

Table 3. Mode based on X-ray diffractometry¹ for Ruttan mine horizon and Darrol Lake horizon samples.

Sample No.	Distance ² (km)	Quartz	Siderite	Dolomite	Aragonite	Calcite	Sum Carbonate	Anhydrite	Muscovite	Cordierite	Biotite	Phlogopite	Clinochlore	Clinochlore-Fe
Exhalite samples, Ruttan mine trend:														
RUT-1	-2.50	28.5				2.6	2.6				7.6		1.1	
RPE91-6-3065	0.70	33.4					0.0		7.2					
RPE89-3-1630	1.50	39.2					0.0	1.0	10.4					
RUT-15	2.95	33.6					0.0				5.9			4.2
RUT-16	3.10	58.1					0.0				4.1		2.0	
RUT88-117	53.20	40.3					0.0				5.3			2.1
RUT89-90	55.90	41.4					0.0				5.2			2.1
RUT79-107	56.40	12.0					0.0							1.4
RUT86-103	57.20	35.2					0.0				5.9			2.2
RUT85-83	59.30	46.5					0.0				15.6			1.3
RUT87-110	69.30	46.2					0.0		10.4				2.6	
RUT80-68	75.50	41.5					0.0				10.3			
Intermediate volcanoclastic samples, Ruttan mine trend:														
RUT-2	-0.50	10.6	1.1				1.1						1.2	
RUT-3	-0.20	25.9				3.1	3.1	1.4						
RUT-4	-0.10	13.9					0.0				3.5			
RUT-5	0.25	15.0					0.0					10.0		
RUT-6	0.65	27.9					0.0			6.2		9.7		
RUT-7	1.10	15.3					0.0					10.5		
RUT-8	1.25	25.4					0.0			2.3	6.8		1.4	
RUT-9	1.55	38.3					0.0				8.0		1.0	
RUT-10	1.75	16.2					0.0				7.0			
RUT-11	1.90	33.7					0.0			2.5	6.0			2.3
RUT-12	2.22	8.2					0.0			2.2				1.3
RUT-13	2.50						0.0			3.2				
RUT-14	2.80	24.4					0.0					3.9		2.3
RUT-17	3.10	24.1					0.0					3.5		
RUT78-20	29.30	72.3					0.0		11.3					3.6
RUT89-124	55.90	51.0					0.0				18.6			
RUT89-65	55.90	34.0					0.0					28.3		
RUT79-204	56.40	30.3					0.0					9.6		
RUT79-233	56.40	26.9					0.0					22.6		
RUT86-121	57.20	37.5					0.0					23.1		
RUT86-48	57.20	34.6					0.0					23.5		
RUT85-105	59.30	28.0					0.0					27.4		
RUT85-27	59.30	51.6					0.0				8.8			
RUT87-140	69.30	58.7					0.0				10.3			
RUT87-60	69.30	73.4					0.0				10.1			
Exhalite samples, Darrol Lake trend:														
RUT4-235	-2.80						0.0						1.7	
RUT15-160	-2.49	82.5					0.0			8.0	5.1			
RUT6-302	-2.44	44.1					0.0							
RUT8-200	-1.78	22.9					0.0							2.3
RUT11-185	-1.00	28.3					0.0			5.9	3.7			
RUT12-190	-0.73	35.2		2.6			2.6				2.8			
RUT13-138	-0.49	24.3					0.0		8.5				2.4	
RUT46-610	-0.34	14.8					0.0					12.1		1.6
RUT22-380	-0.12	12.5					0.0							5.0
RUT20-240	0.07	42.3	1.7	9.8		3.6	15.1				7.4			2.6
RUT23-420	0.22	57.1					0.0				12.2		1.9	
RUT26-187	2.07	33.1					0.0				5.0			1.4
RUT28-260	2.29	45.1					0.0				6.4			2.8
RUT32-220	3.46	49.8					0.0				6.3			4.1
RUT33-135	4.66	59.4					0.0				10.7			4.3
Intermediate volcanoclastic samples, Darrol Lake trend:														
RUT4-35	-2.80						0.0							
RUT15-310	-2.49	62.0					0.0	1.6				7.0		
RUT6-435	-2.44	39.7					0.0				5.9			
RUT6-60	-2.44	51.8					0.0				7.0			
RUT8-320	-1.78	46.7					0.0				5.7			2.1
RUT8-40	-1.78						0.0		11.6					15.4
RUT11-360	-1.00	13.0					0.0					18.6		
RUT11-70	-1.00	53.9					0.0				8.3			
RUT12-350	-0.73	12.4					0.0					6.8		2.2
RUT12-70	-0.73	12.2					0.0				3.9			
RUT13-35	-0.49	46.4					0.0				5.0			
RUT46-520	-0.34	56.1					0.0				8.0			
RUT46-685	-0.34	50.7					0.0				6.0			3.9
RUT22-150	-0.12	46.8					0.0				5.0			
RUT22-700	-0.12	44.1					0.0					8.1		
RUT45-55	-0.12	66.2					0.0				19.4			2.5
RUT47-120	-0.12	21.4					0.0			4.0		26.2		
RUT20-15	0.07	50.1					0.0	1.3			4.6			2.1
RUT20-450	0.07						0.0							
RUT44-35	0.07	37.5					0.0				10.5		1.0	
RUT23-670	0.22	46.5					0.0				7.7			
RUT49-45	0.22	40.9					0.0				10.2			
RUT26-120	2.07	58.4					0.0		6.7					3.2
RUT26-460	2.07	46.5					0.0				9.0			
RUT28-450	2.29	48.2					0.0					9.2		
RUT28-50	2.29	22.8					0.0					12.6		
RUT32-160	3.46	47.7					0.0				3.4			2.1
RUT32-380	3.46	46.6					0.0				3.5			3.7
RUT33-110	4.66	60.6		2.4			2.4					9.1		
RUT33-350	4.66	36.7					0.0				9.9			

¹see Appendix A for methodology²along strike from Ruttan mine or DAR2 zone

Comments
Second amphibole (ferrogedrite) present
1.3% stilpnomelane?
(Unknown peak at 1.73 Å)
Two micas, two amphiboles and possibly garnets present
Two amphiboles present
Two amphiboles (+ferrotschermakite?) present, two micas present
Two amphiboles (+ferrotschermakite) present
1.5% chloritoid
Two amphiboles (+ferroactinolite)
Two amphiboles (+ferrotschermakite 4-8%); kyanite probably too high
Two amphiboles present
Two micas present
Two micas present
Two micas (+muscovite)
Significant amounts of ferroglaucophane present
2.4% stilbite
Second amphibole present
Second amphibole present
4.4% diopside?
5.3% stilbite
6.3% aegerine?
4-8% of a second amphibole
~10% second amphibole present
Two micas present
Trace epidote
Second amphibole present