



GEOCHEMICAL ANALYSIS CERTIFICATE

895254



Highbank Resources PROJECT GRANBY File # A303333

c/o Larry Sostad, 818 - 4, Vancouver BC V6C 1V5 Submitted by: Larry R.W. Sostad

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
10+00S 10+75W	1	253	9	121	.6	8	2	73	.28	13	<8	<2	<2	17	2.1	<3	<3	5	.19	.058	1	10	.07	48	.01	<3	.19	.03	.05	<2
10+00S 10+00W	13	1630	62	277	3.1	17	4	73	2.98	44	<8	<2	<2	7	8.3	7	<3	113	.06	.092	3	25	.07	46	.03	<3	.79	.03	.08	3
10+00S 10+50E	1	251	4	97	.7	5	1	20	.10	9	<8	<2	<2	19	1.7	<3	<3	2	.31	.038	<1	3	.06	18	<.01	<3	.08	.02	.03	<2
10+00S 11+00E	1	76	12	40	.4	19	6	75	2.69	4	<8	<2	<2	29	.7	<3	<3	98	.35	.039	4	93	.26	29	.27	<3	.41	.04	.05	<2
10+00S 11+25E	<1	81	<3	103	<.3	4	2	19	.17	5	<8	<2	<2	32	2.6	<3	<3	4	.33	.036	<1	5	.10	62	.01	<3	.16	.02	.03	<2
10+00S 11+50E	1	41	4	61	<.3	38	4	110	2.40	3	<8	<2	<2	4	<.5	<3	<3	89	.02	.013	2	234	.90	32	.22	<3	1.38	.02	.05	<2
10+00S 11+75E	2	2335	75	225	1.6	9	4	52	.98	19	<8	<2	<2	46	6.0	9	<3	6	.56	.061	1	7	.13	123	<.01	<3	.20	.04	.06	<2
10+00S 12+00E	2	48	5	54	<.3	26	3	101	1.43	4	<8	<2	<2	9	<.5	<3	<3	46	.06	.030	3	170	.86	169	.11	<3	1.06	.03	.36	2
10+50S 10+00E	10	76	4	140	.5	5	1	20	2.11	30	<8	<2	3	7	3.3	<3	<3	97	.06	.031	9	18	.08	44	.09	<3	.27	.01	.05	<2
10+50S 10+25E	2	49	12	40	.3	29	4	110	1.49	4	<8	<2	<2	8	<.5	<3	<3	51	.05	.031	3	173	.89	188	.12	4	1.09	.05	.39	2
10+50S 10+50E	2	35	6	37	<.3	27	3	100	1.35	4	<8	<2	<2	9	<.5	<3	<3	46	.06	.032	3	166	.83	172	.11	3	1.03	.03	.36	2
10+50S 10+75E	2	35	8	40	<.3	24	3	95	1.23	5	<8	<2	<2	7	<.5	<3	<3	42	.04	.028	2	149	.75	164	.10	3	.94	.03	.33	<2
10+50S 11+00E	2	31	12	44	<.3	30	4	113	1.78	3	<8	<2	<2	9	<.5	<3	<3	58	.06	.027	2	192	1.07	219	.15	<3	1.28	.04	.52	<2
RE 10+50S 11+00E	1	29	9	40	<.3	28	4	104	1.64	2	<8	<2	<2	8	<.5	<3	4	54	.06	.025	3	177	.98	198	.14	<3	1.17	.04	.44	<2
10+50S 11+25E	1	38	15	43	<.3	24	3	86	1.22	4	<8	<2	<2	10	<.5	<3	<3	41	.07	.026	3	144	.76	164	.09	3	.94	.03	.33	<2
10+50S 11+50E	2	33	7	52	<.3	36	4	109	2.15	4	<8	<2	<2	4	<.5	<3	<3	77	.03	.017	3	212	.89	76	.19	<3	1.26	.02	.15	<2
10+50S 11+75E	2	207	20	58	<.3	24	4	95	1.57	7	<8	<2	<2	7	<.5	<3	3	43	.05	.027	3	151	.79	163	.10	<3	.98	.03	.34	2
10+50S 12+00E	2	30	6	33	<.3	28	3	95	1.35	2	<8	<2	<2	7	<.5	<3	<3	46	.04	.026	2	160	.84	183	.11	<3	1.03	.03	.37	2
11+00S 10+00E	9	482	18	188	1.0	6	2	40	2.58	32	<8	<2	<2	8	5.1	<3	3	96	.07	.043	6	24	.10	49	.07	<3	.39	.02	.06	<2
11+00S 10+25E	4	234	10	129	.8	36	7	303	1.84	5	<8	<2	<2	22	1.4	<3	<3	53	.27	.069	4	84	.65	109	.10	<3	1.15	.04	.25	<2
11+00S 10+50E	1	40	4	40	<.3	29	3	82	1.64	4	<8	<2	<2	6	<.5	<3	3	58	.04	.027	2	168	.69	96	.14	<3	1.00	.03	.19	2
11+00S 10+75E	2	67	5	50	<.3	17	2	57	.83	4	<8	<2	<2	9	.8	<3	3	28	.07	.031	2	92	.45	112	.06	<3	.64	.02	.21	<2
11+00S 11+00E	2	35	9	39	.4	30	4	97	1.63	3	<8	<2	2	10	<.5	<3	4	56	.07	.031	3	169	.80	170	.13	<3	1.01	.04	.34	<2
11+00S 11+25E	2	77	11	95	<.3	20	3	69	.87	5	<8	<2	<2	21	1.3	<3	<3	27	.22	.039	2	102	.48	125	.06	<3	.65	.03	.20	<2
11+00S 11+50E	1	35	7	49	<.3	35	4	103	2.03	3	<8	<2	<2	4	<.5	<3	5	75	.03	.017	2	203	.84	66	.18	<3	1.21	.02	.12	<2
11+00S 11+75E	3	2068	98	163	1.2	22	5	83	1.72	12	<8	<2	<2	29	3.5	6	5	26	.30	.058	2	89	.46	148	.04	<3	.63	.04	.19	<2
11+00S 12+00E	3	61	9	36	<.3	32	3	98	1.44	4	<8	<2	<2	9	<.5	<3	<3	49	.05	.044	2	176	.83	174	.10	<3	1.04	.04	.36	<2
STANDARD DS5	12	145	24	139	.3	25	12	782	2.99	18	<8	<2	3	49	5.7	4	6	62	.74	.099	12	192	.69	143	.10	16	2.13	.04	.15	3

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2003

DATE REPORT MAILED: Aug 27/03

SIGNED BY: C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Highbank Resources PROJECT GRANBY File # A303335

c/o Larry Sostad, 818 - 4, Vancouver BC V6C 1V5 Submitted by: Larry R.W. Sostad

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	Hg	Sc	Tl	S	Ga	Se	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm
SI	<.1	.9	.5	3	<.1	2.1	.2	5	.04	<.5	<.1	.5	<.1	3	<.1	.1	<.1	<.1	.11	<.001	<.1	<.1	.02	3	<.001	<.1	.01	.518	<.01	<.1	<.01	<.1	<.1	<.05	<.1	<.5	-
LS-10	4.3	7.5	1.9	5	.1	1.4	.2	29	.93	10.0	.4	.6	3.3	1	<.1	.1	2.0	<.01	.001	2	14.6	<.01	1	.001	<.1	.05	.007	.04	.5	<.01	<.1	<.1	<.05	1	.8	2000	
LS-11	7.8	4.5	5.0	2	.3	.4	.1	25	.65	14.5	.6	138.7	2.3	1	<.1	.2	59.1	<.01	.002	1	3.2	<.01	3	<.001	2	.04	.021	.03	.2	.01	<.1	<.1	<.05	<.1	1.8	700	
LS-12	.9	144.5	4.4	10	.3	275.1	92.0	28	6.87	14.3	<.1	4.6	.1	3	.3	.1	1.3	1	.08	.002	<.1	27.0	.02	1	.004	1	.04	.007	.01	.1	<.01	.2	<.1	3.85	<.1	17.9	1700
LS-13	6.5	93.3	1.7	24	.2	63.3	14.8	101	1.61	<.5	.1	2.0	.4	14	.1	<.1	1.1	11	.40	.041	1	42.3	.18	27	.049	<.1	.21	.035	.08	.4	.01	.7	.1	.70	1	2.6	4100
LS-14	.7	23.5	4.4	29	.1	18.0	2.7	34	.73	4.3	.1	1.1	.3	3	.9	.2	.5	14	.07	.030	2	16.5	.17	20	.008	<.1	.21	.014	.04	.2	<.01	1.5	<.1	.11	1	.9	1400
LS-15	1.0	5.0	1.2	9	.2	1.0	.2	13	.41	.5	.1	261.5	<.1	1	.2	.1	83.5	1	<.01	.001	<.1	3.4	.01	2	.002	1	.02	.007	.01	.1	<.01	.1	<.1	.09	<.1	.9	800
LS-16	1.5	8.8	2.0	3	.3	3.2	.5	45	.86	3.0	1.0	97.9	2.2	2	<.1	.1	14.8	3	.05	.025	1	12.4	.02	6	.004	1	.10	.012	.07	.2	<.01	.5	<.1	.13	1	1.3	700
LS-17	.5	4.6	.8	34	<.1	.5	.2	19	.45	.8	<.1	1.0	<.1	1	.6	.1	.7	2	.01	.002	<.1	2.1	.03	3	.001	<.1	.05	.005	.02	.1	<.01	.3	<.1	.13	<.1	1.5	900
LS-18	9.5	4.0	5.5	6	<.1	.8	.2	395	.44	1.8	5.3	8.3	17.0	1	.1	<.1	3.4	3	.03	.003	4	5.0	.01	3	<.001	<.1	.21	.067	.13	.9	<.01	.5	.1	<.05	1	<.5	1800
LS-19	1.6	1.6	.7	1	.1	.3	.1	7	.42	2.0	.3	214.7	.9	<.1	<.1	.1	25.2	2	<.01	.002	<.1	2.5	<.01	2	<.001	<.1	.02	.006	.01	.3	<.01	.1	<.1	<.05	<.1	.7	800
LS-20	9.5	9.6	9.0	11	.1	1.0	.3	135	.64	1.7	10.6	5.4	15.3	1	<.1	<.1	1.0	2	.04	.002	3	6.2	.01	2	.007	<.1	.17	.041	.09	.2	<.01	.4	.1	.19	1	.5	1000
RE LS-20	11.0	10.3	9.0	11	.1	1.0	.3	136	.63	1.8	9.6	4.0	17.1	2	<.1	<.1	1.1	2	.04	.003	4	7.4	.01	2	.003	<.1	.17	.047	.11	.2	<.01	.5	.1	.20	1	<.5	-
LS-21/LS-22	9.8	3.9	4.3	3	.1	.6	.1	198	.31	2.5	4.0	7.1	12.0	1	<.1	<.1	5.6	2	.01	.003	4	3.0	<.01	3	.002	<.1	.15	.041	.11	3.3	.01	.4	.1	<.05	1	<.5	1000
LS-23	1.8	5.1	9.1	18	.1	.4	.2	137	.50	1.1	13.1	2.9	16.6	2	<.1	<.1	1.2	2	.04	.002	4	3.0	.01	2	.002	1	.15	.038	.10	.3	<.01	.5	<.1	.11	2	.5	1300
LS-24	26.7	8.0	3.0	2	.1	.4	.3	67	.77	3.3	10.4	1.5	11.8	1	<.1	<.1	2.1	2	.01	.002	2	4.4	.01	4	.002	<.1	.20	.022	.11	1.9	<.01	.5	.1	.18	2	.8	800
STANDARD DS5	12.8	142.0	23.3	131	.3	24.8	12.5	775	2.93	18.0	5.8	41.1	2.6	49	5.2	3.6	6.0	59	.73	.081	13	189.1	.67	133	.100	17	2.10	.035	.14	4.8	.16	3.4	1.1	<.05	7	5.2	-

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2003

DATE REPORT MAILED: *Sept 2/03*

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Highbank Resources PROJECT GRANBY File # A303334

c/o Larry Sostad, 818 - 4, Vancouver BC V6C 1V5 Submitted by: Larry R.W. Sostad

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
10 OI 01-01	3	45	6	181	<.3	54	14	747	3.45	579	<8	<2	2	37	.9	<3	<3	103	.42	.067	7	150	1.34	191	.23	<3	2.25	.11	.44	<2
11 OI 02-01	3	49	11	114	<.3	39	12	620	2.79	35	<8	<2	4	32	.5	<3	<3	63	.33	.078	8	68	1.02	84	.10	5	1.67	.09	.19	<2
12 OI 02-02	7	86	12	132	<.3	39	29	1343	3.29	43	<8	<2	2	31	.8	<3	<3	83	.36	.070	8	96	1.04	114	.15	<3	1.98	.09	.25	<2
1 GBS 01-01	5	55	5	146	<.3	43	11	670	3.87	6743	<8	<2	2	61	.8	<3	<3	85	.50	.086	7	111	1.16	125	.16	<3	1.85	.05	.30	<2
2 GBS 01-02	19	186	15	125	.4	27	56	2359	4.30	95	<8	<2	<2	23	1.0	<3	<3	88	.30	.059	9	83	.74	108	.15	<3	2.18	.09	.18	<2
3 GBS 01-03	8	95	11	161	<.3	41	11	561	3.09	26	<8	<2	<2	35	<.5	<3	<3	92	.43	.054	6	122	1.12	142	.20	<3	2.15	.04	.33	<2
4 GBS 02-01	3	48	5	169	<.3	47	13	643	3.21	12	<8	<2	3	38	.5	<3	<3	95	.36	.071	7	133	1.27	148	.22	<3	2.20	.09	.40	<2
5 GBS 02-02	3	45	7	176	<.3	48	13	677	3.22	10	<8	<2	3	35	.7	<3	<3	100	.42	.066	8	143	1.26	180	.23	<3	2.22	.08	.40	<2
6 GBS 02-03	3	23	3	161	<.3	49	9	493	3.18	22	<8	<2	4	35	<.5	<3	<3	104	.40	.076	7	124	1.36	179	.22	<3	2.01	.06	.44	<2
RE GBS 02-03	2	23	4	159	<.3	49	9	482	3.11	21	<8	<2	3	34	<.5	<3	<3	102	.40	.075	7	124	1.34	179	.22	<3	1.98	.06	.44	<2
7 GBS 03-01	3	47	11	119	<.3	38	11	545	2.72	10	<8	<2	2	31	<.5	<3	<3	62	.33	.079	8	67	1.00	72	.10	5	1.64	.11	.19	<2
8 GBS 03-02	2	41	9	123	<.3	40	11	557	2.62	11	<8	<2	3	28	.5	<3	<3	62	.31	.074	9	69	.93	74	.11	3	1.58	.09	.18	<2
9 GBS 03-03	2	43	7	120	<.3	37	10	551	2.60	11	<8	<2	2	26	.5	<3	<3	63	.29	.068	9	73	.95	77	.12	3	1.66	.07	.18	<2
STANDARD DS5	12	146	23	136	.3	24	12	792	2.98	19	<8	<2	3	50	5.6	4	6	60	.74	.097	12	191	.68	144	.10	17	2.12	.04	.15	4

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2003

DATE REPORT MAILED: *Aug 28/03*

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS