																			
Q	—	0.04	0.23	2.01	—	2.19	0.10	0.04	0.32	0.29	0.24	0.89	0.73	1.43	0.32	0.20	0.04	0.23	0.23	0.58
C	0.03	0.02	0.05	0.06	0.05	0.06	0.04	—	0.07	0.05	0.05	0.26	0.80	0.61	0.08	0.04	0.03	0.05	0.08	0.15
or	—	0.05	—	0.05	0.05	—	—	0.05	—	—	—	—	0.55	—	—	—	—	—	—	—
ab	—	0.07	—	0.07	0.07	—	—	0.13	—	—	—	—	1.33	—	—	—	—	—	—	—
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
lc	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ne	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	—	—	—	—	—	—	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	5.71	2.00	—	0.03	1.45	—	—	1.11	—	—	—	—	3.49	—	—	—	—	—	—	—
hm	—	3.54	1.78	3.22	—	4.94	0.59	—	1.80	4.02	2.87	2.79	5.87	5.78	1.76	1.50	3.38	2.23	7.24	1.79
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.14	0.01	0.01	0.01
ap	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.08	0.02	0.02	2.29	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.12
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-hy	—	—	—	—	0.03	—	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—
fo-ol	0.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fa-ol	0.47	—	—	—	1.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ca	61.83	56.88	58.68	57.70	60.34	55.47	58.54	59.53	60.59	59.88	59.25	55.10	60.64	57.48	58.01	59.80	57.33	58.26	74.65	61.45
ma	29.58	31.59	33.04	28.70	31.40	28.23	32.57	32.46	31.05	31.67	31.40	32.66	24.16	22.12	28.74	27.42	28.89	31.61	15.12	26.37
sd	—	4.85	5.06	7.24	3.65	8.18	6.82	5.41	4.76	3.05	4.73	4.36	2.04	11.82	10.08	9.86	8.90	6.44	2.21	8.08
sr	1.23	0.93	1.09	0.90	1.58	0.87	1.28	1.18	1.28	0.99	1.41	1.35	0.36	0.50	0.95	1.10	1.23	1.11	0.41	1.36
Na2CO3	—	—	0.02	—	—	0.02	0.02	—	0.03	0.02	0.02	0.06	—	0.12	0.02	0.05	0.05	0.02	0.02	0.06
K2CO3	—	—	0.03	—	—	0.01	0.01	—	0.03	0.01	0.01	0.24	—	0.11	0.01	0.01	0.01	0.03	0.01	0.03

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（5）

No.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Sample No.	Gc615	Gc700	H700	I500	I800	J900	Ja715	Jb800	Jb815	L400A	K500	K825	K900	Kb620	Kb715	Kb815	Kc800	Kc815	L110	L625
Rock code	Mcb1	Mcb1	Mcs	Msu	Msr	Mgr	Mgr	Mcb2	Mcb2	Mcs	Msu	Ktd	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Msw	Kdd
	Weight percentage																			
SiO2	0.30	0.32	28.96	52.87	51.28	66.51	59.50	1.82	0.28	19.12	55.82	64.35	0.54	1.00	0.50	1.14	0.04	0.30	70.30	37.48
TiO2	< 0.01	< 0.01	0.13	0.46	0.24	0.01	0.13	0.06	0.01	0.21	0.38	0.08	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.17	1.61
Al2O3	0.04	0.08	7.09	19.69	15.44	18.20	13.60	0.50	0.09	5.86	19.51	15.19	0.11	0.09	0.05	0.04	0.03	0.07	12.89	18.84
Fe2O3	4.37	0.51	1.26	0.23	2.62	1.00	2.94	0.80	0.62	0.90	0.20	4.11	0.20	1.25	0.65	1.06	0.13	0.38	1.27	1.47
FeO	2.49	3.79	1.77	2.35	2.45	0.58	0.53	4.18	3.52	1.61	3.48	0.20	3.85	3.25	3.65	2.92	3.32	2.93	1.10	7.30
MnO	1.00	0.90	0.12	0.04	0.20	0.01	0.13	1.14	0.86	0.13	0.08	0.12	1.17	1.18	0.93	0.75	0.83	0.81	0.08	0.15
MgO	16.96	16.07	0.76	0.19	0.64	0.01	1.30	15.28	15.43	0.73	1.62	0.51	17.72	14.29	15.55	15.42	16.80	16.29	0.87	6.41
CaO	27.45	28.67	28.53	1.76	7.52	0.12	3.91	27.88	30.26	35.71	0.61	1.46	29.85	31.25	30.93	29.81	30.58	30.32	1.21	8.01
Na2O	0.02	0.01	0.93	7.19	5.65	10.91	3.26	0.03	0.05	2.11	3.86	4.02	0.05	0.15	0.03	0.16	0.02	0.06	4.47	2.84
K2O	0.01	0.02	4.93	8.84	6.59	0.05	8.57	0.41	0.03	2.96	10.94	1.84	0.04	0.05	0.02	0.04	0.02	0.03	4.55	2.18
P2O5	< 0.01	0.05	1.45	0.05	0.51	0.05	0.07	1.09	2.72	0.89	0.16	0.05	2.30	1.90	3.69	4.37	2.53	1.76	0.12	0.54
H2O(+)	1.13	0.56	1.62	2.36	2.06	0.52	0.63	0.32	0.80	1.62	1.02	0.68	1.20	0.45	0.57	0.34	0.44	0.32	0.38	2.36
H2O(-)	0.17	0.10	0.36	0.11	0.16	0.25	0.21	0.20	0.16	0.26	0.33	0.13	0.12	0.07	0.09	0.06	0.12	0.18	0.13	0.30
CO2	44.73	45.05	21.04	3.84	3.62	0.68	4.16	42.35	43.57	26.90	0.96	1.17	41.46	40.67	40.26	39.58	41.34	45.25	1.48	5.44
Sum	98.69	96.14	98.95	99.98	98.98	98.90	98.94	96.06	98.40	99.01	98.97	93.91	98.62	95.61	96.93	95.70	96.21	98.71	99.02	94.93
	Weight percentage																			
Q	0.27	0.29	2.23	—	—	5.01	8.49	1.64	0.25	—	—	34.75	—	—	0.15	1.05	—	0.27	25.57	—
C	0.04	0.07	0.20	—	—	0.80	—	0.45	0.08	—	1.34	6.58	—	—	—	0.04	—	0.06	0.61	10.84
or	—	—	26.01	52.56	39.13	0.30	50.49	—	—	15.01	65.87	11.51	—	0.26	0.11	—	—	—	26.86	13.30
ab	—	—	7.03	15.23	19.87	90.84	22.17	—	—	2.55	9.28	36.00	—	0.16	0.13	—	—	—	37.78	24.80
an	—	—	—	—	—	—	—	—	—	—	—	0.80	—	—	—	—	—	—	—	3.68
lc	—	—	—	—	—	—	—	—	—	—	—	—	0.17	—	—	—	0.08	—	—	—
ne	—	—	—	20.12	12.49	—	—	—	—	4.97	13.00	—	0.17	—	—	—	0.02	—	—	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	—	—	—	0.33	4.50	—	4.70	—	—	2.24	—	—	0.06	0.85	0.09	—	0.10	—	—	—
ns	—	—	—	—	—	—	—	—	—	0.25	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	—	—	1.63	—	1.56	—	1.90	—	—	—	0.30	1.11	0.23	1.19	0.80	—	0.12	—	1.84	2.20
hm	3.91	0.46	—	0.12	—	1.02	—	0.72	0.56	—	—	3.59	—	—	—	0.97	—	0.34	—	—
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	0.41	—	—	—	—	0.31	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.01	0.12	0.46	—	0.01	0.13	0.05	0.01	—	0.39	0.09	0.01	0.01	0.01	0.01	0.01	0.01	0.17	1.66
ap	0.02	0.10	3.00	0.12	1.19	0.12	0.16	2.27	5.66	1.77	0.38	0.12	4.83	3.92	7.61	9.31	5.32	3.62	0.28	1.29
wo-di	—	—	—	—	4.51	—	—	—	—	0.58	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	1.33	—	—	—	—	0.21	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	3.35	—	—	—	—	0.37	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	1.58	—	—	—	0.64	—	—	—	—	1.34	—	—	—	—	—	—	1.30	7.36
fs-hy	—	—	2.19	—	—	—	0.14	—	—	—	—	—	—	0.27	0.20	—	—	—	1.12	5.79
fo-ol	—	—	—	—	0.19	—	—	—	—	0.95	1.97	—	—	—	—	—	—	—	—	6.39
fa-ol	—	—	—	—	0.53	—	—	—	—	1.84	5.04	—	0.98	0.13	—	—	—	—	—	5.52
ca	57.38	59.85	55.53	3.98	10.60	0.13	8.89	55.60	56.02	68.31	0.95	3.07	56.79	59.73	54.19	51.65	57.79	58.08	2.47	15.87
ma	31.76	30.11	0.10	0.40	—	0.02	2.17	28.77	29.01	—	1.10	—	33.59	26.59	28.94	29.65	31.90	30.25	0.72	—
sd	5.77	7.76	—	4.44	—	1.11	—	8.84	7.27	—	—	—	2.31	6.16	6.88	6.23	3.81	6.13	—	—
sr	0.80	1.31	0.38	0.53	0.35	0.04	0.12	1.07	1.02	0.65	0.40	0.95	0.87	0.73	0.92	0.79	0.85	1.11	1.28	1.31
Na2CO3	0.03	0.02	—	1.71	—	0.62	—	0.05	0.08	—	—	—	—	—	—	0.25	—	0.09	—	—
K2CO3	0.01	0.03	—	—	—	—	—	0.54	0.04	—	—	—	—	—	—	0.05	—	0.04	—	—

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（6）

No.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Sample No.	Lb00	La200	Lb605	Lb615	Lb700	Lb715	Lb800	Lc615	Lc700	Lc715	Lc800	M220	M710	Mb600	Mb615	Mb700	Mc600	Mc615	Mc700	Mc715
Rock code	Mcb2	Msp	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcs	Mcb2	Mcb2	Mcb2	Mcd	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2
	Weight percentage																			
SiO2	0.53	53.13	0.36	0.42	0.76	1.24	0.32	1.02	0.62	3.30	4.58	0.43	0.78	1.30	1.24	2.04	0.30	5.40	0.34	1.20
TiO2	0.01	0.32	0.01	< 0.01	0.01	0.01	< 0.01	0.02	< 0.01	0.13	0.01	0.01	0.03	0.01	< 0.01	0.01	< 0.01	0.03	< 0.01	0.01
Al2O3	0.01	20.72	0.07	0.06	0.03	0.04	0.01	0.06	0.05	1.14	1.34	0.01	0.01	0.43	0.22	0.40	0.08	0.94	0.11	0.07
Fe2O3	0.61	0.20	1.22	0.87	1.72	3.39	0.85	2.01	1.67	5.84	1.26	2.00	3.09	2.26	3.72	1.90	0.31	1.48	0.03	1.19
FeO	2.84	1.67	3.75	3.45	4.35	2.89	3.19	1.33	2.99	5.45	3.65	6.87	3.87	4.22	2.11	2.69	2.96	3.82	2.79	3.25
MnO	0.80	0.06	0.95	0.81	0.97	0.82	0.89	0.79	0.97	1.88	0.98	1.32	0.66	1.03	1.01	1.03	0.83	0.75	0.79	0.95
MgO	15.53	0.36	13.33	15.87	16.44	15.87	17.60	2.45	15.49	11.14	14.76	3.96	16.03	16.16	17.52	17.36	18.07	17.34	16.54	16.83
CaO	31.55	2.84	30.89	29.54	28.05	27.33	28.53	44.85	28.76	27.66	28.54	39.17	29.13	28.00	26.31	27.46	28.91	24.86	30.48	28.75
Na2O	0.06	6.00	0.07	0.06	0.04	0.09	0.07	0.19	0.09	0.40	0.47	0.04	0.24	0.06	0.05	0.04	0.02	0.24	0.04	0.03
K2O	0.01	7.20	0.02	0.07	0.01	0.03	0.02	0.06	0.02	0.08	0.07	0.29	0.10	0.27	0.24	0.20	0.05	0.97	0.05	0.06
P2O5	7.31	0.15	4.58	1.68	1.01	1.30	0.39	0.93	2.72	0.48	3.62	0.14	2.89	< 0.01	0.95	2.67	0.63	0.78	2.98	0.90
H2O(+)	1.36	3.78	0.96	1.24	0.29	0.93	0.92	0.65	1.00	1.00	0.81	1.14	0.52	0.19	0.57	1.05	0.59	0.45	0.38	0.88
H2O(-)	0.21	0.10	0.06	0.04	0.39	0.25	0.04	0.21	0.06	0.26	0.05	0.14	0.45	0.30	0.33	0.19	0.17	0.21	0.38	0.29
CO2	37.46	2.88	37.68	42.33	43.83	41.35	42.88	39.51	41.82	37.71	38.17	41.64	41.80	40.87	42.60	40.33	43.49	36.13	41.33	43.63
Sum	98.29	99.41	93.95	96.45	97.90	95.54	95.72	94.08	96.27	96.47	98.31	97.16	99.60	95.11	96.88	97.37	96.42	93.40	96.25	98.04
	Weight percentage																			
Q	0.49	—	0.33	0.38	0.67	1.14	—	0.86	0.57	0.60	3.15	0.36	0.69	—	1.12	0.93	—	—	—	1.05
C	0.01	3.14	0.07	0.05	0.03	0.04	—	0.05	0.05	0.35	0.93	0.01	0.01	0.04	0.20	0.11	—	—	—	0.06
or	—	43.75	—	—	—	—	—	—	—	0.42	0.37	—	—	—	—	1.05	—	—	—	—
ab	—	30.30	—	—	—	—	—	—	—	3.02	1.00	—	—	—	—	0.30	—	—	—	—
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
lc	—	—	—	—	—	—	0.04	—	—	—	—	—	—	1.14	—	—	0.21	—	0.21	—
ne	—	11.87	—	—	—	—	—	—	—	—	—	—	—	0.25	—	—	0.06	—	0.14	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.52	—	—
ac	—	—	—	—	—	—	0.47	—	—	—	—	—	—	—	—	—	0.03	1.64	0.04	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	0.02	—	—	—	—	—	—	—	—	—	—	0.15	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	—	0.30	—	—	—	—	0.88	—	—	1.32	—	—	—	2.98	—	1.95	0.39	1.15	0.02	—
hm	0.56	—	1.13	0.78	1.53	3.11	—	1.70	1.54	4.31	1.12	1.69	2.73	—	3.36	0.35	—	—	—	1.04
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.33	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.12	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.03	0.01	0.01
ap	15.59	0.36	9.82	3.50	2.07	2.77	0.82	1.82	5.81	0.99	7.45	0.28	5.91	0.02	1.99	5.50	1.30	1.66	6.13	1.82
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fo-ol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.53	—	—
fa-ol	—	1.51	—	—	—	—	0.06	—	—	—	—	—	—	1.51	—	—	0.37	6.18	0.37	—
ca	47.14	6.35	53.73	57.33	55.34	54.99	59.42	86.06	54.24	56.42	49.31	77.17	52.18	59.48	52.90	49.72	58.27	51.12	55.08	56.22
ma	29.90	0.77	25.80	29.81	30.49	30.50	33.43	4.33	29.88	20.82	27.41	7.02	29.58	30.75	33.11	32.28	33.57	29.55	30.72	30.73
sd	6.19	1.16	8.03	7.07	8.71	6.30	3.92	3.31	6.74	11.35	7.59	12.82	7.38	2.67	5.21	5.00	2.26	—	4.80	6.77
sr	0.02	0.16	0.96	0.89	1.09	0.97	0.94	1.51	0.99	0.28	1.16	0.23	1.01	1.15	1.71	2.82	3.53	2.63	2.49	2.18
Na2CO3	0.09	—	0.11	0.09	0.06	0.14	—	0.27	0.14	—	0.51	0.06	0.36	—	0.08	—	—	—	—	0.05
K2CO3	0.01	—	0.03	0.09	0.01	0.04	—	0.07	0.03	—	—	0.36	0.13	—	0.32	—	—	—	—	0.08

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（７）

No.	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
Sample No.	Mc800	N220	Na700	Nc600	Nc620	O600	P100	T 5A	T 7A	T 9A	T 11A	T 13A	1- 20	1- 30	1- 45	1- 60	1-120	1-130	1-140	1-150
Rock code	Mcb2	Msp	Msw	Mcb2	Mcb2	Msw	Msw	Mcb1	Msp	Mcs	Msu	Mcs	Mcb1	Mcb1	Mcb1	Nsh	Msu	Msu	Msu	Msu
	Weight percentage																			
SiO2	2.88	47.28	52.74	0.44	17.94	65.01	50.29	0.03	57.24	9.13	61.15	4.54	4.34	3.28	0.92	17.53	2.00	30.40	10.95	8.22
TiO2	0.04	0.70	0.45	0.01	1.04	0.07	0.46	0.01	0.03	0.08	0.12	0.02	0.04	0.02	< 0.01	1.33	0.37	2.13	1.78	0.61
Al2O3	0.94	16.06	20.30	0.10	5.91	18.20	22.09	0.04	15.34	2.68	14.67	0.03	1.22	0.89	0.14	10.69	1.29	14.50	5.22	4.48
Fe2O3	1.48	4.52	1.83	5.56	1.66	0.47	1.70	3.12	1.06	0.54	2.16	1.46	1.44	1.24	1.64	4.30	1.34	4.09	1.48	1.66
FeO	3.79	1.87	1.39	4.25	8.04	0.13	1.58	3.30	0.20	0.60	0.64	0.52	5.56	5.25	5.58	9.80	1.69	2.52	5.45	3.32
MnO	1.04	0.12	0.14	1.58	0.76	0.06	0.13	0.79	0.17	0.16	0.07	0.40	1.24	1.10	1.33	1.15	0.61	0.06	0.25	0.46
MgO	13.56	0.49	0.28	11.81	8.32	0.03	0.13	19.24	0.25	0.25	0.48	1.56	15.71	16.51	16.22	10.73	0.54	1.18	1.12	0.77
CaO	29.16	5.64	2.15	28.69	20.64	1.22	1.43	28.90	4.23	45.72	2.53	49.89	25.55	25.50	27.87	14.76	45.43	15.34	41.84	37.82
Na2O	0.19	9.90	8.79	0.05	0.69	9.13	11.23	0.09	1.05	1.13	3.45	0.77	0.03	0.06	0.03	0.06	0.16	0.17	0.03	0.05
K2O	0.25	4.63	5.72	0.01	3.52	2.80	5.20	0.03	12.99	0.99	11.76	0.18	0.72	0.60	0.05	2.07	0.03	8.48	1.32	1.17
P2O5	0.20	0.56	0.21	2.94	2.34	0.44	0.14	0.04	0.13	0.02	0.08	1.78	1.39	0.55	< 0.01	3.95	3.54	12.54	6.99	2.84
H2O(+)	0.34	3.62	3.04	0.61	0.90	0.90	1.50	0.37	0.91	0.37	0.58	0.42	1.00	0.74	0.11	3.85	0.81	2.25	2.28	2.34
H2O(-)	0.44	0.25	0.19	0.29	0.30	0.33	0.24	0.07	0.07	0.07	0.06	0.18	0.16	0.24	0.23	0.49	0.19	0.65	0.42	0.26
CO2	40.08	3.98	2.38	41.06	23.26	1.26	3.78	41.72	4.85	37.06	1.66	35.58	39.02	41.25	44.28	16.72	36.16	0.50	19.58	31.32
Sum	94.39	99.62	99.61	97.40	95.32	100.05	99.90	97.75	98.52	98.80	99.41	97.33	97.42	97.23	98.42	97.43	94.16	94.81	98.71	95.32
	Weight percentage																			
Q	—	—	—	0.40	—	6.21	—	—	10.84	0.67	2.98	—	—	0.07	0.80	—	1.74	—	—	7.32
C	0.32	—	—	0.09	0.91	1.57	1.64	—	2.22	0.27	—	—	0.35	0.13	0.12	8.41	1.12	—	—	3.99
or	1.31	27.74	34.60	—	17.31	16.68	30.93	—	71.72	4.70	69.52	—	3.79	3.13	—	12.32	—	—	—	—
ab	1.43	15.93	29.89	—	—	70.58	28.34	—	—	5.27	9.99	—	0.23	0.45	—	0.51	—	—	—	—
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17.10	9.68	—
lc	—	—	—	—	1.75	—	—	0.13	—	—	—	0.11	—	—	—	—	—	44.88	5.80	—
ne	—	22.59	24.04	—	2.97	—	26.27	0.02	—	—	—	—	—	—	—	—	—	0.97	0.13	—
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.88	—	—
ac	—	13.26	1.63	—	—	—	—	0.58	—	—	6.25	3.49	—	—	—	—	—	—	—	—
ns	—	2.86	—	—	—	—	—	—	—	—	2.82	0.33	—	—	—	—	—	—	—	—
ks	—	—	—	—	—	—	—	—	—	—	—	0.21	—	—	—	—	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	3.11	—	—	—	—	—	20.21	6.66	—
mt	1.91	—	1.90	—	2.26	—	—	3.83	—	—	—	—	1.86	1.59	—	6.28	—	7.37	2.04	—
hm	—	—	—	5.10	—	0.47	1.71	—	1.06	0.43	—	—	—	—	1.43	—	1.16	—	—	1.48
tn	—	—	—	—	—	—	—	—	—	—	0.30	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	0.03	—	—	—	—	—	4.51	2.87	—
ru	0.04	0.71	0.46	0.01	0.98	0.07	0.46	0.01	0.03	0.06	—	—	0.04	0.02	0.01	1.34	0.32	—	—	0.54
ap	0.41	1.32	0.50	6.24	5.09	1.03	0.33	0.08	0.30	0.04	0.19	3.41	2.87	1.13	0.02	9.21	7.12	—	15.36	5.86
wo-di	—	—	—	—	—	—	—	—	—	—	0.49	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	0.23	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	0.25	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	0.97	—	—	—	—	3.94	—	—	—	—
fs-hy	1.41	—	—	—	—	—	—	—	—	—	1.06	—	2.43	1.08	—	10.43	—	—	—	—
fo-ol	—	0.73	—	—	0.50	—	—	—	—	—	—	0.97	—	—	—	1.69	—	—	0.42	—
fa-ol	0.26	2.87	0.03	—	10.78	—	—	—	—	—	—	0.47	0.47	—	—	4.92	—	—	1.52	—
ca	59.92	11.61	4.48	53.15	38.54	1.51	2.93	61.37	9.49	85.77	4.92	87.13	49.30	51.13	56.57	22.48	82.68	1.41	54.85	70.95
ma	25.18	0.17	0.60	22.65	15.75	0.06	0.27	32.78	0.52	0.42	—	—	29.24	30.51	29.49	17.27	0.98	—	—	1.44
sd	5.09	—	1.78	9.87	—	0.35	3.18	—	0.68	1.13	—	—	7.08	8.39	11.09	—	3.69	—	—	6.22
sr	2.73	0.22	0.10	2.39	3.15	—	0.14	1.21	0.06	0.75	0.04	0.76	2.36	2.39	0.36	1.22	0.91	0.68	0.67	0.59
Na2CO3	—	—	—	0.08	—	1.47	3.81	—	1.80	0.49	—	—	—	—	0.05	—	0.24	—	—	0.08
K2CO3	—	—	—	0.01	—	—	—	—	1.27	—	—	—	—	—	0.06	—	0.04	—	—	1.53

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（8）

No.	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
Sample No.	2- 20	2- 30	2-40	2- 50	2- 60	2- 65	2- 70	2- 75	3- 20	3- 30	3- 40	3- 60	3- 80	3-100	3-120	3-140	4- 20	4- 30	4- 40	4- 60
Rock code	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl	Mcbl
	Weight percentage																			
SiO2	0.44	2.80	24.76	16.04	6.24	2.58	5.87	1.87	0.97	0.12	1.00	0.78	0.28	2.54	0.32	1.19	10.49	5.25	0.08	0.28
TiO2	0.01	0.06	0.23	0.12	0.04	< 0.01	0.13	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.14	0.18	< 0.01	< 0.01
Al2O3	0.10	0.92	9.27	5.00	1.84	0.73	1.90	0.61	0.02	0.05	0.07	0.06	0.03	0.08	0.05	0.05	2.14	1.31	0.03	0.03
Fe2O3	3.60	7.23	5.18	4.87	4.31	26.67	6.29	5.37	0.82	2.44	2.71	1.92	1.10	5.54	4.39	1.56	0.77	0.37	0.17	0.68
FeO	1.79	1.29	2.45	1.96	1.53	0.20	1.78	1.63	2.32	4.40	3.31	2.44	3.36	2.10	1.72	2.55	6.28	6.33	4.14	3.27
MnO	1.05	1.47	0.64	0.81	0.19	0.19	1.20	1.01	0.83	1.06	0.97	0.80	0.79	1.01	0.97	0.90	0.61	0.79	0.81	0.80
MgO	17.10	15.01	21.44	20.07	17.78	0.88	18.99	17.99	19.04	18.12	18.57	19.55	19.77	18.42	18.70	18.89	18.55	18.61	18.47	18.56
CaO	27.80	27.47	10.29	16.92	24.83	31.04	22.96	26.58	28.39	27.37	26.17	28.15	28.74	25.66	27.35	26.53	19.73	21.93	27.07	27.54
Na2O	0.02	0.05	0.25	0.18	0.06	0.01	0.11	0.04	0.01	0.02	0.02	0.01	0.01	0.04	0.01	0.01	0.12	0.04	0.01	0.05
K2O	0.04	0.56	8.01	3.45	1.34	0.01	1.18	0.31	0.01	0.02	0.10	0.14	0.05	0.34	0.05	< 0.01	2.09	0.88	0.01	< 0.01
P2O5	1.36	5.88	0.44	1.02	0.71	< 0.01	0.34	1.61	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	2.30	< 0.01	< 0.01	< 0.01
H2O(+)	0.55	0.46	1.17	0.91	0.91	5.65	1.49	1.06	0.68	1.19	0.36	0.34	0.37	0.81	0.40	0.42	0.58	0.50	0.15	0.04
H2O(-)	0.51	0.32	0.19	0.47	0.46	1.37	0.10	0.11	0.08	0.08	0.07	0.05	0.06	0.06	0.06	0.04	0.07	0.10	0.03	0.04
CO2	42.86	32.36	14.07	26.34	35.55	26.86	36.21	38.70	44.75	43.55	42.51	43.62	43.97	41.27	42.62	42.52	29.87	37.99	44.78	43.59
Sum	97.23	95.88	98.39	98.16	95.79	96.21	98.55	96.90	97.94	98.44	95.88	97.88	98.55	97.89	96.66	94.69	93.74	94.29	95.77	94.91
	Weight percentage																			
Q	0.40	0.34	–	–	–	2.45	–	–	0.00	–	–	–	–	1.71	0.03	–	–	–	0.07	–
C	0.09	0.22	0.18	0.91	0.27	0.69	0.40	0.19	–	–	–	–	–	–	–	0.02	–	0.27	0.03	–
or	–	3.08	–	4.94	3.24	–	3.65	1.66	0.05	–	–	–	–	0.39	0.24	0.05	–	0.63	–	–
ab	–	0.39	–	–	–	–	–	0.30	0.04	–	–	–	–	–	–	0.08	–	–	–	–
an	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
lc	–	–	–	11.17	3.18	–	2.09	–	–	0.08	0.27	0.23	0.12	–	–	–	–	3.33	–	0.04
ne	–	–	1.06	0.78	0.25	–	0.46	0.00	–	0.07	–	–	–	–	–	–	–	0.17	–	0.05
kp	–	–	28.55	–	–	–	–	–	–	–	–	–	–	–	–	–	6.28	–	–	–
ac	–	–	–	–	–	–	–	–	0.03	0.02	0.13	0.07	0.07	0.26	0.07	–	0.84	–	–	0.26
ns	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ks	–	–	–	–	–	–	–	–	–	–	0.05	0.12	0.03	0.39	0.01	–	0.17	–	–	–
cs	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
mt	–	7.72	6.97	6.64	5.18	–	8.26	7.04	1.02	3.11	3.40	2.43	1.40	6.08	5.62	2.05	0.62	0.50	–	0.76
hm	3.25	1.41	–	–	0.40	25.34	–	–	–	–	–	–	–	0.63	–	–	–	–	0.15	–
tn	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
pf	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ru	0.01	0.06	0.21	0.11	0.04	0.01	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.13	0.17	0.01	0.01
ap	2.85	12.69	0.95	2.22	1.52	0.02	0.71	3.37	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	4.98	0.02	0.02	0.02
wo-di	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
en-di	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
fs-di	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
en-hy	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
fs-hy	–	–	–	–	–	–	–	–	1.66	–	–	–	–	–	0.14	1.73	–	–	–	–
fo-ol	–	–	32.79	12.11	4.20	–	3.60	0.73	–	–	–	0.15	0.07	–	–	–	7.74	–	–	–
fa-ol	–	–	1.35	0.81	–	–	0.24	0.33	–	0.07	2.18	1.41	0.38	–	–	0.67	12.31	8.76	–	0.25
ca	54.92	42.94	21.04	34.23	51.47	68.86	47.61	51.69	57.45	56.41	53.94	58.11	60.16	53.09	56.69	56.15	36.43	47.99	56.17	58.34
ma	32.33	29.26	11.17	24.98	29.26	1.75	31.65	33.16	34.52	33.46	34.29	35.76	36.10	34.14	34.72	35.81	29.54	36.49	34.33	35.22
sd	4.74	0.38	–	–	–	0.68	–	–	2.80	4.70	2.22	–	–	1.65	1.09	2.02	–	0.67	8.12	3.91
sr	1.32	1.51	0.71	1.10	0.99	0.17	1.22	1.52	2.40	2.05	3.49	1.71	1.66	1.64	1.37	1.40	1.07	0.99	1.07	1.13
Na2CO3	0.03	–	–	–	–	0.02	–	–	–	–	–	–	–	–	–	–	–	–	0.02	–
K2CO3	0.05	–	–	–	–	0.01	–	–	–	–	–	–	–	–	–	–	–	–	0.01	–

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（9）

No.	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Sample No.	4- 80	4-100	4-120	4-140	5- 30	5- 40	5- 50	5- 60	5- 70	5- 80	5- 90	5-100	6- 10	6- 30	6- 50	6- 70	6- 90	6-110	6-129	6-150
Rock code	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb1	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Msu
	Weight percentage																			
SiO2	0.22	0.10	< 0.01	0.16	5.27	8.28	12.72	10.95	9.11	1.86	0.18	2.25	1.00	1.35	3.05	12.21	2.41	3.04	2.46	8.33
TiO2	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.03	0.02	0.02	0.02	0.07	< 0.01	0.01	< 0.01	< 0.01	0.01	0.02	< 0.01	0.02	0.06	0.19
Al2O3	0.03	0.02	0.02	0.01	1.34	2.24	3.59	2.60	1.95	0.31	0.04	0.78	0.04	0.48	0.71	3.08	0.43	0.29	0.46	3.36
Fe2O3	0.08	0.24	0.55	0.96	3.03	1.78	2.16	2.90	2.70	1.96	1.76	1.66	0.29	0.97	0.50	3.06	0.26	0.56	0.24	0.68
FeO	3.44	4.04	4.29	4.78	3.00	2.98	4.19	3.90	3.60	3.78	4.13	3.79	3.61	5.39	3.45	3.33	4.26	3.99	2.83	2.75
MnO	0.79	0.84	0.94	0.88	0.97	0.94	0.75	0.77	0.72	0.94	0.89	0.84	0.82	0.88	0.91	0.69	1.05	0.90	0.48	0.76
MgO	19.10	19.25	19.00	20.26	21.64	21.59	23.05	21.22	21.84	20.20	19.87	18.95	17.41	17.38	19.19	18.11	20.40	16.83	2.66	2.65
CaO	26.77	27.58	27.82	26.29	23.13	22.46	18.72	20.51	21.07	26.03	26.92	26.09	29.06	26.78	25.82	19.04	24.43	27.91	45.85	38.51
Na2O	0.03	0.02	0.02	< 0.01	0.10	0.09	0.14	0.08	0.03	0.01	0.01	0.01	0.05	0.08	0.03	0.15	0.06	0.24	0.15	0.57
K2O	0.01	< 0.01	< 0.01	< 0.01	0.62	1.30	1.97	1.42	1.11	0.01	< 0.01	0.07	0.04	0.25	0.59	1.69	0.43	0.18	0.34	1.20
P2O5	< 0.01	< 0.01	< 0.01	< 0.01	0.03	1.03	0.39	0.30	< 0.01	< 0.01	< 0.01	1.10	2.87	< 0.01	0.92	0.11	4.93	1.59	3.55	1.16
H2O(+)	0.18	0.01	0.10	0.24	0.65	0.91	1.41	1.26	1.33	0.15	0.15	0.01	0.16	0.49	0.62	1.43	0.22	0.20	0.12	0.64
H2O(-)	0.03	0.01	0.02	0.02	0.08	0.06	0.22	0.21	0.17	0.16	0.05	0.01	0.08	0.06	0.08	0.13	0.04	0.03	0.10	0.08
CO2	44.36	45.01	43.71	44.03	38.15	33.81	28.21	30.74	33.94	41.74	43.51	38.88	39.50	42.18	41.75	36.00	37.15	39.16	39.12	32.54
Sum	95.06	97.15	96.51	97.67	98.02	97.50	97.54	96.88	97.60	97.23	97.54	94.45	94.94	96.31	97.63	99.05	96.08	94.94	98.42	93.42
	Weight percentage																			
Q	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.76	—	—	2.01	—
C	—	—	—	—	0.44	0.60	1.06	0.80	0.65	0.25	0.01	0.64	—	0.07	0.02	0.92	—	—	0.38	0.97
or	—	—	—	—	—	—	—	—	1.60	—	—	—	—	—	1.45	9.13	—	—	—	6.14
ab	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.16	—	—	—	2.36
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
lc	0.04	0.04	0.04	0.04	—	—	—	—	3.49	0.04	0.04	0.30	0.16	1.05	1.29	—	1.74	0.76	—	—
ne	0.05	0.02	0.02	—	0.40	0.36	0.56	0.32	0.13	0.04	0.04	0.04	—	0.33	0.12	—	—	0.24	—	0.99
kp	—	—	—	—	6.08	10.36	17.85	13.04	—	—	—	—	—	—	—	—	—	—	—	—
ac	0.12	0.10	0.10	0.07	—	—	—	—	—	—	—	—	0.35	—	—	—	0.42	1.23	—	—
ns	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ks	—	—	—	0.00	—	—	—	—	—	—	—	—	0.01	—	—	—	0.05	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	0.04	0.26	0.68	1.23	3.82	2.25	2.71	3.62	3.61	2.56	2.32	2.23	0.22	1.27	0.64	4.06	0.15	0.12	—	0.85
hm	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	—
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.02	0.02	0.06	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.05	0.17
ap	0.02	0.02	0.02	0.02	0.06	2.08	0.78	0.60	0.02	0.02	0.02	2.36	6.16	0.02	1.89	0.23	10.82	3.34	6.71	2.33
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.50	—	—	—	—
fo-ol	—	—	—	—	8.83	14.68	25.45	20.87	9.77	1.12	—	1.66	—	—	—	—	—	0.07	—	0.05
fa-ol	0.31	0.02	—	0.30	5.30	6.19	7.86	7.46	4.10	3.89	0.41	4.01	2.21	1.69	3.38	—	3.64	5.28	—	3.95
ca	56.30	57.16	59.35	55.90	46.91	43.01	36.82	40.46	45.37	54.68	57.09	53.36	54.73	56.51	50.92	40.35	39.71	54.71	78.52	74.82
ma	35.98	35.74	36.31	38.59	32.89	28.36	22.71	24.32	30.42	36.31	37.75	34.20	33.75	32.85	35.55	34.63	40.44	31.84	4.54	4.74
sd	5.96	5.47	2.42	2.82	—	—	—	—	—	—	1.12	—	0.65	5.37	2.39	2.99	0.82	—	4.99	—
sr	1.18	1.16	1.05	1.03	1.15	1.12	0.91	0.84	0.83	1.03	1.19	1.19	1.77	0.83	2.35	1.25	2.20	2.40	1.99	2.63
Na2CO3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.21	—
K2CO3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.41	—

B－2　オレンジ地域全岩化学分析・ノルム分析結果一覧表（１０）

No.	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
Sample No.	7- 10	7- 30	7- 50	7- 70	7- 90	7-110	7-130	7-150	8- 25	8- 50	8- 67	8- 80	8- 90	8-100	8-120	8-137
Rock code	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Nsh	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2	Mcb2
	Weight percentage															
SiO2	0.42	1.55	1.03	1.02	0.10	0.02	0.46	1.56	0.28	35.97	0.90	0.81	8.45	0.85	0.22	1.24
TiO2	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.19	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01
Al2O3	0.07	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.12	3.97	0.03	0.03	1.55	0.02	0.02	0.38
Fe2O3	0.57	1.16	0.36	0.15	0.06	0.02	0.01	0.26	0.31	5.11	0.12	0.45	0.19	0.41	0.28	0.33
FeO	4.44	3.88	3.07	3.31	3.28	3.78	3.99	4.09	4.57	4.60	3.39	1.15	4.40	5.00	3.80	3.95
MnO	0.95	0.88	0.78	0.82	0.88	1.01	0.91	0.88	1.04	0.15	0.94	0.69	0.71	0.86	1.05	0.88
MgO	17.22	17.05	16.91	17.08	17.48	18.94	15.71	16.12	17.58	19.82	17.66	16.80	18.11	16.71	18.94	17.68
CaO	29.71	28.56	30.00	30.50	30.60	28.87	30.19	28.43	28.14	2.66	29.30	30.10	24.82	29.72	29.90	29.51
Na2O	0.09	0.05	0.14	0.13	0.02	0.02	0.06	0.11	0.02	4.22	0.09	0.06	0.23	0.03	0.01	0.03
K2O	< 0.01	0.34	0.05	0.05	0.01	0.01	0.02	0.03	0.04	4.23	0.02	0.02	1.32	0.01	< 0.01	0.07
P2O5	1.43	2.74	4.42	3.86	3.35	0.31	5.14	3.52	0.18	1.19	2.33	2.87	4.43	4.06	0.32	2.34
H2O(+)	0.19	0.56	0.91	0.57	0.65	0.32	0.04	0.07	0.03	0.02	0.31	0.01	0.12	0.33	0.15	0.14
H2O(-)	0.03	0.05	0.05	0.05	0.04	0.04	0.10	0.20	0.04	0.10	0.06	0.02	0.09	0.05	0.05	0.09
CO2	34.92	41.83	38.67	38.73	39.20	40.95	42.19	38.99	43.54	2.51	41.68	40.38	31.67	35.58	44.05	41.33
Sum	90.06	98.70	96.43	96.31	95.70	94.32	98.86	94.29	95.90	84.74	96.84	93.40	96.13	93.64	98.81	97.98
	Weight percentage															
Q	—	1.36	—	—	—	—	0.42	0.08	—	—	—	0.45	—	—	—	—
C	—	0.03	—	—	—	—	0.03	—	0.04	—	—	—	—	—	—	0.23
or	—	—	—	—	—	—	—	0.10	—	3.93	—	0.11	0.77	—	—	—
ab	—	—	—	—	—	—	—	—	—	—	—	0.04	—	—	—	—
an	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
lc	0.05	—	0.12	0.12	0.04	0.05	—	—	0.17	16.85	0.08	—	5.10	0.05	0.04	0.29
ne	0.17	—	—	—	0.02	0.03	—	—	0.08	—	0.02	—	0.32	0.03	0.02	0.12
kp	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ac	0.42	—	0.96	0.40	0.10	0.06	—	0.69	—	17.33	0.31	0.38	0.51	0.18	0.03	—
ns	—	—	0.00	0.13	—	0.01	—	0.02	—	5.16	0.07	—	0.15	—	—	—
ks	—	—	0.03	0.03	—	—	—	0.02	—	1.08	—	—	—	—	—	—
cs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
mt	0.65	—	—	—	0.03	—	—	—	0.40	—	—	0.14	—	0.50	0.35	0.42
hm	—	1.02	—	—	—	—	0.01	—	—	—	—	0.19	—	—	—	—
tn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
pf	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ru	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.22	0.01	0.01	0.04	0.01	0.01	0.01
ap	3.47	5.58	9.42	8.29	7.34	0.69	10.76	7.46	0.37	3.23	4.81	6.09	9.56	9.26	0.67	4.80
wo-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-di	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
en-hy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
fs-hy	—	—	—	—	—	—	—	1.99	—	—	—	—	—	—	—	—
fo-ol	0.18	—	—	0.08	0.00	—	—	—	—	37.50	—	—	4.87	0.62	0.01	—
fa-ol	0.14	—	1.25	1.88	0.02	—	—	—	0.42	7.93	1.86	—	6.78	1.49	0.49	2.98
ca	68.07	51.27	51.94	55.01	57.83	64.05	49.43	50.86	58.51	2.99	54.64	56.29	41.33	56.03	61.75	54.64
ma	25.81	31.37	32.53	32.82	33.18	33.80	29.69	30.85	33.01	3.66	32.94	32.17	29.46	30.41	35.43	32.73
sd	—	7.73	2.66	—	—	—	8.18	6.41	5.70	—	3.97	3.03	—	—	—	2.66
sr	1.02	1.11	1.09	1.23	1.42	1.31	1.37	1.52	1.29	0.11	1.29	1.12	1.13	1.44	1.21	1.12
Na2CO3	—	0.08	—	—	—	—	0.09	—	—	—	—	—	—	—	—	—
K2CO3	—	0.44	—	—	—	—	0.03	—	—	—	—	—	—	—	—	—