

TABLE 8

	pyroxene quartz monzonite group													
	E64- 93	E64- 28	E65- 309A	E64- 356	E64- 8	E65- 446	S64- 261	S64- 44A	S64- 44	E65- 360	E65- 451	E65 384	S64- 127A	E65- 9
SiO ₂	57.6	59.1	59.3	60.0	61.0	62.7	63.1	63.1	63.1	64.1	66.0	67.4	68.4	68.7
Al ₂ O ₃	16.5	16.9	16.4	14.7	16.5	16.2	16.4	15.6	15.4	17.0	15.1	14.8	14.6	16.0
Fe ₂ O ₃	6.9	3.4	2.0	3.2	2.6	4.0	1.9	2.1	1.9	1.4	2.1	1.8	0.2	1.5
FeO	4.2	4.9	4.6	6.6	4.7	3.0	3.1	4.5	4.4	1.9	2.4	2.4	2.6	1.9
MgO	0.7	1.1	1.6	1.0	1.2	0.8	1.4	0.25	0.25	0.25	0.25	1.0	0.25	1.1
CaO	4.4	5.5	4.5	4.9	4.9	4.8	3.7	3.5	3.9	3.7	3.1	2.6	1.9	3.5
Na ₂ O	2.9	3.6	3.0	3.7	3.8	3.0	3.7	3.3	3.7	2.6	2.4	2.5	3.4	4.2
K ₂ O	4.80	3.10	2.89	3.12	4.00	3.26	4.40	5.10	4.31	5.14	4.89	5.34	5.70	2.65
TiO ₂	1.9	2.0	1.32	1.91	1.5	1.13	1.07	1.3	1.3	1.11	1.0	0.93	0.53	0.56
P ₂ O ₅	0.54	0.50	0.45	1.05	0.64	0.02	0.42	0.59	0.52	0.18	0.07	0.31	0.21	0.13
MnO	0.18	0.12	0.11	0.21	0.14	0.11	0.09	0.14	0.13	0.03	0.03	0.07	0.06	0.07
H ₂ O _{tot}	0.50	0.60	0.60	0.30	0.50	0.10	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.20
	101.1	100.8	96.8	100.7	101.5	99.1	99.7	99.9	99.3	97.8	97.7	99.6	98.2	100.5
Q	13.4	13.5	18.5	15.1	11.9	21.9	15.0	16.3	16.6	21.8	26.7	25.7	21.7	24.6
C	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	0.9	0.0	0.2
Or	28.2	18.3	17.8	18.4	23.4	19.5	26.2	30.3	25.8	31.2	29.7	31.9	34.4	15.6
Ab	24.4	30.4	26.4	31.2	31.8	25.6	31.5	28.1	31.6	22.6	20.9	21.3	29.4	35.4
An	17.7	20.7	20.2	14.2	16.0	21.3	15.2	12.7	12.8	17.6	15.3	11.0	7.9	16.5
Ne	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Di	0.4	1.3	0.0	0.8	1.5	1.7	0.2	0.1	0.4	0.0	0.0	0.0	0.0	0.0
He	0.0	1.3	0.0	1.9	1.8	0.4	0.2	0.6	2.5	0.0	0.0	0.0	0.2	0.0
En	1.6	2.1	4.1	2.1	2.3	1.2	3.4	0.6	0.4	0.6	0.6	2.5	0.6	2.7
Fs	0.0	2.4	5.0	5.7	3.3	0.3	2.5	4.3	3.3	0.6	1.1	1.5	3.8	1.4
Fo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mt	8.6	4.9	3.0	4.6	3.7	5.9	2.8	3.1	2.8	2.1	3.1	2.6	0.3	2.2
Il	3.6	3.8	2.6	3.6	2.8	2.2	2.0	2.5	2.5	2.2	2.0	1.8	1.0	1.1
Hm	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ap	1.2	1.2	1.1	2.4	1.5	0.0	1.0	1.4	1.2	0.4	0.2	0.7	0.5	0.3
	100.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	99.9	99.8	100.0

	pyroxene monzodiorite group						
	E65- 3	S64- 163	E64- 279	S64- 227A	E64- 215	E64- 226A	E65- 98A
40.4	46.1	46.2	46.4	48.9	51.6	53.1	
14.7	17.8	17.6	18.1	15.9	15.4	12.4	
6.1	5.5	4.7	7.9	5.1	7.3	5.8	
12.8	9.3	9.8	7.2	8.3	6.1	7.5	
5.5	3.8	3.5	2.6	1.6	1.0	2.9	
10.9	9.4	9.4	9.4	9.4	7.3	8.0	
2.4	3.9	3.4	3.6	3.6	2.6	1.9	
0.34	0.73	0.86	1.30	1.10	2.80	0.76	
3.51	3.3	3.0	2.9	3.2	2.5	5.18	
2.40	1.54	1.40	1.46	1.54	1.25	0.14	
0.26	0.24	0.27	0.14	0.19	0.19	0.13	
0.20	0.20	0.40	0.50	0.20	0.60	0.40	
99.5	101.8	100.5	101.5	99.0	98.6	98.2	
0.0	0.0	0.0	1.2	5.6	13.1	21.6	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.0	4.2	5.1	7.6	6.6	16.9	4.6	
20.4	32.5	28.7	30.2	30.8	22.4	16.4	
28.5	28.4	30.2	29.1	24.3	22.5	23.6	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.5	3.6	3.1	4.7	4.6	3.3	11.7	
3.8	2.5	3.0	1.4	6.1	1.6	0.9	
5.0	2.3	5.3	4.2	1.9	1.0	2.0	
4.8	1.8	5.9	1.4	2.9	0.6	0.2	
4.7	3.7	1.4	0.0	0.0	0.0	0.0	
5.0	3.3	1.7	0.0	0.0	0.0	0.0	
8.9	7.8	6.8	11.4	7.5	10.8	8.6	
6.7	6.2	5.7	5.5	6.1	4.8	10.1	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.6	3.5	3.2	3.4	3.6	3.0	0.3	
99.9	99.8	100.1	100.1	100.0	100.0	100.0	

	metabasic dykes				
	E65 26A	E65 239	E65 237A	E65 437	E65 433A
SiO ₂	46.9	47.3	48.3	49.2	49.7
Al ₂ O ₃	19.9	20.6	18.3	6.1	9.9
Fe ₂ O ₃	1.9	0.9	0.5	1.0	0.6
FeO	8.2	5.4	5.4	10.5	8.1
MgO	8.5	9.3	9.5	11.6	9.5
CaO	11.1	9.6	12.0	15.4	14.8
Na ₂ O	2.0	1.9	1.4	0.8	1.6
K ₂ O	0.04	0.15	0.09	0.08	0.16
TiO ₂	0.86	0.15	0.29	1.69	0.88
P ₂ O ₅	0.05	0.01	0.01	0.01	0.02
MnO	0.17	0.11	0.11	0.22	0.16
H ₂ O	0.40	0.50	0.30	0.40	0.40
	100.0	95.9	96.2	97.4	95.8
Q	0.0	0.0	0.0	0.4	0.0
C	0.0	0.0	0.0	0.0	0.0
Or	0.2	0.9	0.6	0.5	1.0
Ab	17.0	16.8	12.4	7.0	14.2
An	45.4	49.5	45.2	13.3	20.3
Ne	0.0	0.0	0.0	0.0	0.0
Di	5.2	0.2	10.1	36.0	30.9
He	2.6	0.1	3.4	17.4	15.0
En	7.8	16.6	18.0	13.2	9.5
Fs	4.5	6.5	7.0	7.4	5.3
Fo	7.8	5.3	1.4	0.0	0.7
Fa	5.0	2.3	0.6	0.0	0.4
Mt	2.8	1.4	0.8	1.5	0.9
Il	1.6	0.3	0.6	3.3	1.8
Hm	0.0	0.0	0.0	0.0	0.0
Ap	0.1	0.0	0.0	0.0	0.0
	100.0	99.9	100.1	100.0	100.0

	oxide-rich dykes							
	E65 429	E64 187A	E65 29	E65 262	S64 31	E65 92A	E65 293	E65 97A
40.0	42.4	42.7	44.2	45.1	45.1	45.8	55.0	
12.6	15.0	14.6	16.4	16.5	16.0	8.3	15.0	
8.7	8.4	8.1	7.3	4.7	4.2	3.2	2.9	
10.2	10.1	9.3	8.2	10.3	9.6	12.1	7.3	
3.3	2.8	5.5	3.2	3.1	6.4	10.3	1.7	
13.4	9.2	9.1	8.6	10.0	8.4	12.1	5.8	
2.1	3.0	2.4	3.1	3.5	2.8	1.4	2.8	
0.60	0.58	0.31	0.65	0.76	0.88	0.09	2.42	
4.83	5.7	5.28	2.71	3.1	3.14	4.19	2.96	
1.70	0.82	0.43	1.90	1.03	0.45	0.01	0.49	
0.20	0.27	0.19	0.30	0.22	0.23	0.23	0.12	
0.40	0.80	0.70	0.30	0.50	0.60	0.20	0.30	
98.0	99.1	98.6	96.9	98.8	97.8	97.9	96.8	
1.9	3.1	3.3	3.9	0.0	0.0	0.0	14.4	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.6	3.5	1.9	4.0	4.6	5.4	0.5	14.8	
18.2	25.8	20.7	27.2	30.1	24.4	12.1	24.6	
23.7	26.2	28.8	29.9	27.5	29.3	16.5	22.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18.2	8.9	10.1	0.7	6.2	5.7	25.2	1.6	
7.6	3.0	1.3	0.4	7.2	2.9	11.2	2.1	
0.0	3.0	9.3	7.9	0.6	6.9	13.5	3.6	
0.0	1.2	1.4	5.1	0.8	4.1	6.9	5.4	
0.0	0.0	0.0	0.0	3.1	4.8	0.7	0.0	
0.0	0.0	0.0	0.0	4.5	3.1	0.4	0.0	
12.9	12.4	12.0	11.0	6.9	6.3	4.7	4.4	
9.4	11.0	10.2	5.3	6.0	6.1	8.1	5.8	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.0	1.9	1.0	4.6	2.4	1.1	0.0	1.2	
99.5	100.0	100.0	100.0	99.9	100.1	99.8	99.9	

Sample	Comments
E64-93	60 cm, fine-grained dyke cutting leucogabbro.
E64-28	Fine- to medium-grained. Scattered 1 cm feldspar crystals.
E65-309A	30 cm, fine-grained dyke. Cuts garnet-bearing leucogabbro.
E64-356	Massive, fine-grained, equigranular. Garnet present.
E64-8	Massive, medium-grained with 10% 1.5 cm mesoperthite crystals. Garnet present.
E65-446	Small, fine-grained dyke cuts anorthosite.
S64-261	Massive, medium-grained. Garnet present. Small scattered quartzite inclusions in outcrop.
S64-44A	Foliated, medium-grained. Garnet present. Pink colour.
S64-44	Similar to S64-44A but greenish in colour.
E65-360	Small dyke in leucogabbro.
E65-451	Small dyke in anorthosite.
E65-384	Fine-grained dyke in anorthosite.
S64-127A	Medium-grained, massive with scattered 1 cm feldspar megacrysts. Garnet present.
E65-9	Foliated, medium-grained. Contains granulite inclusions. This rock may be unrelated to the Morin Complex.
E65-3	Medium-grained, weakly foliated. Garnet present.
S64-163	Fine-grained, foliated. 5% 1 cm grey plagioclase megacrysts. Garnet present.
E64-279	Fine-grained, massive. Garnet present.
S64-227A	20 cm fine-grained dyke cuts leucogabbro. Garnet in dyke.
E64-215	Medium-grained, massive. Small scattered dark grey plagioclase crystals. Garnet present.
E64-226A	60 cm dyke cuts anorthosite. Garnet in dyke.
E65-98A	Fine- to medium-grained. 5% feldspar megacrysts form augen. Garnet present.
E65-26A	1.2 m metagabbro dyke in anorthosite.
E65-239	Metagabbro dyke in anorthosite. Cut by younger diabase.
E65-237A	Metagabbro dyke in anorthosite. Cut by younger diabase.
E65-437	Fine-grained foliated dyke cuts anorthosite.
E65-433	Fine-grained dyke in leucogabbro.
E65-429	Small dyke in anorthosite.
E64-187A	Large dyke in coarse anorthosite.
E65-29	Small dyke in leucogabbro.
E65-262	Small dykes cut leucogabbro.
S64-31	Large mass intrusive into coarse anorthosite.
E65-92A	Fine-grained garnet-bearing dyke cuts leucogabbro.
E65-293	Dyke in anorthosite.
E65-97A	Garnet-bearing dyke in anorthosite.