

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOILS - 80MESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 1 1987 DATE REPORT MAILED:

ASSAYER.....DEAN TOYE, CERTIFIED B.C. ASSAYER.

ABC MINES PROJECT - 1234 FILE # 87-0101

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au1	Hg
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	PPM	
PSL 3N+120E	1	13	9	12	.2	3	1	18	2.27	6	5	ND	1	12	1	12	2	32	.01	.010	2	12	.02	9	.01	2	1.13	.01	.02	1	48	100
PSL 3N+135E	1	10	9	8	.1	2	1	14	1.85	2	5	ND	1	12	1	9	2	30	.01	.008	2	7	.02	7	.01	2	1.05	.01	.02	1	3	120
PSL 3N+150E	1	7	9	9	.1	3	1	16	1.78	3	5	ND	1	12	1	5	2	33	.01	.008	2	9	.02	8	.01	2	1.05	.01	.02	1	6	110
PSL 3N+165E	1	13	8	11	.2	2	1	17	2.05	4	5	ND	1	10	1	8	2	32	.01	.008	2	9	.02	11	.01	3	1.21	.01	.02	1	4	100
PSL 3N+180E	1	11	8	13	.1	2	1	15	2.09	3	5	ND	1	9	1	5	2	30	.01	.010	2	7	.03	10	.01	2	1.03	.01	.02	1	310	110
PSL 3N+195E	1	13	13	19	.2	2	2	22	3.71	6	5	ND	2	8	1	7	2	47	.01	.010	2	11	.03	18	.01	3	1.33	.02	.03	1	2	120
PSL 3N+210E	1	17	14	34	.1	3	3	33	4.44	7	5	ND	1	10	1	11	2	50	.04	.019	2	15	.05	17	.01	6	1.47	.02	.03	1	1	170
PSL 3N+225E	1	12	14	26	.2	1	2	46	3.15	7	5	ND	1	11	1	15	2	42	.09	.020	2	11	.04	15	.01	2	1.47	.02	.03	2	1	130
PSL 3N+240E	1	13	17	34	.2	5	3	98	3.71	48	5	ND	1	12	1	115	2	44	.07	.015	4	13	.04	28	.01	2	1.62	.02	.03	2	5	140
PSL 4N+405W	1	7	23	23	.1	2	2	80	1.28	34	5	ND	1	9	1	18	3	17	.04	.010	6	4	.01	13	.01	3	.98	.01	.01	2	45	200
PSL 4N+390W	1	7	37	24	.1	4	3	162	.92	37	5	ND	1	5	1	22	2	15	.23	.022	8	6	.01	13	.01	2	.85	.01	.01	3	27	250
PSL 4N+375W	1	12	30	22	.1	2	4	72	1.39	93	5	ND	1	4	1	23	2	13	.09	.008	6	4	.01	14	.01	3	.79	.01	.02	1	14	190
PSL 4N+360W	1	7	137	35	.2	4	2	112	.78	47	5	ND	1	5	1	35	2	13	.16	.010	6	4	.01	12	.01	2	.61	.01	.01	2	1020	290
PSL 4N+345W	1	12	111	24	.4	3	2	35	.61	32	5	2	1	4	1	29	2	11	.10	.015	5	4	.01	7	.01	2	.43	.01	.01	4	1270	820
PSL 4N+330W	1	11	69	53	.1	3	2	447	.65	42	5	ND	1	10	1	28	2	11	1.36	.051	6	5	.02	16	.01	10	.36	.01	.03	3	185	450
PSL 4N+315W	1	13	133	57	.1	3	6	610	2.11	109	5	ND	1	4	1	74	2	24	.19	.019	7	4	.01	42	.01	6	.52	.01	.01	3	505	270
PSL 4N+300W	1	7	108	35	.1	5	4	340	1.81	82	5	ND	1	4	1	36	2	23	.06	.012	6	7	.01	13	.01	5	.49	.01	.01	5	780	200
PSL 4N+285W	1	9	160	85	.1	3	10	520	5.80	254	5	ND	1	3	1	101	2	63	.03	.018	7	10	.01	22	.01	8	.53	.01	.01	134	610	40
PSL 4N+270W	2	31	226	126	.3	5	12	464	8.52	432	5	3	2	4	1	329	6	105	.27	.026	11	17	.02	11	.01	8	.75	.01	.01	83	3730	130
PSL 4N+255W	1	1	40	10	.2	1	1	45	.39	15	5	ND	1	2	1	24	2	8	.03	.007	3	3	.01	3	.01	2	.20	.01	.01	3	31	160
PSL 4N+240W	1	1	37	11	.1	1	1	37	.43	18	5	ND	1	2	1	22	2	9	.09	.010	3	4	.01	4	.01	2	.27	.01	.01	5	32	190
PSL 4N+225W	1	4	151	16	.3	1	1	32	.38	24	5	ND	1	3	1	23	2	8	.07	.012	4	5	.01	6	.01	2	.37	.01	.01	2	26	250
PSL 4N+210W	1	4	30	15	.1	4	1	27	.50	23	5	ND	1	3	1	27	2	10	.10	.015	6	3	.01	7	.01	2	.60	.01	.01	3	18	240
PSL 4N+195W	1	4	32	22	.1	2	2	62	1.54	76	5	ND	1	4	1	43	2	26	.12	.013	9	7	.04	20	.01	2	.99	.01	.01	2	83	160
PSL 4N+180W	1	4	21	15	.1	2	1	30	.55	29	5	ND	1	5	1	19	2	11	.27	.010	7	3	.02	13	.01	8	.59	.01	.01	2	62	220
PSL 4N+165W	1	4	23	16	.2	2	1	22	.72	77	5	ND	1	3	1	32	2	10	.04	.010	7	4	.01	6	.01	3	.51	.01	.01	2	9	210
PSL 4N+150W	1	4	18	17	.1	6	1	31	.67	70	5	ND	1	4	1	82	3	11	.15	.015	8	10	.02	9	.01	2	.59	.01	.01	1	60	260
PSL 4N+135W	1	4	37	23	.1	7	1	36	.81	85	5	ND	1	4	1	94	2	10	.10	.010	11	14	.02	15	.01	2	.96	.01	.01	1	6	160
PSL 4N+120W	1	4	12	12	.9	4	1	78	.38	46	5	ND	1	4	1	1086	2	11	.10	.010	6	11	.01	7	.01	2	.34	.01	.01	3	19	250
PSL 4N+105W	1	7	18	27	3.0	4	3	229	1.71	164	5	ND	1	5	1	4604	2	23	.42	.021	6	8	.01	9	.01	2	.41	.01	.01	10	82	2600
PSL 4N+90W	1	7	21	13	.5	1	1	31	2.48	3093	5	ND	1	4	1	557	3	21	.10	.012	4	12	.01	15	.01	2	.39	.01	.01	4	190	7800
PSL 4N+75W	1	12	65	52	1.3	5	4	275	2.21	1469	5	ND	1	5	1	1801	2	24	.21	.027	9	9	.02	18	.01	2	.68	.01	.02	5	73	9600
PSL 4N+60W	1	12	68	60	2.3	2	4	431	3.00	1821	5	ND	1	7	1	2540	2	36	.64	.036	8	10	.02	34	.01	2	.62	.01	.02	5	580	8600
PSL 4N+45W	1	10	57	87	9.8	5	5	281	3.38	1242	5	ND	1	9	1	15761	2	36	.83	.037	9	11	.02	15	.01	2	.58	.01	.01	29	1020	7300
PSL 4N+30W	1	7	17	26	.3	1	3	172	1.77	618	5	ND	1	5	1	283	2	14	.18	.014	7	5	.01	20	.01	6	.56	.01	.02	2	10	1600
PSL 4N+15W	1	13	8	16	.1	1	2	21	3.63	11	5	ND	1	11	1	18	2	43	.01	.008	2	10	.03	9	.01	4	1.29	.02	.02	1	2	90
STD C/AU-S	19	60	38	133	7.0	66	29	1008	3.89	39	18	7	34	49	16	15	20	63	.50	.104	36	58	.93	184	.09	37	1.80	.07	.17	13	49	1400

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 NLS 5% HNO3. SAMPLE TYPE: STANDARDS

DATE RECEIVED: MAY 1986 DATE REPORT MAILED:

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GSC STANDARDS

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SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	LOI %	Sum
GSC MRG-1	39.40	8.61	17.59	13.39	14.91	.75	.20	3.75	.05	.18	.07	1.0	99.90
GSC SY-2	60.02	12.45	6.40	2.73	8.28	4.20	4.40	.13	.43	.33	.01	.5	99.88
GSC SY-3	60.22	12.27	6.60	2.70	8.57	3.85	4.15	.14	.54	.34	.01	.4	99.79
GSC UM-1	37.31	1.00	18.97	38.11	2.16	.10	.05	.07	.02	.16	.47	.3	98.72
GSC UM-2	40.35	7.61	14.52	25.67	4.72	.30	.05	.24	.02	.07	1.56	.1	95.21
GSC UM-4	39.87	9.17	14.06	23.16	6.26	.40	.10	.30	.01	.16	2.54	.4	96.43
GSC SO-1	54.05	18.26	8.65	4.03	2.53	2.45	3.05	.82	.14	.12	.03	5.5	99.63
GSC SO-2	52.72	15.80	7.95	.92	2.74	2.30	2.90	1.36	.70	.10	.01	12.2	99.70
GSC SO-3	33.69	6.05	2.15	8.01	21.11	.95	1.40	.32	.11	.07	.01	26.2	100.07
GSC SO-4	67.54	10.68	3.43	.97	1.61	1.25	1.95	.54	.20	.08	.01	11.5	99.76
GSC MRG-1	39.31	8.59	17.47	13.64	14.82	.75	.15	3.79	.05	.18	.07	1.0	99.82
GSC SY-2	60.08	12.62	6.34	2.72	8.21	4.15	4.40	.13	.43	.34	.01	.5	99.93
GSC SY-3	60.37	12.27	6.59	2.70	8.51	3.90	4.30	.12	.54	.35	.01	.4	100.06
GSC UM-1	37.86	.89	19.39	37.26	2.21	.05	.05	.06	.02	.16	.48	.3	98.73
GSC UM-2	41.06	7.83	14.78	25.27	4.82	.35	.10	.22	.01	.08	1.60	.1	96.22
GSC UM-4	39.80	9.20	14.01	23.00	6.24	.45	.15	.33	.01	.16	2.67	.4	96.42
GSC SO-1	54.21	18.24	8.56	3.93	2.49	2.55	3.10	.80	.13	.12	.03	5.5	99.66
GSC SO-2	52.87	15.77	7.90	.91	2.75	2.35	2.90	1.38	.70	.10	.01	12.2	99.84
GSC SO-3	33.96	6.08	2.21	7.91	21.00	.95	1.40	.30	.10	.07	.01	26.2	100.19
GSC SO-4	67.56	10.76	3.45	.96	1.62	1.15	2.05	.51	.21	.09	.01	11.5	99.87
STD SO-4	67.21	10.66	3.52	.97	1.67	1.30	1.95	.55	.21	.09	.01	11.5	99.64

Geochem Whole Rock plus LOI, total Ba, Y, Zr \$9.00 CDN.