Field No.	Quad.	Pluton no.	Rock name	Texture	Grain size		Primary minerals in percent: Biotite	Hornblende	K-spar	Plagioclase	Quartz	Accessory minerals	Alteration (degree: minerals)	Spec analysis	Chem analysis: Rapid rock	Standard	Remarks
71Afr722	D-6	3-F	Granodiorite	Porphyritic	Groundmass medium	Δ	14	3	17 (Microcline)	34 Myrmekite	30	Sph, zir, ep, ap	Bio to chl				Microcline greater in amount than shown by count because of irregular distribution in thin section. Estimate 25 percent + K-spar.
70AFr372	D-6	3-F	Granite	Hypidiomorphic-granular	Medium		1	0	28 Microcline	33	38	Musc, zir, (haloes in bio), tour?	Slight: ser from feldspar, chl and ep from bio		X		
70AFr3073	E-6	3-F	--Do.--	Porphyritic	K-spar phenos 15-20 mm x 5-10 mm, medium groundmass		6	2	33	30	29			X	X		
70AFr3115	C-6	3-G	--Do.--	Allotriomorphic	Medium and fine (bimodal)		(15)	--	(30) Microcline	(25)	(30)	Zir, ap, all, op, carb (veinlet)	Moderate to strong: highly altered plagser, clays, musc. Little chl, ep	X			Spec refers to 70AFr3115a.
70AFr2472	C-6	3-G	--Do.--	-----do------	Medium	Δ	10	--	21	38	31	Zir, ap, topaz	Moderate: ser, musc, little chl, ep				
70AFr557	C-6	3-G	--Do.--			*	1	5	33	27	38						No thin section.
70AFr559	C-6	3-G		Porphyritic (weakly foliated allotriomorphic)	--do--	*	6	<1	30	32	32	Zir	Moderate: ser, musc, chl, ep				Lineation.
70AFr2504	C-6	3-G	Tonalite	Hypidiomorphic-granular slightly gneissic	--do--		(10)	(5)	0	(45)	(35)	Zir, ap	Strong: ser, chl, ep				Plag somewhat alined. Thin section 70AFr2504b. No K-spar.
70AFr607	C-6	3-G	Granite	Porphyritic	K-spar phenos 20x8 mm, groundmass plag 5x4 mm, quartz 4x5 mm, mafics 2x3 mm	*	7	<1	27	32	~34						No thin section.
64AFr172	B-6	3-G	--Do.--	-----do-----	K-spar and qtz phenos, medium		(10)	0	(35)	(20)	(35)	Zir, ap, minor op	Slight to moderate: ser, musc, ~10% bio to chl, ep				Slight evidence of foliation, possibly some qtz is recrystallized.
64AFr184	B-6	3-G	--Do.--	-----do-----	K-spar and qtz phenos, medium to coarse. Groundmass medium		(10)	0	(28)	(22)	(40)	Zir, ap, all	Moderate to strong: ser, clays; about 10% bio to chl, ep				
64AFr164	B-6	3-G	--Do.--	-----do----			(5)	0	(30)	(15)	(40)	Zir, ap, op	Moderate to strong: ser, clays; chl, ep				
71AFr664	B-6	3-G	Granodiorite	Hypidiomorphic-granular	Medium	Δ	14	4	10	36 (Zoned)	35	Ap, sph, op, zir	Moderate: chl, ser, ep, clays		X		
69AFr63	B-6	3-G	-----Do.----	Porphyritic	--do--	*	6	3	20	45	27			X			
64AFr227	B-6	3-G	Tonalite	Porphyritic to slightly porphyritic	Fine to medium groundmass; phenos medium		(13)	(<1)	(5)	(50)	(33)	All, op, ap, zir, sph	Slight: chl, ep				
71AFr662	B-6	3-G	Granodiorite	Slightly porphyritic	Groundmass medium; phenos medium	Δ	18	<1	17	38	28	Op, all, sph, zir	Moderate: ep, chl, carb		X		
69AFr149	B-6	3-G	-----Do.----		Medium	*	7	6	13	45	30						No thin section.
69AWr87	B-5	3-G	-----Do.----			*	3.1	3.4	25.5	32	36				X		------Do.-------
69AWr124	B-5	3-G	-----Do.----			*	13	1	16	41	30			X			------Do.-------
64AFr138	B-6	3-G	-----Do.----	Hypidiomorphic-granular	--do--		(8)	(<1)	(10)	(50)	(30)	Zir, sph	Slight: chl				
64AFr2	B-6	3-G	-----Do.----													X	Classified by normative minerals.
64AFr149	B-6	3-G	-----Do.----	----------do----------	--do--		(~10) (Before alteration)	(0)	(15)	(40)	(35)	All	Moderate: chl, ep, carb, ser				
64AFr142	B-6	3-G	Tonalite	----------do----------	--do--		(15) (Before alteration)	(0)	(<1)	(30)	(55)	Zir	Strong: ep, chl, ser				
71AFr635	B-6	3-G	Granodiorite	----------do----------	--do--	*	15	0	15	41	30	All, sph	Moderate: ep, chl, ser	X	X		No thin section.
64AFr143	B-6	3-G	Granite	Porphyritic	K-spar phenos coarse to medium, groundmass medium		(10)	(0)	(40)	(25)	(25)	Zir, ap, op	Moderate: ser, chl, czs				
69AFr57	A-6	3-G	--Do.--	Hypidiomorphic-granular	Medium	*	6	0	22	34	38	Zir, musc	Slight: chl, musc. may be secondary?	X			------Do.-------
69AFr86	A-6	3-G	Granodiorite	----------do----------	--do--		(5) (Before alteration)	(0)	(20)	(45)	(30)		Strong: chl, ser	X			Spec available for 69AFr86, 69AFr86c, 69AFr86e.
69AFr84a	A-6	3-G	Tonalite	----------do----------	--do--	*	16	3	4	46	31	Zir	Slight	X			Spec available for 69AFr84a, 69AFr84d.
69AFr91b	A-6	3-G	Granite	----------do----------	--do--		(1)	(0)	(35)	(15)	(50)	Sph	Slight: chl, ser	X			Very leucocratic: color index ~1: spec available for 69AFr91a and 69AFr91b.
69AFr95	A-6	3-G	--Do.--	----------do----------	Medium to coarse	*	4	<1	27	30	38		Slight: ser	X			Two spec analyses available, 69AFr95 and 69AFr95a.
71AFr568	A-6	3-G	Leucogranite			*	4	0	33	33	30			X			No thin section.
71AFr583	A-6	3-G	Granite	----------do----------	-------do-------	Δ	2	<1	32	31	34			X			Biotite greenish in color; strongly pleochroic. Local zones of alteration noted in field. Two spec analyses available, 71AFr583 and 71AFr583b.
64AFr70	A-6	3-G	Granodiorite	----------do----------	Medium	Δ	17	0	16	38	29	Ap, zir	Slight: chl, ep, ser		X		
69AFr70	A-6	3-G	-----Do.----			*	8	2	17	43	30			X			No thin section.
71AFr596	A-6	3-G	Quartz diorite	----------do----------	--do--	Δ	21	17	5	37	20	Op	Slight: chl	X	X		Spec analysis refers to sample 71AFr596C. Chem analyses refers to 71AFr596B.
69AFr185	A-6	3-G	Granodiorite	----------do----------	--do--	*	10	<1	8	49	33	Zir	Slight: chl, carb				
64AFr31	A-6	3-G	-----Do.----	----------do----------	--do--			(15)	(15)	(50)	(20)	Ap	Moderate: chl, ep, ser				
69AFr184	A-6	3-G	Quartz diorite			*	1	5	3	76	15			X			No thin section. Spec analysis refers to 69AFr184a.
71AFr704	C-6	3-H	Granite	Porphyritic		*	8.4		28	33	30			X			No thin section.
71AFr701	C-6	3-H	Granite	Gneissic	Medium		(5)	(0)	(25)	(30)	(40)		Slight: chl, ser		X		Sutured quartz grain boundaries, gneissic texture.
69AFr216	B-5	3-H	Granodiorite			*	9	<1	13	44	34	Op (0.1)					No thin section.
69AFr718	C-4	3-H	Granodiorite	Porphyritic	Coarse		(5)	(0)	(20)	(40)	(35)	Ap, zir	Moderate: chl, ser				
68AFr485	C-3	3-H	Granite		--do--	*	4	0	41	20	35						------Do.-------
64AFr136	A-6	4	--Do.--	Hypidiomorphic-granular	Medium		(5)	(0)	(35)	(30)	(30)	Prismatic ap, zir	Slight: ep, chl				
71AFr509	A-5	5	--Do.--	----------do----------	Coarse	Δ	0	11 (Before alteration)	33	35	21	Op, ap	Strong: chl, ser, ep, carb	X			Fabric somewhat gneissic.
71AFr507	A-5	5	--Do.--	Porphyritic	Medium	Δ	0	25	30	24	21	Sph, op	Moderate: ser, ep, chl	X	X		
68AFr107	A-5	5	Quartz monzonite		--do--	*	<1	42	19	29	9						Foliated near contact. No thin section.
71AFr1026	A-5	5	Quartz monzodiorite	Hypidiomorphic-granular	--do--		(10)	(20)	(10)	(50)	(10)	Sphene, ap, cpx cores in hornblende	Slight to moderate: musc, ep, chl				Gneissic fabric: plagioclase alined.
68AFr101	A-4	5	Monzodiorite	Slightly porphyritic	--do--	*	6	39	7	46	1						Weak lineation; no thin section.
71AFr1032	A-4	5	Quartz monzodiorite	Hypidiomorphic-granular	--do--		(10)	(20) (Includes 10% cpx cores)	(15)	(50)	(5)	Cpx cores in ap, hbl, tourmaline	Slight: ser				Similar to 71AFr1026.
71AFr1046	A-4	5	--------Do.--------	----------do----------	--do--		(3)	(5)	(15)	(60)	(15)	Sph, ap	Moderate: chl, ep				
68AFr230	A-4	5	Granite	Porphyritic		*	7	<1	28	33	31						No thin section.
68AFr74	A-5	6	Quartz monzonite			*	0	18	33	40	10						No thin section; locally slightly foliated.
69AWr15	A-5	6	Monzonite	Hypidiomorphic-granular	Coarse		(0)	(20)	(40)	(35)	(5)	Sph, ap, monazite?, cpx	Moderate: ep, ser, op				
68AFr108	A-5	6	Quartz monzodiorite			*	2	8	11	62	18						No thin section.
63AFr2c	A-5	6	--------Do.--------	Gneissic	Coarse		0	(35)	(10)	(45)	(10)	Sph, ap	Moderate: chl, ep			X	Hornblende is alined. Potassium-argon age of 177+5 m.y. on hornblende (Report No. 54 (Menlo Park), 1969, by J. C. Von Essen).
71AWr333	A-5	6	Hornblende tonalite	Hypidiomorphic-granular	Medium		0	(5)	0	(70)	(20)	Op, sph, ap	Moderate: chl, ep, ser	X			Leucocratic
68AFr227	A-4	6	Quartz monzonite	Porphyritic	Medium groundmass; large (16x16 mm) K-spar phenos	*	0	41	27	23	9						No thin section.
68AFr228	A-4	6	Granite	-----do----	Medium groundmass; K-spar phenos 5x7 mm	*	6	8	28	35	22						------Do.-------

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature