

SYENODIORITE

	Px	Pc	Kf	Bi	MT	SPH	AP	AL
50.	20	45	23	5	7	Tr	<1	R → Seric
23	20	50	15	10	5	Tr	Tr	" Pc. 54±
88	25	35	15	15	10	Tr	Tr	" An 70-30
75	20	52	17	5	5	Tr	<1	"
71	15	52	20	3	7	2-3	Tr	"
9	20	45	20	10	5	Tr	Tr	Px → Hb. Hb → Bi
73	15	40	25	10	6	2	<1	
72	20	50	15	8	6	Tr	Tr	
TOTAL	155	369	150	69	51	4 1/2	7	
AV.	19.4	46.2	18.7	8	6.4	0.5	0.25	
RANGE	15/25	35/52	15/25	3/15	5/10	Tr/3	Tr/1/2	

$$\frac{Kf}{Tf} = \frac{18.7}{64.9} = 28.8$$

$$CI = \frac{19.4}{8} = 35 \pm$$

$$\frac{6.4}{.5} = 34.5$$

= SYENODIORITE

Porphyry No 1. = DTYPE = CROWNED MONZ PORPHYRY

An 40 40x60.1 24. = Ab
36. = An

	Px	Pc	Kf	Bi	Ocrs.	SPH	AP	D
288	10 10 20	40 15 57	17	/	5	✓	1/2	Px → Hb → CrL Pc → Seric
838	15	50 15 65	15	/	3	1/2	1/2	An 30± Pc → Ser
490	20	30 20 50	20	/	5		Tr.	An 50±5 " "
130	5 10	50 15	5		L 6		✓	
	15	64	5		6			
		243	57					

$$CI = \frac{17.5}{4.7} = 23.0$$

$$\frac{Kf}{Tf} = \frac{14.2}{71.3} = 19.1\%$$

$$\frac{Kf+Ab}{Tf} = \frac{38.2}{74.3} = 51.7$$

AV.	17 1/2	60.1	14.2	/	4.75	Tr	0.7
R.	15-20	30-50 15-25	5-20	/	3-6		
Pc	11	55-65					
	7	17 1/2	70		5		

= METASOMATIC SYENITE

PROPERTY FILE
93A008

Porphyry (2) Monzonite Porphyry.

(2)

	Px	Pc	Kf	Bi	Mt.	Ap	Spn.	Act.
46	15	30 20 <u>50</u>	20	8	5	1		CARBS. + Zool. Bi → Cfl. An 42
34	20	40 18 <u>50</u>	18	3	7	1/2	1/2	Zool. CLINOC.
40	15	42	30	5	7	1/2	✓	PREMITS Zool.
39	15	40	30	7	7		1/2	An 36

AV.	16.25	45.6	24.5	5.75	6.5		
Rang	15-20	40-50	18-30	3-8	5-7	Tr=1	Tr=1/2
38	16	40	30	6	8		
	81	222	128	29	34	✓	✓
	16.2	44.4	25.6	5.8	6.8		

$$CI = \frac{16.25}{5.75} = \frac{16.2}{5.8}$$

$$\frac{6.5}{28.5} = \frac{6.8}{28.8}$$

$$\frac{Kf}{Tf} = \frac{24.5}{70.1} = 35\%$$

$$\frac{25.6}{70} = 36.6\%$$

$$\frac{ALKf}{Tf} = 0.4 \times 45.6 = \frac{18.2 + 24.5}{70.1} = 42.7\%$$

$$= 61\%$$

LATE PORPHYRY 3 SPARSE PHENOCRYST

	Px	Pc	Kf	Bi	Mt.		
70	10	16	1	1	2		
13(2)	18	7	3		2	✓	
	8				10		
	26				12		
PHENO	10-18x	1/16	1/3	0/1	2		

LAMPORPHYRES

35	28	30	/	7	An 70-50
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$$\frac{Kf}{Tf} = \frac{30}{58} = 51.8$$

$$CI = 42$$

A. SYENO DIORITE

Med. - INTERSTITIAL TEX.

73 9 72 17 16 76 85A.

(2) " - FOLIATED.

71

0

(3) FG - INTERSTITIAL

23 -

77? 74

(4) " - FOL.

50, 75, 88

80?

B.

B LAMPROPHYRES

2

~~70?~~

NOTE ACTUALLY

2 PHASES IN D

D MAIN OR EARLY CS PHASES
LOTS OR H

ALT. SYENITE
VERY PINK. - DUSTY.

INTERSTITIAL SYENITE
WHITE CLEAR

Kf + Bi. + AP + MT.
+ CALCITE.

C. SKARNS

33A 33B, 44

41

EOBF
LATER THAN D

D SYENODIORITE PORPHYRY (1)

83B, 28B 43 TYPE 2

12 79?

83C

70?

47A?

42

NOTE COMPLEX:
CHUNKY PINNS. P.
BIG. MT.

FOL. COMMON.
PROMINENT
POR.

28B, 83B, 79, 130, 21, 27, 25, 38, 43, 42
42, 12, 14, 8??
749, 18, 3? / 22A, 19, 20

E SYENODIORITE POR. (2)

46, 34, 40 43 TYPE D

THIS TYPE IN METASOM. BRECCIAS

87?

32

29

NOTE RIM OF CLEAR
MA^{ic} P. WITHOUT SERICITE
ON PC.

FOL. RARE

DISCRETE PORPH.

F MONZONITE POR?

39

38

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CARIBOO BOLL ROCK TYPES

JUDGED ON BASIS OF CAREFUL HANDLE'S EXAMINATION.

7 JULY

BRECCIAS

A B₁ - Mostly PINK B TYPE - FILLED WITH BL. FATHER FINESS INCLUDING SOME GREY A TYPE
66AB1, 2, 5

B₂ - ALL B TYPE PINK POWDR + DK FILLING BL, MT GP
20, 27.

Δ B₃ - B TYPE FRAG IN D TYPE FG BR MARAUCRATIC MONZ
38

B₄ PINK B TYPE FRAG IN DK Dioritic MATRIX = TYPE C.
37, 47, 45?

Δ "B" S - Monzoo B TYPE with VREG GREY. TK DI. = C TYPE? SPOTCHES = B₄?
22, 25, 26, 45?
BUT SOME DOES NOT LOOK LIKE BRECCIA BUT MONZOO ACT.

Q Rx A - GREY TO FAINT PINK DI. ACLAUCRATIC MONZ POR WITH 20% MT, 25% MATIC INCL. INCL. SOME MOUNTAIN MONZOO
5, 17, 24, 34, 40, 41, 48, 50

Q Rx B - LGR TO MGR TO MOUNTAIN MONZOO LEUCO MONZ POR. - TOLATED. - ME. VARIOUS COMMON
8, 10, 11, 12A, 12B, 14, 18, 19, 21, 28A, 47A, PART OF 13.
VREG GREY FRAG 14, 1, 2, 6, 26, 27, 37, 38, 47 & PROX. 22, 25
26 & 45

Q Rx C - FE MOUNTAIN MONZOO, SLIGHTLY PORPHYRIC BUT FAIRLY EVEN PINK AT GRAIN
42, 9, 16, 22A?, 23, 32. & PART OF 13. MATE 30, 14, 15, 20

Q You - 100% BUT PRO ORG } Rx D. VREG BROWNISH BUBBLY MOLANO DIORITE - MONZ - 25-30% MATIC
27 & 37 & MATRIX IN 28 & POS. 37

Rx E. BROWNISH STARKA POR WITH VREG MATRIX MONZ POR. - DI ORNB NODULES
28B, 42, 43, 49

Q Volc Rx
30, 31, 44. Volc BACT.

LOOK AT 7 & 22A 16 GRAM.

Q HYBRID,
33A, 35B, 41

DYKES

LAMP - 2 LAMP CHILL 36 - FB OR POR
FG GRWN AND? 15-35

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