

Appendix Table

Modal Analyses

Sample No.	Thin Sect. No.	Spec. No.	K-feld %	Plag %	Quartz %	Biotite %	Hornb. %	Musc. %	Floccs %	Total Points
Peak Granodiorite										
Southwest Contact										
1	15-C	21-C-53-4	13.4	42.2	27.9	16.5			-	77
2	48-C	27-C-52-6	26.5	34.2	31.9	7.0			0.4	74
3	14-M	15-M-53-9	18.8	37.7	28.1	12.7	2.4		2.7	117
4	40-M	17-M-53-11	17.4	44.3	28.2	9.9			0.2	93
5	21-C-52-3	21-C-52-3	17.0	37.1	34.4	11.5			-	88
6	16-C-52-2	16-C-52-2	12.1	34.2	39.0	14.4			0.3	58
7	12-C-50-4	12-C-50-4	12.9	39.0	39.1	8.5			0.5	73
Initial Average			17.1	38.6	32.0	11.5	0.5		0.5	583
5	18-M-53-11		20.7	37.4	30.5	10.2			1.1	171
7	15-M-53-9		9.3	47.5	25.0	15.7	1.6		2.5	142
10	21-C-53-4		11.2	45.7	28.6	13.9			0.6	140
Final Average			15.8	40.6	30.4	12.2	0.5		1.0	1036
Southwest Slope										
8	16-M	15-M-53-14	31.0	34.9	29.4	4.7				85
9	75-M	25-M-53-9	15.7	43.8	33.4	7.1				70
10	77-M	25-M-53-15	4.0	41.3	42.3	12.4				96
11	16-C	21-C-53-6	11.9	31.2	48.3	8.6				83
12	47-C	27-C-53-5	28.6	33.3	29.1	9.0				54
13	9-C-49-1	9-C-49-1	32.4	49.8	8.8	9.0				54
14	9-C-49-2	9-C-49-2	12.9	49.3	23.7	14.1				81
15	9-C-49-3	9-C-49-3	28.9	58.7	6.3	6.1				36
Initial Average			18.9	40.5	30.6	10.0				567
1	25-M-53-9		11.3	46.0	29.4	11.8			1.5	129
2	9-C-49-1		23.1	41.5	24.7	9.8			0.9	143
11	25-M-53-15		18.4	38.6	25.3	17.0			0.7	136
Final Average			18.4	41.7	28.8	10.7			0.4	976

Sample No.	Thin Sect. No.	Spec. No.	K-feld %	Plag. %	Quartz %	Biotite %	Hornb. %	Musc. %	Access. %	Total Points
Peak Granodiorite										
Central Zone										
16	23-M	18-n-53-9	26.4	45.9	17.7	10.0			-	64
17	24-M	18-n-53-11	26.7	41.6	21.8	9.8			0.1	69
18	45-C	27-c-53-1	9.1	46.8	33.8	9.1			1.2	65
19	72-C	35-c-53-2	17.3	32.3	39.3	8.8			2.3	70
20	44-M	18-n-53-12	24.6	40.7	22.9	10.5			1.3	92
21	45-M	18-n-53-17	15.0	49.1	24.7	10.1			1.1	85
22	22-M	18-n-53-6	15.9	55.5	20.0	7.8			0.8	88
23	43-C	26-c-53-7	28.8	31.7	31.5	7.2			0.8	84
24	44-C	26-c-53-9	4.5	53.5	31.2	10.1			0.7	84
25	46-C	27-c-53-3	32.9	34.7	23.0	8.6			0.8	99
	Initial Average		20.4	43.1	26.4	9.2			0.9	80.4
	3	27-c-53-3	15.1	45.9	29.6	7.9			1.5	118
	2	27-c-53-1	14.8	41.0	34.0	9.3			0.9	157
	6	35-c-53-2	17.5	42.3	29.2	9.8			1.2	137
	Final Average		18.8	43.0	28.0	9.2			1.0	121.7
Northeast Slope										
26	21-M	18-n-53-4	26.8	35.9	25.2	11.7			0.4	98
27	42-C	26-c-53-5	13.0	40.2	37.8	8.1			0.9	76
28	70-M	26-n-53-3	13.6	33.8	40.2	9.9			2.5	56
29	41-M	18-n-53-1	10.3	34.6	44.6	10.4			0.1	65
30	105-M	31-n-53-4	30.9	33.6	24.9	9.8			0.8	104
31	42-M	18-n-53-5	19.1	45.7	27.7	7.0			0.5	100
32	40-C	26-c-53-1	17.5	36.3	36.3	9.1			0.8	91
33	20-M	18-n-53-2	28.9	42.4	21.1	5.0			2.6	97
	Initial Average		21.2	38.1	30.9	8.8			1.0	68.9
	8	18-n-53-2	29.7	40.0	22.4	4.1			3.8	110
	9	19-n-53-5	17.7	44.2	28.2	9.2			0.7	135
	12	18-n-53-1	16.5	36.0	38.8	7.2			1.5	122
	Final Average		21.1	38.8	30.6	8.2			1.3	105.7
Overall Average Peak Granodiorite										
	Initial		19.5	40.5	29.7	9.6			0.7	26.44
	Final		18.5	41.2	29.3	10.0			1.0	42.87

Sample No.	Thin Sect. No.	Spec. No.	K-feld. %	Plag. %	Quartz %	Biotite %	Hornbl. %	Musc. %	Access. %	Total Points
Drury Quartz Monzonite										
Core south of Pass and Lyon Creeks										
34	34-C-54	19-C-54-1	21.8	33.7	33.4	9.4			1.7	96
35	35-C-54	19-C-54-2	26.7	34.6	28.8	8.8			1.1	118
36	38-M	16-M-53-19	22.1	35.9	33.4	7.3			1.3	61
37	36-M	16-M-53-15	16.2	44.2	25.2	12.4			2.0	85
38	96-C	14-C-53-1	22.8	47.1	20.9	8.7			0.5	78
39	98-C	15-C-53-1	22.3	50.5	39.1	6.8			1.3	84
40	100-C	15-C-53-2	19.6	40.6	31.1	7.5			1.2	93
41	47-C-54	21-C-54-1	18.4	43.9	27.3	10.1			0.3	73
42	8-M-50-2	8-M-50-2	22.7	40.4	29.3	6.5			1.1	88
43	8-M-50-3	8-M-50-3	24.9	38.5	27.7	8.1			0.8	90
44	41-C-54	19-C-54-8	4.1	49.3	32.2	13.7			0.7	68
Initial Average			20.6	39.5	29.9	8.9			1.1	93.8
	13	14-C-53-1	21.5	38.0	30.7	8.0			1.8	115
	14	19-C-54-1	15.0	40.2	35.6	8.6			0.6	144
	15	19-C-54-8	4.2	52.0	26.2	17.2			0.4	109
Final Average			18.8	40.2	30.3	9.7			1.0	131.3
Core northwest extension										
45	3-C-54	15-C-54-203	14.6	37.4	35.8	11.5			0.7	57
46	4-C-54	15-C-54-203	20.2	41.8	26.8	10.6			0.6	82
47	5-C-54	15-C-54-418	17.3	44.7	26.3	11.5			0.2	69
48	91-C	12-C-53-1	21.7	34.0	32.8	9.6			1.9	81
Average			18.9	39.2	30.3	10.7			0.9	29.9
Core - overall average										
Initial			20.2	39.4	30.0	9.3			1.1	123.2
Final			18.8	40.2	30.3	9.7			1.0	160.7

Sample No.	Thin Sect. No.	Spec. No.	K-feld. %	Plag. %	Quartz %	Biotite %	Horn. %	Musc. %	Access. %	Total Poin
Drury Quartz Monzonite										
Intermediate Zone - southeast Divide Ridges										
49	30-C	24-C-53-5	12.0	40.7	34.6	11.6			1.1	70
50	32-C	24-C-53-8	20.9	35.4	37.2	5.7			0.8	7
51	33-C	24-C-53-9	31.9	32.0	30.6	4.9			0.6	11
52	35-C	24-C-53-12	35.0	29.2	33.2	2.4			0.2	10
	Initial Average		26.6	33.6	33.6	5.6			0.6	35
	17	24-C-53-5	17.6	41.8	24.4	12.7			1.5	12
	18	24-C-53-9	31.5	33.8	30.9	3.5			0.2	11
	Final Average		25.7	35.4	31.5	6.7			0.7	59
- north and west Divide Ridges										
53	51-M	21-M-53-5	38.3	33.2	18.7	8.6			1.2	6
54	52-M	21-M-53-6	24.7	32.0	33.3	7.5			0.5	8
55	53-M	21-M-53-10	40.7	25.6	30.0	3.3			0.4	8
56	49-M	21-M-53-2	31.2	34.7	27.3	5.9			0.9	10
57	50-M	21-M-53-3	23.5	37.4	30.0	8.3			0.8	11
58	58-M	21-M-53-5	37.7	25.0	34.6	1.7			1.0	5
59	30-C-52-4	30-C-52-4	30.9	32.2	31.5	4.1			1.3	9
60	30-C-52-6	30-C-52-6	14.3	38.9	32.6	13.1			1.1	8
61	100-M	22-M-53-9	24.2	33.9	20.5	15.3			1.1	10
62	108-M	22-M-53-14	17.8	38.5	31.7	11.3			0.7	5
	Initial Average		28.3	34.0	28.8	8.0			0.9	86
	21	21-M-53-5	21.6	38.8	29.4	9.1			1.1	13
	22	21-M-53-6	34.2	27.4	29.0	6.6			0.8	1
	Final Average		28.4	33.8	28.9	8.0			0.9	113
- Skarn Ridge										
63	26-C-54	18-C-54-7	21.5	37.9	29.4	10.1			1.1	10
64	27-C-54	18-C-54-8	34.6	30.2	28.3	5.6			1.3	7
65	29-C-54	18-C-54-9	24.8	33.8	32.7	5.8			0.9	8
	23	18-C-54-9	27.1	32.8	33.8	5.8			0.5	12
	Average		27.0	33.9	31.3	6.9			0.9	40

Sample No.	Thin Sect. N°	Spec. N°	K.feld. %	Plag. %	Quartz %	Biotite %	Hornb. %	Musc. %	Access. %	Total Points
Drury Quartz Monzonite										
Intermediate Zone - northeast Skarn Ridge										
66	62-M	23-n-53-2	14.8	42.0	33.5	7.9			1.8	8
67	63-M	23-n-53-4	29.6	36.2	24.3	9.0			0.9	8
68	64-M	23-n-53-9	14.6	37.8	35.4	11.4			0.8	9
	24	23-n-53-9	23.0	38.0	30.2	7.6			1.2	12
	Average		20.6	38.5	30.8	8.9			1.2	38
- Jar Mountain and area to southwest										
69	8-C-54	16-C-54-3	35.1	25.1	30.2	7.1			2.5	9
70	10-C-54	16-C-54-5	27.6	39.1	28.6	4.3			0.4	10
71	15-C-54	17-C-54-4	27.5	30.3	34.3	7.1			0.8	10
72	16-C-54	17-C-54-5	30.7	36.1	27.1	5.8			0.3	6
73	17-C-54	17-C-54-6	22.2	36.1	29.2	11.3			1.2	9
	Average		28.6	33.2	30.1	7.1			1.1	46
Overall Average Intermediate Zone										
	Initial		26.9	34.3	30.3	7.6			0.9	22.2
	Final		26.7	34.6	30.2	7.6			0.9	24.8
Outer Zone										
74	60-C	31-C-53-4	35.2	31.0	28.6	4.2			1.0	6
75	63-C	31-C-53-10	26.6	28.8	35.5	6.2			2.9	9
76	71-C	34-C-53-3	34.0	34.9	26.0	2.2			2.9	9
77	80-C-52-3	28-C-52-3	27.0	26.8	35.1	6.8			4.3	7
78	81-C	38-C-53-2	12.3	35.5	36.7	15.3			1.2	7
79	81-C	38-C-53-3	13.7	35.5	40.0	10.0			0.8	7
80	83-C	34-C-53-3	22.0	40.5	27.4	9.8			0.3	7
81	85-C	34-C-53-5	17.0	39.8	30.1	12.5			0.6	7
82	82-C-53-4	27-C-52-4	24.3	32.8	34.4	7.8			0.7	8
	Initial Average		23.7	33.9	32.6	8.1			1.7	70.5
	26	38-C-53-3	17.0	40.3	27.8	13.8			1.1	12
	27	38-C-53-2	12.2	37.6	34.4	14.6			1.2	11
	28	34-C-53-3	25.6	30.2	29.7	13.2			1.3	13
	Final Average		22.0	34.5	31.9	10.1			1.5	10.7

Sample No.	Thin Sect. No.	Spec No.	K-feld %	Plag. %	Quartz %	Biotite %	Hornbl. %	Musc. %	Access. %	Total Points
Drury Quart Monzonite										
Caribou Ridge										
83	88-M	29-M-53-10	20.3	40.5	29.3	3.9		5.2	0.8	
84	89-M	28-M-53-11	23.2	38.3	29.3	5.9		3.2	0.1	
85	90-M	28-M-53-14	16.4	37.6	34.8	10.4			0.8	
86	18-C-54	17-C-54-7	25.0	35.0	30.2	9.0			0.8	
	25	28-M-53-16	14.2	36.3	33.7	14.4			1.4	
	Average		19.7	37.3	31.6	9.0		1.6	0.8	4.3
Overall Average Drury Quartz Monzonite										
	Initial		24.1	35.9	30.6	8.1			1.2	44.9
	Final		23.2	36.2	30.7	8.7			1.2	61.0
Transition Rocks										
Quartz monzonite to quartz diorite										
87	102-M	29-M-53-21	6.9	55.2	20.8	7.5	6.9		2.7	9.8
88	27-C	24-C-53-1	35.0	33.0	18.2	9.7	1.8		2.3	8.0
89	109-M	23-M-53-21	15.2	40.5	19.4	15.9	5.2		3.8	6.6
90	112-M	23-M-53-24	24.0	34.5	25.4	13.4	0.7		2.0	9.0
	16	24-C-53-1	18.9	48.2	17.4	9.2	2.6		3.7	12.5
	19	22-M-53-21	4.1	49.1	21.8	17.1	5.6		2.3	14.0
91	110-M	23-M-53-22	5.7	48.0	26.0	18.9	-		1.4	9.0
	Average		14.6	45.0	21.3	13.1	3.4		2.6	6.5