1994
GEOCHEMICAL AND TRENCHING
REPORT OF THE CREST PROPERTY

Similkameen and Nicola Mining Divisions, B.C.
NTS: 92H/16E
Lat 49 50'N; Long 120 05'W

June, 1995 (BC '94 ASSESSMENT)

1994 GEOCHEMICAL AND TRENCHING REPORT ON THE CREST PROPERTY

Similkameen and Nicola Mining Divisions, B.C.
NTS: 92H/16E
Lat 49°50'N; Long 120°05'W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

by

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P.W. Conroy, P. Geo.

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1.0 SUMMARY AND CONCLUSIONS

The Crest property, located 27 kilometres west of Peachland, B.C., originally comprised 43 claims (241 units) in the Similkameen and Nicola Mining Divisions. During 1993 & 1994, a total of 80 units were allowed to lapse, reducing the property size to 161 units in 39 remaining claims. The claims, staked in 1989 and 1990, are owned 100 percent by Fairfield Minerals Ltd. Ongoing exploration is focusing on gold targets in granitic and adjacent volcanic-sedimentary rocks.

The Okanagan Connector Highway (97C) passes near the northern claims and numerous logging roads traverse the property providing excellent access. The claims cover the south side of Pennask Mountain down to the Trout Creek valley floor at Headwater Lakes. Topography is gentle to moderate. The lower elevations are extensively covered by glacial till.

Previous work in the area has included extensive exploration for copper-molybdenum in the late 1960's during development of the Brenda deposit 4 kilometres to the northeast. Eleven kilometres to the west, on the Elk property, Fairfield has mined over 50,000 ounces of gold from a high-grade vein system in a similar geological setting to that on the Crest claims. A current drill indicated reserve of 180,000 ounces gold at Elk remains open to expansion.

The Crest property is underlain predominantly by Jurassic granodiorite and granite of the Pennask and Osprey Lake batholiths, in contact to the north with a large pendant of Triassic Nicola Group volcanics and sediments. Younger porphyritic granite intrusions are locally exposed, and some of these occur along a major northeast-trending structural feature apparent in the central property area. Several stream sediment and soil sample sites with high gold values straddle this lineament, and gold-bearing quartz-sulphide float has been found nearby.

A considerable number of other quartz vein occurences have been found, mainly in altered Nicola rocks on the northeastern claims. Grab samples from these showings have returned many significant gold values ranging from 0.03 up to 8.5 oz/ton. Observed quartz veins are generally narrow and irregular, with variable attitudes. Limonite and hematite are common constituents. Overall sulphide contents are low, however local concentrations of pyrite, pyrrhotite, chalcopyrite, molybdenite, arsenopyrite, galena, sphalerite and other minerals do occur.

Reconnaissance and grid soil sampling undertaken in 1989 and 1990 provided 6410 samples which were analyzed for gold, outlining several strong trends containing many sites with values greater than 50 ppb, up to a high of 680 ppb Au. Further grid sampling in 1994 involved minor expansion of the existing coverage at 200m x 50m, followed by substantial fill-in (mainly at 50m x 50m) around anomalies located in 1990. This work generated another 959 soils, for a total to date of 7369. Thirty sites of anomalous gold, from 20 to 610 ppb, and an additional 55 sites with threshold values of 10-20 ppb were identified. These values have further defined and/or extended existing gold geochemical trends.

Soil anomaly evaluation and follow-up by prospecting included the collection of 9 rock geochemical samples which were tested for 30 elements. Four of the samples yielded anomalous gold values in the range of 310 to 2140 ppb (.062 oz/ton). The highest result indicates a new vein occurrence on the northern CREST 10 claim.

Trenching during 1994 was undertaken at two locations on the northern CREST 10 claim, to test gold soil geochemical anomalies and significant mineral occurrences located in 1986 and 1990. Excavation totalled 594 metres (1950 ft.) in six trenches. In both areas, extensive shearing with local quartz veining in silicified volcanics and skarn alteration zones were encountered. At the first location, contiguous samples from one such zone yielded values averaging 0.145 oz/ton (~5000 ppb) Au over a 4.0 metre (13 ft.) length. At the second location, a continuous chip sample from a similar zone returned 8840 ppb (0.258 oz/ton) Au across one metre (3.3 ft.). These results are encouraging and exploration of other nearby gold soil anomalies which have yet to be tested will help determine the continuity and extent of mineralization.

Cumulative exploration results, particularly on the eastern half of the Crest claim group, indicate good potential for discovery of an economic gold deposit. Targets include high grade veins and/or large tonnage, low grade gold stockwork or skarn systems. Further exploration is definitely warranted.

2.0 RECOMMENDATIONS

Fill-in soil sampling at 50m by 50m should be continued around stations with values ≥ 20 ppb Au to better define anomalous trends. Approximately 500 samples are required to complete this work around existing priority anomalies in all areas of the property.

Detailed prospecting of gold anomalies should be continued and reconnaissance samples collected from any altered or mineralized rocks. The rock samples should be analyzed for gold (AA) plus 30 elements (ICP). Those with anomalous values should be fire assayed for gold and silver.

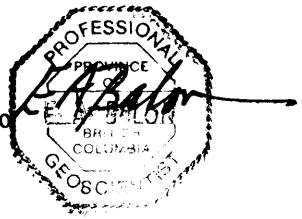
Preliminary cut-line grid control should be established and geological mapping should be conducted, particularly within the northeast quarter of the property (Parts of CREST 7, 8, 9 and all of CREST 10 claims). Approximately 20 kilometres of cut lines are estimated.

The area described above should be surveyed by VLF-EM and magnetometer to locate possible major structures which may have localized gold mineralization.

Localities with mineral occurrences, anomalous gold geochemistry, coincident geophysical signatures and shallow overburden depth (<4m) should be trenched to bedrock with an excavator. Trenches should be cleaned, mapped and chip sampled. Samples should be tested for gold and other elements in the same manner as the reconnaissance rock samples.

Additional trenching is recommended on the northern CREST 10 claim, to test several strong gold soil anomalies adjacent to the 1994 Trench Area B. A minimum of 400 metres (1300 ft.) is proposed, and trenches should be oriented north-south to best intersect the inferred easterly structural and geochemical trends in this area. Further trenching would be contingent upon favourable results.

Respectfully submitted
FAIRFIELD MINERALS LTD.



E.A. Balon, P. Geo

EAB/pj
June 1995

3.0 INTRODUCTION

3.1 Location and Physiography (Figures 1 and 2)

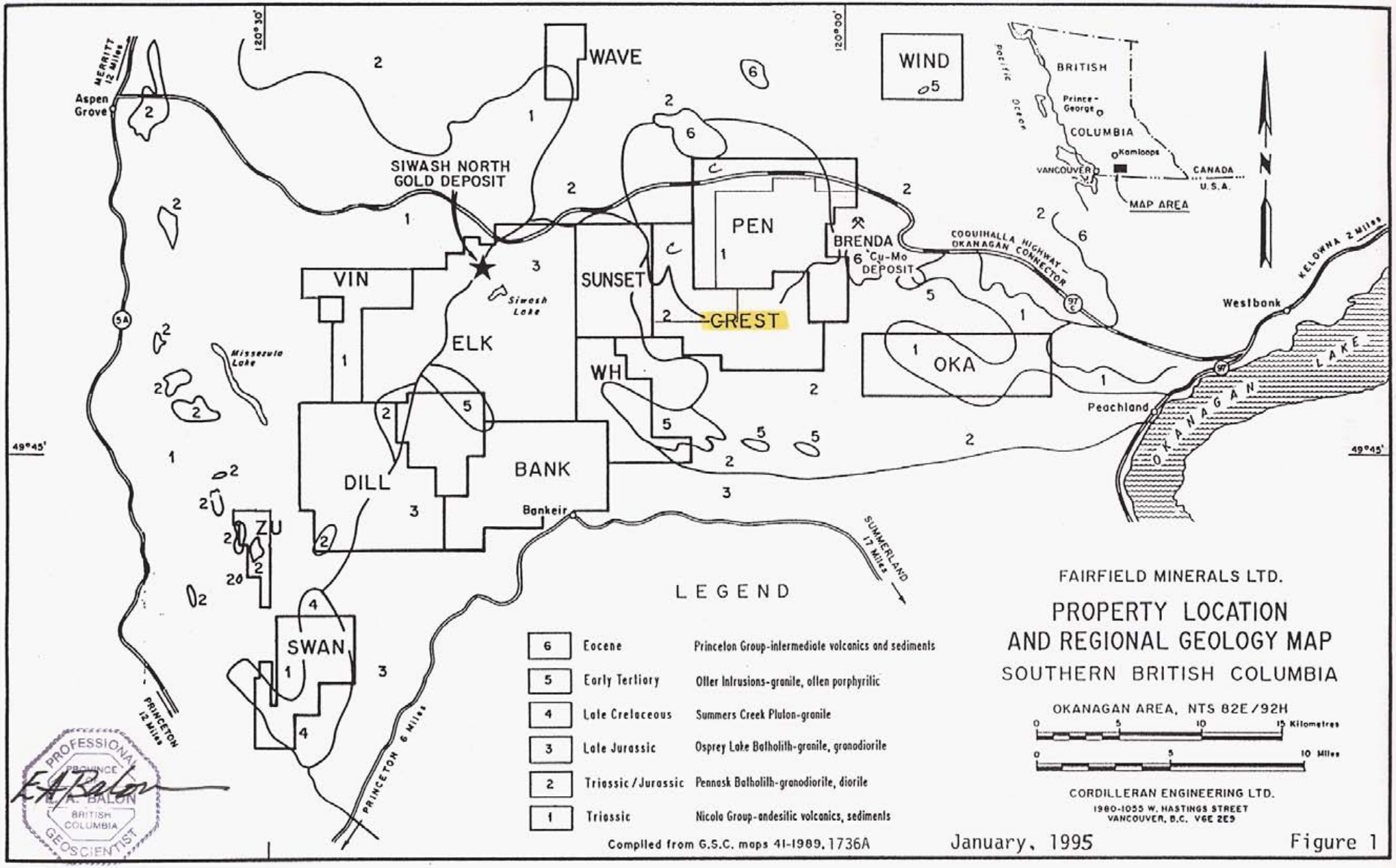
The Crest property is centred 27 kilometres west of Peachland in south-central British Columbia (Figure 1) at latitude 49°50'N and longitude 120°05'W within NTS map areas 92H/16E. Access is via the Brenda Mine road from Peachland, then west on the Headwater Lakes road and continuing west on Peachland Main logging road which crosses the southern claims. Several secondary logging roads branch north across the property providing excellent access. These road systems are also linked to the Okanagan Connector Highway (97C) via the Sunset forestry road from Headwater Lakes.

The claims cover 4000 hectares on the south side of Pennask Mountain down to Trout Creek at the southern property boundary. Elevations range from 1300m to 1850m above sea level. Several creeks flow southerly across the property into Crescent Lake, a dammed pond on the southern claims. Slopes are gentle to moderate and heavily forested with pine, fir, balsam and spruce. Several large plots have been clear-cut logged within the last ten years and some older logged areas on the eastern claims have regrown very densely. Glacial till cover is extensive and variable in thickness on the southeastern part of the property below about 1500m elevation. To the north, at higher elevations, outcrop is moderately abundant and bedrock exposures in road cuts are common. Annual temperatures range from -20°C to +30°C and precipitation is low to moderate. The area is basically snow-free from mid June through October.

3.2 Claim Data (Figure 2, Table 1)

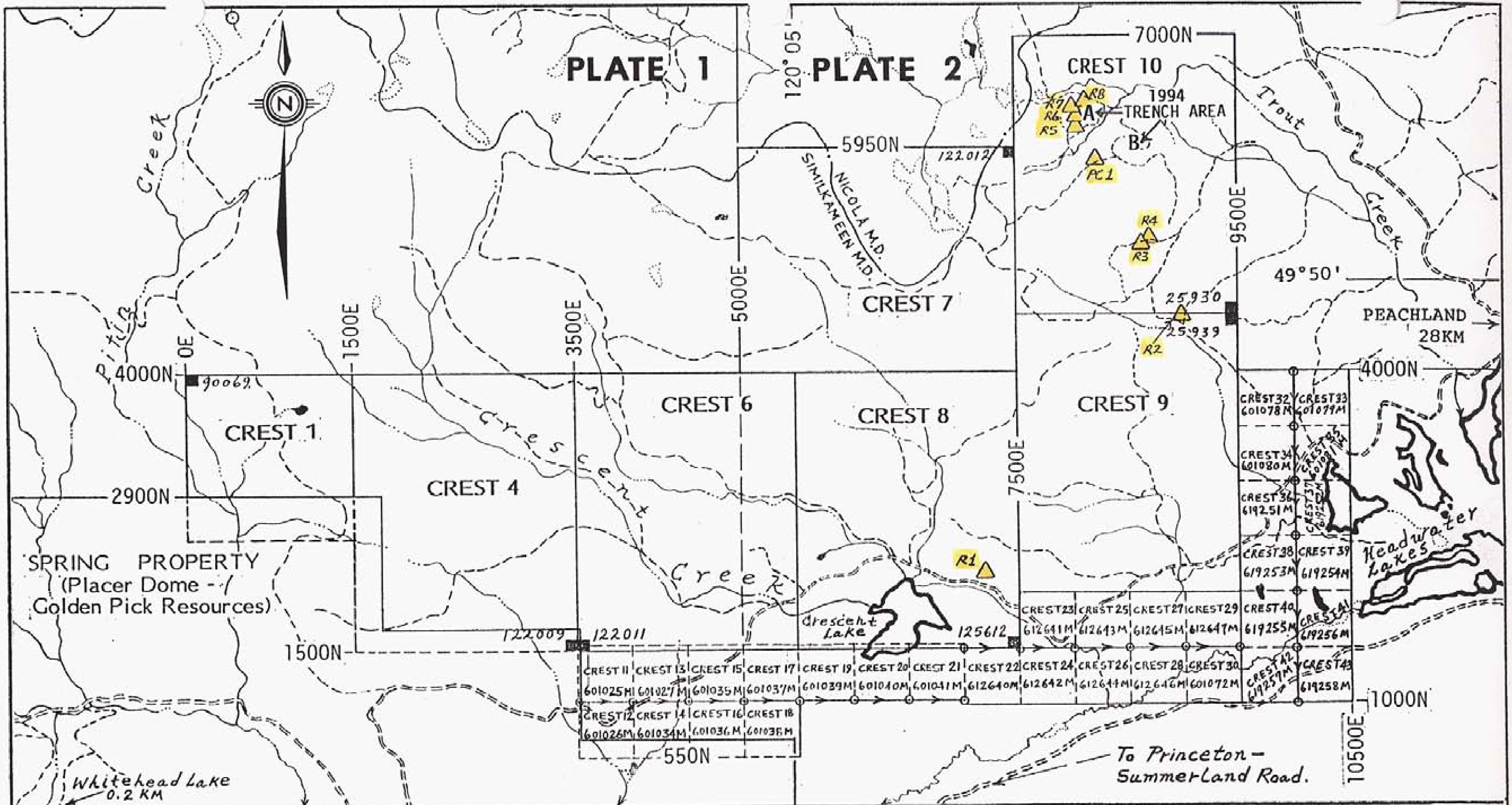
The Crest group originally consisted of 43 claims totalling 241 units. During 1993 and 1994 the CREST 2, 3, 5, 31 claims (80 units) were allowed to lapse, reducing the property size to 161 units.

The current status of all remaining Crest claims is indicated in Table 1 and their locations are shown on Figure 2. The claims, located in the Similkameen and Nicola Mining Divisions, were staked in 1989 and 1990 and are 100 percent owned by Fairfield Minerals Ltd.



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

E.A. Balon



LEGEND

Symbol	Description
90070 ■	Legal Corner and Tag Number of 4-Post Mineral Claim.
601025M ⊖—→—⊖	Initial and Final Posts, Location Line Direction and Tag Number of 2-Post Mineral Claim.
═══-·-·	Access Roads, Trails
---- 2500E -----	Grid Line Number (Line 5000E divides the grid into western and eastern parts for geochemical data compilation at 1:10000 scale as shown on Plates 1 and 2 - this Report).
R5 △	Rock Sample Site (C94 or CR94 Prefix Omitted from Sample Numbers)

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
E. A. BARLOW

E.A. Barlow

FAIRFIELD MINERALS LTD.

CREST PROPERTY

CLAIM, GRID AND
RECONNAISSANCE SAMPLE LOCATIONS
Similkameen and Nicola Mining Divisions
NTS 92H/16E, B.C.
SCALE - 1:50,000

1000 0 1000 2000M

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

January, 1995

Figure 2

Table 1

CLAIM STATUS AS AT JANUARY, 1995

Crest Property - NTS: 92H/16E

Claim	Units	Tenure No.	Expiry Date
CREST 1	9	249638	13 SEPT 1995
CREST 4	20	249641	13 SEPT 1995
CREST 6	20	249643	14 SEPT 1995
CREST 7	20	249644	16 SEPT 1995
CREST 8	20	249645	16 SEPT 1995
CREST 9	20	249646	17 SEPT 1995
CREST 10	20	249647	16 SEPT 1995
CREST 11	2-post	249648	14 SEPT 1996
CREST 12	2-post	249649	14 SEPT 1996
CREST 13	2-post	249650	14 SEPT 1996
CREST 14	2-post	249651	14 SEPT 1996
CREST 15	2-post	249652	14 SEPT 1996
CREST 16	2-post	249653	14 SEPT 1996
CREST 17	2-post	249654	14 SEPT 1996
CREST 18	2-post	249655	14 SEPT 1996
CREST 19	2-post	249656	15 SEPT 1996
CREST 20	2-post	249657	15 SEPT 1996
CREST 21	2-post	249658	15 SEPT 1996
CREST 22	2-post	249667	29 SEPT 1996
CREST 23	2-post	249668	29 SEPT 1997
CREST 24	2-post	249668	29 SEPT 1997
CREST 25	2-post	249670	29 SEPT 1996
CREST 26	2-post	249671	29 SEPT 1996
CREST 27	2-post	249672	29 SEPT 1996
CREST 28	2-post	249673	29 SEPT 1996
CREST 29	2-post	249674	29 SEPT 1996
CREST 30	2-post	249675	29 SEPT 1996
CREST 32	2-post	249930	11 OCT 1996
CREST 33	2-post	249931	11 OCT 1996
CREST 34	2-post	249932	11 OCT 1996
CREST 35	2-post	249933	11 OCT 1996
CREST 36	2-post	249934	11 OCT 1996
CREST 37	2-post	249935	11 OCT 1996
CREST 38	2-post	249936	12 OCT 1996
CREST 39	2-post	249937	12 OCT 1996
CREST 40	2-post	249938	12 OCT 1996
CREST 41	2-post	249939	12 OCT 1996
CREST 42	2-post	249940	12 OCT 1996
CREST 43	2-post	249941	12 OCT 1996
39 Claims	129 Units +32 2-post claims		

3.3 History

Little prior exploration has been documented for the area covered by the Crest claims. One assessment report (No. 850) is available describing an induced polarization survey conducted in the eastern claims area in 1966. Brenda Mine, located 4 km to the northeast, and the surrounding region were very actively explored during the 1960's for copper and molybdenum,. There is no history of placer gold production or gold exploration in the area of the Crest claims.

Eleven kilometres to the west, on Fairfield's Elk property, high grade gold-quartz veins were discovered by prospecting and trenching of soil geochemical targets during 1986-89. Since 1992 over 50,000 ounces of gold have been produced from one of these vein systems, by small open pit and underground mining operations. Further exploration and development are continuing.

Intermittent prospecting and reconnaissance sampling were carried out by Fairfield in the Crest area from 1986 through 1989. Significant gold analyses as well as scattered high values in silver, lead, zinc, copper, arsenic and molybdenum were returned from stream sediment, soil and rock samples. These results prompted staking of the initial 30 Crest claims (209 units) in September, 1989. Following acquisition, 661 soil samples were collected at 50 metre intervals on wide-spaced lines along roads traversing much of the claim group. Anomalous gold values of up to 270 ppb were returned from scattered sites on the southern and eastern claims.

In 1990 additional claims were staked (CREST 31-43 / 32 units) and grid soil sampling at 200m by 50m was completed over most of the property, with subsequent fill-in around selected anomalous sites. This program generated 5749 soil samples which yielded a large number of anomalous gold values, up to 680 ppb. These results defined several strong gold geochemical trends on the eastern claims.

During 1990 and 1991, further prospecting and reconnaissance rock sampling were also conducted. This work revealed numerous gold/silver-bearing quartz vein and stockwork occurrences in the northeastern part of the property (CREST 10 claim). Selected samples of vein material returned assays of up to 8.5 oz/ton Au and 35.7 oz/ton Ag.

No work was conducted in the Crest claims during 1992 or 1993.

3.4 1994 Exploration Program

The 1994 program comprised 91 person-days of field work apportioned as to 29 for grid location and soil geochemistry, 8 for anomaly evaluation and follow-up, and 54 for trenching.

Grid soil sampling involved minor expansion of the existing coverage at 200m x 50m , followed by substantial infill (mainly at 50m x 50m) around anomalies located in 1990. This work was carried out on the CREST 4, 6-10, 12-13 15-19, 21-22, 32-33 and 35-38 claims. A total of 959 soil samples were collected and analyzed only for gold.

Evaluation of results and follow-up included previous (1986-90) data merger and research, prospecting and reconnaissance rock sampling in areas of anomalous gold soil geochemistry. Nine rock samples were collected and tested for 30 elements.

Trenching was undertaken in two areas on the CREST 10 claim to test previously located gold soil anomalies and mineral occurrences. Six trenches totalling 594m (~1950 ft.) in length were excavated, mapped, cleaned and selectively sampled. Two hundred and thirty (230) trench rock samples were collected; all were analyzed for 30 elements and selected ones (46) were also fire assayed for gold.

4.0 GEOLOGY

4.1 Regional Geology (Figure 1)

Regional geology in the area of the Crest property is shown on the northeast part of GSC Map 41-1989, Hope, by J.W.H. Monger, 1989 and the northwest part of GSC Map 1736A, Penticton, by D.J. Templeman-Kluit, 1989 which are condensed on Figure 1.

The claims are underlain predominantly by plutonic rocks of the Early to Late Jurassic Pennask and Osprey Lake batholiths. The northern extension of the property is underlain by part of a large pendant consisting of volcanic and sedimentary rocks of the Late Triassic Nicola Group.

The plutonic suite comprises white to grey, medium to fine grained Pennask granodiorite, and lesser reddish coarse grained Osprey granite. Nicola Group lithologies consist of andesitic to basaltic flows and tuffs interspersed with argillite, siltstone and impure limestone units.

Quartz veining is locally abundant and most prevalent near the edges of the batholiths. Porphyry style copper-molybdenum mineralization has been mined from Pennask intrusive rocks at the Brenda deposit near the east contact of the Nicola pendant, 4 kilometres northeast of the Crest property.

4.2 Property Geology and Mineralization

No property-scale mapping has been conducted to date, however geological observations have been made by Fairfield personnel in and around the present Crest area during prospecting and reconnaissance sampling from 1986 to 1991.

Jurassic batholith rocks underlying about 80% of the current property area consist mainly of granodiorite with minor coarse reddish granite, increasing to the west. These units are cut and altered locally by younger, porphyritic intrusions of probable Late Cretaceous of Early Tertiary Age (Otter Intrusions). Such quartz-feldspar porphyry dykes and small stocks (?) occur in several places on the south-central claims, in apparent alignment with a major northeast-southwest structural lineament centered about one kilometre north of Crescent Lake. Along or near this structure, local zones of fracturing and shearing in the older granitic rocks are accompanied by rusty clay alteration and occasional quartz-carbonate sulphide-veining. Several stream sediment and soil sample sites with very high gold values (up to 405 and 720 ppb respectively) straddle the lineament, and samples of quarz-sulphide vein float found near some of these sites have yielded up to 1680 ppb Au, 87.0 ppm (2.5 oz/ton) Ag (CREST 11, 6 & 8 claims). Observed sulphide mineralization is mainly pyrite with sparse occurrences of galena, sphalerite, chalcopyrite and possibly tetrahedrite (?).

On the southern and western claims, aplite dykes are also common and may represent a late stage of the Jurassic intrusions. Glassy quartz veins and masses often accompany aplite but to date have not yielded any significant sample results.

Large blocks of schistose rocks occur in the north-central claims near the Nicola contact. These may be xenoliths of volcanic and sedimentary rocks which have been partially melted and recrystallized during intrusive events, or they may be screens of Precambrian basement rocks which were brought up by the magma body.

The periphery of the main Nicola pendant on the northern claims (CREST 7 & 10) is strongly silicified, with abundant disseminated pyrite and pyrrhotite and local calc-silicate or skarn development. Within this area, particularly on the northern CREST 10 claim and on an adjoining Pen claim, locally abundant quartz veins and stockworks have been found cutting siliceous volcanic rock and argillite. The quartz is glassy grey to opaque white or dark rosy with generally sparse disseminated pyrite and minor fine black grains, possibly specular hematite. Veins located to date appear to be irregular and discontinuous, with variable attitudes. Some of the large ones are pegmatitic containing coarse intergrown micas and feldspar. Selected grab and chip samples from individual veins (up to 10cm in width) and from altered rock with stringers have returned several gold analyses of greater that 1000 ppb, up to 8640 ppb (0.252 oz/ton Au, L44-R4/1986). Also, a small sample of hematitic quartz chips in overburden yielded phenomenal assays of 8.534 oz/ton Au, 35.72 oz/ton Ag (C90-R13/1990).

The style and distribution of mineral showings found to date on the CREST 10 and surrounding Pen claims suggest the presence of a substantial mineralized system. Significant gold grades have been returned from samples of sulphide-lean quartz veins or stockworks. A number of these occurrences contain hematite and/or anomalous As±Bi±Mo±W coincident with high gold values. Such vein mineralogy and elemental associations are characteristics of gold porphyry-type deposits, as recently described in published literature (Hollister, 1991-92).

The overall geological environment at Crest is similar to that on Fairfield's Elk property, 11 km to the west. At Elk, high-grade gold-quartz vein structures are hosted by granitic batholith and adjacent Nicola volcanic rocks. Although most of the known veins at Elk contain abundant sulphides (mainly as pyrite), extensive ore sample results from the Siwash Gold Mine there also show a significant gold-bismuth correlation.

5.0 GEOCHEMISTRY

5.1 Introduction

A total of 959 soil samples were collected from the Crest property in 1994. Initial sampling, at 200m by 50m grid spacings, yielded 199 samples. Subsequent fill-in sampling, mostly at 50m by 50m surrounding selected anomalous gold sites located in 1990, produced an additional 760 samples. Nine reconnaissance rock samples were collected during prospecting around some of the soil anomalies.

5.2 Sampling/Analytical Procedures

East-west claim lines served as baselines. They were measured with hip chain, marked with pink flagging and at 50m stations marked with grid-numbered waterproof Tyvek tags plus pink and blue flagging. North-south soil lines were established at 400 or 200 metre spacings, using hip chain and compass, and the soil stations at 50m intervals were similarly identified with tags plus orange and blue flagging, Infill sample locations were determined by chaining out from original anomalous sample sites, and marked in a similar manner. Samples were collected from the "B" horizon with mattocks and placed in Kraft paper bags marked with the appropriate grid coordinates. The soils were sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fraction tested for gold content. Each sample was analyzed for gold by atomic absorption (AA) following aqua regia digestion and MIBK extraction from a 10-gram subsample.

The rock samples had an average weight of 1 to 2 kilograms with chips ranging from 1 to 7 cm in diameter. They were also shipped to Acme Analytical Laboratories Ltd. in Vancouver where they were each crushed to minus 3/16 inch then 250 grams split out and pulverized to minus 100 mesh. All were analyzed for gold from 20-gram subsamples, by the same method as that used for the soils. Additionally, 30-element ICP determinations were made from 0.5-gram cuts.

5.3 Soil Results (Plates 1 & 2)

Integrated 1994 and prior gold soil geochemical results are plotted on Plates 1 and 2. The geochemical grid location relative to claim boundaries is shown on Figure 2. Complete 1994 analyses from all samples are contained in Section 11.0.

Increasing symbol sizes on Plates 1 & 2 correspond to values $\leq$10, >10, >20, >50 and >100 ppb Au. Values greater than 20 ppb Au are considered significant anomalies; those less that 10 ppb Au are not posted as they are probably below threshold.

The 1994 sampling identified 30 sites of anomalous gold, from 21 to 610 ppb, and an additional 55 sites with threshold values of 10-20 ppb Au. These results are widely distributed throughout the claim group and further define or extend some of the gold geochemical trends outlined by previous programs.

Initial grid sampling in 1994 was undertaken to extend 200m by 50m coverage into previously unsampled areas on some of the southern claims near Crescent Lake (CREST 8, 15-19, 21 & 22). Only one anomalous value of 43 ppb Au, at 5800E/1250N (see Plate 2), was returned from 199 samples collected.

On the western grid (Plate 1), sampling in 1990 located a number of very strong gold anomalies. The majority of these are sporadically distributed between 2600E-4800E and 1400N-2400N, on the CREST 4, 6, 11, 13 & 15 claims. Fill-in sampling during 1994 extended only half of the anomalies tested within and surrounding this area, indicating vague northeast or northwest linear trends. The results include four high values of 69, 71, 270 and 610 ppb Au.

On the eastern grid (Plate 2), three belts or general zones of gold enrichment are discernible from results of previous programs (1990 & 1986) as follows:

1) a prominent northerly trending belt of anomalies between 7600E-9000E and 5000N-7000N, on the CREST 10 claim.
2) a 1.0km wide by 4.0km long, easterly trending belt which encompasses detached clusters of strong anomalies in the area between 6400E-10200E from 3250N-4450N, on the CREST 8, 9 & 32-35 claims.
3) a 2.5km long by up to 600 metre wide zone which includes scattered gold highs through an area straddling 8200E/2200N to 10400E/3100N, on the southern CREST 9 and CREST 35-39 claims.

Fill-in sampling during 1994 extended most of the anomalies tested in all of these areas. The anomalous results include three high values of 130,200 and 230 ppb Au in the central belt (2), and several moderately strong values of 49 to 70 ppb Au at various other locations. Two anomalies to the west of the central belt - on Lines 5000E and 5200E - were also extended, with 1994 sample results of 49, 55 and 67 ppb Au. Additional fill-in sampling is required for delineation of more specific, local trends within each belt.

5.4 Anomaly Evaluation and Follow-up (Figure 2 and Table 2)

Eight man-days were devoted to prospecting in areas of anomalous gold soil geochemistry, primarily on the CREST 9 & 10 claims. Nine reconnaissance rock samples were collected; their locations are shown on Figure 2. Sample types and descriptions together with collated gold, silver, copper, lead and zinc results are given in Table 2. Complete analyses for all 30 elements tested are included in Section 11.0.

Most of the samples were of quartz vein material or altered rock containing quartz-sulphide stringers. Four returned gold analyses of 310, 540, 1790 and 2140 ppb; of these, three were collected within an area of known mineral occurrences which was subsequently trenched (1994 Trench AREA A, see Section 6.3). The sample with the highest gold value (R8/2140 ppb Au) comprised chips from quartz vein and breccia float found near argillite exposures in a stream gully, about 150 metres northeast of the trench area. This material contained no visible sulphides and only very weak limonite and hematite staining. Coincident anomalous values of other elements in the gold-bearing samples included silver in all four (1.2 - 8.1 ppm), molybdenum in three (19 - 130 ppm), tungsten in two (30 - 106 ppm) and copper in one (197 ppm).

Two other samples (R2 & R3), from alteration zones in granitic rocks exposed by new road-cuts on the southern CREST 10 claim, yielded anomalous lead and zinc but low gold (26 and 82 ppb).

TABLE 2:

RECONNAISSANCE ROCK SAMPLES
CREST PROPERTY

Sample Number	Approximate Grid Location	Type and Description	Analyses: (Au-ppb,others-ppm) Au	Ag	Cu	Pb	Zn
C 94-R1	2005N/7190E	Float grab. Subangular limonitic qz-carb. vn fgmnts, up to 7.5cm thick.	16	0.2	7	12	19
C94-R2	4420N/8810E	Selected bedrock chip. Silic, rusty-weathered grdr w/strongly dissem sulphides and qz-py stringers.	26	3.4	116	139	548
C94-R3	5130-40N/8625-35E	Selected bedrock rubble grabs from 3 loc'ns along 12 m of exposure. Shattered qz-sulphide vns in sheared, alt'd grdr.	82	1.0	131	729	556
C94-R4	5140-45N/8635-50E	Bedrock chips from several loc'ns along 15m of exposure. Calc-sil hornfels w/abund fine dissem sulphides, mainly py.	20	1.0	217	19	88
C94-R5	6125N/7950E	Selected chips from large angular bldr. Pervasively silic volc w/qz-py stringers and clots.	1790	8.1	197	10	92
C94-R6	6215-20N/7945-50E	Slected bedrock rubble grabs. Bleached, silic volcs w/dissem py and limonitic qz vlts few mm up to 2cm wide.	310	1.9	32	29	60
C94-R7	6290-95N/7930-35E	Float grabs from 2 sites. Hematitic, pegmatitic qz w/intergrown biotite and sparse dissem blk metallics (?).	540 (Average of two runs/original and re-analysis)	1.2	17	22	26
C94-R8	6395N/8120E	Float grab. Chips from several angular qz vn and qz bx fgmnts, up to 7.5 cm thick x 20cm long. Weak hem +lim alt'n.	2140	3.8	10	36	33
C94-PC1	5750N/8060E	Float grabs. Rusty, silic volc or diorite (?) w/sparse dissem sulphides	69	0.7	38	<2	12

****

6.0 TRENCHING (Plates 3 & 4)

6.1 Introduction

During August, trenching was undertaken in two areas of the northern CREST 10 claim (see Figure 2) to test coincident gold soil geochemical anomalies and gold-silver mineral occurrences located in 1986 and 1990. Trench-related work continued into mid-September.

In **AREA A**, five trenches totalling 435m (1427 ft.) were dug. Extensive shearing with local quartz veining in silicified volcancis and skarn aleration zones were encountered. Contiguous samples from one such zone in Trench CR94-2 returned the best averaged gold rsults of 0.145 oz/ton (~5000 ppb) over 4m (13 ft.).

In **AREA B**, one trench measuring 158.7m (521 ft.) was excavated. Extensive shearing and silicification, minor quartz veining and occasional skarn were also encountered. A 1 metre (3.3 ft.) continuous chip sample across a zone of narrow quartz stringers yielded the best gold results of 8840 ppb (0.258 oz/ton).

Including both areas, gold values of ≥300 ppb were determined in 35 (15%) of the total 230 bedrock samples collected. Most of the gold highs in AREA A are coincident with anomalous Ag±Bi±Mo, while some of those in AREA B are coincident with anomalous As±Ag±Bi±Zn.

6.2 Trench Operations

Six trenches were excavated by Wiltech Developments Inc., of Kelowna, BC, using a Caterpillar 225 excavator. The trenches were located along roadsides and on old skidder trails in order to limit environmental impact. Backfilling was not carried out due to early deep snow. Bedrock was reached in all the trenches although irregular rock surfaces, ferricrete and flooding locally slowed progress. Trench depths varied between 0.2 and 1.5 metres, averaging about 0.5 metres. The rate of trenching averaged 12.5 metres per hour. Trench statistics are summarized in Table 3.

Two types of quick-detachable buckets were used on the machine: a thirty-six inch toothed bucket for digging through overburden and a smooth bucket for cleaning to bedrock. A Sullair 180 CFM air compressor and firehose were used to clean the remaining soil from trench floors, and a Honda pump was used to dewater and wash sections of the trenches.

Bedrock geology was initially mapped in detail at 1:50 scale and subsequently compiled at 1:250 scale (Plates 3 and 4). A total of 229 channel and panel samples and one grab sample were collected from areas of alteration, mineralization or favourable structures. Most of the sampling was done manually, however a few hard sections were chipped using an electric-powered hammer. Sample locations and significant results are shown on the trench plan maps (Plates 3 and 4). Individual sample descriptions, dimensions and partial results are presented in Appendix "A"; complete analyses and assays are included in Section 11.0.

The trenches were surveyed using a Brunton compass and a 50-metre steel chain, and tied into the local soil geochemical grid.

Table 3:

TRENCH SUMMARY

Trench Number	Length (m)	Width Top	Width Bottom	Average Depth	Estimated Volume (m^3)	Number of Samples Analysis	Number of Samples Assay
AREA A							
CR94-1	123.0	3.5	2.25	1.50	530.50	56	17
CR94-2	105.0	3.0	2.50	1.00	288.75	58	13
CR94-3	48.0	3.0	2.00	1.00	120.00	16	
CR94-4	87.5	3.5	2.00	0.75	180.50	28	2
CR94-5	71.5	2.5	1.75	1.00	152.00	17	5
Total A	**435.0**				**1271.75**	**175**	**37**
AREA B							
CR94-6	158.7	1.5	1.00	0.25	49.60	55	9
Total A & B	593.7				1321.35	230	46

6.3 Trench Results

AREA A

Trench CR94-1 (123.0 metres, SW to NE) is underlain by weakly to strongly hornfelsed and silicified porphyritic volcanics, with occasional skarn bands. The fresher volcanics are dark green to almost black in colour, while strongly silicified zones are medium to pale green, almost rhyolitic in appearance. This lithology is cut by numerous shears with an average easterly trend, with fewer shears trending northerly.

At the southwest end of the trench, moderately to strongly silicified volcanics contain numerous parallel 1 to 2mm quartz stringers in a zone trending approximately 100°. Samples returned values from 170 ppb to 560 ppb gold.

A 2 to 3cm, irregular quartz vein trending 105° in strongly silicified rock was intersected at 27m NE. A channel sample along the vein returned a value of 0.106 oz/ton gold, with 33 ppm W and 598 ppm Mo.

A zone of strong, garnet-rich skarn with a 5cm quartz vein and several stringers was uncovered at 40m to 45m NE. The zone trends about 100° to 105° and is cut by numerous shears. Samples along the veins returned background values to 0.010 oz/ton gold, with one sample of sheared skarn (?) grading 0.030 oz/ton. One sample through the main skarn band returned 0.003 oz/ton gold, 303 ppm W, 1635 ppm Zn and 33.6 ppm Cd. A grab sample across the zone, taken before cleaning, returned values of 0.005 oz/ton gold, 1107 ppm W, 659 ppm Zn and 34.8 ppm Cd.

A strongly limonite-stained shear containing numerous quartz-chip fragments and trending about 130° was encountered at 71.5m NE. A panel sample across this zone returned a value of 1860 ppb gold (0.054 oz/ton) and 8 ppm silver (0.23 oz/ton).

A small pod of pyritic quartz was exposed at the northeast end of the trench and sampled, with negative results.

Trench CR94-2 (105.0 metres, W to E) intersected the 50m NE mark of trench CR94-1. It is entirely underlain by similarly altered volcanic rocks, which are cut by numerous shears trending easterly and northeasterly.

A few narrow quartz veins and stringers, locally associated with the shears, occur in the first 40 metres of the trench from its west end. No significant gold results were returned from samples of these veins.

At 41m E, an easterly trending zone of several narrow stringers containing traces of pyrite and possible molybdenite was uncovered. A panel sample across this zone returned a value of 4870 ppb gold (0.142 oz/ton) and 24.1 ppm silver (0.70 oz/ton).

A zone of moderate skarning with numerous narrow quartz veins and pods was intersected 58m E. This zone strikes about 100° and appears to be on trend with the quartz vein at 27m NE in trench CR94-1. Sampling returned numerous anomalous values from 290 ppb gold to 0.242 oz/ton gold, up to 14.9 ppm silver, 57 ppm molybdenum and 27 ppm bismuth.

At 79m E, a vuggy quartz vein up to 7cm wide and trending about 100° was encountered. This vein contains traces of pyrite and chalcopyrite and is hosted in a band of strongly skarned and silicified volcanic, also somewhat pyritic. One sample along the vein returned 0.060 oz/ton Au, 29.6 ppm Ag, 49 ppm Bi and 272 ppm Pb. Sampled wall rock to the north containing narrow stringers returned up to 332 ppm Zn, 10.1 ppm Cd and 11 ppm Bi. Farther to the north -at 87m E- another zone of strong skarn, silicification, and local brecciation with quartz veining and sulfide-rich bands was uncovered. Two samples across this zone returned values of up to 553 ppm Zn, 15.8 ppm Cd, 15.9 ppm Ag and 41 ppm Bi. This zone correlates well with the skarn band at 40-45m NE in trench CR94-1.

Trench CR94-3 (48.0 metres, W to E) intersected the 88m NE mark of trench CR94-1. It is underlain by porphyritic volcanic rocks showing varying degrees of skarning and silicification (generally weak to moderate), and cut by numerous easterly to northeasterly trending shears. No mineralization was noted, and no significant gold values were returned from sampling.

Trench CR94-4 (87.5 metres, W to E) was dug about 35 metres north of trench CR94-3. It is underlain by generally weakly to moderately silicified volcanics, and cut by numerous easterly and northeasterly trending shears.

Two quartz veins with orientations of about 000°-010°/10°E were exposed at 6.5m E. Theses veins are 2-5cm thick and contain rare traces of pyrite and molybdenite. Two samples across the veins returned 0.011 and 0.020 oz/ton gold, and up to 62 ppm bismuth.

A 1-cm stringer striking northeast and dipping 30° southeast was intersected at 70m E. Sample CR944-20 along this vein yielded no significant results.

Trench CR94-5 (71.5 metres, W to E) was excavated along the access road about 50m north of trench CR94-4. Porphyritic volcanics with varying degrees of skarnification and/or silicification underlie the trench. These rocks are cut by a few shears trending 080° and about 145°.

A zone of skarn and silicified volcanic with significant quartz veining to 3cm wide, trending 130°, was intersected 30m E. No significant gold values were returned from samples.

AREA B

Trench CR94-6 (158.6 metres, NW to SE) was excavated along a powerline access road about 400 metres southeast of AREA A. Weakly to moderately skarned or strongly silicified and hornfelsed volcanics, cut by several easterly-trending shears, underlie the trench. Alteration bands also trend easterly.

A 1-cm quartz vein trending 145° in a shear was encountered at 19m SE. A chip sample along the vein including some wall rock returned an assay of 0.060 oz/ton gold and 3425 ppm arsenic.

At 25m SE, a easterly trending 20cm-wide zone of strongly silicified volcanic contains trace pyrite and a few quartz microveins. A sample along the zone returned 590 ppb gold.

A zone of strong silicification with numerous southeasterly trending narrow quartz stringers (<0.5cm) was intersected at 42.5m SE. A chip sample across this zone returned values of 8840 ppb (0.258 oz/ton) gold, 8.2 ppm silver and 68 ppm bismuth.

Another easterly trending, 20cm-wide zone of quartz stringers was exposed at 53m SE. A chip sample along the trend returned 245 ppb gold.

At 65m SE, a shear trending 070° with strong limonite staining was uncovered. A chip sample along this shear returned values of 1120 ppb gold, 8.7 ppm silver and 1588 ppm arsenic.

A zone of intense silicification and bleaching, with quartz stringers containing pyrite-arsenopyrite and melanterite staining, was intersected at 82.5m SE. Two panel samples were taken across the zone and returned results of 0.005 and 0.017 oz/ton gold, with the lower grade sample containing 625 ppm Zn and 14.6 ppm Cd. No anomalous arsenic was analyzed.

At 88m SE, a 40cm-wide zone of strongly silicified and bleached volcanic between two shears trending 070° was uncovered. A panel sample across this zone yielded 1210 ppb gold, 7.2 ppm silver and 670 ppm arsenic.

A major fault zone, 7.5m wide, trending 070° was excavated at 102.5m SE. Chip samples across the fault returned negative results.

7.0 PERSONNEL & CONTRACTORS

Personnel:

	Time Period	Days Worked & Description
J. Tindle, Sampler Whistler, B.C.	June 4 - 10/94	6 ½ - Soil sampling and travel.
J. Thornton, Sampler Whistler, B.C.	June 4 - 10/94	6 ½ - Soil sampling and travel.
G. Harris, Geologist Coquitlam, B.C.	June 5 - September 13/94	8 - Soil sampling.
L. Oseen, Sampler North Vancouver, B.C.	June 8 - 10/94	3 - Soil sampling.
R. Harwood, Sampler Nelson, B.C.	August 29 - September 19/94	11 - Trench cleaning and sampling
B. Johnson, Sampler Nelson, B.C.	August 30 - September 18/94	11 - Trench cleaning and sampling.
P.W. Conroy, Geologist Vancouver, B.C.	August 29 - September 19/94	22 - Trench mapping and sample layout. Evaluation of results and report preparation.
J. D. Rowe, Geologist North Vancouver, B.C.	July 12 - September 2/94	2 - Trench layout and geological examinations
E.A. Balon, Prospector North Vancouver, B.C.	June 5 - September 6/94	21 - Grid layout and supervision of soil samplers; prospecting and rock sampling; trench claening. Evaluation of results & report preparation.

Contractors:

Wiltech Developments Inc. Kelowna, B.C. (one backhoe operator)	August 22 - 30/94	6 - Excavator trenching and mob/demob. equipment from site.

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8.0 STATEMENT OF COSTS

CREST PROPERTY

PROFESSIONAL, TECHNICAL & GEOLOGICAL SERVICES	$ 2,200
SALARIES & BENEFITS	6,210
GEOCHEMICAL ANALYSIS, ASSAYS & FREIGHT	12,140
FOOD & ACCOMMODATION	2,000
VEHICLE RENTAL, SHIPPING AND SUPPLIES	2,490
TRENCHING (EXCAVATOR)	6,100
TOTAL EXPENDITURES	$31,140

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9.0 REFERENCES

Balon, E.A.:

1992: 1991 Regional Exploration, southern British Columbia, Okanagan Areas. (Cordilleran Engineering Ltd., unpublished report).

1994: 1993 Geochemical Report (Assessment) on the Pen Property.

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1993: 1992 Prospecting Report (Assessment) on the Pen Property.

Tempelman-Kluit, D.J.:

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****

10.0 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.

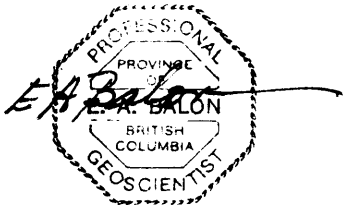
3. I have taken several Continuing Education Courses in Geoscience since 1970, including Exploration Geochemistry at the University of British Columbia, Vancouver, B. C. in 1984/85.

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-five years in British Columbia, Yukon and Northwest Territories.

6. I am co-author of this report and supervisor of the field work conducted on the Crest claim group by Cordilleran Engineering Ltd. during the period June 1 to September 30, 1994.

CORDILLERAN ENGINEERING LTD.



E. A. Balon, P.Geo

February 1995
Vancouver, B.C.

10.0 STATEMENT OF QUALIFICATIONS

I, Paul Conroy, of Vancouver, British Columbia hereby certify that:

1. I am a professional geologist residing at 3587 East 45th Avenue, and employed by Cordilleran Engineering Ltd. of 1980 - 1055 West Hastings Street, Vancouver, British Columbia V6E 2E9

2. I have received a B.Sc. degree in Geological Sciences from the University of British Columbia, Vancouver, B. C. in 1982.

3. I am registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia, having received professional status in 1992.

4. I have practiced my profession for thirteen years in British Columbia, Yukon and Northwest Territories.

5. I am co-author of this report and performed part of the field work conducted on the Crest claim group by Cordilleran Engineering Ltd. during the period August 29, 1994 to September 19, 1994

CORDILLERAN ENGINEERING LTD.

Paul Wm. Conroy, B.Sc., P.Geo
Geologist

February 1995
Vancouver, B. C.

11.0 ANALYSIS & ASSAY CERTIFICATES

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 CREST #1 File # 94-1670 Page 1

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

SAMPLE#	Au* ppb
1700E 2750N	4
1700E 2700N	4
1700E 2650N	3
1700E 2600N	28
1700E 2550N	2
1700E 1600N	3
1700E 1550N	1
1700E 1500N	9
1700E 1450N	5
1700E 1400N	4
1750E 2750N	6
1750E 2700N	3
1750E 2650N	2
1750E 2600N	1
1750E 2550N	1
1750E 1600N	2
1750E 1550N	1
RE 1750E 1550N	1
1750E 1500N	3
1750E 1450N	1
1750E 1400N	3
1850E 2750N	2
1850E 2700N	7
1850E 2650N	1
1850E 2600N	4
1850E 2550N	4
1850E 1600N	1
1850E 1550N	2
1850E 1500N	1
1850E 1450N	2
1850E 1400N	1
1900E 2750N	1
1900E 2700N	1
1900E 2650N	1
1900E 2600N	2
STANDARD AU-S	52

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 13 1994 DATE REPORT MAILED: June 17/94 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Au* ppb
1900E 2550N	4
1900E 1600N	2
RE 1900E 1600N	26
1900E 1550N	3
1900E 1500N	1
1900E 1450N	1
1900E 1400N	1
2100E 2100N	1
2100E 2050N	1
2100E 2000N	2
2100E 1950N	2
2100E 1900N	2
2150E 2100N	1
2150E 2050N	3
2150E 2000N	1
2150E 1950N	1
2150E 1900N	1
2250E 2100N	2
2250E 2050N	1
2250E 2000N	2
2250E 1950N	1
2250E 1900N	1
2300E 2100N	1
2300E 2050N	2
2300E 2000N	2
2300E 1950N	1
2300E 1900N	3
2500E 2950N	3
2500E 2900N	2
2500E 2850N	3
2500E 2800N	1
2500E 2750N	2
2500E 1650N	1
2500E 1600N	2
2500E 1550N	4
STANDARD AU-S	46

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

SAMPLE#	Au* ppb
2500E 1500N	8
2500E 1450N	2
2550E 2950N	1
2550E 2900N	1
2550E 2850N	6
2550E 2800N	2
2550E 2750N	1
2550E 1650N	610
2550E 1600N	2
2550E 1550N	4
2550E 1500N	3
2550E 1450N	2
2650E 2950N	1
2650E 2900N	2
RE 2650E 2900N	1
2650E 2850N	1
2650E 2800N	3
2650E 2750N	3
2650E 1650N	5
2650E 1600N	2
2650E 1550N	3
2650E 1500N	2
2650E 1450N	71
2700E 2950N	3
2700E 2900N	2
2700E 2850N	3
2700E 2800N	3
2700E 2750N	3
2700E 2700N	2
2700E 2650N	2
2700E 2600N	2
2700E 2550N	3
2700E 1650N	3
2700E 1600N	2
2700E 1550N	4
STANDARD AU-S	42

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

SAMPLE#	Au* ppb
2700E 1500N	28
2700E 1450N	3
2750E 2750N	2
2750E 2700N	3
2750E 2650N	1
2750E 2600N	<1
2750E 2550N	3
2850E 2750N	1
2850E 2700N	4
2850E 2650N	1
2850E 2600N	1
2850E 2550N	69
RE 2850E 2550N	2
2900E 2750N	1
2900E 2700N	1
2900E 2650N	1
2900E 2600N	7
2900E 2550N	2
2900E 2200N	1
2900E 2150N	1
2900E 2100N	<1
2900E 2050N	2
2900E 2000N	270
2950E 2200N	3
2950E 2150N	3
2950E 2100N	1
2950E 2050N	8
2950E 2000N	1
3050E 2200N	1
3050E 2150N	3
3050E 2100N	1
3050E 2050N	1
3050E 2000N	2
3100E 2200N	5
3100E 2150N	4
STANDARD AU-S	52

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

SAMPLE#	Au* ppb
3100E 2100N	4
3100E 2050N	4
3100E 2000N	3
3300E 2600N	1
3300E 2550N	3
3300E 2500N	4
3300E 2450N	1
3300E 2400N	2
3300E 2350N	19
3350E 2600N	3
3350E 2550N	10
3350E 2500N	2
3350E 2450N	5
3350E 2400N	3
RE 3350E 2400N	3
3350E 2350N	2
3450E 2600N	2
3450E 2550N	5
3450E 2500N	2
3450E 2450N	2
3450E 2400N	2
3450E 2350N	2
3500E 2600N	2
3500E 2550N	2
3500E 2500N	1
3500E 2450N	2
3500E 2400N	3
3500E 2350N	4
3500E 2050N	1
3500E 2000N	1
3500E 1050N	6
3500E 1000N	2
3500E 950N	2
3500E 900N	1
3500E 850N	1
STANDARD AU-S	50

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

SAMPLE#	Au* ppb
3550E 1050N	1
3550E 1000N	1
3550E 950N	1
RE 3550E 950N	<1
3550E 900N	<1
3550E 850N	7
3650E 1050N	2
3650E 1000N	2
3650E 950N	5
3650E 900N	2
3650E 850N	2
3700E 1050N	2
3700E 1000N	3
3700E 950N	1
3700E 900N	1
3700E 850N	<1
3850E 2500N	<1
3850E 2450N	1
3850E 2400N	2
3850E 2350N	2
3850E 2300N	2
3850E 2250N	1
3900E 2500N	2
3950E 2500N	1
4300E 1500N	2
4300E 1450N	1
4300E 1400N	2
4300E 1350N	13
4300E 1300N	4
4350E 1500N	2
4350E 1450N	1
4350E 1400N	5
4350E 1350N	2
4350E 1300N	2
4450E 2350N	2
STANDARD AU-S	49

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

SAMPLE#	Au* ppb
4450E 2300N	4
4450E 2250N	1
4450E 2200N	19
4450E 2150N	3
4450E 1500N	1
4450E 1450N	5
4450E 1400N	1
4450E 1350N	1
4450E 1300N	<1
4500E 1500N	1
4500E 1450N	1
4500E 1400N	1
4500E 1350N	2
4500E 1300N	2
4600E 1450N	2
4600E 1400N	1
4600E 1350N	1
4600E 1300N	2
4600E 1250N	3
4600E 1200N	2
4600E 1150N	1
4600E 1100N	1
4600E 1050N	3
RE 4600E 1050N	2
4600E 1000N	2
4600E 950N	<1
4600E 900N	3
4600E 850N	2
4600E 800N	9
4600E 750N	6
4600E 700N	3
4600E 650N	2
4600E 600N	2
4600E 550N	1
4800E 1500N	7
STANDARD AU-S	52

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

SAMPLE#	Au* ppb
4800E 1460N	17
4800E 1450N	5
4800E 1400N	4
4800E 1350N	2
4800E 1300N	3
4800E 1250N	1
4800E 1200N	1
4800E 1150N	3
4800E 850N	2
4800E 800N	5
4800E 750N	2
4800E 700N	1
4800E 650N	3
4800E 600N	1
4800E 550N	2
4900E 3550N	4
RE 4900E 3550N	2
4900E 3500N	12
4900E 3450N	6
4900E 3400N	1
4900E 3350N	2
4950E 3550N	3
4950E 3500N	2
4950E 3450N	1
4950E 3400N	1
4950E 3350N	2
5000E 1500N	2
5000E 1450N	1
5000E 1400N	1
5000E 1350N	<1
5000E 1300N	<1
5000E 1250N	1
5000E 1200N	1
5000E 1150N	<1
5000E 1100N	1
STANDARD AU-S	46

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

SAMPLE#	Au* ppb
5000E 950N	6
5000E 900N	3
5000E 850N	2
5000E 800N	9
5000E 750N	2
5000E 700N	1
5000E 650N	2
RE 5000E 650N	2
5000E 600N	1
5000E 550N	9
5050E 3550N	2
5050E 3500N	2
5050E 3450N	2
5050E 3400N	1
5050E 3350N	49
5100E 3550N	3
5100E 3500N	10
5100E 3450N	2
5100E 3400N	3
5100E 3350N	3
5100E 3300N	2
5100E 3250N	2
5100E 3200N	1
5100E 3150N	3
5100E 3100N	7
5150E 3200N	2
5150E 3150N	2
5150E 3100N	4
5200E 1500N	5
5200E 1450N	1
5200E 1400N	1
5200E 1350N	2
5200E 1300N	3
STANDARD AU-S	52

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

SAMPLE#	Au* ppb
5200E 1250N	2
5200E 1200N	2
5200E 1150N	3
5200E 1100N	1
5200E 1050N	3
5200E 1000N	5
5200E 950N	2
5200E 900N	2
5200E 850N	1
5200E 800N	2
5200E 750N	1
5200E 700N	1
5200E 650N	1
5200E 600N	5
5200E 550N	1
5250E 3300N	2
5250E 3250N	1
5250E 3200N	3
5250E 3150N	2
5250E 3100N	1
5300E 3300N	5
5300E 3250N	1
5300E 3200N	8
RE 5300E 3200N	1
5300E 3150N	3
5300E 3100N	1
5300E 3000N	1
5300E 2950N	8
5300E 2900N	2
5300E 2850N	1
5300E 2800N	2
5300E 2750N	2
5350E 3000N	1
5350E 2950N	1
5350E 2900N	1
STANDARD AU-S	47

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

SAMPLE#	Au* ppb
5350E 2850N	3
5350E 2800N	13
RE 5350E 2800N	2
5350E 2750N	6
5400E 1500N	2
5400E 1450N	2
5400E 1400N	1
5400E 1350N	1
5400E 1300N	1
5400E 1150N	2
5400E 1100N	3
5400E 1050N	5
5400E 1000N	3
5400E 950N	4
5400E 900N	2
5400E 850N	2
5400E 800N	2
5400E 750N	1
5400E 700N	3
5400E 650N	11
5400E 600N	1
5400E 550N	2
5450E 3000N	2
5450E 2950N	2
5450E 2900N	2
5450E 2850N	1
5450E 2800N	4
5450E 2750N	2
5500E 3000N	2
5500E 2950N	2
5500E 2900N	<1
5500E 2850N	2
5500E 2800N	14
STANDARD AU-S	50

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

SAMPLE#	Au* ppb
5500E 2750N	5
5600E 2100N	2
5600E 2050N	1
5600E 2000N	1
RE 5600E 2000N	1
5600E 1950N	1
5600E 1900N	4
5600E 1850N	2
5600E 1800N	3
5600E 1750N	2
5600E 1700N	1
5600E 1650N	4
5600E 1600N	2
5600E 1550N	3
5600E 1500N	1
5600E 1450N	17
5600E 1400N	3
5600E 1350N	1
5600E 1300N	1
5600E 1250N	2
5600E 1200N	2
5600E 1150N	1
5600E 1100N	2
5600E 1050N	1
5800E 2100N	1
5800E 2050N	1
5800E 1900N	2
5800E 1850N	1
5800E 1800N	2
5800E 1750N	2
5800E 1700N	3
5800E 1650N	2
5800E 1600N	1
STANDARD AU-S	49

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

SAMPLE#	Au* ppb
5800E 1550N	3
5800E 1500N	2
5800E 1450N	3
5800E 1400N	1
5800E 1350N	4
5800E 1300N	2
5800E 1250N	43
5800E 1200N	12
5800E 1150N	11
5800E 1100N	2
5800E 1050N	1
7000E 2100N	4
7000E 2050N	7
7000E 2000N	1
7000E 1950N	2
7000E 1900N	1
7000E 1850N	1
7000E 1800N	3
7000E 1750N	1
7000E 1700N	1
7000E 1650N	3
7000E 1600N	6
RE 7000E 1600N	2
7000E 1550N	1
7000E 1500N	2
7000E 1450N	2
7000E 1400N	2
7000E 1350N	1
7000E 1300N	1
7000E 1250N	2
7000E 1200N	1
7000E 1150N	1
7000E 1100N	1
7000E 1050N	2
7200E 2100N	1
STANDARD AU-S	50

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

SAMPLE#	Au* ppb
7200E 2050N	2
7200E 2000N	6
7200E 1950N	3
7200E 1900N	3
7200E 1850N	1
7200E 1800N	4
7200E 1750N	5
7200E 1700N	2
7200E 1650N	2
7200E 1600N	1
7200E 1550N	2
7200E 1500N	4
7200E 1450N	1
7200E 1400N	1
RE 7200E 1400N	3
7200E 1350N	1
7200E 1300N	1
7200E 1250N	1
7200E 1200N	<1
7200E 1150N	1
7200E 1100N	<1
7200E 1050N	1
7400E 2100N	1
7400E 2050N	1
7400E 2000N	1
7400E 1950N	4
7400E 1900N	1
7400E 1850N	1
7400E 1800N	1
7400E 1750N	2
7400E 1700N	2
7400E 1650N	1
7400E 1600N	2
7400E 1550N	1
7400E 1500N	1
STANDARD AU-S	48

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

SAMPLE#	Au* ppb
7400E 1450N	1
7400E 1400N	1
RE 7400E 1400N	1
7400E 1350N	1
7400E 1300N	<1
7400E 1250N	<1
7400E 1200N	1
7400E 1150N	2
7400E 1100N	3
7400E 1050N	2
STANDARD AU-S	46

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

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GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT CREST #2 File # 94-1693 Page 1

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

SAMPLE#	AU* ppb
5100E 4450N	8
5100E 4400N	3
5100E 4350N	1
5100E 4300N	5
5100E 4250N	5
5150E 4450N	55
5150E 4400N	5
5150E 4350N	2
5150E 4300N	4
5150E 4250N	67
5250E 4450N	3
5250E 4400N	4
5250E 4350N	2
5250E 4300N	2
5250E 4250N	1
5300E 4450N	1
5300E 4400N	2
5300E 4350N	3
5300E 4300N	2
5300E 4250N	2
5300E 4000N	3
5300E 3995N	2
5300E 3985N	2
RE 5300E 3985N	3
5300E 3975N	2
5300E 3950N	1
5350E 4000N	2
5350E 3995N	1
5350E 3985N	2
5350E 3975N	1
5350E 3950N	2
5450E 4000N	1
5450E 3995N	2
5450E 3985N	1
5450E 3975N	1
STANDARD AU-S	47

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 15 1994 **DATE REPORT MAILED:** June 20/94 **SIGNED BY.** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	AU* ppb
5450E 3950N	5
5500E 4000N	3
RE 5500E 4000N	2
5500E 3995N	1
5500E 3985N	<1
5500E 3975N	1
5500E 3950N	2
6100E 3150N	1
6100E 3100N	1
6100E 3050N	1
6100E 3000N	2
6100E 2950N	1
6150E 3150N	1
6150E 3100N	1
6150E 3050N	1
6150E 3000N	1
6150E 2950N	5
6250E 3150N	2
6250E 3100N	1
6250E 3050N	1
6250E 3000N	<1
6250E 2950N	1
6300E 4100N	2
6300E 4050N	2
6300E 4000N	1
6300E 3950N	2
6300E 3900N	3
6300E 3600N	230
6300E 3550N	6
6300E 3500N	3
6300E 3450N	4
6300E 3400N	2
6300E 3350N	2
6300E 3300N	2
6300E 3250N	1
STANDARD AU-S	52

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

SAMPLE#	AU* ppb
6300E 3200N	6
6300E 3150N	1
6300E 3100N	2
6300E 3050N	5
6300E 3000N	2
6300E 2950N	1
6350E 4100N	3
6350E 4050N	2
6350E 4000N	2
6350E 3950N	1
6350E 3900N	2
6350E 3600N	1
6350E 3550N	1
6350E 3500N	2
6350E 3450N	1
6350E 3400N	2
6350E 3350N	1
6350E 3300N	3
6350E 3250N	3
6350E 3200N	1
6350E 3150N	2
RE 6350E 3150N	1
6450E 4100N	1
6450E 4050N	14
6450E 4000N	4
6450E 3950N	<1
6450E 3900N	5
6450E 3600N	1
6450E 3550N	2
6450E 3500N	2
6450E 3450N	4
6450E 3400N	4
6450E 3350N	130
6450E 3300N	7
6450E 3250N	2
STANDARD AU-S	53

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

SAMPLE#	AU* ppb
6450E 3200N	4
6450E 3150N	2
6500E 4100N	2
6500E 4050N	2
6500E 4000N	2
6500E 3950N	2
RE 6500E 3950N	1
6500E 3900N	5
6500E 3850N	3
6500E 3600N	2
6500E 3550N	2
6500E 3500N	3
6500E 3450N	1
6500E 3400N	2
6500E 3350N	1
6500E 3300N	3
6500E 3250N	<1
6500E 3200N	1
6500E 3150N	1
6550E 4050N	2
6550E 4000N	1
6550E 3950N	2
6550E 3900N	1
6550E 3850N	2
6650E 4050N	34
6650E 4000N	2
6650E 3950N	79
6650E 3900N	4
6650E 3850N	4
6700E 4050N	3
6700E 4000N	3
6700E 3950N	2
6700E 3900N	1
6700E 3850N	2
6700E 3700N	3
STANDARD AU-S	50

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

SAMPLE#	AU* ppb
6700E 3650N	4
6700E 3600N	1
6700E 3550N	4
6700E 3500N	4
6750E 3700N	2
6750E 3650N	2
6750E 3600N	4
6750E 3550N	1
6750E 3500N	16
6850E 3700N	4
6850E 3650N	5
6850E 3600N	7
6850E 3550N	13
6850E 3500N	16
6900E 3700N	6
6900E 3650N	7
6900E 3600N	8
6950E 3300N	6
6950E 3250N	9
RE 6950E 3250N	4
7050E 3300N	3
7050E 3250N	3
7100E 3300N	10
7100E 3250N	200
7150E 3450N	2
7150E 3400N	1
7150E 3350N	2
7150E 3300N	11
7150E 3250N	7
7450E 4100N	1
7450E 4050N	5
7450E 4000N	1
7450E 3950N	1
7450E 3900N	5
7650E 3750N	16
STANDARD AU-S	52

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

SAMPLE#	AU* ppb
7650E 3700N	3
7700E 3750N	8
7700E 3700N	6
7850E 4200N	3
7850E 4150N	1
7850E 3850N	23
7850E 3800N	3
7850E 3750N	17
7850E 3700N	17
7850E 3650N	12
7850E 3600N	33
7900E 4200N	4
7900E 4150N	7
7900E 3850N	1
7950E 4200N	4
RE 7950E 4200N	4
7950E 4150N	3
7950E 4100N	3
7950E 4050N	21
7950E 4000N	2
7950E 3950N	2
7950E 3900N	2
7950E 3850N	13
8100E 3100N	9
8100E 3050N	2
8100E 3000N	2
8100E 2950N	2
8100E 2900N	1
8100E 2850N	3
8100E 2300N	1
8100E 2250N	1
8100E 2200N	<1
8100E 2150N	1
8100E 2100N	1
8100E 2050N	2
STANDARD AU-S	46

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

SAMPLE#	AU* ppb
8150E 3100N	3
8150E 3050N	1
8150E 3000N	3
RE 8150E 3000N	2
8150E 2950N	2
8150E 2900N	1
8150E 2850N	5
8150E 2300N	2
8150E 2250N	1
8150E 2200N	9
8150E 2150N	1
8150E 2100N	1
8150E 2050N	2
8250E 3100N	1
8250E 3050N	1
8250E 3000N	1
8250E 2950N	2
8250E 2900N	1
8250E 2850N	4
8250E 2300N	38
8250E 2250N	1
8250E 2200N	1
8250E 2150N	60
8250E 2100N	1
8250E 2050N	1
8300E 3100N	5
8300E 3050N	2
8300E 3000N	5
8300E 2950N	7
8300E 2900N	1
8300E 2850N	5
8300E 2300N	<1
8300E 2250N	<1
8300E 2200N	1
8300E 2150N	<1
STANDARD AU-S	51

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

SAMPLE#	AU* ppb
8300E 2100N	3
8300E 2050N	1
8900E 2800N	2
8900E 2750N	2
8900E 2700N	1
8900E 2650N	9
8900E 2600N	2
8900E 2550N	1
8900E 2150N	1
8900E 2100N	2
RE 8900E 2100N	1
8900E 2050N	19
8900E 2000N	4
8900E 1950N	2
8950E 2800N	3
8950E 2750N	3
8950E 2700N	2
8950E 2650N	3
8950E 2600N	2
8950E 2550N	1
8950E 2150N	2
8950E 2100N	1
8950E 2050N	2
8950E 2000N	34
8950E 1950N	1
9050E 2800N	10
9050E 2750N	4
9050E 2700N	2
9050E 2650N	2
9050E 2600N	3
9050E 2550N	3
9050E 2150N	1
9050E 2100N	15
9050E 2050N	4
9050E 2000N	3
STANDARD AU-S	48

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

SAMPLE#	AU* ppb
9050E 1950N	28
9100E 4300N	3
9100E 4250N	1
9100E 4200N	10
9100E 4150N	3
9100E 4100N	3
9100E 2800N	6
9100E 2750N	5
9100E 2700N	6
9100E 2650N	2
9100E 2600N	31
9100E 2550N	2
9100E 2150N	2
9100E 2100N	3
9100E 2050N	14
9100E 2000N	2
9100E 1950N	5
9150E 4300N	3
9150E 4250N	2
9150E 4200N	2
9150E 4150N	13
9150E 4100N	3
9250E 4300N	11
9250E 4250N	1
RE 9250E 4250N	1
9250E 4200N	5
9250E 4150N	10
9250E 4100N	3
9500E 4050N	2
9500E 4000N	22
9500E 3950N	4
9500E 3900N	5
9500E 3850N	16
9550E 4050N	2
9550E 4000N	4
STANDARD AU-S	53

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

SAMPLE#	AU* ppb
9550E 3950N	8
9550E 3900N	4
9550E 3850N	3
9650E 4050N	3
9650E 4000N	2
9650E 3950N	4
9650E 3900N	6
9650E 3850N	4
9700E 4050N	3
9700E 4000N	3
9700E 3950N	17
9700E 3900N	2
9700E 3850N	5
9700E 2800N	6
9700E 2750N	2
9700E 2700N	4
9700E 2650N	13
9700E 2600N	6
9700E 2550N	49
9700E 2500N	4
9700E 2450N	3
9700E 2400N	9
RE 9700E 2400N	4
9700E 2350N	4
9700E 2300N	7
9700E 2250N	3
9700E 2200N	4
9700E 2150N	7
9700E 2100N	3
9700E 2050N	4
9700E 2000N	2
10300E 3990N	2
10300E 3950N	17
10300E 3900N	20
10300E 3850N	5
STANDARD AU-S	52

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

SAMPLE#	AU* ppb
10300E 3800N	2
10300E 3750N	6
10300E 3700N	10
10300E 3650N	4
10300E 3600N	2
10300E 3550N	1
10300E 3500N	2
10300E 3450N	1
10300E 3400N	1
10300E 3350N	4
10300E 3300N	2
10300E 3250N	4
10300E 3200N	3
10300E 3150N	3
10300E 3100N	2
10300E 3050N	2
10300E 3000N	1
10300E 2950N	1
10300E 2900N	1
10300E 2850N	2
RE 10300E 2850N	30
10300E 2800N	3
STANDARD AU-S	47

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

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GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT CREST #3 File # 94-1939 Page 1

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

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
C94-R1	3	7	12	19	.2	9	1	161	.33	2	<5	<2	<2	5	<.2	6	<2	<2	.21	<.001	<2	12	.01	11	<.01	2	.02	.01	.01	3	16
C94-R2	3	116	139	548	3.4	5	4	267	2.28	37	<5	<2	<2	10	34.3	5	<2	5	.13	.023	8	5	.11	69	.02	<2	.47	.05	.10	<1	26
C94-R3	13	131	729	556	1.0	14	9	2260	3.82	153	<5	<2	<2	79	12.1	4	<2	17	11.31	.045	8	2	.50	29	<.01	<2	.33	<.01	.08	<1	82
C94-R4	9	217	19	88	1.0	43	18	170	3.73	18	<5	<2	<2	117	1.0	<2	<2	42	2.25	.264	10	24	.35	46	.07	<2	1.77	.16	.04	1	20
C94-R5	130	197	10	92	8.1	6	10	64	4.56	12	<5	<2	<2	3	2.2	<2	8	3	.04	.004	4	7	.06	21	.01	<2	.36	.02	.10	2	1790
C94-R6	3	32	29	60	1.9	6	1	124	1.25	9	<5	<2	<2	5	.5	4	<2	3	.12	.013	6	6	.07	49	<.01	<2	.47	.02	.14	3	310
C94-R7	12	17	23	27	1.3	9	1	84	.81	<2	<5	<2	<2	3	.6	5	4	3	.07	.007	3	8	.03	32	.01	4	.21	.02	.06	106	630
RE C94-R7	12	17	22	24	1.1	8	1	84	.80	3	<5	<2	<2	3	.7	4	4	3	.06	.007	3	7	.03	32	.01	<2	.20	.02	.06	101	450
C94-R8	19	10	36	33	3.8	7	1	97	.77	<2	<5	<2	<2	3	1.4	4	6	10	.04	.007	3	6	.14	25	.01	<2	.32	.01	.07	30	2140
STANDARD C/AU-R	19	56	39	123	7.3	65	30	1020	3.96	38	16	7	35	48	17.8	14	18	60	.49	.091	37	59	.87	170	.08	32	1.88	.06	.15	14	510

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 P5 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 5 1994 **DATE REPORT MAILED:** July 12/94 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Au* ppb
7500E 5900N	4
7500E 5850N	3
7500E 5800N	2
7500E 5750N	3
7500E 5700N	3
7550E 5900N	10
7550E 5850N	2
7550E 5800N	3
7550E 5750N	2
7550E 5700N	5
RE 7550E 5700N	3
7650E 5900N	2
7650E 5850N	1
7650E 5800N	1
7650E 5750N	2
7650E 5700N	16
7700E 6250N	4
7700E 6200N	2
7700E 6150N	4
7700E 6100N	4
7700E 6050N	3
7700E 5900N	3
7700E 5850N	2
7700E 5800N	3
7700E 5750N	2
7700E 5700N	2
7750E 6250N	2
7750E 6200N	5
7750E 6150N	5
7750E 6100N	3
7750E 6050N	16
7850E 6250N	53
7850E 6200N	16
7850E 6150N	10
7850E 6100N	14
STANDARD AU-S	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples. (10 gm)

SAMPLE#	Au* ppb
7850E 6050N	16
7850E 6000N	4
7900E 6050N	8
7900E 6000N	5
7900E 5950N	8
7900E 5900N	9
7900E 5850N	3
7950E 6050N	13
7950E 6000N	2
7950E 5950N	9
7950E 5900N	2
7950E 5850N	6
8050E 6050N	6
8050E 6000N	4
8050E 5950N	8
8050E 5900N	3
8050E 5850N	4
8100E 6050N	45
8100E 6000N	6
8100E 5950N	8
8100E 5900N	3
8100E 5850N	13
RE 8100E 5850N	4
8700E 6400N	1
8700E 6350N	2
8700E 6300N	2
8700E 6250N	5
8700E 6200N	13
8700E 6150N	5
8700E 6100N	2
8700E 6050N	2
8700E 6000N	32
8700E 5950N	20
8700E 5900N	10
8700E 5850N	2
STANDARD AU-S	51

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

SAMPLE#	Au* ppb
8700E 5800N	2
8700E 5750N	6
8700E 5700N	2
8700E 5650N	5
8700E 5600N	6
8700E 5550N	4
RE 8700E 5550N	3
8700E 5500N	2
8700E 5450N	8
8700E 5400N	12
8750E 6400N	18
8750E 6350N	3
8750E 6300N	3
8750E 6250N	4
8750E 6200N	8
8850E 6400N	2
8850E 6350N	5
8850E 6300N	3
8850E 6250N	4
8850E 6200N	3
8850E 5600N	6
8850E 5550N	2
8850E 5500N	2
8850E 5450N	2
8850E 5400N	4
8900E 6400N	4
8900E 6350N	8
8900E 6300N	3
8900E 6250N	3
8900E 5600N	3
8900E 5550N	2
8900E 5500N	2
8900E 5450N	2
8900E 5400N	2
9150E 6200N	3
STANDARD AU-S	47

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

SAMPLE#	Au* ppb
9150E 6150N	7
9150E 6100N	5
9150E 6050N	23
9150E 6000N	1
9150E 5950N	1
9250E 6200N	3
9250E 6150N	6
9250E 6100N	5
9250E 6050N	9
9250E 6000N	12
9250E 5950N	16
9300E 6200N	5
RE 9300E 6200N	4
9300E 6150N	2
9300E 6100N	4
9300E 6050N	3
9300E 6000N	10
9300E 5950N	34
STANDARD AU-S	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/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT PEN #7/CREST #4 File # 94-3042

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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	Ag** oz/t	Au** oz/t
PE941-VN1	3	27	2	1	3.6	5	2	66	.84	13	<5	15	<2	2	<.2	<2	14	4	.02	.002	<2	9	.02	11	<.01	<2	.08	.01	.02	15	.09	.152
PE941-VN2	3	54	2	7	.4	4	3	134	1.61	10	<5	6	<2	5	<.2	<2	47	14	.07	.009	2	8	.13	52	.03	2	.34	.02	.10	135	.03	.362
CR941-GRAB1	15	56	48	659	2.7	5	5	179	2.98	9	<5	<2	2	31	34.8	3	9	9	.54	.024	3	6	.15	29	.03	2	.66	.05	.10	1107	.13	.005

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: SEP 7 1994 **DATE REPORT MAILED:** Sept 13/94 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 CREST #5 File # 94-3136 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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	SAMPLE lb
CR941-1	4	18	11	41	2.6	7	2	108	1.81	71	<5	<2	3	27	<.2	5	<2	9	.23	.011	7	9	.10	42	.02	5	.66	.04	.16	3	560	22
CR941-2	2	20	6	50	1.0	4	2	251	1.61	52	<5	<2	3	17	<.2	3	<2	11	.22	.012	8	6	.08	48	.01	2	.62	.04	.12	2	200	14
CR941-6	2	13	5	28	.5	<1	1	81	1.73	39	<5	<2	3	55	<.2	2	4	8	.28	.013	7	4	.13	61	.03	<2	.87	.04	.21	1	230	10
CR941-7	3	18	4	34	.8	4	1	124	1.89	33	<5	<2	3	34	<.2	3	<2	9	.28	.011	7	5	.19	61	.05	3	.93	.04	.31	1	170	8
CR941-8	4	15	5	30	.6	<1	1	104	1.53	59	<5	<2	3	22	.3	3	<2	6	.20	.012	7	8	.11	43	.02	4	.67	.04	.19	1	24	16
CR941-8A	4	19	9	30	.6	2	1	107	1.46	32	<5	<2	2	29	<.2	<2	<2	5	.19	.013	5	5	.10	45	.01	3	.62	.03	.14	<1	83	10
CR941-9	2	8	4	40	.1	4	1	112	1.42	6	<5	<2	2	11	<.2	3	3	6	.17	.012	7	9	.12	33	.01	3	.52	.05	.13	1	9	7
CR941-10	2	12	3	42	.1	2	1	121	2.01	8	<5	<2	3	11	<.2	<2	<2	6	.16	.015	7	5	.15	35	.01	4	.61	.03	.15	1	16	8
CR941-11	2	9	2	32	.1	2	2	87	1.46	15	<5	<2	2	14	<.2	2	<2	5	.16	.015	7	4	.13	33	.01	4	.60	.04	.18	<1	8	17
CR941-12	2	8	3	35	.1	5	2	135	1.64	3	<5	<2	3	16	.2	<2	<2	5	.18	.014	6	6	.17	40	.02	<2	.76	.04	.18	1	11	9
RE CR941-12	2	7	5	33	.1	4	1	129	1.62	5	<5	<2	3	16	<.2	2	<2	5	.17	.014	6	5	.16	37	.02	<2	.74	.04	.18	<1	9	-
CR941-13	2	18	6	40	.3	3	1	131	1.86	24	<5	<2	3	17	.2	<2	5	8	.18	.015	5	5	.21	50	.04	3	.85	.04	.27	2	49	15
CR941-14	2	11	9	35	.1	4	2	150	1.53	14	<5	<2	3	15	<.2	<2	<2	5	.18	.014	6	4	.12	41	.02	4	.59	.04	.16	1	13	13
CR941-16	2	15	9	50	.2	6	2	540	1.44	4	<5	<2	3	27	.4	<2	<2	8	.24	.014	8	8	.15	59	.02	5	.68	.05	.16	2	25	14
CR941-20	1	11	4	43	.2	2	2	178	1.48	<2	<5	<2	2	9	<.2	3	<2	5	.24	.013	4	9	.16	32	.02	4	.50	.05	.18	<1	15	16
CR941-21	2	14	9	45	.1	4	2	219	1.58	5	<5	<2	3	16	.2	3	<2	6	.27	.015	5	7	.15	39	.03	2	.52	.04	.18	1	6	20
CR941-22	3	9	6	37	.1	4	2	176	1.55	5	<5	<2	3	23	<.2	<2	<2	6	.30	.014	4	7	.13	41	.02	3	.58	.04	.15	1	5	18
CR941-23	2	14	6	54	<.1	3	2	415	1.26	6	<5	<2	3	14	.6	<2	<2	6	.25	.013	8	6	.12	41	.01	<2	.48	.04	.12	1	3	16
CR941-24	1	9	2	47	<.1	3	2	307	1.43	<2	<5	<2	2	10	<.2	2	<2	6	.28	.013	4	11	.15	33	.03	3	.50	.05	.14	1	3	15
CR941-25	3	11	7	80	.1	5	2	322	2.30	9	<5	<2	3	21	.4	<2	<2	9	.34	.052	5	5	.15	38	.01	5	.77	.04	.12	<1	16	17
CR941-26	2	14	9	105	.2	2	3	262	1.99	11	<5	<2	3	33	1.1	<2	2	16	.38	.043	5	6	.20	41	.02	6	.87	.05	.15	<1	16	16
CR941-27	2	14	11	105	.4	3	3	327	2.22	9	<5	<2	3	31	.8	3	<2	14	.42	.048	4	5	.21	46	.05	2	.91	.04	.19	<1	16	18
STANDARD C/AU-R	18	58	42	125	6.8	68	32	1050	3.96	40	18	7	37	51	17.9	14	22	61	.49	.092	35	60	.92	182	.08	34	1.88	.07	.16	10	540	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 13 1994 **DATE REPORT MAILED:** Sept 22/94 **SIGNED BY** C. Leong ..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** oz/t	SAMPLE lb
CR941-3	2	16	3	29	3.6	5	2	116	1.56	20	<5	<2	2	9	<.2	2	<2	7	.12	.014	14	6	.06	37	.02	<2	.48	.05	.12	3	.018	15
CR941-4	2	20	10	42	2.6	6	1	104	1.89	39	<5	<2	3	33	<.2	2	<2	14	.30	.016	19	10	.09	57	.04	2	.90	.06	.26	3	.014	14
CR941-5	3	15	11	41	1.5	3	2	144	1.59	41	<5	<2	2	24	.2	<2	<2	9	.23	.014	15	6	.08	57	.02	2	.75	.05	.17	2	.009	13
CR941-15	3	12	4	38	.5	5	2	195	1.76	18	<5	<2	3	34	.2	2	<2	8	.27	.020	15	6	.13	61	.02	3	.80	.04	.17	2	.002	10
CR941-18	6	6	3	38	.2	6	2	214	1.54	7	<5	<2	2	21	<.2	<2	<2	5	.25	.015	12	6	.12	51	.03	2	.86	.05	.21	2	.002	9
CR941-19	598	27	11	32	3.8	5	3	117	2.31	14	<5	3	3	25	.3	2	7	7	.28	.016	10	16	.12	56	.03	2	1.01	.06	.20	33	.106	16
CR941-28	11	27	17	76	1.1	4	3	231	2.19	8	<5	<2	<2	20	.6	2	2	14	.37	.044	7	5	.18	47	.07	2	.82	.05	.17	4	.002	22
CR941-29	14	44	84	1666	3.6	6	2	192	3.11	9	<5	<2	<2	22	34.5	2	7	15	.33	.038	8	5	.18	55	.05	6	.88	.05	.16	309	.003	21
RE CR941-29	13	42	78	1604	3.6	6	2	186	2.99	7	<5	<2	2	21	32.8	<2	7	14	.31	.037	7	5	.18	52	.04	5	.83	.05	.16	297	.003	-
CR941-30	8	50	24	56	1.5	3	2	173	3.53	7	<5	<2	2	27	.6	3	4	14	.35	.027	8	5	.19	58	.03	3	1.10	.05	.17	7	.010	16
CR941-31	13	49	13	72	1.8	4	3	248	3.26	8	<5	<2	2	26	.6	<2	2	16	.31	.032	9	4	.21	54	.09	<2	.90	.05	.27	4	.010	17
CR941-32	16	51	14	62	3.9	6	2	211	4.11	14	<5	<2	2	16	.7	<2	9	16	.35	.023	7	6	.14	49	.06	<2	.71	.04	.18	2	.032	18
CR941-33	2	42	5	51	1.0	4	3	217	2.46	5	<5	<2	2	14	.3	2	<2	12	.34	.051	7	5	.20	49	.06	2	.77	.06	.20	6	.001	16
CR941-34	3	30	22	112	.9	6	3	337	2.85	6	<5	<2	<2	22	.5	<2	2	28	.34	.039	10	6	.26	78	.10	<2	1.17	.05	.39	2	.001	12
STANDARD C/AU-1	19	58	39	125	6.9	72	32	1033	3.96	41	16	8	36	51	17.0	14	19	61	.51	.091	40	59	.91	182	.08	34	1.88	.06	.15	10	.099	-

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT CREST #6 File # 94-3204 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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** oz/t	SAMPLE lb
CR941-35	2	30	7	50	.5	4	3	255	2.13	7	<5	<2	<2	15	.2	<2	<2	15	.33	.050	8	4	.20	58	.09	3	.81	.05	.27	4	<.001	21
CR941-36	3	23	6	60	.5	5	2	293	2.24	16	<5	<2	3	23	.3	2	<2	16	.43	.049	10	6	.16	50	.08	3	.84	.05	.18	1	.001	18
CR941-54	1	46	4	72	.3	5	4	372	3.14	7	<5	<2	3	9	<.2	<2	<2	9	.32	.019	12	6	.35	106	.11	<2	1.22	.07	.75	1	<.001	17

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: SEP 16 1994 **DATE REPORT MAILED:** Sept 23/94. **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	SAMPLE lb
CR941-37	2	10	<2	45	<.1	5	3	326	1.63	26	<5	<2	3	19	.4	2	<2	14	.59	.058	14	5	.13	38	.11	<2	.58	.05	.14	1	2	15.0
CR941-38	3	14	12	65	.2	3	3	287	2.47	16	<5	<2	3	30	.4	2	<2	14	.40	.048	15	3	.19	51	.03	2	.89	.04	.14	<1	25	19.0
CR941-39	4	30	6	59	8.0	6	3	197	2.88	3	<5	<2	3	14	<.2	2	6	12	.20	.024	14	7	.37	100	.08	2	1.08	.06	.39	1	1860	16.0
CR941-40	2	21	2	68	.3	5	3	216	2.73	3	<5	<2	3	15	<.2	<2	<2	9	.23	.023	16	8	.44	193	.12	<2	1.20	.09	.58	<1	30	16.0
CR941-41	2	13	<2	52	.3	7	2	175	3.06	<2	<5	<2	2	26	<.2	2	<2	8	.21	.019	14	5	.49	83	.05	<2	1.25	.05	.27	<1	10	20.0
CR941-42	6	23	5	31	.2	4	1	66	1.31	18	<5	<2	2	11	<.2	2	<2	3	.13	.020	16	6	.06	43	.01	2	.50	.05	.11	<1	26	9.0
CR941-43	2	21	8	43	<.1	4	2	125	1.66	21	<5	<2	3	17	.3	<2	<2	6	.18	.021	15	5	.16	72	.05	2	.78	.05	.29	1	3	11.0
CR941-44	1	15	3	71	.1	5	3	309	2.86	2	<5	<2	2	13	<.2	2	<2	12	.20	.022	13	8	.46	100	.14	<2	1.33	.06	.87	<1	13	10.0
CR941-45	2	22	4	64	.1	5	2	465	2.54	2	<5	<2	2	28	.4	3	<2	7	.41	.019	13	9	.40	136	.11	<2	1.21	.05	.53	<1	9	15.0
CR941-46	1	23	8	52	.3	4	2	241	2.24	25	<5	<2	2	14	.3	3	<2	5	.25	.015	12	5	.12	45	.02	2	.71	.03	.13	<1	17	17.0
CR941-47	1	15	8	61	.1	3	2	322	2.04	5	<5	<2	2	20	.4	2	<2	6	.28	.016	19	3	.22	52	.02	4	1.01	.03	.18	<1	5	18.0
CR941-48	2	17	8	71	.1	4	2	283	2.67	19	<5	<2	2	22	.2	2	<2	6	.28	.013	11	4	.19	53	.01	6	1.13	.02	.18	<1	12	21.0
CR941-49	2	19	6	111	<.1	3	3	1195	2.17	13	<5	<2	3	17	1.7	3	<2	5	.24	.016	27	7	.16	59	.01	5	.88	.02	.19	<1	17	20.0
CR941-50	2	17	7	92	.2	5	3	369	2.75	41	<5	<2	2	19	.5	2	<2	9	.23	.017	15	4	.20	79	.03	4	1.18	.03	.25	<1	23	15.0
RE CR941-50	2	17	3	91	.3	4	3	357	2.74	38	<5	<2	2	19	.4	5	<2	9	.24	.017	14	3	.20	76	.03	3	1.18	.03	.25	<1	25	-
CR941-51	1	37	6	112	.4	5	5	388	4.93	6	<5	<2	3	90	.4	2	<2	12	.52	.031	17	2	.60	172	.09	<2	2.39	.05	.60	<1	30	20.0
CR941-52	2	42	6	81	.3	5	5	448	3.07	4	<5	<2	3	15	.4	<2	<2	13	.22	.021	18	8	.41	98	.07	6	1.23	.05	.49	<1	<1	21.0
CR941-53	2	15	4	40	.2	3	2	232	1.73	6	<5	<2	2	11	<.2	<2	<2	6	.29	.017	14	8	.22	55	.03	2	.64	.05	.22	3	33	18.0
CR943-1	3	20	2	49	.4	4	2	270	2.71	5	<5	<2	2	17	<.2	<2	<2	15	.24	.017	11	7	.40	74	.08	3	1.19	.04	.53	1	45	20.0
CR943-2	3	20	4	40	.5	7	2	216	2.24	23	<5	<2	2	28	<.2	2	4	11	.26	.017	15	6	.28	87	.05	4	1.10	.04	.32	<1	92	21.0
CR943-3	2	13	2	48	.2	5	2	173	2.17	6	<5	<2	3	13	.2	2	<2	9	.27	.016	17	8	.31	70	.06	<2	.92	.04	.40	1	23	11.0
CR943-4	2	11	<2	39	.1	1	1	123	2.14	16	<5	<2	2	14	<.2	3	<2	6	.18	.014	18	5	.22	44	.04	<2	.86	.04	.30	<1	7	15.0
CR943-5	3	13	2	37	.2	5	1	368	2.41	43	<5	<2	2	18	.2	4	<2	6	.21	.016	16	6	.22	55	.01	2	.84	.03	.16	<1	22	20.0
CR943-6	2	30	<2	77	.2	6	2	349	3.64	21	<5	<2	2	53	<.2	2	<2	14	.34	.015	15	4	.43	136	.07	<2	1.76	.04	.69	<1	35	14.0
CR943-7	1	18	6	50	<.1	3	1	225	2.63	6	<5	<2	3	22	.2	2	<2	9	.20	.017	14	3	.32	91	.06	3	1.23	.04	.48	<1	18	15.0
CR943-8	2	65	<2	33	.5	6	<1	152	1.58	8	<5	<2	2	23	<.2	2	<2	7	.23	.017	13	9	.17	56	.05	<2	.76	.06	.24	1	10	16.0
CR943-9	1	13	<2	41	.1	4	1	170	1.99	6	<5	<2	3	26	<.2	3	3	8	.21	.016	13	6	.27	82	.07	4	1.08	.05	.46	<1	8	18.0
CR943-10	2	16	<2	26	.1	4	1	95	1.73	61	<5	<2	2	15	.3	4	2	7	.19	.016	15	5	.14	53	.02	3	.72	.04	.22	<1	15	20.0
CR943-11	3	11	2	33	.1	5	1	145	1.61	10	<5	<2	2	10	<.2	2	2	5	.22	.015	15	10	.11	42	.02	<2	.58	.05	.15	1	9	16.0
CR943-12	2	13	2	46	.1	2	1	292	1.70	20	<5	<2	2	12	.2	4	3	4	.26	.016	15	6	.13	45	.01	4	.65	.05	.13	<1	29	18.0
CR943-13	1	15	2	43	.2	3	2	118	1.56	29	<5	<2	2	14	<.2	3	<2	5	.21	.013	12	3	.12	35	.01	3	.62	.03	.12	<1	36	16.0
CR943-14	2	15	2	48	.4	4	3	231	1.35	19	<5	<2	2	13	.4	3	<2	3	.17	.015	15	6	.07	39	<.01	3	.57	.03	.11	<1	54	23.0
CR943-15	3	15	3	35	.5	2	1	111	2.39	35	<5	<2	2	23	.2	3	<2	5	.22	.020	19	3	.20	67	.03	<2	.90	.05	.20	<1	86	20.0
CR943-16	1	13	<2	67	.1	4	2	182	2.58	3	<5	<2	3	8	.2	4	4	6	.23	.020	16	7	.40	96	.08	<2	1.00	.06	.48	<1	18	17.0
CR94-PC1	2	38	<2	12	.7	5	3	137	3.42	<2	<5	<2	2	102	.3	<2	4	27	.91	.092	7	7	.20	40	.12	<2	1.40	.15	.18	13	69	19.0
STANDARD C/AU-R	18	58	38	123	6.7	66	31	1048	3.96	44	19	6	36	51	16.6	14	20	61	.52	.091	40	58	.91	182	.08	34	1.88	.06	.15	11	450	-

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

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 CREST/CR94-7 File # 94-3283 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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	SAMPLE lb
CR941-17	1	14	6	39	.4	3	2	179	1.38	6	<5	<2	2	10	.2	4	<2	5	.27	.016	13	9	.17	65	.06	2	.72	.06	.29	2	17	20
CR942-1	5	27	7	38	1.3	4	1	197	3.11	40	5	<2	2	24	.5	<2	<2	10	.28	.020	16	3	.21	72	.04	<2	1.15	.05	.25	1	89	15
CR942-2	4	29	5	58	1.5	5	1	274	4.05	78	<5	<2	2	22	.6	<2	<2	16	.21	.021	16	5	.26	78	.04	<2	1.35	.04	.36	1	130	15
CR942-3	3	13	5	27	.5	3	1	82	1.80	34	<5	<2	2	18	.3	2	<2	7	.21	.018	18	4	.13	61	.03	2	.81	.06	.18	1	38	14
CR942-4	10	29	12	65	2.5	3	1	152	3.45	38	<5	<2	3	40	.5	<2	2	19	.30	.023	22	5	.31	99	.07	<2	1.34	.04	.44	2	310	15
RE CR942-4	10	29	13	63	2.4	3	1	154	3.37	36	<5	<2	2	39	.6	<2	2	19	.30	.022	21	5	.30	96	.07	<2	1.30	.04	.44	1	390	-
CR942-5	3	23	6	62	1.0	4	1	213	3.77	121	<5	<2	3	34	.4	<2	2	11	.29	.018	17	5	.43	108	.10	<2	1.67	.05	.78	<1	130	15
CR942-6	2	18	6	64	1.1	3	1	241	2.99	8	<5	<2	3	19	.2	<2	<2	8	.11	.018	13	4	.49	110	.12	<2	1.31	.04	.79	2	170	12
CR942-7	1	19	5	36	.5	3	1	97	2.28	19	<5	<2	2	15	<.2	<2	<2	11	.14	.020	21	4	.23	48	.04	<2	1.03	.05	.21	<1	41	20
CR942-8	2	24	7	50	.9	4	1	150	3.64	345	<5	<2	3	22	<.2	2	<2	16	.10	.024	14	4	.34	94	.08	<2	1.35	.04	.48	2	98	18
CR942-9	1	17	8	61	.8	3	1	167	3.15	35	<5	<2	2	39	<.2	<2	<2	11	.13	.028	13	5	.33	105	.09	<2	1.21	.06	.38	1	47	5
CR942-10	2	22	9	49	.6	3	2	142	4.22	328	<5	<2	2	24	<.2	<2	<2	15	.11	.023	16	3	.20	60	.03	<2	1.15	.04	.18	<1	65	13
CR942-11	4	14	13	35	1.3	5	1	112	2.17	30	<5	<2	2	8	<.2	<2	<2	8	.07	.023	11	7	.14	51	.05	2	.65	.06	.22	1	110	7
CR942-12	2	18	10	40	.9	2	<1	146	2.54	15	<5	<2	2	22	<.2	<2	<2	16	.14	.021	10	3	.26	60	.09	<2	1.00	.05	.35	1	68	18
CR942-13	1	23	7	46	.7	2	1	117	4.41	399	<5	<2	2	32	<.2	<2	<2	11	.15	.024	19	2	.21	89	.04	<2	1.36	.04	.28	1	170	17
CR942-14	2	17	7	44	.7	3	1	128	2.95	53	<5	<2	2	12	<.2	<2	<2	9	.10	.022	13	4	.24	90	.08	<2	1.16	.04	.39	<1	100	20
CR942-15	1	32	5	91	1.0	5	3	284	2.93	3	<5	<2	3	8	.4	<2	<2	12	.18	.026	16	5	.39	84	.12	<2	1.08	.07	.50	1	96	8
CR942-19	2	26	4	42	1.0	3	2	181	2.01	33	<5	<2	2	8	.2	<2	<2	9	.19	.021	15	7	.19	50	.06	<2	.63	.05	.24	1	71	10
CR942-20	3	18	5	53	1.2	7	2	215	2.16	11	<5	<2	2	11	.2	<2	<2	8	.16	.019	15	9	.18	70	.05	<2	.75	.07	.27	1	130	9
CR942-21	1	14	3	61	.5	2	2	156	2.21	15	<5	<2	2	13	.2	<2	<2	7	.14	.018	18	3	.17	72	.06	2	.86	.05	.28	<1	96	20
CR942-22	8	14	6	40	.7	3	1	132	1.86	39	<5	<2	2	56	<.2	2	<2	5	.19	.015	15	3	.15	63	.03	2	.79	.04	.18	1	26	13
CR942-23	4	21	8	59	.5	3	2	530	2.36	34	<5	<2	2	35	<.2	<2	<2	6	.26	.016	23	4	.14	59	.01	2	.92	.03	.16	2	72	17
CR942-24	3	17	4	48	1.0	3	2	187	1.99	15	<5	<2	2	25	<.2	2	<2	5	.19	.015	14	4	.15	65	.04	2	.88	.05	.25	2	140	13
CR942-25	4	19	6	56	.5	4	2	410	2.63	17	<5	<2	2	108	<.2	<2	<2	10	.59	.019	17	3	.25	87	.04	2	1.39	.03	.26	1	25	9
CR942-26	4	32	8	79	1.0	4	4	815	3.62	68	<5	<2	2	88	<.2	<2	<2	22	.45	.016	20	6	.21	76	.02	2	1.35	.03	.26	9	190	17
CR942-27	2	15	4	53	.5	3	2	201	1.84	26	<5	<2	2	15	.2	<2	<2	4	.15	.015	16	4	.10	46	.02	2	.73	.04	.18	1	43	8
CR942-28	3	13	14	15	24.1	3	1	78	1.92	33	<5	5	<2	65	<.2	<2	10	6	.16	.015	12	3	.13	60	.03	<2	.73	.03	.15	1	4870	18
CR942-29	3	17	4	60	.9	3	2	227	2.82	38	<5	<2	2	20	.3	<2	<2	8	.19	.017	18	4	.09	33	.01	2	.77	.03	.12	1	140	7
CR942-30	2	10	2	51	.4	4	1	229	2.08	<2	<5	<2	2	10	<.2	<2	<2	7	.11	.020	12	7	.19	77	.11	2	.79	.08	.46	1	56	7
CR942-31	2	12	3	55	.6	4	2	322	1.90	4	<5	<2	2	16	.4	<2	<2	6	.26	.019	11	6	.17	67	.10	<2	.76	.04	.37	1	130	9
CR942-32	2	18	5	53	2.5	3	2	357	2.62	<2	<5	<2	3	33	<.2	<2	<2	11	.18	.016	15	3	.64	74	.12	<2	1.68	.06	.78	1	120	8
CR942-34	5	32	9	14	1.7	2	<1	65	2.62	7	<5	<2	<2	13	<.2	<2	2	7	.09	.015	9	3	.13	32	.04	<2	.59	.03	.22	1	370	7
CR942-38	3	13	5	18	1.4	2	<1	34	2.01	60	<5	<2	2	10	<.2	<2	2	5	.07	.015	13	5	.04	41	.01	2	.42	.03	.11	<1	340	22
CR942-39	2	22	5	24	1.2	3	1	70	2.26	13	<5	<2	2	9	<.2	<2	<2	5	.08	.017	14	4	.08	43	.02	2	.58	.03	.15	1	110	18
CR942-40	2	27	4	21	1.9	2	1	110	1.22	4	<5	<2	2	8	.2	<2	<2	3	.14	.016	10	5	.07	56	.03	2	.49	.05	.13	2	290	20
STANDARD C/AU-R	18	60	38	128	6.9	72	30	1043	3.96	41	19	6	34	50	16.9	14	18	60	.50	.090	42	55	.90	190	.08	33	1.88	.05	.14	11	500	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 21 1994 **DATE REPORT MAILED:** Sept 29/94 **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	SAMPLE lb
CR942-41	2	32	2	36	1.4	4	1	127	2.38	3	<5	<2	3	14	<.2	<2	<2	7	.14	.018	12	11	.16	79	.04	3	.94	.05	.25	3	79	20
CR942-42	4	38	4	29	5.1	6	2	114	2.90	7	<5	<2	2	9	<.2	<2	8	6	.10	.018	11	7	.10	66	.02	3	.67	.06	.20	3	1670	6
CR942-43	2	41	4	30	1.5	4	2	194	2.28	23	<5	<2	2	29	<.2	<2	<2	11	.31	.022	10	5	.15	73	.04	3	1.23	.07	.19	3	230	5
CR942-44	2	32	2	36	.8	5	1	192	1.65	4	<5	<2	2	9	<.2	2	<2	8	.18	.019	12	8	.11	58	.03	2	.67	.06	.20	2	93	14
CR942-45	3	29	8	44	1.2	5	1	123	1.88	13	<5	<2	2	10	.3	<2	2	6	.18	.020	12	10	.07	49	.01	3	.49	.05	.13	3	83	18
RE CR942-45	3	28	6	41	1.1	6	1	128	1.79	11	<5	<2	2	9	.2	<2	<2	6	.17	.019	12	10	.07	48	.01	2	.47	.05	.12	2	84	-
CR942-46	2	16	3	47	.7	7	1	172	1.85	<2	<5	<2	2	8	<.2	2	<2	9	.21	.016	11	14	.15	98	.08	2	.86	.09	.50	2	77	11
CR942-49	3	18	71	332	3.0	4	2	115	1.54	4	<5	<2	<2	6	10.1	2	4	3	.15	.013	9	7	.06	38	.01	2	.37	.05	.11	4	110	15
CR942-52	4	17	27	92	1.9	5	1	138	1.77	8	<5	<2	2	9	.8	<2	3	5	.16	.018	15	8	.04	47	.01	3	.39	.05	.12	2	140	15
CR942-55	2	11	13	91	.3	4	2	186	1.41	24	<5	<2	2	18	.7	2	<2	5	.18	.017	16	5	.07	51	.01	3	.54	.05	.15	2	26	20
CR942-56	2	18	18	59	.7	5	3	204	1.43	4	<5	<2	2	9	.5	2	<2	5	.29	.018	12	8	.10	46	.02	2	.47	.05	.14	2	50	13
CR942-57	2	38	6	81	.3	6	3	431	1.53	11	<5	<2	2	28	1.3	<2	<2	8	.35	.018	15	8	.13	55	.03	2	.73	.05	.16	2	25	20
CR942-58	2	16	3	78	.6	4	2	249	3.27	2	<5	<2	2	11	.2	<2	<2	21	.22	.021	11	9	.36	104	.11	2	1.18	.08	.60	1	15	18
STANDARD C/AU-R	20	64	37	136	7.6	75	32	1069	4.16	42	18	8	37	54	18.5	14	22	61	.50	.093	41	60	.91	186	.09	35	1.97	.06	.16	13	540	-

Sample type: ROCK. 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** oz/t	SAMPLE lb
CR942-16	1	18	23	54	1.1	5	1	151	1.88	10	<5	<2	4	8	.5	5	<2	8	.16	.017	11	6	.18	79	.05	<2	.55	.04	.21	2	.007	4
CR942-17	2	15	7	63	.8	6	1	231	2.04	5	<5	<2	2	8	.2	<2	<2	8	.29	.018	10	10	.20	65	.07	2	.62	.05	.24	1	.007	5
CR942-18	3	35	8	64	2.1	4	2	183	3.03	14	<5	<2	2	7	.4	4	2	12	.19	.021	14	15	.29	52	.08	2	.79	.06	.34	2	.009	4
CR942-33	57	17	15	21	8.0	3	1	64	1.64	7	<5	5	<2	8	.2	2	10	6	.07	.007	4	6	.09	23	.02	2	.40	.02	.11	3	.060	12
CR942-35	16	26	18	17	14.9	6	<1	59	2.96	76	<5	6	<2	11	<.2	3	27	5	.06	.009	9	7	.05	37	.02	<2	.41	.01	.10	6	.242	10
CR942-36	41	61	23	82	8.0	3	2	69	6.72	28	<5	2	<2	9	.5	2	12	9	.04	.014	7	4	.07	28	.03	<2	.58	.01	.13	1	.054	17
CR942-37	21	12	8	19	4.8	2	1	54	1.31	15	<5	<2	2	7	.2	4	8	4	.07	.010	7	6	.07	30	.02	<2	.43	.03	.09	3	.042	16
CR942-47	23	44	24	63	2.7	6	2	98	4.27	21	<5	<2	2	9	1.5	4	4	14	.12	.021	8	8	.09	40	.03	<2	.43	.02	.12	1	.018	18
CR942-48	24	38	270	56	29.6	3	1	74	3.04	11	<5	4	2	5	1.2	3	49	6	.06	.013	8	6	.04	24	.01	<2	.30	.02	.10	1	.061	18
RE CR942-48	25	39	274	56	29.7	3	1	70	3.10	11	<5	2	2	5	1.1	2	49	6	.06	.013	8	7	.04	25	.01	<2	.30	.02	.09	1	.059	-
CR942-50	3	17	23	81	1.0	3	2	126	1.59	5	<5	<2	<2	8	1.6	<2	2	4	.18	.016	11	9	.04	42	.01	<2	.37	.04	.13	<1	.001	9
CR942-51	4	25	40	312	2.4	5	1	83	2.02	12	<5	<2	3	7	10.1	4	11	5	.10	.015	13	10	.04	38	.01	<2	.34	.04	.10	1	.001	10
CR942-53	2	20	164	133	13.6	4	2	106	1.82	5	<5	<2	2	6	5.0	3	28	2	.10	.014	10	9	.03	28	<.01	2	.25	.04	.10	<1	.001	15
CR942-54	3	87	216	553	15.9	3	3	90	2.60	4	<5	<2	2	7	15.8	<2	41	5	.11	.014	8	7	.03	33	.01	<2	.31	.04	.11	<1	.020	15
STANDARD C/AU-1	19	58	40	128	6.7	72	32	1032	3.96	38	17	6	35	50	18.3	14	19	61	.51	.091	40	61	.91	182	.08	34	1.88	.06	.15	10	.102	-

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

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 CREST/CR94-8 File # 94-3334 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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	SAMPLE lb
CR944-1	2	18	12	22	.3	3	2	109	1.94	61	<5	<2	5	12	<.2	3	<2	6	.11	.017	15	3	.09	60	.02	2	.68	.04	.15	2	44	18
CR944-2	2	13	8	35	.4	4	2	106	1.95	62	<5	<2	4	9	<.2	2	<2	11	.11	.017	17	5	.09	64	.02	2	.72	.05	.17	2	61	20
CR944-3	6	13	22	17	1.4	4	1	76	1.38	50	<5	<2	3	10	<.2	2	<2	6	.07	.017	19	4	.04	44	.01	2	.43	.04	.10	4	230	20
CR944-6	2	12	8	26	.3	3	1	186	1.81	17	<5	<2	3	13	<.2	2	<2	7	.24	.015	11	4	.12	55	.03	<2	.93	.05	.17	<1	28	23
CR944-7	1	11	11	18	.3	2	1	109	1.87	21	<5	<2	4	9	<.2	<2	<2	5	.08	.015	12	2	.13	45	.01	2	.81	.03	.16	<1	58	24
CR944-8	2	8	6	25	.1	5	1	136	2.05	24	<5	<2	4	10	<.2	2	<2	6	.07	.016	12	5	.15	64	.02	3	.90	.04	.20	<1	31	23
CR944-9	2	16	55	14	5.3	3	1	58	1.93	139	<5	<2	3	12	<.2	5	2	9	.11	.015	13	2	.05	46	.01	3	.60	.03	.17	1	880	23
CR944-10	1	12	6	29	<.1	3	1	139	1.65	11	<5	<2	3	11	<.2	<2	<2	6	.11	.018	15	7	.10	73	.05	<2	.76	.05	.25	2	32	19
CR944-11	3	13	16	21	.7	3	<1	28	1.56	99	<5	<2	3	12	<.2	5	<2	4	.09	.011	14	3	.03	27	<.01	4	.48	.02	.12	<1	91	23
CR944-12	2	61	56	32	.8	3	1	75	1.48	18	<5	<2	3	10	<.2	3	<2	10	.10	.015	21	4	.04	33	<.01	2	.56	.03	.11	1	39	17
CR944-13	2	28	60	56	1.6	2	1	76	1.41	43	<5	<2	3	8	.3	4	<2	6	.08	.018	21	3	.04	36	.01	2	.54	.05	.12	<1	76	16
RE CR944-13	2	29	63	57	1.3	3	1	80	1.44	43	<5	<2	3	9	.3	5	<2	6	.09	.018	21	3	.04	37	.01	2	.55	.05	.13	1	81	-
CR944-14	2	53	90	78	1.3	3	1	77	2.79	59	<5	<2	3	15	.2	3	<2	25	.16	.018	26	2	.06	32	<.01	3	.77	.03	.17	<1	130	12
CR944-15	2	41	17	55	.2	3	1	113	2.42	37	<5	<2	3	15	.2	2	<2	8	.14	.017	21	3	.07	30	.01	2	.78	.02	.14	1	96	23
CR944-16	1	17	11	141	.3	5	2	218	2.26	10	<5	<2	3	12	1.8	<2	2	6	.21	.020	14	9	.18	97	.10	<2	.89	.06	.50	1	10	13
CR944-17	2	29	8	50	.9	6	2	198	2.19	6	<5	<2	3	6	<.2	<2	2	6	.16	.021	12	6	.15	75	.08	<2	.73	.05	.35	<1	58	14
CR944-18	2	17	5	48	.1	7	3	278	1.25	15	<5	<2	3	25	.2	5	<2	8	.30	.021	16	9	.07	44	.09	<2	.52	.06	.07	2	18	12
CR944-19	2	11	5	51	<.1	3	2	215	1.76	26	<5	<2	2	62	.2	<2	<2	6	.26	.014	14	3	.11	93	.02	3	.93	.03	.10	<1	8	17
CR944-20	2	15	4	84	<.1	8	4	340	2.88	<2	<5	<2	3	17	<.2	<2	<2	6	.21	.021	14	8	.52	190	.13	2	1.32	.06	1.04	1	7	14
CR944-21	2	14	6	50	.3	4	2	184	1.77	11	<5	<2	3	36	<.2	3	<2	10	.21	.019	12	3	.17	112	.07	<2	1.01	.04	.36	1	34	22
CR944-22	1	11	6	68	<.1	5	3	171	1.59	2	<5	<2	2	32	.2	2	<2	9	.17	.021	20	4	.08	63	.03	2	.72	.04	.20	<1	5	19
CR944-23	2	17	4	46	.1	4	2	1061	1.48	5	<5	<2	<2	31	.7	2	<2	9	.17	.016	21	4	.06	89	.02	2	.76	.04	.13	2	6	20
CR944-24	2	14	8	67	<.1	5	3	311	2.11	12	<5	<2	3	25	.2	<2	<2	12	.27	.014	24	5	.12	64	.01	3	1.07	.02	.14	1	13	21
CR944-25	1	8	4	37	.1	4	2	1310	1.26	4	<5	<2	2	11	.2	3	<2	5	.24	.017	18	5	.07	55	.03	3	.58	.05	.18	1	14	17
CR944-26	3	13	6	62	<.1	3	2	229	1.70	15	<5	<2	2	22	.2	2	<2	8	.28	.015	25	5	.10	49	<.01	3	.88	.02	.13	1	9	20
CR944-27	3	21	5	50	.2	7	3	222	2.30	35	<5	<2	3	48	<.2	<2	<2	12	.26	.022	14	7	.17	160	.06	2	1.04	.05	.39	1	10	19
CR944-28	3	7	2	33	<.1	4	1	202	1.36	5	<5	<2	2	10	<.2	<2	<2	3	.25	.016	14	4	.06	28	.02	2	.49	.03	.11	1	47	21
CR945-3	2	61	7	44	.7	3	2	198	1.24	20	<5	<2	3	9	.3	3	<2	5	.18	.019	15	13	.04	77	.01	<2	.42	.04	.11	3	120	8
CR945-4	2	16	4	51	.2	5	2	235	1.31	44	<5	<2	3	201	<.2	2	<2	8	.38	.021	14	5	.14	278	.04	<2	1.09	.03	.14	1	48	6
CR945-5	2	19	5	37	.2	6	2	180	1.39	43	<5	<2	3	47	<.2	4	<2	13	.21	.023	14	8	.13	120	.07	<2	.71	.04	.21	2	34	6
CR945-6	2	17	6	36	.1	4	3	241	1.56	9	<5	<2	2	21	<.2	2	<2	10	.22	.021	14	6	.12	64	.05	<2	.65	.05	.19	2	18	10
CR945-7	39	25	8	52	.3	5	5	164	.96	18	<5	<2	3	7	.5	4	<2	4	.11	.019	16	7	.06	35	.01	3	.39	.04	.10	2	54	9
CR945-9	3	17	6	24	.3	3	1	105	1.90	64	<5	<2	4	23	<.2	2	<2	8	.06	.018	14	2	.11	69	.04	2	.67	.03	.22	<1	21	10
CR945-10	2	13	8	21	.3	3	2	112	1.22	35	<5	<2	2	24	.2	3	<2	4	.32	.018	12	5	.07	50	.01	2	.82	.05	.12	4	46	15
CR945-11	11	22	16	22	.6	5	2	159	1.63	93	<5	<2	2	17	<.2	6	<2	7	.10	.016	14	4	.06	46	<.01	3	.60	.01	.14	1	120	22
STANDARD C/AU-R	19	60	37	126	6.7	73	31	1071	3.96	40	19	5	39	54	19.0	19	22	61	.50	.093	40	61	.94	184	.08	34	1.88	.06	.15	10	520	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 23 1994 **DATE REPORT MAILED:** Oct 4/94 **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	sample lb
CR945-14	2	18	6	47	.3	3	2	211	1.60	10	<5	<2	2	11	.2	4	<2	3	.44	.020	12	9	.09	46	.04	<2	.54	.04	.15	3	13	20
CR945-15	2	33	4	56	.1	5	4	417	2.14	16	<5	<2	2	11	.2	3	<2	6	.14	.019	19	3	.11	45	.01	2	.70	.03	.16	<1	10	20
CR945-16	1	16	9	86	.2	5	4	305	3.07	<2	<5	<2	2	10	<.2	3	<2	7	.36	.022	14	6	.50	97	.13	<2	1.27	.05	1.03	1	24	17
CR945-17	4	42	8	48	.4	5	2	242	2.25	9	<5	<2	2	11	<.2	3	<2	9	.22	.016	15	6	.15	45	.03	2	.84	.04	.17	2	530	11
RE CR945-17	6	39	11	48	.6	5	2	245	2.27	9	<5	<2	2	11	<.2	4	<2	9	.22	.016	15	8	.15	45	.03	<2	.83	.04	.17	3	460	-

Sample type: ROCK. 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** oz/t	SAMPLE lb
CR944-4	5	18	29	33	2.5	7	1	99	1.32	39	<5	<2	2	9	.4	2	8	6	.06	.013	11	7	.06	41	.01	5	.40	.03	.08	2	.011	23
CR944-5	7	9	26	20	2.3	3	1	57	.80	14	<5	<2	<2	10	.9	2	65	4	.05	.006	5	7	.04	33	.01	<2	.25	.02	.06	5	.018	23
RE CR944-5	7	9	22	20	2.4	5	1	57	.81	16	<5	<2	<2	10	1.0	<2	60	4	.04	.006	5	7	.04	33	.01	<2	.25	.01	.06	4	.023	-
CR945-1	3	16	12	40	1.4	3	2	234	1.84	8	<5	<2	2	8	.4	2	<2	10	.15	.016	11	5	.17	80	.01	2	.50	.04	.11	<1	.004	12
CR945-2	2	32	8	36	1.2	5	2	200	1.65	13	<5	<2	3	9	.4	2	<2	7	.14	.018	13	6	.15	75	.02	<2	.47	.03	.12	3	.004	12
CR945-8	7	20	6	41	.6	5	2	319	1.51	49	<5	<2	2	16	.2	2	5	5	.30	.015	11	7	.11	44	.02	3	.52	.03	.11	42	.002	25
CR945-12	8	18	18	19	.7	4	1	63	1.49	55	<5	<2	2	17	<.2	2	4	6	.10	.016	14	4	.10	54	.01	5	.54	.02	.14	3	.002	18
CR945-13	11	13	4	22	.2	4	1	83	.89	25	<5	<2	2	18	<.2	3	<2	3	.11	.015	15	4	.09	75	.01	4	.47	.01	.14	2	.001	19
STANDARD C/AU-1	18	58	39	127	6.8	67	31	1058	4.04	42	20	7	36	51	17.4	14	23	61	.50	.093	40	59	.95	188	.08	33	1.82	.06	.16	14	.096	-

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

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 CREST/OB94-9 File # 94-3451 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: Paul Conroy

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	SAMPLE lb
CR946-1	3	28	96	111	.6	6	2	135	1.92	19	<5	<2	3	34	.5	5	<2	30	.25	.028	13	7	.27	76	.10	3	.87	.06	.34	2	14	6
CR946-3	2	29	21	77	.9	3	3	135	2.07	54	<5	<2	2	12	.8	2	<2	7	.20	.021	13	6	.14	54	.02	3	.65	.04	.11	<1	80	9
CR946-4	4	33	315	141	.9	7	3	167	1.86	192	<5	<2	2	14	1.3	4	<2	6	.20	.019	13	6	.07	60	.02	4	.54	.06	.13	<1	110	6
CR946-6	2	27	63	90	.8	4	2	172	1.42	105	<5	<2	2	7	.6	3	<2	5	.20	.024	11	6	.10	52	.01	3	.52	.05	.11	1	46	10
CR946-7	3	29	11	43	.8	3	3	173	1.81	56	<5	<2	2	10	.3	3	<2	9	.23	.024	11	10	.13	46	.04	2	.62	.04	.10	1	96	12
CR946-8	4	37	64	34	1.1	5	2	117	2.47	28	6	<2	2	10	.2	2	4	11	.20	.023	10	5	.08	42	.09	2	.58	.04	.10	2	590	3
CR946-9	1	13	20	55	.1	3	4	388	1.61	8	<5	<2	2	16	.4	3	<2	9	.40	.032	14	4	.16	66	.10	2	.69	.05	.19	<1	18	9
CR946-10	2	28	8	60	.2	3	4	417	1.81	17	<5	<2	2	26	.3	2	<2	25	.47	.042	12	4	.27	70	.12	<2	.79	.06	.24	<1	73	18
CR946-11	2	7	36	38	.1	4	2	572	.95	5	<5	<2	2	12	.8	2	<2	5	.83	.040	15	7	.32	46	.09	<2	.40	.05	.08	1	38	16
CR946-12	2	22	25	42	.3	6	3	627	1.43	14	<5	<2	3	16	.5	3	<2	7	.60	.035	13	4	.24	60	.10	2	.57	.05	.10	1	17	17
CR946-13	2	18	8	46	.2	8	4	2078	1.76	7	6	<2	2	18	1.3	2	<2	8	.78	.050	17	3	.59	64	.09	2	.62	.05	.06	1	35	10
CR946-14	2	27	21	43	.2	6	3	878	1.72	8	<5	<2	2	14	.4	2	<2	8	.67	.036	15	5	.24	45	.10	3	.68	.06	.14	1	32	13
CR946-15	4	79	15	48	1.5	10	8	1109	2.91	104	<5	<2	3	294	.8	3	8	14	1.29	.036	15	7	.17	188	.10	2	2.07	.07	.20	1	1240	8
CR946-16	4	62	31	39	8.2	5	4	497	2.23	71	<5	6	2	27	1.1	3	68	9	.63	.039	12	6	.12	41	.09	2	.63	.04	.09	6	8840	14
CR946-17	2	47	14	44	.9	5	4	460	3.42	142	6	<2	3	88	.4	5	<2	10	.37	.048	13	3	.26	122	.16	2	1.31	.04	.41	2	140	10
CR946-18	2	18	18	51	.3	6	4	463	1.36	14	<5	<2	3	45	.4	3	<2	19	.40	.032	12	6	.15	56	.11	2	.84	.05	.15	1	40	13
CR946-19	3	54	11	41	1.0	5	3	292	2.36	47	<5	<2	3	34	.4	3	<2	17	.35	.042	10	6	.20	49	.10	3	.87	.04	.18	2	250	13
CR946-21	2	38	16	73	1.0	5	3	531	2.07	34	<5	<2	3	46	.9	5	<2	13	.45	.032	13	3	.15	65	.10	3	.93	.05	.15	2	210	17
RE CR946-21	3	39	14	74	.9	5	3	561	2.11	31	<5	<2	3	46	.7	2	<2	13	.48	.033	14	6	.15	65	.11	2	.95	.05	.15	2	270	-
CR946-24	2	41	17	79	1.0	7	4	577	1.95	12	<5	<2	3	15	.5	2	<2	14	.39	.046	16	4	.15	64	.11	3	.79	.05	.20	1	73	15
CR946-25	5	79	135	459	8.7	5	11	716	4.11	1588	<5	<2	3	13	8.3	7	12	19	.18	.033	16	3	.18	52	.02	2	.93	.04	.11	<1	1120	10
CR946-26	2	24	198	334	.5	3	3	591	3.15	79	<5	<2	3	12	1.1	8	<2	23	.23	.032	19	2	.14	54	.01	4	1.30	.03	.15	<1	21	13
CR946-27	1	29	142	254	.5	3	5	876	2.61	614	<5	<2	3	20	2.9	6	<2	21	.40	.030	16	3	.18	40	.06	2	1.13	.05	.17	<1	32	7
CR946-28	1	24	12	45	.4	4	3	705	2.02	32	<5	<2	3	18	.4	<2	<2	26	.27	.030	11	4	.29	59	.10	3	.95	.05	.33	1	33	14
CR946-29	1	29	24	60	.6	4	2	450	2.33	49	<5	<2	3	11	.7	<2	<2	21	.17	.023	10	3	.34	76	.09	2	1.05	.04	.45	<1	41	22
CR946-30	2	24	14	51	.7	4	3	500	2.25	31	<5	<2	3	14	.4	<2	<2	24	.29	.028	10	4	.30	69	.09	<2	1.00	.04	.34	<1	57	17
CR946-31	1	26	8	69	.4	5	3	710	2.10	21	<5	<2	3	11	.8	3	<2	15	.46	.029	12	5	.15	65	.08	2	.77	.05	.16	<1	23	17
CR946-34	2	42	39	168	1.1	6	3	718	1.84	26	<5	<2	3	9	2.9	3	<2	17	.39	.036	13	8	.11	43	.09	3	.59	.04	.09	<1	42	8
CR946-35	2	44	45	554	.8	4	4	612	1.75	16	<5	<2	3	7	15.5	2	<2	20	.36	.028	14	5	.10	45	.04	3	.49	.06	.10	<1	38	6
CR946-36	3	46	18	213	.9	5	6	627	1.73	30	<5	<2	3	6	5.2	3	<2	18	.33	.032	15	5	.09	38	.03	4	.47	.05	.10	<1	42	9
CR946-37	16	76	58	118	7.2	4	4	271	3.23	670	<5	<2	2	16	3.1	3	10	17	.15	.020	12	3	.09	52	.02	2	.66	.04	.19	<1	1210	15
CR946-38	4	50	52	195	2.1	4	3	718	2.15	39	<5	<2	4	11	3.3	5	2	21	.54	.036	14	5	.19	58	.08	3	.84	.06	.23	1	95	16
CR946-39	11	177	103	360	1.6	4	2	239	5.53	56	<5	<2	4	13	6.3	5	<2	24	.19	.028	13	6	.14	39	.03	3	.78	.03	.18	<1	110	16
CR946-41	2	24	11	77	.6	3	3	395	2.04	46	<5	<2	4	14	.9	2	<2	16	.30	.023	18	3	.20	47	.02	3	1.00	.05	.16	<1	40	14
CR946-42	2	55	51	104	.2	4	4	462	1.98	90	<5	<2	2	167	1.5	4	<2	24	.78	.024	11	4	.25	58	.02	2	1.59	.03	.12	<1	54	18
STANDARD C/AU-R	18	60	38	126	6.8	73	30	1032	3.96	39	18	7	35	50	16.9	14	19	60	.50	.089	39	56	.90	182	.08	33	1.88	.06	.15	10	530	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 29 1994 **DATE REPORT MAILED:** Oct 14/94 **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	SAMPLE lb
CR946-43	1	27	63	87	.2	<1	3	327	1.73	82	<5	<2	4	55	1.0	7	<2	22	.50	.022	14	4	.27	41	.01	2	1.08	.02	.12	2	46	24
CR946-44	1	14	14	52	.2	6	2	234	1.66	37	<5	<2	4	25	.4	3	6	19	.51	.026	15	5	.24	36	.02	<2	1.07	.04	.17	<1	20	17
CR946-45	1	15	6	47	.3	5	3	449	2.10	16	<5	<2	5	121	.8	5	<2	22	.69	.025	14	4	.35	93	.07	<2	1.62	.04	.40	<1	11	18
CR946-46	1	13	6	45	.1	3	3	509	2.21	14	<5	<2	4	46	.8	2	4	27	.43	.024	12	4	.36	76	.10	<2	1.27	.02	.45	1	14	15
RE CR946-46	1	13	3	45	.1	6	2	534	2.26	16	<5	<2	4	47	.6	<2	2	28	.43	.025	12	4	.36	70	.10	3	1.31	.03	.46	1	13	-
CR946-47	2	30	6	28	.3	3	3	288	1.57	20	<5	<2	4	22	<.2	3	4	22	.25	.018	12	4	.20	46	.03	<2	.76	.03	.12	1	36	10
CR946-49	1	12	5	24	.3	4	2	261	1.30	2	<5	<2	3	18	.2	2	2	20	.36	.023	12	5	.20	55	.07	<2	.71	.04	.20	1	54	10
CR946-50	1	9	5	38	.3	5	2	456	1.72	10	<5	<2	4	110	.7	4	3	19	.42	.023	10	4	.31	109	.05	2	1.14	.03	.19	<1	21	14
CR946-51	2	7	3	38	.1	5	3	474	2.15	14	<5	<2	4	96	.3	3	2	24	.41	.018	11	5	.37	129	.08	<2	1.40	.04	.36	<1	96	20
CR946-52	2	16	10	45	.1	6	4	638	2.23	4	<5	<2	3	34	.2	3	<2	28	.49	.024	11	8	.41	76	.08	3	1.35	.04	.34	<1	98	15
CR946-53	1	13	6	34	.2	4	3	487	1.69	4	<5	<2	4	8	.3	2	<2	19	.24	.026	12	5	.22	56	.05	<2	.67	.03	.15	1	51	15
CR946-54	2	10	7	27	<.1	6	2	257	1.23	8	<5	<2	3	10	<.2	<2	4	15	.14	.016	11	6	.17	33	.02	<2	.58	.03	.11	1	13	20
CR946-55	2	12	5	34	1.5	4	4	524	1.53	20	<5	<2	2	25	<.2	2	<2	21	.17	.025	8	5	.18	61	.06	<2	.68	.04	.17	1	120	13
STANDARD C/AU-R	18	57	39	128	6.6	73	31	1040	3.96	41	16	7	36	50	17.2	18	17	60	.51	.091	42	58	.90	182	.08	33	1.88	.06	.15	9	520	-

Sample type: ROCK. 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** oz/t	SAMPLE lb
CR946-2	1	14	5	38	.2	4	3	151	1.17	8	<5	<2	3	64	<.2	<2	<2	17	.53	.023	9	6	.16	33	.08	<2	.77	.04	.20	2	<.001	14
CR946-5	12	28	40	85	5.4	6	8	111	1.79	3425	<5	3	2	18	1.2	4	5	9	.13	.009	11	6	.04	35	.01	<2	.36	.02	.08	1	.066	8
CR946-20	9	34	11	29	1.3	3	2	311	1.50	40	<5	<2	2	20	<.2	<2	10	12	.29	.028	5	8	.08	32	.06	<2	.47	.03	.06	8	.046	8
RE CR946-20	9	33	9	27	1.2	7	2	294	1.46	37	<5	<2	<2	20	.4	<2	7	12	.28	.027	5	8	.08	28	.05	<2	.46	.02	.06	9	.044	-
CR946-22	2	67	9	51	1.3	5	4	488	2.20	31	<5	<2	4	21	<.2	2	4	9	.43	.071	15	4	.09	34	.09	<2	.77	.03	.08	<1	.014	20
CR946-23	2	48	11	80	.6	9	3	431	2.14	33	<5	<2	3	35	1.0	2	<2	14	.33	.030	12	6	.14	59	.11	<2	.79	.04	.20	<1	.001	13
CR946-32	2	55	218	355	2.8	2	2	312	2.35	29	<5	<2	3	9	6.7	<2	6	15	.16	.025	9	4	.11	42	.07	<2	.52	.04	.13	<1	.017	14
CR946-33	2	79	74	501	1.8	11	3	625	2.48	34	<5	<2	3	10	14.6	<2	<2	13	.48	.032	10	8	.14	28	.09	<2	.54	.02	.11	<1	.005	15
CR946-40	4	53	26	141	1.0	8	3	409	1.46	32	<5	<2	2	15	3.4	<2	2	15	.30	.022	12	6	.15	45	.03	3	.83	.04	.17	<1	.003	11
CR946-48	2	42	7	14	2.4	4	1	44	1.47	16	<5	<2	<2	3	.3	<2	4	3	.02	.002	<2	6	.01	8	.01	<2	.09	<.01	.02	2	.009	8

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

APPENDIX "A"

TRENCH ROCK SAMPLES
DESCRIPTIONS & RESULTS

SAMPLE NUMBER	LENGTH (m)	WIDTH (m)	Au (ppb)	Au (oz/ton)	Other (ppm)	Description
CR941-1	2	.2	560			stgrs in sild. volc
CR941-2	.8	.2	200			" "
CR941-3	.6	.5		.018	Ag 3.6	" "
CR941-4	.6	.5		.014		" "
CR941-5	1			.009		" "
CR941-6	1.2		230			" "
CR941-7	.8		170			" "
CR941-8	1.85	.25	24			shear, lim. stained w/ stgrs
CR941-8A	.65		83			stgrs in sild. volc
CR941-9	1		9			rel. unalt. volc
CR941-10	.75	.3	16			shear, lim. stained w/ stgrs
CR941-11	1	.5	8			lim. stained, sild. volc w/ stgrs
CR941-12	1		11, 9			lim. stained sheared volc
CR941-13	1	.5	49			shear, lim. stained w/ stgrs
CR941-14	2.05	.25	13			" "
CR941-15	.75	.25		.002		shear, lim. stained w/ stgrs, tr PY
CR941-16	1	.25	25			shear, lim. stained w/ stgrs
CR941-17	1.5		17			int. sild.volc, tr PY
CR941-18	1			.002		" "
CR941-19	2			.106	W 33, Mo 598, Ag 3.8	QV to 5cm, rare tr PY
CR941-20	2		15			mod sild. volc, tr ds PY
CR941-21	2		6			" "
CR941-22	1.4		5			" "
CR941-23	1		3			shear in sild. volc, tr PY
CR941-24	1		3			mod sild. volc, tr ds PY
CR941-25	.5	.5	16			shear in sild. volc, tr PY
CR941-26	.5	.5	16			" "
CR941-27	2.5		16			" "
CR941-28	1.5	.5		.002		skarn + QV, <1% PY, hi GR
CR941-29	1	.5		.003	W 303, Zn 1635, Cd 33.6, Ag 3.6	" "
CR941-30	1.5	.3		.01		sheared skarn
CR941-31	2			.01		sild. volc + skarn, sheared
CR941-32	.5	.5		.032	Ag 3.9	" "
CR941-33	2			.001		" "
CR941-34	1			.001		sheared skarn + QV pods
CR941-35	1.55	.5		<.001		skarn + QV, <1% PY, hi GR
CR941-36	2			.001		sild. volc + skarn, sheared
CR941-37	.5	.5	2			sheared, bleached volc, tr ds PY
CR941-38	2	.25	25			" "
CR941-39	.7	.3	1860		Ag 8.0	shear w/ QV chips
CR941-40	1		30			lim. stained volc
CR941-41	1.5	.25	10			str lim. stained shear
CR941-42	1		26			skarn, stgrs, tr ds PY
CR941-43	1		3			lim. stained, bleached volc
CR941-44	.5		13			skarn w/ QZ-CB stgrs, tr PY
CR941-45	1		9			QZ-EP-CA knots w/ tr PY
CR941-46	2		17			str lim. stained sild. volc
CR941-47	1.5	.15	5			str lim. stained shear, QV chips
CR941-48	1.5	.15	12			" "
CR941-49	1.5	.15	17			" "
CR941-50	1		23, 25			lim. stained, rel. unalt. volc
CR941-51	1.5	.2	30			str lim. stained shear, QV chips
CR941-52	2		<1			mod hflsd. volc
CR941-53	2		33			str sild. w/ some stgrs, tr PY

TRENCH ROCK SAMPLES
DESCRIPTIONS & RESULTS

SAMPLE NUMBER	LENGTH (m)	WIDTH (m)	Au (ppb)	Au (oz/ton)	Other (ppm)	Description
CR941-54	.2	.2		<.001		QZ pod, tr PY
CR941-GRAB	grab			.005	Zn 659, Cd 34.8, W 1107	grab of skarn + QV, <1% PY, hi GR
CR942-1	1	.2	89			sheared sild. volc, tr ds PY
CR942-2	1	.2	130			" "
CR942-3	.75	.2	38			" "
CR942-4	1		310, 390			" "
CR942-5	1		130			" "
CR942-6	1		170			1cm QV, tr PY rare
CR942-7	1	.4	41			shear in sild. volc, lim. stained
CR942-8	2		98		As 345.0	" "
CR942-9	1		47			" "
CR942-10	2		65		As 328.0	" "
CR942-11	.5		110			" "
CR942-12	.5	.5	68			" "
CR942-13	2		170		As 399.0	" "
CR942-14	2.1	.4	100			" "
CR942-15	1.5		96			str sild. w/ lim. bxwk
CR942-16	.5			.007		QV pod w/ tr PY, CP(?)
CR942-17	1			.007		mod sild. volc, stgrs w/ tr PY
CR942-18	.5			.009		" "
CR942-19	2		71			mod-str sild. volc, stgrs
CR942-20	2		130			" "
CR942-21	1	.5	96			" "
CR942-22	1		26			" "
CR942-23	3.5		72			shear in sild. volc, lim. stained
CR942-24	1	.5	140			mod-str sild. volc, stgrs
CR942-25	1		25			sheared sild. volc, tr ds PY
CR942-26	3		190			" "
CR942-27	1		43			" "
CR942-28	1	.5	4870		Ag 24.1	str sild. volc,stgrs w/ tr PY,MO
CR942-29	1		140			shear in sild. volc, lim. stained
CR942-30	.5		56			str lim. stained str sild. volc
CR942-31	1		130			" "
CR942-32	1		120			" "
CR942-33	1.5			.06	Mo 57, Ag 8.0, Bi 10	QV in skarn, tr PY
CR942-34	.5		370			sild. volc + skarn
CR942-35	1.5			.242	Ag 14.9, Bi 27	QV in skarn, tr PY
CR942-36	1.5	.3		.054	Mo 41, Ag 8.0, Bi 12	skarn w/ many stgrs, tr PY
CR942-37	1	.3		.042	Ag 4.8	" "
CR942-38	1		340			shear in sild. volc, lim. stained
CR942-39	1		110			shear w/ stgrs in sild. volc
CR942-40	.7	.5	290			" "
CR942-41	.5	.4	79			" "
CR942-42	.5		1670		Ag 5.1	" "
CR942-43	.5		230			str sild. skarn?
CR942-44	.75		93			wk skarn
CR942-45	2		83, 84			sild. + skarned volc, stgrs
CR942-46	.5		77			" "
CR942-47	2.4			.018		vuggy QV + skarn, <1% PY,tr CP
CR942-48	2			.061,.059	Mo 24, Ag 29.6, Bi 49	" "
CR942-49	1		110		Ag 3.0, Zn 332, Cd 10.1	mod sild. volc
CR942-50	1.5			.001		mod skarn + siln.,stgrs w/ tr PY
CR942-51	.5	.5		.001	Zn 312, Cd 10.1, Bi 11	" "

TRENCH ROCK SAMPLES
DESCRIPTIONS & RESULTS

SAMPLE NUMBER	LENGTH (m)	WIDTH (m)	Au (ppb)	Au (oz/ton)	Other (ppm)	Description
CR942-52	1.1		140			" "
CR942-53	.75	.5		.001	Ag 13.6, Bi 28	int. siln. + skarn,QVs w/ PY
CR942-54	1	.5		.02	Ag 15.9, Zn 553, Cd 15.8, Bi 41	as prev,incl brcc w/ sulfide band
CR942-55	2		26			shear in sild. volc, lim. stained
CR942-56	.5		50			" "
CR942-57	2		25			" "
CR942-58	.5	.2	15			" "
CR943-1	1.5		45			wk sild. volc, few stgrs,tr PY
CR943-2	2		92			shear in sild. volc, lim. stained
CR943-3	1.5		23			sheared sild. volc, few stgrs
CR943-4	2		7			shear in sild. volc, lim. stained
CR943-5	2		22			" "
CR943-6	1		35			QV chips in shear
CR943-7	1		18			bleached sild. volc
CR943-8	1		10			lim. stained sild. volc
CR943-9	1		8			wk skarn + siln., rare tr PY
CR943-10	2		15			shear, some QV chips
CR943-11	1.5		9			str sild. volc, few stgrs
CR943-12	1.5		29			" "
CR943-13	1.5		36			" "
CR943-14	1.5		54			" "
CR943-15	2		86			shear in sild. volc, lim. stained
CR943-16	1.5		18			str sild.,v. fracd. volc,tr PY
CR944-1	2		44			str sild.,num. stgrs,tr PY
CR944-2	2		61			" "
CR944-3	1		230			str argld. (?) volc, stgrs
CR944-4	.6	.6		.011		2cm (tw) QV, rare bxwk after PY
CR944-5	1.5	.5		.018,.023	Bi 65,60	5cm (tw) QV, as prev, 1 grain MO
CR944-6	2		28			str fracd. lim. stained volc
CR944-7	2	.3	58			shear in mod-str sild. volc
CR944-8	2		31			mod-str sild. volc,stgrs,tr PY
CR944-9	2		880		Ag 5.3	shear in mod-str sild. volc
CR944-10	1		32			" "
CR944-11	2.1	.3	91			" "
CR944-12	1.5		39			" "
CR944-13	1.5		76, 81			mod-str siln.,tr PY, lim. stain
CR944-14	1		130			shear in str sild. volc
CR944-15	1	.5	96			str sild. volc, tr PY
CR944-16	1.5		10			hflsd. + sild. volc, tr PY
CR944-17	1		58			" "
CR944-18	.5		18			str sild. volc, tr ds PY
CR944-19	2		8			str argld. volc, lim. stained
CR944-20	1.25		7			1cm stgr, rare tr PY
CR944-21	1		34			hem. stained sild. volc, stgrs
CR944-22	1.9		5			shear in str sild. volc
CR944-23	1		6			" "
CR944-24	2		13			" "
CR944-25	2		14			str sild. volc, tr ds PY
CR944-26	1		9			shear in str sild. volc
CR944-27	1		10			str sild. volc, tr ds PY
CR944-28	2		47			" "

TRENCH ROCK SAMPLES
DESCRIPTIONS & RESULTS

SAMPLE NUMBER	LENGTH (m)	WIDTH (m)	Au (ppb)	Au (oz/ton)	Other (ppm)	Description
CR946-37	1	.3	1210		As 670.0	str sild. + bleached, tr PY
CR946-38	1.5		95			str sild. volc, tr PY
CR946-39	.5	.25	110		Zn 360	" "
CR946-40	1.5			.003		as prev, also tr AS
CR946-41	1.5		40			str hflsd. volc
CR946-42	1.5		54			big fault zone
CR946-43	2		46			" "
CR946-44	2		20			" "
CR946-45	2		11			" "
CR946-46	1		14, 13			sheared hflsd. volc,some stgrs
CR946-47	1		36			mod argld. volc
CR946-48	.5			.009		1cm quartz vein
CR946-49	1		54			wk sild. w/ some stgrs
CR946-50	1		21			wk shear in mod hflsd volc
CR946-51	2		96			mod lim. stain, few stgrs
CR946-52	1		98			" "
CR946-53	1		51			mod sild. volc, few stgrs
CR946-54	1.5		13			wk argld. bleached volc
CR946-55	1		120			mod hflsd. volc, few stgrs

Fairfield Minerals Ltd.

4000 N
3800 N
3600 N
3400 N
3200 N
3000 N
2800 N
2600 N
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
2200 E
2400 E
2600 E
2800 E
3000 E
3200 E
3400 E
3600 E
3800 E
4000 E
4200 E
4400 E
4600 E
4800 E

SPRING PROPERTY
(Placer Dome Inc. & Golden Pick Res. Ltd.)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,923

LEGEND

SOIL SAMPLE SITES

1994	1990	
▲	▫	LESS THAN OR EQUAL TO 10 PPB AU
△	□	GREATER THAN 10 PPB AU
△	□	GREATER THAN 20 PPB AU
△	□	GREATER THAN 50 PPB AU
△	□	GREATER THAN 100 PPB AU

NOTE: 1994 VALUES LESS THAN 10 PPB NOT PLOTTED

REFER TO FIGURE 2 FOR GRID LOCATION

PROFESSIONAL ENGINEER E. A. BALON BRITISH COLUMBIA GEOSCIENTIST

CREST PROPERTY

Similkameen and Nicola Mining Divisions
NTS 92H/16E, B.C.

AU SOIL GEOCHEMISTRY WEST HALF

SCALE 1 : 10,000

Drawn by WJ
February, 1995

Plate 1

CORDILLERAN ENGINEERING LTD.
1980 – 1055 West Hastings Street Vancouver, British Columbia V6E 2E9

Fairfield Minerals Ltd.

1986 GRID AREA

1994 TRENCH AREA A (Plate 3)

1994 TRENCH AREA B (Plate 4)

Crescent Lake

7000 N
6800 N
6600 N
6400 N
6200 N
6000 N
5800 N
5600 N
5400 N
5200 N
5000 N
4800 N
4600 N
4400 N
4200 N
4000 N
3800 N
3600 N
3400 N
3200 N
3000 N
2800 N
2600 N
2400 N
2200 N
2000 N
1800 N
1600 N
1400 N
1200 N
1000 N
800 N

5000 E 5200 E 5400 E 5600 E 5800 E 6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E 8200 E 8400 E 8600 E 8800 E 9000 E 9200 E 9400 E 9600 E 9800 E 10000 E 10200 E 10400 E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,923

LEGEND

SOIL SAMPLE SITES

1994	1990 & 1986	
▵	▫	LESS THAN OR EQUAL TO 10 PPB AU
△	□	GREATER THAN 10 PPB AU
△	□	GREATER THAN 20 PPB AU
△	□	GREATER THAN 50 PPB AU
△	□	GREATER THAN 100 PPB AU

NOTE: 1994 VALUES LESS THAN 10 PPB NOT PLOTTED
REFER TO FIGURE 2 FOR GRID LOCATION

PROFESSIONAL ENGINEER E. A. DAHN BRITISH COLUMBIA GEOSCIENTIST

CREST PROPERTY

Similkameen and Nicola Mining Divisions
NTS 92H/16E, B.C.

AU SOIL GEOCHEMISTRY EAST HALF

SCALE 1 : 10,000

Drawn by WJ
February, 1995

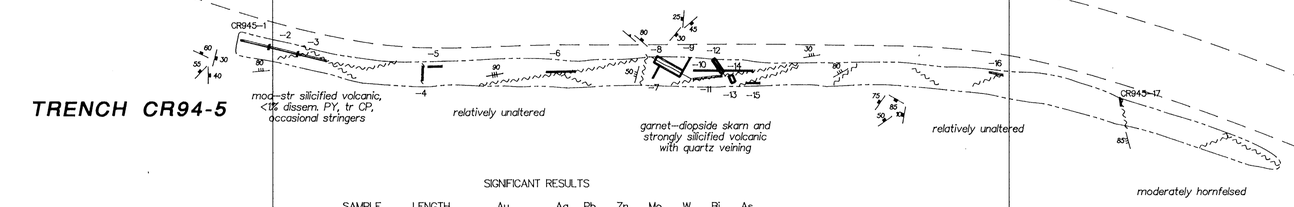
Plate 2

CORDILLERAN ENGINEERING LTD.
1980 — 1055 West Hastings Street Vancouver, British Columbia V6E 2E9

7900E 7950E 8000E

6300N 6250N 6200N 6150N 6100N

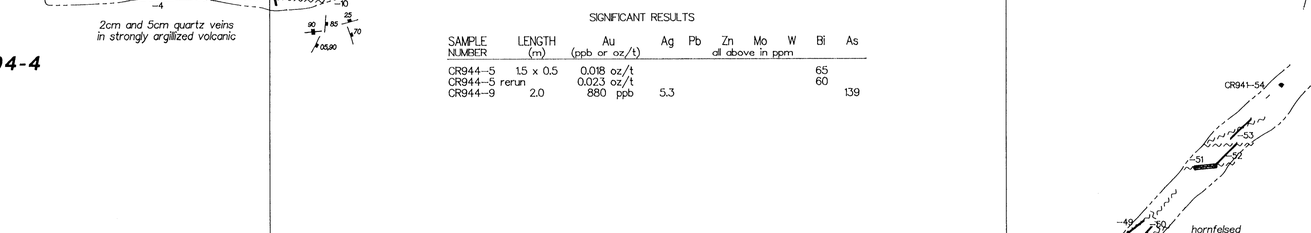
TRENCH CR94-5



SIGNIFICANT RESULTS

SAMPLE NUMBER	LENGTH (m)	Au (ppb or oz/t)	Ag	Pb	Zn	Mo	W	Bi	As
			all above in ppm						
CR945–7	1.0						39		
CR945–8	2.5 x 0.5							42	
CR945–17	0.5	530 ppb							
CR945–17 rerun		460 ppb							

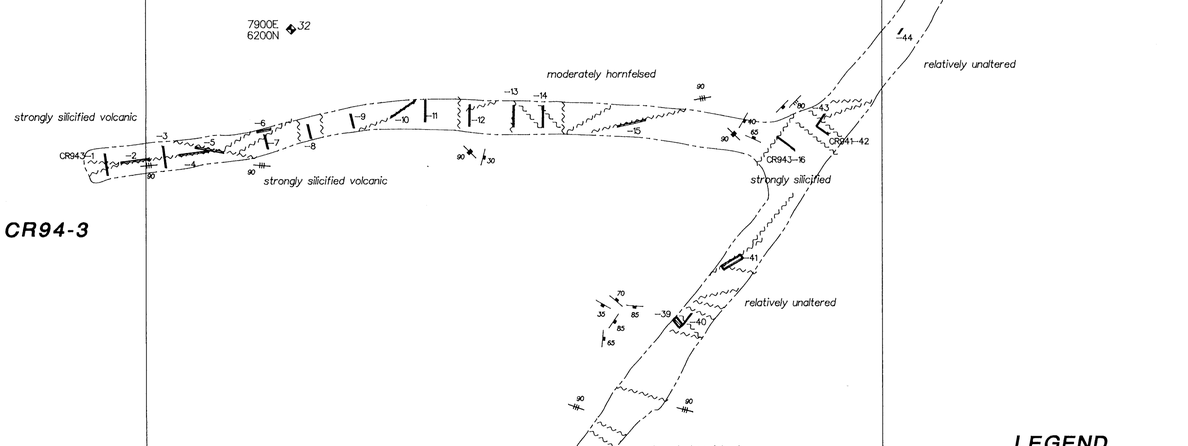
TRENCH CR94-4



SIGNIFICANT RESULTS

SAMPLE NUMBER	LENGTH (m)	Au (ppb or oz/t)	Ag	Pb	Zn	Mo	W	Bi	As
			all above in ppm						
CR944–5	1.5 x 0.5	0.018 oz/t						65	
CR944–5 rerun		0.023 oz/t						60	
CR944–9	2.0	880 ppb	5.3						139

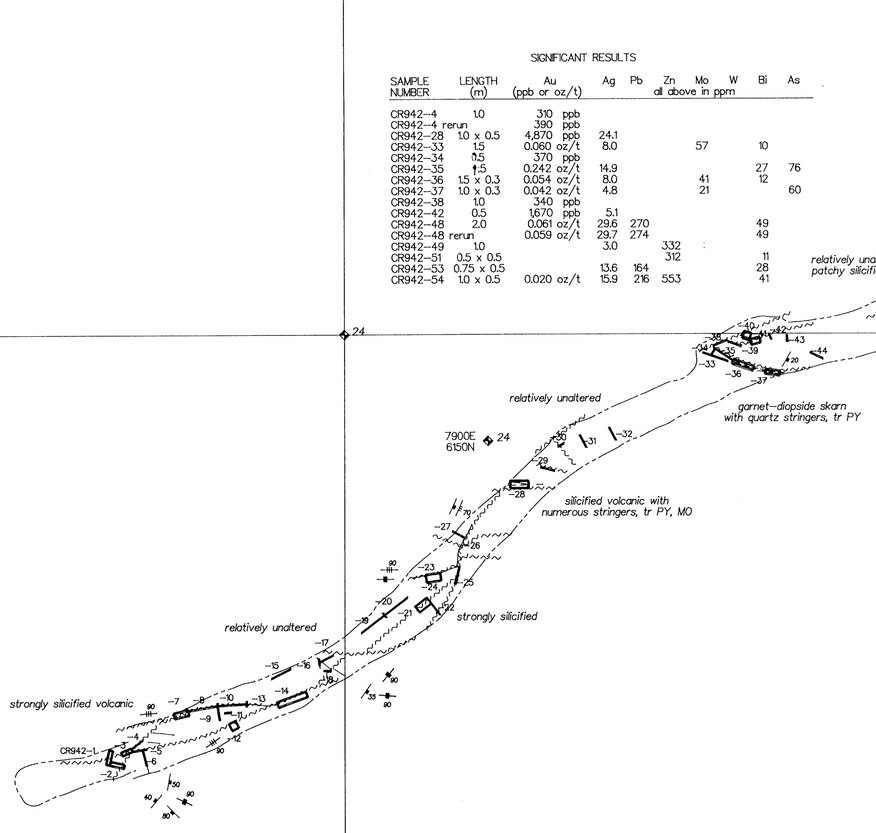
TRENCH CR94-3



SIGNIFICANT RESULTS

SAMPLE NUMBER	LENGTH (m)	Au (ppb or oz/t)	Ag	Pb	Zn	Mo	W	Bi	As
			all above in ppm						
CR942–4	1.0	310 ppb							
CR942–4 rerun		390 ppb							
CR942–28	1.0 x 0.5	4,870 ppb	24.1			57		10	
CR942–33	1.5	0.060 oz/t	8.0						
CR942–34	0.5	370 ppb							
CR942–35	1.5	0.242 oz/t	14.9					27	76
CR942–36	1.5 x 0.3	0.054 oz/t	8.0			41		12	
CR942–37	1.0 x 0.3	0.042 oz/t	4.8			21			60
CR942–38	1.0	340 ppb							
CR942–42	0.5	1,670 ppb	5.1						
CR942–48	2.0	0.061 oz/t	29.6	270				49	
CR942–48 rerun		0.059 oz/t	29.7	274				49	
CR942–49	1.0		3.0		332				
CR942–51	0.5 x 0.5				312			11	
CR942–53	0.75 x 0.5		13.6	164				28	
CR942–54	1.0 x 0.5	0.020 oz/t	15.9	216	553			41	

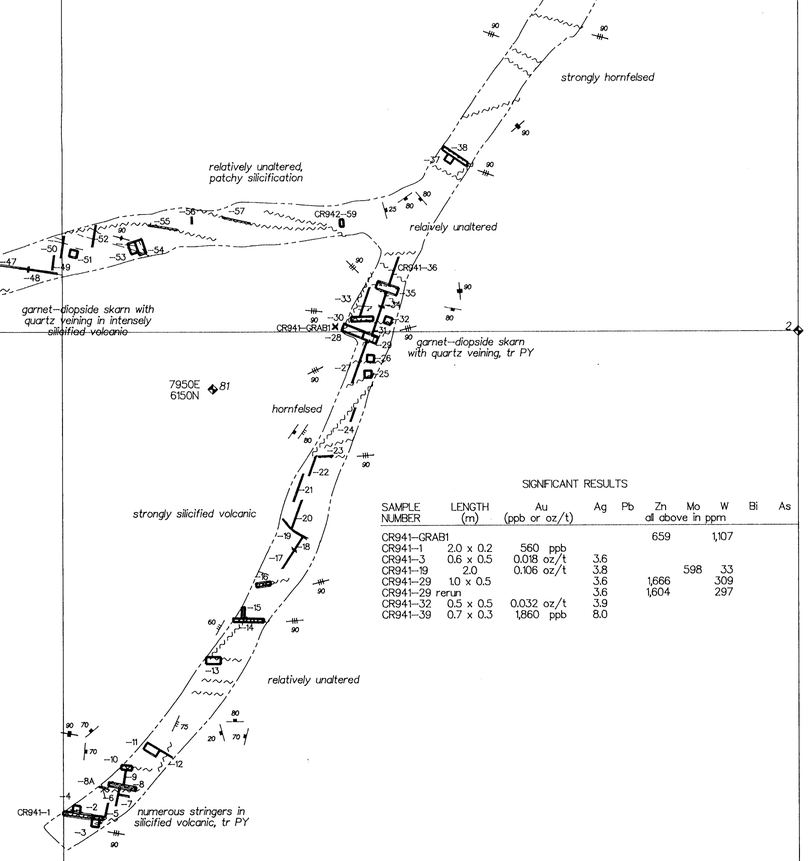
TRENCH CR94-2



SIGNIFICANT RESULTS

SAMPLE NUMBER	LENGTH (m)	Au (ppb or oz/t)	Ag	Pb	Zn	Mo	W	Bi	As
			all above in ppm						
CR941–GRAB1					659		1,107		
CR941–1	2.0 x 0.2	560 ppb							
CR941–3	0.6 x 0.5	0.018 oz/t	3.6						
CR941–19	2.0	0.106 oz/t	3.8			598	33		
CR941–29	1.0 x 0.5		3.6		1,666		309		
CR941–29 rerun			3.6		1,604		297		
CR941–32	0.5 x 0.5	0.032 oz/t	3.9						
CR941–39	0.7 x 0.3	1,860 ppb	8.0						

TRENCH CR94-1



LEGEND

- Upper Triassic Nicola Group volcanics and sediments
- Quartz vein, stringers
- Shears
- Attitude, fracture
- " , shear
- " , vein
- Panel Sample
- Chip/channel sample
- Grab sample
- 7900E 6200N 50 — Soil sample station, coordinates, 1990 results (ppb Au) (where surveyed)
- Survey turning point
- Trench outline
- Roadway

GEOLOGICAL BRANCH ASSESSMENT REPORT

23,923

Fairfield Minerals Ltd.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA P. W. CRABTREE

CREST PROPERTY

Similkameen and Nicola M.D. NTS 92H/16E

AREA A TRENCH PLAN

SCALE 1 : 250

Drawn by PWC	Plate 3
February, 1995	

CORDILLERAN ENGINEERING LTD.

1980 – 1055 West Hastings Street Vancouver, British Columbia V6E 2E9

8300E 8350E 8400E

5950N 5900N 5850N

TRENCH CR94-6

CR946-1

moderately hornfelsed

mod. – strong silicification esp near 1cm quartz vein

strong silicification

numerous stringers

strong skarn and silicification, hi limonite and melanterite staining with trace pyrite, arsenopyrite

moderately hornfelsed

intensely silicified and bleached, numerous stringers with dissem. pyrite and arsenopyrite

strongly hornfelsed with patchy strong silicification

moderate – strong silicification

major fault trending about 70 degrees, high shearing

moderately hornfelsed

1.5cm subhoriz. vein

numerous stringers in patchy silicification

moderately hornfelsed

CR946-55

SIGNIFICANT RESULTS

SAMPLE NUMBER	LENGTH (m)	Au (ppb or oz/t)	Ag	Pb	Zn	Mo	W	Bi	As
			all above in ppm						
CR946–4	1.0			315					192
CR946–5	1.0	0.066 oz/t.	5.4						3,425
CR946–8	1.0	590 ppb							
CR946–15	0.5	1,240 ppb							104
CR946–16	1.0	8,840 ppb	8.2					68	71
CR946–20	0.5	0.046 oz/t							
CR946–20 rerun		0.044 oz/t							
CR946–25	1.0	1,120 ppb	8.7		459			12	1,588
CR946–26	1.0			198	334				79
CR946–32	0.8 x 0.3	0.017 oz/t		218	355				
CR946–33	0.75 x 0.3				501				
CR946–35	1.0				554				
CR946–37	1.0 x 0.3	1,210 ppb	7.2					10	670
CR946–39	0.5				360				

LEGEND

- Upper Triassic Nicola Group volcanics and sediments
- Quartz vein, stringers
- Shears
- Attitude, fracture
- " , shear
- " , vein
- Panel Sample
- Chip/channel sample
- Grab sample
- 7900E 2150N 50 Soil sample station, coordinates, 1986 & 1990 results (ppb Au) (where surveyed)
- Survey turning point
- Trench outline
- Roadway

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,923

Fairfield Minerals Ltd.

CREST PROPERTY	
Similkameen and Nicola M.D. NTS 92H/16E	
AREA B TRENCH PLAN	
SCALE 1 : 250	
Drawn by PWC	Plate 4
February, 1995	
CORDILLERAN ENGINEERING LTD.	
1980 – 1055 West Hastings Street Vancouver, British Columbia V6E 2E9	

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA P.W. CONROY GEOSCIENTIST