

TABLE 2.—Mineralogy of pegmatite and granite

[Compositional ranges given for rock types do not include the occasional extremes of composition. Symbols for texture and size (diameter, in inches): VF = <0.2, F = 0.2-1.0, M = 1-4, C = 4-12, VC = 12]

Number and name of pegmatite or letter of sample locality (pl. 1)	Wallrock						Pegmatite																					
	Type and formation	Alteration	Relation to wallrock	Shape	Internal structure	Texture	Mineralogy																					
							Plagioclase		Perthite		Graphic granite		Quartz		Muscovite		Garnet		Tourmaline		Lithium minerals			Other minerals				
Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Percent	Size (inches)	Mineral	Percent	Size (inches)	Mineral	Percent	Size (inches)					
<b>GRANITE-PEGMATITE COMPLEX</b>																												
Leucocratic soda granite	See text	See text	See text	See text	Layered	VF	30-45	VF	30-40	VF			25-30	VF	0-3	VF	0-2	VF	0-5	VF					Biotite, sillimanite, apatite.			
E	do	do	do	do	do	VF	35	0.03	35	0.03			25	0.03	3	0.03			2	0.03								
F	do	do	do	do	do	VF	30	VF	40	VF			25	VF	6	VF	Trace	VF	Trace	VF					Biotite	1	VF	
G	do	do	do	do	do	VF	70	0.1	9	0.1			20	0.1					1	0.05								
Plagioclase-perthite-quartz pegmatite	do	do	do	do	See text	M	30-50	F	30-40	M-C	Rare		20-30	M	<5	F-M	Trace	VF	0-3	F					Rose quartz, smoky quartz, biotite, apatite, sillimanite.			
E	do	do	do	do	do	M	45	F	30	M-C			25	M	Trace	M			1	F								
H	do	do	do	do	do	M	20	F	55	C			20	M	3	F	1	VF	1	F								
<b>PEGMATITES IN GRANITIC COMPLEX</b>																												
Plagioclase-perthite-quartz pegmatite				Generally tabular.	None	M-C	5-40	VF	15-40	M-C	0-15	C	20-30	F-M	<5	F-M	Trace	VF	<5	VF, M					Biotite, smoky quartz, apatite.			
1	Complex	None	Cross-cutting.	Pod	do	M	15	VF	45	M-C	20	C	15	F-M			Trace	VF							Biotite	Trace	F	
Graphic granite pegmatite			do	Tabular	do	Graphic	1-30	VF	1-50	C	15-90	VC	1-30	F-M	<5	F-M	Trace	VF	0-10	F-M	Yellow mica.	Trace	(?)		Apatite, biotite, rose quartz.			
2	Complex	None	do	Dike	do	do	10	VF	4	C	70	VC	10	F-M	1-3	F	Trace	VF	Trace	F-M	Yellow mica.	Trace	(?)		Apatite, biotite, rose quartz.	5	C	
3	do	do	do	do	do	do	5	VF	5	C	80	VC	5	F-M	5	F	Trace	VF	Trace	F					Apatite	Trace	VF	
4 <sup>2</sup>	Schist <sup>2</sup>	Negligible	Concordant.	Pod	do	do	<5	F	<5	M	90	VC	<5	F	1	F		Trace	VF	5	F				Apatite	Trace	VF	
Perthite quartz pegmatite			Segregation	Irregular pods.	do	M-C	None		70-100	M-C			0-30	M-C	<1	F			Rare	VF								
Zoned pegmatite			Cross-cutting.	Dikes or lenses.	Zoned	M-VC																						
5 (L-5 No. 2)	Complex	do	do	L-shaped	Wall	F	35	F	30	F			25	F-M	<5	F	Trace	VF	<5	F					Biotite	<5	F	
6	do	do	do	Pod or lens	Core	VC			35	30-70			60	(?)					5	20-35					Biotite	2-5	1x8	
					Wall	C	Trace	0.3	75	6-13	Trace	8-15	15	(?)	10	M			<5	F					Apatite	Trace	0.2	
7	do	do	do	Dike	Core	VC			60	VC			35	VC	1	M			10	M								
					Wall	C			50	40			40	C														
8	do	do	do	Discontinuous pods.	Core	VC			25	12			30	VC												Rose quartz	45	(?)
					Wall	F	10	F	35	1/2-6			30	M	15	1/2-2	7	0.3	3	0.5								
					Intermediate zone.	C			60	C			10	M	20	4			5	1/2-4						Biotite	5	F
Quartz pegmatite		None	Cross-cutting.	Pods or dikes.	Core	VC			20	6			80	(?)												Smoky quartz	Rare	M
					Massive	VC	None		0-20	M			75	(?)						<5	C							
													100	(?)														
<b>PEGMATITES IN METAMORPHIC ROCKS</b>																												
Plagioclase-perthite-quartz pegmatite				Sills	Poorly zoned.	M-C	40-60	VF	10-30	M-C	Rare	C-VC	15-30	M-C	<5	F-M	Trace	VF	<5	F	Yellow mica.	<1	(?)		Apatite, biotite.	Trace	Variable	
9	Quartz-mica schist.	Negligible	Concordant.	do	Vague	M-C	65	F	8	C	7	C	15	M	1	F	Trace	0.05	4	6	Yellow mica.	Trace	(?)		Smoky quartz	0-10	M	
10	do	do	do	do	Poorly zoned.	M	40	VF	25	M			30	M	<3	F			Trace	F	Yellow mica.	Trace	(?)					
Zoned pegmatite			Induced conformance.	Irregular	Zoned	VC																						
11 (L-5 Spring)	Quartzite, quartz-mica schist, and graphitic schist.	Tourmalinized.	do	Lens	Wall	M	50	M	Trace	M			25	F	20	F	Trace	1/2-1	Trace	1/2					Apatite	Trace	0.2	
					Intermediate zone.	VC	<1		60	20-100			35	15-60	5	1-10										Beryl	Trace(?)	
					Core	VC			10	VC			10	M	(?)													
12	Quartz-mica schist.	Tourmalinized.	Induced conformance.	Lens	Wall	C	30		50	M			15	M	2-5	1/2-8			Trace	M								
					Core	VC			80	50-125	20	VC																

<sup>1</sup> Lithia mica (yellow) occurs in 1/2 to 2 inch aggregates of 0.1-0.2 inch plates.

<sup>2</sup> This pegmatite occurs in schist, but is almost on the contact with the complex. It more nearly resembles graphic granite pegmatite than plagioclase-perthite-quartz pegmatite.

<sup>3</sup> Rose quartz; massive, grain size undetermined.