

(MUTTLE P)

56

62A

PARTLY ALT.
6A

UNALTERED.

- HIGHLY SERIC.

PC	AN?	occ. ZONCO	50	25	AN 32-25 ZONCO
HA.			5-8	8-12	
QTZ			3-5	3	
PIGEONITE			2	4-5	5-8
CARB.			1-2	1-2	
SERICITE			8-10		
PY.			2		
CHL.			4		
MATRIX.			25±	35	PC. 30
Q-FELTH.					
EP.				1-2	20
TREM.					15-20
PY.					10

410

62B

HIGHLY.

①

②

ALT.	EP.	35-40	5
	QTZ	} 30-35	} 10±
	PC.		
	CHL.	5-8	
	CARB.	15	
	SER.	1-2	
	GAR.	< 1	80-90
	MT.	2-3	
	ACT.		5

② MORE INTENSE THAN ①

SP. MOTTLE POR. TASSU

62AB 155 ✓ DD.H T-146 - 124'
153 ✓ T146 67'

163. T-125 379

166' ? T126. 37

61AB 410 ✓ T72 301

63AB 58 T260 17'

61 T262 37

62 ✓ " 79

64 ✓ T258 241.

56 ✓ T. 74 270

164 MP.

166 168.

165

6 24⁰⁰

PARTLY ALT

166

PC. HIGHLY SER. 45

→ EP. 5

QTZ 5

HB → CHL + MITCAL. 15

MATRIX FZLD. 35
+ QT-SER CH.

QUIT ALT.

155

PC → SER.

Px HB → EP + CHL.

FINE LATHY
MAT.

PC

CHL → EP.

153

- HIGHLY ALT

BUT RESEMBLES DI. MORB
THAN. DI POR.

ANDESITO SWARA

	(50)	(47)	(53)	(57)
PHENO.				
PC.	15 ² An ₃₀ 12	4 An ₂₉ 11	9 An ₂₉ 12	8 An ₃₂
MATRIX:				
PC.	46	50	44	40 An ₂₈ 12
Q.	4 1/2	9 10 1/2	3 1/2	15
Px.	7 35 8 1/2	9		12 1/2
CARB.	5 1/2 } 101	10 1/2 } 14 1/2	4 1/2 } 15	4 1/2 } 20 1/2
SER. + CP.	11 } 21	4 } 14 1/2	4 1/2 } 15	4 } 20 1/2
CHL.	4 1/2 } 21		6 1/2 } 15	12 } 20 1/2
ORE.	2 1/2	4 1/2	4 1/2	2 1/2
Zoisite Ed.		9.	24 1/2 79 1/2 8 1/2	1 1/2 35 1/2 150

	(A1A)	(154)	(164)	(15)	(165)
PC PHENO		5	10	11 An ₃₀	
PC.	45 An ₂₈₋₂₆	55	45	40	
Q.	13.		2 1/2	6	
Px		1	23	1	
CARB.	9				
SER.	25 } 34	35	10		
CHL					
ORE.	4 71	5	10	35	
MT+SPHs ORLEUCOX.				8	

Px. :



AS A RESULT THE 'PORPHYRY MAY HAVE RADICALLY DIFFERING APPEARANCE FROM PLACE TO PLACE. MINE GEOLOGISTS ^{THOSE WHO HAVE STUDIED THE CORES MOST} INCLUDING KEN POLK & TED WADE.

THE S.S.

GENERAL FIGURE — IS A PLAN SHOWING THE DISTRIBUTION OF THESE ROCK TYPES IN RELATION TO THE ORB BODIES & THE NUMBERED ZONES. IN GENERAL THE PORPHYRY & BASAL MASSIVE LIMESTONES ARE IN MOST INTIMATE CONTACT WITH THE ORB, ^{THE} KARM IMMEDIATELY UNDERLIES ~~THE ORB~~ ^{THE} ORB, & THE FLAGGY LIMESTONES OVERLIES IT. ^{ALTHOUGH} THE SAN CRISTOBAL BATHOLITH SURROUNDS ^{ON THESE SIDES} ~~THE~~ & PROBABLY UNDERLIES THE STRATIFIED PANEL IT IS NOT FOUND IN THE ^{IMMEDIATE} VICINITY OF THE ORB IN A S. THE DYKE SWARMS ~~ARE~~ OCCUPY A MA

A SEQUENCE OF INTRUSIONS BOTH LARGE & SMALL FOLLOWED.

THE STRATIFIED PANEL WAS REPEATEDLY INTRUDED BY IGNEOUS ROCKS BEGINNING WITH MINOR SILLS RELATED TO THE KARMUTSEN FA.

ANODESITIS AVERAGE

Peterson

Pc	66.	An ₃₀₊₂	8.75	8.3
Px	8.	→ CHL	1.	1.0
<hr style="border: 0.5px solid black;"/>				
Pc	369	An ₂₈₊	46	46.
Q	53		6.6	6.6
Px	53 $\frac{1}{2}$		(6.7) = 5.7	5.7
CAEB. SER. CHL. }	185		23.1	23.1
ORSt	36		4.5	4.5
EP. Zms	35		4.4	4.4
				<u>99.6</u>