ASSESSMENT REPORT

GEOLOGICAL AND GEOCHEMICAL SURVEYS ON THE LAC LA HACHE PROPERTY (Two Mile Lake group)

Longitude 121° 25', Latitude 52° 05'
Cariboo Mining District, B.C.

93A/3W

By R.J. Aulis, BSc., PGeo

Owner:
GWR Resources Inc.
204-20641 Logan Ave.,
Langley, B.C.,
V3A 7R3

Operator:
Regional Resources Ltd
12th Floor, 20 Toronto St.,
Toronto, Ontario
M5C 2B8

September 29, 1993

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1.0 SUMMARY.

In May and June of 1993 an exploration program comprising soil and silt geochemistry, geological mapping and rock geochemistry was completed on the Lac La Hache property - (Two Mile Lake group). A total of 275 soil, 85 silt, and 40 rock samples were collected and analyzed. Silt samples were collected from all suitable streams about the property and were, with only a couple minor exceptions, of background values, reflecting the presence of deep glacial till in this region. Soil sample lines were scattered over the property above areas of geological interest or inadequate previous geochemical testing. Two areas with anomalous copper/gold in soils were outlined, one along an east-west ridge of medium grained, weakly altered monzonite south of Bluff Lake, the other on the Ace 2 claim near an area of anomalous copper in soil outlined by Craigmont Mines Ltd. in 1973. The latter area is recommended for approximately 6 km of induced polarization. Mapping east of this region has revealed weakly mineralized diorite dykes while Tertiary basalts cover the Triassic lithologies to the east. The Bluff Lake copper anomaly is believed to be related to non-economic occurrences of pyrite/chalcopyrite as observed in fractures within the weakly altered monzonite. Further mapping is required in this area and if more favorable geology is encountered, IP may be warranted.

2.0 INTRODUCTION

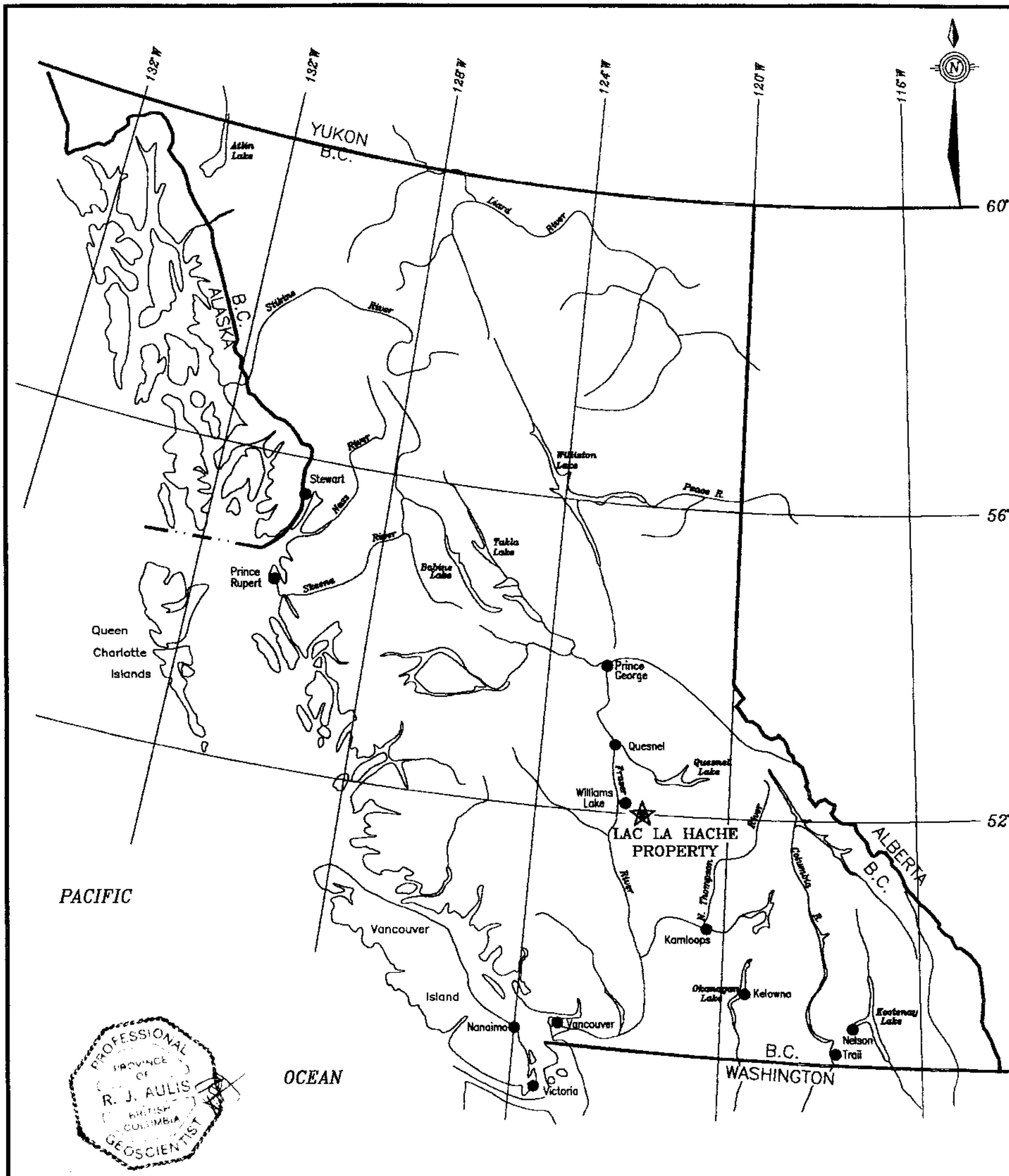
The Lac La Hache property (Two Mile Lake Group) is located near Lac La Hache, B.C., and comprises 440 units which form part of a larger block of claims under option to Regional Resources Inc. from GWR Resources Inc. Exploration on that property is performed by Strathcona Mineral Services Limited, Toronto, Ontario, on behalf of Regional Resources. It is a porphyry copper-gold prospect which has had sporadic past exploration programs. The work was conducted during the period May 29 to June 21, 1993 by Standard Metals Exploration Ltd on behalf of GWR Resources Inc. Personnel involved were D. Blann, P.Eng, R.J. Aulis, P.Geo, and A. Molnar (field assistant/prospector).

The objective of this work program was the delineation of areas with high potential of hosting large tonnage porphyry-style copper-gold mineralization. Due to the large size of the claim holding, an intrinsic part of the program was the compilation of a large quantity of existing data pertaining to the area.

The claims partially cover the northern portion of a large prominent magnetic high on the western margin of the Takomkane Batholith. The area was targeted as a geochemically, geochronologically favorable region within a geological trend known to host economic porphyry copper-gold deposits. The southern portion of this mag high/intrusive complex is host to porphyry (plus skarn) copper-gold mineralization as seen at the Peach Lake, Spout Lake Skarn, Tim and Miracle-Murphy prospects.

2.1 Location and Access

The property is situated 30 km northeast of Lac La Hache in the Cariboo Mining District of central British Columbia (see Fig. 1). Access to the property is via Rail Lake road on the west or Bradley Creek road to the east; both are all weather logging mainlines. Secondary logging roads provide excellent 4 wheel drive ingress to the remainder of the property. The property is centered at 121^{o} 25' longitude, 52^{o} 05' latitude; NTS 93A/3W.



REGIONAL RESOURCES LTD.	
LAC LA HACHE PROPERTY GENERAL LOCATION MAP	
Drawn By:	NTS: 82F/14W
Date: Oct. 1993	Mining Div: Clinton
	Figure No: 1

2.2 Physiography and Climate

Topography in this region of the Fraser Plateau is gentle, with elevations ranging from 850m to 1500m. Mature open lodgepole pine, spruce, and fir cover the area though approximately 30 - 40% of the forested regions have been subject to clearcut logging. Water is available year-round from numerous lakes, ponds and streams. The climate is cold temperate with annual precipitation of 500 to 1000 mm. Snow cover on the property averages 1 - 2 m, arriving in November and departing by mid-April.

3.0 PROPERTY TENURE

The Lac La Hache property (Two Mile Lake group) comprises the following 22 claims totalling 440 units (see Fig. 2):

Claim	Record #	Units	Due Date
DMG	310826	20	Jun 06 1994
ABBEY 2	310819	20	Jun 23 1994
ABBEY 4	310820	20	Jun 23 1994
ABBEY 1	310818	20	Jun 23 1994
BEN 1	310821	20	Jun 21 1994
BEN 2	310822	20	Jun 21 1994
BEN 3	310823	20	Jun 22 1994
BEN 4	310824	20	Jun 22 1994
DORA 8	302133	20	Jun 06 1994
DORA 9	302134	20	Jun 07 1994
KING 1	302144	20	Jun 10 1994
KING 3	302145	20	Jun 07 1994
ABBEY 3	301180	20	Jun 12 1994
ACE 1	302129	20	Jun 13 1994
ACE 2	302130	20	Jun 13 1994
ACE 3	302131	20	Jun 13 1994
ACE 4	302132	20	Jun 14 1994
TT	303085	20	Aug 12 1994
TT1	302141	20	Jun 19 1994
TT2	302142	20	Jun 18 1994
TT3	302143	20	Jun 18 1994
JO 3	303092	20	Aug 08 1994

The claims are presently held by GWR Resources Inc., under various agreements. The property became the subject of an option agreement with Regional Resources Ltd., of Toronto, Ontario in June 1993.

4.0 PREVIOUS EXPLORATION

Numerous past exploration programs have been directed towards the discovery of porphyry copper-gold in this region since the discovery of the Cariboo-Bell deposit in the mid-1960's. Exploration activity began in 1966 with reconnaissance geochemical soil sampling program by Coranex Ltd. Since then, major exploration programs have been mounted by the following:

- Coranex Ltd (1966 - Spout Lake property)
- Falconbridge Nickel Mines Ltd (1971 - Bory claims)
- Amax Ltd (1971 - 1973 - Spout Lake property)
- Craigmont Mines Ltd (1973-74 - SL and WC claims)
- Tide Resources Ltd (1988 - Club claims)
- Asarco Exploration Co. Ltd (1991 - Ann and Peach Two claim groups)
- Cominco Ltd (1992 - Zephyr Property)
- GWR Resources Ltd (1987-1993 - various properties).

Various smaller programs have been conducted by junior companies in the immediate area.

The majority of existing work comprises geological mapping of sparse outcrop, soil geochemistry and ground magnetometer surveys of isolated individual properties. Falconbridge Nickel Mines Ltd conducted a detailed Induced Polarization survey in the area immediately north of Two Mile Lake and recorded elevated chargeabilities over their entire grid. Cominco Ltd undertook a reconnaissance I.P. survey over 65 km of roads in an area bracketed by McIntosh, Spout and Murphy lakes; background chargeabilities with only rare, weakly elevated readings were obtained.

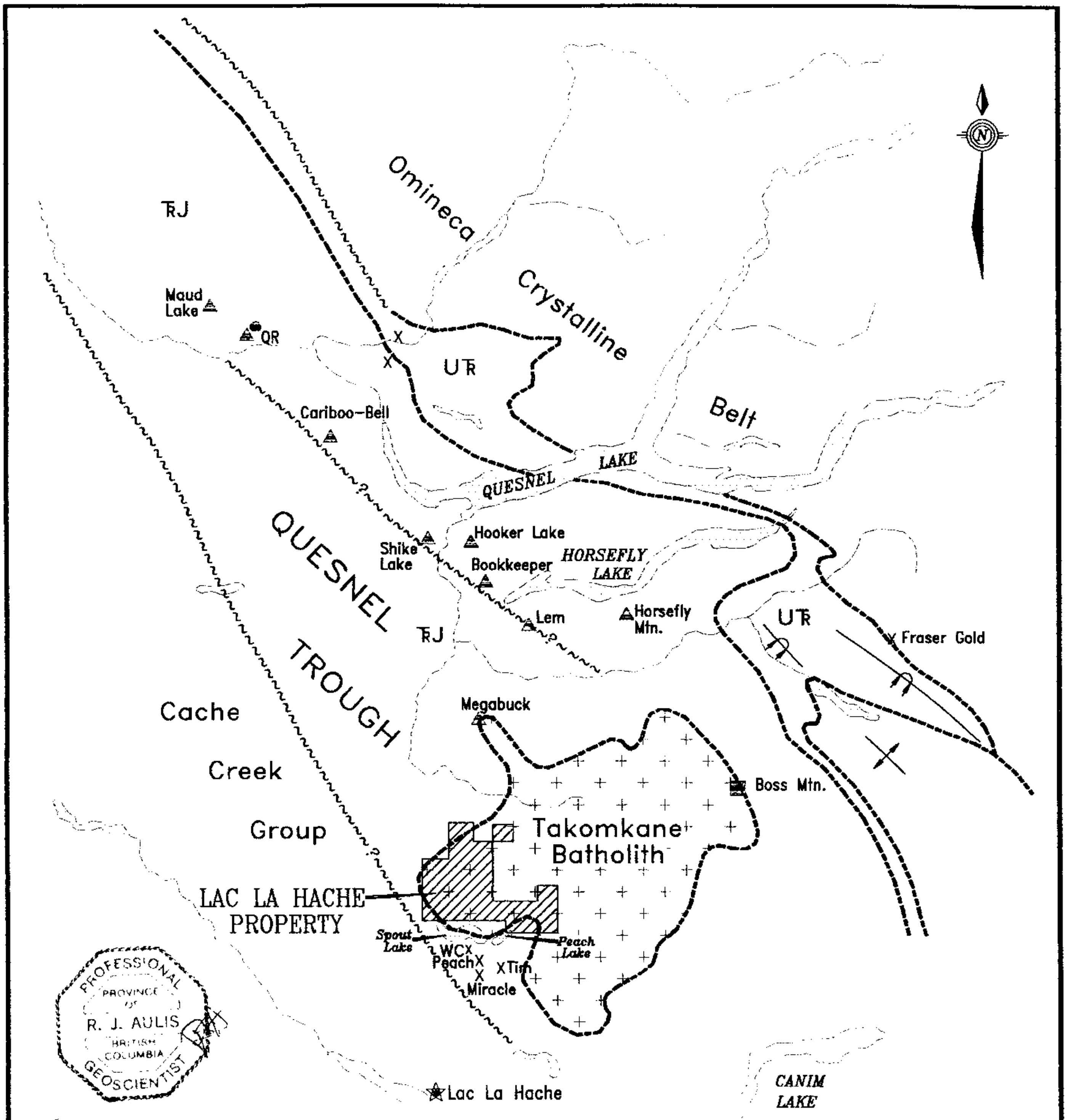
Drilling north of Spout Lake is restricted to two or three poorly documented holes interpreted to have intersected pyrite bearing, weakly to moderately altered volcanics. Scattered drilling of IP targets to the south and south-east of Spout Lake has outlined a large, sulphide bearing porphyry system with significant portions left untested. Drilling of a prominent magnetic feature on the south shore of Spout Lake has roughly delineated two copper-bearing magnetite skarn zones of economic grades (Gale, R.E., 1989).

An integral part of the program to which this report applies has been the detailed compilation of all available pre-existing work. From that compilation, promising areas with insufficient exploration were defined, as well as areas which were recommended for further exploration but, for various reasons were never followed up. For further details of past work the reader is referred to the reports listed in Appendix C.

5.0 GEOLOGY

5.1 Regional Geology

The present claim group is situated near the western edge of the Quesnel trough, a northwesterly trending assemblage of upper Triassic - Lower Jurassic volcanic rocks (see Fig. 3). This part of the Quesnel trough represents the northern extension of the copper-rich Kamloops - Princeton region and contains or borders the Boss Mt., Cariboo-Bell and Gibralter deposits.



LEGEND

TRJ	Upper Triassic to Lower Jurassic basaltic breccias, minor flows, tuff, sandstone, conglomerate & limestone; includes comagnetic alkalic stocks, sills & dykes
UTR	Upper Triassic argillite, augite-porphyry breccia, basaltic to andesitic tuff; possible dykes & sills

GOLD OCCURRENCES

- Au Stratbound
- Cu-Au porphyry
- X Cu & Cu-Au occurrence
- Mo porphyry

SCALE 1:750000

0 20 km

REGIONAL RESOURCES LTD.

LAC LA HACHE PROPERTY REGIONAL SETTING

Drawn By:	Ibex Drafting	NTS:	92P/93A
Date:	Oct. 1993	Mining Div:	Clinton
		Figure No:	3

Bounding the property to the east is the Takomkane batholith - a large zoned intrusive complex up to 50 km in diameter with lithologies ranging from granodiorite to monzonite to syenodiorite. Potassium-argon age dating of the batholith suggests an age of 187 to 198 million years (Campbell and Tipper, 1971). The Boss Mountain porphyry molybdenum deposit on the east flank of the batholith is associated with a smaller, later 100 m.y. old intrusive.

The Triassic Nicola volcanics and sedimentary rocks comprise fine grained andesitic to basalt flows with minor breccias, tuffs, argillites, greywackes and grey limestone. Veinlets of carbonate, quartz or epidote are common as is low grade metamorphism resulting in a chlorite, epidote, amphibole, carbonate alteration assemblage. These units are often intruded by numerous comagmatic stocks of syenite to diorite with associated elevated epidote, K-feldspar and magnetite alteration.

Miocene plateau basalts form an extensive capping along the western margin of the claims with smaller outliers within. They range in thickness from several hundreds of meters as seen in the bluffs between Spout Lake and Two Mile Lake, to thin veneers less than 10 meters thick. The basalts are generally fine grained and fresh and often display distinctive scoriaceous textures as well as peridot-bearing vesicles. They form an efficient geochemical barrier to underlying lithologies.

Faults in the area are numerous and possibly related to the major N-S trending Pinchi Fault system located several kilometers west. Several major northerly to west northwesterly trending linear magnetic lows occur on the eastern margin of the property and are interpreted to be faults that have reduced magnetic response of hosting lithologies.

5.2 Property Geology / 1993 Work

The Lac La Hache property is underlain primarily by a large monzonitic stock on the east half of the property and Nicola volcanics on the west half. These lithologies are overlain by a) a large tongue of Tertiary plateau basalts in the central portion of the property plus several thin outliers; and b) extensive glacial overburden cover over an estimated 90% of the property, ranging in thickness from mere centimeters to tens of meters.

The 1993 program carried out in May and June of this year included the geological mapping of available outcrop within the confines of the property boundary. Despite the paucity of outcrop, examples of all of the above mentioned lithologies were recorded. David Blann, P.Eng and Randal Aulis, P.Geo were responsible for the mapping. Figure 5 is a map showing geology and outcrop locations recorded during the 1993 season.

The area was mapped at a scale of 1:20,000. Representative specimens of various lithologies were collected; selected specimens were cut and stained for potash feldspar. Where mineralization was noted, samples were collected and sent to Acme Analytical Laboratories Ltd., 825 E. Hastings St., Vancouver, B.C. for standard 30 element ICP analysis plus Au atomic absorption analysis. A total of 40 rock samples were collected. Analyses results are tabulated in Appendix B.

GENERAL ROCK TYPE DESCRIPTIONS

UPPER TRIASSIC-JURASSIC

1.) *Andesitic-basaltic flows and crystal lithic tuff/breccia - NICOLA GROUP;*

Dark green-grey variably chloritic, epidotized and hematitic, fine-medium grained matrix, with porphyritic white feldspar crystals and brecciated to subangular volcanic and/or intrusive fragments . There appears to be several subtypes of this unit, depending on the bulk composition of the fragments; diorite, monzonite and syenite intrusive fragments and fine grained tuffaceous volcanic fragments occur. Fragments may be from 0.5 cm to over 10 cm in size, where the rock type resembles an intrusive or subvolcanic form. Distinctive augite - feldspar porphyry basalt flows occur in the northwest corner of the property on the DMG claim. These porphyry flows are relatively fresh and are locally difficult to discern from some phases of Tertiary volcanics.

2.) *Monzonite*
Light colored, weak to moderately magnetic, hornblende-biotite-feldspar porphyritic crystals set in an equigranular, fine to medium grained, weak to moderately altered, feldspar dominant matrix. The large northwest-trending body of monzonite between Spout and Murphy lakes is postulated to be a satellitic intrusion of approximately the same age as the Takomkane batholith. It is this particular body of monzonite which is believed to be responsible for the large mag-high arc of this region. Iron-rich metasomatic fluids escaping from the intrusive body permeated the surrounding lithologies resulting in the deposition of 1 - 2% fine secondary magnetite. Contacts to this monzonite are covered by either Tertiary basalts or overburden.

3.) *Syenite or syenomonzonite*
Dark grey-white to pink-orange, medium grained equigranular to locally hornblende-feldspar porphyritic. Locally abundant disseminated euhedral crystals of magnetite occur in the fine grained matrix. This rock type is more common south and east of Spout Lake though occurrences have been noted on the east side of the property or as clasts in volcanic breccia.

4.) *Diorite*
Dark green-black to grey, speckled, fine to medium grained magnetite-hornblende-feldspar crystals set in a very fine to fine grained chloritic, epidotized matrix. May be feldspar porphyritic and normally observed as dykes or sills.

TERTIARY

5.) *Basalt*
Grey to brown, coarse grained to porphyritic magnetite-rich flows, dikes, breccias and stocks of probable Tertiary-Recent age. These often possess distinctive scoriaceous textures and/or peridot filled cavities as commonly seen on Mount Timothy. Where such textures are not noted, these volcanics are best differentiated from the older Nicola volcanics by their lack of alteration or tectonic signature (foliation, shearing etc.) These volcanics directly overlie the Triassic-Jurassic rocks and are most frequently seen to cap low hills in the region. A particularily extensive tongue of these flood basalts extends eastward between Spout and Two Mile lakes, displayed along prominent north facing bluffs approximately 275 m in thickness.

STRUCTURES

The contact between the large monzonite intrusion north of Peach Lake and the surrounding volcanic rocks may be in part responsible for the large regional annular magnetic high. The magnetic high brackets the property to the east and west. Faults and fractures with notable alteration or mineralization trend 060^{o} dipping steeply south and 030^{o}, dipping subvertically. A large topographic linear encompassing Murphy and Lang lakes is interpreted to be a large northwest-trending fault which cuts the northeastern edge of the property.

ALTERATION AND ASSOCIATED MINERALIZATION

The Triassic-Jurassic rocks underlying the claims are generally weakly chlorite-epidote altered with zones of intense potassium metasomatism occurring in proximity to the various stocks and dikes. Syenite-diorite-monzonite fragments within volcanic breccias are typically more intensely epidote, biotite and K-feldspar altered than the fine grained, chlorite-epidote-hematitic altered tuffs that occur south and west of the property. The monzonites in the central and western portions of the property are only weakly altered with 1-2% secondary disseminated magnetite and occasional pegmatitic K- feldspar veins. Sulphides within the monzonite occur in trace amounts and are generally in the form of fine fracture linings. Investigation of Minfile recorded sulphide "occurrences" in monzonite north of Spout Lake and west of Bluff Lake revealed no more than scattered trace amounts as described above.

The most significant evidence of mineralization to date occurs on the east side of the property where traces of chalcopyrite, bornite and native copper were observed in association with coarse grained, magnetic, biotite-hornblende diorite to syenodiotite dykes intruding the larger monzonite intrusive. The most anomalous rock chip sample returned only 508 ppm Cu, 38 ppb Au. The mineralization appears to be localized about weak shears and K-feldspar pegmatitic veins oriented ENE. A copper soil geochemical anomaly occurs in this vicinity, one kilometer to the NW and erratic anomalous gold values were obtained from stream silt samples draining this area (see 1993 Geochemistry section below).

Tertiary rocks of the area exhibit only minor local deuteric alteration and no evidence yet of mineralization.

6.0 1993 GEOCHEMICAL SURVEY

The majority of this 1993 program consisted of flagging grid lines for soil sampling and collection of soil and stream silt samples over various areas of the property. A total of 85 silt and 275 soil samples were collected and sent to Acme Analytical Laboratories of Vancouver for 30 element ICP and Au atomic absorption analysis. Results are tabulated in Appendix B and plotted on Figure 3 with the rock sample results at 1:20,00 scale.

Soil samples were collected at 100 m spacings from east-west or north-south 200 m spaced lines. Sampling was undertaken with tree-planter shovels and the samples were placed in Kraft paper bags. Wherever possible the samples were taken from B horizon at depths of 25 - 60 cm. Where no B horizon was found, the C horizon was sampled; where swamp was encountered and only organics could be found, no samples were taken.

An extensive grid of 126 samples was implemented over the area north, south and west of Bluff Lake. This effort was directed at following up a 1968 Monte Cristo Mines Ltd. geochemical survey. This early survey used the Rubianic acid method of analysis and gave comparative copper concentrations only. Monte Christo Mines Ltd. reported anomalous copper in a broad arc extending west and south of Bluff Lake (Mitchell, J.A., 1969). Several other 'grids' of 2 or 3 lines were implemented over areas of geological interest and unconfirmed or open, previously tested geochemically anomalous areas.

Silt sampling of selected streams was conducted in all areas where active streams could be found. A total of 85 silt samples were collected. Spacing was 200 m apart and samples were collected from active portions of the stream, where possible.

6.1 Soil Survey Results and Discussion

LINES B93-L0S, L2S, L4S and K93-L1, L2

Soil sample results from the northwestern portion of the property returned only background values for copper with the exception of one spot anomaly of 287 ppm Cu. Background copper in this area is 10 - 15 ppm. Surficial material in this region of the property is dominated by clay-rich glacial till, with thicknesses varying from one meter to tens of meters. Due to this overburden type and thickness, soil geochemistry is being viewed as a positive indicator only. Thus the absence of anomalous copper-gold in soils is not being used to interpret that the underlying lithologies have no porphyry copper-gold potential.

BLUFF LAKE GRID

Geochemical results from the Bluff Lake grid indicate an broad area of patchy elevated copper values south of Bluff Lake. The underlying lithology to this grid is weakly altered, medium grained, magnetic monzonite, known to host traces of fracture controlled copper mineralization.

Background value for copper in this area is calculated to be 30 ppm. Background for gold is <5 ppb. Copper values greater than 75 ppm are deemed anomalous; gold greater than 20 ppb. Nineteen soils returned anomalous copper; eight were greater than 200 ppm and the highest value attained was 767 ppm. Eight gold values exceeded 20 ppb; the highest being 71 ppb. Overburden in this area is shallow at 0 to 2 meters estimated thickness.

It is interpreted that these amoeboid shaped anomalies reflect underlying discrete zones of sub-economic fracture controlled chalcopyrite - pyrite sulphide mineralization. Such zones may occur peripheral to an intrusive hosted porphyry Cu-Au deposit.

LINES AA93-L0N, L12N, TT93-L1S

Thirty-four soil samples from three lines were collected from the eastern margin of the property on the TT claim group. These samples were collected to verify and extend a 1 km^2 circular area of geochemically anomalous copper found by Craigmont Mines Ltd. in their 1973 geochemical program (Vollo, N.B., 1973).

The 10 sample line from within the confines of the previous anomaly (AA93-L12N) returned 4 values exceeding 75 ppm copper; the highest being 290 ppm. No anomalous gold values were observed. Two lines from outside the anomaly, one kilometer south (AA93-L0N) and one kilometer east (TT93-L1S), returned only background values for copper and gold with the exception of one spot gold anomaly of 75 ppb on Line 1 S.

Scattered outcrops in the area suggest that overburden thickness is not excessive. Field notes from Line 1 S describe sand rich samples, suggestive of a glacial outwash environment and a poorly developed B horizon. Mapping of lithologies, carried out contemporaneously with the soil sampling, revealed Line AA93-L0N to overlie Tertiary flood basalts which would effectively act as a barrier to the underlying, potentially mineral hosting Triassic units. As previously mentioned, negative soil geochem results are not being interpreted as negative indicators for underlying lithologies.

A moderate correlation between elevated copper and gold values can be determined. Generally speaking, where elevated gold values occur, there are elevated copper values from the same site or occasionally one station removed. Isolated elevated gold values unaccompanied by elevated copper are rare. Elevated copper with background values of gold are common.

6.2 Stream Silt Survey Results and Discussion

The stream silt survey conducted on this property returned generally disappointing results. Copper values ranged from 12 to a high of 69 ppm with 70% of the values less than 35 ppm. Gold values were somewhat more erratic, with 5 samples returning greater than 10 ppb, the highest being 35 ppb. Three of these elevated gold values occurred in a single stream originating one kilometer east of the 1973 Craigmont Mines circular copper anomaly on the east side of the property. No significantly elevated copper values occur with the high golds. This remains an area of interest where further soil geochemistry and/or IP geophysics may be required. The remainder of the gold results were all <5 ppb.

The lack of anomalous values in the stream silts may in part be attributed to a high degree of dilution by the generally thick cover of glacial till and outwash material through which these streams carve.

No correlation exists between copper and gold values in the stream silt survey.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Exploration efforts in this 1993 program resulted in no new significant or economic findings. The grassroots style of exploration was employed to confirm or further examine areas of good porphyry mineralization potential insufficiently tested in previous programs. From the results of the geochemical program and the geological mapping performed, the following is concluded:

- Excessively deep overburden comprising primarily glacial clay rich till and sandy outwash covers approximately 90% of the property;
- Silt sampling has proven to be an ineffectual tool over such areas as the stream silt material itself is largely composed of glacially transported material.;
- Soil samples between Two Mile Lake and Macintosh Lakes returned no significantly anomalous values for gold or copper. This may be considered a negative indicator only where overburden is relatively thin, covering alkaline rocks;
- Soil grid established in the Bluff Lake area confirmed and quantified an anomalous Zone reported by Monte Christo Mines in 1969. Mapping of local outcrop suggests that the source of the anomalies is trace chalcopyrite mineralization in fractures within weakly altered monzonite intrusive;

- One soil line on the eastern side of the property confirmed a 1973 Craigmont Mines Ltd. anomaly and two further lines limited its extent to the south and east;
- Mapping and sampling in the area of the 1973 / 1993 anomaly resulted weak scattered copper mineralization associated with small diorite to syenodiorite dykes or sills;
- *Special consideration must be given to the quaternary environment of any geochemical* sampling program in this region due to the varying depths and types of glacial overburden cover. Negative results may not always be used as negative indicators to the underlying Triassic-Jurassic lithologies;
- The contact between the large monzonite stock and the bordering Nicola volcanics has not been sufficiently tested on this property due to extensive cover by overburden and Tertiary volcanic along its postulated path.

Based upon the above findings, a small program of IP geophysics is recommended over select portions of the property to test for the possibility of sulphide concentrations under areas that have been designated as geochemically anomalous.

The copper (+/- gold) anomalous zone on the TT claim group at the eastern margin of the property warrants 6 to 10 line km of induced polarization. Three or four lines spaced no closer than 200m should be run east-west, directly over the soil anomaly, with care taken to extend at least one line west over the Tertiary basalt cover to test for sulphides masked by its presence.

The Bluff Lake copper/gold anomaly does not at this time warrant IP though further mapping and extension of the geochemical survey may later alter this decision.

A detailed study of the Quaternary geology over the property is recommended to better evaluate the results of existing geochemical surveys and to aid in the planning of future surveys.

No further recommendations concerning the remainder of the property exist at this time.

R.J. Aulis, BSc., PGeo.
September 30, 1993

8.0 REFERENCES

Gale, R.E., (1989); Spout Lake property - Report for Peach Lake Resources Inc.

Vollo, N.B., (1973); Geophysical and Geochemical Report on the 93A/3 SL Group of Craigmont Mines Limited at Lac La Hache, B.C. - Assessment Report #4697.

Campbell, R.B. and Tipper, H.W., (1971); Geology of Bonaparte Lake Map-Area, British Columbia; Geol. Surv. Can., Memoir #363.

Mitchell, J.A., (1969);Monte Christo Mines Ltd. Magnetometer Survey, Claims SS 1-16; 21-28, Assessment Report # 2074.

Janes, R.H., (1969); Geochemical Report - Rover Property, Assessment Report #949.

STATEMENT OF QUALIFICATIONS

I, Randal J. Aulis, of New Westminster, B,C,, do hereby certify:

1.) That I am a Professional Geoscientist registered in the Province of British Columbia (#20262).

2.) That I have graduated with a Bachelor of Science degree in Earth Sciences from the University of Waterloo, (1986).

3.) That I performed work on the subject property during the summer of 1993, and information, opinions and recommendations in this report are based on direct work on the property and previous reports and literature.

4.) That I have no interest in the subject property, or in the property owners.

Dated at Lac La Hache, B.C., September 30, 1993.

APPENDIX A

STATEMENT OF EXPENDITURES

Salaries:			
	D. Blann (29 days @ $350.00/day)		$10150.00
	R.J. Aulis (29 days @ $300.00/day)		$8700.00
	A. Molnar (29 days @ $200.00/day)		$5800.00
	S. Surmacz (3 days @ $250/day)		$750.00
	T. Mackenzie (3 days @ $200.00/day)		$600.00
		TOTAL	$26000.00
Room and Board 96 mandays @ $65/day			$6240.00
Travel / Transport:	Travel: truck		$3480.00
	ATV		$400.00
	Freight		$325.00
		TOTAL	$4205.00
Assays (ACME Laboratory):	45 Rock @ $15/sample		$675.00
	113 Silt @ $12/sample		$1356.00
	381 Soil @ $12/sample		$4572.00
		TOTAL	$6,603.00
Field Materials:	Supplies		$2300.00
	Rentals (hand radios, computer)		$720.00
		TOTAL	$3020.00
Communication			$480.00
Report Writing / Preparation			$3000.00
Drafting / Reproduction			$1800.00
Management			$3500.00
		TOTAL	**$54848.00**

APPENDIX B

ROCK, SOIL, SILT GEOCHEMISTRY RESULTS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Standard Metals Exploration File # 93-1148 Page 1
Box 756, Squamish BC VON 3GO

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
RJA-93-002	<1	73	22	80	.7	16	25	1145	4.86	23	<5	<2	<2	69	.4
RJA-93-003 ✓✓	1	185	2	63	.5	63	43	578	4.66	17	<5	<2	<2	68	.4
RJA-93-005	2	63	2	18	.1	5	4	285	2.79	4	<5	<2	9	36	<.2
RJA-93-006	2	90	4	10	.2	6	2	194	1.95	3	<5	<2	11	20	<.2
RJA-93-007	2	57	2	20	.1	6	4	351	2.65	3	<5	<2	14	33	<.2
STANDARD C/AU-R	20	63	39	142	7.3	70	31	1118	4.09	43	23	7	39	53	19.1

SAMPLE#	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
RJA-93-002	<2	<2	106	4.76	.107	3	17	1.31	16	.17	5	2.87	.05	.05	<1	5
RJA-93-003 ✓✓	<2	<2	101	1.97	.116	3	177	2.00	118	.19	6	2.32	.15	.86	1	10
RJA-93-005	<2	<2	80	.52	.100	11	7	.19	44	.08	3	.39	.13	.12	1	4
RJA-93-006	<2	<2	44	.33	.060	8	7	.05	32	.05	8	.32	.09	.07	1	3
RJA-93-007	<2	<2	73	.53	.096	12	18	.20	53	.08	5	.37	.11	.12	1	3
STANDARD C/AU-R	18	19	61	.51	.089	40	60	.92	189	.10	35	1.94	.08	.16	12	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 P7 SOIL P8 TO P9 SILT   AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 17 1993 **DATE REPORT MAILED:** June 24/93 **SIGNED BY**..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Gp#
✓ = VOL. EL. (1B) As, Sb, Bi, Ge, Se, Te $5.80/sample
✓✓ = VOL. EL + PGE (3B) Au, Pt, Pd $8.90/sample

TEXT FILE ON DISK [10 ONLY]
Mo, Cu, Pb, Zn, Ag, As, Sb, Bi, Ba, Au

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
A93 L0 9+00N	1	45	5	40	.1	16	8	270	2.82	2	<5	<2	2	32	<.2	2	3	71	.34	.042	9	28	.38	92	.15	4	1.60	.02	.06	2	7
A93 L0 8+00N	1	112	8	106	.1	28	12	623	3.56	5	<5	<2	4	39	<.2	<2	<2	67	.33	.131	13	31	.55	227	.18	4	3.93	.02	.11	1	27
A93 L0 7+00N	1	93	8	108	.1	24	9	519	3.62	5	<5	<2	2	36	<.2	<2	<2	75	.27	.081	8	30	.51	166	.17	4	3.35	.02	.06	1	2
A93 L0 6+00N	1	40	6	64	.1	21	9	939	2.73	4	5	<2	4	33	<.2	2	2	59	.32	.082	8	27	.35	164	.13	4	2.36	.02	.08	1	2
A93 L0 5+00N	1	30	5	39	.2	14	5	156	1.84	2	<5	<2	2	23	<.2	<2	<2	43	.34	.036	8	22	.24	90	.11	3	1.23	.03	.05	1	2
A93 L0 4+00N	1	69	7	39	.3	21	6	521	2.23	2	12	<2	3	61	<.2	<2	<2	53	.69	.036	21	26	.40	109	.13	3	1.80	.04	.07	1	1
A93 L0 3+00N	2	79	9	96	.2	18	8	571	2.53	2	<5	<2	3	35	<.2	<2	2	52	.37	.104	8	21	.25	124	.16	4	1.96	.03	.07	<1	1
A93 L0 1+00N	1	129	6	71	.2	24	9	282	3.20	5	<5	<2	2	44	<.2	2	<2	69	.49	.092	8	32	.53	116	.15	4	2.46	.02	.07	1	1
A93 L0 0+00N	1	42	6	52	.3	27	9	296	3.05	<2	<5	<2	2	53	<.2	<2	3	70	.49	.043	11	42	.50	163	.15	3	1.80	.04	.11	<1	1
A93 L2W 22+00N	1	28	5	51	.4	48	11	285	3.55	5	<5	<2	4	65	<.2	<2	3	78	.60	.094	14	90	.57	176	.18	3	2.10	.05	.07	1	1
A93 L2W 21+00N	1	21	6	65	.2	40	11	231	3.20	4	<5	<2	2	47	<.2	<2	<2	67	.46	.076	10	75	.41	135	.18	3	1.66	.05	.07	<1	2
A93 L2W 20+00N	1	22	4	60	.2	38	10	257	3.24	4	<5	<2	3	54	<.2	<2	<2	79	.49	.059	11	80	.46	189	.21	4	1.74	.05	.07	1	2
A93 L2W 19+00N	1	22	6	54	.3	34	8	185	3.04	4	<5	<2	3	54	<.2	<2	<2	69	.49	.059	12	76	.41	126	.19	3	1.47	.05	.06	2	1
A93 L2W 18+00N	<1	22	5	56	.1	37	10	283	3.01	<2	<5	<2	2	52	<.2	<2	2	67	.49	.067	11	75	.42	134	.20	3	1.68	.05	.05	<1	<1
A93 L2W 17+00N	<1	17	7	37	.1	28	7	229	2.13	<2	<5	<2	3	47	<.2	<2	<2	55	.47	.037	10	58	.47	125	.20	2	1.46	.05	.06	<1	1
A93 L2W 16+00N	<1	17	5	33	.1	27	6	215	2.05	<2	<5	<2	2	46	<.2	<2	<2	53	.47	.041	11	55	.45	121	.19	2	1.41	.04	.06	1	2
A93 L2W 15+00N	<1	45	5	48	.2	28	12	371	3.23	2	<5	<2	3	58	<.2	<2	<2	90	.75	.113	16	50	.79	143	.22	3	1.74	.05	.05	1	1
A93 L2W 14+00N	<1	17	5	30	.2	25	6	253	1.99	<2	<5	<2	3	53	<.2	2	2	47	.53	.061	12	50	.46	122	.17	2	1.43	.05	.07	1	1
A93 L2W 13+00N	<1	10	5	23	.1	14	4	148	1.54	<2	5	<2	2	37	<.2	<2	<2	40	.31	.022	9	35	.27	89	.15	2	.99	.03	.04	<1	2
A93 L2W 12+00N	<1	11	5	24	.1	16	4	153	1.69	<2	<5	<2	3	39	<.2	<2	<2	44	.33	.024	11	39	.30	95	.17	2	1.06	.03	.04	1	3
A93 L2W 11+00N	<1	28	6	36	<.1	42	11	398	2.72	2	<5	<2	3	71	<.2	<2	<2	64	.64	.083	17	69	.69	160	.19	3	1.78	.05	.10	1	2
A93 L2W 10+00N	<1	22	4	38	<.1	27	8	381	2.73	<2	<5	<2	2	49	<.2	<2	<2	67	.46	.016	9	59	.50	106	.18	3	1.50	.05	.07	<1	3
A93 L2W 9+00N	1	24	5	38	<.1	27	9	406	2.91	<2	<5	<2	<2	55	<.2	<2	<2	73	.51	.020	9	61	.51	110	.18	3	1.47	.05	.07	1	1
A93 L2W 8+00N	1	39	6	54	.2	38	11	316	2.82	<2	7	<2	2	59	<.2	3	<2	63	.54	.030	18	61	.52	120	.16	3	1.94	.04	.07	2	1
A93 L2W 7+00N	1	22	5	41	<.1	42	12	201	3.37	<2	<5	<2	<2	46	<.2	<2	<2	78	.42	.062	9	88	.45	161	.18	3	1.73	.03	.07	1	2
A93 L2W 6+00N	<1	68	6	50	.2	31	8	268	3.28	<2	5	<2	4	48	.2	<2	<2	73	.39	.049	12	60	.55	153	.17	2	2.55	.03	.06	<1	2
A93 L2W 5+00N	1	82	6	75	<.1	33	9	485	3.77	<2	<5	<2	3	58	.2	<2	<2	85	.43	.056	9	74	.46	156	.18	2	2.87	.02	.06	<1	<1
A93 L2W 4+00N	2	215	7	73	<.1	26	11	1270	3.23	2	<5	<2	<2	73	<.2	<2	<2	74	.55	.044	15	28	.31	188	.09	2	2.38	.03	.07	<1	3
A93 L2W 3+00N	1	21	3	26	.1	13	5	173	2.42	<2	<5	<2	3	46	<.2	<2	<2	63	.33	.027	9	41	.23	98	.16	3	.93	.04	.05	1	2
A93 L2W 2+00N	1	35	4	44	<.1	18	6	231	3.22	<2	<5	<2	2	38	<.2	<2	<2	79	.35	.064	8	43	.27	112	.13	2	1.41	.02	.07	<1	2
A93 L2W 1+00N	1	27	5	63	<.1	23	7	268	2.74	<2	<5	<2	2	40	.2	<2	<2	59	.33	.102	7	39	.33	140	.13	3	1.67	.02	.07	<1	2
A93 L2W 0+00N	1	16	4	32	.2	15	7	294	2.43	<2	<5	<2	2	39	<.2	<2	<2	54	.50	.113	10	31	.30	142	.11	3	1.22	.03	.11	1	1
A93 L2W 3+00S	1	22	5	37	.1	13	5	258	1.64	<2	<5	<2	2	35	.2	<2	<2	40	.40	.022	9	29	.34	71	.14	2	1.01	.04	.06	1	2
RE A93 L2W 3+00S	1	22	5	37	<.1	13	5	262	1.65	<2	<5	<2	<2	35	<.2	<2	<2	40	.40	.021	9	29	.34	70	.14	2	1.00	.04	.06	<1	1
A93 L2W 4+00S	1	63	3	31	<.1	20	7	272	2.54	<2	<5	<2	<2	40	<.2	<2	<2	60	.41	.020	12	52	.35	69	.15	4	1.14	.04	.05	<1	3
A93 L2W 5+00S	4	206	5	77	.1	9	10	583	5.91	<2	<5	<2	6	97	.2	<2	<2	117	.68	.182	14	7	.38	126	.06	3	1.98	.04	.08	<1	3
A93 L2W 6+00S	5	206	7	240	.2	13	13	3007	5.49	7	<5	<2	6	110	.5	<2	3	93	1.19	.195	15	15	.50	228	.10	3	2.24	.02	.15	<1	1
STANDARD C/AU-S	19	62	39	141	7.4	69	31	1111	4.09	41	20	7	37	53	19.0	18	19	60	.51	.088	39	60	.93	188	.10	35	1.94	.08	.16	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
A93 L2W 7+00S	<1	20	3	80	.2	23	7	268	3.05	<2	<5	<2	3	32	<.2	<2	<2	69	.40	.134	8	30	.38	155	.12	4	1.47	.03	.08	<1	2
A93 L2W 8+00S	1	40	7	82	.4	19	7	473	2.35	<2	<5	<2	3	36	<.2	<2	<2	44	.45	.146	8	25	.31	249	.13	5	1.70	.03	.10	<1	1
A93 L2W 9+00S	<1	40	2	43	.1	18	6	287	2.58	<2	<5	<2	2	40	<.2	<2	2	62	.49	.035	13	29	.36	82	.12	4	1.20	.03	.07	1	31
A93 L2W 10+00S	<1	20	3	34	.1	17	5	170	2.87	<2	<5	<2	2	30	<.2	<2	<2	73	.35	.052	7	28	.30	88	.13	4	1.24	.03	.05	1	2
A93 L2W 11+00S	1	443	19	72	1.4	46	9	1068	3.40	<2	25	<2	2	143	.3	<2	2	51	2.30	.087	39	41	.65	247	.10	7	4.04	.04	.18	<1	2
A93 L2E 8+00W	1	25	3	42	.1	17	5	166	2.25	<2	<5	<2	3	27	<.2	<2	<2	50	.30	.059	7	26	.26	113	.13	4	1.23	.02	.06	1	<1
A93 L2E 7+00W	<1	20	4	63	<.1	20	5	275	2.30	<2	<5	<2	2	28	<.2	<2	<2	50	.33	.110	7	24	.26	121	.12	3	1.29	.03	.07	<1	1
A93 L2E 6+00W	<1	31	5	40	.1	14	6	527	2.00	<2	<5	<2	2	46	<.2	<2	<2	47	.42	.051	9	23	.26	115	.12	3	.99	.03	.06	<1	1
A93 L2E 5+00W	1	53	5	49	.1	17	6	363	2.54	<2	<5	<2	3	37	<.2	<2	<2	57	.31	.052	8	28	.37	101	.15	4	1.67	.02	.07	1	1
A93 L2E 4+00W	1	37	4	42	.1	14	5	277	2.01	<2	<5	<2	2	36	<.2	<2	<2	47	.38	.030	9	26	.31	89	.13	3	1.20	.03	.06	1	1
A93 L2E 3+00W	<1	19	5	40	.2	14	5	171	1.62	<2	5	<2	4	28	<.2	<2	<2	38	.30	.019	9	25	.33	83	.14	5	1.21	.03	.04	<1	4
A93 L2E 2+00W	<1	100	6	53	.1	29	10	774	3.25	<2	6	<2	3	69	<.2	<2	<2	64	.81	.028	20	54	.56	154	.15	4	2.70	.04	.10	<1	3
A93 L2E 0+00W	1	35	9	209	.3	25	8	349	3.36	<2	<5	<2	3	56	.2	<2	<2	53	.49	.356	9	43	.42	446	.15	3	2.67	.03	.16	<1	1
A93 L4E 0+00S	<1	16	5	31	.2	14	3	164	1.42	<2	<5	<2	3	41	<.2	<2	<2	30	.47	.044	11	27	.38	93	.15	2	1.07	.04	.08	1	7
A93 L4E 1+00S	<1	27	9	122	.2	26	8	264	2.64	<2	<5	<2	2	46	<.2	<2	<2	45	.39	.231	9	43	.30	306	.13	3	2.09	.03	.10	<1	2
A93 L4E 2+00S	<1	34	3	45	<.1	23	10	325	3.12	3	<5	<2	2	49	<.2	<2	<2	87	.47	.043	9	63	.64	107	.22	6	1.40	.04	.08	1	1
A93 L4E 3+00S	1	24	7	53	.1	17	6	227	1.77	<2	<5	<2	2	35	<.2	<2	<2	42	.45	.015	13	28	.34	105	.15	3	1.27	.03	.07	<1	4
A93 L4E 6+00S	<1	34	4	31	<.1	19	6	184	2.47	<2	<5	<2	3	39	<.2	<2	<2	61	.45	.044	11	31	.39	90	.17	5	1.22	.03	.10	<1	13
A93 L6W 12+00N	<1	51	4	42	<.1	25	8	283	2.67	2	<5	<2	<2	40	<.2	<2	<2	61	.37	.044	10	52	.40	78	.17	3	1.97	.03	.08	1	2
RE A93 L6W 12+00N	<1	50	5	42	<.1	25	8	280	2.69	2	<5	<2	2	40	<.2	<2	<2	61	.37	.044	11	54	.40	76	.16	3	1.95	.02	.08	1	3
A93 L6W 11+00N	<1	29	3	28	.1	20	6	207	2.48	<2	<5	<2	3	56	<.2	<2	3	60	.47	.044	10	44	.35	110	.17	3	1.47	.03	.09	<1	23
A93 L6W 10+00N	<1	28	5	29	<.1	26	7	223	2.38	2	<5	<2	2	48	<.2	<2	<2	56	.49	.049	12	50	.47	136	.18	3	1.68	.04	.09	1	4
A93 L6W 9+00N	<1	22	5	47	<.1	50	12	259	3.30	<2	<5	<2	2	29	<.2	<2	<2	58	.27	.139	7	62	.35	142	.14	3	2.60	.02	.09	<1	2
A93 L6W 8+00N	<1	43	5	32	.1	26	6	200	2.38	2	<5	<2	4	54	<.2	<2	<2	52	.50	.041	12	47	.53	123	.18	3	2.07	.04	.07	1	3
A93 L6W 7+00N	1	52	4	42	.1	34	9	342	3.14	3	<5	<2	4	67	<.2	<2	<2	69	.58	.070	15	54	.63	156	.18	4	2.68	.03	.10	1	3
A93 L6W 6+00N	1	7	4	32	<.1	9	3	120	1.64	<2	<5	<2	<2	23	<.2	<2	<2	42	.24	.034	5	26	.13	61	.13	2	.65	.02	.05	<1	1
A93 L6W 5+00N	1	25	6	94	.3	26	8	194	3.34	<2	<5	<2	3	61	<.2	<2	<2	73	.48	.162	7	40	.31	205	.13	4	2.30	.02	.13	<1	2
A93 L6W 4+00N	1	22	5	55	<.1	15	5	293	1.86	<2	<5	<2	<2	46	<.2	<2	<2	44	.39	.021	8	32	.34	92	.14	3	1.31	.03	.06	<1	3
A93 L6W 3+00N	<1	41	4	44	.2	14	6	305	3.21	<2	<5	<2	5	51	<.2	<2	<2	80	.45	.032	8	31	.36	112	.16	4	1.74	.02	.07	<1	1
A93 L6W 2+00N	<1	37	3	45	<.1	20	6	208	2.75	<2	<5	<2	2	50	<.2	<2	<2	68	.39	.040	8	40	.37	107	.17	3	1.58	.02	.08	<1	2
A93 L6W 1+00N	1	29	3	83	.1	27	7	511	4.02	2	<5	<2	3	49	<.2	<2	<2	105	.35	.066	7	48	.36	200	.14	4	1.71	.03	.06	<1	1
A93 L6W 0+00N	1	20	5	32	.1	20	6	208	2.08	<2	<5	<2	3	43	<.2	<2	2	47	.44	.026	10	42	.32	85	.16	3	1.04	.04	.09	<1	2
A93 L6W 0+00S	<1	12	4	30	.2	17	5	181	1.73	2	<5	<2	2	40	<.2	<2	2	42	.44	.036	10	29	.39	80	.14	4	.99	.03	.07	1	1
A93 L6W 1+00S	1	26	5	54	.2	24	10	879	2.22	2	<5	<2	2	63	<.2	<2	3	48	.55	.086	12	33	.43	191	.11	3	1.48	.03	.15	<1	2
A93 L6W 2+00S	<1	26	3	29	<.1	18	6	271	2.07	<2	<5	<2	2	44	<.2	<2	<2	51	.53	.042	12	32	.46	77	.15	3	1.03	.04	.07	<1	2
A93 L6W 3+00S	<1	21	4	37	<.1	16	6	167	2.24	<2	<5	<2	<2	33	<.2	<2	2	54	.35	.030	8	28	.33	90	.16	3	1.36	.03	.06	<1	71
A93 L6W 3+60S	1	48	5	80	.1	24	7	229	2.75	<2	<5	<2	2	34	<.2	<2	<2	57	.36	.053	9	36	.43	132	.16	3	2.19	.03	.09	<1	4
STANDARD C/AU-S	18	59	38	127	7.2	70	30	1000	3.96	38	18	7	36	53	18.9	18	19	53	.51	.086	37	57	.91	190	.09	37	1.88	.08	.16	12	45

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
A93 L6W 4+00S	1	54	7	65	.2	27	8	254	3.38	<2	<5	<2	3	36	<.2	<2	<2	73	.31	.062	13	46	.53	135	.18	5	2.96	.03	.08	<1	2
A93 L6W 5+00S	3	67	8	63	<.1	23	7	367	3.39	5	<5	<2	3	26	<.2	<2	<2	71	.24	.115	9	35	.40	100	.15	4	3.06	.02	.05	<1	2
A93 L6W 6+00S	1	38	5	47	.1	19	7	225	2.86	<2	<5	<2	3	33	<.2	<2	2	67	.39	.055	8	32	.45	110	.15	4	1.82	.02	.06	<1	2
A93 L6W 7+00S	1	41	5	50	.1	14	6	271	3.03	<2	<5	<2	2	37	<.2	<2	<2	79	.38	.029	9	27	.36	83	.16	3	1.17	.03	.08	1	1
A93 L6W 8+00S	<1	50	5	63	.1	14	8	588	3.45	<2	<5	<2	2	46	<.2	<2	2	89	.37	.033	8	24	.41	141	.18	4	1.70	.02	.13	<1	5
A93 L6W 9+00S	<1	78	3	52	.1	21	7	406	3.58	<2	<5	<2	<2	38	<.2	<2	<2	79	.47	.047	13	27	.36	141	.12	4	1.91	.03	.12	<1	3
A93 L6W 10+00S	<1	18	5	50	.1	13	6	214	2.40	<2	<5	<2	2	34	<.2	<2	<2	52	.38	.117	6	26	.23	206	.12	4	1.10	.03	.08	1	3
A93 L6E 14+00N	<1	17	4	30	.1	35	7	272	2.50	<2	<5	<2	3	79	<.2	<2	2	60	.78	.083	15	65	.72	131	.19	3	1.48	.09	.12	<1	4
A93 L6E 13+00N	<1	25	4	57	.2	53	13	218	4.25	3	<5	<2	2	59	<.2	2	<2	91	.54	.143	9	94	.48	180	.18	5	2.95	.03	.16	1	2
A93 L6E 12+00N	1	24	5	67	.4	55	10	268	4.39	4	<5	<2	3	92	.2	2	<2	80	.96	.085	12	102	.92	207	.20	5	2.65	.08	.10	<1	3
A93 L6E 11+00N	<1	70	5	112	.4	127	21	897	5.06	<2	<5	<2	2	127	.2	<2	2	78	1.14	.062	17	109	1.25	344	.18	7	4.45	.09	.16	<1	2
A93 L6E 9+00N	<1	16	4	54	.1	55	10	351	3.01	2	<5	<2	<2	49	<.2	<2	<2	69	.46	.088	10	93	.54	194	.22	4	1.94	.04	.08	1	4
A93 L6E 8+00N	1	16	5	44	.1	44	9	265	2.68	<2	<5	<2	2	51	<.2	<2	<2	66	.48	.050	11	85	.55	124	.23	3	1.40	.05	.08	1	2
A93 L6E 7+00N	<1	18	4	52	<.1	40	8	296	2.32	<2	<5	<2	<2	54	<.2	<2	<2	54	.46	.030	11	78	.55	122	.21	4	1.47	.05	.09	1	10
A93 L6E 6+00N	<1	16	4	57	.2	40	8	231	2.42	<2	<5	<2	2	45	<.2	<2	<2	61	.42	.031	10	87	.48	118	.23	3	1.39	.05	.07	<1	2
A93 L6E 5+00N	<1	26	5	34	<.1	34	7	270	2.33	2	<5	<2	2	78	<.2	<2	<2	53	.66	.077	15	60	.58	140	.18	3	1.58	.06	.10	1	4
A93 L6E 4+00N	<1	38	6	51	.1	52	14	501	3.55	<2	<5	<2	2	104	<.2	<2	<2	64	.79	.077	16	82	.82	185	.17	3	2.31	.08	.13	<1	5
A93 L6E 3+00N	1	19	4	65	.2	31	8	262	2.76	2	<5	<2	<2	55	<.2	3	<2	56	.37	.124	10	59	.35	176	.15	4	1.89	.03	.08	<1	22
A93 L6E 2+00N	<1	11	5	32	.2	16	4	129	2.01	<2	<5	<2	2	41	<.2	2	<2	46	.32	.039	7	47	.23	117	.15	3	.94	.03	.07	1	5
A93 L6E 1+00N	1	38	7	50	.1	45	12	669	3.22	<2	<5	<2	2	85	.2	<2	4	60	.72	.030	22	66	.53	185	.16	5	2.10	.06	.15	1	4
A93 L6E 2+00S	1	74	9	48	<.1	26	8	337	2.30	3	<5	<2	2	49	<.2	<2	<2	48	.40	.033	14	39	.53	128	.14	4	1.82	.03	.08	<1	1
A93 L6E 3+00S	<1	21	6	40	<.1	18	5	160	1.98	<2	<5	<2	<2	28	<.2	<2	3	46	.32	.026	8	32	.32	88	.15	3	1.31	.03	.05	1	50
A93 L6E 5+00S	1	23	5	65	.1	21	7	235	2.67	2	<5	<2	2	31	<.2	2	2	60	.38	.079	9	30	.31	97	.15	4	1.53	.03	.07	<1	5
A93 L6E 6+00S	<1	318	7	98	.8	73	17	1420	5.63	<2	10	<2	6	81	.2	2	<2	83	1.23	.053	27	86	1.02	322	.18	5	5.71	.05	.28	1	11
A93 L6E 7+00S	1	27	8	55	.1	22	7	177	2.83	<2	<5	<2	2	29	<.2	<2	4	54	.34	.065	8	39	.37	134	.17	4	2.07	.02	.08	1	1
A93 L6E 8+00S	<1	320	7	49	<.1	17	9	355	3.49	<2	<5	<2	4	71	<.2	<2	<2	75	.67	.077	13	33	.63	97	.15	9	2.07	.02	.12	<1	32
A93 L8E 0+00S	<1	25	5	32	<.1	17	5	302	1.89	<2	<5	<2	2	53	<.2	<2	4	46	.56	.069	14	34	.43	109	.15	3	1.10	.05	.09	<1	9
A93 L8E 1+00S	1	70	5	85	<.1	42	11	430	3.73	<2	<5	<2	2	58	.2	<2	<2	78	.66	.141	13	53	.70	203	.16	4	2.45	.05	.13	<1	2
A93 L8E 2+00S	1	63	6	41	<.1	11	5	352	1.70	<2	<5	<2	<2	36	<.2	<2	3	38	.40	.030	8	21	.22	91	.10	2	1.28	.02	.09	1	2
RE A93 L8E 2+00S	1	63	6	40	.1	10	5	351	1.74	<2	<5	<2	<2	35	<.2	3	<2	40	.40	.029	8	20	.22	90	.10	3	1.27	.02	.08	1	2
A93 L8E 3+00S	2	182	6	77	<.1	17	10	504	5.34	<2	<5	<2	5	36	<.2	<2	<2	123	.63	.090	9	15	.58	85	.16	4	2.73	.02	.10	<1	1
A93 L8E 4+00S	1	71	7	40	.1	16	6	293	2.54	<2	<5	<2	3	44	<.2	<2	<2	63	.60	.048	12	31	.46	80	.17	3	1.50	.04	.09	<1	2
A93 L8E 5+00S	<1	29	5	45	<.1	20	6	211	2.34	<2	<5	<2	2	31	<.2	<2	<2	55	.36	.048	10	30	.35	93	.15	3	1.27	.03	.06	<1	6
A93 L8E 6+00S	1	45	6	53	.2	24	7	260	2.58	<2	8	<2	2	52	<.2	<2	3	53	.67	.042	14	35	.46	123	.13	4	1.70	.04	.13	1	1
A93 L8E 7+00S	<1	20	4	25	<.1	17	5	161	1.98	<2	<5	<2	2	33	<.2	<2	3	49	.44	.032	11	31	.33	79	.16	4	.96	.04	.07	<1	4
A93 L8E 8+00S	<1	21	4	25	.1	15	5	199	2.14	<2	<5	<2	2	38	<.2	<2	<2	53	.49	.056	12	34	.35	71	.16	3	.99	.04	.07	1	2
STANDARD C/AU-S	19	62	38	139	7.3	72	32	1095	4.09	42	22	8	36	53	18.9	18	21	59	.51	.086	40	62	.92	188	.10	34	1.94	.08	.16	11	47

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
A93 L10E 100S	<1	41	7	61	.1	25	8	329	2.34	<2	<5	<2	3	51	<.2	<2	<2	45	.55	.038	14	40	.68	113	.13	2	1.67	.03	.14	<1	3
RE A93 L10E 100S	<1	42	6	61	.1	26	8	324	2.33	<2	<5	<2	3	51	<.2	<2	<2	45	.55	.038	15	40	.69	112	.13	<2	1.65	.03	.13	<1	2
A93 L10E 0+00S	<1	37	3	54	<.1	21	8	244	2.20	7	7	<2	3	41	.2	<2	<2	41	.50	.021	13	38	.55	90	.13	2	1.62	.03	.11	1	1
A93 L10E 1+00S	1	767	2	77	.3	25	11	1537	4.33	5	17	<2	9	67	.2	<2	6	74	1.20	.096	49	32	.55	111	.11	<2	4.39	.02	.13	<1	6
A93 L10E 2+00S	1	124	6	154	.1	11	8	1785	2.65	8	<5	<2	4	34	.2	<2	<2	52	.48	.186	9	13	.33	162	.14	3	2.49	.02	.06	<1	1
A93 L10E 4+00S	1	106	13	98	.1	32	10	183	3.31	4	<5	<2	3	43	<.2	<2	<2	55	.39	.197	7	32	.38	158	.17	<2	2.96	.02	.08	<1	1
A93 L10E 5+00S	1	27	4	38	<.1	19	6	289	2.09	2	<5	<2	2	35	<.2	<2	2	44	.47	.033	10	35	.27	96	.13	<2	1.34	.02	.06	<1	1
A93 L10E 6+00S	<1	14	2	21	<.1	12	4	169	1.34	<2	<5	<2	3	33	<.2	<2	<2	34	.47	.046	11	25	.30	53	.13	2	.81	.03	.05	<1	5
A93 L12E 0+00S	<1	25	3	31	.1	31	10	309	2.84	2	<5	<2	3	45	<.2	<2	2	52	.71	.033	14	50	.61	155	.14	<2	1.83	.04	.18	<1	6
A93 L12E 1+00S	<1	37	<2	45	.1	32	8	219	3.25	4	<5	<2	2	38	<.2	<2	<2	70	.58	.071	7	43	.52	94	.14	3	1.90	.03	.09	<1	24
A93 L12E 2+00S	<1	291	2	135	.1	8	17	1075	6.05	2	<5	<2	4	28	<.2	<2	<2	125	.52	.174	9	10	.71	119	.27	<2	2.24	.02	.18	<1	1
A93 L12E 3+00S	<1	13	2	27	<.1	18	7	170	2.06	3	<5	<2	2	29	<.2	<2	<2	46	.36	.033	9	32	.33	82	.13	<2	1.11	.02	.05	<1	2
A93 L12E 4+00S	<1	19	3	26	<.1	19	5	193	1.83	2	<5	<2	2	35	<.2	<2	<2	43	.50	.059	12	30	.40	68	.14	<2	1.11	.02	.07	1	6
A93 L12E 5+00S	<1	24	5	45	<.1	26	8	240	2.92	3	<5	<2	<2	49	<.2	<2	<2	68	.65	.033	8	48	.48	113	.15	2	1.38	.03	.08	<1	1
A93 L12E 6+00S	<1	9	3	34	<.1	13	5	174	1.98	<2	<5	<2	<2	34	<.2	<2	<2	46	.45	.058	8	33	.25	92	.13	2	.91	.02	.06	<1	3
A93 TL 1+00E	1	70	8	51	<.1	16	8	348	2.84	<2	<5	<2	3	45	<.2	<2	<2	67	.47	.079	11	29	.44	101	.14	5	1.69	.02	.05	<1	9
A93 TL 7+00E	<1	25	3	29	<.1	16	6	295	2.04	3	<5	<2	2	37	<.2	<2	<2	49	.43	.044	10	31	.35	79	.13	<2	1.09	.02	.06	1	8
A93 TL 11+00E	<1	14	3	23	<.1	14	3	164	1.70	2	<5	<2	4	35	<.2	<2	<2	41	.46	.026	9	33	.34	57	.14	<2	.86	.03	.05	<1	2
93A 500E Tie 8+00S	<1	40	4	39	.1	19	6	263	2.18	<2	6	<2	2	37	<.2	<2	<2	47	.52	.017	12	31	.31	80	.14	<2	1.44	.02	.05	<1	1
AA93 L12N 12+00W	<1	40	<2	41	<.1	34	12	448	3.13	2	<5	<2	<2	103	.2	2	<2	64	.93	.063	10	52	1.09	112	.14	4	1.46	.06	.15	<1	1
AA93 L12N 11+00W	<1	46	2	55	.2	46	12	537	3.14	2	<5	<2	2	92	<.2	<2	2	62	.74	.025	11	54	.89	139	.15	2	1.80	.04	.14	<1	1
AA93 L12N 10+00W	<1	159	3	90	.5	87	13	426	3.34	<2	<5	<2	2	84	.3	<2	4	64	.92	.030	17	62	1.14	170	.14	2	2.02	.05	.14	<1	2
AA93 L12N 9+00W	<1	93	6	68	.4	71	15	621	3.66	4	<5	<2	3	80	<.2	2	2	72	.87	.054	14	60	1.31	153	.15	<2	1.97	.05	.18	<1	2
AA93 L12N 8+00W	<1	59	<2	47	.1	47	15	565	3.88	6	<5	<2	4	83	.3	<2	<2	80	.94	.067	15	70	1.31	185	.16	5	2.19	.05	.20	<1	3
AA93 L12N 7+00W	<1	52	3	46	<.1	47	16	595	4.00	3	<5	<2	3	83	.3	<2	<2	79	.86	.036	12	62	1.40	191	.16	<2	2.21	.05	.17	<1	1
AA93 L12N 6+00W	<1	237	3	60	.6	114	32	1454	4.46	15	<5	<2	2	185	1.3	<2	2	89	1.59	.114	19	69	1.60	464	.10	6	3.37	.04	.17	<1	5
AA93 L12N 5+00W	<1	290	2	55	.6	118	23	807	3.96	17	<5	<2	<2	205	.9	<2	5	84	1.81	.103	19	66	1.48	432	.08	8	3.13	.03	.16	<1	6
AA93 L12N 4+00W	1	73	5	51	.1	61	19	705	4.15	3	<5	<2	3	109	.5	<2	2	85	.87	.051	15	72	1.43	268	.15	2	2.60	.04	.15	<1	2
AA93 L12N 3+00W	<1	33	<2	33	.1	33	10	386	2.52	2	<5	<2	2	57	<.2	<2	<2	61	.64	.079	12	54	.87	154	.15	7	1.53	.03	.10	<1	6
AA93 L12N TP1 2+00W 25cm	1	20	<2	22	<.1	31	8	230	1.95	2	<5	<2	2	41	<.2	<2	<2	47	.45	.050	9	36	.50	113	.11	<2	1.09	.02	.06	<1	5
AA93 L12N TP1 2+00W 50cm	<1	26	3	26	<.1	37	9	308	2.48	<2	<5	<2	2	51	<.2	<2	<2	61	.55	.062	11	51	.63	135	.14	2	1.21	.03	.08	<1	28
AA93 L12N TP1 2+00W 60cm	<1	38	6	32	.1	49	11	311	2.78	4	<5	<2	3	62	<.2	<2	<2	61	.63	.071	14	59	.81	205	.14	<2	1.62	.03	.11	<1	13
AA93 L12N TP1 2+00W 90cm	<1	78	<2	74	<.1	239	82	1388	6.19	10	<5	<2	6	108	.9	<2	11	125	.90	.106	22	181	1.78	358	.12	2	2.94	.04	.19	<1	2
AA93 L12N TP2 6+50W 30cm	1	44	<2	40	.1	32	11	369	3.30	<2	<5	<2	3	76	<.2	<2	<2	73	.85	.059	13	49	1.05	162	.14	5	1.75	.04	.18	1	2
AA93 L12N TP2 6+50W 75cm	<1	84	4	52	<.1	32	12	505	3.60	<2	<5	<2	4	69	<.2	<2	<2	84	.96	.095	14	44	1.01	142	.16	2	1.69	.06	.22	1	6
AA93 L12N TP3 9+00W 35cm	<1	63	4	46	.1	58	15	531	3.62	<2	<5	<2	3	78	.5	<2	<2	77	.86	.061	15	66	1.26	153	.15	5	1.86	.06	.18	<1	4
AA93 L12N TP3 9+00W 65cm	<1	60	5	46	<.1	50	13	498	3.30	3	<5	<2	3	76	.2	<2	<2	71	.88	.084	14	59	1.16	157	.15	3	1.67	.06	.18	1	4
STANDARD C/AU-S	18	59	38	126	6.6	66	30	1000	3.96	38	18	6	35	52	18.5	19	21	54	.52	.086	38	58	.92	182	.09	34	1.88	.06	.14	12	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
AA93 LON 12+00W	<1	16	3	27	.1	28	8	162	2.04	<2	<5	<2	<2	38	<.2	<2	3	46	.36	.025	7	46	.36	107	.14	5	1.15	.03	.05	1	2
AA93 LON 11+00W	1	25	7	64	.1	55	10	291	3.04	<2	<5	<2	2	61	<.2	<2	5	62	.50	.062	11	85	.53	195	.16	3	1.83	.03	.11	<1	1
AA93 LON 10+00W	1	27	<2	38	.1	52	11	270	3.13	<2	<5	<2	3	62	<.2	<2	5	68	.53	.059	9	79	.66	154	.15	5	1.74	.03	.12	1	2
AA93 LON 9+00W	<1	25	<2	158	.1	83	19	776	4.53	<2	<5	<2	2	43	<.2	<2	<2	91	.30	.182	7	130	.70	200	.24	6	2.31	.02	.08	<1	1
AA93 LON 8+00W	1	24	5	54	.1	57	12	243	3.38	<2	<5	<2	3	58	<.2	<2	<2	74	.44	.057	8	90	.58	178	.18	4	1.96	.02	.08	<1	1
AA93 LON 7+00W	<1	12	3	36	<.1	31	7	184	2.41	6	<5	<2	3	33	<.2	2	<2	47	.37	.062	10	44	.42	95	.14	<2	1.27	.02	.09	1	3
AA93 LON 6+00W	3	40	2	69	<.1	123	22	262	6.18	6	<5	<2	3	96	<.2	<2	5	96	.59	.126	10	154	1.16	245	.10	<2	3.59	.04	.09	<1	1
AA93 LON 5+00W	<1	34	<2	72	.1	97	17	405	4.60	<2	<5	<2	2	95	<.2	<2	2	84	.58	.057	9	151	.97	267	.17	4	2.63	.06	.07	<1	<1
AA93 LON 4+00W	<1	38	2	94	.1	101	17	291	4.01	<2	<5	<2	2	78	.2	2	5	74	.52	.112	9	115	.83	274	.16	2	2.84	.03	.09	1	3
AA93 LON 3+00W	<1	56	<2	88	.1	166	21	394	5.32	<2	<5	<2	4	113	.4	<2	6	104	.60	.074	13	186	1.20	359	.21	5	3.28	.04	.10	<1	5
AA93 LON 2+00W	<1	59	2	101	.1	244	24	271	7.70	12	<5	<2	4	104	.2	<2	10	104	.57	.150	8	175	.88	370	.13	<2	4.20	.03	.13	<1	1
AA93 LON 1+00W	<1	48	2	98	.1	177	21	517	5.72	<2	<5	<2	6	124	.3	<2	8	91	.64	.100	14	226	.84	429	.17	6	3.67	.03	.17	<1	<1
AA93 LON 0+00W	<1	17	<2	29	.1	29	8	204	2.41	<2	<5	<2	2	39	<.2	<2	4	55	.47	.051	10	45	.46	111	.14	6	1.33	.03	.07	<1	2
K93 L1 0+00S	<1	14	2	25	<.1	19	5	202	2.00	3	<5	<2	3	42	<.2	<2	<2	49	.50	.053	12	38	.46	90	.16	6	1.19	.02	.07	1	3
K93 L1 1+00S	<1	11	2	31	.1	17	7	196	2.39	2	<5	<2	3	39	<.2	<2	<2	61	.47	.034	12	43	.45	87	.17	<2	1.06	.02	.06	<1	2
K93 L1 2+00S	1	15	<2	27	<.1	27	7	233	2.41	5	<5	<2	3	41	<.2	<2	<2	60	.49	.054	12	42	.49	101	.16	<2	1.31	.02	.07	1	2
K93 L1 3+00S	<1	10	<2	28	<.1	18	6	204	1.84	<2	<5	<2	2	41	.3	<2	3	45	.54	.053	12	35	.46	80	.15	2	1.08	.03	.06	1	1
K93 L1 4+00S	<1	8	4	24	<.1	21	7	195	2.26	2	5	<2	2	35	<.2	<2	2	58	.46	.050	9	35	.43	75	.13	3	.85	.02	.05	<1	2
K93 L1 5+00S	<1	12	3	30	.1	21	6	204	1.97	2	<5	<2	3	39	<.2	<2	<2	46	.46	.046	11	36	.49	79	.15	5	1.13	.02	.07	<1	2
K93 L1 6+00S	<1	12	2	25	<.1	16	6	224	2.18	5	<5	<2	3	44	<.2	<2	<2	52	.58	.048	13	38	.51	76	.15	3	1.22	.03	.09	<1	7
K93 L1 7+00S	<1	26	4	43	.1	29	11	384	3.40	4	<5	<2	4	64	.2	<2	<2	68	.71	.037	14	56	.74	139	.17	5	1.98	.04	.17	<1	12
K93 L1 8+00S	<1	13	3	28	<.1	21	6	209	2.14	<2	<5	<2	3	44	<.2	<2	2	49	.52	.038	13	40	.50	94	.16	5	1.25	.03	.07	<1	2
K93 L1 9+00S	<1	12	3	30	<.1	16	7	203	1.84	<2	<5	<2	3	40	<.2	<2	2	44	.51	.046	13	37	.49	87	.17	<2	1.15	.03	.06	1	2
K93 L1 10+00S	<1	11	5	32	<.1	20	6	227	2.16	6	<5	<2	4	49	<.2	<2	<2	49	.58	.034	13	46	.53	90	.17	2	1.30	.03	.10	1	3
K93 L1 11+00S	<1	16	3	27	<.1	21	7	254	2.32	3	<5	<2	3	41	<.2	<2	<2	55	.52	.045	13	45	.51	85	.17	9	1.21	.03	.08	<1	2
RE K93 L1 11+00S	<1	14	3	30	.1	19	8	256	2.33	<2	<5	<2	4	41	<.2	<2	<2	55	.51	.046	13	44	.52	87	.17	<2	1.22	.03	.08	<1	2
K93 L1 12+00S	<1	10	4	23	.1	12	5	179	1.39	3	7	<2	3	32	<.2	<2	<2	33	.40	.024	9	30	.33	72	.15	7	1.04	.02	.06	1	2
K93 L1 13+00S	<1	17	2	28	<.1	20	6	229	2.15	<2	<5	<2	3	39	<.2	<2	<2	49	.48	.049	13	39	.51	82	.15	<2	1.18	.03	.08	1	3
K93 L1 14+00S	<1	12	3	27	<.1	19	7	187	2.05	3	<5	<2	3	35	<.2	<2	6	49	.43	.037	10	39	.44	79	.14	4	1.07	.02	.05	<1	3
K93 L2 0+00S	<1	13	<2	26	<.1	13	4	169	1.58	<2	<5	<2	3	36	<.2	<2	<2	35	.45	.038	10	30	.40	84	.15	2	1.22	.02	.06	<1	2
K93 L2 1+00S	<1	27	4	51	.3	33	9	333	3.14	2	<5	<2	3	58	.3	<2	<2	45	.60	.042	12	56	.66	162	.16	4	2.46	.03	.18	<1	3
K93 L2 2+00S	<1	14	5	36	<.1	20	6	223	2.04	4	<5	<2	3	41	<.2	<2	<2	45	.54	.050	13	39	.55	78	.16	<2	1.20	.03	.09	<1	3
K93 L2 3+00S	<1	18	5	31	<.1	17	6	218	2.26	<2	<5	<2	3	44	<.2	<2	2	49	.54	.053	13	42	.55	102	.16	2	1.47	.03	.09	<1	2
K93 L2 4+00S	<1	12	4	32	.1	22	6	220	1.95	<2	<5	<2	3	38	<.2	<2	<2	44	.49	.049	13	36	.51	83	.16	<2	1.22	.03	.06	<1	11
K93 L2 5+00S	<1	9	5	42	<.1	22	6	249	2.15	<2	<5	<2	2	32	<.2	<2	<2	48	.42	.061	8	33	.37	97	.13	2	1.15	.02	.07	<1	2
K93 L2 6+00S	1	11	3	33	.1	18	5	174	1.80	<2	<5	<2	2	34	<.2	<2	<2	43	.42	.035	9	33	.46	79	.14	<2	1.17	.02	.05	<1	5
K93 L2 7+00S	<1	13	3	27	.1	14	4	128	1.37	<2	<5	<2	2	31	.2	<2	<2	28	.38	.036	17	26	.31	77	.12	2	1.05	.02	.05	1	1
STANDARD C/AU-S	18	59	38	123	6.7	65	29	993	3.96	39	19	6	37	52	18.4	19	21	56	.49	.086	37	58	.92	188	.09	33	1.88	.07	.14	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
A93 ACE 4-S1	1	19	4	37	.1	23	7	286	2.26	<2	<5	<2	<2	69	<.2	<2	<2	53	.90	.074	9	38	.59	115	.12	4	1.06	.06	.09	1	2
AA93 AS-03	1	23	2	49	.2	23	13	3478	3.65	3	<5	<2	<2	78	<.2	<2	<2	82	.88	.070	9	43	.74	294	.16	5	1.36	.10	.11	1	32
AA93 AS-04	2	29	4	72	.1	26	15	6488	3.69	7	<5	<2	<2	100	<.2	<2	<2	59	.89	.067	11	37	.55	493	.11	5	1.55	.05	.13	<1	3
AA93 AS-05	2	35	2	54	.1	29	13	3496	3.73	5	<5	<2	<2	91	.2	<2	<2	77	1.05	.077	9	42	.80	365	.14	5	1.58	.08	.12	<1	22
AA93 AS-06	2	25	2	45	.1	27	11	2362	3.54	2	<5	<2	<2	70	<.2	<2	<2	83	1.01	.074	7	42	.82	202	.15	3	1.34	.08	.10	1	3
AA93 AS-07	1	44	3	43	<.1	25	11	1322	4.05	3	<5	<2	2	76	<.2	<2	<2	96	1.01	.081	8	40	.97	187	.17	4	1.48	.11	.14	1	4
AA93 AS-08	1	26	3	40	.2	25	10	1519	3.25	5	<5	<2	<2	64	<.2	<2	3	69	.84	.055	8	38	.69	187	.14	6	1.29	.07	.11	1	2
RE AA93 AS-08	1	24	2	39	.1	25	10	1508	3.17	2	<5	<2	2	62	<.2	<2	<2	67	.84	.056	8	38	.67	183	.14	4	1.26	.07	.11	1	1
AA93 AS-09	1	21	3	36	<.1	22	9	1098	2.92	<2	<5	<2	<2	56	<.2	<2	<2	62	.75	.059	7	35	.65	138	.14	4	1.17	.07	.10	1	12
K93 AM-S1	<1	32	4	48	<.1	20	11	763	3.45	<2	<5	<2	2	94	<.2	<2	2	78	.85	.103	15	48	.49	132	.14	4	1.52	.09	.10	<1	2
K93 AM-S1-A	1	21	5	39	<.1	11	6	458	2.57	<2	<5	<2	2	109	<.2	<2	<2	48	.95	.094	13	22	.42	104	.11	3	1.24	.13	.10	<1	2
K93 AM-S2	<1	15	2	42	.1	14	5	279	1.95	<2	<5	<2	2	54	<.2	<2	2	43	.83	.078	9	32	.60	75	.15	3	1.31	.07	.09	1	2
K93 AM-S3	<1	12	3	61	<.1	17	8	1248	2.66	<2	<5	<2	<2	58	<.2	<2	<2	47	.74	.088	9	35	.47	116	.10	3	.96	.05	.10	<1	2
K93 AM-S4	<1	15	3	36	.1	17	7	459	3.60	<2	<5	<2	2	72	<.2	<2	<2	91	.82	.084	11	42	.44	79	.11	3	.92	.07	.07	<1	1
K93 RA-S1	1	50	5	43	.2	42	20	1129	3.86	4	<5	<2	2	86	.3	<2	<2	79	1.03	.061	17	54	.72	212	.15	4	1.95	.07	.18	1	2
K93 RA-S2	<1	27	4	42	.2	26	12	520	3.70	5	<5	<2	2	89	<.2	3	<2	71	.92	.075	13	45	.75	172	.15	8	1.49	.08	.13	1	1
K93 RA-S3	<1	25	5	42	.1	24	9	398	2.84	<2	<5	<2	2	65	<.2	<2	<2	58	.83	.070	11	42	.62	118	.14	4	1.44	.06	.13	1	1
K93 RA-S4	<1	25	4	48	<.1	32	14	1227	3.67	3	<5	<2	<2	75	.2	<2	<2	68	.92	.077	12	43	.81	160	.16	6	1.45	.09	.16	1	1
K93 RA-S5	1	29	4	55	.1	37	16	1601	4.14	5	<5	<2	2	89	.2	<2	<2	74	1.01	.084	13	47	.89	199	.17	3	1.62	.11	.18	<1	2
K93 RA-S6	<1	30	4	49	.1	34	15	1608	4.29	4	<5	<2	2	87	.2	<2	2	88	1.01	.084	12	53	.91	177	.16	4	1.53	.11	.17	<1	2
K93 RA-S7	<1	27	3	47	<.1	31	14	1244	4.04	3	<5	<2	2	83	<.2	<2	<2	87	1.02	.088	12	50	.93	149	.18	5	1.51	.10	.14	1	5
K93 RA-S8	<1	26	3	45	.2	27	11	1598	3.20	3	<5	<2	2	65	<.2	<2	<2	58	.89	.070	11	42	.66	155	.12	3	1.33	.06	.13	1	2
KING-93-DB-S1	1	59	5	80	.2	31	15	1113	3.98	7	<5	<2	<2	140	.2	<2	<2	89	3.65	.104	13	50	1.14	164	.10	7	1.77	.07	.12	<1	2
KING-93-DB-S2	<1	28	2	42	<.1	29	14	702	3.42	<2	<5	<2	<2	65	<.2	<2	<2	75	.92	.079	10	45	.87	118	.18	4	1.45	.10	.14	<1	2
KING-93-DB-S3	<1	40	4	44	.1	29	10	427	3.07	<2	<5	<2	2	81	<.2	<2	<2	64	.84	.060	15	53	.72	152	.15	4	1.73	.05	.15	1	2
KING-93-DB-S4	1	26	3	39	.1	24	10	382	3.33	<2	<5	<2	<2	65	<.2	<2	<2	74	.82	.072	11	46	.72	98	.16	5	1.31	.07	.12	1	2
KING-93-DB-S5	<1	41	4	61	.1	29	13	988	3.72	6	<5	<2	<2	73	<.2	<2	<2	81	1.04	.073	13	55	.72	142	.12	6	1.69	.05	.15	<1	3
RJA-93-004	<1	47	5	56	.2	33	14	929	3.41	7	<5	<2	<2	79	<.2	<2	<2	80	1.27	.075	11	60	.94	132	.13	5	1.63	.06	.14	<1	4
TT93 AF-01	<1	18	3	39	<.1	23	8	444	2.11	<2	<5	<2	3	52	.2	2	<2	34	.66	.059	13	28	.58	81	.13	3	1.00	.07	.09	1	2
TT93 AS-10	1	20	4	33	<.1	19	8	840	2.63	<2	<5	<2	<2	50	<.2	<2	4	55	.73	.052	6	28	.61	118	.13	3	1.11	.07	.11	1	2
TT93 AS-11	<1	19	2	30	.2	21	8	651	3.77	2	<5	<2	<2	52	<.2	<2	<2	94	.77	.056	6	42	.60	92	.12	5	.98	.06	.08	1	2
TT93 AS-12	<1	19	3	32	.2	22	8	629	4.04	<2	<5	<2	<2	53	<.2	<2	<2	101	.74	.057	8	48	.48	98	.10	5	.97	.05	.07	1	2
TT93 AS-13	1	24	3	41	.2	22	9	591	3.11	4	<5	<2	<2	65	<.2	<2	3	61	.91	.069	8	35	.72	134	.14	5	1.38	.08	.12	1	4
TT93 AS-14	<1	30	3	40	<.1	20	9	1184	3.25	3	<5	<2	<2	65	<.2	<2	<2	60	.87	.077	9	34	.62	167	.12	4	1.28	.06	.11	1	2
TT93 AS-15	<1	19	3	40	<.1	18	11	1984	3.87	7	<5	<2	<2	68	<.2	<2	<2	63	.86	.085	9	30	.63	231	.13	4	1.20	.07	.10	1	2
TT93 AS-16	1	29	4	41	<.1	24	10	1244	2.65	<2	<5	<2	<2	68	<.2	<2	<2	57	.81	.058	12	34	.52	205	.12	3	1.36	.05	.11	<1	3
TT93 AS-17	<1	27	2	39	.1	27	11	1261	3.73	4	<5	<2	2	70	<.2	<2	<2	77	.83	.079	11	38	.68	174	.15	8	1.21	.08	.10	1	1
STANDARD C/AU-S	18	60	38	129	7.0	72	30	1027	3.96	40	19	7	37	52	18.1	18	19	54	.49	.086	38	56	.94	182	.09	34	1.88	.08	.16	12	49

Sample type: SILT. 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
TT93 AS-18	<1	25	3	38	.1	23	13	2167	4.72	7	<5	<2	2	65	<.2	<2	<2	104	.89	.094	10	38	.66	257	.14	5	1.17	.07	.09	1	1
TT93 AS-19	<1	19	2	34	.6	24	11	2191	5.23	4	<5	3	<2	62	<.2	<2	<2	129	.71	.075	11	46	.45	237	.11	4	.99	.04	.08	<1	1
TT93 AS-20	<1	25	3	37	.2	24	9	1459	3.60	4	<5	<2	<2	72	<.2	<2	<2	65	.88	.083	12	39	.53	207	.10	4	1.39	.04	.11	<1	1
TT93 AS-21	<1	15	2	31	.1	17	7	581	2.13	<2	<5	<2	<2	53	<.2	<2	<2	42	.73	.059	8	33	.43	112	.10	3	1.05	.04	.08	1	<1
TT93 AS-22	<1	18	2	36	.2	21	9	1402	2.59	<2	<5	<2	2	61	<.2	<2	<2	50	.79	.063	10	37	.50	165	.11	4	1.24	.05	.10	<1	<1
TT93 AS-23	<1	20	4	37	.1	23	8	659	2.71	<2	<5	<2	3	50	.2	<2	2	57	.70	.058	12	37	.58	111	.12	3	1.15	.05	.12	<1	1
TT93 AS-24	<1	20	2	39	.3	22	11	1256	3.18	5	<5	<2	2	56	<.2	<2	<2	60	.82	.070	10	34	.76	149	.14	4	1.27	.08	.11	1	1
TT93 AS-26	<1	16	3	41	.1	24	9	843	2.71	3	<5	<2	4	59	<.2	<2	<2	48	.79	.069	14	36	.63	111	.14	3	1.14	.06	.11	<1	<1
TT93 AS-28	<1	12	2	30	.3	19	6	363	1.99	<2	6	<2	4	42	<.2	<2	<2	39	.61	.063	13	28	.49	64	.12	3	.84	.05	.07	1	<1
RE TT93 AS-28	<1	12	3	30	.2	19	6	356	2.05	<2	<5	<2	4	42	<.2	<2	3	41	.61	.062	13	30	.50	66	.12	5	.84	.05	.08	1	<1
TT93 RS-1	<1	26	3	37	.3	25	10	1508	3.36	2	<5	<2	4	64	<.2	<2	<2	67	.74	.054	11	44	.68	191	.14	4	1.47	.06	.15	1	3
TT93 RS-2	3	62	3	56	.4	46	29	5671	7.30	17	<5	<2	2	138	.5	<2	<2	103	1.11	.089	17	59	.90	683	.13	3	2.77	.06	.22	<1	2
TT93 RS-3	<1	58	3	54	.5	37	21	1197	4.65	6	<5	<2	3	86	.2	<2	<2	79	.85	.075	14	56	.76	385	.13	3	2.62	.04	.16	<1	1
93TT-S1	<1	18	3	33	<.1	17	8	367	2.36	<2	<5	<2	<2	38	<.2	<2	2	46	.58	.049	7	27	.45	88	.10	3	.86	.04	.07	1	1
TT3-S1	<1	14	3	22	.1	18	6	293	1.73	<2	<5	<2	3	33	<.2	<2	3	38	.48	.052	9	23	.42	60	.10	7	.72	.04	.08	<1	<1
STANDARD C/AU-S	18	61	38	128	7.0	71	30	1008	3.96	39	18	6	36	51	19.4	18	20	54	.49	.086	37	57	.92	182	.09	35	1.88	.08	.16	12	46

Sample type: SILT. 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

Box 756, Squamish BC V0N 3G0

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-DORA9-DB2	4	168	7	18	.3	5	3	306	2.45	6	<5	<2	5	37	<.2	<2	<2	65	.39	.073	9	6	.08	38	.06	6	.28	.11	.07	1	10
93-DB-TT-1	2	365	7	28	.3	8	6	378	3.28	4	<5	<2	3	50	<.2	2	<2	92	.91	.119	11	15	.42	52	.14	7	.66	.09	.17	1	7
93-DB-TT-2	1	201	3	32	.4	8	10	401	3.65	4	<5	<2	4	43	<.2	<2	<2	116	1.08	.155	11	7	.72	88	.18	5	.98	.11	.30	1	9
93-DB-TT-3	2	179	3	41	.2	17	13	406	4.65	<2	<5	<2	6	48	<.2	<2	<2	153	1.31	.186	9	35	.86	75	.15	6	1.28	.10	.32	1	9
RE 93-DB-TT-3	2	178	4	41	.2	17	12	403	4.66	<2	<5	<2	6	48	<.2	<2	<2	154	1.30	.185	9	35	.85	74	.15	7	1.27	.10	.30	1	4
93-DB-TT-4	1	301	2	53	.3	19	14	569	4.54	<2	<5	<2	6	41	<.2	<2	<2	149	1.55	.245	15	36	.97	52	.16	5	1.26	.09	.23	<1	19
93-DB-TT-5	8	369	5	30	.2	8	6	256	2.79	2	<5	<2	6	31	<.2	<2	<2	78	.81	.160	14	5	.28	43	.11	5	.56	.09	.16	1	12
93-DB-TT-6	1	508	<2	63	.4	38	19	488	5.26	5	<5	<2	2	54	.2	<2	<2	167	1.63	.205	8	123	1.40	94	.19	5	1.55	.12	.32	<1	38
93-DB-TT-7	3	244	6	39	.2	9	7	471	3.51	<2	<5	<2	3	23	<.2	<2	<2	81	.72	.109	11	20	.37	36	.13	5	.68	.09	.19	1	6
93-DB-TT-8	4	253	2	53	.2	4	5	459	2.58	3	<5	<2	2	124	<.2	<2	<2	48	1.26	.078	3	5	.42	40	.10	4	1.34	.28	.21	<1	8
A-93-R L4 4+00S	2	112	3	32	.2	7	5	318	3.10	<2	<5	<2	7	38	<.2	2	<2	90	.63	.121	13	7	.37	55	.13	9	.53	.15	.25	1	4
A-93-R L4 5+00S	3	83	3	32	.3	6	6	317	3.31	<2	6	<2	6	35	<.2	<2	<2	96	.58	.114	11	17	.31	55	.12	8	.51	.13	.25	1	3
A-93-R L4 7+00S	2	117	5	33	.1	6	6	284	3.18	<2	<5	<2	5	30	<.2	<2	<2	102	.58	.127	13	6	.31	50	.12	9	.45	.11	.24	1	2
A-93-R L4 8+00S	3	90	5	43	.2	6	6	374	3.34	<2	<5	<2	5	38	<.2	<2	<2	101	.59	.123	13	6	.34	67	.13	9	.52	.15	.28	1	2
A-93-R L6E 8+00N	4	42	7	22	.1	7	2	241	2.01	<2	<5	<2	4	27	<.2	<2	<2	42	.24	.039	6	26	.06	43	.06	6	.31	.13	.09	<1	2
A-93-R L6E 2+00N	2	94	3	17	.2	5	4	306	2.45	2	<5	<2	4	77	<.2	<2	2	68	.44	.074	9	6	.12	57	.07	6	.33	.09	.08	1	2
B-93-AR-01	<1	98	4	78	.6	21	18	595	4.95	2	<5	<2	2	149	<.2	<2	<2	129	3.23	.088	7	26	1.40	41	.29	5	2.30	.22	.07	1	6
B-93-AR-02	<1	179	9	73	.4	15	20	601	4.63	<2	<5	<2	<2	79	<.2	<2	<2	133	1.55	.135	8	17	1.22	67	.21	7	1.78	.06	.49	<1	3
B-93-AR-02 dup	1	264	<2	47	.4	69	27	440	3.56	<2	<5	<2	<2	96	<.2	<2	<2	77	1.55	.144	4	181	1.49	24	.22	7	1.34	.09	.21	1	6
B-93-AR-03	<1	192	2	48	.5	71	18	339	4.43	<2	<5	<2	2	85	<.2	<2	<2	107	1.73	.127	5	191	1.61	36	.24	10	1.51	.07	.50	1	4
B-93-DB-1	5	9	<2	27	.3	12	10	885	1.85	19	8	<2	2	41	<.2	<2	<2	36	5.27	.103	12	28	.28	21	.14	5	1.03	.06	.03	1	8
B-93-DB-2	1	30	11	68	.4	10	10	510	2.87	5	<5	<2	2	41	<.2	<2	<2	63	1.16	.064	6	19	1.33	34	.30	4	1.88	.08	.05	<1	<1
B-93-DB-3	<1	169	2	47	.2	65	19	391	4.17	<2	<5	<2	<2	148	<.2	<2	<2	90	2.95	.094	3	186	1.93	25	.24	9	2.19	.08	.19	1	2
B-93-DB-4	1	86	5	79	.6	19	19	548	3.46	18	<5	<2	2	144	<.2	<2	<2	100	3.27	.127	4	31	1.58	32	.18	8	2.03	.05	.29	1	16
B-93-DB-5	2	5	3	50	.2	7	8	1031	2.76	14	<5	<2	<2	6	<.2	<2	<2	15	.13	.039	8	6	.06	53	.01	7	.46	.05	.17	1	<1
B-93-RR-01	1	145	2	45	.3	55	32	614	3.82	<2	<5	<2	<2	76	<.2	<2	<2	95	2.25	.092	2	121	2.10	86	.21	8	1.80	.09	1.02	1	2
B-93-RR-02	<1	163	<2	36	.3	63	36	493	3.61	<2	<5	<2	<2	80	<.2	<2	<2	80	2.81	.088	2	126	1.87	45	.20	6	1.53	.05	.81	1	2
B-93-RR-03	1	58	2	50	.2	38	15	548	2.43	<2	<5	<2	<2	174	.2	<2	<2	53	2.12	.053	<2	55	1.34	28	.14	9	1.43	.06	.12	1	1
B-93-RR-04	1	32	2	65	.1	32	14	1216	4.64	<2	<5	<2	<2	198	<.2	<2	<2	150	4.35	.080	2	100	1.35	51	.13	10	1.40	.04	.02	<1	2
B-93-RR-05	1	62	<2	38	.3	19	10	1232	4.24	<2	<5	<2	<2	407	.3	<2	<2	122	6.17	.031	<2	27	1.02	58	.06	8	1.50	.01	<.01	1	3
K93 L10S 3+50E	2	61	2	18	.2	5	4	262	2.61	<2	6	<2	11	35	<.2	<2	3	72	.54	.093	11	6	.17	38	.07	6	.39	.10	.11	1	3
K93 BL 6+00S	2	120	3	18	.2	5	4	343	2.59	<2	<5	<2	7	42	<.2	<2	<2	71	.54	.093	12	5	.17	43	.06	7	.45	.12	.09	1	4
IS-93-01	<1	145	2	47	.2	78	19	504	4.74	19	<5	<2	<2	117	<.2	<2	<2	64	2.33	.073	2	312	1.49	49	.08	21	1.46	.03	.15	2	4
IS-93-02	<1	46	<2	46	.2	70	17	473	3.97	20	<5	<2	<2	138	<.2	<2	<2	54	2.22	.076	2	343	1.43	39	.08	16	1.38	.03	.12	1	3
KING-93 DB-1F	<1	157	3	82	.2	32	21	1130	3.48	19	<5	<2	<2	62	.3	<2	<2	90	7.95	.076	11	85	.69	59	.22	6	.54	.02	.13	<1	3
STANDARD C/AU-R	18	62	38	128	7.3	70	30	1004	3.96	38	20	7	35	52	19.2	18	20	55	.52	.086	38	58	.91	183	.09	33	1.88	.08	.16	11	480

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 ACID LEACH/AA FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 22 1993 **DATE REPORT MAILED:** June 29/93 **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
B93 BL 0+00	<1	15	9	32	<.1	23	8	263	2.23	<2	<5	<2	3	61	.2	<2	<2	52	.52	.067	12	43	.46	167	.15	2	1.20	.02	.10	1	3
B93 LOS 1+00E	<1	14	3	32	<.1	25	7	197	2.35	<2	<5	<2	2	45	.2	2	<2	56	.46	.060	9	39	.37	132	.15	<2	1.14	.02	.06	<1	1
B93 LOS 2+00E	<1	12	3	28	<.1	20	6	186	2.37	<2	<5	<2	2	42	<.2	<2	<2	58	.43	.049	9	38	.37	115	.15	2	1.07	.02	.06	<1	1
B93 LOS 3+00E	<1	14	3	30	<.1	23	5	159	1.98	<2	<5	<2	2	39	<.2	<2	<2	45	.42	.057	9	34	.38	114	.14	5	1.23	.02	.05	<1	1
B93 LOS 4+00E	1	8	3	31	<.1	20	6	132	2.09	<2	<5	<2	<2	26	<.2	<2	<2	47	.32	.098	5	29	.25	117	.11	2	1.21	.02	.04	<1	<1
B93 LOS 5+00E	<1	13	<2	24	<.1	19	5	180	2.37	<2	<5	<2	2	35	<.2	<2	<2	59	.42	.045	8	33	.33	114	.14	2	1.04	.02	.05	<1	1
RE B93 LOS 5+00E	<1	13	3	27	<.1	17	6	182	2.39	<2	<5	<2	<2	35	<.2	<2	<2	59	.42	.046	8	34	.34	117	.14	<2	1.05	.02	.05	<1	1
B93 LOS 6+00E	<1	11	3	33	<.1	12	4	145	1.69	5	<5	<2	<2	27	<.2	<2	<2	42	.31	.018	6	25	.27	77	.13	2	1.07	.02	.04	<1	<1
B93 LOS 7+00E	<1	12	4	24	<.1	16	3	148	1.58	<2	<5	<2	<2	33	<.2	<2	<2	38	.40	.040	6	25	.33	90	.12	6	1.03	.02	.04	<1	<1
B93 LOS 8+00E	<1	14	2	30	<.1	16	7	261	2.18	3	<5	<2	<2	35	<.2	<2	<2	52	.40	.028	6	29	.34	101	.12	5	1.20	.02	.05	<1	<1
B93 LOS 9+00E	<1	32	4	44	.1	30	10	397	3.38	<2	<5	<2	3	68	<.2	<2	<2	61	.74	.032	11	48	.69	158	.16	<2	2.13	.03	.11	<1	1
B93 LOS 10+00E	<1	13	<2	26	<.1	18	5	201	2.61	2	<5	<2	2	50	<.2	<2	<2	62	.60	.050	9	32	.45	120	.12	4	.98	.03	.06	<1	9
B93 LOS 11+00E	<1	11	<2	25	<.1	16	3	158	1.83	<2	<5	<2	2	37	<.2	<2	3	43	.42	.052	7	27	.34	100	.11	8	1.04	.02	.04	<1	1
B93 LOS 12+00E	<1	11	3	25	<.1	17	4	183	1.91	2	<5	<2	2	50	<.2	<2	<2	47	.54	.053	9	35	.39	113	.14	3	.97	.03	.06	<1	<1
B93 LOS 13+00E	<1	8	2	19	.1	13	4	145	1.68	<2	<5	<2	2	35	<.2	<2	<2	43	.39	.024	6	28	.32	66	.12	7	.72	.02	.04	<1	2
B93 LOS 14+00E	<1	13	4	28	.1	15	4	162	1.58	2	<5	<2	<2	33	<.2	<2	<2	36	.40	.036	7	28	.34	82	.12	4	.99	.02	.05	<1	1
B93 LOS 15+00E	1	19	4	34	.2	30	7	172	3.08	<2	<5	<2	2	41	<.2	<2	3	66	.39	.078	9	39	.34	160	.12	3	1.73	.02	.05	<1	2
B93 LOS 16+00E	1	12	<2	31	.1	13	5	257	1.99	<2	<5	<2	<2	39	.4	<2	<2	49	.52	.054	8	28	.49	99	.15	3	1.07	.02	.07	<1	1
B93 LOS 17+00E	<1	12	4	27	<.1	13	5	197	1.64	2	<5	<2	2	48	<.2	<2	<2	38	.59	.076	11	28	.42	107	.15	7	1.04	.02	.06	<1	2
B93 LOS 18+00E	<1	13	<2	23	<.1	15	4	241	2.30	<2	<5	<2	2	52	<.2	<2	<2	57	.62	.073	12	36	.44	113	.15	3	1.05	.03	.07	<1	5
B93 LOS 19+00E	<1	20	<2	28	<.1	29	6	134	2.29	3	<5	<2	2	43	<.2	<2	<2	53	.40	.056	10	36	.29	153	.13	4	1.73	.02	.04	<1	20
B93 LOS 20+00E	<1	8	2	48	<.1	12	4	170	1.71	2	<5	<2	<2	26	.2	<2	<2	39	.27	.051	6	26	.21	105	.13	<2	1.13	.02	.03	<1	7
B93 L2S 1+00E	<1	12	<2	29	.1	14	5	169	1.70	<2	<5	<2	<2	39	<.2	<2	<2	42	.41	.037	8	35	.35	115	.14	5	1.14	.02	.04	<1	5
B93 L2S 2+00E	<1	21	2	28	.1	21	7	230	2.06	<2	<5	<2	2	47	<.2	<2	<2	49	.48	.051	10	34	.41	120	.14	<2	1.27	.02	.07	1	3
B93 L2S 3+00E	<1	11	2	33	<.1	14	6	169	2.02	<2	<5	<2	<2	35	<.2	<2	<2	49	.42	.027	7	33	.31	82	.14	4	.94	.02	.05	<1	3
B93 L2S 4+00E	<1	15	4	25	<.1	14	6	301	1.71	<2	<5	<2	2	44	.2	<2	<2	42	.51	.040	9	32	.41	96	.14	2	1.08	.02	.06	<1	3
B93 L2S 5+00E	<1	26	5	50	<.1	21	8	229	2.96	<2	<5	<2	2	29	.2	2	<2	62	.35	.129	7	43	.45	106	.15	5	2.05	.02	.06	1	2
B93 L2S 6+00E	<1	15	<2	29	<.1	20	6	197	2.61	2	<5	<2	2	43	.3	<2	<2	63	.53	.049	7	38	.38	90	.15	5	1.32	.02	.05	<1	2
B93 L2S 7+00E	<1	20	3	34	.1	24	8	194	2.81	<2	<5	<2	<2	34	<.2	<2	<2	60	.45	.064	5	43	.51	99	.14	3	1.66	.02	.08	<1	3
B93 L2S 8+00E	<1	12	<2	27	<.1	18	5	185	2.14	<2	<5	<2	2	36	<.2	<2	<2	55	.45	.045	8	34	.35	80	.15	<2	1.02	.02	.04	<1	6
B93 L2S 9+00E	<1	18	5	38	<.1	19	9	280	2.55	2	<5	<2	<2	44	<.2	<2	<2	60	.48	.055	10	35	.46	123	.14	4	1.43	.02	.06	<1	2
B93 L2S 10+00E	<1	13	2	34	<.1	16	6	198	1.95	<2	<5	<2	<2	40	.5	<2	<2	45	.43	.028	8	33	.41	91	.14	4	1.18	.02	.05	1	1
B93 L2S 11+00E	<1	41	2	43	.3	28	8	303	3.13	2	<5	<2	2	67	<.2	<2	<2	56	.70	.030	12	48	.66	155	.15	4	2.30	.03	.14	1	2
B93 L2S 12+00E	<1	14	3	26	.1	16	5	204	1.98	<2	<5	<2	<2	52	<.2	<2	<2	46	.62	.028	10	31	.42	109	.14	<2	1.19	.03	.06	<1	3
B93 L2S 13+00E	<1	16	3	39	.1	17	7	292	2.32	2	<5	<2	<2	39	<.2	<2	<2	54	.42	.026	7	34	.35	119	.13	3	1.55	.02	.06	<1	5
B93 L2S 14+00E	<1	13	3	35	<.1	16	5	158	1.77	<2	<5	<2	<2	33	<.2	<2	<2	40	.35	.026	6	28	.29	94	.12	2	1.28	.02	.04	<1	9
B93 L2S 15+00E	<1	10	<2	34	<.1	12	4	138	1.32	<2	<5	<2	<2	30	<.2	<2	<2	29	.35	.023	6	23	.29	78	.12	2	1.08	.02	.04	<1	3
STANDARD C/AU-S	18	60	39	126	6.7	68	29	1000	3.96	43	19	6	37	52	18.2	19	19	56	.49	.086	37	59	.92	188	.09	33	1.88	.07	.14	12	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
B93 L2S 16+00E	<1	10	3	25	.1	13	4	177	1.61	<2	<5	<2	2	39	<.2	<2	<2	38	.47	.033	7	28	.39	81	.15	4	.92	.04	.08	1	6
B93 L2S 17+00E	1	14	4	50	.2	25	7	129	2.50	<2	<5	<2	2	33	.2	<2	2	56	.33	.097	8	35	.28	122	.12	3	1.64	.02	.05	1	8
B93 L2S 18+00E	1	14	4	35	<.1	21	6	175	2.11	<2	<5	<2	<2	38	<.2	<2	<2	50	.44	.043	9	33	.38	113	.14	4	1.13	.03	.06	1	1
B93 L2S 19+00E	1	12	4	34	.1	27	7	164	2.47	<2	<5	<2	2	33	<.2	<2	<2	58	.35	.071	9	38	.38	129	.14	4	1.40	.03	.05	1	2
B93 L2S 20+00E	1	9	3	59	.2	26	7	146	2.37	<2	<5	<2	7	26	.2	2	<2	51	.33	.105	8	37	.32	110	.12	3	1.44	.02	.08	1	1
B93 L4S BL 0+00	<1	20	4	34	<.1	24	8	213	2.64	<2	<5	<2	2	39	<.2	<2	2	67	.44	.059	9	41	.43	124	.16	3	1.27	.03	.08	1	1
B93 L4S 1+00E	1	19	4	33	.1	25	8	250	2.62	<2	<5	<2	2	39	<.2	2	3	66	.44	.062	9	44	.49	108	.17	3	1.20	.03	.12	1	1
B93 L4S 2+00E	<1	36	7	105	.2	44	22	412	4.18	<2	<5	<2	2	33	.3	<2	<2	92	.54	.073	5	88	1.50	89	.23	4	2.55	.02	.12	<1	1
B93 L4S 3+00E	1	15	4	30	.1	17	8	272	2.18	<2	<5	<2	2	40	.2	<2	<2	58	.44	.019	10	36	.40	91	.16	3	1.06	.04	.07	1	2
B93 L4S 4+00E	<1	13	4	27	<.1	15	5	240	1.54	<2	<5	<2	<2	37	<.2	<2	<2	37	.42	.032	8	29	.38	92	.14	3	1.14	.03	.06	<1	11
B93 L4S 5+00E	<1	287	2	58	1.0	96	16	407	5.32	<2	10	<2	5	79	.4	<2	<2	79	1.14	.064	38	102	.94	318	.18	2	7.00	.04	.27	<1	3
B93 L4S 6+00E	1	18	4	52	.1	24	8	211	2.92	<2	<5	<2	2	24	.2	<2	<2	58	.38	.209	8	45	.39	110	.13	3	1.91	.02	.07	<1	1
B93 L4S 7+00E	1	16	4	52	.1	24	8	192	2.93	3	<5	<2	<2	23	.3	<2	2	59	.38	.212	7	45	.38	111	.13	5	1.94	.03	.07	1	2
B93 L4S 8+00E	1	12	3	31	.1	15	5	156	2.05	<2	<5	<2	2	32	<.2	<2	2	50	.38	.053	7	30	.27	91	.14	3	1.01	.03	.07	<1	1
B93 L4S 9+00E	1	15	6	40	.1	17	10	319	2.10	<2	<5	<2	<2	37	<.2	<2	<2	50	.40	.037	9	32	.39	101	.15	4	1.33	.04	.08	1	1
B93 L4S 10+00E	1	19	4	25	.1	17	6	247	2.26	<2	<5	<2	2	45	<.2	<2	2	56	.52	.031	10	35	.41	87	.13	3	1.08	.05	.10	<1	3
B93 L4S 11+00E	1	28	4	30	<.1	19	8	361	2.47	<2	<5	<2	3	53	<.2	<2	<2	60	.57	.029	11	40	.52	110	.17	3	1.24	.05	.12	<1	3
B93 L4S 12+00E	1	27	5	39	.3	25	12	504	3.25	<2	<5	<2	4	59	<.2	<2	<2	70	.74	.029	11	47	.69	155	.19	5	1.96	.05	.17	<1	2
RE B93 L4S 12+00E	1	28	5	40	.2	26	12	515	3.34	2	<5	<2	3	61	.2	<2	<2	72	.76	.030	12	47	.71	160	.20	5	2.00	.06	.16	1	1
B93 L4S 13+00E	<1	11	3	26	<.1	15	5	213	1.62	<2	<5	<2	<2	41	<.2	<2	<2	40	.49	.047	10	31	.38	96	.15	3	1.05	.04	.06	<1	3
B93 L4S 14+00E	<1	11	4	30	<.1	14	4	186	1.51	<2	<5	<2	2	40	<.2	<2	<2	35	.49	.044	10	29	.38	88	.16	2	1.05	.04	.08	1	2
B93 L4S 15+00E	1	9	4	27	.1	13	5	201	1.69	<2	<5	<2	6	40	<.2	<2	<2	44	.46	.018	8	30	.37	73	.17	2	.88	.04	.07	<1	1
B93 L4S 16+00E	<1	10	5	29	.1	14	4	193	1.61	<2	<5	<2	2	45	<.2	<2	<2	38	.52	.029	8	29	.41	88	.16	5	1.05	.04	.07	1	2
B93 L4S 17+00E	<1	14	4	27	<.1	14	4	185	1.86	<2	<5	<2	2	48	<.2	<2	<2	46	.58	.053	11	33	.45	94	.17	3	1.12	.04	.09	1	2
B93 L4S 18+00E	<1	10	4	25	<.1	14	4	156	1.43	<2	<5	<2	2	37	<.2	<2	<2	34	.46	.039	8	26	.34	82	.15	3	1.02	.03	.06	<1	1
B93 L4S 19+00E	<1	14	5	36	.1	19	7	246	2.37	<2	<5	<2	2	38	<.2	<2	<2	60	.40	.045	9	32	.40	107	.14	3	1.27	.03	.05	1	1
B93 L4S 20+00E	1	14	4	27	.1	22	6	157	2.12	2	<5	<2	2	35	<.2	<2	<2	54	.39	.057	9	36	.36	115	.14	2	1.15	.03	.05	1	1
STANDARD C/AU-S	19	64	38	130	7.1	71	31	1020	3.96	40	19	7	37	52	18.6	18	20	56	.52	.087	38	59	.92	183	.09	34	1.88	.08	.16	12	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
B93-AS-01	<1	43	5	54	.1	21	7	336	2.07	2	<5	<2	2	47	<.2	<2	4	53	.79	.058	7	40	.48	63	.10	5	1.03	.03	.07	<1	13
B93-AS-02	<1	51	6	50	.1	34	14	1930	4.33	7	<5	<2	2	66	<.2	<2	<2	96	1.12	.064	10	58	.85	154	.14	7	1.76	.05	.12	<1	2
B93-AS-03	<1	16	4	37	<.1	19	8	311	2.58	<2	<5	<2	3	59	<.2	<2	<2	67	.65	.071	10	41	.46	75	.14	5	.91	.06	.08	1	<1
B93-AS-04	<1	16	5	34	.1	18	7	318	2.23	<2	<5	<2	3	58	<.2	2	<2	54	.66	.074	11	38	.44	75	.11	5	.85	.06	.08	1	1
B93-AS-05	<1	17	5	35	<.1	19	7	351	2.29	<2	<5	<2	3	59	<.2	<2	<2	54	.66	.075	11	37	.46	78	.11	6	.88	.06	.08	<1	2
B93-AS-06	<1	16	5	33	<.1	21	8	310	3.10	<2	<5	<2	3	51	<.2	<2	4	84	.62	.075	10	51	.44	65	.12	5	.78	.05	.08	<1	25
B93-AS-07	<1	27	6	46	.1	25	10	486	2.66	2	<5	<2	3	66	<.2	<2	2	57	.73	.075	13	43	.60	114	.12	5	1.17	.06	.13	<1	4
B93-AS-08	<1	18	6	36	.1	22	8	360	2.49	2	<5	<2	3	59	<.2	<2	3	60	.66	.077	11	40	.49	80	.11	7	.88	.06	.09	1	2
B93-AS-09	<1	16	6	33	<.1	20	7	320	2.51	<2	<5	<2	3	55	<.2	<2	<2	63	.63	.076	11	39	.46	70	.11	6	.80	.05	.08	<1	1
B93-AS-10	<1	29	7	50	<.1	27	11	584	3.16	2	<5	<2	3	73	<.2	<2	2	72	.82	.082	15	52	.64	117	.13	8	1.23	.07	.14	1	2
B93-AS-11	<1	23	6	44	<.1	23	9	466	2.70	<2	<5	<2	3	73	<.2	<2	<2	62	.81	.085	13	44	.56	101	.12	8	1.10	.07	.10	1	4
B93-AS-12	<1	18	5	36	.1	17	7	333	2.42	2	<5	<2	3	75	<.2	<2	<2	60	.78	.091	13	38	.43	88	.10	4	.91	.07	.07	1	3
B93-AS-13	<1	18	5	40	<.1	19	7	344	2.81	<2	<5	<2	3	79	<.2	<2	<2	73	.86	.099	14	47	.45	94	.11	4	.94	.08	.08	1	1
B93-AS-14	<1	24	6	62	.1	20	7	304	2.06	<2	<5	<2	2	85	<.2	<2	<2	46	.99	.070	9	38	.49	90	.10	10	.91	.05	.09	<1	1
B93-RS-01	<1	56	8	72	.1	49	17	721	4.23	<2	<5	<2	4	176	.3	<2	<2	83	1.60	.073	16	64	1.18	208	.16	8	1.96	.07	.27	<1	3
B93-RS-01A	<1	51	7	66	<.1	46	18	834	4.16	2	<5	<2	3	152	.2	<2	<2	87	1.40	.083	16	61	1.13	204	.17	9	1.85	.11	.24	<1	2
B93-RS-02	<1	69	10	90	.2	57	20	688	4.73	2	<5	<2	6	153	.2	<2	<2	89	1.42	.069	20	73	1.48	228	.20	8	2.48	.08	.34	<1	4
RE B93-RS-03	<1	41	8	59	.1	36	15	529	3.27	<2	<5	<2	3	174	.2	<2	<2	58	1.61	.070	14	51	1.01	173	.14	7	1.66	.07	.22	<1	2
B93-RS-03	<1	41	7	60	.1	36	15	532	3.24	<2	<5	<2	3	178	.3	<2	<2	57	1.65	.068	14	51	1.01	176	.14	7	1.67	.07	.22	<1	1
B93-RS-04	<1	58	10	67	.1	45	15	590	3.59	3	<5	<2	3	242	.2	<2	3	62	2.12	.082	16	56	1.26	203	.15	12	1.95	.08	.25	<1	3
B93-RS-05	<1	56	8	65	.2	45	18	702	4.03	3	<5	<2	4	181	.3	<2	<2	78	1.52	.072	16	63	1.16	205	.16	9	2.00	.07	.26	<1	2
B93-RS-06	1	40	7	64	<.1	56	26	2512	4.41	5	<5	<2	3	204	.2	<2	<2	105	1.76	.127	20	66	1.25	401	.18	6	1.62	.16	.16	<1	1
B93-RS-07	<1	41	8	69	.1	45	20	950	4.15	6	<5	<2	4	200	<.2	<2	<2	96	1.48	.111	19	61	1.18	264	.17	8	1.75	.12	.20	<1	1
B93-RS-08	<1	20	6	53	.1	23	11	490	2.91	<2	<5	<2	3	221	<.2	<2	<2	59	1.43	.134	17	47	.93	230	.12	7	1.46	.11	.14	<1	1
B93-AFS-01	<1	15	5	38	<.1	19	7	526	2.34	2	<5	<2	2	68	<.2	<2	<2	51	.73	.066	9	38	.45	100	.10	6	.80	.05	.08	1	<1
B93-AMS-02	<1	28	6	47	<.1	25	11	654	2.76	12	<5	<2	2	87	<.2	<2	3	67	1.21	.109	12	42	.62	109	.13	6	1.16	.08	.10	<1	3
B93-DB-51	<1	39	6	57	.2	46	17	831	3.62	6	<5	<2	4	166	.2	3	2	87	1.45	.125	20	63	.85	194	.15	9	1.34	.15	.11	2	1
B93-DB-52	<1	36	4	58	<.1	43	19	906	3.88	4	<5	<2	5	187	<.2	2	<2	95	1.12	.148	25	59	.72	221	.18	7	1.50	.18	.12	<1	1
B93-DB-53	<1	39	6	60	<.1	50	20	928	4.22	6	8	<2	15	186	<.2	<2	<2	105	1.21	.151	25	68	.88	205	.19	5	1.57	.17	.12	<1	1
B93-DB-54	<1	38	6	64	<.1	46	20	997	4.07	6	<5	<2	6	198	<.2	<2	3	103	1.22	.163	27	60	.76	216	.21	8	1.55	.18	.11	<1	2
B93-DB-55	<1	41	5	60	.1	45	18	892	4.12	4	<5	<2	5	194	<.2	<2	<2	106	1.24	.161	27	60	.81	201	.21	5	1.56	.18	.10	<1	1
B93-DB-56	<1	42	5	59	.1	47	19	951	3.99	5	<5	<2	6	176	<.2	<2	<2	101	1.22	.160	27	57	.83	186	.21	5	1.49	.18	.09	<1	1
B93-DB-57	<1	42	4	62	.2	50	19	860	3.84	6	11	<2	6	170	<.2	<2	<2	95	1.11	.145	25	62	.70	199	.19	5	1.56	.15	.09	<1	1
STANDARD C/AU-S	20	62	38	136	7.3	76	32	1116	3.96	42	25	7	40	51	18.7	18	22	61	.51	.083	40	59	.93	186	.09	35	1.88	.08	.16	11	53

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

GEOCHEMICAL ICP ANALYSIS

Standard Metals Exploration File # 93-1205R

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm
93-DORA9-DB2	7.1	.8	.2	<.1	<.1	<.1
93-DB-TT-6	8.5	.1	.1	.1	<.1	.3
B-93-DB-4	19.4	.9	.2	<.1	<.1	<.1
B93 L0S 19+00E	1.9	.2	.1	<.1	<.1	<.1
B93 L2S 17+00E	2.2	.2	.2	<.1	<.1	.1
B93 L4S 5+00E	4.0	.2	.6	<.1	<.1	<.1
B93-AS-06	2.5	.1	.2	<.1	<.1	<.1
RE B-93-DB-4	20.0	.9	.2	<.1	<.1	.2
STANDARD C	42.0	18.7	21.0	.2	.6	.1

.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.
ANALYSIS BY HYDRIDE ICP. GE - PARTIAL LEACHED.
- SAMPLE TYPE: PULP Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 6 1993 **DATE REPORT MAILED:** July 9/93. **SIGNED BY**.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ICP ANALYSIS

Standard Metals Exploration File # 93-1148R

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm
A93 L0 8+00N	4.4	.3	.5	<.1	.1	<.1
A93 L2W 11+00S	9.6	.5	1.4	<.1	.2	<.1
A93 L6W 3+00S	1.2	.2	.3	<.1	<.1	<.1
A93 L6E 3+00S	1.0	.1	.1	<.1	<.1	<.1
AA93 L12N TP1 2+00W 25cm	2.8	.1	.1	<.1	<.1	<.1
AA93 L12N TP1 2+00W 50cm	2.1	.1	.1	<.1	<.1	<.1
AA93 L12N TP1 2+00W 60cm	2.6	.1	.1	<.1	<.1	<.1
AA93 L12N TP1 2+00W 90cm	8.2	.1	.1	<.1	<.1	<.1
RE A93 L2W 11+00S	9.9	.3	1.3	<.1	.2	<.1
STANDARD C	42.0	18.7	21.0	.2	.6	.1

.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.
ANALYSIS BY HYDRIDE ICP. GE - PARTIAL LEACHED.
- SAMPLE TYPE: SOIL PULP Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 6 1993 **DATE REPORT MAILED:** July 9/93 **SIGNED BY**........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ECO-TECH LABORATORIES LTD.
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TORONTO, ONTARIO
M5C 2B8

ATTENTION: NORM CALDER/HENDRICH THALENHORST

AUGUST 25, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

36 SILT SAMPLES RECEIVED AUGUST 11, 1993
PROJECT #: 1802-4
SHIPMENT #: 03

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
1	- 93 - STR 0 10	<5	<.2	1.56	10	6	195	<5	.95	<1	20	52	22	3.73	.09	<10	.55	2228	<1	.02	32	1270	6	<5	<20	82	.09	<10	85	<10	10
2	- 93 - STR 0 11	<5	<.2	1.37	15	4	140	5	.88	<1	18	59	18	4.45	.06	<10	.52	1265	<1	.02	30	1140	8	<5	<20	79	.09	10	132	<10	9
3	- 93 - STR 0 12	<5	<.2	1.58	5	4	145	<5	.93	<1	19	57	19	3.90	.07	<10	.58	1345	<1	.02	31	1170	6	<5	<20	87	.10	10	98	<10	10
4	- 93 - STR 0 13	<5	<.2	1.91	20	4	205	<5	1.12	<1	23	58	26	4.16	.09	<10	.68	1917	<1	.03	39	1310	6	<5	<20	115	.10	<10	85	<10	12
5	- 93 - STR 0 14	5	<.2	1.53	5	4	145	<5	.91	<1	17	49	20	3.12	.07	<10	.55	1378	<1	.02	30	1120	6	<5	<20	86	.09	<10	69	<10	10
6	- 93 - STR 0 15	<5	<.2	1.67	5	4	150	<5	.93	<1	19	52	22	3.40	.08	<10	.60	1263	<1	.03	32	1250	6	<5	<20	90	.10	<10	73	<10	11
7	- 93 - STR 0 16	<5	<.2	2.23	10	4	175	<5	1.00	<1	24	64	36	4.30	.10	<10	.78	1221	<1	.03	43	1190	8	<5	<20	101	.12	<10	88	<10	13
8	- 93 - STR 0 17	<5	<.2	1.60	5	4	115	<5	.86	<1	17	60	23	3.80	.08	<10	.57	730	<1	.02	29	1190	6	<5	<20	75	.10	<10	100	<10	11
9	- 93 - SLR 0 18	<5	<.2	.93	5	4	60	<5	.67	<1	11	37	11	2.71	.06	<10	.52	361	<1	.02	20	650	2	<5	<20	43	.09	<10	80	<10	7
10	- 93 - SLR 0 19	<5	<.2	.68	5	4	45	5	.60	<1	11	33	6	3.57	.03	<10	.53	260	<1	.02	21	830	2	<5	<20	41	.10	<10	103	<10	7
11	- ST - 93 T 60	<5	<.2	1.22	5	4	70	<5	.59	<1	10	20	49	2.84	.04	<10	.35	1036	<1	.01	12	680	6	<5	<20	47	.08	<10	76	<10	6
12	- ST - 93 T 61	<5	<.2	.82	5	4	60	<5	.46	<1	10	21	22	2.38	.04	<10	.37	698	<1	.01	10	590	4	<5	<20	42	.07	<10	68	<10	5
13	- ST - 93 T 62	5	<.2	1.05	5	4	115	<5	.50	<1	12	18	30	2.32	.05	<10	.38	1499	<1	.01	11	650	4	<5	<20	56	.07	<10	61	<10	6
14	- ST - 93 T 63	<5	<.2	.83	15	4	80	<5	.49	<1	11	28	23	4.31	.04	<10	.37	975	<1	.01	13	630	4	<5	<20	46	.07	<10	126	<10	4
15	- ST - 93 T 64	<5	<.2	.71	5	4	55	<5	.47	<1	8	16	22	2.55	.03	<10	.39	712	<1	.01	14	560	2	<5	<20	39	.06	<10	70	<10	5
16	- ST - 93 T 65	<5	<.2	.75	5	4	75	5	.50	<1	14	42	22	8.26	.03	<10	.35	830	<1	.01	14	660	<2	<5	<20	45	.07	10	252	<10	3
17	- ST - 93 T 66	<5	<.2	1.15	5	4	60	<5	.60	<1	8	20	57	2.73	.05	<10	.35	353	<1	.01	13	540	4	<5	<20	37	.05	<10	73	<10	6
18	- ST - 93 T 67	<5	<.2	.69	5	4	55	<5	.45	<1	10	23	18	4.28	.03	<10	.36	531	<1	.01	14	540	2	<5	<20	39	.06	<10	127	<10	4
19	- ST - 93 T 68	<5	<.2	.77	5	4	60	<5	.47	<1	8	14	22	2.30	.04	<10	.36	644	<1	.01	11	540	2	<5	<20	42	.06	<10	65	<10	5
20	- ST - 93 T 69	<5	<.2	.69	5	4	55	5	.45	<1	11	27	20	5.13	.03	<10	.38	547	<1	.01	14	530	2	<5	<20	40	.06	10	159	<10	3

# 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 - ST - 93 T	70	<5	<.2	.97	5	4	80	5	.57	<1	9	19	35	2.75	.05	<10	.38	762	<1	.01	12	670	4	<5	<20	53	.07	<10	77	<10	6	28
2 - ST - 93 T	71	<5	<.2	.88	10	4	70	<5	.57	<1	11	27	31	4.22	.05	<10	.45	598	<1	.01	16	690	2	<5	<20	50	.07	<10	123	<10	5	28
3 - ST - 93 T	72	15	<.2	.75	<5	4	55	<5	.52	<1	8	16	26	2.02	.04	<10	.37	506	<1	.01	11	540	2	<5	<20	46	.06	<10	56	<10	5	22
4 - ST - 93 T	73	<5	<.2	.63	5	4	35	<5	.43	<1	6	11	18	1.73	.04	<10	.33	336	<1	.01	8	500	2	<5	<20	33	.06	<10	48	<10	4	19
5 - ST - 93 T	74	<5	<.2	.80	5	4	55	<5	.56	<1	9	17	29	2.46	.04	<10	.39	539	<1	.01	11	590	2	<5	<20	49	.07	<10	70	<10	5	24
- 93 - ST D	21	<5	<.2	.75	5	4	70	5	.60	<1	10	28	10	2.23	.04	<10	.44	764	<1	.01	18	730	2	<5	<20	43	.07	<10	64	<10	6	22
- 93 - ST D	22	<5	<.2	.90	<5	4	75	5	.65	<1	12	35	15	3.06	.06	<10	.49	681	<1	.01	21	740	4	<5	<20	47	.08	<10	97	<10	6	26
- 93 - ST D	23	<5	<.2	.89	10	4	65	<5	.63	<1	13	39	22	3.24	.06	<10	.57	511	<1	.01	25	660	4	5	<20	43	.09	<10	110	<10	7	26
- 93 - ST D	24	<5	<.2	.66	5	4	20	5	.58	<1	8	25	8	2.10	.03	<10	.46	196	<1	.01	16	410	2	<5	<20	33	.07	<10	70	<10	5	15
- 93 - ST D	25	<5	<.2	.91	5	4	65	5	.66	<1	12	39	15	2.77	.07	<10	.55	460	<1	.02	23	830	4	<5	<20	46	.09	<10	84	<10	7	27
- ST - 93 R	1	<5	<.2	.81	10	4	95	<5	.87	<1	12	23	14	3.13	.04	<10	.59	679	<1	.02	24	1070	4	5	<20	85	.12	<10	75	<10	8	33
- ST - 93 R	2	<5	<.2	.88	10	4	65	5	.74	<1	16	44	14	4.06	.05	<10	.89	482	<1	.02	52	1120	6	<5	<20	59	.16	<10	120	<10	11	39
- ST - 93 A	23	<5	<.2	1.17	15	4	215	<5	.78	<1	14	16	24	3.04	.04	<10	.34	3637	1	.02	11	890	6	<5	<20	138	.06	10	71	<10	7	45
- ST - 93 A	24	<5	.6	1.33	15	4	395	5	1.14	<1	20	15	29	4.16	.05	<10	.34	7877	2	.02	10	1180	4	<5	<20	217	.06	20	78	<10	8	60
- ST - 93 A	25	10	<.2	.99	15	4	155	<5	1.08	<1	10	11	21	2.61	.04	<10	.29	2246	1	.03	5	1080	4	<5	<20	177	.06	<10	59	<10	8	37
- ST - 93 A	26	<5	<.2	.85	25	4	[illegible]	<5	.65	<1	10	35	14	2.32	.05	<10	.44	400	<1	.01	18	670	4	<5	<20	50	.08	<10	82	<10	7	22

: < = LESS THAN
> = GREATER THAN

David Blann
Lac La Hache, B.C.

/Strathcona

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STRATHCONA MINERAL SERVICES LTD. ETK 93-269
12th FLOOR, 20 TORONTO STREET
TORONTO, ONTARIO
M5C 2B8

ATTENTION: NORM CALDER/HENDRICH THALENHORST

AUGUST 25, 1993

30 ROCK SAMPLES RECEIVED AUGUST 11, 1993
PROJECT #: 1802-4
SHIPMENT #: 03

VALUES IN PPM UNLESS OTHERWISE REPORTED

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	- BBERRY 01	70	5.6	.36	125	4	20	<5	.37	<1	15	173	20	4.95	.14	<10	.06	51	87	.02	38	90	34	20	<20	22	.15	<10	33	<10	12	55
2	- BBERRY 02	25	.4	.28	10	2	50	<5	.34	<1	14	64	15	1.05	.14	<10	.18	80	2	.01	36	110	2	<5	<20	10	.16	<10	10	<10	7	5
3	- 93 - RG - S 01	20	<.2	.62	5	4	40	<5	.60	<1	6	138	1189	2.80	.07	<10	.15	115	13	.06	3	1070	<2	<5	<20	61	.06	<10	86	<10	6	13
4	- 93 - GR - S 02	45	.8	.46	5	4	130	<5	.33	<1	7	78	2439	2.22	.12	<10	.10	101	7	.04	3	520	<2	<5	<20	46	.04	<10	57	<10	3	12
5	- 93 - GB - S 03	20	<.2	.24	5	10	50	<5	.19	<1	4	138	511	1.40	.14	<10	.06	129	193	.03	2	400	2	<5	<20	30	.04	<10	36	<10	5	17
6	- 93 - RG - S 04	445	5.8	.79	15	4	30	<5	2.77	<1	8	71	>10000	2.86	.06	<10	.27	570	10	.02	3	1100	<2	<5	<20	195	.08	<10	34	<10	6	26
7	- 93 - RG - S 05	>1000	1.0	1.65	40	8	50	<5	.67	<1	26	82	6451	8.23	.44	<10	1.25	618	17	.01	4	1580	2	5	<20	49	.06	10	146	<10	5	37
8	- PDH 90 - 01	250	3.4	.96	15	6	15	<5	1.09	<1	8	47	5374	2.96	.10	<10	.41	507	2	.05	2	960	12	5	<20	30	.08	<10	43	<10	7	75
9	- 93 - RCD - 10	35	<.2	2.23	20	14	40	<5	2.86	<1	33	41	148	4.99	.04	<10	2.29	1433	1	.02	6	1670	<2	10	<20	145	.20	<10	158	<10	11	122
10	- 93 - RCD - 12	35	<.2	1.94	20	8	50	<5	1.47	<1	24	30	266	4.01	.64	<10	1.32	1020	2	.04	3	2140	4	5	<20	160	.14	<10	110	<10	9	99
11	- 93 - RCD - 13	20	2.0	1.20	15	4	50	<5	3.25	<1	17	78	1760	4.19	.51	<10	.66	1745	4	.02	5	1710	2	5	<20	52	.07	<10	98	<10	7	84
12	- 93 - RCD - 15	25	<.2	1.42	10	8	75	<5	1.51	<1	19	40	192	4.90	.31	<10	.81	544	2	.10	5	2080	6	<5	<20	131	.13	<10	218	<10	11	75
13	- 93 - RCD - 16	20	<.2	1.62	25	6	80	<5	1.23	<1	17	14	224	3.84	1.07	<10	.71	1845	1	.02	3	2230	6	5	<20	38	.08	<10	55	<10	10	162
14	- 93 - RCD - 17	155	9.8	1.01	15	6	35	<5	.83	<1	7	45	8196	2.74	.14	<10	.36	445	3	.05	1	1120	16	5	<20	24	.09	<10	44	<10	7	57
15	- 93 - RCD - 18	70	.2	1.65	25	6	50	<5	1.34	<1	24	38	582	4.65	.63	<10	1.20	715	3	.05	3	1970	4	5	<20	101	.17	<10	122	<10	9	63
16	- 93 - RCD - 19	55	<.2	2.15	25	6	30	<5	1.95	<1	28	8	1124	5.43	.40	<10	1.77	1054	1	.03	2	2250	<2	10	<20	83	.11	<10	165	<10	11	89
17	- 93 - RCD - 20	10	1.8	1.10	15	6	35	<5	.79	<1	9	60	1199	2.92	.20	<10	.65	803	3	.05	2	1070	8	5	<20	52	.09	<10	54	<10	8	141
18	- 93 - RCR - 025	20	<.2	1.72	25	6	145	<5	1.35	1	25	19	244	4.25	.65	<10	1.18	661	5	.05	2	2050	84	5	<20	121	.17	<10	126	<10	11	279
19	- 93 - RCR - 027	30	<.2	.63	5	4	60	<5	.74	<1	7	58	53	2.52	.06	<10	.27	373	2	.03	3	1060	18	<5	<20	36	.06	<10	83	<10	6	71
20	- 93 - RCR - 028	10	<.2	.56	10	6	65	<5	.52	<1	6	71	20	2.31	.07	<10	.08	336	4	.06	2	760	18	<5	<20	60	.08	<10	69	<10	7	64

MINERAL SERVICES LTD. ETK 93-269 ECO-TECH LABORATORIES LTD. AUGUST 25, 1993

RIPTION	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
RCR - 029	25	<.2	.42	40	6	60	<5	.35	<1	4	102	18	1.74	.06	<10	.06	272	6	.05	2	450	18	<5	<20	44	.06	<10	45	<10	7	55
RCR - 033	20	<.2	1.53	60	10	70	<5	1.54	<1	17	30	254	3.73	.36	<10	1.14	537	1	.06	3	2080	24	5	<20	106	.14	<10	135	<10	9	92
RCR - 034	15	<.2	1.13	15	6	55	<5	1.80	<1	5	44	58	2.43	.13	<10	.10	353	3	.01	1	960	10	<5	<20	45	.01	<10	89	<10	7	46
RFD - 14	100	<.2	.61	20	6	75	<5	.86	<1	13	31	572	5.17	.10	<10	.20	428	3	.04	2	1180	26	<5	<20	84	.09	<10	88	<10	8	165
RFD - 27	25	.4	1.92	5	6	215	<5	1.24	<1	23	38	187	4.64	.79	<10	1.09	1974	1	.05	<1	570	40	5	<20	48	.19	<10	91	<10	8	222
RFR - 030	260	14.6	.72	35	4	70	<5	.80	<1	16	38	>10000	5.67	.07	<10	.23	207	1	.04	6	1300	26	<5	<20	48	.10	<10	114	10	7	81
RFR - 031	55	<.2	1.69	40	6	25	<5	7.80	<1	41	74	1089	2.60	.03	<10	1.21	845	<1	<.01	36	550	4	5	<20	393	.03	<10	50	<10	2	44
RGD - 11	15	.2	2.72	30	32	80	<5	2.80	<1	7	74	>10000	2.38	.03	<10	.46	686	11	.02	3	1610	12	<5	<20	175	.12	<10	81	20	9	69
RGR - 026	690	16.8	.96	30	54	50	<5	1.28	1	50	30	>10000	7.79	.24	<10	.36	357	2778	.05	2	2090	<2	10	<20	55	.15	<10	134	6640	8	189
RGR - 032	80	.6	1.96	25	6	60	<5	3.79	<1	47	263	1265	4.20	.18	<10	2.11	753	17	.03	83	1130	<2	<5	<20	103	.10	<10	104	80	6	62
RCD - 10		<.2	2.21	25	14	45	<5	2.81	<1	32	40	147	5.01	.03	<10	2.24	1415	3	.02	7	1660	<2	10	<20	146	.20	<10	158	80	11	120
1991:		1.2	1.84	80	4	110	<5	1.63	<1	18	61	82	3.68	.36	<10	.91	659	3	.02	21	580	10	5	<20	69	.12	<10	77	80	9	71

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STRATHCONA MINERAL SERVICES LTD. ETK 93-270
12th FLOOR, 20 TORONTO STREET
TORONTO, ONTARIO
M5C 2B8

ATTENTION: NORM CALDER/HENDRICH THALENHORST

AUGUST 24, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

150 SOIL SAMPLES RECEIVED AUGUST 11, 1993
PROJECT #: 1802-4
SHIPMENT #: 3

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 -	223 557	5	<.2	1.06	10	4	60	<5	.47	<1	11	32	26	3.23	.11	<10	.38	212	<1	.01	14	720	2	<5	<20	35	.13	<10	95	<10	8	28
2 -	223 558	5	<.2	1.32	5	4	75	<5	.42	<1	10	26	44	3.24	.08	<10	.32	215	<1	.01	16	1050	4	<5	<20	33	.11	<10	95	<10	7	40
3 -	223 559	<5	<.2	1.66	10	4	100	<5	.40	<1	20	19	162	5.61	.14	<10	.65	329	<1	<.01	13	860	6	5	<20	30	.20	<10	173	<10	11	73
4 -	223 560	<5	<.2	1.74	5	4	100	<5	.44	<1	14	23	61	4.20	.05	<10	.44	387	<1	.01	12	770	6	<5	<20	36	.15	<10	128	<10	9	54
5 -	223 561	<5	<.2	1.66	10	4	90	<5	.51	<1	11	17	75	3.86	.05	<10	.33	239	<1	.02	11	210	4	<5	<20	55	.11	<10	122	<10	8	41
6 -	223 562	<5	<.2	1.37	10	4	70	<5	.39	<1	9	22	19	2.78	.07	<10	.28	226	<1	.01	12	830	4	<5	<20	37	.11	<10	77	<10	6	48
7 -	223 563	<5	<.2	1.22	5	4	75	<5	.43	<1	10	32	24	3.13	.06	<10	.32	218	<1	.01	16	520	8	<5	<20	37	.12	<10	94	<10	8	34
8 -	223 564	<5	<.2	1.25	10	2	75	<5	.40	<1	9	29	21	2.11	.03	<10	.34	186	<1	.01	15	360	2	<5	<20	37	.12	<10	61	<10	8	33
9 -	223 565	<5	<.2	1.54	10	2	75	<5	.49	<1	10	34	42	2.37	.05	<10	.41	328	<1	.01	17	560	4	<5	<20	43	.13	<10	61	<10	10	31
10 -	223 566	5	<.2	1.08	5	2	65	<5	.42	<1	9	31	17	2.48	.04	<10	.33	190	<1	.01	15	640	4	<5	<20	34	.12	<10	73	<10	9	27
11 -	223 691	<5	<.2	1.26	10	4	75	<5	.46	<1	11	43	13	2.47	.05	10	.48	246	<1	.01	20	570	2	<5	<20	36	.15	<10	69	<10	11	33
12 -	223 692	<5	<.2	1.38	10	4	70	<5	.49	<1	9	35	11	1.95	.06	10	.48	207	<1	.01	19	530	2	<5	<20	37	.17	<10	50	<10	12	39
13 -	223 693	<5	<.2	1.45	15	4	90	<5	.51	<1	13	48	13	2.84	.07	10	.49	277	<1	.01	22	780	4	<5	<20	39	.17	<10	79	<10	11	41
14 -	223 694	<5	<.2	1.97	5	4	120	<5	.65	<1	11	49	23	2.88	.11	10	.57	287	<1	.02	21	900	2	<5	<20	55	.15	<10	63	<10	12	43
15 -	223 695	<5	<.2	1.29	10	4	75	<5	.55	<1	10	38	10	2.20	.06	10	.49	248	<1	.02	17	660	2	<5	<20	43	.16	<10	61	<10	12	32
16 -	223 696	<5	<.2	1.34	5	4	80	<5	.58	<1	10	39	11	2.16	.07	10	.48	257	<1	.02	16	600	2	<5	<20	48	.16	<10	59	<10	12	33
17 -	223 697	5	<.2	1.67	10	4	125	<5	.70	<1	14	49	17	2.96	.08	10	.60	337	<1	.02	26	890	4	<5	<20	60	.16	<10	78	<10	13	54
18 -	223 698	<5	<.2	3.04	10	6	185	<5	.89	<1	18	69	49	4.17	.20	20	.81	596	<1	.02	40	980	4	5	<20	85	.18	<10	86	<10	22	62
19 -	223 699	<5	<.2	1.74	10	4	95	<5	.63	<1	11	46	15	2.72	.07	10	.57	289	<1	.02	19	350	2	<5	<20	57	.16	<10	67	<10	13	39
20 -	223 700	<5	<.2	1.78	5	4	110	<5	.62	<1	12	48	13	2.82	.10	10	.61	310	<1	.02	19	450	4	<5	<20	53	.16	<10	68	<10	12	44

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	Z
21 -	223	701	<5	<.2	1.44	10	4	85	<5	.52	<1	9	37	14	2.05	.05	10	.49	227	<1	.01	20	670	2	<5	<20	39	.15	<10	54	<10	12	3
22 -	223	702	<5	<.2	1.34	5	2	80	5	.53	<1	12	46	13	2.76	.07	10	.52	322	<1	.01	20	860	4	<5	<20	41	.15	<10	74	<10	11	4
23 -	223	703	<5	<.2	1.47	5	4	80	<5	.50	<1	13	47	13	2.92	.06	10	.51	258	<1	.01	24	850	<2	<5	<20	37	.15	<10	78	<10	11	4
24 -	223	704	5	<.2	1.30	10	4	70	<5	.48	<1	9	36	10	2.07	.05	10	.47	207	<1	.02	16	450	2	<5	<20	38	.15	<10	55	<10	11	2
25 -	223	705	<5	<.2	2.19	10	4	130	<5	.64	<1	14	56	28	3.45	.14	10	.73	362	<1	.02	30	460	2	5	<20	55	.16	<10	77	<10	14	4
26 -	223	706	<5	<.2	1.04	10	4	55	<5	.46	<1	9	31	9	1.89	.04	10	.44	189	<1	.01	17	480	2	<5	<20	34	.12	<10	49	<10	10	2
27 -	223	707	<5	<.2	1.11	10	4	65	<5	.48	<1	10	38	9	2.32	.05	10	.46	247	<1	.02	19	510	2	<5	<20	38	.14	<10	63	<10	11	3
28 -	223	708	<5	<.2	2.19	10	4	125	<5	.70	<1	15	61	24	3.64	.20	10	.82	388	<1	.03	27	650	4	<5	<20	56	.17	<10	80	<10	15	4
29 -	223	709	<5	<.2	1.86	15	4	100	<5	.64	<1	12	50	21	2.91	.12	10	.67	306	<1	.02	22	450	2	5	<20	51	.15	<10	66	<10	15	3
30 -	223	710	<5	<.2	1.03	10	4	50	<5	.47	<1	7	30	8	1.74	.03	10	.38	163	<1	.01	15	550	<2	<5	<20	34	.12	<10	48	<10	10	2
31 -	223	711	<5	<.2	1.12	10	4	60	<5	.47	<1	8	32	10	1.88	.05	<10	.41	209	<1	.01	15	550	2	<5	<20	37	.12	<10	50	<10	9	2
32 -	223	712	5	<.2	1.20	5	4	65	<5	.50	<1	9	36	12	2.05	.07	10	.45	220	<1	.01	18	700	<2	5	<20	36	.13	<10	54	<10	10	2
33 -	223	847	<5	<.2	1.61	55	4	70	<5	.39	<1	10	32	11	2.50	.05	<10	.26	191	<1	.01	18	1040	<2	<5	<20	35	.11	<10	67	<10	7	3
34 -	223	848	<5	<.2	1.94	75	4	110	<5	.75	<1	16	58	25	3.41	.12	10	.66	404	<1	.02	27	760	2	5	<20	59	.16	<10	78	<10	15	4
35 -	223	857	<5	<.2	2.22	75	4	95	<5	.72	<1	20	81	190	4.18	.11	<10	1.02	502	2	.02	37	430	2	<5	<20	50	.16	<10	99	<10	12	5
36 -	223	858	<5	<.2	1.34	70	4	75	<5	.67	<1	13	42	19	2.81	.10	10	.54	324	<1	.02	20	820	2	<5	<20	48	.13	<10	75	<10	11	3
37 -	223	859	<5	<.2	1.49	75	4	70	<5	.79	<1	12	39	31	2.52	.10	10	.61	329	<1	.02	16	1250	2	5	<20	46	.15	<10	76	<10	12	3
38 -	223	860	<5	<.2	1.71	75	4	95	<5	.46	<1	12	43	23	2.59	.07	<10	.42	254	<1	.01	21	610	2	<5	<20	34	.13	<10	72	<10	10	28
39 -	223	861	<5	<.2	1.29	45	2	75	<5	.52	<1	11	37	18	2.12	.07	<10	.48	262	<1	.02	18	750	2	<5	<20	30	.12	<10	65	<10	9	24
40 -	223	864	<5	<.2	2.24	55	4	140	<5	.90	<1	20	47	72	3.16	.09	10	.68	322	<1	.03	24	380	2	<5	<20	58	.16	<10	97	<10	18	3
41 -	223	865	<5	<.2	1.16	45	4	65	<5	.56	<1	13	44	33	2.46	.08	<10	.56	243	<1	.02	20	840	2	<5	<20	34	.13	<10	79	<10	9	27
42 -	223	867	<5	<.2	3.04	50	2	285	<5	.46	<1	20	74	49	3.73	.11	<10	.71	310	<1	.01	51	2310	2	<5	<20	62	.13	<10	83	<10	7	62
43 -	223	868	<5	<.2	2.04	45	4	195	<5	.51	<1	13	53	28	2.91	.08	<10	.48	180	<1	.02	34	1550	4	<5	<20	47	.12	<10	75	<10	8	55
44 -	223	869	5	<.2	3.05	70	4	210	<5	1.34	<1	27	72	96	6.68	.15	10	1.78	561	<1	.02	50	2580	2	5	<20	108	.20	<10	206	<10	22	65
45 -	223	870	<5	<.2	1.75	40	2	130	<5	.67	<1	12	51	30	2.84	.07	<10	.89	250	<1	.01	30	1220	6	<5	<20	54	.14	<10	90	<10	10	28
46 -	223	871	<5	<.2	1.73	45	2	145	<5	.71	<1	15	51	42	2.93	.10	<10	.94	377	<1	.02	42	1450	2	<5	<20	58	.13	<10	89	<10	11	33
47 -	223	872	<5	<.2	2.16	40	4	160	<5	.97	<1	17	46	63	3.54	.15	<10	.94	645	<1	.02	27	670	4	<5	<20	81	.14	<10	106	<10	12	41
48 -	223	873	<5	<.2	2.11	35	4	145	<5	1.01	<1	18	52	79	3.63	.14	<10	1.05	451	<1	.03	33	270	2	<5	<20	85	.14	<10	93	<10	11	36
49 -	223	874	5	<.2	2.11	45	4	120	<5	1.14	<1	25	58	69	4.72	.16	<10	1.47	757	<1	.03	39	910	2	<5	<20	75	.19	<10	158	<10	13	49
50 -	223	875	<5	<.2	1.82	35	4	145	<5	1.10	<1	18	55	66	3.23	.18	10	1.12	703	<1	.04	45	820	2	<5	<20	84	.12	<10	86	<10	14	37

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
51 -	223 876	5	<.2	1.83	45	4	120	<5	.77	<1	15	48	44	2.97	.12	<10	.76	621	<1	.03	34	290	2	<5	<20	79	.13	<10	81	<10	12
52 -	223 877	<5	<.2	1.99	50	4	105	<5	.62	<1	18	61	34	3.51	.12	<10	.83	464	<1	.03	31	440	4	<5	<20	68	.15	<10	93	<10	10
53 -	223 878	<5	<.2	1.52	35	8	105	<5	1.57	<1	14	49	78	3.08	.17	<10	1.47	385	<1	.05	32	1140	6	5	<20	182	.11	<10	76	<10	10
54 -	223 879	<5	<.2	1.68	55	4	80	<5	.62	<1	17	53	24	3.21	.14	<10	.77	467	<1	.03	23	350	2	5	<20	56	.14	<10	89	<10	8
55 -	223 880	<5	<.2	1.64	35	4	110	<5	.91	<1	14	49	41	3.09	.17	<10	.91	381	<1	.04	26	930	6	<5	<20	74	.12	<10	82	<10	11
56 -	223 881	<5	<.2	2.10	40	4	145	<5	.89	<1	15	56	49	3.29	.16	<10	.97	430	<1	.03	40	980	2	5	<20	92	.12	<10	84	<10	11
57 -	223 882	<5	<.2	1.18	20	4	105	<5	.75	<1	12	51	22	2.72	.08	<10	.64	436	<1	.03	32	780	4	<5	<20	62	.09	<10	78	<10	9
58 -	223 883	<5	<.2	2.08	40	2	120	<5	.46	<1	12	35	40	1.99	.08	<10	.51	248	<1	.01	34	620	6	<5	<20	30	.11	<10	60	<10	7
59 -	223 884	<5	<.2	3.95	45	4	150	<5	.49	<1	16	55	46	3.67	.11	<10	.68	326	<1	.01	43	900	6	<5	<20	42	.14	<10	98	<10	7
60 -	223 885	5	<.2	4.86	30	4	160	<5	.35	<1	20	53	56	4.60	.09	<10	.47	259	<1	.01	48	3490	4	<5	<20	32	.13	<10	107	<10	9
61 -	223 886	<5	<.2	2.57	30	2	115	<5	.36	<1	14	35	15	3.28	.06	<10	.36	396	<1	.01	19	2980	2	<5	<20	26	.10	<10	81	<10	5
62 -	223 887	<5	<.2	.97	30	4	45	<5	.37	<1	5	20	8	1.21	.03	<10	.29	144	<1	.01	10	550	2	<5	<20	21	.08	<10	37	<10	5
63 -	223 888	<5	<.2	2.56	40	2	130	<5	.59	<1	17	53	26	3.23	.12	<10	.79	468	<1	.02	33	520	4	<5	<20	43	.14	<10	87	<10	9
64 -	223 889	<5	<.2	1.12	50	2	45	<5	.39	<1	7	26	10	1.40	.05	<10	.38	165	<1	.01	12	360	4	<5	<20	25	.12	<10	41	<10	7
65 -	223 890	<5	<.2	1.00	50	2	45	<5	.40	<1	7	25	9	1.31	.05	<10	.35	154	<1	.01	10	330	2	<5	<20	26	.13	<10	40	<10	8
66 -	223 891	<5	<.2	1.04	50	2	50	<5	.36	<1	7	25	10	1.34	.04	<10	.31	170	<1	.01	10	260	2	<5	<20	24	.12	<10	42	<10	7
67 -	223 892	5	<.2	1.83	50	4	95	<5	.71	<1	17	55	20	3.87	.09	<10	.80	495	<1	.02	24	660	2	<5	<20	45	.15	<10	125	<10	9
68 -	223 893	<5	<.2	2.16	35	2	100	<5	.48	<1	13	43	24	2.91	.08	<10	.48	336	<1	.01	24	900	2	<5	<20	34	.11	<10	82	<10	8
69 -	223 894	<5	<.2	1.36	35	2	55	<5	.45	<1	8	31	18	1.73	.06	<10	.41	183	<1	.01	13	510	2	<5	<20	29	.12	<10	52	<10	8
70 -	223 895	<5	<.2	1.14	50	2	50	<5	.39	<1	8	25	15	1.35	.04	<10	.36	164	<1	.01	13	250	4	<5	<20	26	.12	<10	42	<10	7
71 -	223 896	<5	<.2	.94	40	2	45	<5	.42	<1	8	31	12	1.85	.04	<10	.36	177	<1	.01	12	500	2	<5	<20	26	.11	<10	59	<10	7
72 -	223 897	<5	<.2	1.02	40	2	55	<5	.43	<1	7	26	13	1.37	.05	<10	.35	189	<1	.01	12	360	2	<5	<20	29	.11	<10	44	<10	7
73 -	223 898	<5	<.2	1.04	45	2	55	<5	.46	<1	8	26	17	1.48	.04	<10	.40	209	<1	.01	14	480	4	<5	<20	29	.12	<10	48	<10	8
74 -	223 899	5	<.2	.91	40	2	45	<5	.36	<1	7	24	10	1.38	.04	<10	.28	171	<1	.01	9	280	4	<5	<20	25	.11	<10	45	<10	7
75 -	223 903	<5	<.2	1.44	40	2	90	<5	.41	<1	13	33	33	2.53	.07	<10	.42	289	<1	.01	14	450	4	<5	<20	32	.14	<10	84	<10	7
76 -	223 904	<5	<.2	1.13	50	2	55	<5	.64	<1	8	30	25	1.68	.07	<10	.45	260	<1	.02	9	950	2	<5	<20	39	.13	<10	56	<10	10
77 -	223 905	<5	<.2	1.14	45	2	55	<5	.50	<1	11	33	57	2.31	.07	<10	.43	276	<1	.01	14	660	4	<5	<20	30	.12	<10	76	<10	9
78 -	223 906	<5	<.2	1.09	40	4	60	<5	.65	<1	10	34	26	2.11	.06	<10	.45	290	<1	.02	13	750	2	<5	<20	39	.12	<10	73	<10	9
79 -	223 908	<5	<.2	1.68	45	4	105	<5	1.03	<1	15	39	63	3.06	.11	<10	.77	447	<1	.02	20	850	2	<5	<20	88	.12	<10	97	<10	11
80 -	223 909	<5	<.2	1.37	20	6	130	<5	1.64	<1	12	34	160	2.36	.09	<10	.83	867	<1	.03	35	960	6	5	<20	197	.06	<10	69	<10	14

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
223 910	5	<.2	1.50	30	6	120	<5	1.24	<1	13	42	114	3.03	.13	<10	1.00	481	<1	.04	33	1040	2	5	<20	136	.09	<10	79	<10	12	43
223 911	5	<.2	1.67	15	4	120	<5	1.25	<1	9	47	103	2.24	.10	<10	.77	186	<1	.03	43	1080	2	<5	<20	101	.08	<10	50	<10	15	47
223 912	5	<.2	1.67	25	4	150	<5	1.11	<1	13	48	92	2.68	.10	<10	.78	529	<1	.04	58	590	2	5	<20	100	.09	<10	62	<10	12	43
223 913	5	<.2	1.67	25	4	140	<5	1.04	<1	13	50	76	2.71	.10	<10	.78	479	<1	.04	51	650	4	<5	<20	95	.10	<10	62	<10	11	56
223 914	<5	<.2	1.33	15	4	110	<5	.94	<1	12	67	53	3.33	.08	<10	.69	277	<1	.03	42	700	2	<5	<20	84	.09	<10	100	<10	10	40
223 915	<5	<.2	1.35	35	2	65	<5	.37	<1	9	29	14	1.81	.05	<10	.39	193	<1	.01	14	690	2	<5	<20	27	.11	<10	52	<10	6	36
223 916	<5	.2	5.18	15	4	365	<5	.94	<1	26	88	155	5.62	.36	10	.91	2116	7	.02	63	470	4	<5	<20	73	.14	<10	116	<10	21	61
223 917	<5	<.2	1.39	30	2	65	<5	.49	<1	10	31	12	2.03	.06	<10	.34	210	1	.01	15	320	2	<5	<20	32	.11	<10	56	<10	6	34
223 918	<5	<.2	1.13	30	2	50	<5	.40	<1	6	26	18	1.35	.06	<10	.33	185	<1	.01	10	220	2	<5	<20	28	.10	<10	39	<10	6	23
223 919	10	<.2	3.04	45	4	115	<5	.59	<1	13	57	107	3.18	.14	<10	.49	214	1	.02	26	240	2	<5	<20	47	.13	<10	90	<10	11	30
223 920	<5	<.2	1.45	25	2	90	<5	.40	<1	10	35	17	2.34	.06	<10	.37	168	<1	.01	16	910	4	<5	<20	30	.10	<10	71	<10	5	22
223 921	<5	<.2	1.20	30	2	50	<5	.41	<1	8	27	24	1.73	.06	<10	.43	173	<1	.01	13	530	4	<5	<20	29	.11	<10	55	<10	6	22
223 922	<5	<.2	1.10	35	2	50	<5	.40	<1	10	31	27	1.98	.05	<10	.46	184	<1	.01	16	500	4	<5	<20	27	.11	<10	66	<10	6	29
223 923	<5	<.2	1.27	20	2	60	<5	.35	<1	10	32	23	2.17	.06	<10	.37	163	<1	.01	15	470	6	<5	<20	25	.10	<10	65	<10	5	23
223 924	<5	<.2	1.03	30	2	45	<5	.39	<1	8	25	22	1.58	.05	<10	.36	157	<1	.01	12	430	2	<5	<20	26	.10	<10	48	<10	6	27
223 925	<5	<.2	1.53	25	4	70	<5	.34	<1	10	35	19	2.33	.05	<10	.38	154	<1	.01	21	1090	8	<5	<20	24	.10	<10	66	<10	5	40
223 926	<5	<.2	2.05	30	2	70	<5	.34	<1	12	31	23	2.88	.07	<10	.44	326	<1	.01	15	3080	2	<5	<20	27	.12	<10	69	<10	5	89
223 927	<5	<.2	1.24	20	2	60	<5	.28	<1	8	23	11	1.96	.04	<10	.22	264	<1	.01	12	1210	4	<5	<20	22	.09	<10	54	<10	4	36
223 928	<5	<.2	3.17	40	2	115	<5	.45	<1	18	50	161	3.61	.11	<10	.89	346	<1	.01	24	1490	4	<5	<20	41	.15	<10	109	<10	10	45
223 929	<5	<.2	1.23	25	2	50	<5	.32	<1	10	27	68	1.77	.05	<10	.42	309	<1	.01	14	320	2	<5	<20	24	.10	<10	52	<10	5	37
223 930	5	<.2	1.35	30	4	60	<5	.49	<1	12	31	46	2.24	.08	<10	.62	322	<1	.01	15	740	2	<5	<20	35	.11	<10	74	<10	7	28
223 931	<5	<.2	1.04	30	2	45	<5	.43	<1	10	27	28	1.75	.07	<10	.48	242	<1	.01	12	390	2	<5	<20	30	.11	<10	56	<10	7	24
223 932	<5	<.2	1.01	35	2	45	<5	.33	<1	8	26	36	1.66	.05	<10	.37	166	<1	.01	14	380	2	<5	<20	24	.10	<10	52	<10	6	25
223 933	<5	<.2	1.08	35	2	45	<5	.42	<1	11	26	25	1.77	.05	<10	.51	264	<1	.01	14	680	4	<5	<20	27	.11	<10	57	<10	6	32
223 934	<5	<.2	1.00	30	2	45	<5	.38	<1	8	25	16	1.52	.05	<10	.39	199	<1	.01	12	570	2	<5	<20	26	.10	<10	47	<10	6	21
223 935	<5	<.2	1.10	30	2	50	<5	.33	<1	8	24	13	1.38	.04	<10	.35	191	<1	.01	14	300	2	<5	<20	25	.10	<10	41	<10	6	28
223 936	<5	<.2	1.38	25	2	60	<5	.31	<1	8	29	10	1.91	.04	<10	.30	127	<1	.01	16	470	2	<5	<20	24	.09	<10	55	<10	4	20
223 937	5	<.2	2.07	25	4	85	<5	.31	<1	13	37	19	3.32	.05	<10	.41	274	<1	.01	19	1810	4	<5	<20	28	.09	<10	94	<10	4	61
223 939	<5	<.2	1.44	30	2	85	<5	.37	<1	10	30	19	2.61	.04	<10	.39	250	<1	.01	13	490	2	<5	<20	33	.11	<10	82	<10	6	22
223 940	<5	<.2	1.47	40	2	95	<5	.40	<1	9	29	18	2.33	.04	<10	.38	211	<1	.01	14	660	2	<5	<20	33	.11	<10	73	<10	6	22

#	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
11-	223 941	<5	<.2	1.05	20	2	80	<5	.34	<1	9	28	14	2.37	.04	<10	.29	203	<1	.01	12	440	4	<5	<20	31	.09	<10	73	<10	5	17
12-	223 942	<5	<.2	1.35	35	2	85	<5	.43	<1	9	26	17	2.00	.04	<10	.38	219	<1	.02	13	630	2	<5	<20	37	.11	<10	61	<10	7	26
13-	223 943	<5	<.2	1.25	25	4	75	<5	.43	<1	9	24	12	1.97	.04	<10	.37	195	<1	.02	15	600	2	<5	<20	36	.10	<10	60	<10	6	21
14-	223 944	<5	<.2	1.00	20	2	65	<5	.37	<1	8	26	14	2.22	.05	<10	.34	217	<1	.01	13	500	<2	<5	<20	28	.09	<10	70	<10	5	17
15-	223 945	<5	<.2	1.19	10	4	75	<5	.60	<1	10	29	23	2.40	.09	<10	.49	335	2	.02	15	760	8	<5	<20	39	.09	<10	70	<10	7	29
16-	223 946	<5	<.2	.99	5	2	60	<5	.46	<1	6	19	9	1.29	.03	<10	.29	170	<1	.01	9	550	6	<5	<20	31	.09	<10	37	<10	6	17
17-	223 947	<5	<.2	1.20	10	2	75	<5	.41	<1	11	35	16	2.13	.06	<10	.43	281	<1	.01	18	740	6	<5	<20	32	.09	<10	59	<10	7	33
18-	223 948	<5	<.2	1.11	10	2	75	<5	.41	<1	9	35	15	2.19	.06	<10	.38	228	<1	.01	18	670	4	<5	<20	34	.09	<10	60	<10	7	25
19-	223 949	<5	<.2	.95	5	2	45	<5	.36	<1	8	34	10	2.12	.05	<10	.42	196	<1	.01	16	510	2	<5	<20	24	.07	<10	60	<10	4	20
20-	223 950	5	<.2	.81	5	2	40	<5	.36	<1	7	31	11	1.91	.04	<10	.37	178	<1	.01	15	430	46	<5	<20	26	.06	<10	55	<10	5	34
21-	223 951	5	<.2	1.08	5	2	65	<5	.46	<1	10	36	17	2.25	.07	<10	.48	257	<1	.01	20	570	8	<5	<20	34	.08	<10	61	<10	7	26
22-	223 952	5	<.2	1.33	10	2	65	<5	.34	<1	10	35	10	2.12	.06	<10	.39	233	<1	.01	19	800	8	<5	<20	24	.09	<10	57	<10	6	32
23-	223 953	<5	<.2	1.07	5	4	65	<5	.42	<1	10	35	14	2.17	.05	<10	.47	233	<1	.01	21	580	6	<5	<20	35	.07	<10	59	<10	7	25
24-	223 954	5	<.2	1.26	15	2	75	<5	.48	<1	11	41	24	2.63	.08	<10	.52	280	<1	.02	23	570	6	<5	<20	40	.09	<10	67	<10	8	29
25-	223 955	5	<.2	1.32	5	4	75	<5	.45	<1	11	41	20	2.59	.08	<10	.56	276	<1	.01	25	620	6	<5	<20	38	.09	<10	65	<10	8	28
26-	223 956	<5	<.2	1.40	10	4	75	<5	.48	<1	12	43	19	2.65	.08	<10	.59	302	<1	.01	21	570	6	<5	<20	37	.11	<10	71	<10	8	29
27-	223 957	<5	<.2	1.29	10	4	70	<5	.42	<1	11	42	16	2.46	.07	<10	.48	248	<1	.01	21	500	6	<5	<20	35	.10	<10	64	<10	8	27
28-	223 958	<5	<.2	1.31	10	4	65	<5	.35	<1	10	38	10	2.29	.06	<10	.44	215	<1	.01	20	680	6	<5	<20	29	.10	<10	60	<10	6	28
29-	223 959	<5	<.2	1.14	10	4	60	<5	.39	<1	8	35	11	1.91	.05	<10	.43	189	<1	.01	17	520	4	<5	<20	31	.08	<10	50	<10	6	21
30-	223 964	<5	<.2	1.66	5	4	85	5	.39	<1	13	44	12	3.99	.05	<10	.42	235	<1	.01	23	1540	6	<5	<20	29	.09	10	123	<10	5	49
31-	223 965	<5	<.2	1.40	10	4	70	<5	.39	<1	10	34	8	1.93	.04	<10	.42	182	<1	.01	22	630	6	<5	<20	30	.10	<10	47	<10	7	49
32-	223 966	<5	<.2	1.04	5	4	60	<5	.46	<1	9	31	5	1.85	.03	<10	.40	170	<1	.01	17	540	4	<5	<20	33	.09	<10	51	<10	6	25
33-	223 967	<5	<.2	1.16	10	2	70	<5	.45	<1	10	33	8	2.03	.05	<10	.45	207	<1	.01	18	580	6	<5	<20	33	.10	<10	53	<10	7	30
34-	223 968	<5	<.2	.93	5	4	50	<5	.46	<1	7	22	6	1.42	.03	<10	.36	188	<1	.01	14	630	4	<5	<20	32	.08	<10	39	<10	6	31
35-	223 969	<5	<.2	1.09	10	4	90	<5	.55	<1	12	49	11	3.71	.04	<10	.51	240	<1	.01	25	920	4	<5	<20	44	.09	<10	126	<10	7	29
36-	223 970	<5	<.2	1.83	10	4	150	<5	.59	<1	14	50	17	3.37	.06	<10	.56	216	<1	.02	42	1050	8	<5	<20	59	.13	<10	109	<10	9	40
37-	223 987	<5	<.2	1.02	10	2	85	<5	.54	<1	7	30	6	1.26	.03	<10	.38	144	<1	.02	13	730	6	<5	<20	47	.10	<10	37	<10	7	22
38-	223 988	<5	<.2	1.20	15	4	70	<5	.56	<1	10	32	10	2.52	.05	<10	.38	179	<1	.02	17	750	6	<5	<20	50	.10	<10	64	<10	7	30
39-	223 989	<5	<.2	1.27	5	4	95	<5	.50	<1	9	33	7	1.90	.03	<10	.34	189	<1	.02	14	420	8	<5	<20	48	.10	<10	47	<10	6	26
40-	223 990	<5	<.2	1.46	15	4	105	<5	.55	<1	10	32	9	2.00	.03	<10	.33	208	<1	.02	19	730	8	<5	<20	51	.11	<10	66	<10	7	30

STRATHCONA MINERAL SERVICES LTD. ETK 93-270

ECO-TECH LABORATORIES LTD.

AUGUST 25, 1993

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ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)
141-	223 991	<5	<.2	.28	400	6	2615	5	2.53	1	61	98	9	10.90
142-	223 992	<5	<.2	.85	15	4	100	<5	.60	<1	7	27	6	1.72
143-	223 994	<5	<.2	.92	10	4	50	<5	.59	<1	6	20	6	1.44
144-	223 995	<5	<.2	1.19	10	4	90	<5	.58	<1	11	31	13	2.33
145-	223 996	<5	<.2	1.01	5	4	65	<5	.67	<1	8	23	9	1.61
146-	223 998	<5	<.2	1.07	10	4	75	<5	.53	<1	9	31	6	1.66
147-	223 999	<5	<.2	1.25	10	2	80	<5	.39	<1	10	34	10	2.46
148-	224 000	<5	<.2	1.60	10	4	85	<5	.35	<1	12	39	11	2.46
149-	93 RS 001	<5	<.2	2.30	10	4	120	5	.44	<1	21	43	27	4.63
150-	SLD B 08	<5	<.2	1.49	5	4	105	5	.29	<1	11	25	21	3.21

ET#	DESCRIPTION	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W
141-	223 991	.04	<10	.40	>10000	23	.01	50	>10000	<2	<5	<20	395	.01	180	306	<10
142-	223 992	.05	<10	.30	1308	<1	.02	11	660	2	<5	<20	56	.09	<10	40	<10
143-	223 994	.04	<10	.33	292	<1	.02	9	430	4	<5	<20	41	.11	<10	43	<10
144-	223 995	.04	<10	.37	264	<1	.02	15	750	6	<5	<20	50	.10	<10	71	<10
145-	223 996	.05	<10	.38	199	<1	.02	12	530	6	<5	<20	47	.12	<10	51	<10
146-	223 998	.02	<10	.38	193	<1	.02	16	600	6	<5	<20	40	.09	<10	56	<10
147-	223 999	.03	<10	.43	210	<1	.01	23	800	6	<5	<20	32	.08	10	70	<10
148-	224 000	.05	<10	.40	204	<1	.01	25	1150	8	<5	<20	28	.10	<10	62	<10
149-	93 RS 001	.06	<10	.81	394	<1	.02	45	2110	12	<5	<20	40	.17	<10	115	<10
150-	SLD B 08	.05	<10	.25	551	<1	.01	17	1490	6	<5	<20	24	.10	<10	97	<10

QC/DATA:

	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)
Repeat #:												
65- 223 890	<.2	.99	45	2	45	<5	.40	<1	7	25	9	1.33
114- 223 944	<.2	.99	25	2	65	<5	.37	<1	9	27	13	2.20
115- 223 945	<.2	1.34	5	4	85	<5	.64	<1	11	31	26	2.71
STANDARD 1991:	1.2	1.87	75	4	120	<5	1.65	<1	19	62	83	3.76
STANDARD 1991:	1.1	1.81	70	4	100	<5	1.45	<1	17	55	82	3.33
STANDARD 1991:	1.2	1.92	65	6	115	<5	1.68	<1	19	63	85	3.81

	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W
Repeat #:																
65- 223 890	.05	<10	.36	159	<1	.01	10	360	<2	<5	<20	26	.12	<10	41	<10
114- 223 944	.05	<10	.34	216	<1	.01	14	520	<2	<5	<20	28	.09	<10	70	<10
115- 223 945	.10	<10	.54	377	<1	.02	18	840	6	<5	<20	46	.10	<10	78	<10
STANDARD 1991:	.37	<10	.99	677	<1	.02	22	570	10	5	<20	66	.11	<10	78	<10
STANDARD 1991:	.35	<10	.93	598	<1	.02	20	530	4	5	<20	63	.10	<10	70	<10
STANDARD 1991:	.38	<10	.96	674	<1	.02	25	600	18	5	<20	69	.11	<10	78	<10

NOTE: < = LESS THAN
> = GREATER THAN

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

cc: David Blann/R.Aulis
Lac La Hache, B.C.

SC93/Strathcona

APPENDIX C

Summary of Existing Exploration Reports on Spout Lake Area

ASSESSMENT REPORTS

949 (1966) Geochem, Coranex Property. North of Spout Lake/Bluff Lake. Minor chalcopyrite,pyrite, bornite occurreces in coarse syenite (<0.1% copper /25 sq. ft). Drainage and soil sampling. Scattered weakly anomalous copper values within syenite.

1704 (1968) Geochem, Monte Cristo Mines, SS and Contact claims centered on Bluff lake. Chalcopyrite, bornite, pyrite mineralization in shears between Bluff and Spout Lake. Soils done by Rubianic acid method. One 'strong '700'x300' anomaly, 1000 ft. south of Bluff Lake, one 300 ft. square area 'strong' 2000 ft south of west end of Bluff Lake.
One 1500 ft square area of mod-strong anomaly in NW corner of property.

2074 (1969) Magnetics, Monte Cristo Mines. J.A. Mitchell, P.Eng. SS claims. Mag low in SS3-6 associated with geochemistry anomaly. 1200ft E-W x 600ft N-S. 69 samples of soils "B" horizon re-done; One returned 153 PPM copper in SS-3-6 zone.

2370 (1971?) Cyprus Expl.; Geology, geochemistry on DOD claims. Good outcrop. Contact with basalt and monzonite +/- syenite. Geochem grid over contact shows anomalous Copper in soils.

3882 (1972) Amax, Airborne magnetics, WA-WB claims. Large area over Spout Lake and W,NW, S to Rail Lake and east-NE of Rail Lake over to batholith. Anomalous magnetic features SE of Spout -at contact of Nicola with intrusive rocks; extreme lows surrounded by highs (like Copper Mnt., Ingerbell anomaly). A mag high immediately North of Rail Lake- basement faults run through Spout Lake area.

3027 (1971) Nitro Developments, Magnetics, geology, Cleo Claim Group. Off southwest corner of Murphy Lake. Magnetically flat. Granodiorite over area to SE. Copper occurrence(?) in claims 57724-57735, no details.

3232(1971) Falconbridge Nickel I.P/Resistivity. Bory, claims. Murphy-Two-Mile lake and north. 12 anomalous zones; widespread weak response of , <1% metallics. Narrow shallow sources of limited metal content seems common- no chalcopyrite. E,F,G,H,I lines 200-500 ft depth, only half completed at time of report.

3387 (1971) Nitro Developments, Cleo Claims. Mag/Geochem. Good geochem coverage with at least one significant 2200x400 ft. anomaly average 154 ppm (17 samples) ; two smaller anomalies of 5 samples or less. Patterns display spread pattern consistent with wnw ice. Two DDH recommended.

4556 (?) Amax Eagle Creek Property. WA claims. no text copied. Maps show 2 lines of significant size/intensity IP - cannot determine location.

4697 (1973) Craigmont Mines Ltd. N.B.Vollo. Geo,mag, geochem. SL claims. 95 miles of grid between Murphy/ Spout/2-mile lakes. Geochem coverage (lines 1000x 200 ft) with distinct large anomalous zones trending subparallel basalt syenite (topographic?) contact.
Mag surveys show some correlation between geology and geochem anomalies. Anomaly A=2 parallel zones, 1000x7000 feet, 1000-1500 ft apart- parallel ice dirn, or at /near eastern contact of intrusion, downslope of Miocene cap. No Mo or Zn anomalies. Anomaly B= 3000 ft sq. up to 300 ppm copper, patchy, round. Syenite/ granodiorite outcrop to east and NE.

17776 (1988) Beachview Resources,. Glen White. Geophysics, mag VLF-EM. Diane 3,4. West edge of Spout Lake. No previous work recorded. 2 mag lows in SE of grid= possible alteration zones and rec. further work. 9 VLF-EM conductors. A- strong, possible massive sulphide, north trend under spout Lake. B-to NE, C-coincides with mag lows=structures or lithology, D&F-probably cultural, E+G good intensity but erratic. H+I-inferred argillaceous unit.

18148 (1988) Peach Lake Resources Inc. Geochem/ Mag-VLF, Dora, Club, PeeWee claims. South of east half of Spout lake west to Peach Lake. Copper background 25-50 ppm, anomalous >100 ppm. 1600 samples, 6> 500 ppm, 2> 900 ppm. North and south showings were NOT highlighted as anomalous (low pyrite, carbonate?). Area needs separate study- many zones;

18192 (1988) Tide Resources Ltd. Airborne mag, VLF. Dennis Woods, PhD, P.Eng.

18347 (1989) Tide Resources Ltd. Airborne VLF-EM. D. Woods.

19575 (1989) Armstrong Gold Corp. Marcus Seyward. Large block N to NW of 2 mile up to Macintosh Lakes. 3 areas of interest outlined. High mag related to mafic alkalic stocks with faulting, 2 were not covered by '82 IP surveys.

REFERENCES CITED IN REPORTS

SPOUT LAKE PROPERTY:
Campbell, R.B. and Tipper, H.W; G.S.C. Memoir 363, 1972, "Geology of Bonaparte Map Area".

Hodgson, C.J., DePaoli, G.M. , 1972; "Spout Lake Copper property", Report for Amax Potash Ltd.

Leary, G.M., et al, 1972; Spout Lake property, NW grid of the WC claims. Report for Amax Potash Ltd.

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Leary, G.M., 1973; Final 1972 Report Spout Lake Copper Property. Report for Amax Potash Ltd.

Jones, H.M., 1989; A Report on the Dora, Peewee and Club claims. Report for Toodoggone Gold Inc.

Gale, R.E., 1989; Assessment Report on the Geology and Drilling of the Peewee 1,2,3,

Club15, Dora M.C., Dora 1, Miracle fraction claims. For Peach Lake Resources Inc.

Gale, R.E., 1989; Spout Lake property. Report for Peach Lake Resources Inc.

Dunn, D. St. Clair, White, G.E., 1989; Report on Geology, Geochemistry, and Geophysical surveys, Trenching and diamond drilling on Miracle 2,3,4,5. Report for GWR Resources Inc.

PEACH LAKE PROPERTY

Lloyd, J.,1991; An Assessment Report on an Induced Polarization survey on the Peach lake Property. For Asarco Exp. Co. of Canada Ltd.

White, G.E., 1988; Geochemical, geophysical report . For Peach Lake Resources Inc.

Vollo, N.B., 1975; "Diamond Drilling Report". Report for Amax Potash Ltd.

ANNE CLAIMS

Gale, R.E.,1988; Engineering Report on Anne1,2 claims. Private Report for Ophir Copper Corp.

Gale, R.E., 1991; Assessment Report on the Geology and Drilling of the Anne 1 and Anne 2 claims. For Asarco Exploration Co.

Gamble, D., 1983; Geochemical Survey, Core Claims. Assessment report 11,692.

Gamble, D., Hoffman, S.J. ,1984; Soil Geochemical Survey on the Core 8-13 Claims. Assessment Report 13,119.

Jones, R.H., Woodcock, J.R., Campbell, C.J.,1967; Report on Peach Claims, Coranex Ltd. Assessment Report 11310.

Leary, G.M, et al, 1972; Geological, geochemical geophysical and diamond drilling. Report for Coranex Ltd.

LLoyd, J., Cornock, S.J.A., 1991; An Assessment Report on an Induced Polarization Survey on the Ophir Property. For Asarco Expl. Co. of Canada Ltd.

White, G.E., 1988; Geochemical, geophysical Report, Anne 1, Anne 2 claims.

REGIONAL RESOURCES LTD.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
R. J. AULIS

Report by: R.J. Aulis	LAC LA HACHE PROPERTY TWO MILE LAKE GROUP CLAIM LOCATION PLAN
Date: Sept. 1993	
NTS: 92P/14 93A/3	
Mining Division Clinton/Cariboo	0 500 1000 METRES
Scale: 1:20,000	Map: 2

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,089

GEOCHEMISTRY LEGEND

- △ Silt Sample
- □ Rock Sample
- • Soil Sample
- ▪ No Sample
- 25/6 Cu (ppm) / Au (ppb)

REGIONAL RESOURCES LTD.

LAC LA HACHE PROPERTY
TWO MILE LAKE GROUP

1993 GEOCHEMISTRY PLAN

Report by: R.J. Aulis
Date: Sept. 1993
NTS: 92P/14, 93A/3
Mining Division: Clinton/Cariboo
Scale: 1:20,000

0 500 1000 METRES

Map: 4

GEOLOGICAL LEGEND

8 Tertiary Volcanics

Jurassic Intrusions

7
- 7a Takomkane –Monzonite
- 7b –Quartz Monzonite
- 7c –Granodiorite
- 7d –Granite

6 Magnetic Monzonite (Central Area)

5 Gabbro

Nicola Group, Triassic/Jurassic

4 Intrusions
- 4a Syenite
- 4b Diorite
- 4c Monzonite

Volcanic Rocks

3 Flows/Tuffs
- 3a Basalt
- 3b Andesite
- 3c Augite Porphyry
- 3d Feldspar Porphyry

2 Breccias
- 2a Basalt/Andesite
- 2b Syenite
- 2c Monzonite
- 2d Diorite
- 2e Carbonate Cemented

1 Sediments
- 1a Limestone
- 1b Greywacke
- 1c Black Phyllite

9 Skarn, Calc–Silicate
- 9a Epidote
- 9b Garnet
- 9c Diopside
- 9d Magnetite

- 2^K K–Feldspar
- 2^{mt} Magnetite
- 2^B Biotite
- chl Chlorite
- ep Epidote
- cp Chalcopyrite
- bo Bornite
- py Pyrite
- mo Molybdenite

Fault
Geological Contact
Swamp
Outcrop
Road

REGIONAL RESOURCES LTD.

LAC LA HACHE PROPERTY
TWO MILE LAKE GROUP
GEOLOGY PLAN

Report by: R.J. Aulis

Date: Sept. 1993

PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA — R. J. AULIS

NTS: 92P/14, 93A/3

Mining Division: Clinton/Cariboo

Scale: 1:20,000

0 500 1000 METRES

Map: 5