TABLE DR 1. GEOCHEMISTRY OF WEDB METASEDIMENTARY ROCKS

Sample	Data Source	Unit	Rock type	SiO_2	Al_2O_3	TiO_2	FeO*	MnO	MgO	CaO	Na_2O	K_2O	Zr (ppm)	Ti/Zr
Z-1	This study	Emuckfaw Group	Schist	72.41	15.40	0.38	3.29	0.04	1.16	0.46	1.41	4.76	207	11
HCM 34-A	1	Emuckfaw Group	Schist	61.77	18.80	1.01	6.60	0.01	2.83	1.62	2.15	4.32		
HCM 148	1	Emuckfaw Group	Schist	75.78	12.62	0.38	2.79	0.05	0.58	1.35	5.86	0.24		
HCM 258-A	1	Emuckfaw Group	Schist	60.90	18.78	1.03	7.07	0.13	3.37	1.30	1.58	4.98		
HCM 273-A	1	Emuckfaw Group	Schist	55.28	24.19	1.10	7.56	0.12	2.47	0.74	1.68	5.94		
HCM 277-B	1	Emuckfaw Group	Schist	68.34	17.22	0.94	4.77	0.07	1.21	0.64	1.80	4.43		
RCM 69	1	Emuckfaw Group	Schist	81.35	8.39	0.62	6.25	0.03	0.69	0.14	0.46	2.30		
RCM 73	1	Emuckfaw Group	Schist	81.85	10.48	0.47	2.80	0.02	0.58	0.19	0.42	2.86		
RCM 74	1	Emuckfaw Group	Schist	72.54	12.34	1.50	4.95	0.08	1.49	0.98	2.76	2.76		
RCM 79-B	1	Emuckfaw Group	Schist	53.60	25.34	1.89	7.90	0.05	1.96	0.53	1.04	6.74		
RCM 80-A	1	Emuckfaw Group	Schist	66.47	15.20	1.43	5.74	0.09	2.00	1.99	3.37	3.02		
RCM 80-B	1	Emuckfaw Group	Schist	77.49	10.30	0.74	4.13	0.05	1.18	0.48	2.22	2.92		
RCM 86	1	Emuckfaw Group	Schist	70.60	12.89	0.91	4.68	0.10	1.37	2.39	3.59	2.90		
RCM 88	1	Emuckfaw Group	Schist	66.04	15.06	1.20	7.24	0.12	3.27	1.51	1.98	2.43		
RCM 89-B	1	Emuckfaw Group	Schist	71.21	14.87	0.88	5.29	0.07	1.27	0.49	1.62	3.67		
RCM 136-B	1	Emuckfaw Group	Schist	62.04	17.86	1.54	10.88	0.16	0.86	0.53	1.21	3.68		
RCM 158	1	Emuckfaw Group	Schist	86.10	8.60	0.38	1.03	0.02	0.29	0.15	1.30	2.00		
RCM 212	1	Emuckfaw Group	Schist	76.94	12.26	0.54	4.60	0.05	0.60	0.10	0.91	3.48		
RCM 19-23-1A	1	Emuckfaw Group	Schist	65.42	15.76	0.96	9.68	0.11	1.76	0.22	1.01	3.95		
RCM 21-21-1	1	Emuckfaw Group	Schist	66.35	17.99	0.84	6.50	0.14	2.08	0.46	1.10	3.75		
RCM 17-24	1	Emuckfaw Group	Gneiss	71.64	18.48	1.86	0.88	0.01	0.27	1.32	4.39	0.09		
RCM 87	1	Emuckfaw Group	Gneiss	68.53	13.99	1.22	4.64	0.11	1.64	3.00	4.51	1.32		
RCM 92	1	Emuckfaw Group	Gneiss	85.78	7.22	0.45	3.16	0.01	0.52	0.30	1.53	1.04		
RCM 215	1	Emuckfaw Group	Gneiss	78.93	12.40	0.13	0.28	0.04	0.18	0.56	2.99	4.41		
RCM 226	1	Emuckfaw Group	Gneiss	76.36	11.77	0.62	4.26	0.08	1.53	1.09	1.76	2.02		
RCM 227A	1	Emuckfaw Group	Gneiss	78.84	11.49	0.40	0.88	0.07	0.06	0.25	3.31	4.53		
RCM 229	1	Emuckfaw Group	Gneiss	79.02	11.53	0.82	2.74	0.07	1.41	0.32	1.09	2.67		
HCM 273B	1	Emuckfaw Group	Gneiss	72.29	12.59	0.73	5.15	0.07	1.71	1.29	2.28	3.25		
HCM 277A	1	Emuckfaw Group	Gneiss	64.83	16.01	0.89	5.36	0.11	2.15	2.76	4.65	1.90		
HCM 278A	1	Emuckfaw Group	Gneiss	69.20	12.13	1.36	6.32	0.16	1.83	4.20	3.69	0.32		
HCM 294	1	Emuckfaw Group	Gneiss	76.80	12.50	0.43	1.28	0.05	0.13	0.62	2.78	5.20		
GG 18	2	Emuckfaw Group	Schist	81.69	8.77	0.74	3.00	0.05	0.99	0.29	0.19	1.03	400	11
GG 90	2	Emuckfaw Group	Schist	86.34	6.48	0.52	2.33	0.02	0.24	0.12	0.78	1.23	400	8
GG 90G	2	Emuckfaw Group	Schist	62.47	19.10	1.06	8.88	0.02	1.12	1.25	0.81	3.42	180	35
GG 153	2	Emuckfaw Group	Schist	73.47	12.86	0.92	5.33	0.04	1.30	1.03	2.08	2.00	350	16
GG 154	2	Emuckfaw Group	Schist	72.67	13.94	0.87	3.65	0.04	1.06	1.83	3.38	1.43	410	13
GG 167A	2	Emuckfaw Group	Schist	43.55	21.02	1.09	10.77	0.25	7.34	8.83	2.98	0.36	40	163
CACM 821	1	Jackson's Gap Group	Schist	82.52	9.59	0.75	2.36	0.04	0.35	0.15	1.61	2.32		
CACM 837-A	1	Jackson's Gap Group	Schist	73.15	12.25	0.85	4.14	0.10	1.17	1.22	0.32	3.40		
CACM 837-B	1	Jackson's Gap Group	Schist	63.49	18.00	1.04	7.08	0.11	2.74	0.27	2.18	4.25		
HCM 261-B	1	Jackson's Gap Group	Schist	72.38	13.19	1.04	5.28	0.08	1.98	0.89	1.68	2.85		
HCM 261-C	1	Jackson's Gap Group	Schist	72.77	13.21	0.74	5.99	0.08	1.72	0.63	1.46	2.69		
HCM 261-D	1	Jackson's Gap Group	Schist	71.32	13.18	0.65	5.53	0.13	1.72	2.22	3.10	1.47		
RCM 131	1	Jackson's Gap Group	schist	76.73	10.36	0.72	5.64	0.04	1.43	0.46	0.18	2.18		
RCM 132-A	1	Jackson's Gap Group	schist	70.72	14.21	0.11	1.34	0.03	0.22	0.03	0.14	4.44		
RCM 227	1	Jackson's Gap Group	Schist	68.03	11.35	0.84	8.78	0.07	0.70	0.01	1.09	8.12		
RCM 241-B	1	Jackson's Gap Group	Schist	72.51	19.05	0.72	2.63	0.04	0.48	0.01	1.05	3.19		
RCM 241-C	1	Jackson's Gap Group	Schist	71.17	14.24	0.74	5.37	0.08	2.19	0.53	1.10	3.94		
RCM 23-20-1	1	Jackson's Gap Group	Schist	62.80	18.35	0.96	7.19	0.09	2.90	0.85	2.45	3.55		
RCM 132B	1	Jackson's Gap Group	Gneiss	78.92	10.79	0.68	4.35	0.05	0.98	0.19	0.43	2.07		
RCM 209	1	Jackson's Gap Group	Gneiss	76.45	13.47	0.10	0.74	0.05	0.85	0.24	3.10	5.50		
RCM 211	1	Jackson's Gap Group	Gneiss	76.97	12.43	0.18	1.55	0.04	0.20	0.23	3.23	4.97		
HCM 259	1	Jackson's Gap Group	Gneiss	75.11	13.80	0.38	1.37	0.01	0.29	0.70	2.98	5.10		
HCM 261E	1	Jackson's Gap Group	Gneiss	75.90	12.05	0.63	4.22	0.06	1.35	1.15	2.13	2.00		
CACM 01A	1	Jackson's Gap Group	Gneiss	72.12	14.75	0.52	2.57	0.07	0.79	0.96	3.87	4.00		
CACM 01B	1	Jackson's Gap Group	Gneiss	88.98	5.32	0.34	0.58	0.03	0.09	0.13	0.61	3.81		
CACM 02	1	Jackson's Gap Group	Gneiss	78.84	10.63	0.27	1.02	0.04	0.08	0.47	1.56	6.91		
CACM 03	1	Jackson's Gap Group	Gneiss	96.20	0.88	0.28	0.49	0.02	0.12	0.16	1.51	0.25		
CACM 04	1	Jackson's Gap Group	Gneiss	78.66	12.41	0.36	0.48	0.04	0.04	0.29	2.32	5.31		
CACM 838	1	Jackson's Gap Group	Gneiss	68.98	16.94	0.59	1.98	0.05	0.72	1.22	4.59	4.66		
DCM 210	1	Jackson's Gap Group	Gneiss	70.03	16.15	0.62	2.27	0.07	0.92	2.07	5.56	2.01		
DCM 243	1	Jackson's Gap Group	Gneiss	67.88	17.92	0.93	3.56	0.09	1.15	1.37	2.23	4.43		
CBCM 16	1	Jackson's Gap Group	Gneiss	74.90	13.72	0.52	1.55	0.05	0.62	1.08	3.54	3.81		
CBCM 62-A	1	Sandy Springs Group	Schist	59.63	14.64	0.72	15.89	0.36	2.30	1.50	0.77	2.09		
CBCM 62-E	1	Sandy Springs Group	Schist	63.82	18.76	0.90	6.80	0.11	2.50	0.48	1.43	4.40		
DCM 14	1	Sandy Springs Group	Schist	46.04	32.27	2.22	5.77	0.03	1.32	0.21	2.97	8.48		
DCM 15	1	Sandy Springs Group	Schist	66.02	18.37	0.86	5.27	0.05	1.65	0.20	2.36	4.59		
DCM 22-1	1	Sandy Springs Group	Schist	53.82	20.42	1.40	8.76	0.13	3.16	2.03	3.70	5.54		
DCM 39-2	1	Sandy Springs Group	Schist	52.21	26.23	1.26	8.19	0.07	2.15	0.13	1.01	7.78		
DCM 67	1	Sandy Springs Group	Schist	75.01	11.64	0.70	4.74	0.15	1.06	0.71	3.22	2.19		
DCM 258	1	Sandy Springs Group	Schist	68.15	16.38	0.67	5.79	0.18	1.95	0.73	1.28	4.20		
HCM 278-B	1	Sandy Springs Group	Schist	62.29	17.32	1.02	6.76	0.14	2.72	2.21	3.37	3.35		
HCM 34	1	Sandy Springs Group	Gneiss	67.99	13.85	0.99	6.00	0.11	1.79	3.13	4.24	1.17		
CACM 817A	1	Sandy Springs Group	Gneiss	92.35	0.78	0.24	5.08	0.03	0.10	0.14	0.55	0.13		
CACM 817B	1	Sandy Springs Group	Gneiss	70.90	17.89	0.48	1.36	0.05	0.38	0.53	2.94	5.26		
CACM 820	1	Sandy Springs Group	Gneiss	70.58	13.86	0.84	4.67	0.07	1.45	1.44	3.42	3.09		
DCM 54	1	Sandy Springs Group	Gneiss	74.66	11.10	0.64	4.47	0.11	1.00	1.33	4.40	1.75		
DCM 61	1	Sandy Springs Group	Gneiss	75.55	11.19	0.83	3.64	0.12	1.10	2.21	3.53	1.89		
DCM77	1	Sandy Springs Group	Gneiss	87.56	6.05	0.49	1.88	0.09	0.33	0.35	2.02	1.01		
DCM 22-2	1	Sandy Springs Group	Gneiss	69.10	11.98	1.03	5.45	0.08	1.57	1.73	5.79	2.63		

DCM 27-1	1	Sandy Springs Group	Gneiss	85.17	6.09	0.36	2.32	0.06	0.40	0.56	3.86	0.90		
DCM 34	1	Sandy Springs Group	Gneiss	68.24	18.92	0.65	5.05	0.15	1.62	1.96	5.52	2.28		
DCM 36	1	Sandy Springs Group	Gneiss	74.02	12.10	0.89	4.53	0.12	1.37	2.07	3.09	1.26		
DCM 39-1	1	Sandy Springs Group	Gneiss	69.12	13.89	0.95	6.53	0.09	2.05	1.07	1.95	3.55		
DCM 213	1	Sandy Springs Group	Gneiss	75.29	11.75	0.69	2.67	0.08	1.17	1.27	5.10	1.63		
CBCM 62-B	1	Sandy Springs Group	Gneiss	62.46	12.57	0.82	14.47	1.27	1.63	2.30	1.31	1.48		
CBCM 62-D	1	Sandy Springs Group	Gneiss	61.81	12.94	0.78	14.85	0.98	1.89	1.53	1.40	2.10		
RPV013	This study	New Georgia Group	Gneiss	75.32	10.85	0.78	5.00	0.07	1.42	1.06	2.54	2.21	395	12
RPV057	This study	New Georgia Group	Schist	63.76	18.04	1.20	9.10	0.07	2.44	0.72	0.70	4.11	189	38
AZ-4	This study	Wedowee Group	Schist	73.74	14.81	1.01	4.43	0.03	1.22	0.20	2.04	2.23	418	14
LNE002	This study	Wedowee Group	Schist	69.14	19.83	1.30	3.92	0.01	0.88	0.12	1.05	4.05	339	23
GATPD 2-2	2	Wedowee Group	Schist	53.93	13.75	1.12	7.44	0.10	6.38	5.75	2.91	2.03	140	48
GATPD 2-5	2	Wedowee Group	Schist	63.63	17.40	1.22	7.31	0.06	2.17	0.42	1.58	3.63	140	52
GATPD 2-6	2	Wedowee Group	Schist	67.70	14.86	0.87	6.16	0.03	2.06	0.73	1.53	3.51	140	37
GG 43	2	Wedowee Group	Schist	54.81	24.48	1.51	7.52	0.04	1.71	0.06	0.72	4.86	180	50
GG 43A	2	Wedowee Group	Schist	48.68	30.60	1.71	6.17	0.02	0.97	0.10	1.12	6.42	200	51
GG 96	2	Wedowee Group	Schist	57.23	21.77	1.64	8.71	0.06	1.71	0.05	0.32	3.55	120	82
GG 101	2	Wedowee Group	Schist	56.72	24.69	1.37	6.61	0.04	1.72	0.22	1.23	4.03	120	68
GG 102	2	Wedowee Group	Schist	56.66	23.12	1.34	7.89	0.04	2.49	0.21	0.83	3.54	120	67
GG 107	2	Wedowee Group	Schist	49.08	30.46	1.62	5.52	0.01	0.73	0.04	1.00	5.82	160	61
GG 132	2	Wedowee Group	Schist	61.72	15.45	1.32	7.89	0.28	4.39	2.13	3.97	0.38	130	61
GG135	2	Wedowee Group	Schist	64.10	18.59	1.24	7.40	0.06	1.38	0.04	0.50	3.07	180	41
HMC 7	2	Wedowee Group	Schist	70.05	11.93	0.91	4.49	0.08	1.44	3.76	2.41	1.59	220	25
HMC 9	2	Wedowee Group	Schist	69.27	13.62	1.17	6.59	0.05	2.07	0.73	2.04	2.08	190	37
LD 69	2	Wedowee Group	Schist	54.89	26.32	1.38	5.80	0.03	1.11	0.07	0.77	5.25	160	52

Note- All oxides are recalculated on volatile free basis and expressed as weight percent(%).

FeO*- Total Fe as Fe_2O_3 + FeO

Data Sources: 1-Crawford and Medlin, 1974; 2- Guthrie and Dean, 1989

TABLE DR 2 SENSITIVE HIGH RESOLUTION ION MICROPROBE-REVERSE GEOMETRY U-Th-Pb DATA FOR DETRITAL ZIRCONS

					Ages (in Ma)					Radiogenic Ratios†							
Analysis label	% common 206Pb#	ppm U	ppm Th	232Th /238U	206Pb /238U Age*	±1σ error	207Pb /206Pb Age^	±1σ error	% Dis-cor-dant	238U/ 206Pbr	% error	207Pbr /206Pbr	% error	207Pbr /235U	% error	206Pbr /238U	% error
AZ 5: Wedowee Group (N33° 08.978', W85° 35.674')																	
AZ5-6.1	0.25	120	99	0.85	453.7	5.7	458	69	1	13.71	1.3	.0562	3.1	0.56	3.3	.0729	1.3
AZ5-12.1	0.28	108	82	0.79	455.5	5.9	501	62	10	13.64	1.3	.0573	2.8	0.58	3.1	.0733	1.3
AZ5-52.1	-0.03	392	214	0.56	456.1	3.3	432	33	-5	13.65	0.7	.0555	1.5	0.56	1.7	.0733	0.7
AZ5-9.1	0.09	113	80	0.74	463.0	6.5	414	91	-10	13.45	1.4	.0551	4.1	0.56	4.3	.0744	1.4
AZ5-13.1	0.16	122	85	0.72	467.3	5.7	442	70	-5	13.31	1.2	.0557	3.1	0.58	3.4	.0751	1.2
AZ5-58.1	-0.11	142	76	0.55	467.8	5.5	306	96	-34	13.35	1.2	.0525	4.2	0.54	4.4	.0749	1.2
AZ5-14.1	-0.25	49	16	0.34	573.4	11.1	743	168	29	10.69	2.0	.0641	8.0	0.83	8.2	.0936	2.0
AZ5-35.1	0.87	68	26	0.39	824.3	11.4	941	88	14	7.30	1.5	.0704	4.3	1.33	4.5	.1370	1.5
AZ5-30.1	0.29	74	46	0.64	897.5	11.9	921	50	3	6.69	1.4	.0698	2.4	1.44	2.8	.1495	1.4
AZ5-45.1	0.26	104	51	0.51	910.0	10.2	887	61	-2	6.60	1.2	.0686	2.9	1.43	3.2	.1514	1.2
AZ5-11.1	0.49	35	19	0.56	911.0	16.7	934	80	2	6.58	1.9	.0702	3.9	1.47	4.3	.1519	1.9
AZ5-18.1	0.77	39	13	0.34	912.0	17.2	1068	62	16	6.54	1.9	.0750	3.1	1.58	3.6	.1530	1.9
AZ5-55.2	0.56	43	19	0.46	919.2	16.5	1010	60	9	6.50	1.8	.0729	3.0	1.55	3.5	.1538	1.8
AZ5-40.2	0.70	43	13	0.31	942.5	17.5	971	86	3	6.34	1.9	.0715	4.2	1.55	4.6	.1576	1.9
AZ5-22.2	-0.07	166	55	0.34	942.4	9.0	888	38	-6	6.37	1.0	.0687	1.8	1.49	2.1	.1571	1.0
AZ5-32.1	-0.30	52	16	0.33	959.6	14.9	885	50	-8	6.25	1.6	.0685	2.4	1.51	2.9	.1600	1.6
AZ5-53.2	0.02	144	35	0.25	965.6	9.3	959	30	-1	6.19	1.0	.0710	1.5	1.58	1.8	.1615	1.0
AZ5-22.1	0.31	81	33	0.42	970.1	11.1	1020	38	5	6.14	1.2	.0732	1.9	1.64	2.2	.1627	1.2
AZ5-46.1	0.28	58	28	0.50	973.8	14.8	983	58	1	6.13	1.6	.0719	2.9	1.62	3.3	.1631	1.6
AZ5-43.1	0.92	33	12	0.36	975.4	20.0	934	173	-4	6.13	2.2	.0702	8.4	1.58	8.7	.1630	2.2
AZ5-33.1	0.50	37	4	0.11	976.1	18.5	1004	82	3	6.11	2.0	.0727	4.0	1.64	4.5	.1636	2.0
AZ5-1.1	0.35	83	61	0.76	979.8	10.8	1055	33	7	6.07	1.1	.0745	1.7	1.69	2.0	.1647	1.1
AZ5-60.1	-0.11	50	26	0.54	980.7	15.8	887	63	-9	6.11	1.7	.0686	3.1	1.55	3.5	.1637	1.7
AZ5-10.1	-0.15	46	21	0.47	981.9	16.3	946	51	-4	6.09	1.7	.0706	2.5	1.60	3.0	.1643	1.7
AZ5-2.1	0.57	130	69	0.55	983.9	9.9	1068	52	8	6.04	1.0	.0750	2.6	1.71	2.8	.1655	1.0
AZ5-37.1	0.14	27	19	0.72	985.0	21.1	914	87	-7	6.08	2.2	.0695	4.2	1.58	4.8	.1646	2.2
AZ5-39.1	0.38	110	4	0.04	985.7	10.6	1033	38	5	6.04	1.1	.0737	1.9	1.68	2.2	.1655	1.1
AZ5-29.1	-0.03	154	44	0.30	988.2	9.0	972	28	-2	6.04	0.9	.0715	1.4	1.63	1.7	.1656	0.9
AZ5-57.1	0.11	126	47	0.38	994.2	10.3	997	33	0	6.00	1.1	.0724	1.6	1.66	1.9	.1668	1.1
AZ5-51.1	0.19	111	49	0.46	997.2	11.0	1025	34	3	5.97	1.1	.0734	1.7	1.70	2.0	.1675	1.1
AZ5-21.1	-0.14	64	31	0.50	1000.3	14.2	991	49	-1	5.96	1.5	.0722	2.4	1.67	2.8	.1678	1.5
AZ5-7.1	0.28	65	44	0.70	1001.5	14.0	997	58	0	5.95	1.4	.0724	2.9	1.68	3.2	.1680	1.4
AZ5-55.1	-0.25	49	28	0.59	1001.4	16.4	809	89	-19	6.00	1.7	.0661	4.3	1.52	4.6	.1667	1.7
AZ5-40.1	0.19	709	276	0.40	1003.6	4.3	1041	13	4	5.93	0.4	.0740	0.6	1.72	0.8	.1687	0.4
AZ5-36.1	0.09	156	108	0.72	1003.6	9.1	1021	27	2	5.93	0.9	.0733	1.3	1.70	1.6	.1686	0.9
AZ5-38.1	0.17	91	35	0.40	1004.6	12.3	1070	41	6	5.91	1.3	.0751	2.0	1.75	2.4	.1691	1.3
AZ5-49.1	0.08	94	36	0.40	1011.0	12.1	1010	38	0	5.89	1.2	.0728	1.9	1.71	2.2	.1698	1.2
AZ5-53.1	-0.24	33	12	0.39	1015.3	21.0	904	77	-11	5.89	2.1	.0692	3.8	1.62	4.3	.1698	2.1
AZ5-48.1	0.32	96	41	0.44	1017.5	12.0	1090	34	7	5.83	1.2	.0758	1.7	1.79	2.1	.1715	1.2

AZ5-20.1	0.14	193	62	0.33	1019.2	8.2	1060	25	4	5.83	0.8	.0747	1.2	1.77	1.5	.1716	0.8
AZ5-3.1	0.19	87	22	0.27	1025.2	12.0	1035	40	1	5.80	1.2	.0738	2.0	1.75	2.3	.1724	1.2
AZ5-47.1	-0.30	60	18	0.31	1025.3	15.0	925	48	-9	5.83	1.5	.0699	2.3	1.65	2.8	.1717	1.5
AZ5-26.1	-0.32	108	25	0.24	1028.5	10.8	939	33	-8	5.80	1.1	.0703	1.6	1.67	2.0	.1723	1.1
AZ5-27.1	0.10	33	3	0.08	1028.8	19.4	1052	55	2	5.77	1.9	.0744	2.7	1.78	3.4	.1732	1.9
AZ5-28.1	0.06	39	28	0.75	1038.6	18.4	1053	52	1	5.72	1.8	.0744	2.6	1.79	3.1	.1749	1.8
AZ5-42.1	-0.11	58	17	0.30	1042.0	15.7	1050	50	1	5.70	1.6	.0743	2.5	1.80	2.9	.1755	1.6
AZ5-8.1	-0.20	31	22	0.73	1042.3	21.0	1069	81	2	5.69	2.1	.0750	4.0	1.82	4.5	.1757	2.1
AZ5-59.1	-0.18	86	48	0.58	1043.0	12.7	965	42	-7	5.71	1.3	.0713	2.1	1.72	2.4	.1750	1.3
AZ5-24.1	-0.27	50	30	0.61	1045.5	15.8	936	54	-10	5.71	1.6	.0703	2.6	1.70	3.1	.1752	1.6
AZ5-5.1	-0.18	90	40	0.46	1046.3	12.2	971	40	-7	5.69	1.2	.0715	2.0	1.73	2.3	.1756	1.2
AZ5-1.1	-0.38	91	66	0.75	1046.5	13.2	920	50	-12	5.70	1.3	.0697	2.4	1.68	2.8	.1753	1.3
AZ5-19.1	-0.14	28	10	0.35	1050.0	22.2	958	74	-8	5.68	2.2	.0710	3.6	1.72	4.2	.1762	2.2
AZ5-17.1	-0.09	51	26	0.53	1051.5	16.2	1074	58	2	5.64	1.6	.0752	2.9	1.84	3.3	.1774	1.6
AZ5-23.1	-0.29	177	54	0.31	1056.2	8.5	966	28	-8	5.64	0.8	.0713	1.4	1.74	1.6	.1773	0.8
AZ5-44.1	-0.44	41	12	0.31	1069.4	19.1	967	62	-9	5.57	1.8	.0714	3.0	1.77	3.5	.1796	1.8
AZ5-16.1	-0.34	238	61	0.27	1078.3	7.4	1011	21	-6	5.51	0.7	.0729	1.0	1.82	1.2	.1815	0.7
AZ5-56.1	0.01	89	37	0.43	1107.3	13.2	1109	32	0	5.34	1.2	.0765	1.6	1.98	2.0	.1874	1.2
AZ5-54.1	0.34	151	129	0.89	1142.3	10.6	1195	30	4	5.15	1.0	.0799	1.5	2.14	1.8	.1943	1.0
AZ5-25.1	0.14	59	25	0.43	1161.1	16.0	1191	42	2	5.06	1.4	.0798	2.1	2.17	2.5	.1976	1.4
AZ5-50.1	0.12	90	31	0.35	1164.3	13.8	1160	34	0	5.05	1.2	.0785	1.7	2.14	2.1	.1979	1.2
AZ5-4.1	-0.18	114	19	0.18	1178.3	11.7	1131	28	-4	5.00	1.0	.0774	1.4	2.13	1.8	.2001	1.0
AZ5-41.1	0.00	40	25	0.67	1188.3	21.1	1136	62	-4	4.95	1.8	.0776	3.1	2.16	3.6	.2019	1.8
AZ5-31.1	0.09	106	34	0.33	1465.7	16.0	1482	24	1	3.91	1.1	.0927	1.2	3.27	1.7	.2555	1.1
AZ5-34.1	0.20	158	118	0.77	1595.5	13.2	1628	17	2	3.55	0.8	.1002	0.9	3.89	1.2	.2814	0.8
AZ 1: Emuckfaw Group (Josie Leg Formation)-(N33° 00.125', W85° 49.936')																	
AZ1a-3.2	0.87	681	110	0.17	387.0	4.4	386.4	4.4	12	16.16	1.2	.0556	3.1	0.47	3.3	.0619	1.2
AZ1a-13.1	1.71	323	109	0.35	405.1	5.0	403.2	4.9	37	15.42	1.3	.0587	4.2	0.52	4.4	.0649	1.3
AZ1a-1.1	0.06	458	51	0.12	408.2	4.5	408.4	4.6	-4	15.30	1.1	.0545	1.7	0.49	2.1	.0654	1.1
AZ1a-33.1	1.69	213	38	0.18	419.5	5.6	417.5	5.5	37	14.87	1.4	.0592	5.4	0.55	5.6	.0672	1.4
AZ1a-28.1	3.16	248	55	0.23	422.9	5.6	418.7	5.4	71	14.75	1.4	.0634	6.0	0.59	6.2	.0678	1.4
AZ1a-37.1	0.87	347	83	0.25	424.5	4.9	423.8	4.9	13	14.69	1.2	.0567	3.4	0.53	3.6	.0681	1.2
AZ1a-30.1	0.52	300	46	0.16	427.4	5.3	426.8	5.3	11	14.59	1.3	.0565	2.8	0.53	3.1	.0685	1.3
AZ1a-22.1	1.08	132	40	0.31	430.6	6.5	434.6	6.3	-78	14.48	1.6	.0479	9.0	0.46	9.1	.0691	1.6
AZ1a-26.1	0.56	209	119	0.59	431.6	5.7	431.5	5.8	2	14.44	1.4	.0557	4.1	0.53	4.3	.0692	1.4
AZ1a-24.1	1.25	369	36	0.10	433.7	5.5	436.5	5.4	-53	14.37	1.3	.0502	7.0	0.48	7.1	.0696	1.3
AZ1a-18.1	0.07	329	34	0.11	445.2	5.3	446.1	5.4	-14	13.98	1.2	.0543	2.4	0.54	2.7	.0715	1.2
AZ1a-35.1	0.32	69	76	1.14	451.1	8.4	449.7	8.5	22	13.80	1.9	.0586	3.4	0.59	3.9	.0725	1.9
AZ1a-12.1	0.28	241	42	0.18	451.9	5.7	450.1	5.8	28	13.77	1.3	.0593	2.3	0.59	2.6	.0726	1.3
AZ1a-23.1	0.36	350	116	0.34	455.5	5.4	454.8	5.5	10	13.66	1.2	.0573	2.4	0.58	2.7	.0732	1.2
AZ1a-38.1	0.06	273	14	0.05	465.0	5.6	464.7	5.7	4	13.37	1.2	.0568	1.6	0.59	2.1	.0748	1.2
AZ1a-17.1	-0.11	148	61	0.43	470.4	6.5	470.9	6.7	-8	13.21	1.4	.0556	2.2	0.58	2.6	.0757	1.4
AZ1a-14.1	0.08	165	58	0.36	470.9	6.5	471.1	6.6	-3	13.20	1.4	.0561	2.4	0.59	2.8	.0758	1.4
AZ1a-34.1	0.01	66	56	0.88	471.6	9.0	474.7	9.1	-49	13.17	2.0	.0510	8.3	0.53	8.5	.0759	2.0
AZ1a-19.1	0.12	255	30	0.12	472.9	6.0	473.1	6.1	-3	13.14	1.3	.0561	2.3	0.59	2.6	.0761	1.3
AZ1a-10.1	-0.15	344	28	0.08	474.6	5.5	476.0	5.6	-21	13.09	1.2	.0541	1.9	0.57	2.3	.0764	1.2

AZ1a-31.1	1.01	97	66	0.70	476.1	8.4	479.0	8.1	-45	13.05	1.8	.0515	10.6	0.54	10.7	.0766	1.8
AZ1a-6.1	0.15	232	176	0.78	477.5	6.1	476.8	6.2	10	13.01	1.3	.0579	1.9	0.61	2.3	.0769	1.3
AZ1a-7.1	-0.07	213	292	1.41	477.7	6.2	479.4	6.3	-26	13.00	1.4	.0536	3.2	0.57	3.5	.0769	1.4
AZ1a-15.1	-0.19	127	55	0.45	477.9	7.0	479.1	7.2	-17	13.00	1.5	.0546	2.7	0.58	3.1	.0770	1.5
AZ1a-25.1	0.33	122	73	0.62	481.1	7.1	479.6	7.3	21	12.91	1.5	.0594	2.4	0.63	2.8	.0775	1.5
AZ1a-36.1	0.01	175	57	0.33	481.2	6.6	482.1	6.7	-12	12.90	1.4	.0553	3.0	0.59	3.3	.0775	1.4
AZ1a-5.1	0.10	173	38	0.23	481.5	6.4	481.5	6.6	0	12.90	1.4	.0567	2.2	0.61	2.6	.0775	1.4
AZ1a-16.1	0.12	65	64	1.01	483.8	8.9	480.6	8.8	42	12.83	1.9	.0624	5.8	0.67	6.1	.0779	1.9
AZ1a-11.1	0.00	64	47	0.76	486.4	9.0	488.1	9.2	-24	12.76	1.9	.0539	4.9	0.58	5.3	.0784	1.9
AZ1a-2.1	-0.22	298	317	1.10	488.7	5.7	489.7	5.9	-14	12.70	1.2	.0552	1.6	0.60	2.0	.0788	1.2
AZ1a-27.1	-0.06	236	79	0.35	491.6	6.0	491.9	6.1	-4	12.62	1.3	.0565	1.7	0.62	2.1	.0792	1.3
AZ1a-9.1	-0.10	202	53	0.27	504.6	6.4	505.5	6.5	-11	12.28	1.3	.0559	1.9	0.63	2.3	.0814	1.3
AZ1a-4.1	-0.10	99	88	0.92	512.9	8.1	516.0	8.2	-40	12.08	1.6	.0526	5.5	0.60	5.8	.0828	1.6
AZ1a-8.1	0.03	230	49	0.22	519.0	7.1	520.1	7.2	-13	11.93	1.4	.0559	3.1	0.65	3.4	.0838	1.4
AZ1a-29.1	-0.09	577	54	0.10	530.7	5.7	532.8	5.8	-24	11.65	1.1	.0548	2.2	0.65	2.5	.0858	1.1
AZ1a-3.1	0.20	933	630	0.70	937.6	8.7	936.2	9.1	4	6.39	1.0	.0716	0.6	1.55	1.2	.1566	1.0

Percentage of 206Pb that is common Pb

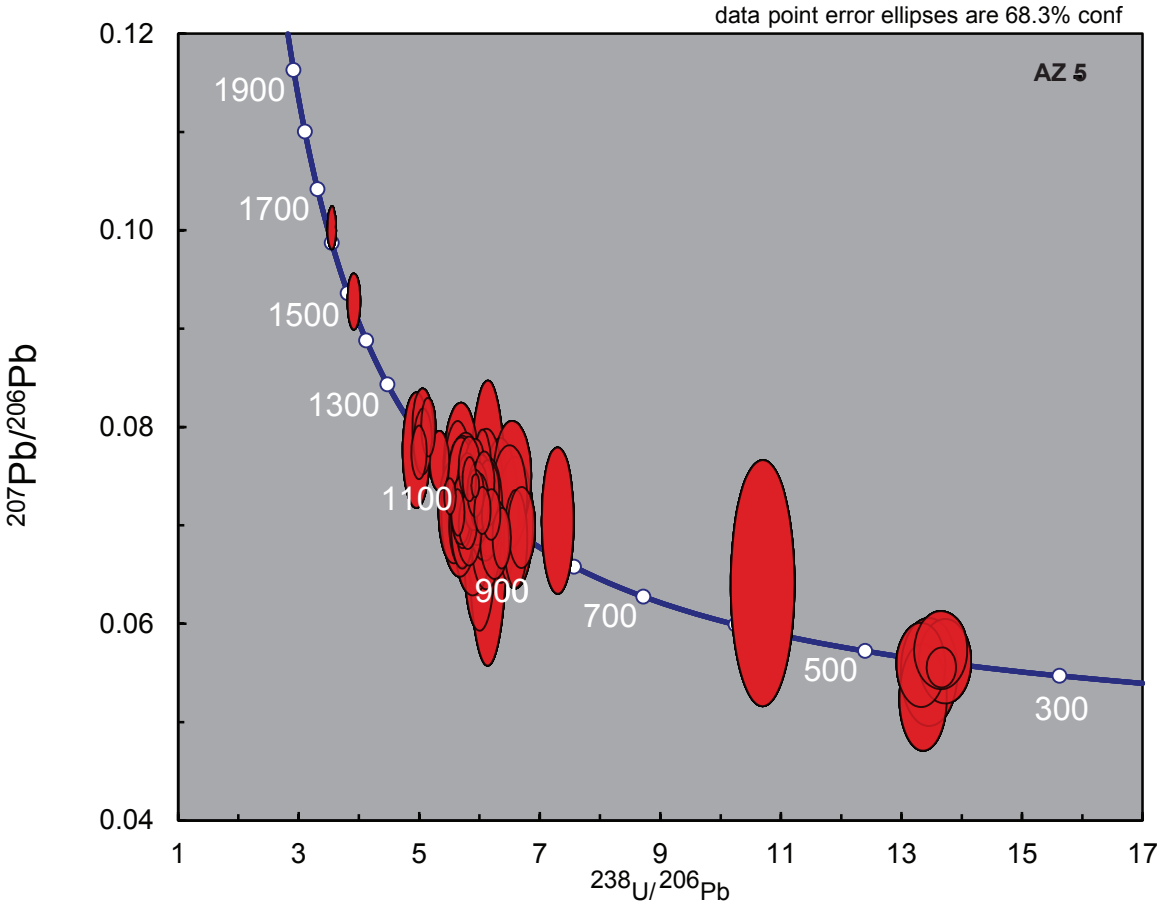
* Corrected for common Pb using 207Pb correction method

^ Corrected for common Pb using the 204Pb correction method

ˢ Radiogenic ratios, corrected for common Pb using the 204Pb correction method, based on the Stacey Kramers (1975) model.

Pbr- Radiogenic Pb

Analyses greater than 10% discordant are shaded in gray.



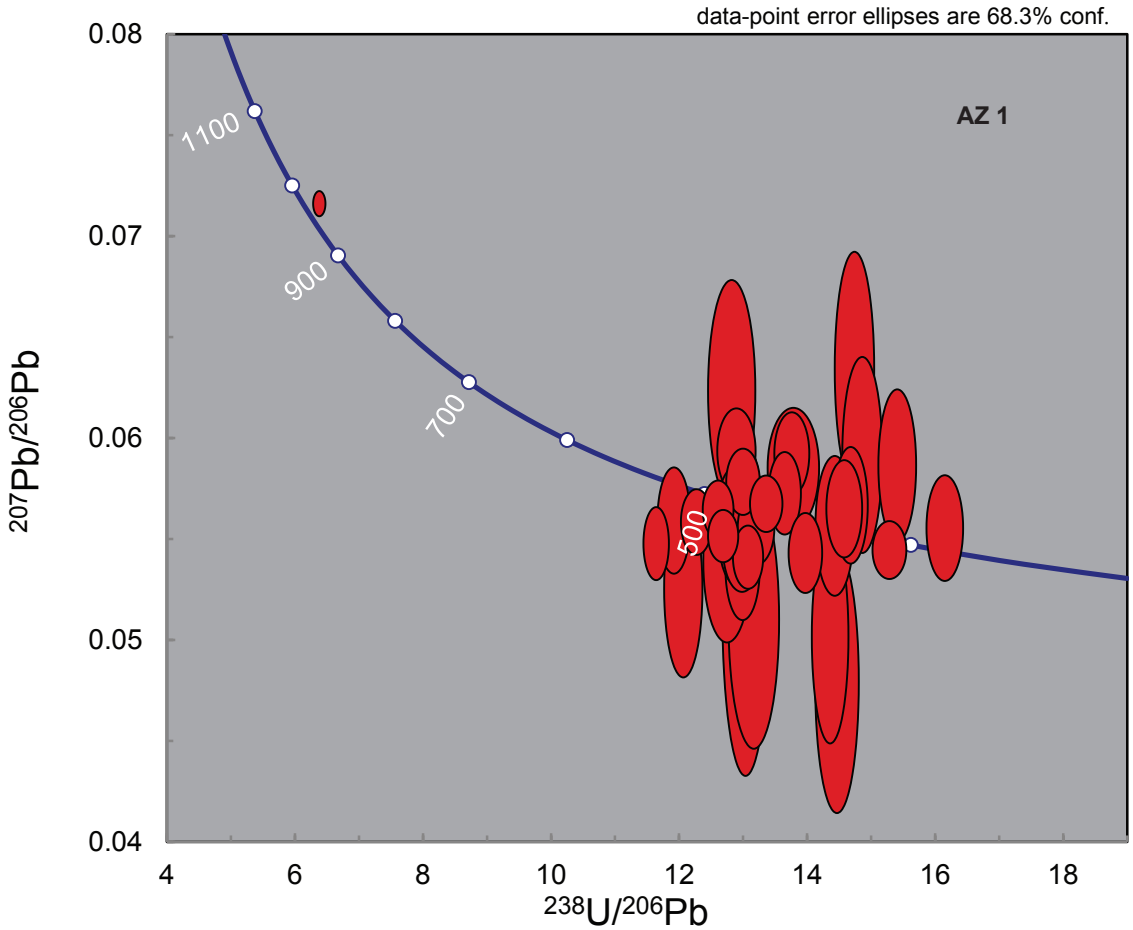


Figure 1. U-Pb Concordia diagrams (Tera-Wasserberg) of detrital zircon samples AZ 5 and AZ1. Ages are in Ma.

Table DR 3. Geochemistry of Mafic WEDB Rocks

Sample	Source^	Rock Type	Geologic Unit	Tectonic Domain	SiO2	TiO2	Al2O3	FeO*	MnO	MgO	CaO	Na2O	K2O	P2O5
CM-206	1	amphibolite	Coweeta Group	Northern WEDB	51.02	3.38	12.93	15.70	0.26	5.91	9.14	0.80	0.58	0.27
CM-490	1	amphibolite	Coweeta Group	Northern WEDB	48.56	1.91	12.48	17.56	0.24	5.51	12.09	1.17	0.32	0.15
CM-24	1	amphibolite	Otto Formation	Northern WEDB	51.52	0.91	15.52	10.03	0.17	8.07	11.49	1.76	0.43	0.09
CM-60	1	amphibolite	Otto Formation	Northern WEDB	51.27	1.16	15.68	11.77	0.21	7.08	10.81	1.56	0.35	0.10
CM-62	1	amphibolite	Otto Formation	Northern WEDB	51.53	1.09	14.65	11.10	0.19	7.59	11.47	1.91	0.37	0.09
CM-111	1	amphibolite	Otto Formation	Northern WEDB	53.36	1.31	14.08	12.10	0.20	6.15	10.12	2.12	0.43	0.12
CM-159	1	amphibolite	Otto Formation	Northern WEDB	48.89	0.80	15.53	11.28	0.20	9.03	11.32	2.50	0.40	0.05
CM-266	1	amphibolite	Otto Formation	Northern WEDB	46.61	1.07	17.08	11.30	0.23	5.88	16.75	0.66	0.35	0.08
CM-432	1	amphibolite	Otto Formation	Northern WEDB	48.36	1.76	14.01	16.96	0.26	6.53	9.34	2.42	0.21	0.14
CM-456	1	amphibolite	Otto Formation	Northern WEDB	49.54	0.86	15.83	10.62	0.19	9.17	10.30	3.03	0.39	0.06
CM-526	1	amphibolite	Otto Formation	Northern WEDB	47.32	1.08	16.13	11.98	0.24	8.11	13.24	1.65	0.20	0.06
CM-629	1	amphibolite	Otto Formation	Northern WEDB	46.64	2.23	15.33	17.15	0.27	7.37	8.99	1.66	0.20	0.17
CM-744	1	amphibolite	Otto Formation	Northern WEDB	55.48	1.77	14.66	10.48	0.16	5.23	8.33	3.39	0.38	0.11
DG-6	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	49.17	1.30	15.09	10.91	0.18	7.88	12.87	2.34	0.14	0.11
CM-287	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	49.37	1.30	15.22	11.21	0.18	7.75	12.08	2.33	0.44	0.11
CM-301	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	48.26	2.35	14.16	15.11	0.21	6.17	9.87	3.25	0.40	0.22
CM-402	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	48.82	1.17	15.67	10.72	0.21	10.00	10.86	2.25	0.24	0.08
CM-589	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	50.78	2.96	13.69	15.76	0.26	4.81	8.69	2.55	0.23	0.27
CM-580	1	amphibolite	Sally Free Mafic Complex	Northern WEDB	55.00	1.16	18.17	9.74	0.13	5.32	8.83	1.24	0.25	0.16
BGE-3	2	amphibolite	Univeter Formation	Northern WEDB	54.16	1.34	15.92	11.62	0.25	5.37	7.69	3.42	0.11	0.11
C-3	2	amphibolite	Univeter Formation	Northern WEDB	50.27	1.61	17.90	13.66	0.21	8.86	4.37	2.88	0.09	0.14
DAH-7	2	amphibolite	Univeter Formation	Northern WEDB	59.40	0.66	14.67	9.71	0.18	4.28	8.97	1.91	0.15	0.07
CL-12	2	amphibolite	Univeter Formation	Northern WEDB	46.44	0.78	16.96	8.05	0.16	11.31	13.93	1.99	0.31	0.06
H-9	2	amphibolite	Univeter Formation	Northern WEDB	50.03	0.41	17.26	7.50	0.16	9.47	11.40	2.38	0.89	0.48
A1	This study	amphibolite	Emuckfaw Group	Southern WEDB	50.27	0.83	16.38	9.48	0.19	6.85	11.57	3.91	0.44	0.07
B1	This study	amphibolite	Emuckfaw Group	Southern WEDB	49.63	1.43	14.70	11.57	0.20	8.10	11.95	2.11	0.19	0.11
GR114	This study	amphibolite	Emuckfaw Group	Southern WEDB	48.35	1.75	14.33	13.61	0.21	6.84	11.61	2.16	0.15	0.16
OUR047	This study	amphibolite	Emuckfaw Group	Southern WEDB	59.98	0.31	7.19	5.01	0.13	13.44	11.23	1.26	0.41	0.09
OUR054	This study	amphibolite	Emuckfaw Group	Southern WEDB	43.93	1.47	11.32	9.80	0.13	8.99	20.68	0.95	0.48	2.87
RM086	This study	amphibolite	Emuckfaw Group	Southern WEDB	49.04	1.44	15.70	11.82	0.19	6.82	12.34	2.32	0.25	0.07
RW41	This study	amphibolite	Emuckfaw Group	Southern WEDB	51.90	1.27	15.81	10.75	0.55	6.25	10.75	1.70	0.81	0.20
RW62	This study	mafic schist	Emuckfaw Group	Southern WEDB	46.79	1.31	15.84	11.76	0.20	8.44	13.79	1.60	0.18	0.08
WA3	This study	amphibolite	Emuckfaw Group	Southern WEDB	49.84	1.85	14.79	12.57	0.20	6.58	10.64	3.08	0.32	0.12
WA9	This study	amphibolite	Emuckfaw Group	Southern WEDB	56.82	0.65	16.81	8.85	0.16	4.93	8.40	2.85	0.48	0.05
WA11	This study	amphibolite	Emuckfaw Group	Southern WEDB	48.70	0.90	17.58	10.23	0.18	8.40	10.10	3.47	0.40	0.04
WA13	This study	amphibolite	Emuckfaw Group	Southern WEDB	47.50	1.17	16.88	11.16	0.19	6.37	13.22	3.08	0.37	0.06
WA14	This study	amphibolite	Emuckfaw Group	Southern WEDB	48.59	0.87	16.47	9.66	0.17	8.88	12.07	2.84	0.38	0.07
WA15	This study	amphibolite	Emuckfaw Group	Southern WEDB	52.18	1.72	14.98	12.19	0.18	5.33	9.58	3.29	0.41	0.13
M40	This study	amphibolite	Emuckfaw Group	Southern WEDB	50.86	3.33	15.90	14.10	0.31	6.90	6.65	1.20	0.35	0.41
CAM001	This study	amphibolite	Emuckfaw Group	Southern WEDB	49.91	0.19	16.54	6.54	0.15	10.79	15.02	0.67	0.19	0.00
CAM002B	This study	amphibolite	Emuckfaw Group	Southern WEDB	48.91	0.34	15.40	7.76	0.16	11.47	14.89	0.69	0.36	0.00
W12	This study	amphibolite	Emuckfaw Group	Southern WEDB	50.90	0.72	14.63	8.95	0.21	7.73	13.01	3.47	0.26	0.10
BDA*	3	amphibolite	Emuckfaw Group	Southern WEDB	49.90	1.26	14.51	10.70	0.28	7.86	12.58	2.70	0.22	0.00
CAR002	This study	amphibolite	New Georgia Group	Southern WEDB	44.17	0.58	17.18	11.40	0.26	5.95	20.35	0.31	0.04	0.09
RPV014	This study	amphibolite	New Georgia Group	Southern WEDB	49.21	0.99	17.23	8.92	0.31	6.34	13.64	3.31	0.12	0.09
RPV015	This study	amphibolite	New Georgia Group	Southern WEDB	51.20	0.97	16.15	8.14	0.26	6.91	13.59	2.78	0.09	0.09
RPV025	This study	amphibolite	New Georgia Group	Southern WEDB	45.44	0.88	16.43	10.21	0.30	6.28	19.27	0.89	0.09	0.09
RPV029	This study	mafic schist	New Georgia Group	Southern WEDB	48.31	1.43	15.55	12.50	0.19	8.46	10.61	3.15	0.12	0.13
RPV058	This study	amphibolite	New Georgia Group	Southern WEDB	52.34	0.92	14.83	8.87	0.21	9.12	8.83	4.23	0.11	0.06
VIL001	This study	amphibolite	New Georgia Group	Southern WEDB	49.05	1.28	14.65	11.09	0.19	7.97	13.04	2.26	0.36	0.10
CA-1	4	amphibolite	New Georgia Group	Southern WEDB	52.16	1.44	14.68	10.52	0.22	7.09	9.75	3.80	0.16	0.17
CA-4	4	amphibolite	New Georgia Group	Southern WEDB	49.86	1.07	13.16	10.10	0.25	8.02	14.34	3.00	0.09	0.13
CA-6	4	amphibolite	New Georgia Group	Southern WEDB	50.47	1.13	15.55	10.37	0.21	9.27	9.58	3.19	0.11	0.11
CA-10	4	amphibolite	New Georgia Group	Southern WEDB	50.11	0.99	15.67	9.83	0.20	8.87	11.45	2.68	0.10	0.10
CA-12	4	amphibolite	New Georgia Group	Southern WEDB	49.29	1.48	13.78	11.34	0.29	5.83	15.90	1.80	0.13	0.17
CA-14	4	amphibolite	New Georgia Group	Southern WEDB	49.63	0.92	16.19	9.70	0.22	8.89	10.69	3.49	0.16	0.11
Y 126	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	50.32	1.07	15.13	11.38	0.16	7.66	11.47	2.57	0.14	0.10
Y 172	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.18	2.39	15.65	13.99	0.18	4.28	10.01	3.82	0.15	0.35
TA 16	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	47.82	0.94	17.21	9.60	0.15	8.57	13.64	1.93	0.07	0.06
TA 17	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	50.51	1.34	14.94	11.60	0.16	6.97	11.21	3.06	0.06	0.14
SC 254	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	43.91	1.47	17.69	14.03	0.22	4.99	16.13	1.28	0.07	0.20
SC 318A	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	50.29	1.18	14.38	13.19	0.17	7.77	9.10	3.79	0.04	0.08
AC 78	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	48.62	1.19	14.50	12.50	0.17	7.71	12.81	2.32	0.06	0.12
BH 57	5	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	48.43	1.06	16.07	11.26	0.15	9.27	10.72	2.87	0.05	0.11
DAWQ PC	6	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.44	1.32	15.42	10.73	0.19	7.01	11.90	3.73	0.14	0.11
ACW002	This study	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	46.96	0.16	15.79	7.38	0.12	13.23	15.79	0.48	0.07	0.00
VR-17	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
VR-20	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
VR-33	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
VR-34	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
VR-37	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
MR-8	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
NG705	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
NG706	7	amphibolite	Pumpkinvine Creek Formation	Southern WEDB										
AC-10B	4	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.82	1.29	14.91	11.72	0.20	7.71	11.62	2.42	0.23	0.10
AC-10	4	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	51.59	1.35	15.00	12.87	0.23	7.45	7.14	3.93	0.12	0.31
CHE-240	4	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.40	1.66	18.20	11.87	0.25	7.49	7.34	3.41	0.26	0.10
CHE-104-1	4	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	50.07	2.06	15.95	11.15	0.23	8.03	8.87	3.38	0.26	0.01
M-21	4	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	47.80	2.24	14.73	12.61	0.18	8.12	11.82	2.17	0.13	0.19
M-21	2	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.21	1.92	14.19	11.73	0.22	8.57	11.91	1.98	0.10	0.17
JN-20	2	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	47.06	1.54	15.10	10.14	0.19	9.21	14.69	1.84	0.11	0.12
DV-33	2	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	49.05	1.40	14.25	10.03	0.21	9.37	13.53	1.95	0.10	0.12
DV-74	2	amphibolite	Pumpkinvine Creek Formation	Southern WEDB	48.51	1.53	14.42	11.11	0.19	8.36	13.80	1.81	0.13	0.12
GR86	This study	amphibolite	Wedowee Group	Southern WEDB	46.91	2.77	20.51	11.18	0.20	7.05	10.66	1.40	0.35	0.55
GR65	This study	amphibolite	Wedowee Group	Southern WEDB	48.28	1.37	16.30	12.32	0.19	7.76	11.53	2.14	0.26	0.10
GR90	This study	amphibolite	Wedowee Group	Southern WEDB	49.30	1.26	16.09	11.45	0.17	7.56	10.80	3.02	0.17	0.09
GR88	This study	amphibolite	Wedowee Group	Southern WEDB	47.75	1.29	16.12	11.72	0.17	7.96	12.84	1.47	0.15	0.04
BE28	This study	amphibolite	Wedowee Group	Southern WEDB	52.15	1.01	17.31	9.30	0.15	6.72	10.12	2.48	0.36	0.13
BE16a	This study	amphibolite	Wedowee Group	Southern WEDB	48.22	0.72	19.58	9.65	0.15	8.61	10.21	1.64	0.44	0.16
BW2	This study	amphibolite	Wedowee Group	Southern WEDB	46.99	0.28	11.23	9.23	0.17	20.59	9.91	0.72	0.09	0.04
BE34	This study	amphibolite	Wedowee Group	Southern WEDB	49.61	0.88	20.41	9.89	0.15	6.94	10.58	1.33	0.23	0.14
BE16b	This study	amphibolite	Wedowee Group	Southern WEDB	48.95	0.70	18.05	9.66	0.16	9.26	11.90	1.22	0.39	0.14
BE38	This study	amphibolite	Wedowee Group	Southern WEDB	50.58	0.97	20.36	9.00	0.15	5.55	9.41	3.59	0.26	0.25
GR89	This study	amphibolite	Wedowee Group	Southern WEDB	44.72	1.15	15.15	21.13	0.24	4.01	11.28	1.68	0.55	0.52
RW38	This study	amphibolite	Wedowee Group	Southern WEDB	50.64	0.84	18.23	9.56	0.13	6.40	10.84	2.92	0.31	0.13
RW69	This study	mafic schist	Wedowee Group	Southern WEDB	52.29	1.14	14.46	10.42	0.21	8.15	10.35	2.72	0.22	0.06
RW130	This study	mafic schist	Wedowee Group	Southern WEDB	50.08	1.40	14.65	11.97	0.20	7.44	10.65	3.18	0.30	0.13
GB584B	8	amphibolite	Poor Mountain Formation	Tugaloo	47.57	2.14	14.53	13.66	0.16	6.53	11.90	2.90	0.37	0.23
BG687B	8	amphibolite	Poor Mountain Formation	Tugaloo	47.04	1.28	15.90	11.50	0.14	8.14	13.49	2.24	0.24	0.04
G216BB	8	amphibolite	Poor Mountain Formation	Tugaloo	47.31	1.03	15.61	10.98	0.19	8.52	12.74	2.79	0.78	0.04

Sample	Ag	As	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho	In	La	Li
CM-206	nd	nd	150	2	nd		37.4	51	84	nd	41	8.1	4.4	2.45	24	8	2	5.3	1.7	nd	15.4	
CM-490	nd	nd	16	nd	nd		12.3	46	69	nd	47	8.9	6	1.66	18	6.8	2	2.9	2	nd	6.9	
CM-24	nd	nd	42	nd	2.1		12.6	42	424	nd	16	4.1	2.5	0.93	17	3.3	2	1.7	0.9	nd	7.4	
CM-60	nd	nd	49	nd	nd		18	44	111	nd	185	5.2	3.2	1.11	19	4.2	2	2.3	1.1	nd	7.6	
CM-62	nd	nd	42	nd	nd		14.6	43	197	nd	111	4.3	2.8	0.93	16	3.4	2	2	0.9	nd	6.3	
CM-111	nd	nd	77	nd	nd		16.3	40	65	nd	108	4.8	3.1	1.06	18	3.9	1	2.4	1.1	nd	6.8	
CM-159	nd	nd	93	nd	nd		2.7	44	234	nd	18	4.1	2.9	0.66	15	2.6	1	1.1	1	nd	1.2	
CM-266	nd	nd	12	nd	nd		5.3	41	175	nd	11	5	3.4	0.94	18	3.6	1	1.5	1.1	nd	2.5	
CM-432	nd	nd	29	nd	nd		12	54	83	nd	75	7.6	5.2	1.38	18	5.8	1	2.8	1.7	nd	4.8	
CM-456	nd	nd	30	nd	nd		3.9	47	216	nd	37	3.8	2.7	0.71	14	2.7	1	1.2	0.9	nd	1.3	
CM-526	nd	nd	33	nd	nd		4.6	51	250	nd	55	4.8	3.4	0.94	16	3.4	1	1.7	1.1	nd	1.5	
CM-629	nd	nd	41	nd	nd		10.6	56	167	nd	53	9.3	6.4	1.69	20	6.4	1	3.5	2.1	nd	5.5	
CM-744	nd	nd	47	nd	nd		10.9	30	85	nd	11	5.5	3	1.87	23	5.1	1	2.3	1.1	nd	3.8	
DG-6	nd	nd	59	nd	nd		11	44	305	nd	150	4.9	3.1	1.09	16	3.9	1	2	1.1	nd	4.3	
CM-287	nd	nd	80	nd	nd		9.9	41	276	nd	75	4.4	2.8	1.02	17	3.5	1	1.9	1	nd	3.6	
CM-301	nd	nd	46	nd	nd		22.9	48	82	nd	27	8.6	5.7	1.86	19	7.1	2	4.1	1.9	nd	9.5	
CM-402	nd	nd	50	nd	nd		12.2	53	387	nd	30	4.3	2.7	1.04	17	3.5	2	1.8	0.9	nd	5.7	
CM-589	nd	nd	72	nd	nd		32.4	39	30	nd	nd	10.6	6.6	2.13	22	9.2	2	5.4	2.4	nd	16.3	
CM-580	nd	nd	36	nd	nd		26.9	34	98	nd	nd	2.4	1.5	0.85	18	2.4	1	5.1	0.5	nd	16.1	
BGE-3									10													
C-3									10													
DAH-7									5													
CL-12									310													
H-9									260													
A1	<1	<30	92.4	<5	<0.1	<0.2	15.1	45.4	420	0.2	61	3.85	2.41	0.99	17	3.48	2	1	0.81	<0.2	8.5	20
B1	<1	<30	48.2	<5	<0.1	<0.2	15	52.6	340	<0.1	224	4.83	2.99	1.3	19	4.19	2	2	1.05	<0.2	8	40
GR114	<1	<30	13.8	<5	<0.1	<0.2	15.4	45.1	60	<0.1	169	5.75	3.82	1.35	20	5.06	2	3	1.25	<0.2	6	10
OUR047	<1	<30	28.2	<5	<0.1	0.2	39	34.4	1620	0.1	<5	3.51	1.56	1.51	12	4.57	2	2	0.58	<0.2	18.6	<10
OUR054	<1	<30	692	<5	0.2	<0.2	191	44.4	<10	0.2	43	7.77	3.21	4.92	22	14.1	2	4	1.3	<0.2	84.9	10
RM086	<1	<30	16.6	<5	<0.1	<0.2	11.1	44.7	180	<0.1	52	5.69	3.03	1.34	20	4.84	1	2	1.11	<0.2	4.4	10
RW41	<1	<30	764	<5	0.3	1.6	22.1	47.1	230	0.5	87	5.85	3	1.46	22	4.93	2	3	1.11	<0.2	8.4	20
RW62	<1	<30	25.9	<5	0.3	<0.2	13.6	52.5	360	<0.1	121	6.38	3.53	1.45	24	5.72	2	2	1.33	<0.2	12.8	20
WA3	<1	<30	40.9	<5	<0.1	<0.2	10.3	42.4	140	<0.1	21	6.61	3.65	1.46	20	5.74	2	2	1.34	<0.2	5.4	<10
WA9	<1	<30	70.6	<5	<0.1	<0.2	8.8	30.7	<10	<0.1	35	2.7	1.69	0.72	18	2.41	1	1	0.59	<0.2	2.7	10
WA11	<1	<30	38.5	<5	<0.1	<0.2	10.3	49.5	720	<0.1	41	3.75	2.34	0.87	16	3.2	2	2	0.81	<0.2	3.8	30
WA13	<1	<30	38.5	<5	<0.1	<0.2	10.1	51.6	360	0.1	110	4.55	2.99	1.03	17	3.82	2	2	1.01	<0.2	4.3	20
WA14	<1	<30	52.3	<5	<0.1	<0.2	16.7	50.3	550	<0.1	29	6.66	3.56	1.73	17	6.06	2	1	1.25	<0.2	14.5	30
WA15	<1	<30	59.2	<5	<0.1	<0.2	18.7	35.5	40	<0.1	17	5.72	3.69	1.45	18	4.82	2	3	1.27	<0.2	7.3	10
M40	<1	<30	244	5	<0.1	0.4	49.4	46.3	100	0.2	6	7.91	4.3	2.62	25	8.33	3	7	1.55	<0.2	20.6	10
CAM001	<1	<30	8.8	<5	0.2	<0.2	2.8	43.8	430	0.1	213	1.3	0.67	0.34	13	1.04	2	<1	0.27	<0.2	2	20
CAM002B	<1	<30	7.3	<5	0.5	<0.2	1.8	44.6	460	0.9	356	1.4	0.77	0.34	12	1.19	2	<1	0.3	<0.2	1.9	<10
W12	<1	<30	60.8	<5	<0.1	<0.2	16.9	43.1	420	<0.1	33	3.52	1.96	0.86	16	3.3	1	1	0.69	<0.2	7.9	10
BDA*								37	301		113											
CAR002	<1	<30	11.6	<5	0.4	<0.2	14	41.7	380	<0.1	<5	2.77	1.81	0.8	16	2.82	4	1	0.61	<0.2	8.2	<10
RPV014	<1	<30	36.4	<5	0.2	<0.2	11.7	43.2	250	<0.1	<5	3.86	2.31	0.95	18	3.45	2	2	0.85	<0.2	4.6	<10
RPV015	<1	<30	45.8	<5	0.1	<0.2	11	38.6	260	<0.1	20	3.59	2.39	0.99	16	3.38	2	2	0.82	<0.2	4.4	<10
RPV025	<1	<30	62.9	<5	<0.1	<0.2	16.3	36.8	650	<0.1	<5	4.62	2.98	1.15	20	4.33	2	2	0.99	<0.2	10.5	<10
RPV029	<1	<30	36.5	<5	<0.1	<0.2	11.1	53	310	<0.1	113	4.95	3.12	1.09	18	4.08	2	2	1.1	<0.2	4.1	10
RPV058	<1	<30	13.6	<5	<0.1	<0.2	21.4	47.7	360	<0.1	37	3.93	2.44	0.92	14	3.87	2	2	0.85	<0.2	9.6	<10
VIL001	<1	<30	27.9	<5	<0.1	<0.2	8.9	48.3	300	0.1	112	4.73	2.47	1.07	18	4.07	2	2	0.97	<0.2	3.1	<10
CA-1							12.6		200					16.5		10.7			6.53			
CA-4							9.28		230					10.9		8.84			5.66		9.27	
CA-6							9.12		420					11.7		7.63			3.14		9.27	
CA-10							8.3		450					11.4		7.23			5.46		8.97	
CA-12							11.5		110					16.2		8.47			6.63			
CA-14							8.11		450					11		10.4			10.4		8.42	
Y 126			14.9	<1			12.5			<.1		4.99	3.02	1.05	17.3	4.22		2	1.05		4.9	
Y 172			25.7	1			29.9			<.1		8.22	4.84	2.31	25.8	7.35		5.6	1.64		12.6	
TA 16			59.5	1			8.6			0.2		3.19	1.94	0.83	16.3	2.99		1.7	0.64		3.6	
TA 17			13.7	1			12.8			<.1		5.04	2.95	1.24	19.3	4.38		2.3	1.07		5.6	
SC 254			8.6	1			14.6			<.1		6.73	4.36	1.62	29.1	5.46		3	1.43		7.3	
SC 318A			12.3	<1			9.1			<.1		4.37	2.71	0.85	16.5	3.82		2	0.94		3.9	
AC 78			13.9	1			9.8			0.2		4.87	3.02	1.09	20	4.16		2.3	1.02		3.8	
BH 57			40.2	1			8.3			<.1		4.19	2.39	0.85	17.5	3.44		1.9	0.86		3.1	
DAWQ PC	nd		16				10.3		282	*	175	4.43	2.96	1.03		3.33		2.22	1.02		4.49	
ACW002	<1	<30	5.4	<5	0.7	<0.2	0.8	58.5	210	<0.1	61	0.77	0.4	0.23	10	0.54	1	<1	0.14	<0.2	0.3	10
VR-17			39				6.6		254					0.82				1.96			2.38	
VR-20			80				9.7		353					1.05				1.47			4.05	
VR-33			95				13.4		28					1.39				1.61			7.62	
VR-34			26				6.4		119					0.68				1.04			2.85	
VR-37			73				4.7		505					0.47				0.81			2.93	
MR-8			112				14.2		48					1.17				2.1			5.83	
NG705			44				12.8		9					1.1				2.2			3.03	
NG706			67				11.1		16					1.12				1.73			3.65	
AC-10B							11		580					13.9					8.18		13.4	
AC-10							18.9		340					17.3					10.8		15.9	
CHE-240							21.2		440					19.7					10.8		26.9	
CHE-104-1							12.8		680					19.8					12.4		25.5	
M-21									65													
M-21									50										6			
JN-20									350													
DV-33									350													
DV-74									280													
GR86	<1	<30	131	<5	0.6	1.1	59.2	35.4	280	0.4	24	8.39	4.98	2.65	24	8.42	3	5	1.76	<0.2	32.1	40
GR65	<1	<30	24.5	<5	<0.1	<0.2	11.3	51.3	320	<0.1	136	6.36	3.76	1.56	23	5.88	2	2	1.37	<0.2	7.8	10
GR90	<1	<30	93.2	<5	<0.1	0.3	8.2	52.5	310	<0.1	132	4.4	2.93	1.08	20	4	2	2	1.01	<0.2	3.6	20
GR88	<1	<30	23.8	<5	<0.1	<0.2	8.7	46.2	360	<0.1	90	5.99	3.75	1.35	19	5.2	2	2	1.26	<0.2	5.4	20
BE28	<1	<30	105	<5	<0.1	<0.2	27.8	34.9	160	<0.1	64	4.82	3.07	1.34	17	4.88	2	2	1.03	<0.2	16.2	30
BE16a	<1	<30	49.6	<5	0.1	<0.2	25.2	41.7	340	0.2	11	3.37	1.99	0.89	18	3.07	2	2	0.67	<0.2	7.3	30
BW2	<1	<30	3.5	<5	<0.1	<0.2	9.9	75	1600	<0.1	<5	1.46	0.94	0.33	9	1.37	2	<1	0.34	<0.2	5.6	20
BE34	<1	<30	60	<5	<0.1	<0.2	21.3	37.4	160	0.2	63	5.32	3.47	1.42	19	5.45	2	2	1.11	<0.2	22.3	50
BE16b	<1	<30	28.4	<5	0.5	<0.2	17.4	42.8	340	0.1	9	2.97	1.86	0.86	17	2.96	2	2	0.62	<0.2	8.7	30
BE38	<1	<30	21.4	<5	0.5	<0.2	69.2	32.6	130	0.3	50	4.35	2.57	1.55	18	4.9	2	2	0.89	<0.2	42.8	30
GR89	<1	<30	29.7	<5	0.1	0.2	29.1	38.1	240	0.4	105	6.34	4.49	1.37	23	5.72	4	4	1.45	<0.2	13.9	20
RW38	<1	<30	36.2	<5	0.4	0.2	31.2	34.6	110	0.1	<5	3.65	2.07	1.08	19	3.59	2	2	0.75	<0.2	17.3	40
RW69	<1	<30	34	<5	<0.1	<0.2	12.1	53.9	340	0.2	82	4.23	2.32	1.1	17	3.65	2	2	0.86	<0.2	4.7	10
RW130	<1	<30	29.3	<5	0.1	<0.2	14.9	48.7	160	0.2	127	5.58	3.16	1.3	20	4.87	2	2	1.16	<0.2	6.5	10
GB584B									146													
BG687B									384													
G216BB									352													

Sample	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
CM-206	0.51	nd	15	25.9	76	9	5.16	10	nd	37	7.1	3	106	1.2	1.3	1.4	nd	0.58	0.7	507	nd	44	3.8	162	195
CM-490	0.97	nd	nd	14.6	57	nd	2.55	5	nd	53	4.7	nd	57	nd	1.2	0.2	nd	0.89	0.2	479	nd	55	5.9	151	92
CM-24	0.38	nd	nd	9.7	155	11	2.01	7	nd	45	2.7	nd	146	0.2	0.6	1	nd	0.36	0.3	296	nd	23	2.5	95	61
CM-60	0.51	nd	2	11.4	96	nd	2.34	10	nd	49	3.3	nd	100	0.2	0.7	1.6	nd	0.48	0.4	360	nd	30	3.2	158	82
CM-62	0.43	nd	2	9.4	117	nd	1.91	6	nd	46	2.8	nd	103	0.2	0.6	1.2	nd	0.41	0.3	315	nd	25	2.7	150	71
CM-111	0.5	nd	2	10.7	75	nd	2.13	9	nd	46	3	nd	154	0.2	0.7	1.4	0.1	0.48	0.4	350	nd	29	3.2	158	84
CM-159	0.48	nd	nd	3.5	97	10	0.53	4	nd	53	1.5	nd	119	nd	0.5	0.2	nd	0.45	nd	307	nd	26	3.1	108	32
CM-266	0.55	nd	nd	6.4	79	nd	1.09	4	nd	46	2.4	nd	130	nd	0.7	nd	nd	0.49	nd	333	nd	30	3.3	115	50
CM-432	0.82	nd	nd	12	78	7	2.11	nd	0.6	51	4.1	nd	48	nd	1.1	0.3	nd	0.75	0.2	461	nd	47	5.1	155	96
CM-456	0.45	nd	nd	4.4	109	nd	0.69	3	nd	48	1.7	nd	70	nd	0.5	nd	nd	0.4	nd	280	nd	23	2.7	133	39
CM-526	0.57	nd	nd	5.6	110	nd	0.85	3	nd	50	2.2	nd	45	nd	0.6	nd	nd	0.49	nd	330	nd	32	3.3	120	54
CM-629	1.19	nd	2	13.5	99	nd	2.33	nd	nd	47	4.9	nd	28	0.2	1.2	0.5	nd	1.01	0.2	518	nd	51	7.1	177	111
CM-744	0.38	nd	nd	11.5	nd	11	1.77	4	0.6	27	4.4	nd	274	0.1	0.9	0.6	0.2	0.4	0.2	159	nd	30	2.7	128	80
DG-6	0.46	nd	2	8.9	110	nd	1.61	nd	nd	49	2.8	nd	114	0.2	0.7	0.9	nd	0.44	nd	306	nd	29	3	92	70
CM-287	0.44	nd	2	8	71	nd	1.45	11	nd	48	2.5	nd	128	0.2	0.6	0.3	nd	0.41	nd	299	nd	27	2.7	100	69
CM-301	0.86	nd	6	18.3	51	nd	3.45	4	nd	46	5.5	2	124	0.5	1.2	0.8	nd	0.82	0.2	417	nd	51	5.5	61	155
CM-402	0.42	nd	3	9.5	835	18	1.85	nd	nd	52	2.8	nd	104	0.2	0.6	0.6	nd	0.39	0.2	307	nd	22	2.6	149	65
CM-589	0.99	nd	8	26.6	nd	nd	5.4	4	nd	41	7.4	2	148	0.6	1.5	1.5	nd	0.96	0.4	458	nd	63	6.4	87	203
CM-580	0.28	nd	9	13.7	38	7	3.37	4	nd	20	2.6	1	138	0.6	0.3	2.8	0.3	0.23	0.7	227	3	14	1.7	71	205
BGE-3					20															165					
C-3					20															240					
DAH-7					15															115					
CL-12					250															50					
H-9					170															65					
A1	0.38	<2	<1	11	166	<5	2.6	11.4	0.1	36	2.9	<1	131	<0.5	0.59	1.4	<0.5	0.34	0.15	253	<1	23.3	2.4	74	39.3
B1	0.41	<2	4	10.8	77	<5	2.38	2.1	0.2	46	3.4	1	234	<0.5	0.78	0.4	<0.5	0.4	0.07	314	<1	30.6	2.9	89	71.5
GR114	0.52	<2	6	11.9	44	<5	2.37	0.8	0.1	46	3.7	<1	189	<0.5	0.87	0.7	<0.5	0.53	0.19	383	<1	35.2	3.6	108	106
OUR047	0.21	<2	26	25.8	327	<5	6.01	8.5	<0.1	39	5.6	3	161	1.8	0.65	4.9	<0.5	0.23	2.77	82	<1	16.3	1.4	80	83.3
OUR054	0.32	<2	40	110	43	7	25.7	5.8	0.2	31	19.7	1	2440	2.1	1.64	9.2	<0.5	0.39	2.62	302	<1	36.5	2.3	53	173
RM086	0.44	<2	3	10.4	70	<5	1.95	3	<0.1	42	3.6	<1	163	<0.5	0.85	0.4	<0.5	0.51	<0.05	327	<1	30.1	3	93	78
RW41	0.43	3	6	14.2	116	11	3.09	21.1	<0.1	27	4.3	2	180	<0.5	0.91	2.8	<0.5	0.47	1.42	246	<1	29.9	2.8	198	96.5
RW62	0.52	<2	3	18.3	77	<5	4.3	2.3	0.3	45	4.7	<1	238	<0.5	1.03	0.8	<0.5	0.62	0.17	318	<1	34.5	3.5	54	74
WA3	0.53	<2	1	12	52	<5	2.35	4.8	0.1	38	4	<1	144	<0.5	1.04	0.6	<0.5	0.6	0.12	430	<1	38.2	3.6	65	80.5
WA9	0.25	<2	<1	5.7	13	<5	1.23	4.8	<0.1	29	1.9	<1	137	<0.5	0.45	2.8	<0.5	0.25	0.51	259	<1	15.9	1.6	69	44.2
WA11	0.31	<2	1	7.7	210	<5	1.58	3.1	0.2	40	2.4	<1	159	<0.5	0.56	1.1	<0.5	0.34	0.07	256	<1	21.8	2.4	85	39.7
WA13	0.4	3	<1	7.8	92	<5	1.67	6.2	0.3	44	2.5	<1	287	<0.5	0.71	0.6	<0.5	0.44	0.06	271	<1	27.6	2.9	84	52.1
WA14	0.49	2	<1	21.6	207	<5	4.94	4.8	0.2	34	5.3	<1	141	<0.5	1.07	1.8	<0.5	0.52	0.34	267	<1	33.3	3.2	77	46.9
WA15	0.57	3	3	12.1	30	6	2.8	7.2	0.4	36	3.7	2	142	<0.5	0.91	1.4	<0.5	0.56	0.31	384	<1	38.9	3.6	54	74.8
M40	0.52	<2	18	30.8	57	18	7.08	6	0.1	33	7.6	3	61.1	1.3	1.34	2.8	<0.5	0.56	0.5	352	<1	42.1	3.5	149	241
CAM001	0.11	2	<1	3	137	<5	0.69	3	<0.1	41	0.9	<1	108	<0.5	0.21	0.1	<0.5	0.11	<0.05	136	<1	7.1	0.7	49	6.7
CAM002B	0.11	<2	<1	2.9	92	<5	0.64	8.5	<0.1	47	0.8	<1	95.2	<0.5	0.2	<0.1	<0.5	0.12	0.12	204	<1	8.2	0.7	52	4.6
W12	0.29	<2	<1	10.7	142	<5	2.36	6.3	0.2	32	2.8	<1	163	<0.5	0.53	1.9	<0.5	0.32	0.36	245	<1	21.6	1.9	83	44
BDA*					96								189							270				115	
CAR002	0.28	<2	1	10.2	174	<5	2.33	0.6	<0.1	33	2.6	<1	571	<0.5	0.44	1.9	<0.5	0.28	0.55	266	<1	17.6	1.6	46	39
RPV014	0.35	<2	1	8.5	104	10	1.72	2.3	0.3	39	2.5	<1	246	<0.5	0.57	0.9	<0.5	0.34	0.27	279	<1	22.4	2.3	119	54.4
RPV015	0.36	<2	1	8.2	97	5	1.66	1.4	0.5	40	2.3	<1	266	<0.5	0.57	0.8	<0.5	0.35	0.17	253	<1	22.4	2.2	107	53.6
RPV025	0.45	<2	1	14.4	186	20	3.26	2.5	0.2	42	3.7	<1	333	<0.5	0.71	1.6	<0.5	0.44	0.2	289	<1	27.7	2.8	74	48.8
RPV029	0.45	3	4	8.9	81	<5	1.76	1.9	0.2	51	3.1	<1	134	<0.5	0.69	0.3	<0.5	0.47	0.14	336	<1	28.6	2.9	95	78.2
RPV058	0.37	<2	1	13	141	<5	2.92	1.1	0.2	37	3.4	<1	213	<0.5	0.61	2.7	<0.5	0.36	0.26	244	<1	23.1	2.3	52	50.2
VIL001	0.39	<2	2	7.9	66	<5	1.57	2.1	<0.1	42	2.9	<1	131	<0.5	0.72	0.2	<0.5	0.42	0.21	295	<1	26	2.6	65	56.9
CA-1				13.7	68						16.9				13			11.6							
CA-4					68						11.7				16.3			7.23					12.5		
CA-6				15.7	120						12.2				12.1			7.77					11.6		
CA-10				10.5	110						10.3				12.8			6.43					11.2		
CA-12				16.7	56						16.2				18.1			10.4							
CA-14				10.5	120						10.3				10.9			6					11		
Y 126	0.46		3.3	10.2			1.89	2.6			3.5		165	0.3	0.78	0.5			0.2	258	63.1	31.6	3.08		66.4
Y 172	0.76		9.3	21.7			4.07	1.8			6.1		327	0.6	1.26	1			0.4	371	31.8	50.8	4.74		188
TA 16	0.28		2.5	6.7			1.28	2.4			2.4		200	0.3	0.5	0.3			<.1	232	83.5	19.8	1.9		51.2
TA 17	0.43		4.4	10.9			1.99	<.5			3.5		198	0.3	0.77	0.4			0.1	315	103	30.5	2.97		81.6
SC 254	0.71		4.1	13.4			2.4	0.8			4.2		647	0.5	1.09	0.6			0.6	479	106	43.9	4.56		100
SC 318A	0.44		2.1	8.3			1.47	2.1			3		106	0.2	0.7	0.3			<.1	314	63.1	27.4	2.63		67.8
AC 78	0.45		2.8	8.6			1.53	2.7			2.8		223	0.2	0.72	0.1			<.1	326	81.5	29.9	2.73		69
BH 57	0.39		2.6	7.4			1.26	0.9			2.6		229	0.2	0.66	0.3			<.1	295	46.1	25.2	2.54		57
DAWQ PC	0.41		2.35	7.97	75.1		1.56	1.59			2.54		216	0.23	0.72	0.47	1.14	0.41	0.13	290		25	2.81		81.1
ACW002	<0.05	<2	<1	0.9	122	<5	0.16	2.2	<0.1	39	0.4	<1	87.8	<0.5	0.11	<0.1	<0.5	0.06	<0.05	139	<1	4.2	0.4	39	2.7
VR-17	0.46		3.4	7.3	109			3			2.75		139	0.29	0.7	0.7						28	3.04		85
VR-20	0.39		2.4	9.6	80			7			2.83		300	0.19	0.67	0.7						26	2.53		61
VR-33	0.53		1	13.7	17			9			4.09		235	0.2	0.79	1.11						33	3.7		70
VR-34	2.53		1	6.7	67						1.91		135	0.07	0.43	0.49						18	1.84		46
VR-37	0.18		1	5	131			4			1.28		123	0.05	0.3	0.3						9	1.18		33
MR-8	0.49		1.3	10.4	22			5			3.28		400	0.15	0.84	1.1						28	2.86		82
NG705	0.51			9				13			3.21			0.12	0.94	1							3.26		
NG706	0.43			7.5				12			2.87			0.15	0.75	0.7							2.7		
AC-10B				19.8	130						16.8				15.5			17.6					14.2		
AC-10				19.3	91						21.4				19.7			26.6					18.7		
CHE-240				27.6	150						25.8				20.2			22.5					14.6		
CHE-104-1				29	170						26.2				25.7			21.4					13.7		
M-21					60															80					
M-21					60															100					
JN-20					110															55					
DV-33					100															45					
DV-74					70															75					
GR86	0.7	3	41	38.3	132	11	9.28	4.8	<0.1	38	8.3	3	148	2.1	1.38	3.2	<0.5	0.72	1.96	296	2	43.1	4.6	193	237
GR65	0.57	<2	4	15.5	98	<5	3.17	1.4	<0.1	50	4.6	<1	73.9	<0.5	0.99	0.3	<0.5	0.54	0.11	316	<1	37.4	3.6	93	65.7
GR90	0.43	<2	3	8.1	102	<5	1.54	1.2	<0.1	48	2.7	4	155	<0.5	0.67	0.3	<0.5	0.43	0.09	306	<1	27.5	2.8	84	62.9
GR88	0.57	<2	3	11.3	86	<5	2.35	1.3	<0.1	50	3.7	<1	171	<0.5	0.92	0.2	<0.5	0.58	0.08	315	<1	33.5	3.5	86	61
BE28	0.47	<2	3	20.6	74	<5	4.88	5.5	<0.1	41	4.7	<1	284	<0.5	0.75	4.5	<0.5	0.46	0.89	331	<1	28.4	3	72	77.4
BE16a	0.28	<2	3	10.3	116	7	2.37	3.4	0.3	37	2.8	<1	143	<0.5	0.5	3	<0.5	0.28	0.55	267	<1	17.7	1.9	66	58.5
BW2	0.16	<2	<1	5.3	538	<5	1.35	0.9	<0.1	34	1.3	<1	45.3	<0.5	0.21	1.4	<0.5	0.16	0.2	155	<1	9.8	0.9	75	22
BE34	0.61	<2	2	26.4	86	<5	6.55	2.1	0.2	40	5.7	<1	168	<0.5	0.85	3.2	<0.5	0.53	0.63	323	<1	28.8	3.8	72	60.5
BE16b	0.28	<2	2	10.9	129	7	2.63	2.4	<0.1	38	2.7	<1	216	<0.5	0.49	2.9	<0.5	0.27	0.65	274	<1	16.8	1.7	76	56.4
BE38	0.41	<2	3	33.5	55	9	9.13	6.7	<0.1	35	5.9	<1	765	<0.5	0.71	9.6	<0.5	0.39	1.59	280	<1	24.7	2.5	60	80.9
GR89	0.7	<2	8	17.8	93	13	4.24	6	0.4	38	4.5	1	220	0.7	1.03	9.3	<0.5	0.71	1.21	346	<1	40.5	4.3	122	121
RW38	0.35	<2	1	16.5	38	23	4.22	2.2	0.3	32	3.4	<1	528	<0.5	0.59	4.5	<0.5	0.34	0.78	284	<1	20.2	2.1	82	53.5
RW69	0.32	<2	2	8.9	75	<5	1.85	1.7	0.4	43	2.7	<1	149	<0.5	0.61	0.6	<0.5	0.4	0.09	261	<1	22.9	2.2	69	61.7
RW130	0.47	<2	4	11.5	56	10	2.4	2.3	0.3	41	3.5	<1	181	<0.5	0.88	1	<0.5	0.5	0.21	314	<1	30.5	3	91	83.1
GB584B			5.5		58			7.9					174							367		39			117
BG687B			1.1		127			8.5					166							320		26.1			74.1
G216BB			1.5		105			10.7					92.4							278		24.2			59.7

GB265B	8	amphibolite	Poor Mountain Formation	Tugaloo	46.49	1.65	14.92	12.88	0.16	6.63	13.93	2.86	0.29	0.19									206																4.2		79.8			9.1					200							377		30.5			115
BG372B	8	amphibolite	Poor Mountain Formation	Tugaloo	45.84	2.49	14.43	16.61	0.23	6.62	11.17	1.52	0.60	0.49									62.7																7.5		64.5			13.3					191							392		53.1			116
BG188A	8	amphibolite	Poor Mountain Formation	Tugaloo	51.66	1.21	16.90	10.46	0.14	5.52	10.78	3.03	0.19	0.11									191																2.4		52.7			4.9					170							257		31.7			95.8
BG135B	8	amphibolite	Poor Mountain Formation	Tugaloo	47.72	2.23	15.24	12.17	0.16	6.37	12.82	2.79	0.24	0.26									246																5.2		42.9			5.8					237							400		40.2			138
TD1431	9	amphibolite	Poor Mountain Formation	Tugaloo	51.16	1.87	13.92	13.54	0.21	5.97	9.80	2.97	0.32	0.23									114																5.2		41.2			5.3					206							272		47.6			125
TD1430	9	amphibolite	Poor Mountain Formation	Tugaloo	50.09	1.12	14.40	11.80	0.20	7.24	10.55	3.98	0.44	0.19									201																2.5		50.6			6					204							258		26.5			81.7
TD361A	9	amphibolite	Poor Mountain Formation	Tugaloo	50.63	1.27	16.02	13.65	0.30	5.89	8.42	3.67	0.12	0.03									122																2.3		54.8			3					163							208		23			62.2
TD374B	9	amphibolite	Poor Mountain Formation	Tugaloo	49.19	0.68	16.59	12.24	0.62	5.87	8.83	4.85	1.06	0.07									210																0.5		64.4			26.8					278							184		15.6			59.9
TD395	9	amphibolite	Poor Mountain Formation	Tugaloo	58.24	1.41	16.11	10.69	0.21	4.65	6.62	1.91	0.01	0.15									18.2																4.6		12.1			3.8					234							136		40.8			91.4
TD359F	9	amphibolite	Poor Mountain Formation	Tugaloo	49.51	1.76	14.95	8.83	0.20	7.83	5.38	5.54	6.01	0.00									327																26		150			306					1008							175		16.4			388
TD48	9	amphibolite	Poor Mountain Formation	Tugaloo	57.00	1.16	17.44	9.17	0.28	3.02	7.38	3.80	0.56	0.19									25																13.7		0			10.6					226							164		92.1			145
TD103	9	amphibolite	Poor Mountain Formation	Tugaloo	50.86	1.47	16.28	11.58	0.20	8.54	9.06	1.64	0.12	0.25									263																6.3		129			6.3					562							124		23.3			148
TD259	9	amphibolite	Poor Mountain Formation	Tugaloo	46.82	0.50	11.71	12.55	0.24	11.90	11.75	3.71	0.72	0.11									355																0.5		84.1			11.2					96.6							263		11.7			49.7
TD278	9	amphibolite	Poor Mountain Formation	Tugaloo	52.63	0.41	14.97	10.42	0.46	9.13	8.48	3.19	0.24	0.07									512																3.1		99.9			7.7					112							140		25			62.5
TD372	9	amphibolite	Poor Mountain Formation	Tugaloo	48.65	1.05	15.23	12.00	0.28	8.17	10.13	3.66	0.70	0.13									314																2.6		136			16.1					151							236		24.9			67.1
TD52	9	amphibolite	Poor Mountain Formation	Tugaloo	53.23	1.88	13.88	13.41	0.23	5.85	8.66	2.27	0.37	0.23									97.6																7.8		27.5			7.8					215							238		50.7			147
TD368	9	amphibolite	Poor Mountain Formation	Tugaloo	51.06	1.78	13.91	16.31	0.32	5.18	8.63	1.93	0.80	0.08									143																7.7		41.4			14.1					133							253		41.8			73.5
TD543	9	amphibolite	Poor Mountain Formation	Tugaloo	50.36	1.24	16.62	14.06	0.25	2.19	11.56	3.25	0.31	0.15									460																2.1		246			9.8					132							251		23.4			67.7
TD28	9	amphibolite	Poor Mountain Formation	Tugaloo	47.86	1.17	17.56	10.08	0.15	8.26	11.21	3.37	0.22	0.13									296																2.2		158			7.4					174							271		27.3			74.7
TD75	9	amphibolite	Poor Mountain Formation	Tugaloo	51.18	0.70	17.08	11.90	0.29	6.89	9.67	2.07	0.12	0.11									304																2.3		100			5.2					221							200		19.1			64.9
TD499	9	amphibolite	Poor Mountain Formation	Tugaloo	44.85	1.89	14.28	12.62	0.20	7.70	14.00	3.39	0.65	0.41									218																3.2		65.4			20.7					205							466		31.8			96.2
TD199	9	amphibolite	Poor Mountain Formation	Tugaloo	52.53	1.12	17.42	13.61	0.25	3.60	8.32	2.64	0.48	0.03									90.7																2.2		23.8			6.2					147							218		28.5			66.9
TD510	9	amphibolite	Poor Mountain Formation	Tugaloo	64.92	0.46	13.03	4.96	0.24	4.14	7.12	4.45	0.38	0.31									1																22.4		11.2			9					97.1							86.5		83.2			222
Su32	10	amphibolite	Poor Mountain Formation	Tugaloo	49.25	1.53	15.48	12.77	0.21	7.50	10.46	2.28	0.38	0.15									175																3.6		54			6.1					269							372		29			100
Su244	10	amphibolite	Poor Mountain Formation	Tugaloo	48.28	1.58	15.82	11.11	0.20	7.27	12.98	2.06	0.50	0.20									232																3.2		97			6.9					222							423		33			98
LL553	10	amphibolite	Poor Mountain Formation	Tugaloo	48.60	1.06	15.53	11.76	0.19	8.56	11.42	2.44	0.30	0.15									220																1		70			7.5					173							332		24			64
LL62	10	amphibolite	Poor Mountain Formation	Tugaloo	49.20	0.75	16.32	10.15	0.20	10.31	10.19	2.38	0.37	0.13									406																2.1		150			10					102							223		24			53
LL552	10	amphibolite	Poor Mountain Formation	Tugaloo	48.06	2.22	14.30	12.16	0.23	5.38	14.84	2.23	0.35	0.25									129																4.1		20			9.7					225							503		40			115
LL500	10	amphibolite	Poor Mountain Formation	Tugaloo	54.98	1.04	14.49	9.40	0.15	8.36	7.31	4.08	0.04	0.14									262																1.9		1309			3.2					89							188		31			70
LL383	10	amphibolite	Poor Mountain Formation	Tugaloo	50.35	1.33	16.86	10.58	0.21	6.17	10.88	2.81	0.55	0.26									115																1.2		40			6.7					191							295		31			79.1
LL62	10	amphibolite	Poor Mountain Formation	Tugaloo	50.39	0.65	16.88	10.11	0.17	9.10	10.15	2.17	0.22	0.17									188																0.8		60			4.1					194							247		21			59
Su385	10	amphibolite	Poor Mountain Formation	Tugaloo	45.91	1.78	14.86	13.85	0.18	8.04	12.51	2.29	0.32	0.26									258																3.5		102			6.8					277							439		29			99
Sh132	10	amphibolite	Poor Mountain Formation	Tugaloo	50.39	0.65	17.19	9.98	0.17	9.10	10.08	2.09	0.22	0.14									202																0.9		56			3.3					194							225		20			60
Sh315	10	amphibolite	Poor Mountain Formation	Tugaloo	52.14	1.73	14.24	12.91	0.20	6.18	8.59	3.48	0.20	0.34									60																5.9		23			3.1					276							319		37			118
Su111	10	amphibolite	Poor Mountain Formation	Tugaloo	47.69	0.48	14.86	13.58	0.54	9.24	10.63	2.24	0.64	0.10									247																1.5		83			8.3					119							263		19			43
Sh8	10	amphibolite	Poor Mountain Formation	Tugaloo	48.62	1.56	15.88	12.19	0.19	8.08	9.96	2.93	0.25	0.33									160																5		65			5.3					333							334		35			111
Su244	10	amphibolite	Poor Mountain Formation	Tugaloo	46.49	1.29	16.05	12.73	0.20	7.63	12.43	2.40	0.54	0.23									244																3.9		78			9.8					274							394		24			85
Su148	10	amphibolite	Poor Mountain Formation	Tugaloo	49.22	1.88	15.66	13.54	0.23	4.48	8.03	2.11	4.44	0.40									222																5.6		101			70					134							311		33			96
Su187	10	amphibolite	Poor Mountain Formation	Tugaloo	44.05	1.37	17.22	12.46	0.31	6.86	14.63	2.07	0.84	0.20									312																2.3		70			10.6					211							460		28			86
LL176	10	amphibolite	Poor Mountain Formation	Tugaloo	51.07	0.33	13.16	10.41	0.26	11.88	10.71	2.00	0.06	0.10									840																0.8		202			3.7					141							195		14			52
X1	10	amphibolite	Poor Mountain Formation	Tugaloo	50.88	0.27	11.59	9.52	0.19	10.63	15.47	1.30	0.11	0.03									804																0		154			6.3					134							201		12			50
Su65	10	amphibolite	Poor Mountain Formation	Tugaloo	47.18	1.71	15.13	10.48	0.19	7.05	15.91	1.76	0.40	0.20									204																5.9		41			8.1					260							497		28			110
LL315	10	amphibolite	Poor Mountain Formation	Tugaloo	46.97	0.90	16.45	8.51	0.18	7.30	18.10	1.28	0.20	0.12									162																0.2		68			8.1					192							410		22			76
LL583	10	amphibolite	Poor Mountain Formation	Tugaloo	47.17	0.95	15.46	11.66	0.19	12.39	9.96	1.89	0.13	0.20									288																2.7		150			4.9					206							266		23			76
LL526	10	amphibolite	Poor Mountain Formation	Tugaloo	46.98	1.71	12.14	12.89	0.25	8.38	15.16	1.84	0.33	0.32									352																2.2		151			8.1					164							470		31			100
PMA1.1	11	amphibolite	Poor Mountain Formation	Tugaloo	48.50	1.47	15.78	11.29	0.18	8.26	10.11	3.50	0.71	0.19			450				19.5	38.2	241	0.2	59.9	4.9	3	1.4	17.5	4.2	1.3	2.6	1.1		7.9		0.4		3.1	13.3	144	5.7	2.8	17.2			3.7		166	0.2	0.7	1.6	0.2	0.4	0.3	278		28.8	2.8	91.4	99.3
PMA4.0	11	amphibolite	Poor Mountain Formation	Tugaloo	50.45	0.19	10.45	9.24	0.22	12.39	15.72	0.90	0.41	0.03			69.8		0.6		4.8	44.3	925	0.1	143	1	0.7	0.2	10.1	0.9	1.2	0.6	0.2		2.2		0.1		0.4	2.7	160	13.1	0.6	7.7			0.7		151	0	0.2	0.5	0.1	0.1	1.9	200		6.1	0.8	85.1	19.2
PMA5.0	11	amphibolite	Poor Mountain Formation	Tugaloo	47.24	1.09	16.95	10.25	0.16	8.64	12.66	2.60	0.32	0.08			243				7	44.3	285	0.1	66.5	4	2.5	1	15.4	3.2	1	1.8	0.9		2.4		0.3		0.3	6.7	171		1.2	5.7	0.2		2.4		225	0	0.6	0.2	0.1	0.4	0.1	221		22.8	2.2	66.9	60.5
PMA5.2	11	amphibolite	Poor Mountain Formation	Tugaloo	46.85	1.17	17.97	10.10	0.14	8.06	12.44	2.98	0.19	0.09	1.2		281				8	43.6	317		98.2	4.4	2.8	1.2	17.3	3.6	1.5	1.8	0.9		3		0.4		0	7.8	122		1.4	3.3			2.6		227	0	0.7	0.2	0.1	0.4	0.1	241		24.8	2.5	70.6	64.8
PMA5.4	11	amphibolite	Poor Mountain Formation	Tugaloo	48.94	1.15	17.44	9.09	0.15	7.20	12.46	3.15	0.34	0.08	1		124				9.1	52.1	327		93.3	4.1	2.6	1.1	16.8	3.3	1.1	1.9	0.9		4		0.3		0	7.9	133		1.5	3.7			2.6		188	0	0.6	0.3	0.1	0.4	1.9	255		22.5	2.3	70.2	63.3
PMA6.0	11	amphibolite	Poor Mountain Formation	Tugaloo	49.03	1.04	15.53	10.55	0.21	6.03	14.06	2.91	0.50	0.14	1.2		211		0.3		14.1	39.3	306	0.1	31.4	4.7	3	1.2	16.5	4.1	1.5	2.1	1		8.6		0.4		0.5	11.5	115	11.6	2.4	5.7			3.3		195	0.1	0.7	1.4	0.1	0.4	0.3	264	1.2	28.4	2.7	68.8	65.4
PMA8.0	11	amphibolite	Poor Mountain Formation	Tugaloo	49.06	1.25	17.28	11.06	0.27	7.15	9.10	4.00	0.69	0.14	1.2		87		0.5		15.5	39.3	179	0.1	72.2	4.6	2.9	1.3	17.9	4.1	1.2	2.1	1		6.4		0.4		0.9	11.2	98.8	26	2.3	14.2			3.3		177	0.1	0.7	1.1	0.1	0.4	0.4	302	3.9	26	2.6	349	69.6
PMA9.1	11	amphibolite	Poor Mountain Formation	Tugaloo	45.92	1.02	15.66	10.08	0.16	8.41	16.40	1.74	0.53	0.08	1		499		0.7		8	47.3	357	0.3	72	3.9	2.6	1	14.9	3.1	1.6	1.6	0.8		2.8		0.3		0.5	6.9	196	6.4	1.3	9			2.4		181	0	0.6	0.4	0.1	0.4	0.3	226		21.7	2.4	76.5	52.3
PMA10	11	amphibolite	Poor Mountain Formation	Tugaloo	70.04	0.59	9.54	5.96	0.15	2.01	9.74	0.32	1.55	0.10	0.9		257		2.4		44	19.3	115	0.5	76.3	4.9	2.8	1.3	12.2	4.9	1.9	4.1	1		23.4		0.4		5.1	21.9	40.8	39.6	5.4	46.7			4.7	1.1	189	0.4	0.8	4.5	0.2	0.4	2.7	157	0.9	27	2.7	61.8	148
PMA-Y	11	amphibolite	Poor Mountain Formation	Tugaloo	47.77	1.26	16.43	11.66	0.19	8.89	9.89	3.54	0.22	0.15	1		56.8		0.3		19	46.6	385		41.8	4.8	2.9	1.5	18.7	4.5	1.6	2.6	1		6.9		0.4		2.6	14.5	202	14	2.9	1.4			4	1.4	124	0.1	0.8	2.4		0.5	0.4	289	0.76	26.6	2.8	86.7	92.8
PG 181	6	greenstone	Hillabee Greenstone	Western Blue Ridge	51.24	0.92	12.55	9.85	0.17	9.02	13.89	2.22	0.05	0.08	3		10				8.68		739	nd	50.4	3.29	2.01	0.79		2.4		1.63	0.71		3.51		0.29		2.15	6.37	123		1.3	nd			2.04		137	0.19	0.51	0.85	nd	0.3	0.12	249		19	1.9		54.2
92-1	12	greenstone	Hillabee Greenstone	Western Blue Ridge	50.10	1.13	15.16	10.13	0.19	8.20	12.19	2.56	0.20	0.13																																												18			65
156-1	12	greenstone	Hillabee Greenstone	Western Blue Ridge	51.86	1.04	16.70	8.86	0.28	6.85	9.85	4.36	0.08	0.12																																												20			45
132-2	12	greenstone	Hillabee Greenstone	Western Blue Ridge	48.59	1.34	15.71	10.32	0.23	7.96	13.23	2.38	0.12	0.11																																												25			55
140-2	12	greenstone	Hillabee Greenstone	Western Blue Ridge	49.82	1.45	14.74	11.94	0.23	8.30	9.96	3.11	0.27	0.17																																												20			70
M222C	13	greenstone	Hillabee Greenstone	Western Blue Ridge	51.20	1.25	15.76	11.42	0.20	7.44	10.20	2.46	0.08	0.00																																															
M268	13	greenstone	Hillabee Greenstone	Western Blue Ridge	49.04	1.25	14.39	11.11	0.17	7.54	13.98	2.46	0.07	0.00																																															
92-1	12	greenstone	Hillabee Greenstone	Western Blue Ridge	49.71	1.12	15.05	10.82	0.19	8.13	12.10	2.54	0.20	0.13																																															
156-1	12	greenstone	Hillabee Greenstone	Western Blue Ridge	51.58	1.03	16.61	9.36	0.28	6.81	9.80	4.33	0.08	0.12																																															
140-2	12	greenstone	Hillabee Greenstone	Western Blue Ridge	49.37	1.44	14.61	12.74	0.23	8.23	9.87	3.09	0.27	0.16																																															
132-2	12	greenstone	Hillabee Greenstone	Western Blue Ridge	48.23	1.33	15.60	10.98	0.23	7.90	13.14	2.36	0.12	0.11																																															
121-1	12	greenstone	Hillabee Greenstone	Western Blue Ridge	45.10	1.73	15.03	11.65	0.24	7.14	15.03	3.68	0.18	0.22																																															
7-280	14	greenstone	Hillabee Greenstone	Western Blue Ridge	50.16	1.66	14.36	12.35	0.28	7.91	9.47	3.54	0.27	0.00																																															
7-115	14	greenstone	Hillabee Greenstone	Western Blue Ridge	52.19	1.04	15.08	10.19	0.29	8.63	8.32	4.05	0.21	0.00																																															
22-335	14	greenstone	Hillabee Greenstone	Western Blue Ridge	51.02	1.25	14.76	10.84	0.25	9.35	9.04	3.33	0.17	0.00																																															
22-170	14	greenstone	Hillabee Greenstone	Western Blue Ridge	50.27	1.66	13.19	12.98	0.25	7.37	11.01	2.91	0.35	0.00																																															
19-180	14	greenstone	Hillabee Greenstone	Western Blue Ridge	49.39	1.78	14.20	12.86	0.29	8.35	9.82	2.92	0.39	0.00																																															
18-95	14	greenstone	Hillabee Greenstone	Western Blue Ridge	50.33	1.04	14.20	11.55	0.29	8.67	11.49	2.06	0.38	0.00																																															
16-175	14	greenstone	Hillabee Greenstone	Western Blue Ridge	50.01	1.37	15.51	12.23	0.22	8.55	7.81	3.69	0.61	0.00																																															
W-239398	15	greenstone	Hillabee Greenstone	Western Blue Ridge	50.51	1.44	14.89	11.65	0.24	5.97	11.70	3.43	0.10	0.07																																															
W-239397	15	greenstone	Hillabee Greenstone	Western Blue Ridge	49.18	1.48	14.55	13.57	0.19	6.43	11.58	2.75	0.13	0.13																																															
G-8	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.92	1.31	15.97	11.51	0.23	5.67	9.76	2.92	0.49	0.23																																															
S 125	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.60	1.21	15.28	11.76	0.19	6.81	11.94	2.98	0.21	0.00																																															
S 116	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.62	1.17	14.64	12.70	0.20	7.03	12.00	2.46	0.18	0.00																																															
M 175	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.30	1.12	16.94	8.74	0.15	8.37	12.04	3.26	0.07	0.00																																															
M 207E	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.20	1.64	13.87	13.47	0.21	6.63	8.98	3.82	0.16	0.00																																														
S 124	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.04	1.56	15.33	13.23	0.22	5.82	9.07	4.53	0.20	0.00																																															
M 261	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.52	1.15	14.84	10.47	0.19	6.68	12.60	3.47	0.08	0.00																																															
M 264	16	greenstone	Hillabee Greenstone	Western Blue Ridge	48.91	1.05	14.99	11.35	0.16	7.24	14.28	1.94	0.08	0.00																																															
M 255B	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.57	1.40	14.10	12.05	0.19	6.85	11.95	2.17	0.72	0.00																																															
G28	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.21	1.22	17.17	10.36	0.21	6.75	9.97	2.71	0.14	0.25																																															
G12	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.56	1.39	15.57	11.33	0.20	6.21	9.24	3.18	0.12	0.18																																															
M 222C	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.20	1.25	15.76	11.42	0.20	7.44	10.20	2.46	0.08	0.00																																															
M 255	16	greenstone	Hillabee Greenstone	Western Blue Ridge	48.91	1.79	15.14	11.10	0.19	7.98	11.77	2.76	0.35	0.00																																															
T252	16	greenstone	Hillabee Greenstone	Western Blue Ridge	48.83	1.04	15.83	9.70	0.15	8.11	13.48	2.64	0.21	0.00																																															
G 36	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.48	1.39	15.29	11.01	0.20	6.64	10.39	2.42	0.10	0.08																																															
G 1	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.82	1.14	16.65	9.43	0.22	6.99	9.28	2.36	0.91	0.21																																															
G-25	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.74	1.48	15.15	10.52	0.18	6.01	10.96	2.65	0.11	0.18																																															
G-33	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.01	1.37	14.79	11.83	0.21	6.29	10.50	2.45	0.43	0.12																																															
G-30	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.47	1.39	16.23	10.65	0.18	6.16	10.06	2.52	0.08	0.26																																															
G-41	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.85	1.17	16.95	10.63	0.18	7.06	9.87	2.41	0.75	0.12																																															
G-13	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.43	1.45	15.92	11.38	0.20	6.05	10.41	2.72	0.23	0.19																																															
G-39	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.35	1.19	16.40	9.99	0.18	6.87	10.39	2.13	0.37	0.13																																															
SM 1094	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.65	1.42	14.56	12.60	0.21	6.75	10.09	3.49	0.23	0.00																																															
M 271	16	greenstone	Hillabee Greenstone	Western Blue Ridge	52.37	1.60	14.83	12.13	0.21	5.51	11.05	2.14	0.16	0.00																																															
M 125	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.66	1.31	16.55	10.46	0.17	6.91	11.91	2.88	0.13	0.00																																															
M 256	16	greenstone	Hillabee Greenstone	Western Blue Ridge	51.35	1.75	14.16	13.27	0.28	5.83	8.62	4.54	0.20	0.00																																															
G 27	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.76	1.24	17.26	10.75	0.20	6.48	10.17	2.65	0.30	0.19																																															

M 268	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.04	1.25	14.39	11.11	0.17	7.54	13.98	2.46	0.07	0.00																																														
M 256B	16	greenstone	Hillabee Greenstone	Western Blue Ridge	49.20	1.25	16.70	10.48	0.17	7.57	12.65	1.82	0.14	0.00																																														
M 270	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.22	1.51	14.16	11.48	0.18	6.99	12.22	3.07	0.17	0.00																																														
M 362C	16	greenstone	Hillabee Greenstone	Western Blue Ridge	50.02	0.65	15.93	10.26	0.16	7.78	12.15	2.94	0.10	0.00																																														
M68	17	greenstone	Hillabee Greenstone	Western Blue Ridge	47.56	0.98	16.48	10.72	0.20	8.55	13.61	1.77	0.05	0.08			33				7.91	47	565	0.12	60	3.35	2.05	0.75	14	1.69		0.65	0.71		3.05	6.89	0.26		3.28	6.46	116	1.04	1.23	0.89		39.7	2.06		106	0.27	0.44	0.25			0.07	240		19	1.77	73	64
M201B	17	greenstone	Hillabee Greenstone	Western Blue Ridge	47.20	1.22	15.61	12.57	0.17	10.10	10.77	2.03	0.22	0.11			26				10.3	59	781	0.05	66	4.04	2.44	0.98	16	2.16		0.24	0.83		4.61	12.4	0.29		3.33	8.51	299	0.65	1.72	3.52		35.3	2.63		180	0.23	0.53	0.24			0.09	235		23	2.08	79	53
M243	17	greenstone	Hillabee Greenstone	Western Blue Ridge	48.16	1.35	15.44	12.96	0.19	7.57	11.29	2.87	0.05	0.12			235				14.8	57	506	0.03	126	5.88	3.41	1.42	16	3.09		0.73	1.19		8.52	9.17	0.37		4.45	14.5	100	1.2	3.15	0.4		46.2	4.14		153	0.33	0.8	0.58			0.17	311		31	2.85	82	62
M268	17	greenstone	Hillabee Greenstone	Western Blue Ridge	49.29	1.18	14.18	11.74	0.16	8.52	12.43	2.36	0.04	0.09			154				10.4	54	513	0.06	74	4.06	2.5	0.97	14	2.09		0.85	0.86		4.16	4.71	0.29		3.52	8.03	151	0.83	1.57	0.52		41.1	2.56		134	0.29	0.53	0.41			0.12	273		24	2.06	77	73
M271	17	greenstone	Hillabee Greenstone	Western Blue Ridge	51.14	1.54	13.91	13.18	0.20	6.45	10.95	2.31	0.15	0.15			24				21.3	55	103	0.32	81	5.59	3.36	1.2	17	3.55		1.58	1.16		8.97	8.84	0.41		6.82	14.1	55	4.14	3.02	6.02		41.6	3.97		140	0.47	0.79	1.64			0.38	319		33	2.82	105	52
M272	17	greenstone	Hillabee Greenstone	Western Blue Ridge	51.30	0.68	14.79	9.23	0.15	8.29	12.33	3.12	0.07	0.04			23				3.64	41	481	0.03	58	2.54	1.68	0.54	14	1.01		0.44	0.55		1.21	6.08	0.23		0.84	3.48	119	1.02	0.61	0.75		38.6	1.29		106	0.11	0.31	0.13			0.04	240		15	1.5	63	58
SM1100	17	greenstone	Hillabee Greenstone	Western Blue Ridge	48.06	0.37	13.90	10.75	0.20	11.28	14.21	1.16	0.04	0.02			36				2	67	243	0.05	145	1.42	0.92	0.35	10	0.55		0.26	0.31		0.82	4.53	0.13		0.35	1.71	111	0.38	0.31	0.27		39.2	0.66		64	0.09	0.17	0.09			0.03	162		8	0.82	52	56

Note : All oxides are recalculated on volatile free basis and expressed as weight percent(%). Samples with greater than 3% Loss on ignition were not included. Trace elements reported as (ppm). < - values below method detection limit; nd- not detected/not determined.

FeO* reported as Total Fe (Fe_2O_3 + FeO)%

^ Sources of data: This study- Oxides determined by XRF, Trace elements determined by ICP-MS; (1) Settles (2002); (2) German (1985); (3) Stow et al. (1984); (4) McConnell and Abrams (1984); (5) Holm-Denoma and Das (2010); (6) Thomas (2001); (7) Spell and Norell (1990); (8) Bream (1999); (9) Davis (1993); (10) Yanagihara (1994); (10) Kalbas (2003); (12) German (1990); (13) Tull et al. (1998); (14) Paris (1990); (15) Lesure et al (1992); (16) Tull et al. (1978); (17) Das (2006).

REFERENCES FOR DATA REPOSITORY 3

Bream, Brendan R., 1999, Structural and stratigraphic relationships of ortho- and paragneisses southwest of Marion, North Carolina [M.S. thesis]: Knoxville, University of Tennessee, 155 p.

Das, Reshmi, 2006, Geochemical and geochronological investigations in the southern Appalachians, southern Rocky Mountains and Deccan Traps [Ph.D. dissertation]: Tallahassee, Florida State University, p. 1-159.

Davis, T.L., 1993, Lithostratigraphy, structure , and metamorphism of a crystalline thrust terrane, western Inner Piedmont, North Carolina [Ph.D. dissertation]: Knoxville, University of Tennessee, 245 p.

German, J. M., 1985, The geology of the northeastern portion of the Dahlonega gold belt: Georgia Geological Survey Bulletin 100, 41 p.

German, J.M., 1990, Stratigraphic implications from core drilling in the vicinity of the Royal-Vindicator Gold Mine, Haralson County, Georgia: Georgia Geological Survey Information Circular 84, 19 p.

Holm-Denoma, C. S., and Das, Reshmi, 2010, Bimodal volcanism as evidence for Paleozoic extensional accretionary tectonism in the southern Appalachians: Geological Society of America Bulletin 2010;122;1220-1234 doi: 10.1130/B30051.1

Kalbas, J.L., 2003, Geology of part of the southwestern Brushy Mountains, Inner Piedmont [M.S.]: Knoxville, University of Tennessee, 208 p.

Lesure, F.G., Grimes, D.J., Curry, K.J., and Motooka, J.M., 1992, Analyses and descriptions of geochemical samples, southwestern part of the Dahlonega gold belt and vicinity, Georgia, and seven samples from Clay, Cleburne, and Tallapoosa Counties, Alabama: U.S. Geological Survey Open-File Report 92-419, 65 p.

McConnell, K. I., and Abrams, C. E., 1984, Geology of the greater Atlanta region (USA): Georgia Geological Survey Bulletin 96, 127 p.

Paris, T.A., 1990, The Royal-Vindicator gold deposit, Haralson County, Georgia: A metamorphosed epithermal hot springs type gold deposit, *in* Cook, R.B., ed., Proceedings of symposia on the economic mineral deposits of the southeast: Metallic ore deposits: Georgia Geological Survey Bulletin 117, p. 50-84.

Settles, D.J., 2002, Defining the Hayesville-Soque River and Allatoona faults and an

Ordovician arc assemblage within the central Blue Ridge northwest of Dahlonega, Georgia [M.S. thesis]: University of Tennessee at Knoxville, Knoxville, TN, United States, 161 p.

Spell, T.L., and Norrell, G.T., 1990, The Ropes Creek assemblage; petrology, geochemistry, and tectonic setting of an ophiolitic thrust sheet in the Southern Appalachians: American Journal of Science, v. 290, p. 811-842.

Stow, S.H., Neilson, M.J., and Neathery, T.L., 1984, Petrography, geochemistry, and tectonic significance of the amphibolites of the Alabama Piedmont; Mafic and ultramafic rocks of the Appalachian Orogen: American Journal of Science, v. 284, p. 414-436.

Thomas, C.W., 2001, Origins of mafic-ultramafic complexes of the eastern Blue Ridge province, southern Appalachians: Geochronological and geochemical constraints [M.S. thesis]: Nashville, TN, Vanderbilt University, 154 p.

Tull, J.F., Kish, S.A., Groszos, M.S., and Campbell, S.K., 1998, Laurentian magmatism of the southern Appalachian Blue Ridge: Post-Iapetan rifting: Geological Society of America Bulletin, v. 110; no. 10; p. 1281-1303.

Tull, J.F., Stow, S.H., Long, A.L., and Hayes-Davis, B., 1978, The Hillabee Greenstone: Stratigraphy, petrology, structure, geochemistry, and mineralization: University of Alabama, Mineral Resources Institute Research Report no.1, 100 p.

Yanagihara, G.M., 1995, Structure, stratigraphy, and metamorphism of a past of the Columbus Promontory, western Inner Piedmont, North Carolina [M.S. thesis]: Knoxville, University of Tennessee, 214 p.