

C: 123 EAST ALT

MAJOR OXIDES EAST GRID -1990
92B/13

TRACE ELEMENTS 827477
Mt. Sicker
AI K₂O/Na₂O mgO/CaO

SAMPLE NUMBER	FROM ()	TO ()	SiO ₂	Al ₂ O ₃	X CaO	X MgO	X Na ₂ O	X K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅ BAT	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid
89-1074	✓	A	52.80	15.99	9.85	4.00	1.86	0.01	8.54	0.36	0.62	0.020	110	128	54	2.70	5	25.50	.537	.406	
89-1075	✓	A	54.33	16.27	5.67	5.40	2.44	0.01	9.88	0.26	0.63	0.020	40	94	44	2.30	10	40.07	.409	.952	
89-1076	✓	R	67.51	15.10	0.01	2.87	0.19	3.44	5.07	0.07	0.32	0.160	46	52	35	0.90	5	96.93	18.11	287.00	
89-1077	✓	R	68.08	14.59	0.04	4.74	0.74	2.55	3.91	0.11	0.41	0.095	9	73	45	1.40	5	90.33	3.45	118.50	
89-1078	✓	R	76.34	12.12	0.01	1.25	0.13	3.29	3.16	0.02	0.14	0.185	16	20	19	0.50	5	97.01	25.31	125.00	
89-1079	✓	A	49.87	14.42	11.14	6.64	1.52	0.01	9.20	0.32	0.55	0.010	116	78	52	2.50	5	34.44	.007	.596	
89-1080	✓	A	47.90	19.36	8.41	4.74	4.22	0.01	9.59	0.21	0.86	0.015	108	69	34	3.10	5	27.33	.002	.564	
89-1081	✓	A	51.63	22.87	3.92	3.55	2.05	5.08	4.99	0.07	0.82	0.255	313	83	39	1.80	5	59.10	2.48	1.73	
89-1082	✓	R	75.97	12.97	0.57	0.35	6.03	0.45	1.63	0.02	0.28	0.040	8	12	8	0.30	5	10.81	.074	0.614	
89-1083	✓	R	66.21	16.53	2.90	2.44	1.92	1.97	4.13	0.08	0.35	0.060	6	48	31	0.80	5	47.78	1.026	0.84	

MAJOR OXIDES

TRACE ELEMENTS

AI $\frac{K_2O}{Al_2O_3}$ $\frac{MgO}{CaO}$

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au				
89-1084	✓	A	54.99	18.06	2.37	4.06	0.79	5.04	7.86	0.32	0.63	0.250	244	649	39	1.50	5	74.23	6.38	1.71	
89-2028	✓		76.14	11.77	0.01	1.82	3.20	1.51	2.17	0.03	0.25	0.080	13	75	49	0.50	10				
89-2030	✓	R	79.32	10.10	0.01	0.65	0.15	3.33	3.06	0.01	0.20	0.195	33	16	17	0.70	25	96.13	22.20	65.00	
89-2031	✓	R	81.13	8.60	0.01	0.61	0.97	2.35	2.85	0.01	0.20	0.120	10	10	15	0.20	15	75.13	24.2	61.00	
89-2032	✓	A	54.79	15.78	6.85	5.70	1.61	0.01	9.21	0.31	0.59	0.005	552	138	55	2.60	5	40.30	.006	0.832	
89-2033	✓	A	53.73	12.72	0.01	5.75	1.24	1.58	14.65	0.15	0.54	0.105	226	98	56	0.80	10	85.43	1.274	575	
89-2034	✓	A	55.67	16.26	1.60	6.87	3.93	0.01	8.89	0.31	0.61	0.010	53	185	58	2.40	5	55.44	.002	4.29	
89-2035	✓	R	67.00	17.78	0.01	2.02	2.09	4.38	1.87	0.01	0.35	0.285	11	55	21	0.50	5	75.29	2.09	202	
89-2036	✓	R	73.14	12.63	0.01	0.72	1.55	3.30	4.46	0.01	0.24	0.330	24	124	122	0.80	60	72.04	2.13	72	
89-2037	✓	A	52.93	17.19	0.61	7.82	3.86	0.93	8.59	0.18	0.74	0.050	11	109	62	1.30	5	66.19	.241	12.82	
89-2038	✓	R	67.02	13.43	0.01	4.51	1.67	1.83	5.80	0.10	0.31	0.105	48	81	41	0.70	5	79.05	1.096	451	
89-2039	✓	R	70.59	14.96	0.32	2.70	2.96	2.25	2.39	0.04	0.30	0.095	7	36	24	0.60	5	60.14	0.760	8.44	

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MAJOR OXIDES

TRACE ELEMENTS

Al ^{K2O}/_{Na} ^{Mg}/_{CaO}

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES									TRACE ELEMENTS					Rock Type	Alt	Min	Grid	
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag					ppb Au
89-2040	✓	R	72.92	14.32	0.52	2.71	3.64	2.09	0.85	0.03	0.22	0.155	4	23	23	0.40	5	SB	53.57	.574	5.21
89-2041	✓	R	68.91	15.02	0.01	3.50	2.26	2.79	3.16	0.05	0.29	0.15	6	46	31	0.50	5		73.48	1.23	350.00
89-2042	✓	A	56.29	17.05	0.50	7.04	3.53	1.03	7.78	0.14	0.62	0.050	38	126	53	1.40	5		67.19	.291	14.08
89-2043	✓	A	54.63	14.20	0.65	8.44	2.36	0.13	11.51	0.21	0.59	0.015	259	97	54	1.70	5		74.00	.055	12.98
89-2044	✓	A	54.85	15.51	0.94	6.11	4.12	0.41	9.98	0.14	0.61	0.030	13	63	51	1.60	5		56.30	.099	6.50
89-2045	✓	R	65.56	0.89	0.03	0.38	0.01	0.01	19.00	0.01	0.02	0.005	75	30	8	0.10	5		90.69	1	12.66
89-2046	✓	A	54.40	16.46	2.34	6.28	3.52	0.28	10.00	0.17	0.64	0.040	30	68	49	1.50	5		52.82	.079	2.68
89-2047	✓	A	53.34	17.26	3.91	6.26	4.11	0.03	8.56	0.27	0.64	0.010	153	100	51	1.80	5		43.95	.007	1.60
89-2048	✓	A	59.69	10.39	0.22	4.27	1.86	0.48	15.01	0.12	0.36	0.035	30	71	43	1.10	10		69.55	.258	19.41
89-2049	✓	R	70.44	14.71	0.18	1.19	5.17	1.29	3.33	0.05	0.29	0.105	76	34	19	0.20	5		31.67	.249	6.61

To 2054

- MAJOR OXIDES -

TRACE ELEMENTS

AI $\frac{K_2O}{Na_2O}$ $\frac{MgO}{CaO}$

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid	
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au					
89-2050	✓	R	72.43	13.37	1.02	1.32	5.27	0.62	3.12	0.12	0.27	0.035	19	51	25	0.80	5	23.57	.117	1.294		
89-2051	✓	A	51.12	18.22	5.30	5.37	4.63	0.25	8.99	0.29	0.68	0.030	99	138	56	2.20	5	36.14	.054	1.01		
89-2052	✓	R	69.63	13.53	3.36	1.97	1.94	2.92	2.98	0.06	0.27	0.090	24	49	19	0.70	5	47.98	1.51	.586		
89-2053	✓	A	44.19	16.07	10.49	7.33	1.41	0.18	9.74	0.31	0.76	0.045	28	166	59	2.50	5	38.69	.127	.699		
89-2054	✓	R	71.47	14.48	0.40	1.47	5.22	1.17	2.64	0.06	0.30	0.065	11	56	25	0.40	5	31.96	.224	3.675		
GG86-98	✓	R	65.63	14.28	0.40	4.04	1.16	2.66	7.28	0.08	0.39	0.165	26	33	2	<1.00	3	81.11	2.29	10.10		
GG86-75	✓	R	68.52	13.79	1.33	3.85	3.20	0.93	4.57	0.13	0.33	0.179	14	39	3	<1.00	3	51.34	.291	2.89		
GG86-98	✓	R	65.63	14.28	0.40	4.04	1.16	2.66	7.28	0.08	0.39	0.165	26	33	2	<1.00	3					
GG86-110	✓	R	68.86	15.25	0.12	3.02	0.94	3.21	5.04	0.04	0.29	0.165	14	32	42	<1.00	10	85.45	3.41	25.16		
GG86-108	✓	R	73.03	13.24	0.10	1.82	0.37	3.14	5.55	0.04	0.24	0.192	12	1	4	<1.00	70	91.34	8.49	18.20		

LITHOGEOCHEMISTRY

A.I. $\frac{K_2O}{Na_2O}$ $\frac{MgO}{CaO}$

SAMPLE NUMBER		R	MAJOR OXIDES						TRACE ELEMENTS						Rock Type					
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	ppm Cu	ppm Zn	ppm Pb					ppm Ag	ppb Au
GG86-58	✓	R	67.02	15.60	0.31	3.37	2.08	2.48	5.75	0.15	0.41	0.126	10	106	7	<1.00	5	71.00	1.192	10.87
GG86-68	✓	R	72.22	14.69	0.98	2.69	2.70	1.97	1.33	0.03	0.19	0.151	7	10	4	<1.00	3	55.87	0.729	2.74
GG86-60	✓	R	76.51	12.61	0.82	2.63	1.58	1.83	2.26	0.04	0.21	0.094	54	8	<2	<1.00	20	65.01	1.158	3.207
GG86-61	✓	R	68.21	14.12	0.24	4.75	0.31	2.69	6.65	0.08	0.21	0.208	2511	127	5	<1.00	35	93.11	8.68	19.79
GG86-62	✓	R	69.52	15.63	0.25	4.03	0.48	2.98	4.16	0.10	0.19	0.222	27	64	<2	<1.00	5	90.57	6.21	16.12
GG86-64	✓	R	66.87	15.56	0.29	6.21	1.47	2.33	4.10	0.08	0.25	0.123	9	38	2	<1.00	10	82.91	1.585	21.41
GG86-68	✓	R	72.22	14.69	0.98	2.69	2.70	1.97	1.33	0.03	0.19	0.151	7	10	4	<1.00	3	55.87	0.729	2.74
GG86-88	✓ Silver CK	R	71.70	15.79	1.85	0.69	1.94	3.27	2.10	0.04	0.19	0.089	15	27	7	<1.00	10	51.10	1.685	.373
GG86-90	✓ Silver CK	R	63.87	18.25	3.81	1.43	0.94	4.12	4.55	0.11	0.48	0.103	15	57	2	<1.00	5	53.88	4.383	.375
GG86-104	✓ Silver CK	R	69.88	16.98	0.97	1.59	1.52	3.63	2.40	0.05	0.22	0.144	13	14	3	<1.00	3	67.70	2.388	1.639
GG86-102	✓ Silver CK	R	72.45	14.70	0.09	1.12	0.07	3.53	4.98	0.02	0.13	0.184	506	14	7	<1.00	25	96.67	50.43	12.444

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER			MAJOR OXIDES										TRACE ELEMENTS					Rock Type
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂		ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	
SK86-74	✓	R	71.26	15.19	0.21	2.14	4.32	1.75	4.05	0.08	0.25	0.087	5	56	5	<1.00	<5	
SK86-75	✓	R	75.68	13.63	0.20	0.84	4.61	1.61	1.81	0.04	0.21	0.095	4	17	5	<1.00	5	
SK86-77	✓	R	69.82	16.12	0.92	1.76	4.75	2.06	3.40	0.08	0.25	0.089	3	40	8	<1.00	<5	
SK86-82	✓	R	69.94	15.07	0.35	4.36	2.92	1.80	4.10	0.16	0.24	0.090	7	87	5	<1.00	10	
SK86-83	✓	R A	63.47	14.15	0.84	5.38	4.49	0.49	6.94	0.21	0.40	0.030	28	79	7	<1.00	<5	
SK86-86	✓	R	70.71	15.46	0.13	4.00	2.98	1.88	3.73	0.10	0.23	0.085	3	51	4	<1.00	<5	
																		19A 37R

LITHOGEOCHEMISTRY

DDM 1

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	MAJOR OXIDES												TRACE ELEMENTS					Rock Type
	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	BAT	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au			
85-73 17140	23.40	26.40	65.60	14.89	0.53	3.58	2.46	2.30	4.89	0.13	0.29	0.120	170	119	16	1.60	5	
85-73 17141	50.00	53.00	61.55	14.96	2.35	6.62	2.12	1.38	4.38	0.17	0.35	0.125	15	83	6	1.60	5	
85-73 17142	81.00	84.00	67.33	15.32	0.22	3.50	2.75	2.29	3.74	0.08	0.27	0.110	8	36	4	1.20	5	
85-73 17143	108.80	111.80	52.17	15.72	2.96	7.97	2.06	0.01	11.21	0.26	0.64	0.020	306	95	15	2.10	5	
85-73 17144	160.60	163.60	52.63	16.77	2.64	7.10	3.09	0.47	9.12	0.29	0.62	0.115	314	110	18	2.30	5	
85-73 17145	218.50	221.50	49.58	16.24	3.29	4.66	2.49	1.79	7.79	0.24	0.58	0.075	110	203	6	2.00	10	
85-73 13718	245.90	247.40	73.36	13.44	1.20	1.29	0.07	5.07	2.89	0.04	0.27	0.175	312	66	16	1.40	45	
84-6 17121	11.90	15.40	59.75	14.92	0.90	6.06	1.21	1.97	7.53	0.17	0.41	0.165	465	122	16	1.70	5	AND ASH
84-6 17122	27.00	30.00	65.21	16.20	0.31	4.27	2.16	2.64	4.04	0.10	0.37	0.190	24	51	8	1.20	5	FELDT
84-6 6-10-1	40.22	43.50			1.10	6.90	1.90	2.00				0.116	33	72	5	0.20	10	And
84-6 6-11-1	48.14	53.10			2.10	7.60	2.20	1.40				0.109	240	90	2	0.20	5	And
84-6 17123	59.00	62.00	51.19	15.63	2.62	7.80	2.26	0.01	12.03	0.30	0.61	0.030	776	113	15	2.00	5	And
84-6 6-12-2	67.35	72.75			6.20	7.30	0.20	0.10				0.012	660	100	2	0.20	5	And
84-6 6-15-1	81.70	88.72			5.50	7.30	2.30	0.30				0.018	410	94	2	0.20	10	And
84-6 17124	90.00	93.00	51.83	17.07	3.46	6.26	3.08	0.17	9.42	0.22	0.66	0.025	129	70	20	1.70	5	And
84-6 17125	118.00	120.50	50.55	17.11	4.00	6.25	4.18	0.01	9.32	0.34	0.65	0.060	109	117	6	1.80	5	And
84-6 6-25	131.90	134.38			4.00	6.50	2.70	0.40				0.097	240	108	2	0.20	10	And
84-6 17137	165.50	168.50	64.96	15.71	2.22	2.06	3.17	2.72	3.20	0.11	0.27	0.090	12	51	2	1.20	5	Rhy
84-6 6-51	191.00	192.60			1.90	2.20	2.30	3.70				0.156	6	43	5	0.20	5	Rhy
84-6 17138	195.70	198.70	68.97	14.68	1.17	1.78	0.04	4.47	3.47	0.06	0.29	0.230	238	116	43	2.90	15	Rhy

LITHOGEOCHEMISTRY

00H 2

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	RAT	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	
84-6 54-2	205.40	209.94	✓		3.20	1.70	0.40	4.90				0.422	270	560	40	1.80	95	Rhy.	
84-6 55-2	213.44	216.94	✓		2.00	1.40	0.70	4.40				0.163	30	172	16	0.50	400	Rhy	
84-6 17139			✓	64.85	16.56	2.35	1.64	3.06	3.42	2.77	0.07	0.34	0.100	30	31	2	1.20	5	Rhy
84-3																			
84-3 3-7	48.60	51.20	✓		0.90	3.50	0.20	5.70				0.255	149	252	46	1.00	100	Rhy	
84-3 3-14	61.57	65.15	✓		1.40	1.90	0.70	5.10				0.221	88	680	26	0.70	55	Rhy	
84-3 3-18	71.68	78.51	✓		4.00	1.20	3.70	1.80				0.077	30	45	6	0.20	5	Rhy	
84-3 8432	92.00	95.00	✓	65.06	14.47	4.26	1.75	2.14	2.22	3.15	0.06	0.29	0.090	33	42	19	1.0	5	
84-3 8433	120.00	123.40	✓	52.35	17.84	4.57	4.29	3.03	1.51	9.08	0.10	1.00	0.049	71	58	16	1.20	5	And
84-3 3-45	128.39	132.59	✓		9.40	4.30	1.70	0.10					241	87	3	0.20	5	And	
85-72 17161	8.20	11.20	✓	51.88	13.81	2.24	8.37	1.22	2.38	11.88	0.26	0.58	0.065	704	89	32	1.20	5	
85-72 8572-1	29.50	32.60	✓	46.80	13.62	8.37	6.42	0.75	0.20	11.57	0.27	1.15	0.010	95	63	13	0.80	5	
85-72 17162	59.76	62.70	✓	56.28	15.08	2.18	4.47	3.77	2.28	8.87	0.12	0.48	0.050	132	51	22	0.80	5	
85-72 17163	74.00	77.00	✓	49.46	16.72	4.89	5.83	3.35	2.18	9.85	0.19	0.67	0.080	136	67	14	0.90	5	
85-72 8572-2	78.30	81.30	✓	67.27	13.68	3.04	1.46	5.56	0.60	3.05	0.06	0.28	0.019	25	27	36	0.60	5	Felsic Dyke.
85-72 8572-3	99.60	102.70	✓	54.73	15.80	3.08	4.79	2.94	2.41	7.95	0.20	0.54	0.070	514	389	83	2.40	25	
85-72 8572-4	124.00	127.10	✓	65.68	14.75	1.65	2.36	2.01	3.80	4.28	0.11	0.41	0.080	40	104	15	0.70	5	
85-72 13684	135.63	137.10	✓	64.01	17.44	2.52	1.44	0.72	4.12	3.63	0.05	0.35	0.130	14	53	20	1.20	10	

LITHOGEOCHEMISTRY

DDH 3

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type		
85-72 13694	149.13	151.40	✓46.66	13.92	9.10	4.42	1.99	2.83	9.06	0.17	1.15	0.045	128	138	31	1.80	20
85-72 13696	160.50	162.12	✓66.78	12.81	5.21	0.82	2.26	3.37	3.20	0.07	0.27	0.120	10	13	16	1.20	10
85-72 17164	181.90	184.90	✓65.31	13.35	3.06	1.01	2.58	2.71	7.00	0.07	0.18	0.065	5	38	13	0.20	5
85-72 8572-6	196.50	199.60	✓55.03	16.61	6.12	2.92	2.78	2.03	6.77	0.15	0.71	0.050	38	63	25	1.50	5
85-71 17159	6.75	8.81	✓54.37	14.24	3.13	7.08	2.38	2.20	10.63	0.30	0.59	0.015	218	89	28	1.20	5
85-71 8571-1	31.80	34.80	✓55.95	13.05	1.32	5.76	2.79	0.42	10.36	0.17	0.51	0.024	10	54	12	0.30	5
85-71 8571-2	68.20	70.90	✓49.54	15.11	5.27	7.36	1.94	0.42	10.17	0.44	0.61	0.022	346	113	10	0.30	5
85-71 8571-3	108.80	111.90	✓52.40	17.35	2.21	5.01	3.01	2.25	8.67	0.33	0.61	0.177	180	239	24	0.50	10
85-71 8571-4	130.50	133.80	✓67.84	15.45	1.44	1.68	2.27	3.54	3.13	0.09	0.31	0.075	50	54	14	0.80	5
85-71 17160	154.50	157.50	✓65.89	14.36	1.64	3.02	2.92	3.15	3.43	0.11	0.33	0.075	71	44	24	0.70	5
85-71 8571-6	197.20	200.30	✓67.89	14.99	2.36	1.13	2.41	3.50	2.45	0.05	0.38	0.074	33	57	19	0.80	5
85-71 8571-7	215.50	218.50	✓47.43	15.03	10.54	4.07	4.19	0.29	7.50	0.22	0.70	0.022	46	61	15	0.50	5
89-2189 17181	62.79	65.79	✓74.23	12.69	2.13	0.39	2.50	2.75	0.87	0.01	0.20	0.110	54	66	12	0.70	10
89-2189 17182	88.70	91.70	✓70.12	14.63	1.13	3.11	4.50	2.05	0.96	0.03	0.22	0.080	6	24	28	0.80	5
89-2189 17183	116.25	119.25	✓42.67	15.75	10.94	9.60	0.38	1.30	11.50	0.24	1.47	0.005	184	92	56	3.40	5
89-2189 17184	132.70	135.70	✓67.20	13.61	0.42	3.85	0.50	3.25	5.14	0.09	0.32	0.115	24	95	32	0.80	15
89-2189 17185	154.50	157.50	✓59.82	15.06	0.57	7.09	2.01	2.35	6.17	0.17	0.42	0.085	31	114	61	1.00	10
89-2189 17186	187.20	189.60	✓51.54	16.68	1.17	8.45	1.45	2.49	9.94	0.25	0.61	0.125	186	130	55	1.10	5

LITHOGEOCHEMISTRY

ODH 4

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	MAJOR OXIDES												TRACE ELEMENTS					Rock Type	
	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂		ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au				
89-268 17187	209.40	212.40	✓163.10	17.06	2.61	6.81	3.70	1.57	8.61	0.23	0.62	0.020	126	123	53	1.20	5		
89-269 17188	242.90	245.90	✓154.20	16.82	2.29	6.34	3.72	1.74	8.36	0.17	0.60	0.040	69	75	52	1.70	10		
89-270 17189	132.89	135.89	✓67.67	14.09	1.91	1.86	3.55	2.85	2.71	0.07	0.44	0.220	20	57	21	0.90	5		
89-270 17190	171.00	174.00	✓69.46	14.25	1.46	2.10	4.45	2.29	2.53	0.03	0.32	0.060	186	24	20	0.90	10		
89-270 17191	202.54	205.54	✓67.01	13.33	0.32	3.51	1.86	2.83	5.68	0.08	0.28	0.105	17	75	40	0.50	10		
89-270 17192	225.31	228.31	✓67.21	14.57	0.48	3.83	2.33	2.88	3.72	0.11	0.34	0.080	7	65	40	0.80	5		
89-270 17193	237.50	240.00	45.39	14.24	5.82	7.97	2.21	1.72	11.61	0.27	1.71	0.010	29	168	69	4.20	5	Diorite	
89-270 17194	259.00	262.00	✓52.82	16.13	1.64	7.55	3.83	1.83	8.75	0.23	0.63	0.030	147	187	69	1.50	5		
89-270 17195	264.68	266.11																	
89-270 17195	302.00	304.80	✓53.88	15.65	2.74	7.39	3.10	1.69	8.73	0.19	0.54	0.010	114	81	65	1.70	5		
89-267 17371	10.66	13.66	✓68.56	14.24	0.89	2.93	2.41	2.18	4.40	0.08	0.35	0.110	16	46	29	0.80	5		
89-267 17372	39.00	41.70	✓68.19	14.60	1.22	2.59	3.87	1.69	3.69	0.10	0.35	0.070	44	47	24	0.40	5		
89-267 17373	69.50	72.50	✓66.85	14.99	1.55	3.05	3.78	1.70	3.95	0.11	0.38	0.060	8	49	31	0.80	5		
89-267 17374	88.00	91.00	✓59.91	16.25	2.72	4.52	4.17	1.09	6.00	0.10	0.51	0.080	121	54	41	1.60	10		
89-267 17375	121.00	124.00	✓52.28	17.05	5.10	6.00	2.51	1.02	9.20	0.20	0.63	0.040	290	69	48	1.80	5		
89-267 17176	154.00	157.00	✓51.83	17.33	5.66	5.80	3.07	0.40	9.68	0.25	0.73	0.015	35	137	80	2.20	5		
89-267 17177	179.50	181.50	✓53.92	17.72	3.96	5.16	4.09	0.54	8.77	0.19	0.67	0.035	17	89	51	1.90	15		
89-267 17178	205.30	208.30	✓51.58	16.50	4.24	5.78	3.44	0.35	11.82	0.22	0.62	0.015	68	83	48	1.20	10		

LITHOGEOCHEMISTRY

DDH5

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	MAJOR OXIDES												TRACE ELEMENTS					Rock Type	
	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au					
89-267 13510	226.53	227.90	70.86	14.23	0.86	4.66	1.04	4.02	2.73	0.08	0.35	0.125	32	160	142	0.70	50		
89-267 13551	250.75	251.60																	
84-2 13699	8.80	11.80	65.38	15.93	2.22	1.50	2.60	3.92	2.78	0.13	0.24	0.1000	13	38	12	1.60	5	18.00 m from Collar	
84-2 -1	29.00	31.90	68.20	14.27	1.99	1.72	2.44	3.51	2.76	0.12	0.22	0.119	77	76	33	1.10	5		
84-2 13700	36.00	39.00	61.65	15.04	2.48	2.99	1.74	3.64	4.82	0.15	0.27	0.170	41	170	38	2.00	65		
84-2 17119	68.50	71.50	63.09	16.25	3.27	1.38	3.74	2.55	3.80	0.03	0.30	0.640	18	86	40	3.20	75		
84-2 17120	78.40	81.40	62.44	15.64	3.13	1.76	2.95	3.08	3.94	0.07	0.36	0.055	14	28	4	1.60	5		
84-1 17146	13.40	16.40	69.50	14.22	2.39	1.47	2.86	1.67	2.45	0.12	0.22	0.175	24	64	4	1.70	5		
84-1 -1	29.00	32.00	64.39	15.82	1.27	5.98	1.38	2.88	7.87	0.33	0.72	0.215	347	503	102	1.50	50		
84-1 17147	37.00	40.00	68.72	13.09	1.58	1.38	0.25	3.94	4.85	0.04	0.25	0.440	338	1159	540	4.50	125		
84-1 17148	57.57	60.68	64.32	16.27	2.90	1.85	3.77	1.89	3.14	0.05	0.35	0.175	10	30	18	2.10	5		
84-1 17149	71.60	74.60	66.72	14.71	1.97	1.49	3.13	2.70	3.51	0.07	0.35	0.040	13	24	10	1.70	5		
86-100 17152	20.30	23.30	72.84	13.13	2.01	0.60	3.85	2.73	0.75	0.02	0.23	0.080	8	12	28	0.50	5	33.00 m from Collar	
86-100 -1	26.70	30.00	70.76	13.18	2.24	1.57	3.74	1.78	1.31	0.02	0.20	0.089	19	20	16	1.00	5	42.00 m from Collar	
86-100 17153	47.80	50.80	72.73	13.40	1.43	1.96	2.92	3.28	1.17	0.03	0.22	0.175	4	5	16	0.40	5		
86-100 17154	72.20	75.20	71.01	14.19	0.46	2.82	0.69	3.54	2.77	0.04	0.23	0.145	13	19	20	0.60	5		
86-100 17155	78.50	80.50	45.65	14.35	10.15	5.89	1.31	2.15	11.59	0.25	1.82	0.005	150	98	32	1.40	10		
86-100 -3	94.10	97.10	63.30	13.79	0.31	4.08	0.98	2.75	5.88	0.10	0.35	0.127	76	69	16	1.10	5		
86-100 17156	109.28	114.00	48.40	15.89	3.59	7.37	2.31	2.59	11.00	0.26	1.21	0.065	114	135	36	1.50	5		
86-100 17157	146.34	149.34	66.84	14.45	2.58	1.96	1.52	3.27	4.72	0.05	0.35	0.355	204	30	28	0.80	35		

LITHOGEOCHEMISTRY

D046

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	MAJOR OXIDES												TRACE ELEMENTS					Rock Type
	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au				
86-100-5	161.40	164.40	52.35	15.69	3.34	6.14	2.47	0.54	10.01	0.23	0.61	0.027	528	86	13	0.80	5	
86-100-6	188.5	191.50	53.30	15.47	1.38	5.95	3.50	0.98	9.69	0.20	0.59	0.078	9	74	25	0.50	5	
86-17158	84.40	87.40	73.25	12.33	2.47	0.49	4.49	2.65	0.61	0.02	0.21	0.080	5	6	17	0.40	5	
86-102-1	28.50	31.50	47.01	15.51	8.13	5.19	2.70	0.21	12.63	0.19	2.23	0.008	202	74	21	3.60	10	
86-102-2	61.20	64.20	46.71	13.51	10.56	5.64	2.23	0.19	12.35	0.20	2.17	0.016	141	49	20	3.20	5	
86-102-17158	84.40	87.40	73.25	12.33	2.47	0.49	4.49	2.65	0.61	0.02	0.21	0.080	5	6	17	0.40	5	
86-102-3	98.60	101.60	69.65	13.69	1.28	2.06	1.33	3.82	2.46	0.06	0.24	0.391	31	40	15	0.90	5	
86-102-4	131.60	134.60	49.35	17.83	2.12	6.42	3.11	1.80	10.04	0.16	0.70	0.076	158	80	8	1.10	5	
86-102-5	157.50	160.50	67.24	15.47	0.23	2.63	3.42	2.26	3.78	0.13	0.32	0.080	177	64	11	1.10	5	
86-105-1	29.40	32.40	66.73	13.43	0.19	3.86	0.79	2.86	4.22	0.08	0.31	0.112	29	80	18	1.20	10	37.00m from collar
86-105-17151	50.90	53.90	53.63	15.96	0.87	7.30	3.41	2.44	8.78	0.22	0.61	0.120	116	117	44	1.40	5	
86-106-1	29.70	32.70	70.40	13.71	2.44	1.45	2.39	2.54	1.61	0.03	0.22	0.123	42	22	15	0.80	5	43.00 m from collar
86-106-2	66.40	69.40	67.31	14.27	1.20	2.61	3.57	1.82	3.00	0.03	0.33	0.086	534	19	17	1.50	5	
86-106-3	96.40	99.40	63.29	14.17	0.22	3.37	0.72	3.39	5.73	0.09	0.34	0.142	58	59	12	1.20	5	

MAJOR OXIDES

TRACE ELEMENTS

AI

$\frac{K_2O}{Na_2O}$

$\frac{MgO}{CaO}$

TR ①

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES								TRACE ELEMENTS					Rock Type	Alt	Min	Grid		
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb					ppm Ag	ppb Au
TR29-4	✓	A			0.80	8.30	2.50	1.30				0.109	1410	100	2	4.2	10	74.42	0.52	10.375	
TR29-5-5	✓	R			1.20	7.60	3.00	0.60					149	81	42	4.2	45	66.12	0.20	6.333	
TR-28-13-1	✓	A			2.55	6.30	3.90	0.30				0.044	360	118	42	4.2	5	50.57	0.076	2.471	
TR28-13-2	✓	A			3.45	6.25	3.50	0.50				0.045	174	103	42	4.2	45	49.27	0.143	1.812	
TR ²⁸ -14-2	✓	R			1.40	4.75	1.40	2.10				0.224	28000	250	2	3.8	9	70.98	1.50	3.392	
TR-26-4	✓	A			2.95	7.10	3.50	0.30				0.023	83	99	7	4.20	45	53.43	0.086	2.407	
TR26-6	✓	A			3.35	6.85	2.90	0.40				0.029	182	158	3	4.20	45	53.70	0.138	2.045	
TR26-8	✓	A			1.20	5.00	2.20	0.50				0.036	140	60	5	4.20	45	61.80	0.227	4.166	
TR26-19-2	✓	A			2.25	5.75	3.00	0.70				0.045	57	61	2	0.30	15	55.13	0.233	2.555	
TR26-21	✓	A			5.45	5.10	2.40	0.70				0.050	240	56	4	4.20	45	42.49	0.292	0.963	

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TR-2

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM ()	TO ()	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid
TR25-8	✓	R			1.55	0.65	2.80	2.70				0.084	3	32	3	4.20	45				
TR25-11	✓	ARG			0.85	3.95	0.90	4.90				0.325	159	550	148	.90	70				
TR25-12-3	✓	ARG			0.85	4.95	1.00	5.10				0.259	220	380	91	1.60	130				
TR25-13-1	✓	R			0.35	2.35	0.50	4.80				0.230	54	880	24	0.60	80				
TR25-13-2	✓	R			0.20	1.00	1.90	3.20				0.113	14	186	5	4.20	45				
TR20-1	✓	R			0.20	5.40	0.40	4.00				0.131	94	320	9	4.20	30				
TR20-3-2	✓	R			0.30	3.45	0.90	4.60				0.209	132	224	6	0.30	50				
TR20-4	✓	R			1.00	1.85	1.30	5.30				0.202	280	530	4	0.60	50				
TR20-6	✓	R			0.20	0.60	1.30	2.00				0.078	23	19	3	4.20	45				
TR20-8	✓	R			0.20	1.90	0.50	4.40				0.193	107	64	20	.30	30				

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TR3

- MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM ()	TO ()	MAJOR OXIDES									TRACE ELEMENTS					Rock Type	Alt	Min	Grid		
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag					ppb Au	
TR20-11	✓	R			0.14	4.35	0.80	6.00					.297	81	216	8	0.80	120				
TR20-14-2	✓	R			0.30	0.75	2.90	3.20					.121	45	63	13	0.20	45				
TR20-15-1	✓	R			0.30	1.00	2.70	3.10					.118	18	56	10	4.20	45				
TR20-16-1	✓	R			0.30	0.75	2.60	3.10					.111	6	23	4	4.20	45				
TR20-17-1	✓	R			0.30	1.30	0.70	5.20					.251	58	106	230	2.80	210				
TR20-19	✓	R			0.70	3.75	1.00	4.50					.413	620	800	107	2.20	195				
TR20-20	✓	R			0.40	1.80	1.10	4.50					.543	940	3100	360	8.60	365				
TR20-21-2	✓	R			0.40	1.20	1.80	3.30					.353	12	184	7	0.20	25				
TR20-24	✓	R			0.35	1.05	2.50	3.80					.151	14	61	3	4.20	10				
TR20-28	✓	R			0.60	2.10	2.20	2.40					.140	26	62	5	0.30	5				

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TR 4

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM ()	TO ()	SiO ₂	Al ₂ O ₃	CaO ⊖	MgO ⊕	Na ₂ O ⊖	K ₂ O ⊕	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid
TR19-1	✓	R			0.40	1.60	2.40	2.90				.110	23	62	9	<.20	10				
TR19-3-2	✓	R			0.20	0.95	1.10	5.60				.588	36	100	190	9.00	1440				
TR19-8	✓	R			10.05	0.85	0.90	3.10				.491	50	127	760	3.40	195				
TR19-14	✓	R			0.15	0.70	0.30	3.90				.279	2600	2150	37	26.00	240				
TR22-8	✓	A			3.10	6.10	0.70	1.30				.076	92	66	<2	<.20	<5				
TR24-12	✓	A			3.30	5.00	2.10	1.80				0.130	25	48	<2	<.20	<5				
TR24-11	✓	A			2.70	6.20	2.50	1.60				0.108	22	66	<2	<.20	<5				
TR24-11-2	✓	A			5.70	5.95	2.60	1.10				0.048	430	88	<2	<.20	5				
TR24-11	✓	A			4.15	5.60	1.40	0.70				0.045	132	75	<2	<.20	<5				
TR24-12	✓	A			4.50	7.60	1.70	0.60				0.022	192	109	<2	<.20	<5				

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TR5

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER			MAJOR OXIDES									TRACE ELEMENTS					Rock Type	
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au		
TR24-2-2 ✓	A				7.40	4.30	2.70	1.40			0.027		280	74	42	4.20	45	
TR23-12 ✓	R				0.80	3.95	1.20	3.40			.223		76	228	28	0.60	25	
TR23-10 ✓	R				0.35	5.40	2.40	2.40			.140		55	284	4	4.20	10	
TR23-9-1 ✓	R				0.30	6.30	2.00	2.50			.140		200	288	5	0.20	15	
TR23-8-1 ✓	R				0.20	6.65	1.30	2.70			.172		250	354	14	0.70	30	
TR23-6 ✓	A				1.45	3.80	2.40	3.90			.228		178	288	16	0.30	25	

Na_2O < 1% within 1 km }
 K_2O ~ 5% within 1 km } Footwall Rocks, dacites Fukazawa deposits
 CaO < .10 within 1 km }

AI + 85% is common within 200m of economic mineralization in Kuroko
Increase from 50 to 90% over 2 km

① Ratio the Chemical elements being examined to a standard SiO_2 content

↓
does not take into account SiO_2 enrichment

EAST GRID ANDESITES

SAMPLE NUMBER	SiO ₂ %	Al ₂ O ₃ %	CaO%	MgO%	Na ₂ O%	K ₂ O%	FeO%	MnO%	TiO ₂ %	Ba%	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	A.I.	K ₂ O Na ₂ O	MgO CaO
89-1074	52.80	15.99	9.85	4.00	1.86	0.01	8.54	0.36	0.62	0.020	110	128	54	2.70	5	25.51	0.01	0.4
89-1075	54.33	16.27	5.67	5.40	2.44	0.01	9.88	0.26	0.63	0.020	40	94	44	2.30	10	40.01	0.00	1.0
89-1079	49.87	14.42	11.14	6.64	1.52	0.01	9.20	0.32	0.55	0.010	116	78	52	2.50	5	34.44	0.01	0.6
89-1080	47.90	19.36	8.41	4.74	4.22	0.01	9.59	0.21	0.86	0.015	108	69	34	3.10	5	27.33	0.00	0.6
89-1081	51.63	22.87	3.92	3.55	2.05	5.08	4.99	0.07	0.82	0.255	313	83	39	1.80	5	59.11	2.48	0.9
89-1084	54.99	18.06	2.37	4.06	0.79	5.04	7.86	0.32	0.63	0.250	244	649	39	1.50	5	74.23	6.38	1.7
89-2032	54.79	15.78	6.85	5.70	1.61	0.01	9.21	0.31	0.59	0.005	552	138	55	2.60	5	40.30	0.01	0.8
89-2033	53.73	12.72	0.01	5.75	1.24	1.58	14.65	0.15	0.54	0.105	226	98	56	0.80	10	85.43	1.27	575.0
89-2034	55.67	16.26	1.60	6.87	3.93	0.01	8.89	0.31	0.61	0.010	53	185	58	2.40	5	55.44	0.00	4.3
89-2037	52.93	17.19	0.61	7.82	3.86	0.93	8.59	0.18	0.74	0.050	11	109	62	1.30	5	66.19	0.24	12.8
89-2042	56.29	17.05	0.50	7.04	3.53	1.03	7.78	0.14	0.62	0.050	38	126	53	1.40	5	66.69	0.29	14.1
89-2043	54.63	14.20	0.65	8.44	2.36	0.13	11.51	0.21	0.59	0.015	259	97	54	1.70	5	74.01	0.06	13.0
89-2044	54.85	15.51	0.94	6.11	4.12	0.41	9.98	0.14	0.61	0.030	13	63	51	1.60	5	56.30	0.10	6.5
89-2046	54.40	16.46	2.34	6.28	3.52	0.28	10.00	0.17	0.64	0.040	30	68	49	1.50	5	52.82	0.08	2.7
89-2047	53.34	17.26	3.91	6.26	4.11	0.03	8.56	0.27	0.64	0.010	153	100	51	1.80	5	43.96	0.01	1.6
89-2048	59.69	10.39	0.22	4.27	1.86	0.48	15.01	0.12	0.36	0.035	30	71	43	1.10	10	69.55	0.26	19.4
89-2051	51.12	18.22	5.30	5.37	4.63	0.25	8.99	0.29	0.68	0.030	99	138	56	2.20	5	36.14	0.05	1.0
89-2053	44.19	16.07	10.49	7.33	1.41	0.18	9.74	0.31	0.76	0.045	28	166	59	2.50	5	38.69	0.13	0.7
TR29-4			0.80	8.30	2.50	1.30				0.109	1410	100	2	0.01	10	74.42	0.52	10.4
TR28-13-1			2.55	6.30	3.90	0.30				0.044	360	118	1	0.01	5	50.57	0.08	2.5
TR28-13-2			3.45	6.25	3.50	0.50				0.045	174	103	1	0.01	1	49.27	0.14	1.8
TR26-4			2.95	7.10	3.50	0.30				0.023	83	99	7	0.01	1	53.43	0.09	2.4
TR26-6			3.35	6.85	2.90	0.40				0.029	182	158	3	0.01	1	53.70	0.14	2.0
TR26-8			1.20	5.00	2.20	0.50				0.036	140	60	5	0.01	1	61.80	0.23	4.2
TR26-19-2			2.25	5.75	3.00	0.70				0.045	57	61	2	0.30	15	55.13	0.23	2.6
TR26-21			5.45	5.10	2.40	0.70				0.050	240	56	4	0.01	1	42.49	0.29	0.9
TR22-8			3.10	6.10	0.70	1.30				0.076	92	66	1	0.01	1	66.07	1.86	2.0
TR24-12			3.30	5.00	2.10	1.80				0.130	25	48	1	0.01	1	55.74	0.86	1.5
TR24-11-1			2.70	6.20	2.50	1.60				0.108	22	66	1	0.01	1	60.00	0.64	2.3
TR24-11-2			5.70	5.95	2.60	1.10				0.048	430	88	1	0.01	5	45.93	0.42	1.0
TR24-1-1			4.15	5.60	1.40	0.70				0.045	132	75	1	0.01	1	53.16	0.50	1.3
TR24-1-2			4.50	7.60	1.70	0.60				0.022	192	109	1	0.01	1	56.94	0.35	1.7
TR24-2-2			7.40	4.30	2.70	1.40				0.027	280	74	1	0.01	1	36.08	0.52	0.6
TR23-6			1.45	3.80	2.40	3.90				0.228	178	288	16	0.30	25	66.67	1.63	2.6
73-17143	52.17	15.72	2.96	7.97	2.06	0.01	11.21	0.26	0.64	0.020	306	95	15	2.10	5	61.38	0.00	2.7
73-17144	52.63	16.77	2.64	7.10	3.09	0.47	9.12	0.29	0.62	0.115	314	110	18	2.30	5	56.92	0.15	2.7
73-17145	49.58	16.24	3.29	4.66	2.49	1.79	7.79	0.24	0.58	0.075	110	203	6	2.00	10	52.74	0.72	1.4
6-17121	59.75	14.92	0.90	6.06	1.21	1.97	7.53	0.17	0.41	0.165	465	122	16	1.70	5	79.19	1.63	6.7
6-10-1			1.10	6.90	1.90	2.00				0.116	33	72	5	0.20	10	74.79	1.05	6.3
6-11-1			2.10	7.60	2.20	1.40				0.109	240	90	2	0.20	5	67.67	0.64	3.6
6-17123	51.19	15.63	2.62	7.80	2.26	0.01	12.03	0.30	0.61	0.030	776	113	15	2.00	5	61.54	0.00	3.0
6-12-2			6.20	7.30	0.20	0.10				0.012	660	100	2	0.20	5	53.62	0.50	1.2
6-15-1			5.50	7.30	2.30	0.30				0.018	410	94	2	0.20	10	49.35	0.13	1.3
6-17124	51.83	17.07	3.46	6.26	3.08	0.17	9.42	0.22	0.66	0.025	129	70	20	1.70	5	49.58	0.06	1.8
6-17125	50.55	17.11	4.00	6.25	4.18	0.01	9.32	0.34	0.65	0.060	109	117	6	1.80	5	43.35	0.00	1.6
6-25			4.00	6.50	2.70	0.40				0.097	240	108	2	0.20	10	50.74	0.15	1.6
3-33	52.35	17.84	4.57	4.29	3.03	1.51	9.08	0.10	1.00	0.049	71	58	16	1.20	5	43.28	0.50	0.9
3-45			9.40	4.30	1.70	0.10					241	87	3	0.20	5	28.39	0.06	0.5
72-17161	51.88	13.81	2.24	8.37	1.22	2.38	11.88	0.26	0.58	0.065	704	89	32	1.20	5	75.65	1.95	3.7
72-1	46.80	13.62	8.37	6.42	0.75	0.20	11.57	0.27	1.15	0.010	95	63	13	0.80	5	42.06	0.27	0.8
72-17162	56.28	15.08	2.18	4.47	3.77	2.28	8.87	0.12	0.48	0.050	132	51	22	0.80	5	53.15	0.60	2.1
72-17163	49.46	16.72	4.89	5.83	3.35	2.18	9.85	0.19	0.67	0.080	136	67	14	0.90	5	49.29	0.65	1.2
72-3	54.73	15.80	3.08	4.79	2.94	2.41	7.95	0.20	0.54	0.070	514	389	83	2.40	25	54.46	0.82	1.6
72-13694	46.66	13.92	9.10	4.42	1.99	2.83	9.06	0.17	1.15	0.045	128	138	31	1.80	20	39.53	1.42	0.5
72-6	55.03	16.61	6.12	2.92	2.78	2.03	6.77	0.15	0.71	0.050	38	63	25	1.50	5	35.74	0.73	0.5
71-17159	54.37	14.24	3.13	7.08	2.38	2.20	10.63	0.30	0.59	0.015	218	89	28	1.20	5	62.75	0.92	2.3
71-1	55.85	13.05	1.32	5.76	2.79	0.42	10.36	0.17	0.51	0.024	10	54	12	0.30	5	60.06	0.15	4.4
71-2	49.54	15.11	5.27	7.36	1.94	0.42	10.17	0.44	0.61	0.022	346	113	10	0.30	5	51.90	0.22	1.4
71-3	52.40	17.35	2.21	5.01	3.01	2.25	8.67	0.33	0.61	0.177	180	239	24	0.50	10	58.17	0.75	2.3
71-7	47.43	15.03	10.54	4.07	4.19	0.29	7.50	0.22	0.70	0.022	46	61	15	0.50	5	22.84	0.07	0.4
269-17183	42.67	15.75	10.94	9.60	0.38	1.30	11.50	0.24	1.47	0.005	184	92	56	3.40	5	49.05	3.42	0.9
269-17185	59.82	15.06	0.57	7.09	2.01	2.35	6.17	0.17	0.42	0.085	31	114	61	1.00	10	78.54	1.17	12.4
269-17186	51.54	16.68	1.17	8.45	1.45	2.49	9.94	0.25	0.61	0.125	186	130	55	1.10	5	80.68	1.72	7.2
269-17187	53.10	17.06	2.61	6.81	3.70	1.57	8.61	0.23	0.62	0.020	126	123	53	1.20	5	57.05	0.42	2.6
269-17188	54.20	16.82	2.29	6.34	3.72	1.74	8.36	0.17	0.60	0.040	69	75	52	1.70	10	57.35	0.47	2.8
270-17194	52.82	16.13	1.64	7.55	3.83	1.83	8.75	0.23	0.63	0.030	147	187	69	1.50	5	63.16	0.48	4.6
270-17195	53.88	15.65	2.74	7.39	3.10	1.69	8.73	0.19	0.54	0.010	114	81	65	1.70	5	60.86	0.55	2.7
267-17374	59.91	16.25	2.72	4.52	4.17	1.09	6.00	0.10	0.51	0.080	121	54	41	1.60	10	44.88	0.26	1.7
267-17375	52.28	17.05	5.10	6.00	2.51	1.02	9.20	0.20	0.63	0.040	290	69	48	1.80	5	47.98	0.41	1.2
267-17176	51.83	17.33	5.66	5.80	3.07	0.40	9.68	0.25	0.73	0.015	35	137	80	2.20	5	41.53	0.13	1.0
267-17177	53.92	17.72	3.96	5.16	4.09	0.54	8.77	0.19	0.67	0.035	17	89	51	1.90	15	41.45	0.13	1.3
267-17178	51.58	16.50	4.24	5.78	3.44	0.35	11.82	0.22	0.62	0.015	68	83	48	1.20	10	44.39	0.10	1.4

EAST GRID ALTERATION STUDY

EAST GRID FELSICS

SAMPLE NUMBER	ELEMENTS																K2O	HgO
	SiO2%	Al2O3%	CaO%	MgO%	Na2O%	K2O%	FeO%	MnO%	TiO2%	BaT%	Cu ppm	Zn ppm	Pb ppm	Ag ppm	Au ppm	A.I. ppb	Na2O	CaO
89-1076	67.51	15.10	0.01	2.87	0.19	3.44	5.07	0.07	0.32	0.160	46	52	35	0.90	5	96.93	18.11	287.0
89-1077	68.08	14.39	0.04	4.74	0.74	2.55	3.91	0.11	0.41	0.095	9	73	45	1.40	5	90.33	3.45	118.5
89-1078	76.34	12.12	0.01	1.25	0.13	3.29	3.16	0.02	0.14	0.185	16	20	19	0.50	5	97.01	25.31	125.0
89-1082	75.97	12.97	0.57	0.35	6.03	0.45	1.63	0.02	0.28	0.040	8	12	8	0.30	5	10.81	0.07	0.6
89-1083	66.21	16.53	2.90	2.44	1.92	1.97	4.13	0.08	0.35	0.060	6	48	21	0.80	5	47.78	1.03	0.8
89-2028	76.14	11.77	0.01	1.82	3.20	1.51	2.17	0.03	0.25	0.080	13	75	49	0.50	10	50.92	0.47	182.0
89-2030	79.32	10.10	0.01	0.65	0.15	3.33	3.06	0.01	0.20	0.195	33	16	17	0.70	25	96.14	22.20	65.0
89-2031	81.13	8.60	0.01	0.61	0.97	2.35	2.85	0.01	0.20	0.120	10	10	15	0.20	15	75.13	2.42	61.0
89-2035	67.00	17.78	0.01	2.02	2.09	4.38	1.87	0.01	0.35	0.285	11	55	21	0.50	5	75.29	2.10	202.0
89-2036	73.14	12.63	0.01	0.72	1.55	3.30	4.46	0.01	0.24	0.330	24	124	122	0.80	60	72.04	2.13	72.0
89-2038	67.02	13.43	0.01	4.51	1.67	1.83	5.80	0.10	0.31	0.105	48	81	41	0.70	5	79.05	1.10	451.0
89-2039	70.59	14.96	0.32	2.70	2.96	2.25	2.39	0.04	0.30	0.095	7	36	24	0.60	5	60.15	0.76	8.4
89-2040	72.92	14.32	0.52	2.71	3.64	2.09	0.85	0.03	0.22	0.155	4	23	23	0.40	5	53.57	0.57	5.2
89-2041	68.91	15.02	0.01	3.50	2.26	2.79	3.16	0.05	0.29	0.115	6	46	31	0.50	5	73.48	1.23	350.0
89-2045	65.56	0.89	0.03	0.38	0.01	0.01	19.00	0.01	0.02	0.005	75	30	8	0.10	5	90.70	1.00	12.7
89-2049	70.44	14.71	0.18	1.19	5.17	1.29	3.33	0.05	0.29	0.105	76	34	19	0.20	5	31.67	0.25	6.6
89-2050	72.43	13.37	1.02	1.32	5.27	0.62	3.12	0.12	0.27	0.035	19	51	25	0.80	5	23.57	0.12	1.3
89-2052	69.63	13.53	3.36	1.97	1.94	2.92	2.98	0.06	0.27	0.090	24	49	19	0.70	5	47.99	1.51	0.6
89-2054	71.46	14.48	0.40	1.47	5.22	1.17	2.64	0.06	0.30	0.065	11	56	25	0.40	5	31.96	0.22	3.7
6686-98	65.63	14.28	0.40	4.04	1.16	2.66	7.28	0.08	0.39	0.165	26	33	2	0.01	3	81.11	2.29	10.1
6686-75	68.52	13.79	1.33	3.85	3.20	0.93	4.57	0.13	0.33	0.179	14	39	3	0.01	3	51.34	0.29	2.9
6686-110	68.86	15.25	0.12	3.02	0.94	3.21	5.04	0.04	0.29	0.165	14	32	1	0.01	10	85.46	3.41	25.2
6686-108	73.03	13.24	0.10	1.82	0.37	3.14	5.55	0.04	0.24	0.192	12	1	4	0.01	70	91.34	8.49	18.2
6686-58	67.02	15.60	0.31	3.37	2.08	2.48	5.75	0.15	0.41	0.126	10	106	7	0.01	5	71.00	1.19	10.9
6686-68	72.32	14.69	0.98	2.69	2.70	1.97	1.33	0.03	0.19	0.151	7	10	4	0.01	3	55.88	0.73	2.7
6686-60	76.51	12.61	0.82	2.63	1.58	1.83	2.26	0.04	0.21	0.094	54	8	1	0.01	20	65.01	1.16	3.2
6686-61	68.21	14.12	0.24	4.75	0.31	2.69	6.65	0.08	0.21	0.208	2511	127	5	0.01	35	93.12	8.68	19.8
6686-62	69.52	15.63	0.25	4.03	0.48	2.98	4.16	0.10	0.19	0.222	27	64	1	0.01	5	90.57	6.21	16.1
6686-64	66.87	15.56	0.29	6.21	1.47	2.33	4.10	0.08	0.25	0.123	9	38	2	0.01	10	82.91	1.59	21.4
6686-88	71.70	15.79	1.85	0.69	1.94	3.27	2.10	0.04	0.19	0.089	15	27	7	0.01	10	51.10	1.69	0.4
6686-90	63.87	18.25	3.81	1.43	0.94	4.12	4.55	0.11	0.48	0.103	15	57	2	0.01	5	53.88	4.38	0.4
6686-104	69.88	16.98	0.97	1.59	1.52	3.63	2.40	0.05	0.22	0.144	13	14	3	0.01	3	67.70	2.39	1.6
6686-102	72.45	14.70	0.09	1.12	0.07	3.53	4.98	0.02	0.13	0.184	506	14	7	0.01	25	96.67	50.43	12.4
JK86-74	71.26	15.19	0.21	2.14	4.32	1.75	4.05	0.08	0.25	0.087	5	56	5	0.01	1	46.20	0.41	10.2
JK86-75	75.68	13.63	0.20	0.84	4.61	1.61	1.81	0.04	0.21	0.095	4	17	5	0.01	5	33.75	0.35	4.2
JK86-77	69.82	16.12	0.92	1.76	4.75	2.06	3.40	0.08	0.25	0.089	3	40	8	0.01	1	40.25	0.43	1.9
JK86-82	69.94	15.07	0.35	4.36	2.92	1.80	4.10	0.16	0.24	0.090	7	87	5	0.01	10	65.32	0.62	12.5
JK86-83	63.47	14.15	0.84	5.38	4.49	0.49	6.94	0.21	0.40	0.030	28	79	7	0.01	1	52.41	0.11	6.4
JK86-86	70.71	15.46	0.13	4.00	2.98	1.88	3.73	0.10	0.23	0.085	3	51	4	0.01	1	65.41	0.63	30.8
TR29-5-5			1.20	7.60	3.00	0.60					149	81	1	0.01	1	66.13	0.20	6.3
TR28-14-2			1.40	4.75	1.40	2.10			0.224		28000	250	2	3.80	9	70.98	1.50	3.4
TR25-8			1.55	0.65	2.80	2.70			0.084		3	32	3	0.01	1	43.51	0.96	0.4
TR25-13-1			0.35	2.35	0.50	4.80			0.230		54	880	24	0.60	80	89.38	9.60	6.7
TR25-13-2			0.20	1.00	1.90	3.20			0.113		14	186	5	0.01	1	66.67	1.68	5.0
TR20-1			0.20	5.40	0.40	4.00			0.131		94	320	9	0.01	30	94.00	10.00	27.0
TR20-3-2			0.30	3.45	0.90	4.60			0.209		132	224	6	0.30	50	87.03	5.11	11.5
TR20-4			1.00	1.85	1.30	5.30			0.202		280	530	4	0.60	50	75.66	4.08	1.9
TR20-6			0.20	0.60	1.30	2.00			0.078		23	19	3	0.01	1	63.41	1.54	3.0
TR20-8			0.20	1.90	0.50	4.40			0.193		107	64	20	0.30	30	90.00	8.80	9.5
TR20-11			0.14	4.35	0.80	6.00			0.297		81	216	8	0.80	120	91.67	7.50	31.1
TR20-14-2			0.30	0.75	2.90	3.20			0.121		45	63	13	0.20	1	55.24	1.10	2.5
TR20-15-1			0.30	1.00	2.70	3.10			0.118		18	56	10	0.01	1	57.75	1.15	3.3
TR20-16-1			0.30	0.75	2.60	3.10			0.111		6	23	4	0.01	1	57.04	1.19	2.5
TR20-17-1			0.30	1.30	0.70	5.20			0.251		58	106	230	2.80	210	86.67	7.43	4.3
TR20-19			0.70	3.75	1.00	4.50			0.413		620	800	107	2.20	195	82.91	4.50	5.4
TR20-20			0.40	1.80	1.10	4.50			0.543		940	3100	360	8.60	365	80.77	4.09	4.5
TR20-21-2			0.40	1.20	1.80	3.30			0.353		12	184	7	0.20	25	67.16	1.83	3.0
TR20-24			0.35	1.05	2.50	3.80			0.151		14	61	3	0.01	10	62.99	1.52	3.0
TR20-28			0.60	2.10	2.20	2.40			0.140		26	62	5	0.30	5	61.64	1.09	3.5
TR19-1			0.40	1.60	2.40	2.90			0.110		23	62	9	0.01	10	61.64	1.21	4.0
TR19-3-2			0.20	0.95	1.10	5.60			0.588		36	100	190	9.00	1440	83.44	5.09	4.7
TR19-8			0.04	0.85	0.90	3.10			0.491		50	127	760	3.40	195	80.78	3.44	21.3
TR19-14			0.15	0.70	0.30	3.90			0.279		2600	2150	37	26.00	240	91.09	13.00	4.7
TR23-12			0.80	3.95	1.20	3.40			0.223		76	228	28	0.60	25	78.61	2.83	4.9
TR23-10			0.35	5.40	2.40	2.40			0.140		55	284	4	0.01	10	73.93	1.00	15.4
TR23-9-1			0.30	6.30	2.00	2.50			0.140		200	288	5	0.20	15	79.28	1.25	21.0
TR23-8-1			0.20	6.65	1.30	2.70			0.172		250	354	14	0.70	30	86.18	2.08	33.3
73-17140	65.60	14.89	0.53	3.58	2.46	2.30	4.89	0.13	0.29	0.120	170	119	16	1.60	5	66.29	0.93	6.8
73-17141	61.55	14.96	2.35	6.62	2.12	1.38	4.38	0.17	0.35	0.125	15	83	6	1.60	5	64.15	0.65	2.8
73-17142	67.33	15.32	0.22	3.50	2.75	2.29	3.74	0.08	0.27	0.110	8	36	4	1.20	5	66.10	0.83	15.9
73-13718	73.36	13.44	1.20	1.29	0.07	5.03	2.89	0.04	0.27	0.175	312	66	16	1.40	45	83.27	71.86	1.1
6-17122	65.21	16.20	0.31	4.27	2.16	2.64	4.04	0.10	0.37	0.190	24	51	8	1.20	5	73.67	1.22	13.8
6-17137	64.96	15.71	2.22	2.06	3.17	2.72	3.20	0.11	0.27	0.090	12	51	2	1.20	5	47.00	0.86	0.9
6-51			1.90	2.20	2.30	3.70			0.156		6	43	5	0.20	5	58.42	1.61	1.2