1993 GEOCHEMICAL REPORT

ON THE AU PROPERTY

Nicola Mining Division, B. C.
NTS: 92H/15E
Latitude 49°57'N; Longitude 120°31'W

Report Distribution

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1993 GEOCHEMICAL REPORT

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Nicola Mining Division, B. C.
NTS: 92H/15E
Latitude 49°57'N; Longitude 120°31'W

For

FAIRFIELD MINERALS LTD.

Vancouver, British Columbia

By

E. A. Balon, P. Geo.

Cordilleran Engineering Ltd.
1980 - 1055 West Hastings Street
Vancouver, B. C. V6E 2E9

Date Submitted: August 1994
Field Period: June 1-30 and August 29, 1993

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1.0 SUMMARY AND CONCLUSIONS

This report describes a program of geochemical soil sampling and minor prospecting conducted on the AU property, as a preliminary step toward re-evaluating the gold and copper potential. The work was carried out by Cordilleran Engineering Ltd. during June and on August 29, 1993. The report also entails a comprehensive review of past exploration results.

The property, located 25 kilometers southeast of Merritt, B.C. comprises five contiguous claims totalling 20 units in the Nicola Mining Division. The claims are owned 100 percent by David Heyman, subject to a right of Imperial Metals Corporation, and are presently under option to Fairfield Minerals Ltd.

The claim group covers relatively flat terrain of mixed forest and open rangeland on the southern Thompson Plateau. Road access is afforded via logging/ranching routes which head from Provincial Highways 5A and 97C. Bedrock exposure is limited, however the overburden depth in the central property area is generally shallow.

Previous exploration by others has tested only a small portion of the total property area. Most of this work (1975-87) was focused on and around the Main (Nesbitt) Showing located in 1974, on the AU#1 claim. Selected grab samples from this showing have assayed up to 2.66 ounces per ton (opt) Au and limited trenching has yielded 0.315 opt Au/4.9m with diamond drilling returning 0.145 opt Au/1.5m and 3.58% Cu, 2.72 opt Ag/1.5m. Despite these values however, the overall results from the various programs were erratic and the continuity and extent of mineralization was not delineated.

A gold-copper soil anomaly outlined by Invex Resources Ltd. in 1979 extends 500 metres northerly from the Nesbitt Showing. During field examinations by Cordilleran in 1991, a new showing (Fairfield Showing) was discovered near the north end of this anomaly. Hand trenching revealed a 0.75 metre-wide mineralized structure and continuous chip sampling across the exposure returned gold assays of up to 1.402 opt.

Underlying geology at AU consists predominantly of Upper Triassic Nicola Group clastic sediments and volcanics with small bodies of coeval diorite. This assemblage is strongly fractured and faulted, and is intruded by a lobe of Jurassic Pennask Batholith granodiorite. Fracture-controlled gold and copper mineralization at the Nesbitt Showing occurs in quartz-carbonate and sulphide alteration zones in various Nicola units. At the Fairfield Showing, gold and silver-bearing pyritic quartz veins are also hosted in sheared, siliceous Nicola rocks.

Other significant gold occurrences in similar geology are known on an adjoining claim group (Snowflake/Pot). Eighteen kilometres to the southeast of AU, Fairfield is currently test mining an economic, high-grade gold vein system on its Elk claims. This deposit (Siwash North) is situated in a granodiorite - Nicola volcanic contact zone.

The 1993 AU program consisted of initial 200m x 50m grid soil sampling over the entire property with subsequent detailed (50m x 50m) sampling around many of the anomalous sites. A total of 800 samples were collected and analyzed for gold, copper, silver, arsenic, zinc and iron. Minor prospecting was conducted around a few selected gold anomalies.

The geochemical results identify numerous single and multi-element anomalies, with values up to 550 ppb Au, 505 ppm Cu, 0.9 ppm Ag, 1147 ppm As, 183 ppm Zn and 5.84% Fe. There is good correlation of anomalous gold with elevated copper, arsenic and iron. Most of the anomalies are distributed within a broad belt of metal enrichment that includes and extends beyond both of the presently known showings. This area measures up to 500 metres wide by 1500 metres long, representing a considerable expansion of the soil anomaly outlined in 1979. Within the overall anomaly pattern two prominent multi-element linear trends carry through the intervening area between the showings. These trends may be reflecting narrow but high-grade mineral structures with good strike-length potential.

The newly outlined anomalous soil geochemistry requires testing and the existing showings require further definition. There is good potential for locating additional areas of significant gold ± copper mineralization on the AU property, and further work is warranted.

2.0 RECOMMENDATIONS

Trenching is recommended to determine strike extensions of the known showings and to evaluate gold or multi-element soil anomalies, at or near the following grid locations:

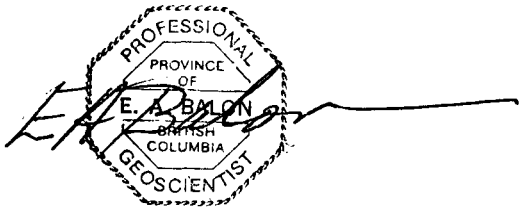
1. Between 500E/950N (39 ppb Au) and 650E/950N (370 ppb Au), westerly from the Nesbitt Showing.
2. 450E/1000N (260 ppb Au), NW of the Nesbitt Showing.
3. Between 350E/1250N (150 ppb Au) and 400E/1200N (32 ppb Au), on the linear NW geochemical trend from (2).
4. Easterly along trend of the Fairfield Showing (~580E/1475N) and northerly toward 600E/1600N - 56 ppb Au.
5. 1250E/1850N (81 ppb Au), in the northeast extremity of the overall anomaly area.

An initial program totalling approximately 300 to 400 lineal metres is proposed. Trenches should be cleaned, mapped and chip sampled. Samples should be analyzed for gold by AA plus 30 elements by ICP. Those with anomalous values should be assayed for gold, copper and silver.

Contingent upon favorable results from the trenching program, areas with mineralization of significant grade should be tested to depth by diamond or reverse circulation drilling.

Respectfully submitted,

CORDILLERAN ENGINEERING LTD.



E. A. Balon, P. Geo

3.0 INTRODUCTION

3.1 LOCATION AND PHYSIOGRAPHY (Figure 1)

The AU property is situated in south-central British Columbia, approximately 25 kilometres southeast of Merritt and 8 kilometres east of the village of Aspen Grove. The claim group is centered at latitude 49°57'N and longitude 120°31'W within NTS map area 92H/15E. Access is via dirt roads (old logging trails) which lead easterly from Provincial Highway 5A at a point 6 kilometres north of Aspen Grove, and northerly from the Loon Lake Exit on Highway 97C (Okanagan Connector). Off-highway road distances via either route are about 12 kilometres to the AU1 claim, and four wheel drive is advisable. These roads have locked gates and permission to enter is required by Douglas Lake Ranch which owns much of the surface rights in this area.

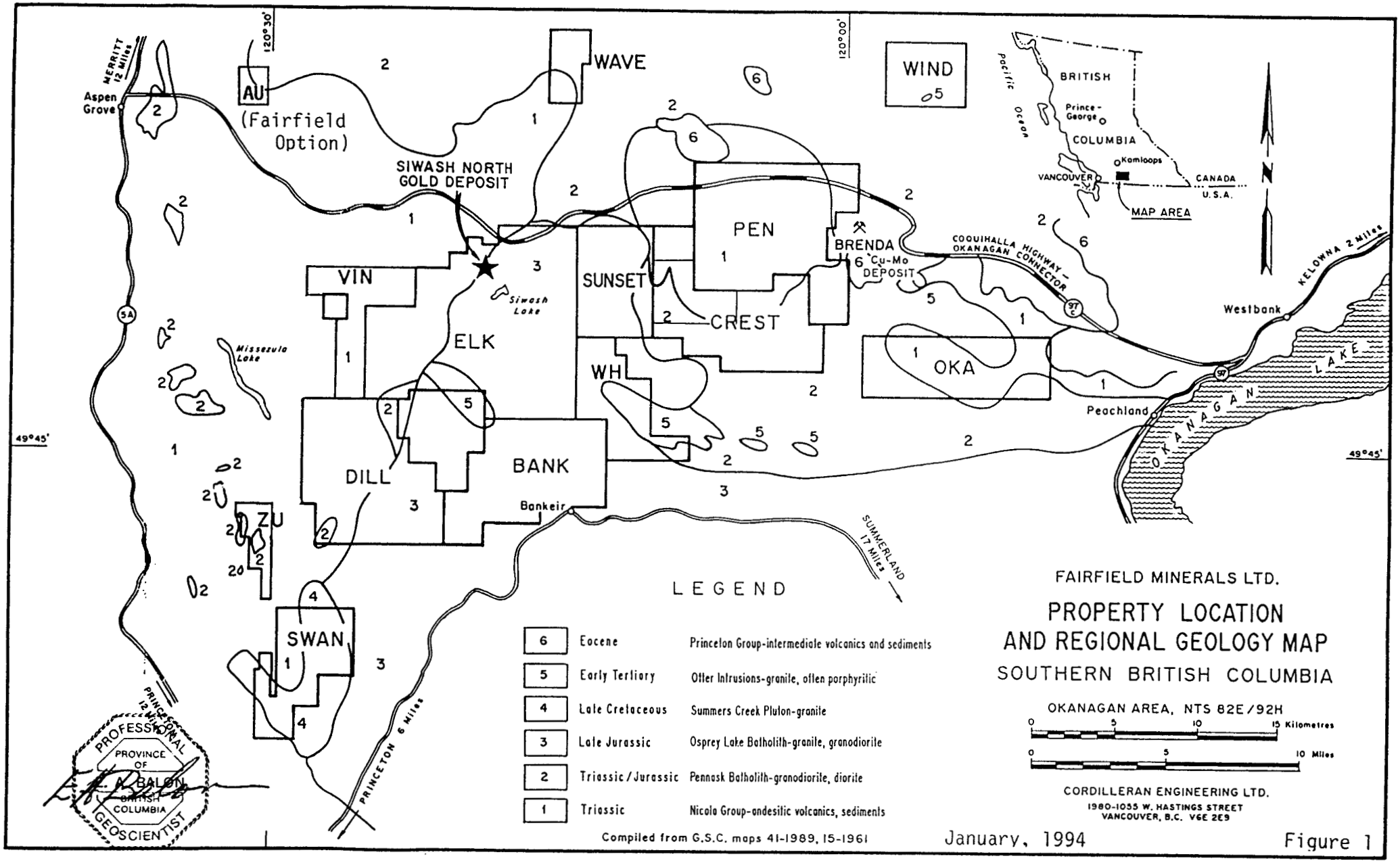
The claims cover 5 square kilometres of flat to gently rolling upland terrain in the southern part of the Thompson Plateau. Topographic relief is in the order of 100 metres (300 feet) with elevations ranging from about 1065m (3500 ft) near the northwest property corner, to 1160m (3800 ft) at the centre of the south boundary. Drainage is dominated by Quilchena Creek which flows westerly across the northern claims and occupies a broad depression. The northwestern part of the property is open, grassy rangeland. The southern and eastern portions are covered with a scattered to dense second growth of fir, spruce and pine. Overburden cover is extensive but generally shallow, at least in the central property area. Overall bedrock exposure is poor. The region is characterized by hot, dry summers and mild winters with generally low precipitation.

3.2 CLAIM DATA (Figure 2)

The current status of the five claims which comprise the AU property is given in Table 1 and their locations are shown on Figure 2. The claims, located in the Nicola Mining Division, are 100% owned by David Heyman of Langley, B. C. subject to a right of Imperial Metals Corporation of Vancouver, B. C. By agreement dated March 31, 1993, Fairfield Minerals Ltd. acquired an option to earn an interest in the property.

TABLE 1: CLAIM STATUS AS AT APRIL 14, 1994
(per Statement of Work/Event No. 3049168 recorded at Vancouver, B. C.)

Claim	Units	Tenure No.	Expiry Date
AU 1	4	236977	April 20, 1998
AU 2	2	236978	April 25, 1998
AU 4	2	236979	April 25, 1998
FLIM	4	237129	May 15, 1998
FLAM	8	237130	May 15, 1998



LEGEND

6	Eocene	Princeton Group-intermediate volcanics and sediments
5	Early Tertiary	Otter Intrusions-granite, often porphyritic
4	Late Cretaceous	Summers Creek Pluton-granite
3	Late Jurassic	Osprey Lake Batholith-granite, granodiorite
2	Triassic/Jurassic	Pennask Batholith-granodiorite, diorite
1	Triassic	Nicola Group-andesitic volcanics, sediments

Compiled from G.S.C. maps 41-1989, 15-1961

FAIRFIELD MINERALS LTD.

PROPERTY LOCATION AND REGIONAL GEOLOGY MAP

SOUTHERN BRITISH COLUMBIA

OKANAGAN AREA, NTS 82E/92H

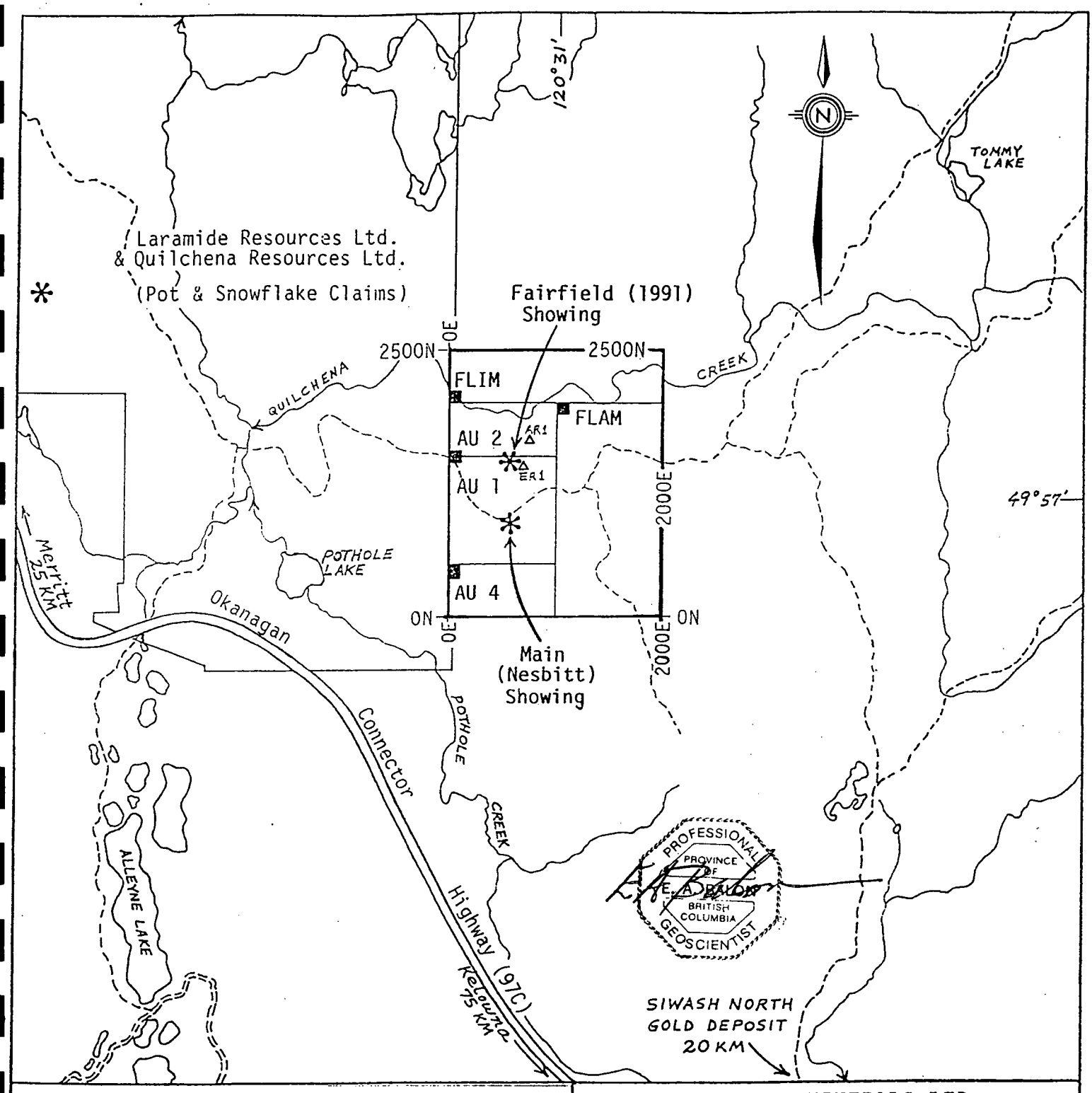
0 5 10 15 Kilometres

0 5 10 Miles

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

January, 1994

Figure 1



LEGEND

- AU1 — Legal Corner Post and Claim Name
- Access Roads, Trails
- 2000E — Grid Line Number
- ER1 — Reconnaissance Rock Sample Location and Number (AU93 Prefix Omitted)
- Significant-Grade Gold Mineralization

FAIRFIELD MINERALS LTD.
AU PROPERTY

CLAIM, GRID AND RECONNAISSANCE SAMPLE LOCATIONS

Nicola Mining Division, B. C.
NTS: 92H/15E (098)

1000 0 1000 2000

Scale in Metres

By: Cordilleran Engineering Ltd.
Vancouver, B. C.

May 1994

Figure 2

3.3 HISTORY

Within the area of the present AU claims, it is reported that local prospectors found free gold in soil during the 1930's. Minor test pitting was done but a gold source was not located. Throughout the 1960's and early 1970's the surrounding area (Aspen Grove district) was extensively explored for porphyry copper deposits. Some of this work probably extended on to the AU area.

The originial AU claims (20) were staked in 1969 by Harry Nesbitt of Merritt, B.C., who conducted prospecting and trenching. In 1974, he located free gold while trenching a known copper showing. Sampling of this trench - the Main (or Nesbitt) Showing - returned high gold values and the property was optioned by New Pyramid Gold Mines Inc.

During the years 1975-83 inclusive, New Pyramid and Invex Resources Ltd. (later Imperial Metals Corp.) carried out exploration programs which included mapping, soil geochemistry, various geophysical test surveys, trenching and limited diamond drilling on and around the Nesbitt Showing. Results were largely inconclusive, however a number of significant gold assays were returned. Surface grab, trench chip and drill core samples are reported which yielded up to 2.66 opt Au, 0.315 opt Au/4.9m and 0.145 opt Au/1.5m respectively. Detailed grid soil sampling (200 ft. x 100 ft.) by Invex in 1979 covered the entire present AU1 claim area and generated 861 samples which outlined a strong gold-copper anomaly averaging 150 metres wide and extending over 500 metres northerly from the Nesbitt Showing.

There is no record of any further work by Imperial Metals and in early 1984 the remaining AU1,2,4 claims (8 units which had been restaked under the Modified Grid System) were optioned to David Heyman. In 1986 Heyman added the FLIM and FLAM claims totalling 12 units and subsequently optioned the property to Algo Resources Ltd. During 1986-87 Algo conducted geological mapping, geophysical surveys (IP, Mag.) and large diameter (HQ) diamond drilling to further test the general Nesbitt Showing area. Nine holes totalling 587m (1926 ft.) were completed, however only low gold values were encountered. The best-grade intercept was a near surface 5-foot (1.5m) section which yielded 0.041 opt Au, 2.72 opt Ag and 3.58% Cu in Hole #87-8 collared about 25 metres northwest of the showing area. Algo relinquished its option and the claims reverted to Heyman.

In the later 1980's and early 1990's, large claim blocks near the AU property and underlain by similar geology were explored for porphyry copper-gold by various junior companies. Economic-grade gold mineralization, albeit of limited extent, was located 5 kilometres to the northwest on Quilchena Resources' Snowflake claims (Figure 2). Drill intercepts averaging 0.77 opt Au/1.5m along a 60-metre strike length are reported.

During 1989-91 Fairfield Minerals Ltd. defined a very high-grade vein system (Siwash North deposit) in an intrusive-volcanic contact zone on its Elk property, 28 road-kilometres southeast of AU. Present drill-indicated reserves of over 200,000 ounces of gold are currently being exploited by open pit and underground test mining. Operations in 1992-93 have produced approximately 21,000 ounces of gold and a similar quantity of silver from narrow quartz-sulphide veins carrying greater that 1.5 opt Au averaged over a 0.8m (2.6 ft) true width.

Fairfield also conducted extensive regional reconnaissance from 1986 through to 1991 and examined the AU property area on several occasions. In 1990 the Nesbitt Showing was visited, selectively cleaned and chip sampled. The best assays obtained were 0.25 opt Au and 0.135% Cu over 2.2 metres (7.2 ft.). In 1991 a new showing was dicovered near the north end of the 1979 Invex gold soil anomaly, about 600 metres distant from the Nesbitt Showing. Hand trenching revealed a 0.75 metre (2.5 ft.) wide vein structure across which continuous chip samples yielded assays of up to 1.402 opt Au. Based on these results and the knowledge that all prior exploration had only evaluated a small portion of the total property area, Fairfield entered into option negotiations with Heyman and finalized an agreement in early 1993.

3.4 1993 EXPLORATION PROGRAM

Wide-spaced grid (200m x 50m) soil sampling was carried out over the entire property. Subsequent fill-in grid (50m x 50m) sampling was conducted around sites with anomalous gold values. This work included twenty person-days and generated a total of 798 samples which were analyzed for gold, copper, zinc, silver, arsenic and iron.

Evaluation of results and follow-up work involved minor prospecting and reconnaissance sampling at a few of the strongest gold anomaly sites. This totalled two mandays and generated 2 rock and 2 soil samples which were tested for the same six elements.

4.0 GEOLOGY

4.1 REGIONAL GEOLOGY (Figure 1)

Regional geology in the area of the AU property is broadly outlined on Figure 1, after recent 1:250,000 scale mapping by the GSC (Maps 41-1989 and 1736A, 1989 by Monger and Templeman-Kluit). The region between Merritt and Princeton, which includes the AU area and adjacent Aspen Grove district, has also been previously mapped by numerous other federal and provincial government geologists. BCMEMPR Bulletin 69 (Preto, 1979) describes and expands upon much of this earlier work.

The claims are underlain prodominantly by the Upper Triassic Nicola Group (Eastern Belt) of volcanic and sedimentary rocks. This assemblage is intruded by a lobe of Jurassic Pennask Batholith granodiorite in the northeast part of the property.

Nicola Group lithologies in the Eastern Belt consist of trachytic andesite and basalt porphyry flows with minor flow breccia, lahars, assorted volcaniclastic rocks, dacitic to andesitic tuffs and intercalated carbonaceous sediments. Coeval subvolcanic bodies of diorite and monzonite are also present. The Pennask Batholith is composed of biotite-hornblende granodiorite and quartz monzonite, locally cut by younger felsic dykes.

Major structural elements of the region comprise prominent northerly trending high-angle fault systems which extend from Copper Mountain near Princeton, to beyond Merritt. These features define a southern extension of a tectonic-stratigraphic subdivision known as the Quesnel Trough. Nicola volcanic and comagmatic intrusive assemblages within this geologic belt are host to several large porphyry-type copper deposits such as Ingerbelle (Copper Mountain), Axe (Summers Creek) and Afton. The southern part of the belt also contains numerous other copper and some copper-gold-silver showings, particularly in the areas around Aspen Grove and Missezula Lake. Some of these occurrences include local skarn and/or vein-type mineralization.

4.2 PROPERTY GEOLOGY AND MINERALIZATION

Detailed mapping within the AU claim group has only been carried out in the immediate Nesbitt Showing area, by various geologists during past periods of active exploration. These parties include G.E. von Rosen (1975), J.P. McGoran (1978), J.P. Elwell (1979) and J. Ostler (1984),with further observations by J.M. Dawson (1986). Their work reports that this locality (central AU1 claim) is underlain by a series of andesitic to dacitic tuffs with interlayered chert, argillite or slate, intruded by subvolcanic diorite. Relationships between differing rock types are unclear due to intense faulting and fracturing. A compilation of surface and drill hole data by Ostler indicated an average bedding attitude of 205°(025°)/50°N. Disseminated and fracture-controlled sulphide mineralization consisting of pyrite, pyrrhotite, chalcopyrite and arsenopyrite occur in all of the rock types. Significant gold values appear to be preferentially associated with local zones of silica and carbonate alteration carrying quartz $\pm$ calcite and/or chalcopyrite-rich veinlets.

Surface sampling at the Nesbitt Showing has returned several moderate to high-grade gold assays, including a few over considerable widths (e.g. 0.632 opt Au/8m - Ostler, 1984). However, there is a wide discrepency in results reported from different programs. This probably reflects variances in sample locations and types, but also indicats that gold values may be erratically distributed and occurring in different host rocks rather than confined to a specific statigraphic unit. Drilling beneath the showing area has revealed only anomalous gold values across narrow sections, except for one 5-foot (1.5m) interval assaying 0.145 opt Au. Thus the continuity and extent of gold mineralization in this area is largely undetermined.

Broad geological mapping, at 1:5000 scale, was conducted over much of the property by J.C. Freeze for Algo Resources in late 1986. Sparse outcrop measurements taken during this survey suggest general northerly to northwesterly trending, folded, principally volcanic units underlying the AU1 claim. Local propylitic (calcite-epidote) and pervasive hematitic alterations including malachite and hydrozincite were noted in bedrock and float approximately 500 metres west of the Nesbitt showing. A reconnaissance rock sample taken in this area returned anomalous gold (225 ppb) and silver (3.2 ppm) analyses. Zones of strong silicification were also noted, in scattered outcrops 450-600 metres northerly from the Nesbitt Showing.

No mapping was conducted by Fairfield during 1993, however some geological observations and measurements have been taken in the course of prior reconnaissance, particularly in the vicinity of the new gold showing discovered in 1991 (Fairfield-1991 Showing, see Figure 2). The Fairfield Showing is located near the AU1/AU2 common claim boundary, at approximate Grid 1475N/580E, 575 metres north of the Nesbitt Showing. Limited hand trenching along an 8-metre length has exposed two narrow (5-20cm) pyritic quartz veins associated with parallel shears trending 088°/80°S to vertical. Dominant fractures in the showing area have similar orientations and include others with an attitude of 135°/80°NE. Host rocks at and around the site are varicoloured, fine-grained, siliceous volcanics and (?) metasediments carrying disseminated sulphides and quartz-pyrite stringers.

Three detailed continuous chip samples, spaced at 0.5 and 1.9 metres apart, have been taken (1991) on the Fairfield Showing. These samples yielded gold assays of 1.308, 1.402 and 0.256 opt for an average of 0.989 opt Au across a measured 0.75-metre (2.5-foot) true width of the vein/shear structure. A grab sample of nearby limonitic quartz float returned 0.965 opt Au. The relative compositions and assay results of the four samples taken to date indicate that high gold values are concentrated within the veins rather than in adjacent or intervening altered hostrocks.

Elsewhere on the property reconnaissance prospecting has noted limonitic quartz and quartz-carbonite vein float quite distant from both of the presently known showings. Some of these occurrences include fragments up to ten centimetres in diameter indicating the presence of other veins or stockworks which may host significant gold mineralization.

Showings on other, nearby properties include important-grade gold mineralization on the Snowflake and Pot claims adjoining AU to the west and copper-silver occurrences on the SOL claim two kilometres east of AU. The gold mineralization at Snowflake/Pot (Ref. Section 3.3) is associated with zones of alteration, fracturing and disseminated sulphides (Reeve, 1988) in similar lithologies to those at the Nesbitt Showing on AU. At SOL, disseminated chalcopyrite-magnetite mineralization occurs sporadically in propylitized volcanics, hornfels and skarn. Some narrow (1-2cm) pyritic quartz-carbonate veins are also present. Selected grab samples taken by Fairfield in 1986 and 1990 returned some high copper values - up to 1.75%, with significant silver (up to 0.37 opt) but very low gold (≤110 ppb).

5.0 GEOCHEMISTRY

A total of 798 soil samples were collected on the AU property in 1993. Initial sampling on a 200m x 50m geochemical grid covering the entire property yielded 546 samples. Subsequent fill-in sampling at 50m x 50m surrounding anomalous sites provided another 252 samples from an area covering parts of the AU1, AU2 and FLAM claims.

Additionally, 2 soil (check samples) and 2 reconnaissance rock samples were collected during later anomaly follow-up.

5.1 SAMPLING PROCEDURE

East-west claim lines were utilized as baselines spaced 2500m apart for the initial grid, and east-west tie-lines were established 800m apart as control for the fill-in grid. These were measured with a hip chain, marked with pink flagging and, at 50m intervals, marked with grid-numbered, water proof Tyvek tags plus pink and blue flagging. North-south soil lines were established using hip chain and compass, and soil stations at 50m intervals were similarly identified with tags plus orange and blue flagging. Fill-in line locations were determined from initial grid stations. Samples were collected from the B soil horizon with mattocks and placed in kraft paper bags marked with the appropriate grid coordinates. The samples were then sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fractions (pulps) used for analyses. All soils were tested for gold by atomic absorption (AA) following aqua regia digestion and MIBK extraction from 10-gram pulps and for copper, silver, arsenic, zinc and iron by ICP from 0.5 gram pulps.

Rock samples were similarly tested for the same six elements, however their gold contents were determined on 20-gram cuts from 250-gram subsamples pulverized to -100 mesh.

5.2 RESULTS (Figures 3-7)

Grid boundaries of the 1993 soil geochemical survey on the AU property are shown on Figure 2. Above background analytical results for gold ($\geq$ 5 ppb), copper ($\geq$ 50 ppm), arsenic ($\geq$ 10 ppm), zinc ($\geq$ 80 ppm) and iron ($\geq$ 2.75%) are plotted on Figures 3 to 7 respectively. No silver plot is presented because the great majority of silver results are background values (< 0.4 ppm). Complete analyses for all elements tested are appended in Section 10.0.

Increasing symbol sizes on the geochemical maps correspond to the following element contents in soil:

Gold (ppb)	Copper (ppm)	Arsenic (ppm)	Zinc (ppm)	Iron (%)
$\leq$ 10	$\leq$ 100	$\leq$ 20	$\leq$ 100	$\leq$ 3.00
> 10	> 100	> 20	> 100	> 3.00
> 20	> 200	> 30	> 150	> 3.50
> 50	> 300	> 50	> 200	> 4.00
Fig 3	**Fig 4**	**Fig 5**	**Fig 6**	**Fig 7**

Values greater than 20 ppb Au, 150 ppm Cu, 30 ppm As, 125 ppm Zn and 3.50% Fe are considered significant anomalies.

The 1993 gold results identify twenty-four moderate to very strong anomalies, in the range of 21-550 ppb Au. Most (17) of the anomaly sites are closely distributed in three groups in the west-central and north-central grid areas (AU1 & 2 and FLAM claims). The remainder (7) are relatively isolated, widely scattered peripheral anomalies, however one of these (550 ppb Au) may be on trend with the main distribution. Two (29 and 45 ppb Au) are located on present grid/property boundaries and may extend into unsampled areas.

The three groups of gold anomaly sites, plus nearby stations with threshold values (11-20 ppb Au), collectively comprise an inferred northeast-trending elliptical area of gold enrichment measuring 1500m long by up to 500m wide. This area represents a considerable expansion of the Invex Resources' - 1979 gold soil anomaly, with the apparent northeast elongation extending from the central anomaly group (on AU1, 2 claims) toward a separate lobe of elevated values (11 - 81 ppb Au) on the northwest FLAM claim.

Within the broad general northeast trend there are a number of more distinct, narrow linear gold trends in the order of 500m - 1100m long. The most prominent of these are two which strike norhtwesterly and northerly from the Nesbitt Showing area, with the northerly one carrying through to and beyond the Fairfield Showing. Several less discrete, easterly linear gold trends are also discernible.

There is moderate to good correlation of anomalous gold with higher values of all five other elements tested, but more specifically with copper, arsenic and iron. Numerous anomalies of the other elements include values up to 505 ppm Cu, 1147 ppm As, 5.84% Fe, 183 ppm Zn, and 0.9 ppm Ag. Their distributions, collective areal extent and general trend roughly coincide with the overall gold anomaly pattern. Continuity of metal enrichment along a northeast elongation of the resultant multiple-element broad trend is revealed by elevated copper, iron and zinc. Strong narrow linear trends of these three elements, as well as arsenic, also coincide with or parallel the gold linears north and northwest of the Nesbitt Showing. These trends may be reflecting narrow but high-grade mineral structures with good strike-length potential.

5.3 ANOMALY EVALUATION AND FOLLOW-UP

Two Mondays in August were devoted to prospecting around selected gold soil anomalies and in the local area of the Fairfield Showing. Two reconnaissance rock samples were taken and their locations are shown on Figure 2. Two of the anomalous soil stations examined were resampled, at grid locations 600E/1600N and 1250E/1850N. All four samples were analyzed for Au, Ag, Cu, As, Zn and Fe.

Rock sample AU93-AR1, from a ten centimetre-wide iron-rich carbonate vein near grid 750E/1650N (27ppb Au), returned anomalous arsenic (183 ppm) but negligible gold results. Rock sample AU93-ER1, from altered volcanic outcrop at 605E/1470N near the Fairfield Showing, yielded 1104 ppm Cu but only 96 ppb Au. The two soil check samples confirmed original anomalies (Au, Cu, As, Fe) at their sites.

2400 N
2200 N
2000 N
1800 N
1600 N
1400 N
1200 N
1000 N
800 N
600 N
400 N
200 N
0 N

0 E
200 E
400 E
600 E
800 E
1000 E
1200 E
1400 E
1600 E
1800 E
2000 E

SYMBOLS

- LESS THAN OR EQUAL TO 10 PPB
- GREATER THAN 10 PPB
- GREATER THAN 20 PPB
- GREATER THAN 50 PPB

VALUES LESS THAN 5 PPB NOT PLOTTED

Note: Grid area keyed on Figure 2

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA A. E. A. BALON GEOSCIENTIST

FAIRFIELD MINERALS LTD.

AU PROPERTY

AU SOIL GEOCHEMISTRY

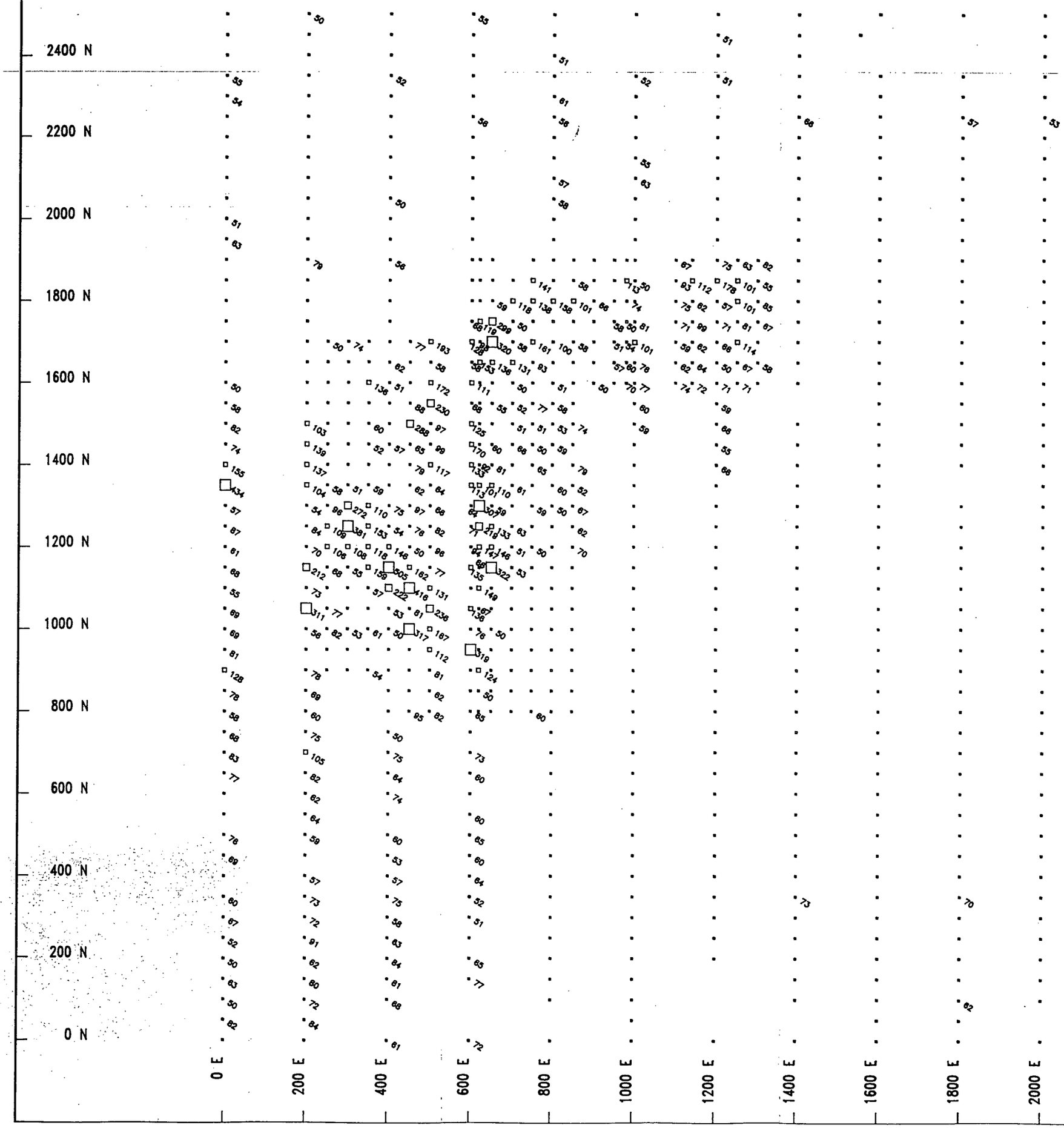
Nicola Mining Division
NTS 92H/16E

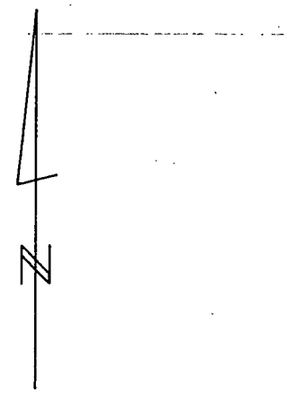
1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

July 1994

Figure 3



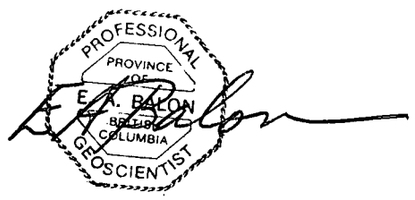


SYMBOLS

- · LESS THAN OR EQUAL TO 100 PPM
- ◘ GREATER THAN 100 PPM
- □ GREATER THAN 200 PPM
- □ GREATER THAN 300 PPM

VALUES LESS THAN 50 PPM NOT PLOTTED

Note: Grid keyed on Figure 2



FAIRFIELD MINERALS LTD.

AU PROPERTY

CU SOIL GEOCHEMISTRY

Nicola Mining Division
NTS 92H/15EW

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

July 1994

Figure 4

2400 N
2200 N
2000 N
1800 N
1600 N
1400 N
1200 N
1000 N
800 N
600 N
400 N
200 N
0 N

0 E
200 E
400 E
600 E
800 E
1000 E
1200 E
1400 E
1600 E
1800 E
2000 E

N

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
E. A. BALON
GEOSCIENTIST

SYMBOLS

- LESS THAN OR EQUAL TO 20 PPM
- GREATER THAN 20 PPM
- GREATER THAN 30 PPM
- GREATER THAN 50 PPM

VALUES LESS THAN 10 PPM NOT PLOTTED

Note: Grid area keyed on Figure 2

FAIRFIELD MINERALS LTD.

AU PROPERTY

AS SOIL GEOCHEMISTRY

Nicola Mining Division
NTS 92H/15EW

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

July 1994

Figure 5

2400 N
2200 N
2000 N
1800 N
1600 N
1400 N
1200 N
1000 N
800 N
600 N
400 N
200 N
0 N

0 E
200 E
400 E
600 E
800 E
1000 E
1200 E
1400 E
1600 E
1800 E
2000 E

SYMBOLS

- LESS THAN OR EQUAL TO 100 PPM
- GREATER THAN 100 PPM
- GREATER THAN 150 PPM
- GREATER THAN 200 PPM

VALUES LESS THAN 80 PPM NOT PLOTTED

Note: Grid area keyed on Figure 2

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
GEOSCIENTIST

FAIRFIELD MINERALS LTD.

AU PROPERTY

ZN SOIL GEOCHEMISTRY

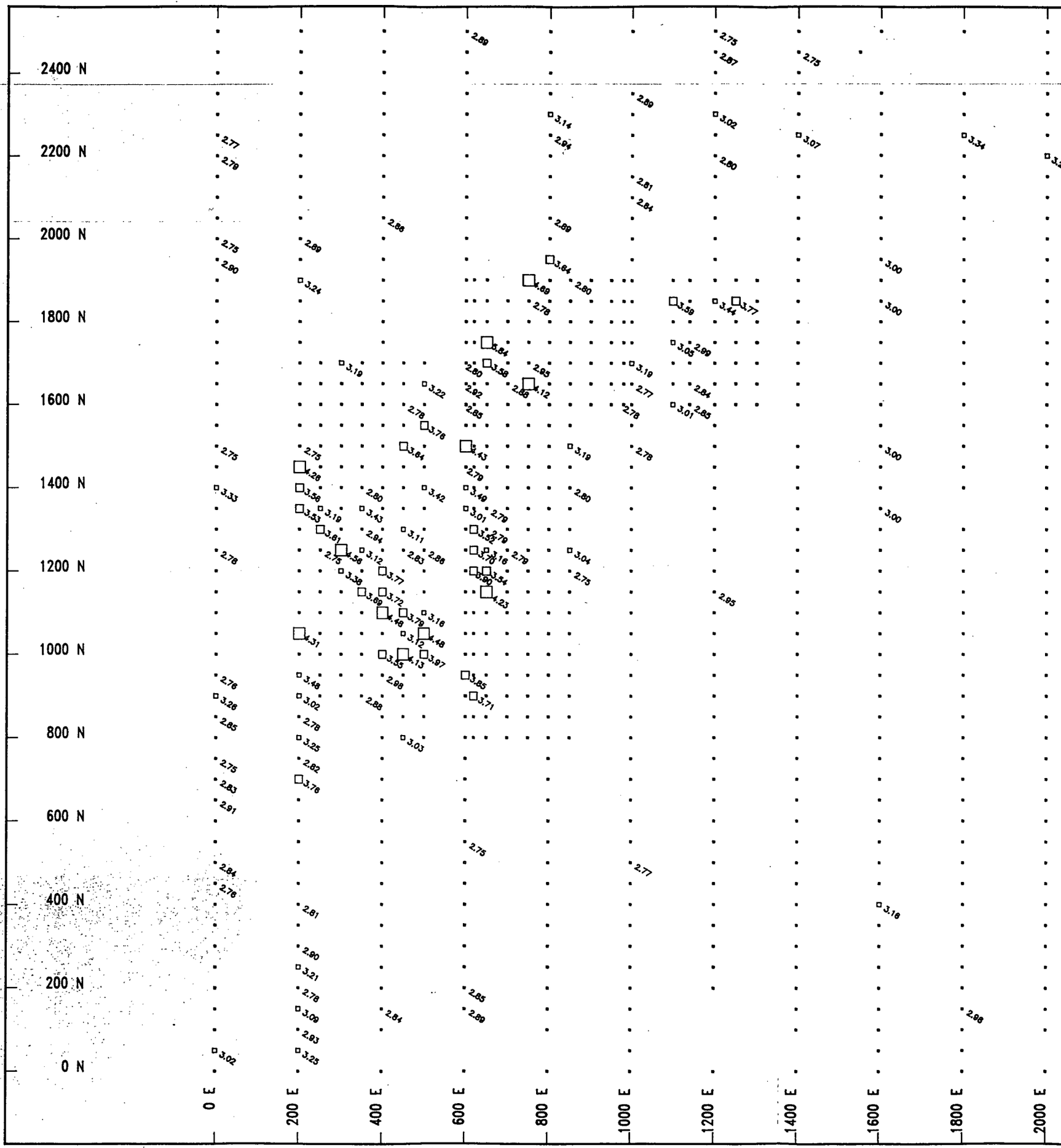
Nicola Mining Division
NTS 92H/15EW

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

July 1994

Figure 6



N

PROFESSIONAL ENGINEER
A. BALON
BRITISH COLUMBIA
GEOSCIENTIST

SYMBOLS

- · LESS THAN OR EQUAL TO 3 %
- ▫ GREATER THAN 3 %
- □ GREATER THAN 3.5%
- ■ GREATER THAN 4 %

VALUES LESS THAN 2.75% NOT PLOTTED

Note: Grid area keyed on Figure 2

FAIRFIELD MINERALS LTD.

AU PROPERTY

FE SOIL GEOCHEMISTRY

Nicola Mining Division
NTS 92H/15EW

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

July 1994

Figure 7

6.0 PERSONNEL

Dates Worked - 1993

J. Tindle, Sampler Whistler, B. C.	June 2-7, 29-30	1 day Travel (mob) 7 days Sampling
Y. Thornton, Sampler Whistler, B. C.	June 2-7, 29-30	1 day Travel (mob) 7 days Sampling
J.D. Rowe, P.Geo. North Vancouver, B.C.	June 1, 3, 26-27	4 days: Grid Layout (Baselines) Sampler orientation Plot geochem. results
H.E. Ewen, Prospector Burnaby, B. C.	August 29	1 day Prospecting
E. A. Balon, P.Geo. North Vancouver, B.C.	August 29	1 day Prospecting plus evaluation of results and report preperation.

7.0 STATEMENT OF COSTS

AU 1,2,4; FLIM and FLAM Claims

Salaries, Professional & Technical Services	$7,000
Geochemical Analysis	7,130
Rentals, Freight and Supplies	850
Food and Accomodation	2,550
Total Expenditures	$17,530

*****

8.0 REFERENCES

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Freeze, J.C. and White, G.E.:
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Laramide Resoures Ltd., Quilchena Resources Ltd. and Gerle Gold Ltd.:
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McGoran, J.P. :
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Ostler, J.:
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Quin, S.P.:
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von Rosen, G.E.:
1975: Drilling Report on the AU Claims (BC Assessment Report No. 5766)

Thorstad, L. E.:
1987: Report on the AU Property, for Algo Resources Limited (Unpublished Report)

9.0 STATEMENT OF QUALIFICATIONS

I, Edward A. Balon, of North Vancouver, British Columbia hereby certify that:

1. I am a prospector and geological/mining technician residing at 501 - 250 West First Street, and employed by Cordilleran Engineering Ltd. of 1980 - 1055 West Hastings Street, Vancouver, British Columbia V6E 2E9

2. I have received a Diploma in Mining Engineering Technology (integrated Geology, Mining and Metallurgy) from Nothern College - Haileybury School of Mines, Ontario in 1970.

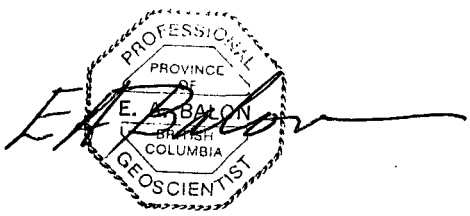
3. I have taken several Continuing Education Courses in Geoscience since 1970, including Exploration Geochemistry at the University of British Columbia, Vancouver, B. C. in 1984/85.

4. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, registration number 20265.

5. I have practiced my profession for twenty-four years in British Columbia, Yukon and Northwest Territories.

6. I am the author of this report and I supervised/conducted field evaluation of results from the June 1993 soil geochemical program on the AU property.

CORDILLERAN ENGINEERING LTD.



E. A. Balon, P.Geo

July 1994
Vancouver, B. C.

10.0 ANALYTICAL RESULTS

Acme Analytical Laboratories Ltd.
Vancouver, B. C.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT AU PROPERTY #1 File # 93-1085 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
0E 2500N	31	42	<.1	2.31	<2	5
0E 2450N	46	53	.3	2.35	<2	1
0E 2400N	34	56	.2	2.11	2	<1
0E 2350N	55	64	.2	2.60	3	1
0E 2300N	54	31	.2	2.44	2	2
0E 2250N	30	31	.1	2.77	3	1
0E 2200N	29	31	.1	2.79	2	<1
0E 2150N	49	33	.2	2.67	3	1
0E 2100N	41	37	<.1	2.43	<2	1
0E 2050N	27	66	.2	2.24	<2	1
0E 2000N	51	53	.1	2.75	<2	1
0E 1950N	63	60	.2	2.90	2	2
0E 1900N	22	74	.1	1.89	<2	<1
0E 1850N	28	41	<.1	2.01	<2	2
0E 1800N	37	42	.2	2.51	<2	1
0E 1750N	42	53	.2	2.55	<2	1
0E 1700N	31	38	.2	2.36	<2	1
RE 0E 1000N	72	61	.1	2.67	<2	2
0E 1650N	46	63	.2	2.32	<2	2
0E 1600N	50	57	.2	2.44	<2	1
0E 1550N	58	79	.3	2.72	3	2
0E 1500N	82	79	.1	2.75	8	1
0E 1450N	74	62	.2	2.51	<2	1
0E 1400N	155	53	.3	3.33	5	3
0E 1350N	434	24	.3	1.01	3	1
0E 1300N	57	48	.2	2.47	4	1
0E 1250N	87	66	.2	2.78	16	5
0E 1200N	61	58	.1	2.37	9	3
0E 1150N	68	75	<.1	1.99	2	2
0E 1100N	55	77	<.1	2.14	5	9
0E 1050N	69	63	.2	2.44	8	4
0E 1000N	69	61	.2	2.63	2	2
0E 950N	81	47	.2	2.76	<2	7
0E 900N	128	74	.2	3.26	<2	6
0E 850N	78	57	<.1	2.85	2	3
0E 800N	58	61	<.1	2.53	4	1
0E 750N	68	61	<.1	2.75	15	5
STANDARD C/AU-S	63	126	6.9	3.96	39	50

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 10 1993 **DATE REPORT MAILED:** Jun 16, 93 **SIGNED BY.** ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb	Au* ppb	
0E 700N	83	79	<.1	2.83	24	11	-	
0E 650N	77	50	<.1	2.91	7	2	-	
0E 600N	41	41	<.1	2.52	4	4	-	
0E 550N	36	58	<.1	2.44	2	2	-	
0E 500N	76	59	<.1	2.84	2	2	-	
0E 450N	69	71	<.1	2.76	3	1	-	
0E 400N	38	49	<.1	2.63	4	<1	-	
0E 350N	60	67	.1	2.55	3	2	-	
0E 300N	67	86	.1	2.74	5	<1	-	
0E 250N	52	70	.1	2.48	3	2	-	
0E 200N	50	56	<.1	2.35	3	1	-	
0E 150N	63	59	.2	2.65	2	1	-	
0E 100N	50	68	.1	2.64	<2	<1	-	
0E 50N	82	67	.2	3.02	6	45	-	
RE 0E 50N	83	69	.3	3.11	6	1	-	
0E 0N	49	72	.1	2.52	5	<1	-	
200E 2500N	50	56	<.1	2.43	3	<1	-	
200E 2450N	37	54	<.1	2.13	<2	<1	2	*
200E 2400N	40	47	<.1	2.19	2	<1	1	
200E 2350N	24	44	<.1	2.29	<2	180	2	
200E 2300N	35	41	<.1	2.32	<2	1	1	
200E 2250N	47	40	<.1	2.67	3	2	2	
200E 2200N	37	75	.1	1.78	2	<1	<1	
200E 2150N	47	74	.1	2.69	2	1	1	
200E 2100N	25	74	<.1	2.21	2	440	<1	
200E 2050N	32	115	<.1	1.93	2	6	<1	
200E 2000N	35	31	<.1	2.89	5	3	-	
200E 1950N	39	35	<.1	2.58	<2	2	-	
200E 1900N	79	53	.2	3.24	2	6	-	
200E 1850N	41	45	.1	2.56	<2	2	-	
200E 1800N	38	54	.1	2.45	<2	1	-	
200E 1750N	33	45	.1	2.30	<2	1	-	
200E 1700N	31	41	.1	2.41	<2	4	-	
200E 1650N	44	43	.1	2.55	2	3	-	
200E 1600N	30	53	<.1	2.05	<2	<1	-	
200E 1550N	41	36	<.1	2.47	<2	5	-	
200E 1500N	103	110	.3	2.75	21	10	-	
STANDARD C/AU-S	56	124	6.8	3.96	38	46	-	

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

* Duplicate gold analysis

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
200E 1450N	139	80	.2	4.26	<2	2
RE 200E 1450N	141	81	.2	4.25	3	2
200E 1400N	137	66	.2	3.56	5	3
200E 1350N	104	77	.2	3.53	3	2
200E 1300N	54	64	<.1	2.05	10	1
200E 1250N	84	72	.1	2.30	16	5
200E 1200N	70	56	.1	1.99	18	3
200E 1150N	212	45	.2	2.71	<2	3
200E 1100N	73	69	.1	1.13	6	1
200E 1050N	311	83	.1	4.31	23	12
200E 1000N	56	103	<.1	2.73	2	9
200E 950N	49	54	<.1	3.48	<2	2
200E 900N	78	63	.1	3.02	4	2
200E 850N	69	43	<.1	2.78	<2	3
200E 800N	60	59	<.1	3.25	6	2
200E 750N	75	65	<.1	2.82	2	1
200E 700N	105	61	<.1	3.76	45	5
200E 650N	82	51	.1	2.63	18	5
200E 600N	62	44	<.1	2.46	<2	3
200E 550N	64	38	<.1	2.62	<2	2
200E 500N	59	60	<.1	2.70	<2	2
200E 450N	48	38	<.1	2.57	2	3
200E 400N	57	53	.1	2.81	<2	2
200E 350N	73	59	.1	2.69	5	2
200E 300N	72	87	.1	2.90	2	4
200E 250N	91	83	.2	3.21	9	8
200E 200N	62	71	<.1	2.78	<2	4
200E 150N	80	107	.1	3.09	17	2
200E 100N	72	151	.3	2.93	32	4
200E 50N	84	123	.2	3.25	26	3
200E 0N	40	76	.1	2.39	3	2
400E 2500N	35	46	<.1	2.69	<2	2
400E 2450N	42	45	<.1	2.36	2	2
400E 2400N	34	46	<.1	2.40	<2	1
400E 2350N	52	61	<.1	2.57	<2	2
400E 2300N	45	62	.1	2.33	2	1
400E 2250N	40	47	<.1	2.57	<2	3
STANDARD C/AU-S	62	127	7.1	3.96	39	46

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
400E 2200N	34	47	<.1	2.19	<2	1
400E 2150N	48	44	<.1	2.50	<2	1
400E 2100N	42	44	<.1	2.74	<2	2
400E 2050N	50	56	<.1	2.86	<2	1
400E 2000N	45	53	<.1	2.74	3	1
400E 1950N	38	33	<.1	2.32	<2	1
400E 1900N	56	43	<.1	2.27	2	1
400E 1850N	42	68	.1	2.08	<2	2
400E 1800N	39	101	<.1	2.19	2	<1
400E 1750N	31	94	<.1	2.05	3	1
400E 1700N	44	41	<.1	2.06	8	1
400E 1650N	62	86	.1	1.96	14	2
400E 1600N	51	88	<.1	2.49	5	2
400E 1550N	32	80	<.1	1.33	<2	<1
400E 1500N	46	51	<.1	1.99	<2	3
400E 1450N	57	55	<.1	2.41	4	2
400E 1400N	44	54	<.1	2.28	3	1
400E 1350N	40	52	<.1	2.51	2	1
RE 400E 1350N	40	51	<.1	2.55	<2	1
400E 1300N	75	68	.1	2.65	3	9
400E 1250N	54	76	.1	2.48	4	2
400E 1200N	146	98	.1	3.77	6	32
400E 1150N	505	118	.8	3.72	28	27
400E 1100N	222	140	.5	4.48	112	10
400E 1050N	53	74	<.1	2.12	29	6
400E 1000N	50	50	.1	3.55	15	5
400E 950N	47	50	<.1	2.98	5	1
400E 900N	39	46	<.1	2.45	<2	2
400E 850N	43	50	.1	2.31	2	2
400E 800N	39	42	.1	2.36	3	3
400E 750N	50	48	<.1	2.43	<2	3
400E 700N	75	64	.1	2.23	8	4
400E 650N	64	52	.1	2.25	5	3
400E 600N	74	58	<.1	2.69	3	5
400E 550N	42	54	<.1	2.52	<2	2
400E 500N	60	53	.1	2.26	4	1
400E 450N	53	62	<.1	2.36	2	1
STANDARD C/AU-S	62	125	7.1	3.96	41	49

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
400E 400N	57	55	<.1	2.36	8	1
400E 350N	75	52	.3	2.64	10	4
400E 300N	58	54	<.1	2.13	2	1
400E 250N	63	55	.1	2.42	4	5
400E 200N	84	58	.1	2.26	<2	3
400E 150N	81	58	<.1	2.84	6	5
400E 100N	68	54	.1	2.53	<2	1
400E 0N	61	50	<.1	2.19	6	1
600E 2500N	55	75	<.1	2.89	<2	1
600E 2450N	47	84	.1	2.44	<2	1
600E 2400N	32	45	<.1	2.32	<2	<1
600E 2350N	40	48	<.1	2.26	<2	1
600E 2300N	32	72	<.1	2.17	<2	<1
600E 2250N	56	52	.1	1.93	<2	1
600E 2200N	37	73	.1	2.07	3	<1
600E 2150N	41	47	<.1	2.21	<2	<1
600E 2100N	46	62	<.1	2.18	<2	<1
600E 2050N	46	41	<.1	2.50	<2	1
600E 2000N	47	48	.1	2.58	<2	1
600E 1950N	45	48	<.1	2.58	2	1
600E 1900N	33	27	<.1	2.24	7	1
600E 1850N	31	78	.1	1.85	<2	2
RE 600E 1850N	32	79	.1	1.79	<2	4
600E 1800N	46	74	<.1	2.12	3	<1
600E 1750N	68	142	<.1	1.42	7	<1
600E 1700N	128	91	<.1	2.80	86	5
600E 1650N	58	78	<.1	2.92	43	10
600E 1600N	111	114	.2	2.85	355	47
600E 1550N	68	56	<.1	2.60	30	11
600E 1500N	125	95	<.1	4.43	132	10
600E 1450N	170	152	<.1	2.79	31	6
600E 1400N	133	125	.1	3.49	45	13
600E 1350N	113	119	<.1	3.01	58	8
600E 1300N	64	48	<.1	2.63	21	3
600E 1250N	71	43	<.1	2.53	23	5
600E 1200N	94	65	.1	2.35	35	5
600E 1150N	135	158	.1	2.14	18	2
STANDARD C/AU-S	64	127	7.3	3.96	39	47

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
600E 1100N	35	90	<.1	1.38	7	<1
600E 1050N	136	51	.1	1.85	31	3
600E 1000N	76	109	.1	1.87	18	7
600E 950N	319	70	.9	3.85	215	370
600E 900N	27	45	<.1	2.23	9	6
600E 850N	34	60	<.1	2.27	6	10
600E 800N	65	58	<.1	2.71	15	9
600E 750N	45	67	<.1	2.06	<2	2
600E 700N	73	62	<.1	2.71	4	2
600E 650N	60	53	<.1	2.27	10	1
600E 600N	48	60	.1	2.19	<2	1
600E 550N	60	61	.1	2.75	3	1
600E 500N	65	61	<.1	2.62	<2	1
600E 450N	60	62	.2	2.50	2	2
600E 400N	64	79	.1	2.61	3	1
600E 350N	52	57	.1	2.33	<2	1
600E 300N	51	56	<.1	2.15	3	<1
600E 250N	40	52	.1	2.25	<2	<1
600E 200N	65	61	.1	2.85	3	3
600E 150N	77	61	<.1	2.89	6	1
600E 0N	72	66	.1	2.59	5	2
800E 2500N	42	56	.1	2.62	<2	1
800E 2450N	44	44	.1	2.61	<2	2
800E 2400N	51	65	<.1	2.59	2	1
800E 2350N	47	46	<.1	2.59	2	1
800E 2300N	61	48	<.1	3.14	<2	2
800E 2250N	56	47	.1	2.94	<2	6
800E 2200N	39	57	<.1	2.17	<2	2
800E 2150N	46	50	.1	2.61	<2	1
800E 2100N	57	55	.1	1.99	4	3
800E 2050N	58	50	.1	2.89	3	1
800E 2000N	46	55	.1	2.69	3	3
800E 1950N	15	112	<.1	3.64	7	2
800E 1900N	29	50	.1	2.62	<2	1
RE 800E 1900N	27	52	.1	2.68	<2	6
800E 1850N	46	177	.1	2.14	4	<1
800E 1800N	158	46	<.1	2.02	2	2
STANDARD C/AU-S	64	127	7.1	3.96	43	47

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
800E 1750N	37	101	.2	1.85	21	<1
800E 1700N	100	111	.3	2.08	80	3
800E 1650N	49	41	.1	2.48	6	3
800E 1600N	51	64	.2	2.33	2	2
800E 1550N	58	57	.1	2.71	9	2
800E 1500N	53	81	.1	2.15	9	1
800E 1450N	59	73	.1	2.57	15	7
RE 800E 1450N	59	71	.1	2.55	19	6
800E 1400N	48	87	.2	2.47	14	27
800E 1350N	60	72	.1	2.56	11	1
800E 1300N	50	71	.1	2.67	7	3
800E 1250N	39	50	.1	2.48	7	38
800E 1200N	36	39	.1	2.36	2	5
800E 1150N	16	50	.1	1.86	<2	14
800E 1100N	23	37	<.1	2.37	<2	2
800E 1050N	24	50	.1	2.27	<2	2
800E 1000N	39	49	.2	2.67	<2	2
800E 950N	39	49	.1	2.48	6	<1
800E 900N	47	49	.1	2.51	3	2
800E 850N	43	50	<.1	2.44	3	1
800E 800N	48	47	<.1	2.45	6	1
800E 750N	48	54	.1	2.46	2	1
800E 700N	30	47	<.1	2.28	2	1
800E 650N	42	59	.1	2.53	5	1
800E 600N	35	75	.1	2.27	<2	1
800E 550N	36	58	<.1	2.27	<2	<1
800E 500N	43	68	.1	2.43	<2	<1
800E 450N	34	56	.2	2.33	3	1
800E 400N	27	56	<.1	2.16	3	<1
800E 350N	20	69	.1	1.60	<2	2
800E 300N	30	49	.1	2.18	2	<1
800E 250N	25	49	<.1	2.14	4	1
800E 200N	26	47	<.1	2.18	<2	<1
800E 150N	34	52	.2	2.32	<2	2
800E 100N	30	46	.1	2.39	3	5
800E 0N	26	46	<.1	2.19	<2	<1
1000E 2500N	44	70	.1	2.15	4	1
STANDARD C/AU-S	60	126	7.0	3.96	40	52

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1000E 2350N	52	51	.1	2.89	2	<1
1000E 2300N	45	69	<.1	2.40	<2	2
1000E 2250N	43	49	.2	2.45	2	1
1000E 2200N	48	52	<.1	2.58	2	2
1000E 2150N	55	51	.2	2.81	2	1
1000E 2100N	63	45	.1	2.84	3	5
1000E 2050N	48	44	<.1	2.55	2	1
1000E 2000N	25	79	<.1	2.02	2	<1
1000E 1950N	20	87	<.1	2.05	<2	<1
1000E 1900N	22	64	<.1	2.05	<2	<1
1000E 1850N	50	35	<.1	2.04	3	2
1000E 1800N	44	101	.1	2.13	4	3
1000E 1750N	81	53	.3	2.61	5	1
1000E 1700N	101	57	.8	3.19	17	4
1000E 1650N	76	57	.2	2.77	14	6
1000E 1600N	77	58	.2	2.44	7	1
1000E 1550N	60	64	.1	2.53	<2	1
1000E 1500N	59	58	.1	2.78	2	1
1000E 1450N	49	48	<.1	2.33	<2	3
1000E 1400N	40	57	.1	2.34	<2	1
1000E 1350N	39	45	<.1	2.24	<2	2
1000E 1300N	32	58	<.1	2.47	2	1
1000E 1250N	32	53	<.1	1.93	<2	1
1000E 1200N	38	62	.1	2.21	<2	1
RE 1000E 1200N	39	63	<.1	2.20	3	<1
1000E 1150N	25	58	<.1	1.95	<2	<1
1000E 1100N	19	78	<.1	2.02	<2	1
1000E 1050N	28	58	<.1	2.56	<2	5
1000E 1000N	27	59	<.1	2.08	<2	1
1000E 950N	33	53	<.1	2.26	<2	1
1000E 900N	36	50	.1	2.53	<2	1
1000E 850N	34	57	.1	2.32	<2	1
1000E 800N	37	60	.1	2.47	<2	2
1000E 750N	35	55	<.1	2.36	<2	1
1000E 700N	41	54	.1	2.68	<2	1
1000E 650N	29	50	<.1	2.27	<2	<1
1000E 600N	34	57	<.1	2.31	<2	<1
STANDARD C/AU-S	57	124	6.6	3.96	39	48

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1000E 550N	41	46	.3	2.62	<2	<1
1000E 500N	46	51	.2	2.77	<2	<1
1000E 450N	27	44	.2	2.24	<2	<1
1000E 400N	39	54	.2	2.47	<2	<1
1000E 350N	38	55	<.1	2.39	<2	<1
1000E 300N	35	56	.3	2.49	2	<1
1000E 250N	37	65	.1	2.52	<2	<1
1000E 200N	43	58	.1	2.69	<2	<1
1000E 150N	26	49	<.1	2.39	<2	<1
1000E 100N	41	56	.2	2.54	<2	<1
1000E 50N	20	67	.2	2.08	<2	<1
1000E 0N	20	58	<.1	2.28	<2	<1
1200E 2500N	48	52	.1	2.75	<2	1
1200E 2450N	51	65	.3	2.87	<2	1
1200E 2400N	42	58	.3	2.69	<2	1
1200E 2350N	51	67	.4	2.66	<2	1
1200E 2300N	46	58	.1	3.02	2	1
1200E 2250N	48	61	.2	2.59	2	2
1200E 2200N	40	45	.2	2.80	2	2
1200E 2150N	28	67	.1	2.04	<2	1
1200E 2100N	27	33	.1	2.14	<2	1
1200E 2050N	34	60	.2	2.33	<2	<1
1200E 2000N	36	49	.2	2.07	<2	1
1200E 1950N	33	54	.1	2.17	<2	1
RE 1200E 1950N	35	56	<.1	2.25	<2	<1
1200E 1900N	75	79	.3	2.16	15	14
1200E 1850N	178	169	.5	3.44	69	3
1200E 1800N	57	102	.3	2.06	53	1
1200E 1750N	71	89	.2	2.20	40	6
1200E 1700N	66	75	.4	2.59	28	3
1200E 1650N	50	51	.2	2.50	4	8
1200E 1600N	71	73	.1	2.74	4	2
1200E 1550N	59	58	<.1	2.43	8	2
1200E 1500N	66	55	.1	2.74	2	1
1200E 1450N	55	65	.1	2.42	<2	1
1200E 1400N	66	56	<.1	2.63	<2	3
1200E 1350N	42	44	<.1	2.17	2	1
STANDARD C/AU-S	59	125	7.1	3.96	38	49

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb	Au* ppb	
1200E 1300N	20	50	<.1	1.74	2	1	-	
1200E 1250N	14	72	<.1	1.58	<2	<1	-	
1200E 1200N	12	73	<.1	1.84	<2	<1	-	
1200E 1150N	41	47	<.1	2.95	<2	2	-	
1200E 1100N	43	44	<.1	2.39	<2	3	-	
1200E 1050N	23	66	<.1	1.93	<2	2	-	
1200E 1000N	38	58	<.1	2.66	2	3	-	
1200E 950N	33	48	<.1	2.18	<2	11	-	
1200E 900N	39	54	<.1	2.67	<2	1	-	
1200E 850N	26	38	<.1	2.40	4	2	-	
1200E 800N	34	38	<.1	2.58	<2	1	-	
1200E 750N	30	37	<.1	2.28	<2	3	-	
1200E 700N	25	53	<.1	2.29	2	1	-	
1200E 650N	22	49	<.1	2.26	2	1	-	
1200E 600N	23	67	<.1	2.22	<2	50	-	
1200E 550N	17	79	<.1	1.94	<2	1	-	
1200E 500N	20	55	<.1	2.19	<2	2	-	
1200E 450N	18	89	<.1	1.86	2	1	-	
RE 1200E 450N	17	88	<.1	1.87	2	1	-	
1200E 400N	28	47	<.1	2.39	2	2	-	
1200E 350N	30	52	<.1	2.33	<2	2	-	
1200E 300N	38	60	<.1	2.34	<2	4	-	
1200E 250N	20	56	.1	2.22	<2	38	-	
1200E 200N	25	41	<.1	2.38	<2	2	-	
1200E 0N	18	48	.1	2.26	<2	1	-	
1400E 2500N	45	60	.1	2.59	<2	1	-	
1400E 2450N	36	48	<.1	2.75	4	2	-	
1400E 2400N	35	55	.1	2.35	<2	2	-	
1400E 2350N	39	71	.1	1.94	<2	2	-	
1400E 2300N	47	75	.1	2.45	3	2	12	
1400E 2250N	66	70	.2	3.07	2	4	1	
1400E 2200N	33	59	<.1	2.29	2	1	1	*
1400E 2150N	43	53	.1	2.24	<2	550	1	
1400E 2100N	37	71	<.1	2.05	3	3	1	
1400E 2050N	27	61	.1	1.98	<2	3	1	
1400E 2000N	42	30	.1	2.58	<2	5	<1	
1400E 1950N	15	44	<.1	2.16	<2	2	-	
STANDARD C/AU-S	58	124	6.8	3.96	38	46	-	

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

* Duplicate gold analysis

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1400E 1900N	17	70	<.1	2.04	<2	11
1400E 1850N	18	46	<.1	2.18	<2	1
1400E 1800N	18	30	<.1	2.11	<2	5
1400E 1750N	21	41	<.1	2.11	<2	2
1400E 1700N	27	55	<.1	2.31	3	1
1400E 1650N	20	62	<.1	2.26	<2	<1
1400E 1600N	19	64	<.1	2.07	<2	1
1400E 1500N	17	67	.1	2.31	<2	<1
1400E 1450N	17	78	.1	2.26	<2	<1
1400E 1400N	14	61	.1	2.02	<2	1
1400E 1350N	27	42	<.1	2.31	<2	1
1400E 1300N	21	43	.1	2.30	2	<1
1400E 1250N	20	51	<.1	2.25	<2	1
1400E 1200N	19	40	<.1	2.12	2	1
1400E 1150N	29	56	.1	2.61	<2	1
1400E 1100N	22	56	.1	2.29	<2	2
1400E 1050N	26	68	<.1	2.48	<2	1
1400E 1000N	23	48	<.1	2.59	<2	1
1400E 950N	36	55	<.1	2.50	2	1
1400E 900N	26	59	<.1	2.24	<2	1
1400E 850N	24	56	<.1	2.15	<2	1
RE 1400E 850N	23	54	.1	2.08	<2	2
1400E 800N	23	45	.1	2.40	<2	1
1400E 750N	19	52	<.1	2.01	<2	2
1400E 700N	23	92	.1	2.10	<2	1
1400E 650N	22	49	.1	2.39	2	1
1400E 600N	23	57	.1	2.18	2	<1
1400E 550N	19	84	.1	2.02	2	<1
1400E 500N	18	51	.1	2.00	2	2
1400E 450N	20	46	.1	1.98	2	19
1400E 400N	23	55	.2	2.20	<2	1
1400E 350N	73	51	.3	1.63	<2	2
1400E 300N	22	59	<.1	2.16	<2	1
1400E 250N	19	56	.2	2.00	<2	3
1400E 200N	28	50	.1	2.34	<2	1
1400E 150N	10	46	<.1	1.07	<2	1
1400E 100N	22	46	.1	2.24	<2	<1
STANDARD C/AU-S	60	126	6.8	3.96	40	46

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1400E 0N	24	64	.1	2.46	<2	3
1550E 2450N	40	67	.1	3.12	<2	<1
1600E 2500N	38	58	<.1	2.58	2	1
1600E 2350N	33	55	.1	2.34	<2	<1
1600E 2300N	34	64	<.1	2.13	<2	<1
1600E 2250N	27	44	.2	2.37	<2	2
1600E 2200N	33	31	.2	2.06	<2	<1
RE 1600E 2200N	35	32	.2	2.14	<2	1
1600E 2150N	33	89	.2	1.93	<2	<1
1600E 2100N	25	62	.1	2.09	<2	<1
1600E 2050N	24	87	<.1	2.18	<2	1
1600E 2000N	17	75	.2	1.85	<2	<1
1600E 1950N	16	50	.3	1.96	<2	8
1600E 1900N	9	52	.1	1.75	<2	2
1600E 1850N	11	61	.3	1.85	<2	1
1600E 1800N	20	35	.2	2.09	2	2
1600E 1750N	19	34	.2	2.07	<2	1
1600E 1700N	11	63	.2	1.82	<2	<1
1600E 1650N	14	44	.1	2.08	<2	<1
1600E 1600N	18	54	.1	2.13	<2	1
1600E 1550N	22	47	.2	2.18	<2	6
1600E 1500N	11	37	.3	2.08	<2	3
1600E 1450N	15	39	.2	1.93	<2	1
1600E 1400N	31	85	.1	2.44	<2	<1
1600E 1350N	47	97	.3	2.56	<2	6
1600E 1350N dup.	12	50	<.1	1.83	<2	<1
1600E 1300N	19	86	<.1	1.83	2	<1
1600E 1250N	14	84	.1	1.87	<2	<1
1600E 1200N	14	77	.2	1.90	<2	1
1600E 1150N	14	62	<.1	2.05	<2	5
1600E 1100N	10	124	.1	1.64	<2	<1
1600E 1050N	15	98	<.1	1.66	<2	<1
1600E 1000N	36	80	<.1	1.93	<2	2
1600E 950N	13	74	<.1	2.16	<2	<1
1600E 900N	23	60	.1	2.34	<2	1
1600E 850N	24	60	.1	2.50	2	2
1600E 800N	21	73	.1	2.53	2	<1
1600E 750N	19	57	<.1	2.29	<2	<1
STANDARD C/AU-S	63	129	7.6	3.96	40	52

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1600E 700N	22	43	.1	2.38	9	2
1600E 650N	20	47	<.1	2.39	2	1
1600E 600N	19	49	.1	2.20	4	<1
1600E 550N	23	59	<.1	2.46	4	4
1600E 500N	29	49	.1	2.58	2	1
1600E 450N	24	45	<.1	2.29	<2	<1
1600E 400N	48	59	.2	3.16	7	1
1600E 350N	25	46	.1	2.56	2	<1
1600E 300N	23	46	<.1	2.38	5	1
1600E 250N	19	48	<.1	2.38	2	3
1600E 200N	20	41	.1	2.28	6	<1
1600E 150N	23	54	.1	2.48	8	1
1600E 100N	26	55	.1	2.45	<2	1
1600E 50N	23	64	.1	2.16	5	<1
1600E 0N	14	47	<.1	2.03	<2	<1
1800E 2500N	31	53	.1	2.44	7	1
1800E 2350N	38	47	.2	2.53	<2	<1
1800E 2300N	29	80	<.1	2.20	<2	<1
1800E 2250N	57	60	.1	3.34	6	2
1800E 2200N	37	43	.1	2.51	3	1
1800E 2150N	23	69	.1	1.75	<2	<1
1800E 2100N	21	69	.2	1.93	<2	<1
1800E 2050N	25	79	<.1	2.19	4	<1
1800E 2000N	12	31	.1	1.93	<2	<1
1800E 1950N	17	32	.1	2.27	3	<1
RE 1800E 1950N	16	29	<.1	2.20	<2	1
1800E 1900N	13	38	<.1	1.88	<2	<1
1800E 1850N	15	32	<.1	2.08	3	<1
1800E 1800N	23	32	.1	2.31	4	1
1800E 1750N	10	30	.1	1.64	5	<1
1800E 1700N	12	43	<.1	1.84	2	<1
1800E 1650N	17	55	.1	1.91	3	1
1800E 1600N	7	47	.1	1.81	<2	3
1800E 1550N	11	42	.2	1.87	9	3
1800E 1500N	10	38	.1	1.67	<2	<1
1800E 1450N	11	33	<.1	1.96	<2	<1
1800E 1400N	9	49	.1	1.53	<2	<1
STANDARD C/AU-S	62	128	7.4	3.96	41	47

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
1800E 1300N	10	46	.1	1.82	<2	<1
1800E 1250N	9	40	<.1	1.91	<2	<1
1800E 1200N	12	56	.1	1.70	<2	<1
1800E 1150N	9	39	<.1	1.94	<2	<1
1800E 1100N	14	33	<.1	2.17	<2	<1
1800E 1050N	8	30	<.1	1.75	<2	<1
1800E 1000N	9	31	.1	1.94	<2	<1
1800E 950N	13	25	<.1	1.87	<2	<1
1800E 900N	8	50	<.1	1.71	<2	<1
1800E 850N	10	41	<.1	1.97	<2	<1
1800E 800N	16	43	.1	2.15	<2	1
1800E 750N	13	50	.1	2.08	<2	<1
1800E 700N	16	37	.1	2.40	2	2
1800E 650N	19	31	.1	2.34	<2	1
1800E 600N	21	38	.1	2.33	2	1
1800E 550N	36	47	.1	2.73	2	1
1800E 500N	38	44	<.1	2.01	<2	1
1800E 450N	44	34	.1	1.89	<2	<1
1800E 400N	25	33	.1	2.29	<2	3
1800E 350N	70	38	.2	1.45	<2	3
1800E 300N	22	41	<.1	2.18	<2	6
1800E 250N	22	37	.1	2.49	<2	1
1800E 200N	21	49	.1	2.39	<2	<1
1800E 150N	25	46	.1	2.98	3	<1
1800E 100N	62	32	.1	1.53	<2	1
RE 1800E 100N	62	32	.2	1.51	<2	<1
1800E 50N	27	40	<.1	2.18	<2	1
1800E 0N	31	68	.1	2.38	<2	2
2000E 2500N	29	79	<.1	2.50	<2	<1
2000E 2450N	28	60	<.1	2.21	<2	4
2000E 2400N	37	65	.2	2.70	<2	1
2000E 2350N	32	70	.1	2.45	<2	1
2000E 2300N	32	86	<.1	2.21	2	<1
2000E 2250N	53	48	.2	1.97	2	<1
2000E 2200N	46	34	.1	3.27	5	1
2000E 2150N	29	80	<.1	2.34	2	1
2000E 2100N	18	61	<.1	2.03	<2	1
STANDARD C/AU-S	60	125	6.8	3.96	38	45

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
2000E 2050N	19	72	.1	2.25	8	<1
2000E 2000N	14	81	<.1	2.01	<2	2
2000E 1950N	16	58	<.1	2.32	6	11
2000E 1900N	14	34	<.1	2.09	2	2
2000E 1850N	14	47	<.1	1.97	8	1
2000E 1800N	13	51	<.1	1.85	4	1
2000E 1750N	12	43	<.1	1.75	<2	1
2000E 1700N	10	68	<.1	1.55	2	1
2000E 1650N	12	50	<.1	2.15	<2	<1
RE 2000E 1650N	13	48	.1	2.08	<2	1
2000E 1600N	13	40	.1	1.91	<2	1
2000E 1550N	13	62	<.1	1.72	<2	1
2000E 1500N	17	60	.1	2.21	<2	1
2000E 1450N	12	56	.1	2.15	2	3
2000E 1400N	11	53	<.1	1.94	<2	1
2000E 1350N	12	41	<.1	2.02	4	1
2000E 1300N	17	45	.1	2.39	2	1
2000E 1250N	22	50	.1	2.06	10	1
2000E 1200N	17	60	<.1	1.79	5	7
2000E 1150N	16	63	.2	2.01	2	29
2000E 1100N	37	58	.2	2.71	8	2
2000E 1050N	13	86	.1	1.85	<2	7
2000E 1000N	11	36	<.1	1.83	<2	2
2000E 950N	13	38	.1	1.89	4	2
2000E 900N	11	54	.1	1.67	<2	1
2000E 850N	14	35	.1	1.99	<2	1
2000E 800N	15	41	<.1	2.01	<2	1
2000E 750N	20	46	<.1	2.07	2	3
2000E 700N	20	35	<.1	1.99	<2	2
2000E 650N	18	36	<.1	2.11	<2	1
2000E 600N	20	40	<.1	2.21	<2	2
2000E 550N	13	36	<.1	2.29	<2	1
2000E 500N	11	44	<.1	1.70	<2	2
2000E 450N	18	36	<.1	2.17	6	3
2000E 400N	14	60	<.1	2.09	2	1
2000E 350N	12	55	<.1	1.91	<2	1
2000E 300N	14	44	<.1	2.12	5	1
STANDARD C/AU-S	62	126	7.1	3.96	42	47

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
2000E 250N	10	51	<.1	1.76	<2	1
2000E 200N	10	29	.1	1.58	3	<1
2000E 150N	13	31	.1	1.87	<2	1
2000E 100N	9	38	.1	1.43	<2	1
2000E 0N	14	43	.1	1.76	2	2
RE 2000E 0N	14	47	.1	1.74	2	1
STANDARD C/AU-S	61	127	7.2	3.96	41	48

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT AU #6 File # 93-1355 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
250E 1700N	50	71	<.1	2.71	6	1
250E 1650N	47	63	<.1	2.42	2	<1
250E 1600N	34	51	<.1	2.09	<2	<1
250E 1550N	49	53	<.1	2.45	2	<1
250E 1500N	38	66	<.1	2.21	<2	<1
250E 1450N	27	50	<.1	2.16	2	<1
250E 1400N	31	33	<.1	2.13	4	<1
250E 1350N	58	50	<.1	3.19	5	<1
250E 1300N	96	71	.4	3.61	6	3
RE 250E 1300N	100	71	.3	3.62	5	3
250E 1250N	109	58	.1	2.75	20	4
250E 1200N	106	74	.1	2.54	36	5
250E 1150N	68	108	<.1	2.03	28	4
250E 1100N	44	94	<.1	1.79	10	1
250E 1050N	77	84	.1	2.26	17	1
250E 1000N	82	95	<.1	2.26	18	13
250E 950N	43	92	<.1	2.29	9	6
250E 900N	34	50	<.1	2.03	2	2
300E 1700N	74	66	<.1	3.19	7	3
300E 1650N	38	55	<.1	2.25	<2	<1
300E 1600N	46	46	.1	2.44	2	1
300E 1550N	49	59	<.1	2.62	<2	1
300E 1500N	44	78	<.1	2.20	<2	<1
300E 1450N	36	84	<.1	1.95	4	<1
300E 1400N	43	51	<.1	2.35	2	69
300E 1350N	51	54	<.1	2.28	5	4
300E 1300N	272	70	.2	.81	9	<1
300E 1250N	381	92	.4	4.56	12	20
300E 1200N	108	53	.1	3.38	8	4
300E 1150N	55	93	<.1	1.45	17	1
300E 1100N	43	113	<.1	1.68	8	1
300E 1050N	44	71	<.1	2.60	12	2
300E 1000N	53	73	<.1	2.40	13	5
300E 950N	30	78	<.1	1.99	4	1
300E 900N	32	52	.1	2.03	3	1
350E 1700N	35	75	<.1	2.20	6	1
350E 1650N	48	109	<.1	1.67	10	7
STANDARD C/AU-S	61	125	6.8	3.96	39	52

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 30 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 2 1993 **DATE REPORT MAILED:** July 8/93 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
350E 1600N	136	48	.2	1.98	19	8
350E 1550N	33	90	.2	1.99	<2	1
350E 1500N	60	68	.1	2.67	<2	4
350E 1450N	52	73	.2	2.46	<2	1
RE 450E 1450N	61	86	.1	2.17	4	1
350E 1400N	43	62	<.1	2.80	<2	<1
350E 1350N	59	95	.2	3.43	24	8
350E 1300N	110	77	.1	2.94	2	5
350E 1250N	153	183	.4	3.12	24	150
350E 1200N *	118	152	.1	2.69	25	9
350E 1150N *	159	116	.2	3.69	4	10
350E 1100N	57	85	.1	2.44	6	3
350E 1050N *	43	72	.1	2.33	4	5
350E 1000N	61	106	.1	2.74	8	4
350E 950N *	35	64	.1	2.63	2	4
350E 900N	54	64	.2	2.88	<2	4
450E 1700N	77	131	.1	2.55	53	4
450E 1650N	42	81	.1	2.55	3	1
450E 1600N	47	48	<.1	2.78	<2	2
450E 1550N	88	174	.1	2.00	47	4
450E 1500N *	288	139	<.1	3.64	62	24
450E 1450N	65	89	.2	2.29	7	1
450E 1400N	79	88	.1	2.71	5	1
450E 1350N	62	75	.1	2.54	4	3
450E 1300N	97	102	<.1	3.11	5	2
450E 1250N *	76	100	<.1	2.83	9	2
450E 1200N	50	94	.1	2.61	23	2
450E 1150N	162	78	.1	2.62	33	5
450E 1100N	416	81	<.1	3.79	17	9
450E 1050N	81	124	.1	3.12	24	7
450E 1000N	317	83	.2	4.13	3	260
450E 950N	29	94	<.1	2.27	<2	2
450E 900N	39	62	<.1	2.65	2	7
450E 850N	39	50	.1	2.70	7	8
450E 800N	95	50	.1	3.03	18	15
500E 1700N *	193	116	.2	2.41	59	3
500E 1650N	58	72	.1	3.22	<2	4
STANDARD C/AU-S	62	137	7.0	4.09	42	52

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
500E 1600N	172	135	.2	2.30	54	12
500E 1550N	230	121	.3	3.76	220	3
500E 1500N	97	72	.1	1.79	54	2
500E 1450N	99	78	.1	1.87	41	6
RE 500E 1300N	68	112	.1	2.07	20	1
500E 1400N	117	66	.1	3.42	46	7
500E 1350N	64	63	.2	2.52	16	3
500E 1300N	66	111	.1	2.12	16	2
500E 1250N	82	111	.1	2.86	21	3
500E 1200N	96	124	.1	2.51	56	4
500E 1150N	77	62	<.1	2.57	34	1
500E 1100N	131	101	<.1	3.16	50	3
500E 1050N	236	153	<.1	4.48	67	12
500E 1000N *	167	96	<.1	3.97	65	13
500E 950N	112	97	.1	2.68	35	39
500E 900N *	81	153	.1	2.71	50	4
500E 850N	62	76	<.1	2.69	27	18
500E 800N	82	68	<.1	2.49	34	19
620E 1900N	41	45	<.1	2.67	5	1
620E 1850N	22	68	<.1	1.52	3	1
620E 1800N *	22	89	<.1	2.07	3	4
620E 1750N	119	124	.1	2.30	14	1
620E 1700N	98	75	.1	2.51	89	1
620E 1650N	153	106	.1	2.46	610	5
620E 1600N	47	65	<.1	2.47	28	6
620E 1550N	37	60	<.1	2.34	13	1
620E 1500N	48	50	<.1	2.34	13	4
620E 1450N	37	47	<.1	2.03	27	16
620E 1400N	92	63	<.1	2.71	40	20
620E 1350N	101	114	<.1	1.70	23	7
620E 1300N	307	183	.2	3.52	298	5
620E 1250N	219	132	.1	3.70	249	4
620E 1200N	147	122	<.1	3.90	320	10
620E 1150N	66	62	<.1	2.58	22	2
620E 1100N	149	121	.1	2.39	42	1
620E 1050N	67	93	.1	1.74	19	1
620E 1000N	31	39	.1	1.58	5	1
STANDARD C/AU-S	59	125	6.8	3.96	42	49

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
620E 950N	39	43	<.1	2.57	4	9
620E 900N	124	99	.4	3.71	11	6
620E 850N	50	43	<.1	2.55	2	1
620E 800N	42	52	<.1	2.48	6	<1
650E 1900N *	32	34	<.1	2.14	<2	1
RE 650E 1550N *	57	51	<.1	2.57	<2	2
650E 1850N	14	86	<.1	1.58	2	<1
650E 1800N	59	64	<.1	1.98	2	<1
650E 1750N	299	98	.7	5.84	1147	3
650E 1700N	320	101	<.1	3.58	78	2
650E 1650N	136	75	.1	2.39	18	6
650E 1600N	45	49	<.1	2.45	6	2
650E 1550N	55	49	<.1	2.50	3	3
650E 1500N	43	42	<.1	2.09	2	<1
650E 1450N *	60	34	<.1	2.00	4	4
650E 1400N	81	62	.1	2.57	18	12
650E 1350N	110	77	.1	2.79	13	5
650E 1300N	59	54	<.1	2.79	6	2
650E 1250N	133	98	.1	3.16	24	20
650E 1200N	146	114	.1	3.54	210	9
650E 1150N *	322	71	.2	4.23	30	11
650E 1100N	42	69	<.1	2.32	6	2
650E 1050N	33	39	.1	2.45	<2	1
650E 1000N	50	127	<.1	2.25	5	1
650E 950N	23	54	<.1	2.17	<2	1
650E 900N	32	58	<.1	2.19	<2	1
650E 850N	44	50	<.1	2.61	4	2
650E 800N	41	47	<.1	2.34	3	2
700E 1850N *	25	121	<.1	2.14	3	3
700E 1800N	118	114	.2	2.38	6	3
700E 1750N	50	89	.1	1.64	6	2
700E 1700N	58	157	.1	2.52	3	3
700E 1650N *	131	84	.2	2.88	3	7
700E 1600N	50	59	<.1	2.52	<2	3
700E 1550N	52	62	<.1	2.35	<2	17
700E 1500N	51	65	<.1	2.56	<2	3
700E 1450N	66	62	<.1	2.44	<2	3
STANDARD C/AU-S	63	125	6.8	3.96	39	52

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
700E 1400N	47	66	<.1	2.24	2	1
700E 1350N *	61	73	<.1	2.69	<2	1
700E 1300N	47	69	<.1	2.28	2	<1
700E 1250N	63	63	.1	2.79	4	1
700E 1200N	51	52	.3	1.21	2	<1
700E 1150N *	53	31	.1	.96	12	<1
700E 1100N *	30	49	.1	2.39	<2	1
700E 1050N *	29	39	<.1	2.43	<2	2
700E 1000N *	37	60	.1	2.41	<2	<1
700E 950N	28	66	.1	2.34	<2	2
700E 900N *	34	57	<.1	2.47	<2	3
700E 850N	49	61	<.1	2.52	<2	<1
700E 800N	48	54	<.1	2.52	<2	1
750E 1900N *	48	67	.2	4.69	8	5
750E 1850N	141	72	.1	2.78	8	1
750E 1800N	138	109	.2	2.44	5	6
750E 1750N	33	57	.1	1.49	6	1
750E 1700N	161	175	.2	2.95	14	3
750E 1650N	93	112	.3	4.12	54	27
750E 1600N	41	43	.1	2.50	<2	3
750E 1550N *	77	49	.1	2.66	<2	5
750E 1500N	51	57	.2	2.46	2	1
RE 750E 1200N	52	52	.1	2.72	7	2
750E 1450N	50	78	.2	2.15	2	2
750E 1400N	65	66	.1	2.43	10	2
750E 1350N	45	60	.2	2.28	<2	2
750E 1300N	59	53	.1	2.31	2	2
750E 1250N	40	52	.1	2.15	5	2
750E 1200N	50	50	.2	2.58	7	7
750E 1150N	31	39	.1	2.11	2	2
750E 1100N *	15	54	<.1	1.66	<2	3
750E 1050N *	30	37	<.1	2.53	<2	4
750E 1000N	30	49	.1	2.44	<2	1
750E 950N *	24	63	.1	2.33	<2	3
750E 900N	38	71	.1	2.23	<2	1
750E 850N	29	50	.2	1.99	<2	2
750E 800N *	60	77	<.1	2.46	<2	4
STANDARD C/AU-S	62	129	7.1	3.96	41	53

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
850E 1900N	39	73	.1	2.80	2	1
850E 1850N	58	137	.1	1.76	2	<1
850E 1800N	101	80	.2	1.99	6	1
850E 1750N	36	70	<.1	2.08	6	2
850E 1700N *	58	107	<.1	2.34	20	2
850E 1650N *	45	68	<.1	2.24	16	1
850E 1600N *	41	73	.1	2.00	11	1
850E 1550N	49	93	<.1	2.40	21	1
850E 1500N *	74	74	.1	3.19	61	3
850E 1450N	46	76	.2	2.32	7	2
850E 1400N *	79	69	.1	2.80	6	4
850E 1350N *	52	74	.1	2.63	4	2
850E 1300N	67	74	.1	2.37	<2	1
850E 1250N	62	56	<.1	3.04	5	2
850E 1200N *	70	38	.1	2.75	5	3
RE 900E 1600N	48	80	.1	2.21	<2	3
850E 1150N *	28	57	<.1	2.52	<2	1
850E 1100N	30	68	<.1	2.33	<2	<1
850E 1050N	30	55	.1	2.33	<2	1
850E 1000N *	31	55	.2	2.21	2	1
850E 950N *	29	57	<.1	2.39	<2	1
850E 900N *	33	62	.2	2.50	<2	1
850E 850N *	34	61	<.1	2.38	2	1
850E 800N *	35	61	.1	2.54	<2	1
900E 1900N *	41	65	.2	2.14	<2	21
900E 1850N	39	58	.2	1.80	<2	2
900E 1800N	66	87	.3	1.77	4	3
900E 1750N	42	80	.1	1.93	4	3
900E 1700N	34	52	.1	2.07	<2	3
900E 1650N	33	57	.1	1.81	<2	5
900E 1600N	50	85	.1	2.28	2	2
950E 1900N	37	43	.1	1.73	<2	3
950E 1850N	34	49	.1	1.75	<2	2
950E 1800N	30	33	.1	1.82	<2	1
950E 1750N	58	62	.3	1.89	11	6
950E 1700N	51	55	.2	2.29	<2	1
950E 1650N	57	56	.1	2.29	<2	1
950E 1600N	44	44	.1	2.18	<2	1
STANDARD C/AU-S	62	129	7.4	3.96	41	46

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

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
980E 1900N	47	112	.1	2.17	2	1
980E 1850N	113	57	.9	1.82	7	<1
980E 1800N	74	47	.3	2.36	4	1
980E 1750N	50	69	.5	2.74	<2	<1
980E 1700N	54	88	.1	2.63	2	<1
980E 1650N	60	68	.2	2.67	3	1
980E 1600N	70	55	.1	2.78	<2	<1
1100E 1900N	67	56	.2	2.47	4	2
1100E 1850N	93	114	.2	3.59	21	38
1100E 1800N	75	101	.6	2.34	56	15
1100E 1750N	71	83	.2	3.05	28	3
1100E 1700N	59	72	.3	2.53	12	2
1100E 1650N	62	78	.2	2.60	2	1
1100E 1600N	74	76	.4	3.01	3	1
1140E 1900N	44	65	.3	2.15	<2	1
1140E 1850N	112	133	.3	2.46	28	2
1140E 1800N	62	131	.1	2.11	7	<1
1140E 1750N	99	105	.7	2.99	69	1
1140E 1700N	62	80	.2	2.32	10	3
1140E 1650N	64	69	.2	2.84	4	2
1140E 1600N	72	78	.6	2.85	5	1
1250E 1900N	63	111	.4	2.17	8	1
1250E 1850N *	101	93	.3	2.94	33	81
1250E 1800N	101	115	.2	2.41	23	1
1250E 1750N	81	109	.3	2.52	277	1
1250E 1700N	114	106	.1	2.42	17	2
1250E 1650N	67	96	.2	2.65	11	22
RE 1250E 1650N	67	98	.1	2.66	10	2
1250E 1600N	71	71	.2	2.62	16	7
1300E 1900N	82	112	.1	2.49	10	34
1300E 1850N	55	91	.3	2.04	3	3
1300E 1800N	85	98	.2	2.38	4	6
1300E 1750N *	67	77	<.1	2.14	14	2
1300E 1700N	48	69	<.1	2.07	2	2
1300E 1650N	58	74	.5	2.15	8	3
1300E 1600N *	49	68	.2	2.52	10	2
STANDARD C/AU-S	64	139	7.6	4.09	41	51

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

* 15g used for Au due to small 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

Cordilleran Engineering Ltd. PROJECT AU #3 File # 93-2287 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: E.A. Balon

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb
AU93-AR1	80	49	.2	5.05	183	5
AU93-ER1	1104	54	2.4	5.71	30	96

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 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

DATE RECEIVED: SEP 2 1993 **DATE REPORT MAILED:** Sept 10/93 . **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu ppm	Zn ppm	Ag ppm	Fe %	As ppm	Au* ppb (10gm)
AU 600E 1600N	155	110	.4	4.02	715	56
AU 1250E 1850N	179	61	.4	3.77	86	27
RE AU 1250E 1850N	187	59	.4	3.86	83	23

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