Strathcona Mineral Services Limited

REGIONAL RESOURCES LTD./
G.W.R. RESOURCES INC.
LAC LA HACHE PROJECT
REPORT OF 1993 FIELD WORK
RILEY CLAIM GROUP
NEMRUD GRID

Longitude 121°14' W, Latitude 51°59' N
Clinton and Cariboo Mining Divisions, B.C.

NTS 92 P/14 E

Claim owners:
Regional Resources Ltd.
12th floor, 20 Toronto St., Toronto, Ontario, M5C 2B8
Daniel Morris Gagne
Box 1143, Chase, British Columbia, V0E 1M0

Operator:
Regional Resources Ltd.

by
Reinhard von Guttenberg

Toronto, Canada
August 1994

Strathcona Mineral Services Limited

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1. SUMMARY

In the summer of 1993, an occurrence of skarn-hosted bornite ("Nemrud") was discovered in the northwest corner of NTS sheet 92 P/14 E by Sandor Surmacz, a prospector employed by the Lac La Hache Joint Venture. The Nemrud bornite skarn is located in the Clinton Mining Division, 25 kilometre northeast of Lac La Hache, British Columbia (Figure 1). After staking of the area surrounding the Nemrud zone, an exploration program consisting of 44.7 kilometres of line cutting, of prospecting, geological mapping, soil, silt, rock sampling, of 46.8 kilometres of induced polarization surveys, and 42.0 kilometres of magnetometer surveys was performed on the Riley 1- 3, Jesse 1- 6, Luke, TT3, SS2 and SS4 claims. Prospecting and rock sampling was extended to the adjacent Mike, SS, and SS3 claims (Figure 2).

Scattered bornite mineralization in outcrop of garnet-diopside ± epidote skarn at Nemrud extends over a length of about 600 meters. The main bornite occurrences are in close proximity to marble lenses, which seem to be the remnants of a formerly continuous limestone horizon. The width of the main mineralized horizon is variable, bornite patches can be spread over up to 20 metres across strike. Minor amounts of bornite do occur in the skarn outside of this horizon. The skarn is calcic and precious metal enriched (PME), and carries, based on grab sample assays, about 0.3 g/t gold and 18 g/t silver for each percent of copper.

It is recommended to drill 1500 meter in 16 holes at Nemrud in 1994.

2. INTRODUCTION

Under an option agreement with G.W.R. Resources Inc. of Langley, British Columbia, Regional Resources Ltd. of Toronto, Ontario, is exploring a large block of claims, located northeast of Lac La Hache in South-Central British Columbia (Figure 1), for porphyry and skarn-related copper and copper-gold deposits.

Work in 1993 was performed by Strathcona Mineral Services Limited of Toronto, Ontario, on behalf of Regional Resources Ltd., and G.W.R Resources Inc., and included geological mapping, overburden and rock sampling, and induced polarization and magnetometer surveys in three main areas, i.e. Nemrud, Murphy, and Ann 1, as well as geological and geochemical reconnaissance surveys over wide parts of the property. This report presents the results of line cutting, induced polarization and magnetometer surveying, prospecting, geological mapping, and rock and overburden sampling on the Nemrud Grid.

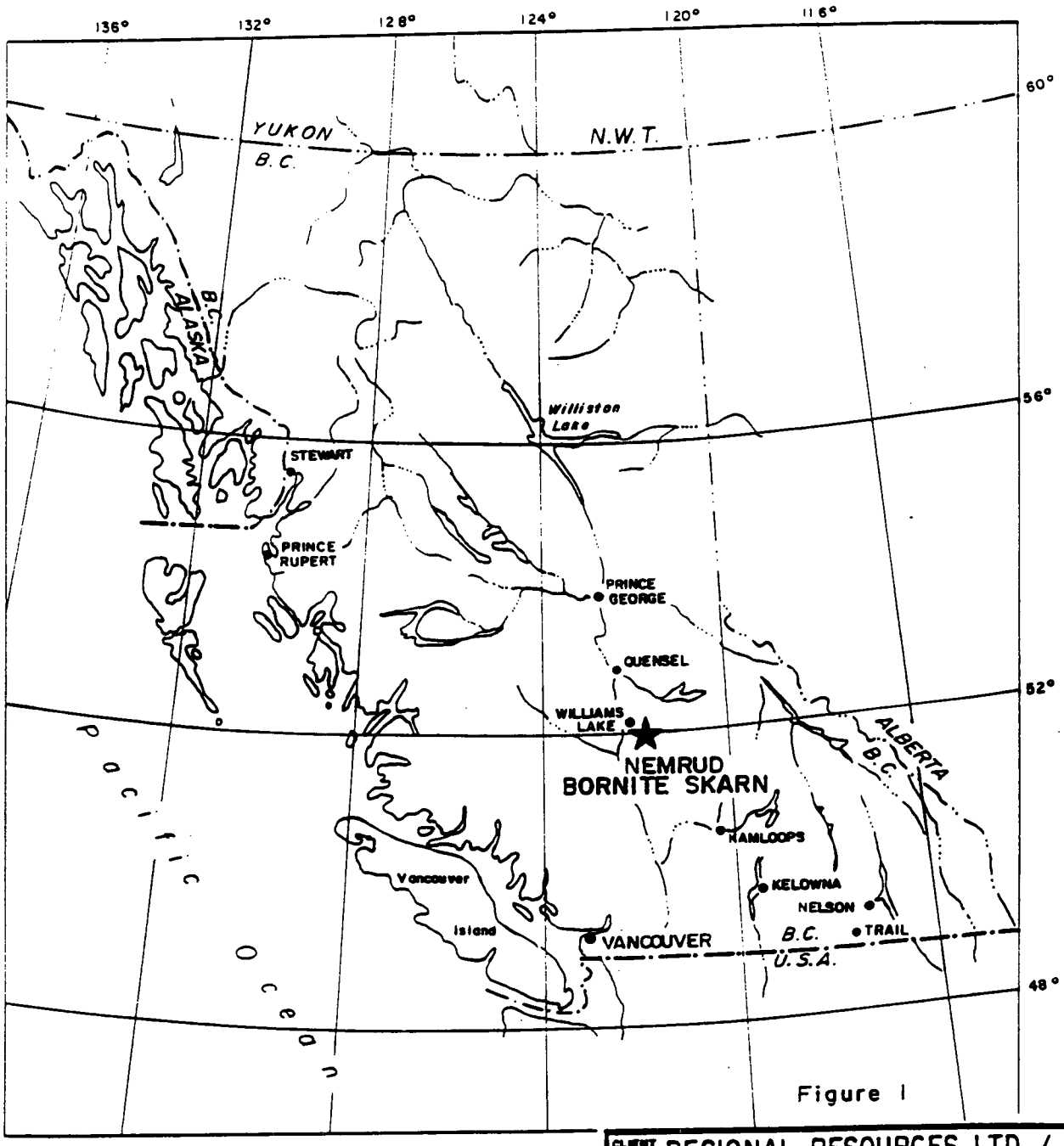


Figure 1

CLIENT	REGIONAL RESOURCES LTD. / GWR RESOURCES INC.
PROJECT	LAC LA HACHE PROJECT CLINTON MINING DIVISION, BRITISH COLUMBIA
TITLE	GENERAL LOCATION MAP NEMRUD BORNITE SKARN
SCALE	1 : 10 000 000
DATE	1994-01-18
DESIGNED	RvG
DRAWN	E. S.
APPROVAL	
	STRATHCONA MINERAL SERVICES LIMITED TORONTO, ONTARIO, CANADA
PROJECT No.	1,8,0,2,-,4
DRAWING No.	
REVISION	0

3. LOCATION AND ACCESS

The Riley 1 claim, which hosts the Nemrud bornite skarn, is situated 25 kilometres northeast of Lac La Hache, south-central British Columbia, and is centred at Longitude 121°14'W and Latitude 51°59'N (Figure 2). The claim is accessible from 100 Mile House via Forest Grove by 23 kilometres of asphalt and 28 kilometres of gravel road (Bradley Creek Road).

4. PHYSIOGRAPHY AND CLIMATE

The central plateau in the Lac la Hache region is characterized by gentle, rolling hills with elevations ranging from 850 m to 1500 m. About 40% of the evergreen forests in the area have been clear cut. Numerous lakes, ponds and streams provide water year-round. The climate is cold temperate with an annual precipitation of 500 to 1000 millimetres. Snow cover on the ground averages one to two metres, with snow arriving in November and departing by mid-April

5. PROPERTY STATUS

The Nemrud bornite skarn is situated on the Riley 1 claim in the Clinton Mining Division of south-central British Columbia. The Riley 1, 2, 3 claims, the Jesse 1, 2, 3, 4, 5, 6 claims and the SS2 and SS4 claims are owned by Regional Resources Ltd. of Toronto, Ontario, the TT1 and TT2 claims are owned by Daniel Morris Gagne of Chase, British Columbia. These claims form the Riley Claim Group and are part of a larger block of claims, the "Lac La Hache Project", which is under option to Regional Resources Ltd. from G.W.R. Resources Inc., of Langley British Columbia.

Claim	Record Number	Number of Units	Expiry Date
Jesse 1	321768	1	Oct. 06, 1999
Jesse 2	321763	1	Oct. 06, 1999
Jesse 3	321764	1	Oct. 24, 1999
Jesse 4	321765	1	Oct. 24, 1999
Jesse 5	321766	1	Oct. 24, 1999
Jesse 6	321767	1	Oct. 24, 1999
Riley 1	320903	20	Aug. 30, 1999
Riley 2	321046	1	Sep. 21, 1999
Riley 3	321047	1	Sep. 21, 1999
SS2	320905	15	Sep. 05, 1999
SS4	321049	10	Sep. 20, 1999
TT1	302141	20	June 19, 1996
TT2	302142	20	June 18, 1996

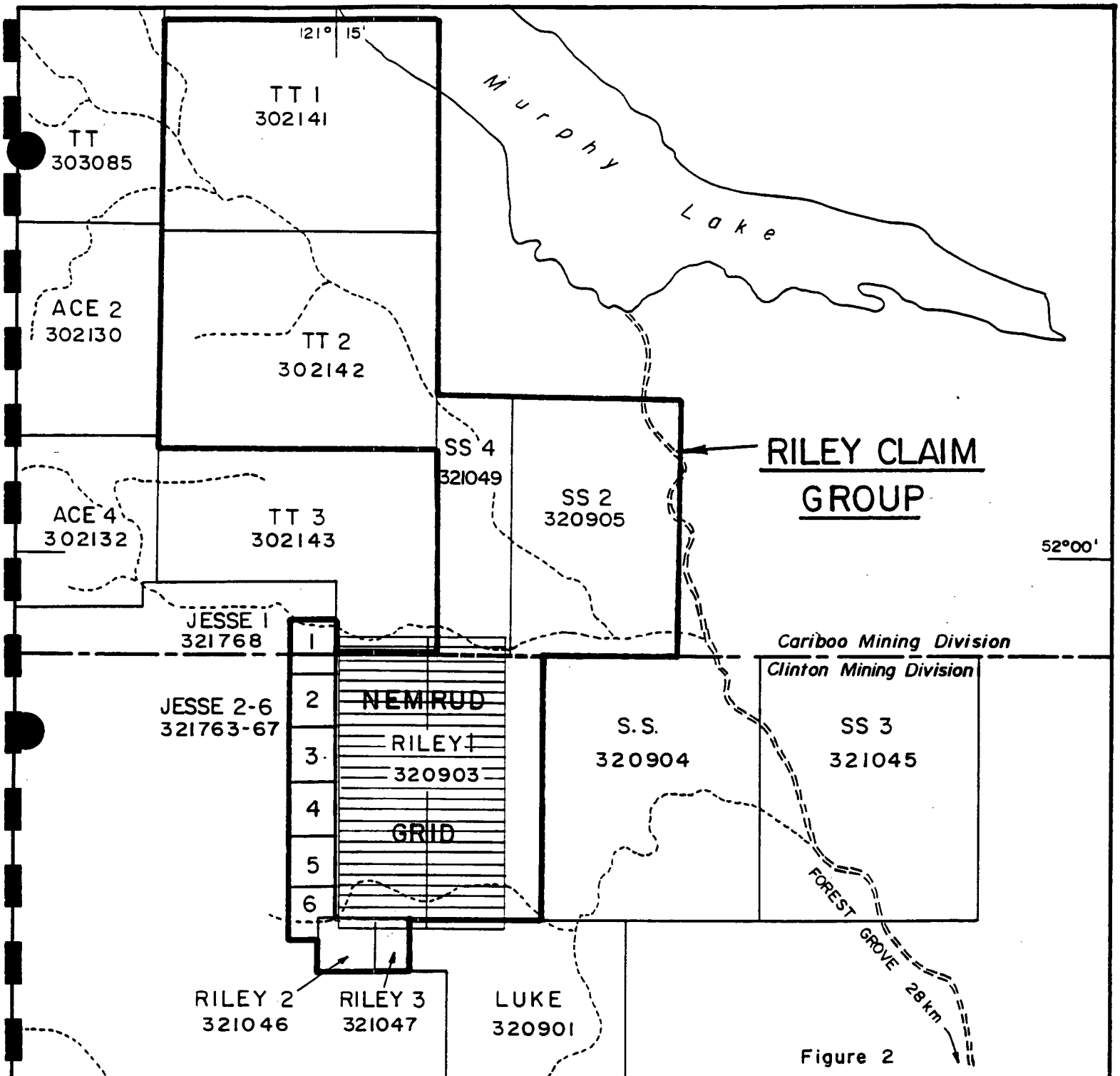


Figure 2

CLIENT	REGIONAL RESOURCES LTD. / GWR RESOURCES INC.	
PROJECT	LAC LA HACHE PROJECT CLINTON MINING DIVISION, BRITISH COLUMBIA	
TITLE	RILEY CLAIM GROUP LOCATION MAP	
SCALE	1 : 50 000	DATE 1994-08-08
DESIGNED RvG	DRAWN E.S.	APPROVAL
	STRATHCONA MINERAL SERVICES LIMITED TORONTO, ONTARIO, CANADA	
PROJECT No. 1802-4	DRAWING No.	REVISION 0

6. PROJECT HISTORY

The Nemrud bornite skarn is developed near the contact of Nicola Group metasedimentary and metavolcanic rocks and the Takomkane monzonite. It is situated to the east of an area which has been explored for copper since 1966, and is host to alkalic porphyry copper-gold occurrences (Miracle Shear, Peach, Tim), and to one chalcopyrite-magnetite skarn zone in the contact aureole of a monzonite intrusion (WC). There is no evidence of previous physical work at Nemrud. The only reference to the general area, i.e., "chalcopyrite and bornite occur disseminated in volcanic rocks" is contained in the 1971 government report on activities in the province (Geology, Exploration and Mining in British Columbia), which describes work by Canadian Superior Exploration Limited on the RA claims, located two to six miles east of Spout Lake.

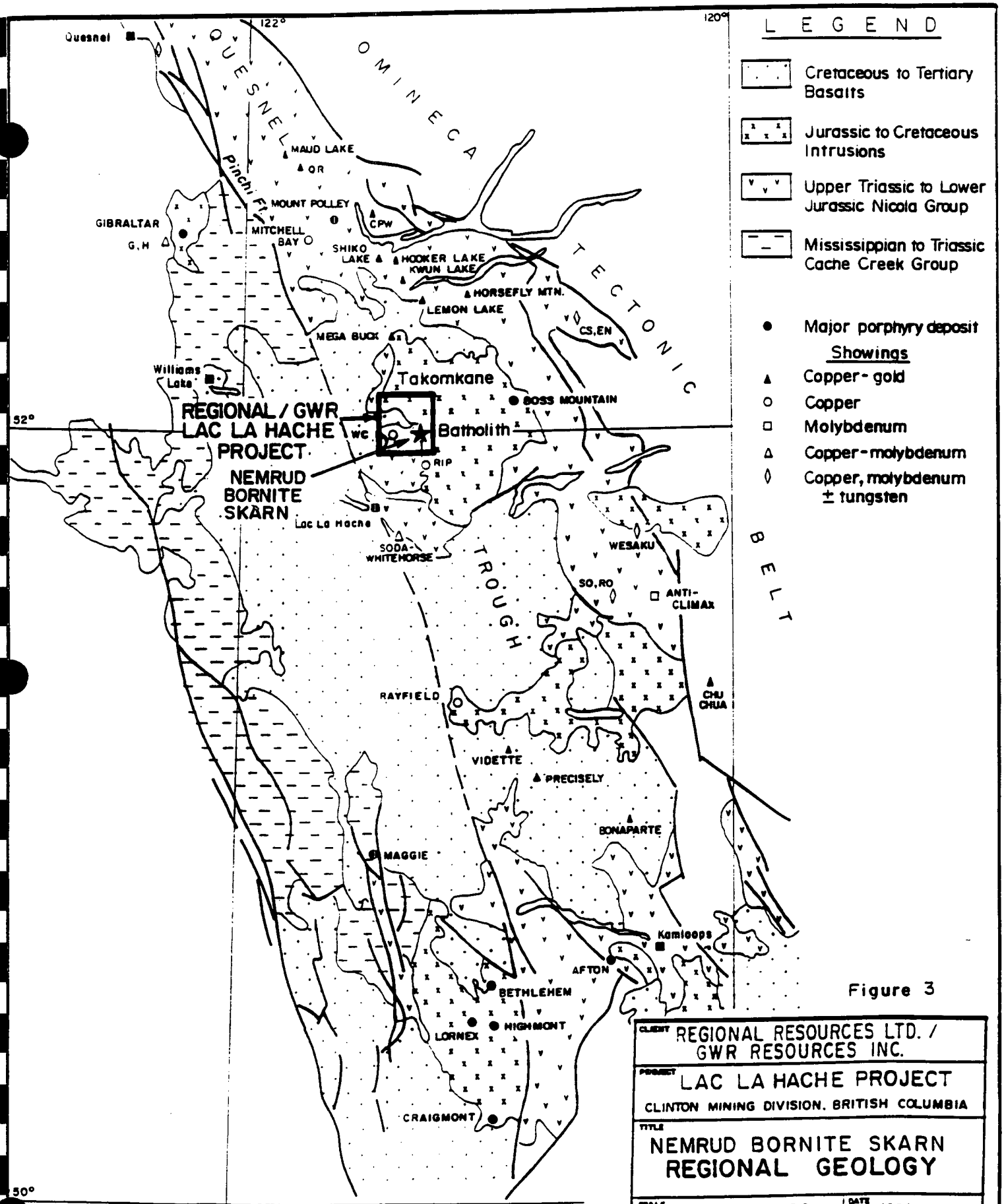
7. REGIONAL GEOLOGY

The Nemrud bornite skarn is situated within the Upper Triassic to Lower Jurassic Nicola Group, which forms part of the Quesnel Trough (Figure 3), a volcanic and sedimentary arc sequence affected by Upper Triassic to Jurassic intrusions, and by volcanic activity continuing into the Quaternary. The Quesnel Trough extends for over one thousand kilometres from northern Washington State to north-central British Columbia, and hosts several alkalic porphyry copper-gold deposits (Mount Milligan, Mount Polley, Ingerbelle, Galore Creek, Afton, Similco) and gold-skarns, and numerous porphyry occurrences.

Northeast of Lac La Hache, Nicola Group sediments, basalts, andesites and breccias are intruded by coeval small stocks of syenitic to dioritic composition. A significant portion of the Nicola Group is covered by Tertiary flood basalts. The Takomkane batholith, a monzonitic intrusion measuring about 50 kilometre in diameter, is located with its centre 35 kilometres northeast of Lac La Hache, and borders the Nicola Group at the east side of the Riley 1 claim.

The Nemrud skarn is located at the southeast side of a large annular aeromagnetic anomaly, which may have developed as the result of monzonite intruding Nicola Group to the north of Peach Lake and Spout Lake. This anomaly was first delineated by a survey flown for the Geological Survey of Canada in 1967.

Hydrothermal alteration has affected Nicola Group intrusives and volcanic rocks and includes K-feldspar flooding, development of magnetite, hematite and propylitic alteration. Porphyry and skarn-type mineralization is locally associated with these alteration zones (Peach, Miracle, Tim, WC).



NOTE: Modified after GSC Map 1712A, CIMM Spec. Vol.15, Map 8, and Saleken and Simpson, 1984

Figure 3

CLIENT	REGIONAL RESOURCES LTD. / GWR RESOURCES INC.
PROJECT	LAC LA HACHE PROJECT CLINTON MINING DIVISION, BRITISH COLUMBIA
TITLE	NEMRUD BORNITE SKARN REGIONAL GEOLOGY
SCALE	1 : 1 400 000
DATE	1994-01-18
DESIGNED	RvG
DRAWN	E.S.
APPROVAL	
	STRATHCONA MINERAL SERVICES LIMITED TORONTO, ONTARIO, CANADA
PROJECT No.	1,8,0,2,-,4
DRAWING No.	
REVISION	0

8. WORK PROGRAM 1993

8.1 Objectives

The objective of the 1993 program at Nemrud was to define the area of bornite mineralization by prospecting, mapping and rock sampling, and to carry out overburden sampling and induced polarization and magnetometer surveys in preparation for diamond drilling in 1994.

8.2 Logistics

The exploration crew was based at a motel in Lac La Hache. Line cutting was performed by Strathcona's local staff and by Coureur des Bois, a contractor from Whitehorse, Yukon Territory, who worked out of a tent camp. Geophysical surveys were contracted to Lloyd Geophysics Inc. of Vancouver, whose crew stayed at the Northwood Lodge near Timothy Mountain.

8.3 Work Performed

Work in 1993 consisted of 44.7 kilometres of line cutting, of prospecting, geological mapping, rock and overburden sampling (22 rocks, 648 soils), 42.0 kilometres of magnetometer and 46.8 kilometres of induced polarization surveys. The induced polarization survey used a pole-dipole array and an electrode spacing of 25 metres between the potential electrodes. Three lines were also read with a 50 metre electrode spacing. Readings taken from $n = 1$ to $n = 6$ resulted in a theoretical survey depth of 75 metre for the 25 metre spacing, and of 150 metre for the 50 metre spacing.

8.4 Results

8.4.1 Geology

The Nemrud area is underlain by Nicola Group mafic to intermediate metavolcanic rocks and metasediments, which are intruded by coeval stocks of dioritic composition and by the younger Takomkane monzonite (Figure 4, 7, in pocket). The rocks on the Nemrud grid to the west of the Takomkane monzonite can be divided in three groups. Mafic metavolcanic rocks are exposed in the northeast part of the grid, followed by intercalated metasediments and mafic metavolcanic rocks in the centre, and by predominantly volcanic breccia to the west. A diorite intrusion occupies the southwest corner of the grid. The regional metamorphic facies (greenschist) of the rocks has been overprinted by skarn metasomatism.

Metavolcanic Rocks

Mafic to intermediate tuffs or flows are fine grained, dark green, and based on observations from hand samples, are composed mainly of pyroxene/amphibole and plagioclase. Volcanic breccias are generally heterolithic, and contain centimetre to ten centimetre-size fragments of intermediate to mafic compositions well as syenitic to monzonitic, and epidote-rich clasts.

Metasediments

Metasediments include fine-grained, green-grey to brown-grey greywacke and siltstone, and medium to coarse-grained, grey, impure limestone (marble). Clean, white limestone is less common. The limestone forms 0.5 - 3.0 metre thick lenses and bands, which may be the result of ductile tectonic deformation of thin limestone beds, possibly reefs, and of incomplete replacement by skarn minerals.

Intrusive Rocks

Diorite, which is exposed in the southwest corner of the grid is medium-grained, hornblende-porphyritic and magnetic. Felsic dikes include quartz-feldspar-biotite and plagioclase-hornblende porphyritic dikes and quartz-K-feldspar veins and dikes at the contact of the Takomkane monzonite. The Takomkane monzonite is light coloured with biotite and feldspar phenocrysts set in a medium-grained quartz-feldspar matrix.

Pleistocene

Glacial drift deposits, generally less than three meters thick, extend over about 70% of the grid. The thickness of the glacial cover increases to the north.

Structure

Textural and small-scale structural features in sediments and volcanic rocks are obliterated in areas of strong skarn development. A shallow southerly to southwesterly dip of the skarn protoliths can be interpreted from outcrop near 60100N, 21100E. Narrow valleys, which separate steeply rising outcrop knobs, follow prominent structural directions i.e. , northwest to southeast and west-southwest to east-northeast. The contact of the Nicola Group rocks and the Takomkane monzonite has an overall north-south strike. The results of ground magnetometer and induced polarization surveys also indicate north-northeast to south-southwest striking features which may parallel the Takomkane contact. Minor folds were observed at 59800N, 20830E.

8.4.2. Alteration

Hydrothermal alteration, possibly related to the Takomkane monzonite, has affected calcium-rich metasediments and to some extent the metavolcanic rocks, and has resulted in partial or total replacement of these rocks by fine-grained garnet-diopside skarn. These minerals are typical for calcic skarns, and develop during prograde metasomatic replacement of limestone or marl. Garnet is most abundant in the main

skarn unit, but can be found in traces, up to one kilometre to the west of the monzonite contact. Epidote and calcite have developed locally together with bornite (Appendix 2). Fine-grained, diopside calc-silicate hornfels seems to replace mainly mafic volcanic rocks. Propylitic alteration (epidote-chlorite) is common in these rocks outside of the skarn.

8.4.3 Mineralization

Skarn, and specifically epidote-bearing skarn carries scattered bornite and rare chalcopyrite and pyrite in a north-northwest striking zone of about 600 metre length. Most of the bornite occurrences on the Nemrud grid are spatially related to remnants of a limestone horizon, which can be traced from 59900N, 21220E to 60370N, 21030E. Patchy bornite mineralization may occur over a width of up to 20 metres, the thickness of the mineralized horizons is unknown. Bornite is medium to coarse grained, individual crystals can be two centimetres long. Grab samples returned values of up to 3.57% copper, 1.26 g/t gold and 82 g/t silver. Copper, gold and silver have a positive correlation, with one percent copper corresponding on average to 0.3 g/t gold, and 18 g/t silver.

Traces of bornite, chalcopyrite and pyrite were found in several locations on the Nemrud grid, outside of the main bornite zone (Figure 4, in pocket).

8.4.4 Geochemistry

Result of soil sampling are shown on figures 5, 6 and 8 (pocket). The bornite skarn is marked by a locally strong copper soil anomaly, with values as high as 1621 ppm copper over outcrop, and 4054 ppm in wet, clayey soil, immediately to the north of the outcrop area. Several anomalies with Cu > 100 ppm are located to the east, southeast, south and to the west of the skarn. Gold in soils (Figure 6) is generally below 10 ppb over the skarn outcrop, only one sample at 60200N, 21200E is relatively high in gold (57 ppb gold, 615 ppm copper). Single station anomalies of 98 to 115 ppb gold were found in three areas to the north and west of the skarn, and several anomalies ranging from 10-50 ppb gold are distributed throughout the grid.

Silt sampling was not effective in tracing the Nemrud mineralization, which is probably a result of the low acidity (limestone horizon, lack of pyrite) of the surface waters.

8.4.5 Induced Polarization and Magnetometer Surveys

(Detailed descriptions of these surveys are given in Appendix 3).

Weak to moderate chargeability anomalies indicating narrow and shallow sources, are located at the south end of the skarn zone outside of the main area of bornite mineralization, and under a swamp to the west of the skarn. The two zones seem to

occupy the same northwest striking feature. The exposed bornite mineralization does not cause significant chargeability anomalies, which reflects the low total sulphide content of the skarn in general, and also the type and grain size of the sulphides present. Bornite is less chargeable than pyrite or chalcopyrite, and the bornite at Nemrud is generally coarse grained, which further reduces the overall chargeability response.

A weak, porphyry-style anomaly in the northeast corner of the grid may be situated at the contact of the Nicola Group with the Takomkane monzonite. This anomaly is open to the north.

The Nicola Group rocks have compared to the Takomkane monzonite, a relatively strong magnetic susceptibility, which may allow to locate the contact of both units in areas of overburden.

9. CONCLUSIONS AND RECOMMENDATIONS

The Nemrud bornite skarn can be classified as a gold and precious metal enriched (PME) calcic skarn (MacMillan et al, 1991). Bornite is the only sulphide mineral of importance, while chalcopyrite and pyrite occur in traces only. This sulphide mineralogy is uncommon in skarn deposits and indicates a sulphur depleted system.

The fact, that the induced polarization survey has not returned significant anomalies over the exposed bornite mineralization, does not necessarily remove the possibility for a copper deposit in this area. An accumulation of two to three percent coarse grained, disseminated bornite may not cause a good chargeability anomaly, but provided the volume is there, would still create an attractive copper deposit.

It is recommended to drill about 1500 metre in 16 holes on the Nemrud grid in 1994. Most of these holes would be short (50 m) with some longer holes (100-150 m) drilled initially on section 60400N, which would serve to get a better understanding of the geological setting of the skarn. Longer holes would also be necessary to explore the porphyry-style anomaly at the north end of the grid.

The cost of this program is estimated at $150 000.

10. EXPENDITURES

		$
1.	**Geologists, Prospectors** R. Aulis, D. Blann, R. von Guttenberg, S. Surmacz	16 295
2.	**Line cutting** Coureur des Bois, D. Hamilton, C. Ehmann S. Stone, A. Molnar, T. Mackenzie	38 070
3.	**Geophysical Surveys** Lloyd Geophysics	49 163
4.	**Assaying** 21 rocks, 648 soils, silts	8 028
5.	**Project Services** Room & Board, Rentals, Transportation Communication, Supplies and Equipment	53 023
	Subtotal	164 579
	Overhead 10%	16 458
	Total	**181 037**

11. REFERENCES

McMillan, W.J. et al (1991) Ore deposits, tectonics and metallogeny in the Canadian Cordillera. Province of British Columbia, Ministry of Energy, Mines and Petroleum Resources; Paper 1991-4

N.N. (1971) Geology, exploration and mining in British Columbia, p. 335, RA claims. British Columbia Department of Mines and Petroleum Resources.

12. STATEMENT OF QUALIFICATIONS

I, Reinhard von Guttenberg, residing at 171 Romfield Circuit, Thornhill, Ontario, do hereby certify that:

1. I am a graduate of the University of Munich, West Germany (1969), and have obtained a Dr. rer. nat. in geology from that university in 1974;

2. I have been practising my profession since graduation;

3. I am currently employed by Strathcona Mineral Services Limited, of Toronto, Ontario, an independent consulting firm for the mining industry;

4. I am a Fellow of the Geological Association of Canada, and a Member of the Canadian Institute of Mining and Metallurgy;

5. I have supervised and carried out on behalf of Regional Resources Ltd., and G.W.R. Resources Inc. the work performed on the Nemrud grid;

6. I have no interest, either direct or indirect, in the properties or securities of Regional Resources Ltd. and G.W.R. Resources Inc.;

Dated at Toronto, Ontario this 12 th day of August, 1994.

Reinhard von Guttenberg

Reinhard von Guttenberg

APPENDIX 1.

GEOCHEMICAL ANALYSIS CERTIFICATE

Strathcona Mineral Services Ltd. PROJECT 1802-4 File # 93-2962 Page 1

12th Floor - 20 Toronto S, Toronto ON M5C 2B8 Submitted by: David Blann

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	Au** ppb
93-RG-S043	1	16668	25	183	27.0	13	14	397	2.28	14	<5	<2	<2	123	2.7	<2	22	52	3.02	.139	4	29	.95	34	.20	3	1.69	.12	.13	1	597
93-RG-S044	1	17908	6	51	26.2	8	5	704	1.38	4	<5	<2	<2	36	1.0	<2	44	34	4.74	.067	3	15	.21	19	.06	<2	.90	.01	.01	1	515
93-RG-S045	6	5185	<2	32	1.0	5	21	782	4.22	29	<5	<2	<2	86	<.2	<2	<2	79	2.94	.133	3	4	.97	15	.12	5	1.24	.02	.10	1	1548
93-RG-S046	8	2257	<2	33	1.1	5	7	609	3.27	11	<5	<2	<2	47	<.2	<2	<2	76	1.13	.071	3	14	.61	34	.09	4	1.29	.09	.16	<1	361
93-RG-S047	12	6584	15	18	2.7	7	7	342	3.79	15	<5	<2	<2	69	.4	<2	<2	115	1.58	.092	4	20	.31	45	.10	5	.99	.04	.05	1	484
93-RG-S048	24	2668	2	4	1.4	5	1	125	1.44	4	<5	<2	<2	4	<.2	<2	22	5	.08	.007	<2	7	.05	19	<.01	5	.10	<.01	.03	293	10
93-RG-S049	2	58	2	17	.3	5	5	230	2.32	5	<5	<2	<2	18	.2	<2	<2	51	.61	.073	6	16	.16	23	.07	8	.48	.05	.06	1	10
93-RG-S050	6	3658	8	31	1.3	6	15	617	4.36	15	<5	<2	<2	25	<.2	<2	<2	162	1.26	.150	4	3	1.15	38	.21	3	1.36	.07	.51	1	1210
93-RG-S051	3	2594	10	14	1.0	7	5	843	4.24	11	<5	<2	<2	253	<.2	2	<2	98	5.87	.078	<2	23	.44	49	.09	3	2.12	.02	.04	1	493
G-S052	2	807	2	22	.3	8	6	684	3.97	9	<5	<2	<2	17	.2	<2	<2	123	2.02	.120	3	29	.26	17	.14	3	.66	.04	.09	1	156
93-RG-S053	7	3935	<2	23	1.6	6	8	289	2.23	3	<5	<2	<2	24	.2	<2	<2	45	1.19	.072	4	11	.22	51	.09	3	.68	.05	.07	1	635
93-RG-S054	6	812	4	54	.5	10	19	589	4.50	34	<5	<2	<2	107	.2	<2	<2	127	2.46	.112	2	18	.52	77	.15	10	1.80	.09	.09	<1	28
93-RG-S055	2	13779	8	359	26.6	8	10	1509	3.40	14	<5	<2	<2	237	16.2	<2	<2	107	3.88	.087	3	21	.46	21	.18	3	1.56	.01	.02	<1	167
120301	6	2231	4	69	2.6	8	7	773	3.10	5	<5	<2	<2	54	.5	<2	<2	88	1.88	.115	5	17	.55	15	.18	4	1.02	.08	.14	<1	17
120302	<1	2529	9	97	3.0	15	11	609	1.98	4	<5	<2	<2	98	1.1	<2	4	62	4.71	.144	3	45	.76	27	.11	4	1.32	.02	.05	<1	27
RE 120302	<1	2344	6	93	2.8	14	10	589	1.89	7	5	<2	<2	94	1.1	<2	<2	59	4.57	.138	3	44	.74	26	.11	3	1.28	.01	.04	<1	32
120303	70	576	2	37	1.1	4	7	648	2.18	6	<5	<2	2	61	.6	<2	<2	31	2.79	.031	5	12	.58	194	<.01	3	.46	.01	.09	3	5
120304	<1	142	<2	62	.2	8	14	891	3.89	10	<5	<2	<2	142	<.2	<2	<2	114	1.91	.152	3	19	1.35	34	.23	6	1.94	.06	.40	1	15
120305	1	89	3	56	.2	15	14	659	4.06	5	<5	<2	<2	77	<.2	<2	<2	114	1.52	.120	2	37	1.29	26	.24	3	1.51	.12	.32	<1	2
120306	1	551	5	35	.7	24	10	774	1.41	10	<5	<2	<2	217	.3	<2	<2	53	13.18	.138	4	63	.43	26	.10	3	.97	.04	.08	<1	5
120307	2793	16656	22	76	15.5	7	29	1608	4.01	459	<5	2	2	79	.5	3	<2	93	7.93	.072	76	3	2.16	17	<.01	<2	.29	.02	.02	<1	452
120308	15	653	2	104	.5	20	11	1182	3.79	11	<5	<2	<2	45	.2	<2	<2	110	1.92	.125	3	94	1.29	15	.23	8	1.55	.16	.19	<1	8
120309	2	1053	4	132	1.0	5	15	1398	4.55	7	<5	<2	4	38	.2	<2	<2	78	2.53	.143	12	9	1.26	65	.19	4	1.66	.13	.26	<1	38
120311	34	565	5	41	.8	10	9	512	2.24	11	<5	<2	<2	66	.8	<2	<2	69	3.48	.151	10	21	.61	37	.11	8	1.78	.13	.10	<1	5
128902	<1	35	3	56	.1	109	25	1016	4.16	6	<5	<2	<2	183	.2	<2	<2	63	3.91	.150	21	100	1.99	211	.21	3	.82	.11	.17	<1	1
128903	1	39	5	26	.1	4	8	219	7.20	111	<5	<2	<2	202	<.2	<2	<2	52	.50	.372	5	6	.55	130	<.01	<2	1.12	.03	.25	<1	13
128904	<1	267	2	24	.4	53	26	475	3.44	4	<5	<2	<2	140	<.2	<2	<2	75	1.78	.109	3	121	1.66	22	.17	11	1.63	.03	.36	<1	27
905	<1	62	3	13	.2	17	15	175	2.51	3	<5	<2	<2	50	<.2	<2	<2	43	1.48	.061	4	24	.32	62	.11	2	1.54	.14	.06	<1	10
906	1	1378	<2	28	.4	7	14	328	5.06	17	<5	<2	<2	86	<.2	<2	<2	133	1.24	.174	4	12	.86	125	.16	6	1.18	.06	.08	<1	170
128907	24	1362	5	68	1.0	6	30	254	3.17	10	<5	<2	<2	45	.2	<2	<2	69	.83	.129	6	5	.33	23	.11	4	.76	.07	.11	<1	66
128908	2	661	<2	58	.3	5	17	617	6.02	14	<5	<2	<2	47	.3	<2	<2	180	.89	.155	3	2	1.41	226	.38	5	1.46	.09	1.16	<1	14
128909	1	472	<2	46	.3	5	16	572	4.12	20	<5	<2	<2	119	.2	<2	<2	110	1.66	.170	4	3	1.20	25	.21	5	1.35	.04	.11	1	36
128910	2	4518	3	136	1.7	10	19	1418	4.00	7	<5	<2	<2	87	<.2	<2	<2	98	2.50	.086	3	19	1.63	51	.22	10	1.44	.04	.03	1	12
128911	2	291	3	37	.4	6	7	393	5.98	12	<5	<2	<2	71	.2	<2	<2	106	1.44	.110	5	23	.24	19	.12	5	.46	.06	.07	1	99
128912	3	2708	4	58	.9	7	31	636	4.48	11	<5	<2	<2	66	<.2	<2	<2	109	.92	.165	2	7	2.05	110	.22	3	2.13	.04	1.55	1	90
STANDARD C/AU-R	17	63	38	128	6.8	66	31	1038	3.97	38	21	8	36	53	18.3	13	16	54	.51	.086	40	60	.92	184	.08	39	1.91	.07	.14	11	494

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 TO P2 ROCK P3 TO P17 SOIL P18 SILT AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: OCT 19 1993 **DATE REPORT MAILED:** Oct 28/93 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Strathcona Mineral Services Ltd. PROJECT 1802-4 File # 93-3262

12th Floor - 20 Toronto S, Toronto ON M5C 2B8

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	Au** ppb
128916	1	1373	5	43	.6	9	5	1050	2.44	2	<5	<2	<2	48	.5	<2	<2	104	6.32	.105	2	45	.46	13	.11	<2	1.22	.01	.04	1	16
128917	1	2622	10	42	.9	6	15	594	3.53	19	<5	<2	<2	160	<.2	2	2	75	2.46	.164	5	3	1.00	29	.21	5	1.56	.02	.05	2	48
128918	1	332	3	26	.2	21	21	247	4.62	35	<5	<2	<2	56	.5	2	<2	58	.88	.068	2	31	1.13	19	.13	2	1.14	.06	.24	1	17

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 12 1993 **DATE REPORT MAILED:** Nov 19/93. **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

1802-4

2.5

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Strathcona Mineral Services Ltd. PROJECT 1802-4 File # 93-2352 Page 1

12th Floor - 20 Toronto S, Toronto ON M5C 2B8 Submitted by: D. Blann

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	Au** ppb
93-RG-S020	1	517	5	44	1.1	7	28	451	4.43	4	<5	<2	<2	71	<.2	<2	<2	88	2.00	.141	4	9	.53	57	.14	6	1.62	.09	.10	<1	91
93-RC-S021	36	15665	11	84	23.0	16	12	367	1.69	2	<5	<2	<2	184	1.0	<2	22	38	2.57	.171	3	45	.64	30	.15	<2	.97	.02	.03	<1	339
93-RC-S022	1	7240	4	62	10.7	15	10	386	1.42	<2	<5	<2	<2	219	<.2	<2	10	35	5.08	.148	3	45	.59	61	.11	2	1.08	.02	.05	<1	155
93-RG-S023	6	130	<2	26	.3	3	14	417	3.33	<2	<5	<2	<2	26	<.2	<2	2	53	.70	.090	6	3	.37	22	.10	2	.92	.07	.07	<1	14
93-RG-S024	<1	1961	4	141	2.6	19	16	936	2.36	<2	<5	<2	<2	84	<.2	<2	<2	60	4.92	.136	4	66	1.14	44	.13	<2	1.64	.03	.15	<1	78
93-RG-S025	79	332	4	73	.9	15	20	2086	7.95	54	13	<2	<2	18	<.2	3	<2	21	.18	.022	7	7	.12	96	<.01	<2	.49	.01	.12	1	21
93-RG-S026	3	15583	10	76	22.4	9	8	588	1.63	3	<5	<2	<2	87	.9	<2	20	37	5.33	.152	5	26	.88	31	.14	<2	.89	.03	.05	<1	588
RE 93-RG-S026	1	16237	11	77	22.8	9	9	619	1.71	4	<5	<2	<2	91	1.1	<2	22	39	5.68	.160	6	25	.93	32	.14	<2	.96	.04	.06	<1	711
93-RC-S027	3	35765	19	28	82.1	15	6	643	2.50	3	<5	<2	<2	52	.3	<2	114	60	4.03	.153	4	70	.37	16	.19	<2	1.04	.01	.01	<1	1257
93-RG-S028	1	19839	5	66	37.2	7	6	670	1.30	4	<5	<2	<2	192	1.3	<2	15	27	5.71	.133	9	8	.31	17	.21	<2	.81	<.01	.01	<1	225
93-RC-S029	2	32614	9	74	47.4	27	12	518	1.87	4	<5	<2	<2	51	1.1	<2	82	42	3.07	.164	6	110	.65	26	.14	<2	.90	.02	.03	<1	797
93-RC-S030	1	7115	7	51	9.9	13	7	823	2.24	2	<5	<2	<2	130	.2	<2	12	75	6.36	.125	2	87	.55	53	.15	<2	1.16	.01	.02	<1	123
93-RG-S031	2	15218	19	351	22.2	20	34	442	3.32	<2	<5	<2	<2	943	.6	<2	21	53	3.62	.182	6	39	2.02	279	.21	<2	3.29	.49	.81	<1	305
93-RC-S032	1	17921	2	51	23.7	9	6	772	2.22	<2	<5	<2	<2	76	.5	<2	29	51	6.81	.138	3	40	.29	36	.11	<2	1.31	.01	.01	<1	375
93-RG-S033	1	6793	7	58	8.5	12	7	787	1.98	2	<5	<2	<2	137	<.2	<2	12	97	9.70	.097	3	95	.65	10	.13	<2	1.10	.01	.01	<1	163
93-RG-S034	3	30325	5	63	41.2	10	9	825	1.78	<2	<5	<2	<2	268	.4	<2	27	30	6.62	.171	8	9	.40	9	.19	<2	.82	.01	.01	<1	435
93-RG-S035	3	31617	11	62	39.3	12	10	936	1.86	8	6	<2	<2	169	1.4	<2	47	42	8.46	.258	8	93	.29	23	.20	<2	.58	<.01	<.01	<1	667
93-RG-S036	2	561	4	41	.7	5	10	514	3.74	6	<5	<2	<2	33	<.2	<2	3	64	1.00	.091	4	10	.81	28	.20	2	1.28	.06	.70	<1	40
93-RG-S037	1	20044	13	18	20.7	13	8	319	1.73	<2	<5	<2	<2	62	.8	<2	24	60	2.43	.045	2	41	.59	98	.12	173	1.21	.03	.06	<1	582
93-RGR 047	2	32630	10	54	45.2	21	11	479	1.77	13	<5	<2	<2	51	1.3	<2	93	40	3.13	.157	6	112	.56	31	.14	3	.86	.03	.03	<1	712
93-RGR 048	1	2179	2	45	1.0	10	9	873	2.33	<2	<5	<2	<2	238	<.2	<2	<2	78	10.48	.094	2	54	.45	12	.13	<2	1.28	.01	.02	<1	18
93-RGR 049	1	9000	10	82	12.7	20	14	600	1.53	5	<5	<2	<2	146	.6	<2	19	43	4.69	.171	4	48	.79	50	.15	5	1.59	.03	.09	<1	266
93-RCR 051	1	541	4	13	.7	5	1	189	.67	8	<5	<2	8	15	<.2	<2	<2	13	.34	.010	6	8	.15	27	.05	2	.31	.04	.07	2	14
93-RCR 053	1	210	8	63	.3	3	7	467	2.57	19	<5	<2	<2	147	<.2	<2	<2	57	1.24	.105	2	3	.71	22	.16	7	1.18	.06	.18	<1	14
93-RCR 054	<1	165	13	88	.3	22	11	1047	7.06	22	<5	<2	<2	111	<.2	<2	<2	137	1.83	.130	2	72	1.54	40	.20	5	2.03	.10	.69	<1	72
93-RCR 055	2	364	5	33	.3	6	11	433	4.54	6	<5	<2	<2	82	<.2	<2	<2	130	1.91	.117	8	7	.83	50	.15	6	1.26	.06	.20	<1	28
93-RCR 056	<1	545	3	20	.5	6	13	266	1.78	5	<5	<2	3	24	<.2	<2	<2	40	.64	.039	9	5	.25	67	.04	2	.54	.06	.12	1	66
CD 64	1	194	6	78	.2	19	11	1066	3.02	<2	<5	<2	<2	36	<.2	<2	<2	105	4.78	.102	2	73	.73	20	.16	2	2.09	.13	.16	1	2
93-RFD 65	2	168	3	55	<.1	5	5	358	2.23	<2	<5	<2	<2	27	.2	<2	<2	45	1.18	.068	5	8	.24	28	.11	3	.59	.07	.07	<1	16
93-RFD 66	30	469	<2	12	2.2	8	4	387	2.68	7	8	<2	<2	18	<.2	5	14	37	.96	.039	3	13	.24	36	.04	2	.47	.03	.09	806	48
93-RCD 67	3	530	5	25	.4	4	5	509	3.76	8	<5	<2	<2	67	<.2	<2	<2	70	2.06	.088	4	11	.22	43	.11	3	.88	.06	.09	18	65
93-RCD 68	1	50	6	55	.4	7	12	652	3.54	6	6	<2	<2	135	<.2	<2	<2	74	1.41	.134	2	11	1.39	35	.21	4	1.65	.06	.21	1	5
93-RCD 69	1	109	6	66	.3	8	16	1105	4.71	3	<5	<2	<2	164	<.2	<2	<2	111	1.98	.138	4	12	1.59	56	.19	6	2.17	.07	.65	1	5
93-RCD 70	1	87	2	83	.3	9	14	1198	4.67	16	<5	<2	<2	97	<.2	<2	<2	107	2.16	.118	5	18	1.26	32	.16	6	1.80	.05	.23	1	4
R93 AR1	<1	3813	8	37	4.7	8	7	600	1.81	<2	<5	<2	<2	191	<.2	<2	4	46	5.07	.201	3	43	.40	11	.11	<2	1.27	.01	.01	1	588
STANDARD C/AU-R	18	63	38	123	7.1	66	31	1039	3.98	38	18	7	36	52	18.1	14	18	56	.51	.087	37	62	.90	186	.09	32	1.89	.07	.14	10	485

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL P4 SILT AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 9 1993 **DATE REPORT MAILED:** Sept 13/93 **SIGNED BY.** D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Assay recommended for W > 100 ppm

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253 3158

GEOCHEMICAL ANALYSIS CERTIFICATE

Regional Resources PROJECT 1802-4 File # 93-2128 Page 1

c/o Strathcona Mineral Se, Toronto ON M5C 2B8 Submitted by: David Blann

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	Au* ppb
93-RG-S015	1	6271	4	90	6.8	18	19	662	2.52	6	<5	<2	<2	243	.2	<2	9	75	5.29	.167	3	36	1.15	33	.17	3	2.38	.02	.02	<1	160
93-RG-S016	1	20300	6	68	25.0	11	8	806	1.45	5	<5	<2	<2	185	.2	<2	25	33	6.02	.196	12	24	.25	21	.31	2	.56	.01	.01	<1	550
93-RCD-54	<1	365	<2	147	.8	14	31	1540	5.13	14	<5	<2	<2	122	<.2	<2	<2	122	2.71	.140	<2	14	2.75	55	.19	4	2.10	.03	.04	<1	10
93-RCD-56	6	902	8	93	1.4	6	16	1220	5.46	14	<5	<2	<2	99	<.2	<2	<2	126	1.40	.129	3	7	1.32	36	.15	4	1.58	.04	.12	<1	130
93-RCD-57	<1	203	<2	76	.6	10	21	885	6.24	10	<5	<2	<2	89	<.2	<2	<2	168	1.34	.143	<2	9	1.59	48	.20	3	1.97	.07	.10	<1	20
93-RCD-58	<1	28	2	124	.3	10	27	1319	5.17	14	<5	<2	<2	112	<.2	<2	<2	114	2.35	.138	<2	9	2.17	32	.17	9	1.94	.05	.04	<1	4
93-RCD-59	1	181	3	86	.3	4	13	788	3.12	6	<5	<2	<2	118	<.2	<2	<2	76	1.45	.120	7	3	.88	28	.10	6	1.01	.04	.08	<1	10
RE 93-RCD-59	1	184	5	87	.3	4	13	790	3.12	7	<5	<2	<2	119	<.2	<2	<2	76	1.46	.121	7	4	.88	28	.10	5	1.02	.04	.07	<1	10
93-RCD-60	1	317	<2	28	.5	9	5	329	3.07	<2	<5	<2	<2	38	<.2	<2	<2	98	1.28	.096	<2	23	.27	13	.17	4	.57	.08	.04	1	6
93-RCD-61	<1	2450	2	98	3.2	18	11	778	2.29	4	<5	<2	<2	114	<.2	<2	4	79	4.90	.120	2	38	.90	31	.15	3	1.70	.09	.10	<1	65
93-RCD-62	<1	8461	<2	74	9.3	8	6	727	1.43	5	<5	<2	<2	43	<.2	<2	14	42	5.02	.075	2	22	.36	28	.06	2	1.04	.02	.02	1	250
93-RCD-63	1	1473	4	36	1.2	5	7	459	2.33	5	<5	<2	<2	133	<.2	<2	<2	69	1.70	.151	<2	10	.48	17	.16	6	1.11	.05	.15	1	17
B-93-AR-1	1	29	<2	20	<.1	5	3	276	1.13	<2	<5	<2	2	23	<.2	<2	<2	21	.59	.022	3	7	.12	82	.03	3	.43	.05	.06	1	2
B-93-AR-2	<1	70	5	21	<.1	3	2	295	1.06	2	<5	<2	<2	14	<.2	<2	<2	15	.74	.017	2	5	.07	81	<.01	<2	.43	.03	.04	<1	3
STANDARD C/AU-R	17	58	38	126	6.8	67	31	1037	3.96	39	18	6	36	52	17.5	14	22	54	.51	.086	37	56	.91	183	.08	33	1.88	.06	.14	10	450

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL P4 PAN CONC. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 24 1993 **DATE REPORT MAILED:** Aug 30/93 . **SIGNED BY**.....C. Leong..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

STRATHCONA MINERAL SERVICES LTD. ETK 93-358
12th FLOOR, 20 TORONTO STREET
TORONTO, ONTARIO
M5C 2B8

ATTENTION: HENDRICH THALENHORST

SEPTEMBER 22, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

5 ROCK SAMPLES RECEIVED SEPTEMBER 15, 1993
PROJECT #: 1802-4
SHIPMENT #: 07

ET# DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 - 93 RCRO 57	10	1.0	1.13	10	4	305	10	1.06	<1	19	58	97	4.70	.13	<10	.90	628	3	.05	7	1980	12	15	<20	76	.11	<10	174	<10	15	59
2 - 93 RCRO 58	285	<.2	1.73	20	4	60	<5	3.23	<1	25	35	2283	5.66	.16	<10	1.73	1388	1	.03	6	1980	6	15	<20	57	.12	<10	209	<10	17	86
3 - 93 RCRO 59	775	<.2	2.06	35	2	45	<5	2.90	<1	23	29	6317	6.50	.10	<10	2.02	1236	<1	.01	7	1950	10	20	<20	43	.04	<10	242	<10	11	101
4 - 93 RFD 071	10	<.2	4.05	5	4	100	<5	3.20	<1	29	43	503	5.43	.11	<10	1.43	567	2	.23	5	1540	20	20	<20	408	.13	<10	216	<10	11	46
5 - 93 RCD 072	10	<.2	2.10	10	4	40	10	2.58	<1	13	93	73	3.67	.18	<10	.45	588	2	.15	13	1560	14	10	<20	113	.14	<10	157	<10	16	29
QC/DATA:																															
Repeat#:																															
4 - 93 RFD 071		<.2	3.89	5	2	100	<5	3.13	<1	28	42	461	5.24	.11	<10	1.37	546	1	.23	6	1540	16	20	<20	390	.13	<10	211	<10	11	45
STANDARD 1991:		1.2	1.89	65	2	125	10	1.73	<1	20	66	80	3.84	.40	<10	.97	710	<1	.02	25	660	26	15	<20	61	.11	<10	80	<10	13	74

NOTE: < = LESS THAN
> = GREATER THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

cc: David Blann
Lac La Hache, B.C.

SC93/Strathcona

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

STRATHCONA MINERAL SERVICES LTD. ETK 93-399
12th FLOOR, 20 TORONTO STREET
TORONTO, ONTARIO
M5C 2B8

ATTENTION: NORM CALDER/HENDRICH THALENHORST

OCTOBER 7, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

11 ROCK SAMPLES RECEIVED SEPTEMBER 27, 1993
PROJECT #: 1802-4
SHIPMENT #: 8

#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	128901	5	<.2	1.83	<5	12	55	5	1.54	<1	16	32	38	3.10	.15	<10	1.26	778	2	.03	3	1020	30	10	<20	89	.12	<10	58	<10	13	71
2 -	RGS 038	450	1.2	1.68	<5	12	65	5	.86	<1	22	23	>10000	11.12	.35	<10	1.34	1606	35	.01	4	>10000	12	25	<20	22	.02	10	184	60	6	37
3 -	RGS 039	10	1.0	1.92	<5	14	75	<5	1.45	<1	24	58	3606	4.36	.33	<10	1.28	676	243	.03	5	1160	34	10	<20	86	.15	<10	99	340	13	83
4 -	RGS 040	5	<.2	.84	<5	6	120	<5	1.09	<1	7	163	424	1.99	.17	<10	.42	372	97	.05	4	510	16	<5	<20	33	.07	<10	50	<10	8	30
5 -	RGS 041	5	<.2	.53	<5	6	295	5	9.78	<1	7	39	54	2.69	.09	<10	.53	1404	45	<.01	3	320	10	5	<20	103	<.01	<10	29	40	12	37
6 -	RGS 042	5	<.2	1.14	<5	12	45	<5	8.20	<1	27	100	347	2.60	<.01	<10	.84	719	4	.01	18	860	14	5	<20	230	.13	<10	93	<10	12	18
7 -	93 RCD 073	10	<.2	1.31	<5	10	60	<5	1.65	<1	19	80	669	3.13	.22	<10	1.07	992	2	.05	13	1330	22	10	<20	82	.17	<10	118	<10	17	61
8 -	93 RCD 074	40	.4	.73	<5	4	25	<5	.92	<1	11	62	1475	2.57	.09	<10	.41	424	5	.04	3	1060	12	5	<20	34	.10	<10	63	<10	10	30
9 -	93 RCR 050	60	<.2	.36	<5	4	285	<5	.75	<1	3	107	38	.97	.09	<10	.07	326	6	.03	4	280	8	<5	<20	19	<.01	<10	18	10	3	15
10 -	93 RCR 060	10	<.2	1.32	<5	8	75	5	1.41	<1	18	35	138	3.68	.34	<10	.96	601	2	.03	3	1810	20	10	<20	66	.18	<10	129	<10	19	35
11 -	93 RCR 061	5	<.2	1.99	<5	12	55	15	2.72	<1	32	35	20	4.68	.06	<10	2.08	1331	<1	.02	6	2310	28	15	<20	116	.15	<10	140	<10	16	169

NOTE: < = LESS THAN
> = GREATER THAN

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ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

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	Au** ppb
223394	4	19	2	26	.1	20	8	520	2.37	8	<5	<2	3	40	<.2	2	<2	52	.65	.035	12	35	.50	94	.15	2	1.30	.04	.11	1	5
223395	<1	12	<2	22	<.1	15	7	232	2.00	4	<5	<2	2	26	.2	<2	<2	46	.42	.056	8	24	.35	73	.12	2	.85	.03	.05	<1	3
223396	1	29	<2	29	<.1	21	9	238	2.50	4	<5	<2	2	19	.8	<2	<2	51	.32	.128	5	26	.32	85	.10	3	1.56	.02	.04	<1	4
223397	1	48	<2	37	.1	21	8	210	3.19	6	<5	<2	2	28	.2	<2	<2	65	.35	.050	8	35	.38	114	.14	<2	2.03	.02	.06	<1	1
223398	1	23	<2	31	.2	19	6	197	2.34	5	<5	<2	2	24	<.2	<2	<2	50	.32	.035	8	33	.37	88	.13	<2	1.52	.02	.04	<1	4
RE 223398	1	23	5	31	.1	21	7	202	2.45	10	<5	<2	2	24	<.2	<2	<2	52	.32	.034	7	34	.38	94	.14	<2	1.56	.02	.04	<1	1
223399	1	33	3	45	.3	17	8	211	2.99	4	<5	<2	2	24	.5	<2	<2	64	.37	.049	6	34	.43	80	.14	<2	1.68	.02	.05	<1	1
223400	<1	74	4	69	<.1	19	11	524	3.28	5	<5	<2	2	25	<.2	<2	<2	73	.53	.064	9	35	.85	73	.16	7	1.65	.03	.14	1	3
223401	1	63	<2	74	.1	19	11	663	2.59	4	<5	<2	2	27	.3	<2	<2	65	.63	.042	9	35	.74	77	.17	<2	1.75	.03	.07	1	2
223402	1	174	7	91	.8	19	6	274	3.43	5	<5	<2	2	16	<.2	<2	<2	82	.33	.063	7	44	.46	59	.20	4	2.57	.03	.05	1	3
[illegible]403	1	32	<2	74	.1	12	6	445	2.43	3	<5	<2	<2	15	<.2	<2	<2	61	.28	.027	3	35	.37	48	.15	<2	1.12	.02	.04	<1	1
223404	1	115	<2	86	.4	43	13	327	3.72	6	<5	<2	2	37	<.2	<2	2	73	.43	.061	7	47	.55	219	.14	2	3.75	.02	.09	1	3
223405	<1	15	<2	18	<.1	12	3	186	1.47	<2	<5	<2	2	25	<.2	<2	<2	34	.39	.039	7	19	.27	50	.12	<2	.88	.02	.03	<1	3
223406	1	18	<2	18	.1	19	6	202	3.98	2	<5	<2	2	21	<.2	<2	<2	89	.34	.048	6	30	.30	59	.10	5	.87	.02	.03	1	2
223407	<1	61	4	28	.2	16	5	184	2.15	6	<5	<2	2	31	<.2	<2	<2	55	.43	.012	7	26	.31	57	.12	<2	1.84	.02	.04	<1	1
223408	1	38	<2	36	.2	21	7	472	2.75	7	<5	<2	2	34	<.2	<2	<2	60	.53	.013	10	41	.46	77	.15	2	2.02	.03	.06	1	42
223409	1	12	4	49	.2	21	8	173	2.95	6	<5	<2	2	21	<.2	<2	3	56	.27	.101	8	32	.31	106	.12	<2	2.34	.02	.05	<1	2
223410	1	14	3	48	.1	30	8	162	2.72	12	<5	<2	2	22	<.2	<2	<2	48	.30	.092	6	32	.29	94	.14	<2	2.40	.02	.06	2	<1
223411	<1	18	2	33	.1	17	8	321	2.15	3	<5	<2	2	33	<.2	<2	2	52	.52	.051	9	31	.53	65	.15	<2	1.16	.03	.06	<1	4
223412	<1	47	3	62	.2	19	9	452	2.61	4	<5	<2	2	31	.5	2	<2	60	.53	.049	8	35	.53	86	.14	4	1.58	.02	.08	<1	1
223413	<1	55	<2	48	.2	26	10	322	2.97	7	<5	<2	2	27	<.2	<2	<2	63	.45	.056	8	40	.60	111	.16	3	1.96	.03	.08	<1	5
223414	<1	17	4	148	.3	11	8	389	3.50	6	<5	<2	<2	20	.2	<2	<2	75	.44	.248	4	34	.42	86	.17	<2	1.64	.02	.08	<1	<1
223415	1	105	<2	158	.2	19	14	1105	4.61	5	<5	<2	<2	19	<.2	<2	<2	111	.51	.059	3	43	.72	41	.12	<2	1.48	.01	.13	<1	<1
223416	1	61	2	130	.3	22	10	721	3.81	3	<5	<2	<2	16	.5	<2	<2	83	.38	.083	4	37	.57	85	.20	4	2.14	.03	.07	<1	<1
223417	1	37	2	98	.4	30	10	315	3.51	9	<5	<2	2	24	<.2	2	<2	72	.32	.045	6	52	.62	65	.17	3	1.96	.02	.06	<1	2
223418	<1	18	<2	31	<.1	24	7	207	2.48	8	<5	<2	2	28	<.2	<2	<2	50	.36	.050	8	32	.39	90	.13	4	1.72	.02	.07	<1	<1
223419	1	22	<2	71	.3	17	7	329	4.16	4	<5	<2	2	24	<.2	<2	<2	86	.32	.133	5	29	.32	87	.11	2	1.90	.01	.04	<1	4
223420	1	35	<2	43	.1	22	9	263	3.94	3	<5	<2	<2	21	.4	<2	<2	85	.32	.084	4	34	.52	71	.11	<2	1.83	.02	.03	<1	<1
[illegible]421	6	190	<2	62	.3	22	9	2266	3.41	9	<5	<2	<2	63	.3	<2	<2	58	1.02	.065	13	29	.50	185	.08	3	1.72	.03	.08	<1	10
[illegible]23422	1	24	<2	38	.1	18	6	309	2.46	4	<5	<2	2	25	.5	<2	<2	55	.43	.040	7	30	.56	58	.14	2	1.30	.02	.05	1	3
223423	1	28	<2	30	.1	19	7	240	2.32	4	<5	<2	3	33	.2	<2	<2	51	.48	.045	9	34	.48	74	.15	2	1.42	.03	.07	1	2
223424	39	73	<2	34	.3	28	14	5847	4.35	14	<5	<2	<2	70	.6	<2	<2	74	1.26	.068	8	31	.36	301	.06	2	1.40	.02	.07	1	2
223425	2	32	4	25	.1	17	5	199	2.17	7	<5	<2	<2	34	.5	<2	<2	52	.54	.025	9	31	.30	86	.12	2	1.43	.02	.06	<1	2
223426	1	20	<2	21	<.1	23	5	174	2.26	3	<5	<2	2	24	<.2	<2	<2	48	.35	.048	8	27	.32	87	.13	<2	1.25	.03	.04	1	6
223427	1	16	<2	46	.1	21	6	215	2.27	2	<5	<2	2	27	.3	<2	<2	48	.40	.058	8	30	.31	68	.13	3	1.59	.02	.05	1	9
STANDARD C/AU-S	16	62	42	128	6.8	68	28	1044	3.90	41	17	7	34	51	17.5	14	22	56	.50	.085	37	56	.90	182	.09	33	1.88	.06	.14	11	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
223428	1	22	3	36	.1	20	7	238	2.49	<2	<5	<2	2	26	<.2	<2	2	54	.44	.045	7	30	.37	72	.12	2	1.39	.02	.05	1	11
223429	1	36	<2	38	<.1	15	6	307	2.05	4	<5	<2	2	31	<.2	<2	<2	52	.53	.043	7	26	.50	57	.14	3	1.14	.02	.06	1	12
223430	2	70	<2	36	.1	15	7	279	2.28	3	<5	<2	<2	37	<.2	<2	4	55	.58	.018	10	27	.39	74	.11	<2	1.61	.02	.06	1	11
223431	1	35	6	49	.1	15	7	247	2.63	5	<5	<2	2	29	.2	<2	3	53	.42	.082	8	30	.39	76	.12	<2	1.52	.02	.07	1	10
223432	1	62	3	83	.1	13	10	725	2.72	4	<5	<2	<2	47	<.2	<2	<2	67	.68	.026	6	24	1.04	66	.19	<2	1.89	.02	.08	1	9
223433	1	38	<2	81	.1	18	10	529	3.90	5	<5	<2	<2	30	<.2	<2	3	91	.54	.041	5	32	.69	67	.14	<2	1.54	.02	.05	1	3
223434	3	60	<2	39	.2	26	7	504	3.27	8	<5	<2	2	38	<.2	<2	2	68	.60	.023	9	36	.56	99	.11	<2	1.61	.02	.09	2	6
223435	4	40	3	57	.1	14	8	387	2.64	<2	<5	<2	<2	33	.2	3	3	63	.59	.020	5	26	.59	67	.15	2	1.71	.03	.06	<1	6
223436	8	14	4	30	.1	9	4	167	1.91	<2	<5	<2	2	25	<.2	<2	2	51	.35	.011	7	23	.27	50	.15	<2	.96	.02	.04	1	7
223437	2	30	<2	46	.1	20	8	249	2.49	<2	<5	<2	2	24	.5	<2	<2	53	.33	.064	6	28	.43	77	.12	<2	1.71	.02	.07	1	8
223438	3	21	4	85	.1	10	6	250	3.02	<2	<5	<2	2	24	<.2	<2	5	54	.24	.150	4	22	.26	55	.13	<2	1.97	.02	.05	<1	1
223439	2	43	<2	70	.1	13	10	429	3.50	10	<5	<2	<2	27	<.2	<2	<2	73	.38	.095	4	23	.63	61	.15	<2	1.90	.02	.06	<1	5
223440	<1	44	2	55	.2	13	8	369	2.99	3	<5	<2	<2	41	<.2	<2	<2	66	.44	.051	5	23	.57	60	.15	<2	1.47	.02	.06	<1	1
223441	2	130	<2	74	.4	26	14	818	3.97	5	<5	<2	2	57	.3	<2	<2	87	.81	.056	8	36	1.00	119	.16	<2	2.76	.03	.15	<1	7
223442	1	28	2	54	.1	18	6	226	2.51	<2	<5	<2	2	34	<.2	<2	<2	55	.48	.081	8	29	.44	92	.14	<2	1.71	.02	.07	1	8
223443	<1	25	2	34	<.1	14	5	241	1.86	<2	<5	<2	2	32	.5	<2	<2	48	.44	.039	7	24	.43	53	.13	<2	1.18	.02	.05	<1	6
223444	2	13	<2	76	<.1	12	6	194	2.59	<2	<5	<2	2	21	<.2	<2	2	51	.28	.118	6	28	.24	73	.12	<2	1.73	.02	.05	1	5
RE 223444	2	13	5	74	.1	12	6	196	2.60	2	<5	<2	2	21	<.2	<2	<2	52	.28	.116	6	30	.23	71	.13	2	1.72	.02	.05	<1	2
223445	1	27	<2	26	.1	15	6	205	2.16	<2	<5	<2	2	22	.4	<2	<2	50	.36	.039	8	27	.34	52	.13	<2	1.13	.02	.06	2	3
223446	1	30	<2	35	.1	16	6	219	2.49	2	<5	<2	2	23	<.2	2	6	55	.32	.036	8	29	.37	71	.13	2	1.45	.02	.05	<1	34
223447	1	22	<2	33	<.1	10	4	188	2.09	3	<5	<2	2	23	.2	<2	2	49	.37	.036	7	24	.36	44	.12	<2	1.06	.02	.03	1	10
223448	1	37	<2	29	<.1	17	8	225	2.36	<2	<5	<2	2	22	<.2	<2	<2	52	.35	.058	7	28	.40	82	.12	<2	1.40	.02	.06	1	2
223449	1	90	5	246	.2	23	9	253	3.32	<2	<5	<2	2	18	.8	<2	<2	67	.26	.064	5	28	.44	66	.16	<2	2.09	.01	.05	1	5
223450	<1	38	2	110	.1	16	14	805	4.20	<2	<5	<2	2	17	.3	<2	2	92	.37	.103	3	23	1.13	51	.18	<2	2.33	.02	.06	1	3
223451	<1	12	<2	151	<.1	9	20	1169	4.94	<2	<5	<2	<2	18	.3	<2	<2	129	.43	.096	<2	13	2.26	32	.23	<2	2.53	.02	.05	<1	1
223452	1	18	5	93	.1	13	10	998	3.19	<2	<5	<2	<2	18	<.2	<2	<2	64	.31	.111	4	24	.43	60	.14	3	1.55	.01	.05	<1	3
223453	<1	41	<2	96	.1	26	14	407	3.51	2	<5	<2	2	19	.2	2	<2	73	.29	.080	5	36	.66	117	.16	<2	3.08	.01	.08	<1	5
223454	<1	60	2	48	.1	17	8	338	2.64	2	<5	<2	2	20	.3	<2	<2	62	.37	.017	6	35	.56	54	.16	<2	1.31	.02	.04	1	<1
223455	1	102	<2	79	.1	39	19	321	4.75	<2	<5	<2	2	32	.6	<2	<2	95	.37	.080	7	47	.67	234	.19	<2	3.75	.02	.12	<1	1
223456	1	19	<2	33	.1	15	6	187	2.23	<2	<5	<2	2	23	<.2	<2	<2	53	.32	.013	8	28	.37	58	.15	<2	1.28	.02	.06	<1	<1
223457	<1	63	2	55	.1	17	10	422	2.91	3	<5	<2	2	32	.4	<2	4	67	.52	.032	9	29	.73	95	.17	<2	2.01	.02	.12	<1	2
223458	<1	31	2	35	.1	15	6	325	2.01	<2	<5	<2	2	24	<.2	<2	<2	47	.43	.029	9	26	.47	51	.14	<2	1.06	.02	.05	1	4
223459	<1	57	<2	68	.1	20	14	771	4.72	<2	<5	<2	2	30	.2	<2	4	120	.80	.073	9	33	1.25	76	.16	<2	2.01	.02	.12	<1	4
223460	1	92	2	40	.5	27	8	323	2.85	2	<5	<2	<2	59	.2	<2	4	59	1.35	.037	15	33	.40	165	.11	<2	2.68	.03	.10	1	6
223461	5	133	5	48	.2	35	13	983	4.56	<2	<5	<2	3	42	.5	<2	4	92	.67	.027	19	54	.64	188	.15	<2	2.76	.03	.17	<1	10
STANDARD C/AU-S	16	58	38	128	6.8	68	28	1033	3.90	39	13	6	36	51	17.9	14	19	56	.50	.085	35	57	.89	184	.09	32	1.87	.06	.13	11	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
223462	2	124	3	62	.2	43	13	1059	3.63	<2	<5	<2	<2	77	.4	<2	<2	64	1.44	.048	16	55	.67	211	.10	4	2.81	.04	.19	<1	7
223463	1	12	<2	23	<.1	15	6	211	1.81	3	<5	<2	2	30	.2	<2	<2	44	.40	.011	13	29	.38	77	.13	2	1.00	.04	.04	1	3
223464	<1	17	2	24	<.1	19	6	199	2.13	<2	<5	<2	2	22	<.2	<2	<2	47	.33	.042	7	28	.38	94	.12	2	1.17	.02	.05	1	2
223465	<1	31	2	36	<.1	28	9	365	2.79	2	<5	<2	3	28	<.2	<2	<2	58	.39	.053	10	39	.60	113	.14	3	1.70	.02	.11	<1	3
223466	<1	18	<2	18	<.1	16	5	193	2.57	2	<5	<2	<2	22	<.2	<2	<2	58	.32	.044	5	24	.38	64	.09	2	.89	.02	.03	<1	3
223467	<1	13	3	20	<.1	16	5	127	2.14	2	<5	<2	<2	19	<.2	<2	<2	47	.23	.030	5	23	.24	67	.09	3	1.02	.02	.05	<1	1
223468	<1	23	<2	66	.2	15	7	212	2.81	<2	<5	<2	2	23	.2	<2	<2	59	.33	.166	5	23	.41	75	.08	3	1.80	.02	.03	<1	<1
RE 223469	<1	16	3	19	.4	10	3	149	1.52	2	<5	<2	2	21	<.2	3	2	38	.31	.013	7	20	.30	43	.10	2	.87	.02	.04	<1	3
223469	<1	16	<2	18	<.1	9	3	142	1.46	<2	<5	<2	<2	20	<.2	<2	<2	36	.30	.013	6	19	.28	42	.10	2	.84	.02	.03	<1	4
223470	1	13	2	51	<.1	14	7	142	3.05	2	<5	<2	<2	13	<.2	<2	<2	63	.18	.093	4	25	.24	61	.08	3	1.81	.02	.03	<1	17
--3471	<1	17	<2	35	<.1	23	8	168	3.45	<2	<5	<2	<2	22	<.2	<2	<2	69	.30	.100	6	34	.33	96	.10	4	1.84	.02	.05	<1	2
223472	1	15	4	36	.1	19	6	150	2.43	2	<5	<2	2	27	<.2	<2	3	50	.29	.069	8	31	.31	95	.11	3	1.69	.02	.07	<1	<1
223473	<1	55	2	39	<.1	25	8	245	2.80	3	<5	<2	2	34	<.2	2	<2	58	.30	.061	9	42	.58	150	.13	4	2.90	.02	.07	<1	4
223474	<1	15	2	30	<.1	20	7	178	2.24	<2	<5	<2	2	24	<.2	<2	<2	48	.29	.037	8	31	.40	115	.12	3	1.62	.02	.07	<1	4
223475	<1	36	3	27	<.1	17	6	215	2.23	<2	<5	<2	2	22	<.2	<2	<2	53	.36	.034	8	33	.41	63	.12	2	1.01	.03	.07	<1	<1
223476	1	30	3	60	<.1	18	8	276	2.72	<2	<5	<2	<2	16	<.2	<2	<2	60	.27	.044	6	38	.50	71	.14	2	1.54	.02	.09	<1	1
223477	1	41	2	37	.2	20	7	196	2.32	2	<5	<2	2	21	<.2	2	<2	54	.30	.030	6	30	.39	71	.13	3	1.22	.03	.05	1	4
223478	1	43	3	31	.2	17	7	216	2.43	2	<5	<2	2	17	<.2	<2	<2	56	.31	.033	6	32	.40	60	.12	2	1.09	.02	.09	<1	15
223479	<1	22	<2	40	.2	17	7	161	2.80	2	<5	<2	2	18	<.2	<2	<2	58	.26	.095	6	28	.30	61	.10	3	1.57	.02	.05	1	<1
223480	1	50	3	94	.2	21	11	469	3.31	<2	<5	<2	<2	30	.2	<2	<2	71	.34	.079	7	35	.50	132	.14	4	2.23	.03	.09	<1	<1
223481	2	184	2	46	.3	20	7	455	2.82	3	<5	<2	2	48	.3	<2	<2	67	.80	.055	15	38	.59	147	.11	3	2.07	.04	.10	1	12
223482	34	303	4	36	.9	14	8	1815	3.76	4	<5	<2	<2	77	.4	<2	<2	75	1.39	.123	12	25	.26	183	.05	6	1.68	.04	.04	1	12
223483	2	30	3	45	.4	18	6	200	1.87	2	5	<2	3	19	<.2	2	<2	42	.37	.055	7	28	.40	81	.11	3	1.51	.03	.07	1	3
223484	2	20	2	27	<.1	13	6	277	2.04	<2	<5	<2	2	29	<.2	<2	<2	51	.53	.040	8	29	.40	67	.12	2	.90	.04	.06	<1	1
223486	3	733	5	154	1.2	9	15	1491	5.59	11	<5	<2	2	38	.4	<2	<2	115	1.13	.201	26	11	.65	123	.04	9	1.48	.03	.19	<1	51
223487	1	40	2	53	<.1	16	8	282	2.42	<2	<5	<2	<2	22	<.2	<2	<2	56	.44	.030	8	25	.48	62	.16	2	1.30	.03	.08	<1	<1
223488	1	36	2	41	<.1	18	7	374	2.19	<2	<5	<2	<2	32	<.2	<2	<2	47	.46	.034	11	32	.47	82	.14	2	1.14	.04	.07	<1	4
223489	7	43	3	52	.3	7	2	241	.30	2	<5	<2	<2	97	1.4	2	<2	7	2.59	.033	2	4	.14	58	.01	7	.16	.02	.03	<1	<1
'8001	1	259	4	38	.2	8	2	285	.54	<2	<5	<2	<2	219	.4	<2	<2	20	2.95	.109	21	8	.20	97	.01	5	.78	.04	.04	<1	23
-28002	<1	71	3	55	.3	12	10	420	3.00	4	<5	<2	3	80	<.2	<2	<2	85	.95	.089	11	18	.74	83	.17	5	1.75	.05	.12	<1	6
228003	1	58	4	77	<.1	16	10	362	3.09	3	<5	<2	2	37	.2	<2	<2	72	.44	.074	8	23	.68	70	.17	5	1.70	.03	.08	<1	5
228004	<1	64	3	47	.1	19	8	317	3.09	2	<5	<2	2	44	<.2	<2	<2	75	.48	.060	9	22	.52	113	.16	4	1.75	.03	.08	<1	5
228005	1	48	4	39	.3	20	8	315	2.80	4	6	<2	4	38	<.2	<2	<2	72	.48	.059	10	23	.61	106	.17	4	1.35	.03	.07	1	4
228006	1	63	3	47	.1	16	8	342	3.10	4	<5	<2	2	40	<.2	2	<2	78	.51	.056	8	24	.55	83	.16	4	1.30	.03	.06	1	6
228007	1	56	6	43	<.1	13	5	221	2.09	<2	<5	<2	2	33	<.2	<2	<2	51	.37	.038	8	21	.45	105	.15	3	2.05	.02	.05	<1	4
STANDARD C/AU-S	18	59	38	125	7.4	71	30	1036	3.97	39	22	7	36	52	18.1	14	19	59	.51	.086	40	59	.91	184	.09	35	1.89	.09	.16	11	53

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228110	<1	192	3	55	.3	11	12	613	3.58	11	<5	<2	2	65	.2	2	<2	98	.77	.070	10	17	1.00	84	.19	5	2.07	.03	.09	2	18
228111	<1	170	2	32	<.1	6	6	254	2.58	2	<5	<2	<2	50	.2	<2	<2	70	.46	.016	7	14	.40	41	.15	3	1.08	.03	.04	1	24
228112	<1	51	4	36	.2	13	7	290	2.76	5	<5	<2	3	72	.2	<2	<2	71	.71	.071	10	21	.53	231	.15	4	1.21	.04	.07	1	29
228113	<1	93	3	59	.3	18	11	419	3.84	5	<5	<2	5	92	<.2	2	<2	79	.68	.085	15	26	.61	278	.18	4	3.08	.04	.09	1	54
228114	<1	57	5	50	.3	10	8	275	2.94	2	<5	<2	4	75	.2	<2	<2	68	.52	.043	10	19	.40	184	.19	3	1.81	.05	.04	1	28
228115	<1	94	5	57	.2	14	10	458	3.68	2	<5	<2	5	118	<.2	<2	<2	81	.82	.050	13	26	.73	237	.18	5	2.41	.06	.12	<1	21
228116	1	91	4	40	.3	7	2	47	.51	<2	<5	<2	2	433	.2	2	<2	18	2.42	.054	4	5	.19	141	.02	6	.49	.04	.01	1	15
228117	1	238	3	32	.6	17	6	442	1.66	4	<5	<2	<2	238	.5	<2	<2	33	1.75	.118	27	21	.30	226	.02	3	2.44	.03	.04	1	11
228118	<1	68	4	50	<.1	17	8	265	2.69	<2	<5	<2	3	53	<.2	<2	<2	61	.57	.088	12	24	.59	176	.19	2	2.56	.04	.08	1	12
228119	<1	91	3	55	.4	23	14	538	4.35	14	6	<2	6	138	<.2	<2	<2	86	.95	.247	22	37	.82	246	.15	5	2.90	.06	.17	<1	13
[illegible]120	1	163	3	66	.2	23	17	785	4.96	6	<5	<2	5	122	<.2	<2	<2	112	1.01	.109	21	34	1.00	302	.19	7	3.50	.06	.17	<1	29
228121	<1	62	3	46	.3	12	7	282	2.70	5	5	<2	4	55	.3	2	<2	66	.62	.097	12	21	.57	121	.19	4	1.88	.04	.08	1	18
228151	2	23	4	53	<.1	10	7	436	2.47	3	<5	<2	<2	41	<.2	<2	<2	55	.41	.077	7	21	.37	54	.14	4	1.57	.03	.06	<1	31
RE 228151	2	23	3	52	.2	9	7	431	2.46	2	<5	<2	2	40	.2	<2	<2	55	.40	.076	7	21	.36	53	.13	3	1.57	.03	.05	<1	58
228152	1	36	2	78	<.1	13	12	749	3.19	<2	<5	<2	2	43	.2	<2	<2	75	.51	.076	7	24	1.03	72	.19	4	2.15	.03	.09	<1	2
228153	<1	32	3	56	<.1	9	7	337	2.47	<2	<5	<2	<2	49	<.2	<2	<2	65	.56	.027	6	22	.50	49	.16	3	1.44	.03	.06	<1	7
228154	1	13	3	154	.2	15	14	1616	3.63	3	<5	<2	<2	60	.2	<2	<2	64	.77	.184	5	24	.89	163	.13	5	2.47	.02	.07	<1	43
228155	<1	19	4	38	<.1	15	6	230	2.24	<2	<5	<2	2	32	<.2	<2	<2	54	.44	.040	10	31	.45	62	.14	3	1.36	.04	.08	<1	4
228156	2	59	<2	63	.2	21	13	454	3.71	2	<5	<2	2	73	.2	<2	<2	97	.72	.017	5	41	1.01	64	.21	5	2.39	.06	.10	<1	3
228157	5	536	4	48	1.1	18	3	167	.80	2	9	<2	2	160	.5	3	2	39	3.87	.069	26	11	.33	68	.02	6	.89	.03	.05	1	41
228158	6	76	60	68	.5	9	5	569	.69	<2	<5	<2	<2	115	.5	<2	<2	21	2.45	.031	3	7	.25	59	.01	6	.34	.03	.04	<1	34
228159	11	531	3	49	1.0	22	2	438	.93	<2	5	<2	3	188	.7	<2	<2	73	4.30	.048	15	27	.38	175	.04	6	1.46	.03	.05	1	38
228160	1	53	3	69	.3	21	8	204	2.39	<2	<5	<2	3	30	.2	2	<2	54	.41	.055	8	32	.43	92	.13	3	1.56	.03	.07	1	4
228161	<1	173	<2	162	.2	13	21	972	4.82	4	<5	<2	2	33	<.2	3	<2	105	.91	.104	12	19	1.77	57	.28	5	2.27	.03	.27	<1	3
228162	<1	39	<2	71	.1	14	9	447	3.19	2	<5	<2	2	25	.2	<2	<2	71	.46	.058	8	24	.87	61	.19	3	1.53	.03	.18	<1	2
228163	1	21	4	40	.2	14	8	325	2.21	3	8	<2	4	33	<.2	3	<2	56	.51	.067	11	31	.44	74	.14	3	.88	.05	.05	1	5
228164	<1	25	4	47	.3	18	7	206	2.47	3	6	<2	4	25	.2	3	<2	57	.37	.069	9	33	.42	70	.13	3	1.54	.03	.05	1	3
228165	<1	53	<2	63	<.1	24	11	334	3.01	3	<5	<2	2	27	.2	<2	<2	74	.43	.048	8	45	.68	96	.16	2	1.68	.03	.05	1	1
3166	1	77	<2	52	.1	25	14	293	3.13	8	<5	<2	3	33	.2	<2	<2	74	.35	.049	9	59	.89	116	.21	2	2.10	.03	.27	1	1
[illegible]8167	<1	91	4	33	.1	11	5	133	1.97	<2	<5	<2	2	25	<.2	<2	<2	50	.32	.022	6	27	.26	42	.12	2	1.37	.03	.05	<1	1
228168	<1	158	6	63	.5	53	17	910	5.40	<2	<5	<2	5	66	<.2	<2	2	112	.99	.027	18	79	.88	259	.18	5	5.50	.05	.27	<1	2
228169	1	250	8	56	.4	26	7	263	2.27	3	<5	<2	2	66	.4	<2	<2	48	1.79	.061	21	30	.41	116	.09	4	2.03	.05	.09	1	5
228170	1	200	8	79	.6	40	18	2200	4.59	3	<5	<2	2	70	.6	<2	<2	110	1.26	.039	14	64	.56	221	.13	6	3.92	.05	.17	<1	8
228171	<1	11	5	43	.2	10	4	128	2.13	4	<5	<2	3	22	.2	4	3	48	.29	.109	7	27	.17	70	.12	3	1.05	.02	.06	3	1
228172	1	45	4	77	.3	23	11	420	3.43	3	<5	<2	3	31	.3	<2	<2	82	.59	.092	7	37	.78	83	.15	3	2.14	.05	.10	<1	4
STANDARD C/AU-S	17	60	37	125	6.7	70	30	987	3.99	41	18	7	37	52	17.9	14	19	59	.50	.086	41	58	.90	184	.09	38	1.89	.08	.16	11	53

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228173	<1	30	4	260	.1	23	13	1001	3.83	3	<5	<2	2	16	<.2	<2	<2	95	.57	.047	7	56	1.31	76	.21	<2	1.80	.01	.14	<1	1
228174	71	150	5	69	.3	6	7	279	2.76	9	<5	<2	2	10	.3	2	<2	45	.14	.089	3	9	.11	122	.01	3	1.40	.01	.04	1	7
228175	<1	37	4	34	.1	22	7	329	2.23	6	<5	<2	<2	36	.4	<2	<2	46	.69	.019	10	32	.31	107	.11	3	1.38	.02	.07	<1	1
228176	<1	15	8	34	.1	16	6	268	1.80	5	<5	<2	<2	21	.4	<2	<2	38	.29	.025	7	24	.23	80	.10	3	1.13	.02	.05	<1	<1
228177	1	212	7	49	.6	32	10	796	3.79	2	<5	<2	4	40	.4	<2	<2	59	.80	.020	13	50	.57	155	.14	<2	3.19	.02	.15	1	2
228178	<1	128	5	113	.2	24	15	725	3.95	4	<5	<2	<2	27	.3	<2	<2	77	.70	.049	6	39	1.20	85	.16	3	2.18	.02	.17	<1	<1
228179	<1	29	5	60	.2	11	6	211	2.13	3	<5	<2	<2	12	<.2	<2	<2	48	.22	.022	4	21	.33	33	.12	<2	.96	.01	.04	<1	<1
228180	<1	185	<2	181	.3	9	20	1155	5.80	3	<5	<2	<2	15	.2	<2	<2	126	.56	.137	5	6	2.11	174	.33	<2	2.40	.01	1.00	<1	<1
228181	1	31	6	114	.3	26	9	239	3.35	2	<5	<2	2	20	.2	<2	2	66	.33	.134	5	32	.44	98	.15	3	2.12	.01	.08	<1	<1
228182	<1	23	8	149	.3	28	15	515	4.41	2	<5	<2	<2	69	.5	<2	<2	95	.52	.116	3	103	1.24	48	.12	2	2.88	.01	.07	<1	<1
[illegible]183	<1	34	5	48	.1	18	8	281	2.40	<2	<5	<2	2	18	.4	<2	2	53	.33	.030	6	29	.49	68	.13	2	1.27	.02	.06	<1	<1
228184	3	73	5	20	.1	14	5	184	2.17	3	<5	<2	<2	28	.2	<2	<2	52	.37	.010	7	25	.19	64	.12	<2	.89	.01	.09	<1	3
RE 228184	3	73	2	18	.1	13	4	183	2.23	3	<5	<2	<2	29	.3	<2	<2	53	.37	.010	7	25	.19	67	.12	3	.91	.01	.10	<1	<1
228185	1	48	3	51	.3	16	7	426	2.17	<2	<5	<2	<2	24	.5	<2	<2	47	.47	.023	7	29	.41	59	.12	2	1.17	.02	.05	<1	<1
228186	1	88	4	34	<.1	17	6	220	2.25	4	<5	<2	<2	22	.2	<2	4	52	.44	.016	5	35	.46	43	.14	4	1.23	.02	.05	1	<1
228187	2	110	8	91	.1	29	13	387	3.40	3	<5	<2	2	24	<.2	<2	<2	68	.46	.110	5	43	.63	100	.16	<2	3.39	.02	.07	<1	1
228188	<1	45	3	87	.1	23	10	340	2.68	7	<5	<2	2	25	<.2	<2	2	54	.44	.077	5	39	.53	76	.14	<2	2.20	.02	.06	<1	1
228189	1	104	<2	117	.1	30	19	712	4.36	5	<5	<2	<2	21	<.2	<2	<2	106	.42	.052	4	47	1.55	87	.23	<2	2.07	.02	.45	<1	<1
228190	<1	83	3	87	.1	19	8	279	2.52	6	<5	<2	2	20	<.2	<2	<2	54	.32	.040	6	32	.37	90	.12	3	1.51	.02	.06	<1	<1
228191	<1	29	2	38	<.1	21	7	284	2.43	4	<5	<2	2	22	<.2	2	<2	55	.45	.070	6	30	.48	81	.11	2	1.14	.02	.05	<1	<1
228192	<1	31	4	76	<.1	23	10	288	2.76	2	<5	<2	2	21	.4	<2	<2	56	.35	.075	5	27	.52	83	.14	2	1.99	.02	.08	<1	<1
228193	<1	29	2	43	.3	13	6	345	2.02	3	<5	<2	<2	30	.4	2	<2	45	.35	.067	6	24	.25	63	.10	3	1.02	.01	.04	<1	98
228194	<1	30	4	40	<.1	14	7	233	1.68	3	<5	<2	<2	23	<.2	<2	<2	41	.45	.033	6	29	.53	48	.13	<2	1.21	.02	.04	<1	3
228195	<1	60	5	31	.1	17	6	285	2.01	<2	<5	<2	2	25	<.2	<2	<2	52	.42	.032	8	28	.40	55	.13	<2	1.16	.02	.06	<1	<1
228196	<1	272	<2	86	.2	13	14	563	3.40	3	<5	<2	<2	29	<.2	2	<2	83	.42	.032	3	28	1.05	43	.21	2	1.85	.02	.04	<1	<1
228197	1	44	6	39	<.1	13	7	286	2.18	2	<5	<2	<2	27	.3	<2	2	50	.36	.026	5	25	.39	50	.13	3	1.36	.02	.04	<1	44
228199	<1	49	5	49	.1	10	9	419	2.61	3	<5	<2	2	32	.2	2	<2	62	.49	.084	6	32	.70	90	.16	4	2.81	.02	.07	<1	4
8200	<1	64	4	60	.1	21	9	337	2.93	4	<5	<2	2	33	<.2	<2	2	64	.42	.038	6	35	.65	217	.16	<2	2.39	.02	.07	<1	2
[illegible]28201	<1	44	<2	47	.1	16	8	270	2.66	3	<5	<2	2	31	.4	<2	<2	59	.48	.071	6	34	.51	63	.13	2	1.71	.02	.05	<1	1
228202	1	143	3	47	.1	13	8	451	2.72	<2	<5	<2	2	44	.4	2	<2	70	.80	.031	9	37	.74	52	.17	2	1.59	.03	.09	<1	1
228203	<1	68	<2	47	.1	15	8	314	2.74	4	<5	<2	2	34	<.2	<2	<2	62	.45	.038	6	32	.53	74	.15	3	1.65	.02	.05	<1	2
228204	<1	37	2	43	<.1	19	10	390	2.52	7	<5	<2	2	28	.2	<2	<2	62	.60	.047	7	36	.70	49	.15	<2	1.53	.02	.05	<1	3
228205	<1	45	5	41	.1	31	9	267	3.25	6	<5	<2	2	26	.2	<2	<2	70	.39	.046	6	39	.53	122	.13	3	1.91	.02	.06	<1	2
228206	<1	31	3	28	.1	21	6	197	2.19	3	<5	<2	2	23	.3	<2	2	48	.36	.033	8	29	.40	78	.13	2	1.28	.02	.04	<1	3
STANDARD C/AU-S	17	60	39	122	6.9	65	29	1055	3.93	37	17	7	35	52	18.6	14	22	54	.51	.085	38	57	.91	182	.09	32	1.87	.06	.14	11	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228207	3	76	<2	55	.1	17	13	769	3.23	<2	<5	<2	2	33	.2	<2	<2	70	.50	.019	11	39	.53	114	.14	<2	2.12	.02	.07	<1	2
228208	2	50	<2	61	.1	20	11	586	3.11	8	<5	<2	<2	37	<.2	<2	<2	68	.56	.034	10	34	.46	100	.12	4	2.05	.02	.07	<1	<1
228209	2	59	<2	77	.3	11	8	463	3.05	9	<5	<2	<2	39	<.2	<2	<2	62	.50	.022	5	20	.51	41	.13	5	2.02	.01	.06	1	<1
228210	<1	31	2	79	.1	13	8	330	2.71	3	<5	<2	2	28	<.2	<2	<2	52	.41	.151	6	25	.49	77	.11	4	1.89	.01	.05	<1	<1
228211	<1	67	<2	53	.1	12	9	632	2.74	11	<5	<2	2	54	<.2	<2	<2	68	.63	.072	7	26	.83	83	.15	3	1.82	.02	.09	<1	4
228212	1	22	5	61	.1	7	5	269	1.45	4	<5	<2	<2	37	<.2	<2	<2	41	.47	.035	6	17	.49	39	.16	3	1.14	.02	.04	1	<1
228213	1	19	<2	92	.1	15	8	526	2.69	5	<5	<2	<2	26	<.2	<2	<2	54	.32	.063	5	24	.40	86	.14	3	2.20	.02	.05	<1	<1
228214	1	26	6	119	<.1	12	8	1200	2.80	5	<5	<2	<2	28	.6	<2	<2	49	.34	.236	5	25	.41	122	.12	<2	2.09	.02	.06	1	<1
228215	1	231	<2	63	.2	12	9	815	2.72	2	<5	<2	<2	36	.2	<2	2	63	.60	.022	10	27	.60	102	.14	<2	2.01	.02	.06	<1	<1
228216	1	22	<2	32	<.1	15	7	212	2.45	2	<5	<2	2	21	<.2	<2	<2	55	.30	.049	6	28	.31	71	.12	2	1.20	.02	.04	<1	<1
[illegible]217	<1	21	<2	35	.1	15	6	315	1.86	5	<5	<2	2	24	.2	<2	<2	44	.41	.030	7	27	.42	64	.12	<2	.99	.02	.05	<1	<1
228218	<1	17	<2	27	<.1	16	6	237	1.95	5	<5	<2	3	29	<.2	<2	<2	47	.41	.041	9	29	.45	68	.13	2	1.04	.02	.05	<1	2
228219	1	22	<2	60	<.1	11	7	384	1.44	6	<5	<2	2	21	<.2	<2	<2	37	.39	.031	6	21	.43	38	.14	4	1.05	.02	.04	<1	2
228220	1	47	4	67	.2	21	10	265	2.93	2	<5	<2	2	25	<.2	<2	2	57	.43	.095	8	39	.49	107	.13	2	2.18	.02	.08	<1	1
228221	1	36	<2	43	.1	20	10	252	2.69	5	<5	<2	2	21	.2	<2	3	58	.37	.042	7	39	.55	51	.14	<2	1.41	.02	.06	<1	2
228222	1	119	8	137	.3	21	13	581	3.07	6	<5	<2	2	22	.5	<2	<2	53	.52	.128	4	31	.65	76	.15	3	2.63	.03	.09	<1	<1
228223	<1	93	<2	100	.2	18	12	590	3.13	4	<5	<2	2	26	.4	<2	2	62	.53	.086	6	31	.82	92	.17	2	2.43	.02	.09	<1	1
228224	<1	22	<2	33	.1	19	7	159	2.25	3	<5	<2	2	25	.5	<2	<2	48	.32	.039	6	28	.31	85	.12	4	1.47	.01	.04	<1	<1
228225	<1	21	<2	28	.1	17	6	197	2.21	4	<5	<2	2	22	.3	<2	4	47	.35	.041	6	26	.35	71	.11	2	1.13	.02	.04	<1	<1
228226	<1	27	<2	21	<.1	19	6	161	2.12	6	<5	<2	2	24	<.2	<2	<2	47	.36	.041	5	24	.31	60	.09	4	1.05	.01	.04	<1	<1
228227	1	15	5	75	.3	17	10	381	3.24	11	<5	<2	<2	15	.3	<2	<2	91	.39	.077	2	40	.91	75	.20	<2	1.29	.04	.07	<1	<1
228228	<1	168	2	160	.4	38	19	675	5.35	8	<5	<2	<2	13	.2	<2	<2	134	.37	.068	3	65	1.47	53	.24	2	2.36	.01	.06	<1	<1
228229	<1	20	<2	39	.1	16	7	195	2.40	2	<5	<2	2	23	<.2	<2	<2	52	.37	.034	6	27	.32	63	.12	<2	1.24	.02	.05	<1	1
228230	<1	25	<2	49	.1	13	7	235	2.38	8	<5	<2	2	22	<.2	<2	<2	53	.37	.043	7	26	.46	72	.14	2	1.27	.02	.04	<1	8
RE 228230	<1	27	<2	51	.1	14	8	238	2.33	6	<5	<2	2	23	<.2	<2	<2	51	.37	.044	7	27	.47	76	.14	3	1.29	.02	.04	<1	3
228231	1	77	<2	120	.2	18	15	665	4.01	7	<5	<2	<2	25	.3	<2	<2	88	.47	.108	4	50	1.57	70	.24	<2	2.98	.02	.08	<1	1
228232	<1	9	<2	32	.2	5	2	148	1.28	3	<5	<2	<2	14	<.2	<2	<2	34	.33	.013	4	15	.10	32	.09	<2	.49	.01	.03	<1	<1
228233	1	29	7	83	.2	17	10	315	3.45	5	<5	<2	2	19	<.2	<2	<2	75	.33	.034	4	31	.57	73	.17	2	1.93	.02	.05	<1	<1
9234	<1	230	7	50	.8	38	11	921	3.02	5	<5	<2	<2	80	.5	2	2	52	1.85	.054	21	59	.66	181	.10	4	2.65	.03	.17	1	4
[illegible]28235	1	34	7	83	.1	20	10	454	2.79	8	<5	<2	<2	24	.5	<2	2	57	.44	.044	9	31	.54	149	.14	4	1.73	.02	.06	<1	<1
228236	<1	16	4	36	.2	15	7	224	2.03	9	<5	<2	2	24	<.2	2	2	41	.37	.024	7	29	.28	82	.13	2	1.24	.02	.05	<1	5
228237	<1	26	4	24	.1	16	6	248	2.18	7	<5	<2	2	24	.2	<2	3	43	.48	.014	7	30	.43	85	.10	<2	1.00	.02	.06	<1	3
228238	1	23	<2	27	.2	13	5	179	1.77	3	<5	<2	2	22	<.2	<2	<2	42	.37	.017	10	25	.30	58	.11	<2	.95	.02	.05	<1	3
228239	<1	19	<2	30	<.1	15	6	185	2.00	4	<5	<2	2	20	.3	<2	<2	45	.31	.025	7	26	.35	71	.12	<2	1.05	.02	.05	<1	5
228240	1	19	2	57	.1	15	7	186	2.38	5	<5	<2	<2	23	.4	2	5	50	.34	.098	5	24	.28	66	.12	2	1.52	.01	.05	1	3
STANDARD C/AU-S	17	60	38	123	6.9	68	30	1050	3.92	44	20	7	35	52	18.6	14	18	54	.50	.086	38	58	.91	182	.09	33	1.88	.06	.14	10	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228241	1	34	3	66	.1	13	8	356	2.61	2	<5	<2	2	17	<.2	<2	<2	51	.29	.059	6	23	.44	73	.12	2	1.43	.01	.04	<1	3
228242	1	33	3	66	.1	15	7	314	2.31	6	<5	<2	2	21	<.2	2	<2	45	.36	.058	7	21	.36	94	.12	3	1.52	.02	.05	1	2
228243	1	27	<2	55	<.1	15	7	269	2.47	2	<5	<2	2	25	.2	<2	<2	49	.47	.082	7	24	.37	58	.12	3	1.39	.02	.05	1	3
228244	1	60	3	109	.2	14	9	367	2.26	3	<5	<2	<2	33	<.2	<2	2	46	.75	.073	5	38	.52	86	.12	4	1.22	.03	.07	<1	5
228245	1	43	3	140	.2	15	9	335	2.13	4	<5	<2	<2	30	<.2	<2	2	43	.78	.083	4	45	.52	95	.14	3	1.12	.03	.07	<1	3
RE 228245	1	43	2	144	.2	16	8	344	2.16	<2	<5	<2	<2	31	.4	<2	<2	44	.79	.085	4	45	.53	93	.15	3	1.16	.03	.07	1	2
228246	<1	7	2	32	.1	9	5	124	1.34	<2	<5	<2	<2	12	.2	2	3	37	.33	.026	2	33	.53	25	.15	<2	.74	.03	.07	1	1
228247	1	55	<2	96	.2	29	11	208	3.03	<2	<5	<2	2	46	.2	<2	<2	67	.58	.162	8	46	.68	61	.15	4	3.46	.03	.04	1	<1
228248	1	73	<2	61	.1	33	8	262	2.31	7	<5	<2	2	26	.2	<2	<2	50	.52	.026	6	72	.78	56	.17	3	1.78	.02	.04	1	<1
228249	1	229	2	88	.3	28	15	352	3.91	5	<5	<2	2	53	.3	<2	<2	80	.87	.060	6	45	.71	123	.18	3	3.93	.02	.07	<1	1
[illegible]250	1	133	5	102	<.1	17	19	758	5.17	4	<5	<2	<2	16	.9	<2	<2	144	.43	.093	4	28	1.64	45	.26	3	2.33	.01	.21	<1	2
228252	1	28	2	54	.1	15	8	196	2.73	2	<5	<2	<2	18	<.2	<2	<2	57	.28	.054	4	28	.31	51	.14	4	1.64	.02	.04	2	3
228253	<1	27	<2	45	.1	20	8	230	2.46	6	<5	<2	<2	20	.6	<2	<2	49	.33	.076	6	28	.35	82	.10	5	1.30	.02	.04	2	2
228254	<1	24	<2	32	.1	18	8	203	2.31	7	<5	<2	2	22	.2	<2	2	51	.31	.057	7	27	.38	53	.12	4	1.35	.02	.05	2	5
228255	1	36	<2	44	.1	12	7	308	1.90	<2	<5	<2	<2	29	<.2	<2	<2	47	.48	.031	7	25	.54	60	.14	3	1.48	.02	.04	1	2
228256	1	18	<2	41	.1	11	4	207	2.20	4	<5	<2	<2	23	.4	2	<2	47	.41	.066	6	27	.31	83	.13	4	1.02	.02	.06	1	6
228257	<1	30	4	27	.1	15	5	227	1.87	<2	<5	<2	<2	25	<.2	2	2	44	.43	.037	8	26	.40	44	.12	5	.99	.02	.04	1	8
228258	2	61	2	120	.1	23	12	528	3.29	6	<5	<2	<2	29	<.2	2	<2	69	.48	.046	5	42	.68	99	.15	5	2.11	.02	.07	<1	20
228259	<1	33	<2	48	.1	15	7	262	2.38	2	<5	<2	<2	25	.3	2	<2	55	.40	.061	6	28	.50	66	.14	2	1.47	.02	.06	1	5
228260	2	17	2	24	.1	8	4	121	2.30	6	<5	<2	<2	26	<.2	<2	<2	70	.27	.011	4	23	.22	49	.13	3	1.11	.02	.03	1	5
228261	1	17	<2	66	.2	16	8	158	3.47	2	<5	<2	<2	15	1.2	<2	2	77	.20	.080	4	32	.21	77	.12	3	2.10	.02	.04	2	4
228262	1	17	<2	46	.2	12	6	188	2.90	4	<5	<2	<2	18	.2	2	<2	65	.26	.030	4	24	.25	73	.12	4	1.41	.01	.04	<1	7
228264	1	58	<2	72	.3	30	9	250	3.47	<2	<5	<2	2	39	.2	<2	<2	64	.64	.092	8	42	.46	139	.13	2	2.95	.02	.08	1	3
228265	1	25	<2	66	.2	23	9	273	2.52	4	<5	<2	<2	25	.3	<2	<2	52	.39	.021	4	27	.31	123	.14	5	1.74	.02	.07	1	<1
228266	1	51	<2	38	.3	22	6	293	2.36	7	<5	<2	<2	51	.2	2	<2	48	.56	.034	11	30	.38	117	.10	5	1.65	.02	.06	1	5
228267	1	12	<2	54	.1	18	7	206	2.31	4	<5	<2	2	21	.4	<2	<2	43	.33	.093	6	27	.32	64	.10	3	1.63	.02	.05	2	4
228268	<1	14	5	28	.1	16	5	159	2.02	<2	<5	<2	2	19	<.2	<2	<2	43	.26	.044	6	25	.30	64	.10	<2	1.18	.01	.03	1	2
228269	1	47	5	83	.2	18	12	367	4.05	2	<5	<2	<2	16	<.2	2	<2	105	.29	.064	3	34	.89	46	.21	4	2.05	.01	.04	1	1
[illegible]9270	1	142	3	115	.2	14	10	596	3.05	7	<5	<2	<2	56	.5	<2	<2	69	1.02	.119	4	30	.74	54	.15	3	2.42	.04	.08	1	4
[illegible]28271	<1	136	<2	90	.1	16	14	454	4.08	3	<5	<2	<2	26	.2	<2	2	84	.64	.092	6	26	1.10	79	.20	2	2.40	.02	.13	1	9
228272	1	109	<2	101	.1	31	16	470	3.34	4	<5	<2	2	29	<.2	<2	<2	71	.85	.104	6	66	1.08	97	.16	5	2.94	.03	.07	1	5
228273	<1	102	2	108	.2	23	14	447	3.62	5	<5	<2	<2	24	.5	<2	<2	74	.52	.129	4	55	.85	77	.16	3	2.29	.03	.07	1	1
228274	<1	615	<2	118	1.1	18	7	363	2.57	8	<5	<2	<2	29	.4	<2	4	47	1.47	.079	4	42	.56	59	.09	3	1.79	.01	.06	1	57
228275	<1	240	<2	184	.3	15	18	584	3.57	9	<5	<2	<2	24	.4	<2	<2	82	.80	.087	3	39	1.41	59	.22	4	1.99	.02	.15	1	4
228276	<1	35	2	86	.2	20	9	367	3.23	2	<5	<2	<2	20	<.2	<2	2	68	.44	.057	5	41	.64	71	.12	<2	1.56	.01	.06	1	<1
STANDARD C/AU-S	17	62	38	128	6.8	68	29	1047	3.91	37	21	7	35	52	18.6	14	22	54	.50	.086	38	58	.91	182	.09	33	1.87	.06	.14	10	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228277	<1	84	3	84	.2	27	11	343	4.39	6	<5	<2	<2	22	<.2	<2	<2	81	.46	.090	3	59	.85	89	.15	2	2.20	.02	.08	<1	8
228278	<1	45	<2	129	.1	28	18	466	4.75	6	<5	<2	<2	24	<.2	<2	<2	85	.95	.078	4	82	1.58	57	.27	4	2.50	.02	.31	<1	5
228279	<1	75	2	111	.5	22	13	456	3.84	10	<5	<2	<2	35	.2	<2	<2	69	.68	.057	4	42	.92	94	.16	<2	2.56	.02	.07	1	2
228280	<1	29	4	76	.2	19	8	269	3.18	18	<5	<2	4	24	<.2	<2	<2	54	.48	.051	6	30	.53	90	.13	<2	1.92	.02	.06	<1	<1
228281	<1	208	5	62	.7	41	9	769	3.93	2	<5	<2	2	50	.5	<2	<2	58	.97	.058	17	67	.63	279	.14	<2	3.21	.03	.21	<1	2
228282	3	100	3	38	.1	14	9	604	3.20	10	<5	<2	<2	35	.2	<2	<2	58	.55	.021	10	32	.44	75	.12	2	1.63	.02	.06	<1	4
228283	1	101	4	53	<.1	21	9	502	3.22	9	<5	<2	<2	36	<.2	<2	<2	58	.68	.060	10	36	.63	105	.14	<2	1.83	.02	.09	<1	1
228284	<1	19	4	48	<.1	18	6	288	2.17	11	<5	<2	2	27	.2	<2	<2	38	.49	.027	11	34	.44	173	.13	<2	1.47	.02	.06	<1	1
228285	<1	23	4	41	.2	18	7	212	2.49	7	<5	<2	2	21	<.2	<2	<2	45	.40	.038	6	29	.42	80	.14	<2	1.50	.02	.05	<1	<1
228286	<1	39	2	48	.1	19	8	328	2.80	11	<5	<2	2	21	<.2	<2	<2	53	.55	.060	7	30	.61	61	.15	2	1.44	.02	.10	<1	<1
228287	<1	12	<2	25	<.1	20	6	173	2.21	9	<5	<2	<2	17	<.2	<2	<2	41	.31	.041	4	23	.41	53	.09	<2	.98	.01	.04	<1	<1
228288	<1	23	4	47	.2	14	5	194	2.35	10	<5	<2	2	26	<.2	<2	<2	44	.48	.056	9	27	.31	66	.16	2	1.43	.02	.06	<1	<1
228289	1	81	2	81	.2	26	11	431	3.84	7	<5	<2	2	26	<.2	<2	<2	71	.54	.047	6	37	.69	108	.15	3	3.43	.02	.08	<1	<1
228290	<1	21	<2	38	.1	20	7	285	2.51	8	<5	<2	2	25	<.2	<2	<2	48	.36	.053	7	30	.38	75	.12	<2	1.45	.01	.05	<1	<1
228291	1	17	4	43	<.1	12	5	192	2.05	8	<5	<2	<2	22	<.2	<2	<2	42	.33	.034	5	26	.27	54	.13	<2	1.34	.02	.04	<1	3
228292	1	22	3	47	<.1	17	7	222	2.58	8	<5	<2	<2	23	<.2	<2	2	48	.31	.062	5	30	.38	63	.13	2	1.95	.02	.05	1	3
228293	1	111	2	41	.2	16	7	277	2.87	3	<5	<2	2	32	<.2	<2	<2	60	.44	.038	7	36	.60	58	.15	2	2.07	.02	.07	<1	1
228294	1	26	4	55	<.1	18	7	199	2.50	10	<5	<2	<2	24	<.2	<2	<2	48	.34	.082	5	27	.34	69	.12	<2	1.69	.02	.05	1	<1
228295	<1	22	<2	42	.2	20	7	247	2.61	9	<5	<2	3	27	<.2	<2	<2	50	.40	.043	8	33	.47	78	.15	5	1.63	.02	.05	<1	<1
228302	1	40	3	38	.2	24	6	262	2.51	9	<5	<2	2	38	.2	<2	<2	45	.73	.028	10	35	.46	106	.12	2	1.65	.03	.08	<1	3
228303	<1	37	4	74	.3	23	9	279	3.31	5	<5	<2	2	25	<.2	<2	<2	56	.55	.082	7	31	.49	87	.15	<2	2.25	.02	.10	<1	<1
228304	<1	25	<2	37	<.1	16	7	205	2.25	8	<5	<2	2	22	<.2	<2	<2	45	.38	.036	7	35	.43	71	.13	<2	1.27	.02	.06	<1	<1
228305	1	18	3	69	.2	18	7	178	2.44	7	<5	<2	2	18	.2	<2	<2	43	.33	.100	5	29	.33	64	.11	2	1.61	.01	.05	<1	1
228306	1	20	3	42	<.1	5	7	539	2.05	4	<5	<2	<2	23	<.2	<2	<2	46	.69	.039	3	6	.36	46	.12	<2	.89	.02	.06	<1	<1
228307	<1	168	<2	134	.7	18	15	594	4.70	2	<5	<2	<2	38	<.2	<2	<2	98	.93	.090	4	33	1.31	55	.13	3	2.83	.02	.07	<1	<1
228308	<1	1621	2	135	.3	27	16	544	3.84	6	<5	<2	2	21	<.2	<2	<2	69	.82	.061	6	46	1.28	71	.17	3	2.87	.03	.10	<1	7
228309	1	114	2	104	<.1	12	14	803	3.93	7	<5	<2	<2	25	<.2	<2	2	83	1.39	.097	5	20	1.00	68	.17	<2	2.13	.02	.13	<1	<1
228310	1	88	3	133	.1	14	13	1012	3.84	7	<5	<2	<2	31	<.2	<2	<2	71	1.41	.078	7	19	1.19	73	.18	2	2.37	.02	.16	<1	<1
228311	1	125	8	118	.3	11	8	556	3.42	8	<5	<2	<2	25	.2	<2	2	62	.68	.127	6	16	.46	56	.15	<2	2.65	.02	.06	<1	12
228312	<1	35	3	25	<.1	18	7	235	2.09	8	<5	<2	3	21	<.2	<2	<2	42	.36	.026	10	31	.43	49	.11	<2	1.07	.02	.06	<1	<1
228313	1	133	3	31	.1	15	5	181	1.60	6	<5	<2	<2	40	<.2	<2	<2	39	.88	.045	8	22	.33	65	.08	<2	1.18	.02	.04	1	3
RE 228312	1	35	3	24	<.1	18	7	233	2.06	5	<5	<2	3	20	<.2	<2	<2	43	.36	.025	10	29	.42	49	.11	<2	1.04	.02	.06	<1	<1
228314	1	772	4	26	.5	18	3	116	.91	2	19	<2	<2	72	<.2	<2	<2	30	2.15	.056	28	21	.15	85	.04	3	1.06	.02	.03	<1	19
228315	<1	319	5	46	.3	29	9	300	2.86	3	14	<2	2	73	<.2	<2	<2	50	1.69	.066	33	62	.47	214	.08	2	3.35	.02	.12	<1	25
228316	3	80	2	38	.2	14	7	429	2.20	3	<5	<2	<2	39	<.2	<2	<2	47	.71	.042	8	26	.43	102	.07	2	1.43	.02	.05	<1	6
STANDARD C/AU-S	17	57	37	128	6.8	65	30	1027	4.03	39	23	7	35	52	17.9	13	17	56	.51	.086	39	60	.92	184	.08	38	1.94	.07	.14	10	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228317	<1	11	<2	22	<.1	16	5	157	1.77	<2	<5	<2	2	21	<.2	<2	<2	39	.30	.041	7	24	.35	74	.11	2	.94	.02	.04	1	6
228318	<1	8	<2	23	.1	7	4	130	1.38	<2	<5	<2	<2	17	.2	<2	<2	33	.19	.017	5	18	.19	50	.09	2	.87	.02	.04	1	6
228319	<1	7	<2	20	<.1	11	3	150	1.16	<2	<5	<2	<2	18	.3	<2	<2	27	.27	.020	6	19	.27	45	.09	2	.77	.02	.03	<1	2
228320	<1	11	<2	32	.1	19	6	166	2.24	<2	<5	<2	2	19	<.2	4	<2	47	.26	.042	7	32	.33	90	.11	4	1.32	.02	.06	<1	13
228321	<1	8	4	25	<.1	21	5	125	1.91	<2	<5	<2	2	17	<.2	<2	2	40	.25	.031	5	27	.31	83	.09	3	1.08	.01	.05	<1	<1
228322	<1	10	<2	25	<.1	15	4	134	1.64	<2	<5	<2	2	20	<.2	<2	<2	37	.27	.025	7	25	.29	77	.12	2	1.08	.02	.04	<1	3
228323	<1	11	6	30	.1	11	5	203	1.62	<2	<5	<2	<2	27	<.2	<2	<2	34	.31	.032	12	22	.22	65	.10	<2	1.06	.02	.05	<1	1
228324	<1	9	3	26	<.1	10	4	199	1.37	<2	<5	<2	<2	19	<.2	3	<2	32	.23	.018	7	19	.22	57	.11	3	.98	.03	.04	2	2
228325	1	16	7	28	.1	11	7	168	1.82	<2	<5	<2	2	21	<.2	<2	<2	42	.32	.029	7	23	.31	95	.11	3	1.16	.02	.04	<1	2
228326	3	140	2	43	.2	13	8	690	2.46	2	<5	<2	<2	45	<.2	<2	<2	53	.76	.048	10	28	.49	124	.08	4	1.53	.03	.05	<1	27
[illegible]327	<1	56	2	37	.1	18	7	293	2.40	<2	<5	<2	2	33	.2	<2	<2	52	.55	.054	9	31	.44	82	.11	2	1.26	.03	.08	1	4
RE 228327	<1	51	<2	37	.2	17	7	292	2.41	4	<5	<2	2	33	.2	<2	<2	51	.56	.052	9	31	.44	87	.11	5	1.26	.03	.08	<1	6
228328	<1	22	4	34	.1	16	6	252	2.17	2	<5	<2	2	31	<.2	<2	<2	45	.46	.069	10	29	.40	89	.12	2	1.11	.03	.07	1	1
228329	<1	35	4	57	.2	15	6	225	2.25	3	<5	<2	2	22	<.2	2	<2	44	.36	.061	7	27	.31	84	.13	3	1.64	.02	.06	<1	<1
228330	<1	73	<2	289	.8	9	11	3299	2.06	7	<5	<2	<2	104	.7	<2	<2	47	2.12	.116	2	15	.48	181	.08	9	1.24	.04	.14	<1	3
228331	<1	278	2	67	.2	12	10	396	3.20	3	<5	<2	<2	26	<.2	<2	4	62	.63	.057	6	28	.83	54	.16	2	1.76	.03	.07	<1	<1
228332	<1	317	4	86	.1	20	10	362	2.59	2	<5	<2	8	22	<.2	<2	<2	57	.57	.021	6	50	.85	50	.17	3	1.50	.03	.05	<1	1
228333	<1	71	5	53	.2	19	9	304	2.41	6	<5	<2	2	23	<.2	<2	<2	53	.51	.036	6	42	.62	60	.15	6	1.29	.03	.09	<1	1
228334	<1	196	10	112	.3	4	14	677	4.16	2	<5	<2	<2	23	<.2	<2	<2	80	1.07	.180	6	7	1.24	43	.17	3	2.15	.04	.11	<1	3
228335	<1	129	<2	117	.1	6	18	820	4.28	6	<5	<2	<2	24	<.2	<2	<2	93	.98	.149	6	12	1.57	50	.19	3	2.14	.04	.12	<1	2
228336	<1	144	7	97	.1	18	11	557	3.94	7	<5	<2	2	24	<.2	<2	<2	85	.79	.082	7	34	.87	75	.20	<2	2.57	.04	.11	<1	2
228337	<1	163	3	199	.2	3	19	1149	5.32	8	<5	<2	<2	18	<.2	2	<2	101	1.07	.162	7	5	2.07	91	.27	2	2.52	.02	.79	<1	3
228342	<1	59	3	138	.2	11	12	627	3.75	7	<5	<2	<2	14	<.2	2	<2	84	.48	.113	3	36	.94	42	.18	2	1.81	.03	.08	<1	1
228343	<1	52	<2	97	.1	19	8	541	2.69	2	<5	<2	<2	17	<.2	2	<2	56	.30	.094	6	33	.47	61	.13	<2	1.68	.02	.06	<1	<1
228344	<1	20	4	58	.1	13	5	301	1.92	<2	<5	<2	2	28	<.2	<2	<2	45	.47	.026	7	31	.42	87	.13	<2	1.14	.03	.08	<1	4
228345	<1	17	<2	29	<.1	13	5	189	2.19	3	<5	<2	2	25	<.2	<2	<2	50	.33	.042	8	30	.41	65	.14	3	1.21	.03	.04	1	6
228346	<1	19	9	48	.1	20	7	216	2.57	<2	<5	<2	2	23	.4	2	<2	51	.30	.073	6	35	.39	86	.13	<2	1.85	.02	.05	<1	<1
228347	<1	23	<2	48	.1	19	7	248	2.49	<2	<5	<2	2	18	<.2	<2	<2	58	.26	.037	6	32	.50	67	.13	<2	1.45	.02	.06	<1	3
8348	1	30	7	118	.1	21	9	1368	3.05	3	<5	<2	3	30	<.2	<2	<2	67	.46	.090	4	35	.37	100	.13	2	2.30	.02	.05	<1	<1
[illegible]28349	1	15	7	52	.1	18	8	181	2.67	<2	<5	<2	<2	35	.4	<2	<2	58	.66	.018	6	31	.40	184	.12	<2	1.97	.02	.05	<1	2
228350	2	51	3	48	.3	26	9	1214	3.08	4	<5	<2	3	34	<.2	<2	<2	58	.76	.021	10	37	.45	221	.12	3	2.46	.02	.10	<1	<1
228351	1	19	6	49	<.1	19	7	194	2.85	<2	<5	<2	<2	17	<.2	<2	<2	59	.26	.069	5	34	.30	96	.13	2	1.87	.02	.05	1	<1
228352	<1	31	<2	23	<.1	16	6	206	2.13	3	<5	<2	2	23	<.2	<2	<2	49	.36	.036	7	29	.47	40	.10	3	.84	.03	.03	<1	<1
228353	1	61	2	124	.2	8	7	690	2.69	4	<5	<2	<2	24	<.2	2	<2	67	.61	.027	4	19	.37	51	.12	<2	.97	.04	.11	<1	1
228354	<1	38	7	60	.1	11	8	359	2.95	6	<5	<2	<2	28	<.2	3	<2	63	.60	.064	5	28	.49	70	.13	3	1.57	.02	.10	<1	2
STANDARD C/AU-S	17	61	40	123	6.8	68	29	1041	3.91	41	19	7	34	51	17.4	14	19	54	.50	.085	37	57	.90	182	.09	33	1.87	.06	.14	11	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228355	<1	39	3	85	<.1	23	10	285	2.71	8	<5	<2	2	24	<.2	<2	<2	54	.38	.088	6	36	.55	106	.12	3	2.06	.02	.06	<1	13
228356	<1	14	4	99	<.1	16	9	204	3.03	6	<5	<2	<2	19	<.2	<2	<2	58	.33	.176	5	32	.30	70	.12	3	1.95	.01	.06	<1	3
228357	<1	53	6	68	.4	26	11	249	2.47	8	<5	<2	<2	25	<.2	<2	<2	61	.44	.020	4	44	.49	78	.16	5	2.09	.02	.05	<1	2
228358	<1	69	<2	96	<.1	27	14	334	3.16	11	<5	<2	<2	23	<.2	<2	<2	73	.44	.067	3	73	.91	47	.17	4	2.00	.02	.06	<1	2
228359	<1	516	4	104	.3	26	9	387	3.12	9	<5	<2	2	24	<.2	<2	2	60	.56	.121	7	48	.72	90	.14	3	2.71	.02	.07	<1	3
228360	<1	75	3	83	<.1	20	8	272	2.51	5	<5	<2	<2	23	<.2	<2	2	55	.42	.047	4	41	.53	52	.13	2	1.41	.02	.06	<1	1
228361	<1	51	2	61	<.1	22	10	250	2.72	13	<5	<2	<2	26	.2	<2	<2	59	.41	.049	6	33	.49	77	.14	2	1.69	.02	.06	<1	1
228367	<1	46	<2	66	<.1	29	10	201	3.03	9	<5	<2	<2	24	<.2	<2	2	61	.34	.112	5	45	.47	97	.13	<2	2.35	.02	.08	<1	<1
228368	1	46	<2	46	.1	20	10	375	3.36	6	<5	<2	<2	36	<.2	2	<2	78	.51	.028	5	44	.59	57	.12	4	1.62	.02	.05	<1	5
228369	<1	62	2	54	.2	28	9	227	3.81	9	<5	<2	<2	30	<.2	3	<2	85	.49	.093	9	50	.45	89	.12	2	2.23	.02	.05	<1	2
[illegible]370	1	92	4	50	.1	22	9	227	2.78	7	<5	<2	<2	33	<.2	<2	2	54	.39	.089	7	33	.52	76	.13	3	1.97	.02	.05	<1	<1
228371	<1	31	2	61	<.1	23	9	245	2.47	5	<5	<2	<2	27	<.2	<2	2	48	.40	.075	6	30	.43	77	.12	3	1.81	.02	.06	<1	3
228372	<1	32	2	31	<.1	17	7	249	2.34	5	<5	<2	<2	35	<.2	<2	<2	55	.48	.036	7	32	.45	54	.13	<2	1.16	.02	.06	<1	2
228373	2	64	<2	46	<.1	17	9	284	2.77	10	<5	<2	<2	36	<.2	<2	<2	65	.47	.025	6	32	.54	61	.15	2	1.65	.02	.06	<1	1
228374	<1	7	<2	25	<.1	5	3	85	1.15	4	<5	<2	<2	12	<.2	<2	<2	32	.15	.007	2	10	.10	24	.09	<2	.46	.02	.02	<1	1
228375	<1	64	<2	63	.2	24	10	504	2.77	6	<5	<2	2	42	<.2	<2	<2	59	.63	.033	9	46	.72	83	.13	3	1.95	.03	.09	<1	3
228376	<1	40	2	39	.2	20	11	566	4.07	4	<5	<2	<2	42	<.2	3	<2	86	.77	.020	6	46	.55	66	.12	6	1.53	.03	.08	<1	<1
228377	<1	50	<2	70	.1	18	12	362	3.64	3	<5	<2	<2	65	<.2	3	<2	74	.81	.074	4	40	.77	84	.06	2	2.81	.01	.06	<1	3
RE 228377	<1	48	<2	68	<.1	18	11	357	3.61	6	<5	<2	<2	64	<.2	2	<2	73	.79	.073	4	39	.75	82	.06	<2	2.72	.01	.05	<1	2
228378	<1	41	2	38	<.1	17	7	300	2.59	11	<5	<2	<2	30	.2	<2	<2	57	.50	.045	5	31	.47	59	.09	<2	1.30	.02	.04	<1	3
228379	<1	25	3	36	<.1	13	6	281	2.00	7	<5	<2	<2	26	.2	<2	<2	43	.42	.035	8	25	.31	49	.10	<2	1.05	.02	.04	<1	3
228380	<1	55	<2	45	.1	19	7	514	2.20	8	<5	<2	<2	28	<.2	<2	<2	44	.42	.023	7	31	.45	76	.11	2	1.57	.02	.08	<1	4
228381	<1	27	2	56	.2	19	6	235	2.26	11	<5	<2	3	30	<.2	<2	<2	48	.44	.046	9	31	.47	74	.18	2	1.39	.02	.06	<1	3
228384	<1	45	<2	57	.1	18	8	253	2.58	10	<5	<2	<2	20	<.2	<2	<2	53	.35	.083	6	28	.46	73	.12	4	1.56	.02	.05	<1	2
228385	1	77	<2	86	.1	25	13	370	3.42	6	<5	<2	<2	23	<.2	2	<2	69	.57	.106	5	48	.73	83	.14	3	3.19	.03	.07	<1	4
228386	<1	766	2	69	.3	21	10	267	2.86	6	<5	<2	<2	27	<.2	<2	4	62	.60	.061	6	35	.54	95	.13	2	2.18	.02	.05	<1	7
228387	<1	2	2	19	<.1	3	2	66	.86	3	<5	<2	<2	9	<.2	<2	<2	26	.16	.008	2	10	.06	12	.07	<2	.23	.02	.02	<1	1
228388	<1	32	<2	58	<.1	24	8	188	2.47	6	<5	<2	<2	20	<.2	<2	<2	48	.33	.099	6	32	.38	83	.10	<2	1.72	.02	.06	<1	5
9389	<1	108	<2	93	.1	36	17	548	4.34	7	<5	<2	<2	14	<.2	2	<2	105	.31	.060	2	99	1.36	55	.20	4	1.86	.01	.03	<1	2
[illegible]8390	<1	18	3	40	<.1	14	6	172	2.20	6	<5	<2	2	20	<.2	<2	<2	47	.28	.061	7	30	.29	79	.11	2	1.19	.02	.04	<1	3
228391	<1	29	3	58	.1	15	9	310	2.54	7	<5	<2	2	19	<.2	<2	<2	52	.39	.049	7	24	.52	64	.12	4	1.36	.02	.06	<1	5
228392	1	69	2	176	.2	28	14	452	3.59	6	<5	<2	<2	24	.2	3	<2	68	.55	.088	3	58	.84	96	.13	3	2.57	.02	.08	<1	2
228393	<1	202	<2	69	.2	23	12	398	3.50	5	<5	<2	<2	30	<.2	2	<2	75	.65	.045	6	51	.84	72	.12	3	1.84	.02	.09	<1	2
228394	<1	31	2	110	.1	14	13	381	3.43	6	<5	<2	<2	25	<.2	<2	<2	67	.46	.151	3	42	.67	87	.11	2	1.93	.01	.06	<1	1
228395	1	108	2	47	.1	15	8	623	2.65	7	<5	<2	<2	38	<.2	<2	<2	54	.61	.048	9	28	.48	106	.07	3	1.43	.02	.08	<1	8
STANDARD C/AU-S	17	58	38	127	6.9	65	30	1033	3.97	41	19	7	35	52	18.0	15	18	56	.51	.086	39	60	.91	184	.08	34	1.90	.06	.14	10	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228396	<1	18	2	66	.2	20	8	284	2.42	<2	<5	<2	2	25	.2	<2	<2	53	.35	.044	8	32	.40	133	.12	2	1.50	.03	.08	<1	4
228397	<1	10	2	41	<.1	18	7	201	2.52	3	<5	<2	2	20	<.2	<2	<2	53	.27	.027	8	31	.45	212	.10	2	1.96	.02	.06	<1	2
228398	1	20	3	39	<.1	23	8	305	2.62	3	<5	<2	2	30	<.2	<2	<2	51	.41	.026	12	36	.46	233	.11	2	2.40	.03	.08	<1	3
228399	1	28	3	53	.2	17	7	374	1.93	3	<5	<2	<2	60	.2	<2	<2	39	.97	.054	7	24	.41	127	.09	4	1.03	.05	.08	<1	6
228400	1	28	2	32	.2	16	7	161	1.73	2	<5	<2	3	29	<.2	<2	<2	43	.41	.015	11	26	.37	89	.12	2	1.18	.03	.03	<1	9
228401	2	81	<2	41	.2	14	7	386	2.32	2	<5	<2	<2	39	.2	<2	<2	48	.64	.051	9	26	.46	118	.09	2	1.50	.04	.06	<1	20
228402	3	182	3	45	.1	23	11	620	2.82	<2	<5	<2	2	43	.3	<2	2	68	.68	.044	14	36	.58	151	.12	2	1.98	.04	.09	<1	8
228403	1	81	2	43	.3	15	7	776	2.54	3	<5	<2	2	44	.2	<2	<2	58	.86	.048	9	23	.57	85	.10	2	1.31	.06	.09	<1	3
228404	<1	42	<2	58	.1	20	8	409	3.00	<2	<5	<2	2	28	.3	<2	<2	65	.48	.016	7	37	.41	75	.12	2	1.42	.03	.07	<1	1
228406	<1	21	<2	36	.2	14	6	204	2.15	3	<5	<2	2	27	<.2	2	<2	49	.37	.039	10	27	.30	72	.12	2	1.01	.03	.05	<1	1
228407	<1	40	2	46	<.1	15	8	334	2.36	4	<5	<2	<2	24	<.2	<2	<2	53	.42	.053	7	27	.42	62	.12	3	1.19	.03	.04	<1	27
228408	1	28	5	119	.1	12	8	527	2.28	<2	<5	<2	<2	32	<.2	<2	<2	49	.48	.083	4	30	.45	60	.12	2	1.55	.03	.06	<1	1
228409	1	10	3	54	<.1	15	7	243	2.23	3	<5	<2	<2	108	<.2	<2	<2	50	.70	.029	3	49	.27	47	.12	4	.93	.03	.04	<1	<1
228410	<1	52	3	95	.3	11	10	301	2.35	3	<5	<2	<2	28	.2	<2	<2	64	1.07	.022	3	33	.54	43	.13	2	1.38	.05	.07	<1	8
228411	1	43	3	50	.4	14	6	154	2.33	<2	<5	<2	3	21	<.2	<2	<2	47	.45	.107	6	24	.20	63	.12	2	1.56	.02	.06	<1	<1
228412	1	77	4	104	.1	21	12	611	3.39	2	<5	<2	2	18	.2	<2	<2	80	.65	.070	5	29	.65	84	.18	2	2.52	.05	.09	<1	<1
RE 228412	1	77	3	104	.2	21	12	595	3.38	3	<5	<2	2	18	<.2	<2	<2	80	.65	.070	6	28	.65	82	.18	3	2.47	.05	.09	<1	2
228413	1	8	5	38	.5	5	7	265	1.79	3	8	<2	2	22	<.2	2	<2	41	.24	.151	5	14	.09	78	.09	2	1.14	.03	.04	<1	<1
228414	<1	8	2	22	.1	19	5	144	2.00	<2	<5	<2	2	20	<.2	<2	<2	49	.29	.038	7	23	.38	58	.10	3	.82	.02	.04	<1	1
228415	<1	10	2	45	.1	14	6	139	2.23	<2	<5	<2	2	22	<.2	<2	<2	46	.31	.088	7	26	.24	58	.11	2	1.43	.02	.05	<1	4
228416	2	208	2	51	.2	21	8	614	2.59	3	<5	<2	<2	59	<.2	<2	<2	58	.98	.059	17	35	.54	163	.09	3	2.05	.04	.09	<1	7
228417	1	26	3	48	.1	17	9	558	2.83	3	<5	<2	2	25	<.2	<2	<2	60	.33	.067	6	30	.31	102	.11	3	1.77	.03	.05	<1	<1
228418	<1	22	2	43	.1	31	9	285	2.81	6	<5	<2	2	21	<.2	<2	<2	58	.35	.096	8	30	.52	112	.10	2	1.77	.02	.09	<1	<1
228419	1	15	3	107	.7	20	10	225	4.11	3	9	<2	4	21	.3	3	3	90	.32	.222	7	41	.36	70	.11	4	2.99	.02	.05	<1	<1
228420	<1	10	2	36	.1	22	6	149	2.56	<2	<5	<2	2	20	<.2	<2	<2	57	.32	.068	6	26	.33	65	.09	2	1.48	.02	.06	<1	6
228421	1	53	4	142	.2	9	13	631	4.27	4	<5	<2	<2	28	.2	<2	<2	88	.53	.096	7	13	1.07	60	.06	4	2.46	.02	.10	<1	<1
228422	<1	16	4	51	<.1	16	6	151	2.67	3	<5	<2	2	42	<.2	<2	<2	48	.43	.269	9	31	.33	95	.11	2	1.73	.02	.09	<1	2
228423	<1	96	2	131	.7	17	14	610	4.17	4	<5	<2	3	42	.3	<2	2	84	.84	.292	6	22	.73	95	.11	3	3.07	.03	.09	<1	3
228424	<1	19	3	68	.3	16	7	285	2.49	3	6	<2	4	20	<.2	<2	<2	53	.29	.084	9	29	.40	61	.12	2	1.73	.02	.07	<1	<1
228425	<1	128	5	54	.6	15	6	213	2.31	2	<5	<2	3	27	<.2	<2	<2	48	.53	.049	10	25	.32	60	.11	2	1.65	.03	.08	<1	6
228426	<1	271	4	75	.9	42	12	322	3.86	<2	<5	<2	5	42	.3	<2	<2	87	.78	.038	24	56	.69	197	.17	3	4.25	.04	.15	<1	5
228427	<1	64	3	82	.4	18	10	426	2.81	3	<5	<2	3	28	<.2	<2	<2	57	.70	.032	9	27	.69	78	.16	2	1.85	.03	.10	<1	1
228428	1	4054	7	85	3.5	24	7	449	1.79	4	5	<2	<2	211	.5	<2	9	31	5.10	.067	64	43	.40	155	.03	6	1.64	.03	.12	<1	39
228429	1	683	<2	71	1.6	45	10	531	3.25	<2	<5	<2	<2	107	.4	<2	<2	72	1.95	.057	54	59	.72	271	.09	3	4.62	.03	.25	<1	18
228430	2	43	5	37	.1	15	8	1290	2.71	3	<5	<2	<2	48	<.2	<2	<2	50	.85	.042	7	23	.44	105	.09	2	1.04	.05	.08	<1	5
STANDARD C/AU-S	18	61	38	126	7.2	71	31	1035	3.97	40	15	7	36	53	18.8	14	19	59	.51	.086	40	59	.91	184	.09	39	1.89	.08	.16	10	46

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228431	1	59	3	39	.1	17	6	422	1.86	<2	<5	<2	2	38	.2	<2	<2	47	.80	.039	9	28	.43	111	.10	2	1.43	.04	.09	<1	2
228432	1	16	4	42	<.1	11	6	226	2.40	<2	<5	<2	<2	32	.2	<2	2	60	.56	.018	8	25	.41	51	.16	2	1.14	.05	.08	1	2
228433	2	132	4	73	.4	31	11	770	3.94	<2	<5	<2	3	49	.5	<2	<2	71	.76	.017	13	52	.64	177	.17	2	2.96	.05	.17	<1	3
228434	1	82	5	47	<.1	19	8	460	2.57	<2	<5	<2	2	47	.3	<2	<2	62	.87	.023	11	30	.49	83	.14	<2	1.57	.06	.10	<1	2
228490	1	135	3	54	.3	30	10	573	3.27	<2	<5	<2	2	64	.5	<2	2	63	1.17	.039	16	43	.67	143	.13	2	2.41	.06	.15	<1	4
228491	1	27	4	42	<.1	13	7	443	2.28	<2	<5	<2	2	53	.2	<2	<2	55	.82	.042	8	28	.43	86	.14	3	1.19	.05	.14	<1	5
228492	1	27	3	43	.1	20	9	265	2.37	2	<5	<2	2	48	.2	3	3	63	.56	.015	7	59	.64	52	.18	2	1.62	.05	.07	1	2
228493	<1	26	4	39	.1	14	6	291	2.17	2	<5	<2	3	40	.2	2	<2	54	.55	.029	9	28	.40	69	.16	2	1.28	.06	.07	1	3
RE 228493	<1	25	3	37	<.1	14	6	281	2.11	2	<5	<2	2	39	.2	2	2	53	.53	.027	9	28	.38	68	.15	2	1.20	.05	.07	1	1
228494	1	103	6	77	.3	18	9	585	3.12	4	<5	<2	2	57	.3	3	<2	74	.82	.073	7	26	.55	75	.15	2	3.08	.03	.09	<1	10
228495	1	28	3	59	.2	18	6	277	2.46	<2	<5	<2	3	31	.2	<2	<2	49	.51	.175	10	26	.45	87	.11	<2	1.85	.03	.08	<1	2
228496	1	86	4	46	<.1	16	9	482	2.54	<2	<5	<2	8	45	.2	<2	<2	67	.78	.023	12	33	.59	66	.17	3	1.79	.06	.10	1	2
228497	<1	23	3	53	<.1	14	8	320	2.49	2	<5	<2	2	31	.2	<2	<2	58	.63	.083	9	26	.53	63	.14	2	1.39	.04	.10	<1	1
228498	1	16	4	45	.2	18	8	259	2.41	3	10	<2	4	24	.3	3	2	55	.44	.047	10	27	.45	87	.14	2	1.50	.04	.09	1	<1
STANDARD C/AU-S	17	59	38	125	6.9	70	30	1034	3.95	40	14	7	35	52	18.2	14	21	58	.51	.086	40	59	.91	184	.09	38	1.89	.08	.16	11	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Strathcona Mineral Services Ltd. PROJECT 1802-4 File # 93-3020

12th Floor - 20 Toronto S, Toronto ON M5C 2B8 Submitted by: OCT 21 93

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	Au** ppb
228263	1	14	2	53	.3	13	6	147	2.68	3	<5	<2	2	20	<.2	<2	<2	59	.27	.127	5	24	.23	40	.08	3	1.44	.02	.04	<1	5
228296	<1	30	<2	37	<.1	12	6	285	1.98	<2	<5	<2	<2	26	<.2	<2	2	49	.41	.038	7	23	.38	58	.12	3	1.04	.03	.05	<1	2
228297	1	30	2	54	.1	19	8	213	2.62	2	<5	<2	2	25	<.2	<2	3	57	.33	.090	7	32	.45	65	.12	4	1.91	.03	.07	<1	7
228298	1	80	2	44	.1	11	5	242	1.65	<2	<5	<2	<2	21	<.2	<2	<2	45	.41	.012	5	20	.40	23	.11	3	1.02	.03	.04	1	3
RE 228298	1	77	3	41	<.1	10	5	231	1.58	<2	<5	<2	<2	21	<.2	<2	2	43	.40	.012	5	18	.38	21	.11	2	.97	.03	.04	<1	2
228299	1	66	<2	79	.2	17	9	617	2.94	<2	<5	<2	2	38	<.2	<2	<2	58	.83	.033	7	29	.81	88	.15	4	1.87	.04	.13	<1	9
228300	1	215	<2	100	.9	60	16	1115	5.35	<2	<5	<2	3	81	1.3	2	<2	81	1.26	.049	35	79	1.29	356	.14	6	4.49	.04	.41	<1	4
228301	1	33	2	96	.1	22	9	292	2.25	<2	<5	<2	<2	29	<.2	<2	<2	44	.34	.068	7	29	.38	109	.12	3	2.17	.03	.09	<1	6
228338	1	16	2	27	.1	12	5	116	2.06	2	<5	<2	2	20	<.2	3	2	51	.24	.025	5	21	.23	66	.10	2	1.06	.02	.04	1	1
339	<1	38	<2	75	<.1	22	9	321	2.59	3	<5	<2	<2	23	<.2	3	<2	55	.37	.064	7	32	.60	94	.13	5	1.72	.03	.09	<1	6
228340	<1	23	2	43	<.1	13	6	205	2.19	2	<5	<2	<2	22	<.2	<2	<2	52	.34	.044	7	26	.40	55	.12	3	1.13	.03	.05	1	2
228341	1	43	3	55	<.1	19	8	349	2.41	<2	<5	<2	<2	24	<.2	<2	2	56	.40	.049	7	31	.54	75	.12	3	1.28	.03	.09	<1	<1
228362	1	70	3	51	.1	17	7	204	2.28	<2	<5	<2	<2	25	<.2	<2	2	54	.43	.028	6	28	.44	74	.14	3	1.46	.03	.08	<1	3
228363	1	33	5	59	<.1	20	7	253	2.40	<2	<5	<2	<2	27	<.2	<2	<2	49	.36	.066	7	31	.36	87	.14	4	1.33	.03	.07	<1	1
228364	1	101	3	32	.5	37	8	471	2.53	2	<5	<2	<2	73	.4	<2	2	43	1.43	.021	10	39	.34	171	.11	4	1.95	.05	.12	<1	1
228365	1	230	2	44	1.0	40	7	323	2.09	4	10	<2	<2	138	.2	<2	2	51	3.00	.105	21	62	.43	216	.07	3	2.61	.03	.12	<1	12
228366	<1	16	<2	52	.1	18	7	174	2.05	2	<5	<2	2	19	<.2	2	<2	43	.31	.088	6	24	.28	61	.10	3	1.54	.03	.06	<1	<1
228382	1	34	3	66	.2	14	6	312	2.05	<2	<5	<2	2	21	<.2	<2	<2	45	.36	.049	8	26	.32	83	.14	3	1.23	.03	.05	<1	1
228383	1	68	2	88	.1	22	12	398	3.19	2	<5	<2	2	21	<.2	2	3	66	.73	.085	7	33	.83	89	.16	3	2.11	.03	.09	<1	<1
228435	1	24	4	42	.2	18	6	243	2.08	3	<5	<2	2	29	<.2	2	2	49	.48	.019	8	27	.44	72	.14	3	1.29	.04	.07	1	<1
228436	1	23	2	32	.1	15	6	190	2.24	3	<5	<2	2	23	<.2	<2	<2	53	.36	.039	8	28	.39	66	.13	4	1.15	.03	.07	1	1
228437	1	64	<2	176	.2	27	12	722	3.65	2	<5	<2	2	23	.2	3	<2	70	.44	.152	6	34	.90	106	.14	6	2.91	.03	.08	<1	2
228438	1	27	5	61	.1	15	7	329	2.45	3	<5	<2	<2	31	<.2	<2	2	51	.57	.146	7	27	.39	66	.11	4	1.42	.03	.07	<1	<1
228439	<1	30	<2	68	.1	24	7	240	2.56	4	<5	<2	2	28	<.2	4	<2	54	.40	.049	7	29	.40	76	.12	4	1.64	.03	.06	1	1
228440	1	275	3	72	.2	14	11	453	3.04	3	<5	<2	<2	61	.2	2	<2	75	.73	.023	4	24	.79	44	.15	5	2.10	.04	.08	<1	5
228441	1	25	<2	47	<.1	19	8	201	2.53	<2	<5	<2	<2	27	<.2	<2	<2	55	.40	.084	7	28	.42	66	.11	4	1.47	.03	.05	<1	2
228442	1	20	2	55	<.1	18	7	204	2.26	4	<5	<2	2	23	<.2	<2	<2	48	.35	.069	7	26	.36	80	.11	3	1.68	.03	.06	<1	83
228443	1	19	3	61	<.1	22	8	205	2.55	<2	<5	<2	2	20	<.2	<2	3	51	.33	.086	8	32	.42	103	.13	3	1.99	.02	.08	<1	2
228444	1	18	3	40	.2	19	8	339	1.90	3	<5	<2	3	30	<.2	3	2	43	.45	.032	11	29	.51	78	.14	4	1.19	.03	.08	1	<1
228445	2	404	2	58	.8	35	7	426	1.77	2	5	<2	<2	138	1.0	<2	3	138	3.61	.081	32	38	.52	145	.05	7	1.36	.04	.07	<1	7
228446	1	35	2	66	.1	15	9	462	2.46	2	<5	<2	2	33	<.2	2	<2	66	.98	.009	7	21	.80	77	.19	3	1.52	.04	.05	<1	<1
228447	1	17	3	34	.3	13	6	154	1.84	3	5	<2	3	32	<.2	2	<2	44	.40	.010	11	25	.33	69	.11	3	.97	.03	.07	1	<1
228448	<1	59	5	95	.3	6	9	629	3.12	9	<5	<2	<2	22	.2	4	<2	75	1.01	.062	5	11	.79	50	.16	4	1.37	.02	.21	<1	<1
228449	<1	26	9	77	.2	13	6	274	1.67	3	<5	<2	3	22	<.2	3	3	38	.49	.036	9	21	.55	57	.13	3	1.18	.03	.08	<1	<1
228450	1	13	3	45	.3	16	4	154	1.56	<2	<5	<2	3	20	<.2	3	2	35	.31	.030	9	24	.33	58	.11	3	.92	.03	.06	1	1
STANDARD C/AU-S	18	62	37	123	6.9	70	30	1052	3.92	39	22	8	37	53	18.0	14	19	59	.49	.086	40	59	.93	185	.09	34	1.88	.10	.16	11	52

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: OCT 25 1993 **DATE REPORT MAILED:** Nov 3/93. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Au** ppb
228451	9	123	2	61	.1	13	3	103	.81	<2	<5	<2	<2	114	<.2	<2	<2	27	2.72	.056	5	13	.21	61	.02	3	.52	.03	.02	<1	7
228452	1	47	5	42	.1	24	8	204	2.36	3	<5	<2	2	32	<.2	<2	<2	49	.38	.036	8	35	.50	79	.16	3	1.39	.03	.06	1	6
228453	1	150	6	83	.2	11	8	393	2.13	<2	<5	<2	<2	36	.4	<2	<2	51	.54	.022	9	20	.50	45	.13	3	1.51	.05	.07	<1	4
228454	1	30	6	56	<.1	18	7	212	2.13	2	<5	<2	<2	26	.2	<2	<2	47	.42	.034	7	27	.39	71	.13	3	1.45	.03	.06	<1	2
228455	<1	11	7	32	<.1	8	3	166	1.19	<2	<5	<2	<2	19	<.2	<2	<2	34	.33	.023	5	15	.19	39	.10	3	.71	.03	.04	<1	8
228456	<1	32	4	42	<.1	18	8	360	2.33	3	<5	<2	<2	29	<.2	<2	<2	52	.53	.053	9	29	.53	81	.13	3	1.28	.03	.09	<1	4
228457	<1	27	3	42	.2	18	6	265	2.09	3	<5	<2	2	24	.2	<2	<2	43	.52	.051	9	28	.42	91	.11	3	1.36	.03	.07	<1	6
228458	<1	29	4	59	<.1	16	7	257	1.82	2	<5	<2	<2	24	<.2	<2	<2	37	.36	.055	6	23	.30	80	.10	2	1.30	.03	.07	<1	<1
228459	<1	18	4	36	<.1	8	4	343	1.80	<2	<5	<2	<2	17	<.2	<2	<2	44	.35	.023	4	19	.33	33	.12	2	.88	.02	.03	<1	1
228460	1	37	6	39	.2	5	1	49	.51	<2	<5	<2	<2	155	<.2	<2	<2	5	4.19	.057	<2	4	.22	46	.01	9	.16	.02	.02	<1	8
3461	1	13	6	71	.1	9	7	450	2.60	4	<5	<2	<2	22	<.2	<2	2	62	.32	.073	5	18	.36	61	.15	4	1.63	.03	.05	<1	<1
228462	8	122	4	72	.4	24	5	486	1.55	<2	<5	<2	<2	97	.5	<2	<2	49	2.20	.057	11	38	.56	149	.08	5	1.61	.05	.10	<1	3
228463	1	11	3	39	.2	19	5	134	2.11	2	<5	<2	<2	16	<.2	<2	<2	42	.23	.057	6	24	.23	70	.11	2	1.48	.02	.04	<1	5
228464	1	22	6	56	.2	15	8	237	2.26	2	<5	<2	<2	21	<.2	<2	<2	47	.36	.045	7	24	.39	65	.13	3	1.26	.03	.12	<1	8
228465	<1	20	3	52	<.1	20	8	305	2.42	2	<5	<2	<2	21	.2	<2	<2	54	.52	.045	7	25	.57	102	.13	3	1.33	.03	.09	<1	6
228466	<1	15	3	42	.2	18	6	194	2.08	3	<5	<2	2	18	<.2	<2	<2	45	.26	.042	7	27	.35	62	.12	3	1.18	.02	.05	<1	5
228467	<1	229	5	190	.3	12	11	687	3.68	2	<5	<2	<2	13	<.2	<2	<2	64	.35	.078	6	15	.78	73	.18	4	2.04	.02	.08	<1	42
228468	<1	92	6	179	.1	19	13	832	3.89	8	<5	<2	<2	21	<.2	<2	<2	77	.77	.105	9	25	1.22	95	.17	5	2.63	.02	.17	<1	6
228469	1	48	5	89	.3	17	10	457	2.98	4	<5	<2	<2	18	<.2	<2	<2	58	.61	.088	7	21	.76	72	.15	4	2.09	.03	.13	<1	10
228470	<1	18	3	25	.2	15	6	172	2.00	<2	<5	<2	2	21	<.2	<2	<2	45	.33	.027	10	27	.35	49	.11	3	.83	.03	.07	<1	4
228471	1	15	8	124	.1	9	5	320	2.29	4	<5	<2	<2	21	.2	<2	<2	37	.34	.217	7	22	.29	183	.13	3	1.11	.02	.08	<1	8
228472	1	22	7	48	.1	12	4	369	1.54	2	<5	<2	<2	27	<.2	<2	<2	30	.41	.025	6	21	.27	86	.11	3	1.06	.03	.08	<1	2
228473	1	14	5	69	<.1	16	7	251	3.03	2	<5	<2	<2	25	<.2	<2	<2	64	.39	.156	5	28	.35	73	.10	4	1.82	.02	.06	<1	5
228474	1	13	7	88	.2	20	7	194	2.88	<2	<5	<2	<2	20	.2	<2	<2	52	.29	.252	7	32	.38	110	.10	4	2.02	.02	.08	<1	2
RE 228474	<1	13	3	86	.2	20	8	191	2.84	3	<5	<2	<2	20	.2	<2	<2	51	.28	.251	7	32	.38	111	.10	5	2.01	.02	.08	<1	5
228475	1	30	4	31	<.1	15	5	186	2.17	4	<5	<2	3	34	<.2	<2	<2	44	.47	.054	12	35	.44	85	.13	3	.99	.04	.06	<1	40
228476	1	60	3	44	<.1	19	6	249	2.06	2	<5	<2	<2	22	<.2	<2	<2	41	.31	.035	7	27	.35	96	.11	3	1.32	.03	.05	<1	9
228477	<1	9	2	20	<.1	19	5	121	1.99	<2	<5	<2	2	19	<.2	<2	<2	46	.29	.030	6	24	.30	55	.09	3	.81	.02	.04	<1	4
1478	1	52	5	33	<.1	14	5	299	1.67	3	<5	<2	<2	36	<.2	<2	2	44	.47	.013	14	26	.42	81	.11	2	1.15	.03	.07	<1	9
d479	<1	21	4	63	.2	30	9	250	3.63	3	<5	<2	<2	24	<.2	<2	<2	91	.40	.075	8	39	.53	92	.11	5	1.54	.02	.05	<1	6
228480	1	20	3	67	.2	28	9	286	3.44	<2	<5	<2	<2	21	<.2	<2	<2	79	.36	.108	6	36	.56	81	.11	4	1.98	.02	.08	<1	7
228481 N.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
228482	1	25	4	83	.2	24	11	331	3.31	2	<5	<2	2	37	.3	<2	<2	67	.49	.054	6	43	.57	103	.14	5	2.18	.03	.08	<1	4
228483	1	19	3	56	.2	27	8	265	2.70	<2	<5	<2	<2	26	<.2	<2	<2	55	.32	.044	6	33	.44	118	.11	4	2.00	.02	.09	<1	1
228484	<1	11	3	44	<.1	32	7	186	2.89	2	<5	<2	<2	16	.2	<2	<2	66	.28	.067	6	32	.60	60	.09	4	1.03	.02	.02	<1	6
STANDARD C/AU-S	17	58	38	122	6.7	69	29	1034	3.93	38	15	7	35	52	17.4	14	17	57	.51	.085	39	58	.91	184	.09	34	1.88	.10	.16	11	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228485	<1	11	2	17	<.1	21	4	130	1.78	<2	<5	<2	<2	17	<.2	<2	<2	45	.27	.039	6	25	.37	51	.08	2	.69	.02	.03	<1	17
228486	<1	10	4	28	.1	16	4	114	1.25	<2	<5	<2	2	18	<.2	3	<2	29	.27	.027	8	21	.35	53	.10	2	.80	.02	.04	1	12
228499	1	31	4	63	.3	22	11	413	2.46	<2	<5	<2	2	33	.2	4	<2	54	.40	.046	11	34	.48	107	.11	4	1.75	.04	.07	1	<1
228500	4	230	5	55	1.2	37	11	1727	2.23	4	<5	<2	<2	98	.8	2	<2	66	2.13	.083	20	42	.45	171	.06	3	2.03	.04	.10	1	20
228506	<1	12	3	29	.2	16	4	176	1.40	<2	<5	<2	3	21	<.2	2	<2	31	.28	.023	10	23	.33	58	.10	3	.95	.02	.05	1	5
228507	<1	11	2	34	.1	13	5	229	1.53	2	<5	<2	2	19	<.2	<2	<2	35	.24	.020	8	21	.30	54	.09	2	.89	.02	.04	1	1
228508	1	21	4	39	.1	24	6	161	2.34	<2	<5	<2	2	22	<.2	<2	3	49	.32	.052	7	29	.33	101	.11	2	1.36	.02	.06	<1	3
228509	<1	46	3	211	.3	14	15	838	4.07	2	<5	<2	<2	23	<.2	3	<2	76	1.00	.084	6	13	1.32	84	.19	2	2.25	.02	.35	1	3
228510	<1	32	5	76	.3	16	10	410	2.17	5	<5	<2	2	22	<.2	4	<2	45	.52	.044	7	19	.44	73	.12	4	1.31	.02	.07	1	<1
228511	<1	161	<2	246	<.1	7	23	1256	4.79	14	<5	<2	<2	26	<.2	<2	<2	81	1.25	.167	10	7	2.20	125	.23	2	2.55	.02	1.42	<1	4
... 228511	<1	159	<2	237	<.1	9	22	1209	4.61	13	<5	<2	<2	26	<.2	<2	<2	79	1.20	.160	10	7	2.09	123	.22	2	2.49	.02	1.41	<1	5
228512	<1	29	3	115	.1	17	9	422	2.31	<2	<5	<2	<2	22	<.2	2	<2	46	.57	.054	7	20	.65	64	.14	2	1.30	.02	.10	<1	2
228513	<1	31	3	72	.2	18	8	336	2.22	3	<5	<2	3	21	<.2	4	<2	48	.43	.051	8	21	.53	73	.12	2	1.18	.02	.05	<1	1
228514	<1	19	2	47	.3	18	6	187	1.95	2	<5	<2	3	20	.2	4	<2	42	.34	.038	9	23	.31	81	.11	3	1.18	.02	.06	1	1
228515	<1	15	5	29	.3	13	4	104	1.18	2	<5	<2	2	29	.2	3	<2	26	.42	.012	9	22	.32	48	.11	2	.89	.03	.05	1	4
228516	<1	16	2	37	<.1	17	6	226	1.89	<2	<5	<2	2	33	<.2	<2	<2	44	.47	.027	11	31	.43	64	.17	3	1.02	.04	.05	1	1
228517	<1	7	2	27	.2	11	3	96	1.63	2	<5	<2	2	18	<.2	3	<2	37	.20	.040	6	20	.15	46	.11	2	.88	.02	.02	1	<1
228518	1	30	6	32	.3	17	7	925	1.81	4	<5	<2	<2	43	<.2	2	2	43	1.04	.019	7	24	.35	78	.10	3	1.26	.04	.06	1	2
228519	<1	16	3	47	.1	14	6	268	1.67	2	<5	<2	2	25	<.2	3	<2	41	.47	.032	9	22	.40	59	.11	3	.89	.03	.04	1	<1
228520	<1	23	2	36	.2	19	7	219	2.01	2	<5	<2	3	26	<.2	2	<2	48	.42	.050	9	27	.46	79	.12	3	1.05	.03	.08	1	6
228521	2	47	2	43	.2	10	1	28	.57	<2	<5	<2	<2	97	.3	3	<2	19	2.49	.055	3	4	.19	29	.01	7	.15	.03	.04	1	17
228522	<1	11	4	35	.2	14	4	120	1.24	<2	5	<2	3	20	.2	4	<2	28	.27	.025	9	23	.33	58	.11	3	.94	.02	.05	1	<1
228523	<1	10	4	28	.4	17	4	142	1.33	3	7	<2	4	21	<.2	5	<2	32	.29	.029	10	23	.34	65	.11	3	.88	.02	.04	2	<1
228524	<1	11	3	23	.1	16	4	124	1.38	<2	<5	<2	3	21	<.2	2	<2	34	.30	.035	10	23	.35	68	.11	2	.89	.02	.05	<1	42
228525	<1	10	4	25	<.1	18	4	136	1.55	<2	<5	<2	2	21	<.2	3	<2	38	.29	.028	10	25	.36	55	.12	2	.81	.03	.05	<1	3
228526	1	18	5	36	.1	19	7	271	1.68	<2	<5	<2	2	23	<.2	2	3	40	.32	.027	11	26	.40	66	.12	2	1.03	.03	.08	1	<1
228527	<1	12	4	42	.2	15	7	272	1.82	<2	<5	<2	2	21	<.2	<2	2	42	.43	.030	10	22	.45	54	.12	3	.95	.02	.06	1	1
228528	<1	13	2	31	.3	18	6	190	1.79	3	<5	<2	3	27	<.2	4	<2	41	.39	.054	11	29	.38	72	.12	2	.98	.03	.06	1	<1
228529	<1	51	<2	253	.2	17	16	1170	4.04	2	<5	<2	<2	21	<.2	2	<2	83	1.08	.038	4	26	1.51	51	.24	3	2.07	.03	.18	1	4
228530	1	28	3	100	<.1	21	14	605	3.30	<2	<5	<2	<2	39	.2	<2	<2	85	.92	.017	6	33	.92	81	.18	3	1.99	.04	.10	<1	<1
228531	<1	17	2	40	.1	19	7	211	1.93	2	<5	<2	2	20	<.2	2	<2	44	.37	.040	8	26	.50	63	.12	3	1.07	.02	.08	1	<1
228532	<1	28	2	71	.3	13	8	348	2.38	2	<5	<2	2	20	.2	4	<2	58	.55	.041	6	20	.48	61	.14	3	1.41	.03	.04	1	<1
228533	<1	17	4	47	.2	19	6	207	2.00	2	<5	<2	2	21	.2	2	<2	46	.36	.049	8	28	.35	82	.11	3	1.17	.02	.07	1	2
228534	<1	11	2	34	.3	17	6	184	1.60	3	<5	<2	3	22	.2	6	<2	38	.30	.023	10	26	.36	73	.12	4	1.06	.03	.04	2	1
228535	<1	18	<2	33	.1	21	7	223	1.85	3	<5	<2	<2	24	.2	4	<2	45	.38	.048	9	27	.49	74	.11	2	1.16	.02	.05	1	5
STANDARD C/AU-S	19	60	38	129	6.9	72	32	1029	3.98	41	18	7	35	53	18.5	15	22	61	.50	.087	41	61	.91	184	.09	34	1.89	.10	.16	9	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228536	<1	11	4	38	.1	17	6	197	1.68	2	<5	<2	2	23	.2	2	3	36	.32	.036	10	25	.34	65	.10	3	.95	.03	.07	1	5
228537	<1	11	3	30	.2	13	5	216	1.47	3	<5	<2	3	23	<.2	<2	3	34	.34	.033	10	26	.38	61	.12	2	.94	.03	.07	1	5
228538	<1	9	2	26	.1	14	5	159	1.76	2	<5	<2	2	17	<.2	2	<2	36	.23	.045	9	23	.25	62	.09	3	.90	.02	.05	1	2
228539	1	33	2	46	.1	15	9	1243	3.07	5	<5	<2	<2	53	.4	<2	<2	60	1.08	.060	7	22	.62	86	.10	3	1.23	.03	.07	1	5
228540	<1	12	2	24	.1	15	4	173	1.50	2	<5	<2	3	20	<.2	<2	3	34	.28	.026	9	23	.38	48	.11	2	.86	.02	.05	<1	4
228541	1	39	4	63	<.1	20	9	616	2.37	<2	<5	<2	2	36	.2	<2	3	42	.41	.091	28	30	.41	101	.10	3	1.46	.03	.09	<1	3
228542	1	56	<2	75	.2	16	12	1275	4.00	4	<5	<2	<2	79	.6	<2	<2	69	1.67	.100	9	27	.92	110	.09	5	1.99	.03	.15	3	4
228543	<1	30	<2	44	<.1	15	8	470	2.25	3	<5	<2	2	44	.2	<2	<2	45	1.08	.062	9	24	.72	60	.12	3	1.30	.03	.12	<1	1
228544	<1	10	2	29	.1	13	4	206	1.43	2	<5	<2	2	21	<.2	<2	<2	32	.29	.026	10	22	.32	48	.11	3	.87	.02	.04	<1	5
228545	<1	7	<2	242	<.1	28	18	930	3.53	3	<5	<2	<2	21	.6	<2	<2	110	2.30	.069	2	109	1.16	54	.22	3	2.02	.02	.10	<1	6
[illegible]546	1	25	2	70	.1	18	7	308	2.64	<2	<5	<2	3	19	<.2	<2	2	55	.31	.052	7	34	.45	94	.14	3	2.15	.02	.06	<1	5
228547	1	15	3	46	<.1	13	5	283	1.88	2	<5	<2	<2	20	<.2	<2	3	42	.33	.039	6	21	.33	66	.11	4	1.05	.02	.05	1	4
228548	1	9	5	77	.1	13	6	303	2.10	3	<5	<2	<2	15	.2	<2	<2	42	.33	.070	6	19	.28	68	.11	3	1.33	.02	.06	<1	4
228549	1	25	5	45	<.1	16	8	311	2.42	<2	<5	<2	<2	35	.2	<2	4	57	.59	.011	9	29	.50	96	.14	3	1.77	.04	.09	1	1
228550	2	20	3	94	<.1	7	3	180	.65	<2	<5	<2	<2	140	<.2	<2	<2	9	3.29	.077	2	7	.29	52	.01	7	.34	.03	.04	<1	8
228551	<1	14	5	90	.2	15	8	266	2.51	2	<5	<2	<2	27	.4	2	<2	52	.40	.149	7	26	.34	99	.10	5	1.32	.03	.07	<1	2
228552	1	12	4	65	<.1	17	7	270	2.64	2	<5	<2	<2	24	.3	<2	<2	60	.38	.052	5	26	.31	78	.12	5	1.32	.02	.06	<1	<1
228553	1	11	3	62	.1	28	8	201	2.95	2	<5	<2	2	17	.2	<2	2	65	.31	.123	7	33	.41	56	.09	4	1.53	.02	.05	<1	3
228554	1	9	4	31	<.1	14	4	202	1.79	<2	<5	<2	<2	19	<.2	<2	<2	39	.27	.054	7	24	.28	55	.10	3	.90	.02	.06	<1	<1
228555	<1	11	5	24	<.1	14	3	144	1.45	<2	<5	<2	3	21	<.2	<2	<2	31	.32	.037	9	25	.38	65	.11	3	1.00	.02	.08	<1	6
228556	<1	11	3	25	<.1	13	4	142	1.50	2	<5	<2	<2	21	<.2	2	<2	32	.31	.038	9	24	.39	68	.11	3	1.03	.02	.06	1	5
228557	<1	16	2	42	.2	17	6	145	1.92	2	<5	<2	<2	24	<.2	2	2	43	.26	.025	10	25	.27	81	.10	3	1.28	.03	.06	<1	8
228558	<1	11	2	54	.1	30	8	142	2.69	<2	<5	<2	2	20	.2	<2	3	53	.29	.072	6	30	.37	94	.09	4	1.84	.02	.06	<1	<1
228559	1	23	5	44	<.1	35	8	185	2.39	2	<5	<2	2	34	<.2	<2	3	43	.31	.087	8	34	.36	201	.13	3	2.61	.03	.11	<1	7
228560	<1	4	5	22	<.1	3	1	62	1.06	<2	<5	<2	<2	12	<.2	<2	<2	24	.14	.057	4	11	.07	29	.08	3	.53	.02	.03	<1	38
228561	1	22	4	83	.3	22	8	192	2.40	4	<5	<2	3	25	.2	2	2	45	.36	.109	8	28	.36	131	.11	4	1.95	.02	.08	<1	2
228562	<1	9	3	40	.2	19	6	143	2.09	3	5	<2	3	20	.2	2	2	43	.30	.088	7	25	.24	73	.10	5	1.21	.02	.07	1	<1
228563	<1	10	3	27	<.1	15	5	146	1.95	<2	<5	<2	2	20	<.2	<2	<2	44	.26	.041	9	26	.30	59	.11	3	.96	.03	.06	<1	5
[illegible]564	<1	58	4	77	.1	17	8	322	2.38	2	<5	<2	3	31	<.2	2	2	51	.51	.036	11	26	.59	71	.15	4	1.45	.03	.10	<1	4
[illegible] 228564	<1	57	5	77	.1	18	8	325	2.41	2	<5	<2	2	31	.2	<2	2	51	.52	.037	11	26	.59	73	.15	4	1.42	.03	.09	<1	2
228565	1	18	2	54	.2	29	8	213	2.44	3	<5	<2	3	25	<.2	3	<2	50	.31	.043	9	34	.43	112	.15	3	1.67	.03	.09	<1	3
228566	<1	12	2	32	.3	15	4	169	1.60	<2	9	<2	3	22	<.2	2	<2	35	.29	.012	8	24	.32	55	.12	3	1.01	.03	.08	1	2
228567	<1	13	2	34	.1	19	6	138	2.19	<2	<5	<2	2	23	<.2	<2	2	44	.40	.049	10	31	.31	72	.12	3	1.35	.02	.10	<1	3
228568	<1	9	4	35	<.1	12	3	115	1.44	<2	<5	<2	<2	18	<.2	<2	<2	33	.27	.031	8	22	.29	51	.12	2	.83	.02	.06	<1	2
228569	<1	11	2	24	<.1	17	5	139	1.67	<2	<5	<2	2	21	<.2	<2	<2	41	.31	.028	8	31	.48	56	.12	2	.88	.03	.04	<1	7
STANDARD C/AU-S	18	59	38	125	7.4	70	30	1048	3.99	41	22	7	36	52	18.5	15	18	58	.49	.086	40	59	.94	184	.09	34	1.89	.09	.16	11	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228570	<1	7	4	24	<.1	12	3	137	1.26	7	<5	<2	2	19	.2	<2	2	28	.30	.022	9	21	.33	44	.10	<2	.82	.02	.04	1	15
228571	<1	13	6	28	.1	23	5	173	2.01	8	<5	<2	2	24	<.2	<2	<2	41	.35	.049	10	30	.47	61	.12	3	1.22	.02	.07	<1	5
228572	<1	8	<2	32	<.1	26	5	164	2.17	3	<5	<2	2	17	<.2	<2	<2	48	.29	.035	5	24	.40	41	.08	2	.87	.01	.03	<1	10
228573	1	13	<2	38	.1	36	9	322	3.98	4	<5	<2	2	22	<.2	<2	2	89	.42	.082	5	35	.63	42	.09	3	1.26	.01	.04	<1	8
228574	1	12	11	105	.2	17	8	240	3.33	8	<5	<2	2	16	.5	<2	<2	61	.27	.198	5	32	.36	71	.12	2	2.66	.01	.06	<1	1
228575	<1	14	2	64	.1	31	9	233	3.18	10	<5	<2	2	22	.6	<2	<2	67	.37	.160	6	34	.52	67	.09	<2	1.53	.01	.05	<1	7
228576	<1	8	3	29	<.1	17	4	134	1.36	5	<5	<2	2	20	<.2	2	<2	28	.30	.037	9	24	.37	52	.12	2	1.10	.01	.05	<1	5
228577	<1	6	<2	43	<.1	13	4	141	1.23	3	<5	<2	<2	20	<.2	<2	<2	26	.29	.035	8	20	.31	46	.12	<2	.92	.01	.04	<1	5
228578	<1	16	6	40	<.1	18	5	194	2.00	5	<5	<2	3	26	<.2	2	<2	39	.36	.049	10	33	.50	67	.14	<2	1.25	.02	.08	<1	5
228579	<1	8	3	32	.1	8	5	181	1.43	2	<5	<2	<2	23	<.2	<2	<2	32	.32	.028	8	22	.30	53	.11	2	.90	.02	.04	<1	<1
228580	1	15	3	38	.1	15	8	331	2.41	11	<5	<2	<2	31	<.2	<2	<2	72	.43	.029	7	28	.45	72	.14	2	1.47	.02	.05	<1	8
228581	1	14	6	44	.1	25	7	374	2.63	9	<5	<2	2	21	<.2	<2	<2	57	.32	.060	9	28	.38	87	.10	<2	1.46	.01	.03	<1	7
228582	<1	9	3	53	<.1	20	6	159	1.92	6	<5	<2	2	18	<.2	<2	<2	39	.29	.047	6	24	.36	55	.10	2	1.08	.01	.05	<1	3
228583	<1	10	<2	27	.1	15	5	177	1.64	4	<5	<2	3	24	<.2	<2	<2	36	.37	.037	11	27	.43	52	.12	<2	1.04	.02	.06	<1	4
228584	<1	9	<2	22	.1	13	3	160	1.37	6	<5	<2	3	24	<.2	2	<2	30	.35	.028	11	22	.36	49	.12	2	.82	.02	.05	<1	3
228585	<1	10	3	28	.1	11	4	157	1.40	<2	<5	<2	2	22	<.2	<2	<2	29	.29	.015	9	23	.31	48	.11	<2	.93	.02	.05	<1	<1
228586	<1	21	5	53	.2	20	7	283	1.96	5	<5	<2	2	33	.2	<2	<2	37	.41	.015	10	28	.37	88	.14	3	1.52	.02	.08	<1	5
228587	<1	16	4	36	.1	13	4	161	1.38	7	<5	<2	2	21	<.2	3	2	30	.31	.021	9	22	.38	54	.13	2	.96	.02	.05	<1	6
228588	<1	27	3	87	.2	16	7	369	2.17	10	<5	<2	2	22	<.2	<2	2	49	.54	.039	8	22	.54	59	.14	<2	1.14	.02	.08	<1	3
228589	<1	26	4	58	.1	19	7	310	2.14	5	<5	<2	2	23	<.2	<2	<2	46	.45	.033	9	24	.49	86	.13	<2	1.36	.02	.05	<1	7
228590	1	23	4	65	.1	20	7	268	2.34	5	<5	<2	2	20	<.2	2	<2	45	.38	.073	7	28	.45	94	.13	3	1.87	.01	.07	<1	<1
RE 228590	<1	23	2	64	.1	22	7	267	2.32	6	<5	<2	2	20	<.2	<2	<2	45	.38	.075	7	27	.45	98	.13	<2	1.87	.01	.07	<1	1
228591	<1	19	<2	52	.2	18	7	413	2.23	7	<5	<2	<2	26	<.2	<2	2	48	.41	.027	9	27	.45	70	.12	2	1.28	.02	.06	<1	<1
228592	<1	40	5	106	.1	19	10	469	2.83	6	<5	<2	2	25	.2	<2	<2	53	.54	.107	7	24	.58	83	.14	2	2.02	.02	.06	<1	1
228593	<1	15	<2	73	.2	22	7	272	2.17	6	<5	<2	2	23	.3	<2	<2	43	.42	.077	8	24	.44	86	.12	<2	1.37	.02	.08	<1	4
228594	<1	23	3	43	.3	17	6	182	1.88	8	<5	<2	2	26	<.2	2	<2	41	.36	.019	9	27	.38	64	.15	3	1.10	.02	.05	<1	<1
228595	<1	13	3	42	.2	22	7	189	2.20	3	<5	<2	2	21	<.2	<2	<2	44	.32	.045	8	28	.44	68	.12	2	1.33	.02	.05	<1	5
228596	<1	10	3	30	.1	16	5	176	1.51	5	<5	<2	2	24	.3	<2	2	32	.36	.035	10	25	.40	69	.11	<2	1.06	.02	.05	<1	8
228597	<1	9	<2	34	.1	15	4	166	1.46	5	<5	<2	3	23	<.2	<2	<2	32	.34	.024	10	25	.41	56	.13	5	1.05	.02	.05	<1	2
228598	<1	26	3	72	.2	34	8	279	2.55	6	<5	<2	2	24	<.2	<2	<2	49	.35	.044	8	33	.54	99	.12	3	1.91	.02	.07	<1	2
228599	1	15	5	76	.1	19	8	358	2.65	4	<5	<2	2	20	<.2	<2	3	54	.31	.103	5	25	.37	64	.11	6	1.97	.02	.04	1	2
228600	1	32	<2	95	.1	25	10	339	3.48	2	<5	<2	2	23	<.2	<2	<2	74	.40	.112	6	34	.59	90	.13	2	2.53	.02	.05	<1	<1
228601	<1	33	3	34	.1	17	5	264	2.19	8	<5	<2	3	32	<.2	<2	<2	49	.41	.034	17	34	.53	78	.14	2	1.44	.02	.08	<1	7
228602	<1	10	2	29	.1	20	5	154	1.51	6	<5	<2	2	25	.2	<2	<2	32	.34	.043	9	26	.42	82	.12	2	1.20	.02	.05	<1	3
228603	<1	13	3	45	.1	33	9	162	2.06	5	<5	<2	3	25	<.2	<2	<2	39	.32	.057	9	35	.43	119	.13	3	1.76	.02	.06	<1	3
STANDARD C/AU-S	17	59	37	123	6.6	68	30	1074	3.93	44	20	7	35	52	18.5	14	18	55	.52	.086	38	55	.93	191	.09	33	1.88	.06	.14	10	53

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228604	<1	15	6	61	.3	35	10	149	2.24	<2	<5	<2	3	28	.3	2	3	40	.35	.081	10	40	.45	119	.12	3	2.07	.03	.11	<1	5
228605	<1	11	4	38	.3	18	6	150	1.60	3	<5	<2	3	24	.2	<2	<2	33	.33	.038	10	28	.40	77	.12	4	1.12	.03	.07	1	5
228606	<1	14	3	29	.2	17	7	185	1.91	3	<5	<2	4	27	.2	<2	<2	40	.38	.042	11	31	.49	66	.13	4	1.05	.03	.10	<1	5
228607	<1	7	5	46	.2	16	6	140	1.93	<2	<5	<2	2	25	.3	<2	<2	38	.31	.074	8	27	.31	65	.11	3	1.22	.03	.08	1	3
228608	1	37	5	82	.3	20	10	316	2.86	<2	<5	<2	2	46	.4	<2	<2	69	.68	.037	9	34	.57	105	.14	3	2.25	.04	.10	<1	4
228609	<1	28	4	109	.2	25	11	445	3.29	<2	<5	<2	<2	25	.3	<2	<2	67	.47	.113	8	31	.63	76	.12	3	2.34	.03	.07	<1	<1
228610	1	34	4	99	.1	25	11	409	3.48	3	<5	<2	2	24	.4	<2	<2	67	.49	.124	8	33	.67	120	.13	4	3.18	.03	.07	<1	115
228611	<1	63	4	139	.3	22	13	487	3.72	<2	<5	<2	2	22	.3	<2	<2	73	.66	.122	7	29	.71	91	.16	3	3.03	.03	.07	<1	2
228612	<1	15	5	71	.3	13	6	243	2.06	2	<5	<2	2	22	.3	<2	<2	44	.44	.071	7	23	.32	89	.11	3	1.33	.03	.08	<1	3
228613	<1	13	4	34	.1	14	5	173	1.87	<2	<5	<2	2	23	<.2	<2	<2	42	.37	.041	9	24	.36	62	.12	3	1.02	.03	.06	<1	3
[illegible]614	<1	16	5	55	.1	23	9	201	2.61	<2	<5	<2	2	31	.3	<2	<2	51	.41	.071	8	35	.46	112	.15	3	1.58	.03	.08	<1	2
228615	<1	11	3	32	.2	15	5	161	1.59	2	5	<2	3	24	.2	2	<2	35	.37	.037	11	24	.39	68	.12	4	1.03	.03	.06	<1	10
228616	<1	11	4	29	.2	16	5	187	1.77	2	<5	<2	3	23	<.2	<2	2	39	.37	.038	11	27	.44	59	.12	3	1.00	.03	.08	<1	2
228617	<1	12	4	45	.1	16	5	160	1.65	2	<5	<2	2	21	<.2	<2	<2	36	.28	.020	8	26	.35	69	.12	2	1.09	.03	.06	1	9
228618	<1	9	3	47	.2	20	6	181	2.03	2	<5	<2	2	29	.3	2	2	38	.40	.107	9	31	.36	106	.11	4	1.18	.03	.09	1	2
228619	<1	18	5	33	.1	17	5	168	1.78	2	<5	<2	3	31	.2	<2	<2	42	.43	.034	15	32	.40	70	.12	4	1.11	.04	.08	<1	6
228620	3	61	3	52	.4	17	10	1206	3.52	2	<5	<2	<2	59	.5	<2	<2	63	1.09	.069	11	33	.58	144	.08	3	1.86	.04	.11	<1	<1
228621	2	125	5	60	.6	27	11	858	3.59	2	<5	<2	2	73	.5	<2	2	73	1.25	.064	14	39	.63	170	.10	3	2.40	.04	.14	<1	1
228622	1	22	4	99	.3	13	8	422	2.72	<2	<5	<2	2	42	.5	<2	<2	54	.68	.061	7	24	.41	146	.12	3	1.70	.04	.09	<1	5
228623	1	34	4	111	.1	13	13	405	3.45	<2	<5	<2	<2	37	.5	<2	<2	67	.63	.094	5	24	.79	110	.17	3	2.08	.03	.10	<1	2
228624	2	129	5	64	.5	36	11	588	5.37	<2	<5	<2	3	67	.5	<2	<2	78	1.11	.068	17	59	.76	221	.13	2	3.53	.05	.21	<1	7
RE 228625	<1	7	3	37	.1	10	3	190	1.38	<2	<5	<2	<2	22	.2	<2	<2	28	.24	.071	7	20	.17	75	.09	3	.89	.02	.05	1	4
228625	<1	6	5	37	<.1	11	3	193	1.41	<2	<5	<2	<2	22	<.2	<2	<2	28	.26	.074	6	21	.18	74	.09	2	.90	.02	.05	<1	1
228626	<1	13	5	56	<.1	24	7	186	2.28	2	<5	<2	2	24	.2	<2	2	45	.31	.079	10	36	.40	105	.12	2	1.55	.03	.09	<1	3
228627	<1	12	4	37	.2	20	6	129	1.91	<2	<5	<2	3	24	.2	<2	2	39	.29	.046	10	32	.35	84	.12	2	1.32	.02	.07	<1	3
228628	<1	16	5	46	.1	24	7	158	2.21	2	<5	<2	2	24	.3	<2	<2	45	.35	.068	9	34	.38	101	.11	4	1.48	.02	.09	1	5
228629	<1	12	6	49	.1	23	6	145	1.95	3	<5	<2	2	25	<.2	2	<2	39	.29	.052	9	32	.36	92	.12	3	1.39	.03	.08	1	6
228630	<1	8	4	36	<.1	14	4	117	1.22	<2	<5	<2	2	21	<.2	<2	2	28	.29	.029	9	22	.33	51	.12	3	.91	.03	.05	<1	6
[illegible]651	1	24	3	74	.1	23	9	282	2.98	3	<5	<2	2	23	.2	<2	<2	61	.37	.110	6	32	.51	94	.11	3	2.51	.02	.08	<1	<1
[illegible]d652	<1	15	3	54	<.1	22	7	235	2.66	2	<5	<2	<2	23	<.2	<2	<2	65	.34	.033	6	32	.53	63	.12	3	1.20	.02	.07	<1	2
228653	<1	11	4	34	.1	13	4	170	1.56	3	<5	<2	2	26	<.2	<2	<2	35	.37	.035	11	26	.43	59	.13	4	1.01	.03	.08	<1	4
228654	<1	15	6	28	<.1	15	5	177	1.66	3	<5	<2	3	27	<.2	<2	<2	37	.39	.035	12	30	.44	60	.13	2	1.00	.03	.10	<1	15
228655	<1	23	5	34	<.1	15	5	187	1.58	<2	<5	<2	2	27	<.2	<2	<2	35	.36	.026	11	26	.46	51	.13	2	1.01	.03	.08	<1	4
228656	1	53	3	41	.1	21	8	251	2.22	4	<5	<2	3	32	<.2	<2	<2	52	.45	.042	11	33	.62	86	.15	3	1.47	.03	.10	<1	6
228657	1	24	4	68	.3	18	8	399	2.12	3	<5	<2	<2	33	.3	2	3	45	.48	.035	10	26	.36	102	.10	4	1.17	.03	.10	<1	5
STANDARD C/AU-S	18	61	38	125	7.0	71	30	1063	3.96	41	17	8	36	53	18.3	14	18	59	.49	.086	40	60	.94	185	.09	34	1.89	.10	.17	11	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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	Au** ppb
228658	<1	12	3	42	<.1	16	6	169	1.97	2	<5	<2	<2	25	<.2	2	2	44	.34	.055	9	29	.36	61	.10	4	1.02	.03	.09	1	3
228659	1	13	5	65	<.1	23	7	185	2.34	2	<5	<2	<2	22	<.2	<2	3	47	.34	.126	8	32	.44	83	.10	3	1.41	.02	.08	<1	2
RE 228659	<1	12	5	64	.3	23	6	183	2.32	<2	<5	<2	2	22	.2	<2	<2	47	.33	.122	9	31	.43	84	.10	2	1.36	.02	.07	<1	3
228660	1	13	6	78	.1	22	8	175	2.88	<2	<5	<2	<2	18	<.2	<2	4	56	.25	.206	7	31	.33	73	.10	2	2.98	.02	.08	<1	4
228661	1	15	5	80	.1	21	7	184	2.31	<2	<5	<2	<2	16	<.2	<2	<2	45	.27	.103	6	24	.35	87	.10	3	1.97	.02	.06	<1	1
228662	1	15	6	118	.2	16	9	1253	2.91	3	<5	<2	<2	22	<.2	<2	2	58	.40	.181	7	22	.42	157	.12	2	2.13	.02	.06	<1	<1
228663	<1	7	5	36	.2	11	5	249	1.61	<2	<5	<2	<2	19	<.2	<2	<2	37	.27	.063	6	19	.23	57	.09	2	.97	.02	.06	<1	3
228664	1	25	4	82	<.1	15	9	465	2.89	2	<5	<2	<2	26	.2	<2	<2	61	.44	.103	5	26	.51	89	.10	4	2.03	.02	.06	<1	1
228665	1	14	4	43	<.1	20	7	221	2.04	<2	<5	<2	<2	26	<.2	<2	<2	43	.36	.044	8	30	.42	72	.12	3	1.30	.03	.09	<1	<1
228666	<1	9	2	32	.2	18	7	194	1.80	<2	<5	<2	2	20	<.2	<2	<2	39	.28	.056	8	27	.35	61	.10	3	.90	.02	.07	<1	4
228667	<1	12	4	34	.3	25	7	148	1.81	5	<5	<2	3	22	.2	5	<2	37	.27	.050	9	31	.37	78	.11	3	1.22	.02	.05	1	2
228668	<1	10	4	40	.2	27	7	141	1.90	3	<5	<2	2	21	<.2	2	<2	37	.26	.072	9	32	.35	94	.10	3	1.35	.02	.06	1	3
228669	<1	10	2	40	<.1	22	6	157	1.67	<2	<5	<2	<2	18	<.2	<2	<2	35	.24	.043	8	28	.34	77	.10	2	1.11	.02	.05	<1	3
228670	<1	29	4	37	.2	25	7	256	2.42	6	<5	<2	3	31	.2	2	<2	50	.37	.037	14	43	.61	95	.14	3	1.29	.03	.15	1	7
STANDARD C/AU-S	18	59	38	125	6.7	70	31	1044	4.00	43	18	7	35	52	18.7	14	20	59	.50	.086	40	60	.93	183	.09	34	1.88	.10	.15	11	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21 -	223186	<5	<.2	2.13	5	2	75	10	.54	<1	13	21	48	2.23	.05	<10	.54	363	<1	.01	9	900	12	5	<20	41	.13	<10	66	<10	14	38
22 -	223187	<5	<.2	1.89	5	2	75	15	.44	<1	15	28	45	3.64	.06	<10	.61	302	<1	.01	10	550	10	5	<20	37	.15	<10	117	<10	13	59
23 -	223188	<5	<.2	1.23	10	<2	60	10	.29	<1	10	17	32	2.37	.05	<10	.24	167	<1	.01	6	590	8	5	<20	20	.11	<10	71	<10	9	46
24 -	223189	150	<.2	5.56	20	<2	350	<5	.89	<1	23	8	289	5.48	.09	<10	1.55	374	1	.01	11	1350	20	15	<20	218	.04	<10	124	<10	3	73
25 -	223190	10	<.2	2.93	10	2	80	20	.31	<1	19	15	52	5.35	.05	<10	.51	418	1	.01	7	910	16	10	<20	34	.14	<10	169	<10	10	68
26 -	223191	<5	<.2	3.04	20	2	150	15	1.12	<1	28	31	113	5.45	.10	<10	1.23	852	<1	.03	13	750	10	15	<20	84	.19	<10	167	<10	23	52
27 -	223192	5	<.2	2.90	10	2	130	10	.72	<1	21	27	119	5.03	.09	<10	.78	444	<1	.01	17	1850	10	15	<20	61	.15	<10	160	<10	16	55
28 -	223193	<5	<.2	3.09	10	<2	175	15	.72	<1	21	28	63	4.30	.10	<10	.87	549	<1	.01	14	1170	12	15	<20	75	.14	<10	118	<10	13	78
29 -	223194	5	<.2	1.99	15	2	105	10	.64	<1	14	21	52	3.13	.07	<10	.68	344	<1	.01	9	1020	10	10	<20	44	.15	<10	101	<10	15	51
30 -	223195	25	<.2	2.83	15	<2	180	10	.59	<1	18	19	59	3.79	.05	<10	.51	250	<1	.01	11	1140	12	10	<20	47	.10	<10	101	<10	11	41
31 -	223196	<5	<.2	2.49	5	<2	140	5	.57	<1	15	25	60	3.23	.07	<10	.53	314	<1	.01	13	1160	12	5	<20	43	.11	<10	90	<10	12	41
32 -	223197	<5	<.2	1.98	15	<2	75	5	.71	<1	20	16	133	3.89	.09	<10	.90	441	<1	.01	6	1220	6	5	<20	49	.17	<10	126	<10	17	34
33 -	223198	515	<.2	2.09	10	2	70	5	.69	<1	16	20	124	3.50	.05	<10	.71	478	<1	.01	9	640	10	10	<20	45	.14	<10	110	<10	15	49
34 -	223199	10	<.2	4.07	20	2	150	<5	.69	<1	24	27	375	5.45	.08	<10	.83	438	<1	.01	19	1730	18	10	<20	41	.13	<10	154	<10	14	60
35 -	223200	<5	<.2	3.10	10	2	135	15	.43	<1	19	24	77	4.58	.06	<10	.54	515	1	.01	11	2110	16	15	<20	40	.12	<10	119	<10	12	62
36 -	223201	5	<.2	3.86	15	2	95	10	.45	<1	21	26	141	4.91	.07	<10	.86	392	<1	.01	18	2200	16	15	<20	37	.12	<10	127	<10	12	66
37 -	223202	5	<.2	2.48	10	2	140	10	.74	<1	21	26	93	4.13	.09	<10	1.13	428	<1	.01	19	1200	12	15	<20	56	.18	<10	133	<10	19	53
38 -	223203	10	<.2	2.47	10	2	195	15	.82	<1	21	34	68	4.47	.09	<10	1.05	565	<1	.02	22	580	12	15	<20	79	.17	<10	127	<10	16	52
9 -	223204	<5	<.2	2.73	25	2	210	15	1.33	<1	27	34	92	5.66	.12	10	1.21	1005	<1	.03	39	1550	8	10	<20	111	.14	<10	140	<10	20	50
40 -	223205	5	<.2	3.65	35	2	280	<5	1.78	<1	24	35	219	4.98	.09	30	.78	1554	1	.02	22	1830	16	10	<20	154	.07	<10	184	<10	39	50
41 -	223206	10	<.2	2.30	10	2	140	10	1.01	<1	21	25	80	3.74	.12	10	.92	683	<1	.03	15	1680	10	15	<20	83	.18	<10	117	<10	21	53
42 -	223207	45	<.2	3.19	10	<2	175	10	.63	<1	19	30	86	4.02	.11	<10	.73	501	<1	.01	16	1230	14	10	<20	59	.13	<10	105	<10	14	51
43 -	223208	15	<.2	2.08	10	2	105	10	.47	<1	12	21	58	2.70	.05	<10	.48	230	<1	.01	11	790	12	10	<20	42	.13	<10	75	<10	14	40
44 -	223209	<5	<.2	2.13	15	2	75	10	.43	<1	15	16	65	4.22	.05	<10	.52	330	<1	.01	7	1300	10	10	<20	34	.13	<10	122	<10	11	48
45 -	223210	<5	<.2	2.42	10	2	70	15	.28	<1	11	29	14	3.84	.04	<10	.23	197	<1	.01	7	3210	14	5	<20	19	.11	<10	98	<10	8	73

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
46 -	223211	<5	<.2	1.98	5	2	85	20	.47	<1	19	47	26	7.51	.05	<10	.50	327	<1	.01	18	1260	6	10	<20	27	.09	<10	218	<10	7	53
47 -	223212	10	<.2	3.13	10	2	110	20	.46	<1	17	43	38	4.73	.08	<10	.42	250	1	.01	20	1340	16	10	<20	27	.15	<10	122	<10	14	67
48 -	223213	<5	<.2	1.97	5	2	90	15	.34	<1	15	38	36	4.81	.05	<10	.44	381	<1	.01	16	1940	8	10	<20	17	.09	<10	132	<10	7	91
49 -	223214	<5	<.2	2.23	5	2	75	15	.39	<1	14	34	25	3.44	.05	<10	.44	294	<1	.01	19	1980	12	10	<20	19	.09	<10	85	<10	8	50
50 -	223215	<5	<.2	2.43	15	2	80	20	.39	<1	19	42	35	4.46	.09	<10	.64	476	1	.01	37	1890	14	10	<20	21	.14	<10	119	<10	12	103
51 -	223216	<5	<.2	1.34	5	<2	55	5	.50	<1	14	26	54	2.69	.06	<10	.64	623	<1	.02	12	390	6	10	<20	21	.13	<10	73	<10	12	47
52 -	223217	<5	<.2	2.61	5	<2	80	10	.28	<1	17	41	22	3.50	.06	<10	.49	347	<1	.01	18	1450	14	5	<20	20	.12	<10	96	<10	10	62
53 -	223218	<5	<.2	1.07	5	2	45	10	.41	<1	8	24	13	1.46	.05	<10	.33	195	<1	.01	11	560	6	5	<20	20	.11	<10	44	<10	11	21
54 -	223219	<5	<.2	1.51	10	<2	85	10	.34	<1	12	34	15	2.35	.06	<10	.42	217	<1	.01	18	470	8	5	<20	23	.10	<10	63	<10	10	23
55 -	223220	<5	<.2	2.31	5	2	85	10	.30	<1	13	34	13	2.95	.05	<10	.30	222	<1	.01	19	900	12	5	<20	21	.10	<10	74	<10	10	42
56 -	223221	<5	<.2	2.09	10	2	100	15	.32	<1	14	38	17	3.06	.05	<10	.42	223	<1	.01	23	810	10	5	<20	21	.10	<10	80	<10	10	33
57 -	223222	<5	<.2	2.97	10	2	125	15	.30	<1	15	37	16	3.10	.04	<10	.28	193	1	.01	23	1380	16	10	<20	23	.12	<10	74	<10	11	37
58 -	223223	10	<.2	3.46	5	2	120	15	.30	<1	14	39	16	3.70	.04	<10	.25	216	<1	.01	16	2200	18	5	<20	29	.13	<10	89	<10	8	60
59 -	223224	<5	<.2	1.15	5	2	55	5	.36	<1	9	26	11	1.90	.03	<10	.31	248	<1	.01	12	460	6	<5	<20	24	.11	<10	54	<10	8	28
60 -	223225	5	<.2	1.45	5	<2	75	5	.28	<1	10	27	16	2.54	.03	<10	.23	136	<1	.01	15	630	6	<5	<20	19	.08	<10	67	<10	6	20
61 -	223226	<5	<.2	1.24	10	2	75	5	.35	<1	11	30	19	3.21	.04	<10	.41	229	<1	.01	18	730	4	<5	<20	21	.08	<10	88	<10	5	25
62 -	223227	<5	<.2	2.29	5	2	125	10	.46	<1	18	55	38	3.33	.13	<10	.72	440	<1	.01	33	730	14	10	<20	34	.16	<10	82	<10	11	48
63 -	223228	10	<.2	1.64	5	2	75	10	.29	<1	11	29	13	2.48	.04	<10	.21	297	<1	.01	12	1020	10	<5	<20	25	.10	<10	64	<10	6	48
64 -	223229	<5	<.2	1.44	5	2	80	10	.44	<1	12	33	12	2.52	.04	<10	.37	203	<1	.01	18	760	8	5	<20	27	.11	<10	69	<10	7	32
65 -	223230	5	<.2	2.85	10	2	125	10	.47	<1	19	48	25	3.74	.07	<10	.53	283	<1	.01	38	2180	14	5	<20	33	.12	<10	89	<10	6	82
66 -	223231	<5	<.2	1.07	5	2	50	5	.44	<1	7	25	23	1.44	.03	<10	.34	201	<1	.01	9	420	6	<5	<20	25	.14	<10	45	<10	11	25
67 -	223232	5	<.2	1.43	10	2	70	10	.51	<1	12	30	25	2.21	.05	<10	.48	383	<1	.01	12	470	8	<5	<20	27	.12	<10	70	<10	9	44
68 -	223235	<5	<.2	3.30	10	2	165	5	1.08	<1	19	52	76	4.66	.15	<10	.83	585	<1	.02	30	390	14	5	<20	58	.12	<10	125	<10	17	67
69 -	223236	<5	.4	.19	5	2	40	<5	1.67	<1	6	2	21	.50	.02	<10	.14	1138	<1	<.01	3	260	2	<5	<20	73	<.01	<10	13	<10	5	29
70 -	223237	<5	.2	.51	5	2	50	<5	1.64	<1	3	8	52	.66	.02	10	.15	649	<1	<.01	8	360	4	<5	<20	61	<.01	<10	23	<10	13	23

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
71 -	223238	<5	<.2	1.48	10	2	85	<5	.47	<1	13	33	84	3.13	.05	<10	.43	317	1	.01	17	230	8	5	<20	33	.11	<10	90	<10	12	34
72 -	223239	<5	<.2	1.22	10	2	65	5	.62	<1	12	33	43	3.11	.08	<10	.67	355	<1	.01	20	670	4	10	<20	28	.09	<10	86	<10	8	37
73 -	223240	<5	.4	.10	5	6	145	<5	3.78	<1	13	3	57	3.32	.02	<10	.32	4996	33	.01	4	550	<2	10	<20	143	<.01	10	11	<10	<1	47
74 -	223241	<5	<.2	1.86	5	2	100	<5	.64	<1	12	33	107	3.26	.08	<10	.45	732	3	.01	15	370	10	5	<20	40	.08	<10	89	<10	10	37
75 -	223242	<5	<.2	4.22	5	2	185	10	.44	<1	23	56	77	5.27	.13	<10	.64	474	<1	.02	31	2030	18	5	<20	40	.17	<10	123	<10	12	139
76 -	223243	<5	<.2	2.42	5	2	75	10	.37	<1	14	41	21	3.95	.05	<10	.35	216	<1	.01	17	1960	12	10	<20	21	.12	<10	97	<10	8	69
77 -	223244	<5	<.2	1.28	5	2	55	5	.34	<1	11	36	29	2.82	.05	<10	.38	228	<1	.01	17	510	4	5	<20	17	.11	<10	78	<10	7	37
78 -	223245	<5	<.2	1.80	5	2	75	5	.32	<1	14	38	51	2.93	.05	<10	.44	224	<1	.01	25	580	8	5	<20	20	.12	<10	77	<10	7	45
79 -	223246	<5	<.2	1.88	5	2	75	10	.33	<1	16	46	34	3.24	.08	<10	.61	348	<1	.01	20	680	10	10	<20	19	.13	10	85	<10	8	69
80 -	223247	<5	<.2	1.08	5	<2	55	5	.36	<1	10	33	34	2.26	.04	<10	.39	219	<1	.01	15	450	4	<5	<20	22	.10	<10	64	<10	7	28
81 -	223248	<5	<.2	1.74	10	2	85	10	.31	<1	11	34	14	2.39	.05	<10	.39	188	<1	.01	21	540	8	5	<20	23	.11	<10	61	<10	7	35
82 -	223249	<5	<.2	1.90	5	2	100	5	.38	<1	14	42	33	3.08	.07	<10	.57	279	<1	.01	19	390	8	5	<20	25	.12	<10	87	<10	7	48
QC/DATA:																																
Repeat#:																																
18 -	223183		<.2	3.71	10	2	250	5	1.05	<1	20	42	103	3.89	.11	10	.93	767	<1	.02	25	1110	26	5	<20	140	.08	<10	104	<10	16	94
56 -	223221		<.2	1.93	5	2	95	10	.30	<1	13	36	15	2.87	.04	<10	.39	209	<1	.01	22	740	8	<5	<20	15	.09	<10	74	<10	9	31
81 -	223248		<.2	1.82	5	2	90	10	.33	<1	12	36	15	2.49	.06	<10	.41	199	<1	.01	22	540	10	<5	<20	25	.11	<10	64	<10	8	36
STANDARD 1991:			1.0	1.98	65	4	125	10	1.75	<1	21	66	77	4.05	.39	<10	.96	721	<1	.02	23	650	18	15	<20	61	.11	<10	82	<10	15	66
STANDARD 1991:			1.2	1.89	65	2	125	10	1.73	<1	20	66	80	3.84	.40	<10	.97	710	<1	.02	25	660	26	15	<20	61	.11	<10	80	<10	13	74

NOTE: < = LESS THAN
> = GREATER THAN

cc: David Blann
Lac La Hache, B.C.

SC93/Strathcona

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

STRATHCONA MINERAL SERVICES LTD. - ETK400

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21 -	223271	20	<.2	1.38	10	4	55	15	.41	<1	13	25	27	3.72	.06	<10	.35	227	<1	<.01	12	950	24	5	<20	27	.09	<10	105	<10	6	45
22 -	223300	25	<.2	1.97	10	4	105	10	.44	<1	12	38	34	2.77	.06	<10	.38	186	3	.01	18	550	36	5	<20	27	.11	<10	72	<10	10	46
23 -	223301	<5	<.2	1.48	10	6	70	10	.56	<1	14	31	33	2.72	.05	<10	.52	310	4	.01	15	230	26	5	<20	25	.12	<10	79	<10	11	52
24 -	223302	20	<.2	2.52	20	6	150	15	.74	<1	17	30	40	4.40	.10	<10	.62	285	9	.01	14	1770	44	5	<20	37	.13	<10	108	<10	12	67
25 -	223303	5	<.2	1.56	5	6	85	10	.36	<1	12	33	19	2.33	.05	<10	.40	204	1	.01	20	460	26	5	<20	22	.11	<10	64	<10	9	35
6 -	223305	10	<.2	1.53	5	4	75	10	.68	<1	12	33	18	2.25	.08	10	.52	267	13	.01	17	270	32	5	<20	29	.09	<10	63	<10	10	33
27 -	223306	15	<.2	1.39	5	6	50	10	.56	<1	13	33	26	2.51	.06	<10	.53	440	2	.01	14	230	20	<5	<20	29	.13	<10	74	<10	14	48
28 -	223308	10	<.2	2.52	5	6	80	10	.45	<1	17	24	23	3.29	.04	<10	.64	803	1	.01	12	1110	40	5	<20	30	.13	<10	83	<10	11	77
29 -	223309	5	<.2	3.79	10	6	85	15	.39	<1	17	26	32	4.11	.06	<10	.72	536	3	.01	13	2180	58	5	<20	26	.14	<10	89	<10	11	119
30 -	223310	<5	<.2	2.71	5	4	215	10	.68	<1	17	26	63	3.47	.04	<10	.90	487	1	.01	14	270	40	5	<20	32	.13	<10	93	<10	11	70
31 -	223311	<5	<.2	1.69	5	6	90	5	.37	<1	12	32	17	2.49	.05	<10	.37	221	<1	.01	16	540	26	5	<20	23	.12	<10	69	<10	10	32
32 -	223312	5	<.2	1.55	10	6	70	5	.34	<1	12	29	23	2.42	.05	<10	.33	361	<1	.01	12	520	26	5	<20	21	.11	<10	65	<10	11	49
33 -	223313	<5	<.2	2.13	5	6	90	5	.37	<1	14	32	40	3.48	.05	<10	.37	255	1	<.01	16	1640	32	5	<20	21	.10	<10	82	<10	7	92
34 -	223315	10	<.2	2.31	5	6	130	<5	.99	<1	15	41	326	3.46	.08	10	.58	494	9	.01	26	420	34	5	<20	45	.11	<10	86	<10	19	61
35 -	223316	<5	<.2	1.74	10	6	90	5	.76	<1	15	41	64	2.78	.07	10	.54	456	4	.01	20	200	28	5	<20	36	.14	<10	84	<10	17	41
36 -	223317	<5	<.2	1.41	5	6	75	5	.42	<1	10	30	20	2.34	.05	<10	.34	283	<1	.01	15	980	24	<5	<20	26	.10	<10	64	<10	9	41
37 -	223318	5	<.2	2.39	5	6	90	10	.50	<1	17	46	65	3.67	.08	<10	.69	395	<1	.01	23	1510	36	5	<20	23	.15	<10	86	<10	13	62
38 -	223319	<5	<.2	1.88	10	6	90	10	.39	<1	13	36	14	2.59	.05	<10	.34	156	1	.01	20	720	30	<5	<20	22	.10	<10	63	<10	9	30
39 -	223320	10	<.2	1.52	5	6	75	5	.40	<1	11	32	20	2.51	.06	<10	.36	260	<1	.01	15	780	26	<5	<20	22	.11	<10	68	<10	10	39
40 -	223321	10	<.2	2.21	10	6	60	10	.55	<1	17	27	44	3.43	.06	<10	.65	411	1	.01	13	710	34	5	<20	37	.13	<10	89	<10	12	66
41 -	223322	15	<.2	3.40	5	6	70	15	.44	<1	17	30	38	4.11	.06	<10	.78	517	1	.01	17	1650	52	5	<20	35	.16	<10	99	<10	12	88
42 -	223323	<5	<.2	1.43	15	6	45	5	.64	<1	15	28	57	2.96	.06	<10	.61	430	<1	.01	11	410	20	5	<20	38	.15	<10	88	<10	15	44
43 -	223324	<5	<.2	2.41	5	6	55	10	.78	<1	25	21	119	4.22	.07	<10	1.22	714	<1	.01	14	270	34	10	<20	32	.26	<10	110	<10	23	113
44 -	223325	<5	<.2	1.66	10	6	70	<5	.50	<1	11	27	90	2.44	.05	<10	.48	453	2	.01	14	300	26	5	<20	22	.11	<10	71	<10	12	39
45 -	223326	<5	<.2	1.74	5	6	80	5	.68	<1	15	30	52	2.89	.06	<10	.67	732	1	.01	15	330	26	5	<20	29	.14	<10	76	<10	14	70

STRATHCONA MINERAL SERVICES LTD. - ETK400

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
46 -	223327	10	<.2	1.33	5	6	80	5	.54	<1	12	29	24	1.86	.08	<10	.44	430	<1	.01	13	520	26	<5	<20	23	.12	<10	57	<10	12	35
47 -	223328	<5	<.2	1.41	10	4	50	5	.54	<1	13	22	21	2.34	.03	<10	.65	336	<1	.01	11	650	22	5	<20	23	.12	<10	74	<10	12	46
48 -	223329	5	<.2	2.28	5	6	90	10	.64	<1	19	35	27	3.27	.07	<10	.56	480	3	.01	20	460	34	<5	<20	33	.12	<10	85	<10	13	54
49 -	223330	10	<.2	1.11	10	4	70	5	.67	<1	10	30	18	1.87	.06	<10	.39	354	2	.01	14	330	18	<5	<20	31	.11	<10	53	<10	13	30
50 -	223304 *																															
1 -	223307 *																															
2 -	223314 *																															

NOTE: < = LESS THAN
> = GREATER THAN
* = SAMPLE NOT RECEIVED WITH SHIPMENT

cc: David Blann
Lac La Hache, B.C.

SC93/Strathcona

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FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

APPENDIX 2

Vancouver Petrographics Ltd.

8080 GLOVER ROAD. LANGLEY. B.C. V3A 4P9
PHONE (604) 888-1323 · FAX (604) 888-3642

Report for: David Blann,
Standard Metals Exploration Ltd.,
P.O. Box 756,
SQUAMISH, B.C.
V0N 3G0

Job 930605

October 27th, 1993

SAMPLES:

One rock sample, marked D62, was submitted for petrographic examination. It was prepared as a polished thin section, as requested.

DESCRIPTION:

SKARN

Estimated mode

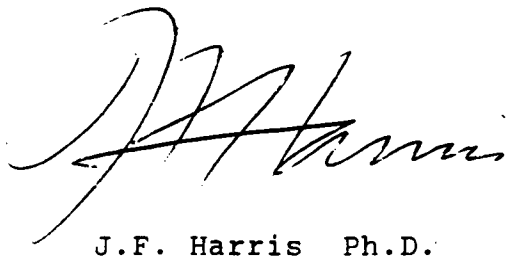
Garnet	70
Diopside	25
Carbonate	5
Quartz	trace
Chlorite	trace
Epidote	trace
Bornite	trace
Covellite	trace
Limonite	trace
Malachite	trace

This is a skarnic aggregate of simple mineralogy, consisting predominantly of a featureless matrix of compact, fine-grained, anhedral garnet, of grain size 20 - 200 microns. The principal accessory, diopside, occurs as individual prismatic subhedra, 100 - 500 microns in size, more or less abundantly disseminated through the garnet matrix.

The latter has a vuggy porosity on the scale of 10 - 200 microns, which is cemented by carbonate - sometimes with intergrown tiny granules of diopside. There are also a few coarser, angular, carbonate-filled vugs, to 500 microns or more. Fine-grained carbonate is sometimes developed peripheral to the diopside grains. Traces of quartz and chlorite are seen as clumps in a few vugs

The sectioned portion includes a couple of tiny, thread-like segregations of bornite, 50 - 200 microns thick. The bornite shows partial alteration to limonite, diffusely flecked with covellite. There is also local peripheral development of malachite. The bornite is shot through with minute, micron-sized lamellae of exsolved chalcopyrite.

The skarnic host shows local modification to envelopes of epidote at the contacts of the bornite threads and specks.



J.F. Harris Ph.D.

(929-5867)