

Table 1.--Petrographic data on Cretaceous granitic rocks of the Big Delta Quadrangle, Alaska--Cont.

Field no.	Quad.	Pluton no.	Rock name	Texture	Grain size (fine - 1 mm; medium - 1 to 5 mm; coarse - 5 mm to 3 cm)	Alteration (degree: mineral)	Mineralogy						Type of chem analyses available	Remarks
							Biotite	Hornblende	K-spar	Plagioclase	Quartz	Accessory		
75AFr223C	C-2	7	Granite	Hypidiomorphic-inequi-granular	Medium to coarse	Moderate to strong: chl, ser	(10)	(0)	(30)	(30)	(30)	Czs, op, zir	Spec	
75AFr2116	C-2	7	Granodiorite	Hypidiomorphic-granular	Medium	Moderate: musc, ser, 15% to 25% of bio to chl	(5)	(0)	(15)	(45)	(35)	Ap, zir		
75AFr3124	C-2	7	---Do.---	-----do-----	--do--	Moderate: ser, 10% to 25% of bio to chl	Δ 10	0	15	38	35	Musc, zir		<1% primary musc
75AFr3125	C-2	7	Granite	-----do-----	--do--	Moderate: chl, ser	(10)	(0)	(20)	(30)	(40)	Musc, ep, zir		About 3% primary musc
77AWr418	C-2	7	--Do.--	-----do-----	--do--	-----do-----	* 12	0	20	33	34	Musc, zir, op, myrmekite		-----Do.-----
75AFr3143	C-2	8	--Do.--	Hypidiomorphic inequi-granular	Fine to medium	-----do-----	(15)	(0)	(30)	(25)	(30)	Ap, zir, myrmekite		Poikilitic K-spar
75AFr3162	C-2	8	Granodiorite	-----do-----	-----do-----	Moderate: 20% to 30% of bio to chl, ep, ser	Δ 11	0	11	44	33	-----do-----		-----Do.-----
75AFr3165	C-2	8	---Do.---	Hypidiomorphic granular	Medium	-----do-----	(10)	(0)	(15)	(45)	(30)	Ap, zir		
75AWr245	C-2	8	Granite	-----do-----	--do--	Moderate: 20% to 30% of bio to chl, ser	Δ 8	0	23	28	35	Musc, op, zir		About 5% primary musc
77AFr4123	B-4	9	--Do.--	-----do-----	--do--	Moderate: chl, musc, ser	Δ 0	0	26	33	38	Ap, op, zir		3% primary musc
74AFr588	B-1	10	Granodiorite	-----do-----	--do--	Minor: ep, ser, 40% to 60% of bio to chl	(5)	(0)	(15)	(45)	(35)	Carb, musc, zir	Spec	
74AFr589	B-1	10	---Do.---	-----do-----	--do--	Strong: ep, chl, ser	(5)	(0)	(15)	(40)	(40)	Ep, musc, zir	Spec	
74AFr592	B-1	10	---Do.---	-----do-----	--do--	Strong: ser, ep, bio to chl	(5)	(0)	(15)	(40)	(40)	All, ap, ep, zir	Spec	
74AFr593C	B-1	10	---Do.---	-----do-----	--do--	Moderate: chl	Δ 9	0	12	45	33	Ap, ep, op, zir	Spec	
74AFr597	B-1	10	---Do.---	Porphyritic	Phenos of plag (5 mm long), qtz (1 cm long), and K-spar in fine groundmass	Minor: chl, hematite, ser	(5)	(<5)	(5% of phenos)	(55% of phenos)	(20% of phenos)	-----do-----	Spec	
74AFr639A	B-1	10	---Do.---	Hypidiomorphic-granular	Medium	Moderate: czs, ep, musc, ser, 40% to 60% of bio to chl	Δ 10	0	18	40	31	Tour, zir	Spec	
74AFr3045A	B-1	10	---Do.---	-----do-----	--do--	Moderate: 40% of bio to chl	(5)	(0)	(20)	(40)	(35)	All, ep, op, zir	Spec	
74AFr3047	B-1	10	Granite	Hypidiomorphic-inequi-granular	--do--	Moderate: ser, 20% to 25% of bio to chl	(5)	(0)	(40)	(25)	(30)	Ap, op, sph		Poikilitic K-spar
74AFr3093	A-1	10	Granodiorite	Hypidiomorphic-granular	--do--	Very minor: chl, czs, ser	Δ 14	0	7	48	30	All, ap, op, tour, zir, myrmekite		Some euhedral bio and a few small aggregates of bio crystals
74AWr166	B-1	10	---Do.---	-----do-----	--do--	Minor: chl, ser	Δ 7	0	17	43	32	Ap, musc, ep, op, zir		<1% primary musc
74AWr170	B-1	10	Granite	Hypidiomorphic-inequi-granular	Medium to coarse	Moderate: chl, clays	Δ 6	0	21	36	36	Ep, musc (1%), zir, myrmekite		Poikilitic K-spar and some K-spar perthitic
74AWr172A	B-1	10	Granodiorite	Hypidiomorphic-granular	Medium	Moderate: chl, ser	* 12	<1	11	45	30	All, op, zir		
75AFr660A	D-1	11	---Do.---	Hypidiomorphic-inequi-granular; cataclastic	Fine to medium	Minor: chl, ser	Δ 4	0	11	50	35	Ap, ep, sp, op		Locally mylonitic with pronounced bio lineation
75AFr759	D-1	11	Granite	Hypidiomorphic-inequi-granular	-----do-----	-----do-----	Δ 5	0	32	40	23	All, ap, op, sp, tour		
75AFr4193	D-1	11	--Do.--	Hypidiomorphic-granular	Medium	Moderate: chl, ser	Δ 6	0	23	42	29	Ap, ep, op		Deformed bio
65AWr5A	D-6	12	--Do.--	Porphyritic	K-spar phenos (15 mm long)									K/Ar age 89.8 ± 3.5 m.y. on bio (oral commun., R. B. Forbes, 1970). (Thin section not available)