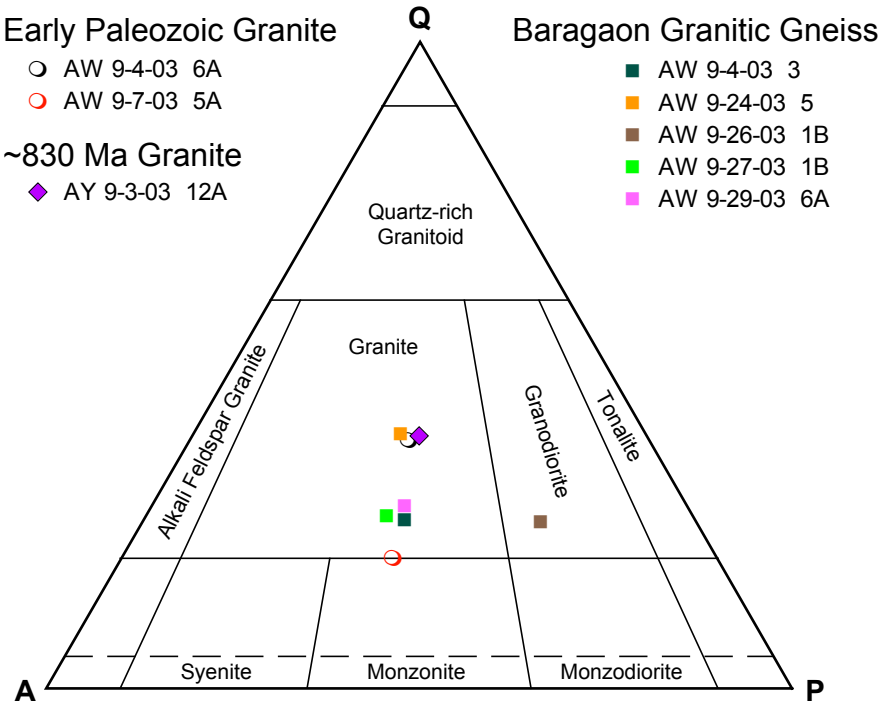
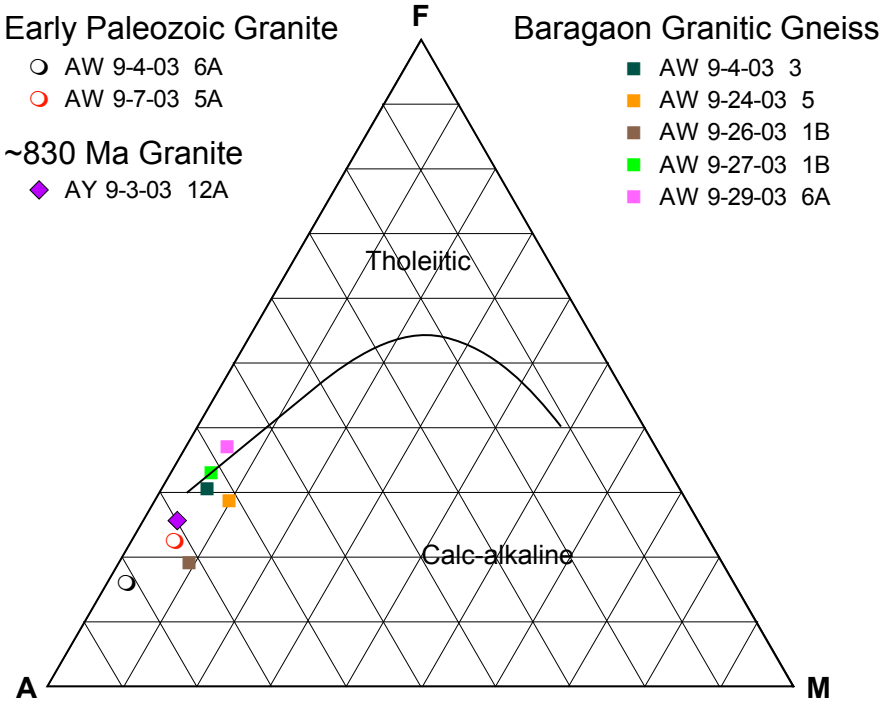
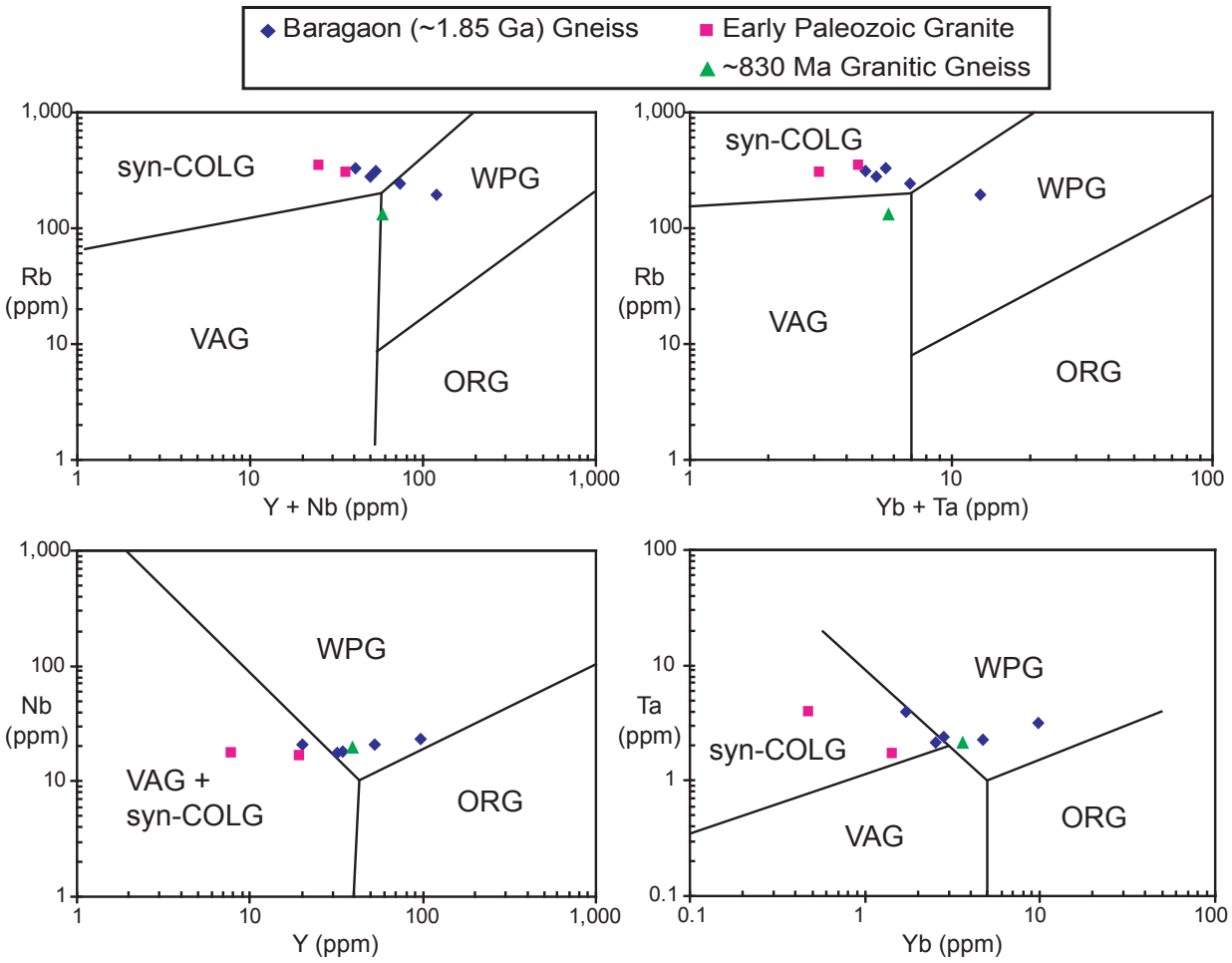


Supplemental File 3. A. Webb et al.



Supplemental File 3. B. Webb et al.



Supplemental File 3. C. Webb et al.

Supplemental File 3.D. Table of Geochemical Data for Granitoid Samples

[* All iron as Fe_2O_3; < : not detected at that lower limit]

Sample	AW 9-7-03 5A	AW 9-4-03 6A	AY 9-3-03 12A	AW 9-29-03 6A	AW 9-27-03 1B
Description	Mandi Granite	Near-edge Mandi Gr	Audi Gn (~0.85 Ga)	Baragaon Gn (1.85)	Baragaon Gn (1.85)
SiO_2	66.14	73.04	73.08	65.83	65.30
TiO_2	0.548	0.178	0.261	0.897	0.636
Al_2O_3	15.89	14.12	13.13	13.69	15.32
Fe_2O_3*	3.15	1.63	2.77	5.15	4.67
MnO	0.038	0.027	0.023	0.061	0.062
MgO	0.79	0.26	0.47	0.73	0.74
CaO	1.81	0.60	1.19	2.45	1.64
Na_2O	2.98	2.99	2.70	2.24	2.43
K_2O	6.41	4.85	4.41	5.25	5.73
P_2O_5	0.19	0.25	0.08	0.19	0.14
LOI	0.84	1.44	1.09	2.78	2.15
TOTAL	98.79	99.40	99.20	99.26	98.83
Rb	305	351	134	243	312
Ba	833	205	1,140	1,530	771
Nb	16.6	17.4	19.4	20.8	18.3
Sr	170	62	158	160	117
Sc	6	3	10	11	9
Be	2	2	3	4	4
V	29	-5	16	15	22
Cr	< 20	< 20	< 20	< 20	20
Co	38	68	55	46	39
Ni	< 20	< 20	< 20	< 20	< 20
Cu	< 10	< 10	< 10	< 10	< 10
Zn	45	49	< 30	93	< 30
Ga	19	19	15	22	20
Ge	1.3	1.7	1.2	1.4	1.2
Cs	7.3	40.3	1.8	8.3	7.0
Y	19.3	7.8	39.0	52.7	34.5
Zr	200	70	133	389	252
Sb	0.2	0.4	0.4	0.5	0.5
La	62.3	13.0	61.1	81.3	68.7
Ce	132	27.4	113	145	135
Pr	16.4	3.19	12.7	16.9	16.2
Nd	62.0	12.0	45.3	61.9	58.4
Sm	11.5	3.16	8.20	11.7	11.0
Eu	1.29	0.398	1.43	2.09	1.14
Gd	8.33	3.29	7.70	11.1	9.63
Tb	0.93	0.49	1.19	1.63	1.25
Dy	4.28	1.97	7.06	9.42	6.87
Ho	0.67	0.24	1.40	1.86	1.19
Er	1.85	0.59	4.15	5.43	3.20
Tm	0.244	0.075	0.578	0.755	0.430
Yb	1.43	0.48	3.59	4.73	2.55
Lu	0.226	0.071	0.591	0.758	0.381
Hf	6.2	2.6	4.4	11.7	7.8
Ta	1.69	3.92	2.15	2.26	2.14
Tl	3.66	3.97	0.68	3.12	3.51
Pb	72	39	7	67	33
Th	63.7	9.30	29.1	31.7	51.1
U	4.00	2.03	3.53	4.39	4.35
La/Yb	43.62	27.07	17.02	17.17	26.92
Σ_{REE}	303.4	66.3	267.6	354.1	315.7

Supplemental File 3.D. continued. Table of Geochemical Data for Granitoid Samples

Sample	AW 9-26-03 1B	AW 9-24-03 5	AW 9-4-03 3
Description	Baragaon Gn (1.85)	Baragaon Gn (1.85)	Baragaon Gn (1.85)
SiO_2	68.26	68.21	67.28
TiO_2	0.534	0.472	0.663
Al_2O_3	16.60	15.49	15.02
Fe_2O_3	2.33	3.48	4.27
MnO	0.029	0.035	0.049
MgO	1.11	1.14	0.81
CaO	0.63	0.66	2.06
Na_2O	5.23	2.50	2.61
K_2O	3.01	4.44	5.65
P_2O_5	0.12	0.19	0.13
LOI	1.48	1.95	1.17
TOTAL	99.32	98.56	99.71
Rb	194	330	278
Ba	310	408	882
Nb	23.2	20.7	17.8
Sr	29	62	162
Sc	6	9	10
Be	4	4	4
V	7	24	22
Cr	< 20	20	< 20
Co	47	38	51
Ni	< 20	< 20	< 20
Cu	< 10	< 10	< 10
Zn	< 30	31	52
Ga	23	23	19
Ge	1.6	1.1	1.4
Cs	4.5	6.4	11.8
Y	96.1	20.0	32.0
Zr	229	173	205
Sb	0.2	0.3	0.7
La	101	30.3	69.9
Ce	210	59.8	133
Pr	25.8	7.04	15.6
Nd	93.8	25.8	56.4
Sm	20.0	5.27	10.2
Eu	0.915	0.643	1.19
Gd	17.7	4.75	8.46
Tb	2.76	0.66	1.14
Dy	16.2	3.69	6.17
Ho	3.34	0.66	1.10
Er	10.6	1.89	3.37
Tm	1.59	0.270	0.475
Yb	9.68	1.72	2.82
Lu	1.49	0.275	0.462
Hf	8.0	5.3	6.6
Ta	3.19	3.93	2.36
Tl	1.66	2.80	3.65
Pb	13	10	50
Th	73.9	24.8	48.2
U	5.79	4.36	4.05
La/Yb	10.41	17.64	24.76
Σ_{REE}	515.0	142.7	310.6