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1 9 8 9 GEOCHEMICAL REPORT
ON THE CREST 1-30 MINERAL CLAIMS

Similkameen Mining Division, B.C.
 NTS: 92H-16E; Lat. 49°50'N; Long. 120°06'W

APRIL, 1990 (BC ASSESSMENT REPORT)

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GEOLOGICAL BRANCH
 ASSESSMENT REPORT

19,899

1 9 8 9 . G E O C H E M I C A L R E P O R T
O N T H E C R E S T 1 - 3 0 M I N E R A L C L A I M S

Similkameen Mining Division, B.C.
Latitude 49°50'N; Longitude 120°06'W.
NTS: 92H-16E

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

By

J. D. Rowe, B.Sc.
Geologist

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: April, 1990
Field Period: September 15 to October 16, 1989

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SUMMARY AND CONCLUSIONS

The Crest property, located 27 kilometres west of Peachland, B.C., comprises 30 claims (209 units) in the Similkameen Mining Division. The claims, staked during 1989, are owned 100 percent by Fairfield Minerals Ltd.

Logging roads provide excellent access on the property. The claims cover the gentle to moderate south and west slopes of Pennask Mountain. The lower elevations are extensively covered by glacial till.

Previous exploration by others has been limited, with only one documented program conducted in 1966 during the period of active copper, molybdenum exploration at the nearby Brenda Mine.

The 1989 Crest program, which focussed on gold, consisted of reconnaissance soil lines established along roads which traverse much of the property.

The Crest property overlies the contact between a Jurassic granite to granodiorite batholith and an assemblage of Upper Triassic volcanic and sedimentary rocks. Quartz-feldspar porphyry intrusions are common on the southern claims. Narrow quartz veins containing disseminated pyrite and local chalcopyrite, galena and tetrahedrite cut intrusive and volcanic rocks. Grab samples of quartz vein material have returned values up to 0.25 oz/ton gold. The geological environment is similar to that on the nearby Elk property where high grade gold veins are currently being evaluated.

A total of 661 soil samples were collected at 50 metre intervals on wide-spaced reconnaissance lines and analyzed for gold, silver, copper, zinc, molybdenum and bismuth.

A large number of anomalous gold values were returned from the samples indicating widely scattered areas of potential gold mineralization in the eastern, southern and central claims. The other five elements analyzed did not indicate significant anomalies or coincide with high gold values.

Based upon the wide distribution of anomalous gold geochemistry, favourable geology and gold bearing rock grab samples, the potential to define economic gold deposits on the Crest property is very good. Further exploration is definitely warranted.

2.0

R E C O M M E N D A T I O N S

A 200m by 50m grid should be established over the entire Crest property and soil samples collected for gold analysis. Detailed fill-in sampling on 50m by 50m grids should be completed around stations with anomalous gold values to better define anomalous trends.

The entire property should be geologically mapped and areas of anomalous geochemistry should be prospected.

Selected areas with strong gold geochemical trends should be tested by VLF-EM and magnetometer surveys to help define any major structures which may have localized gold mineralization.

Areas with mineral showings or strongly anomalous gold geochemistry and geophysical signatures should be trenched to bedrock with an excavator. Trenches should be cleaned, mapped and chip sampled.

Respectfully submitted

CORDILLERAN ENGINEERING LTD.



J. D. Rowe, B.Sc.,
Geologist

JR/z
April, 1990

3.0

I N T R O D U C T I O N

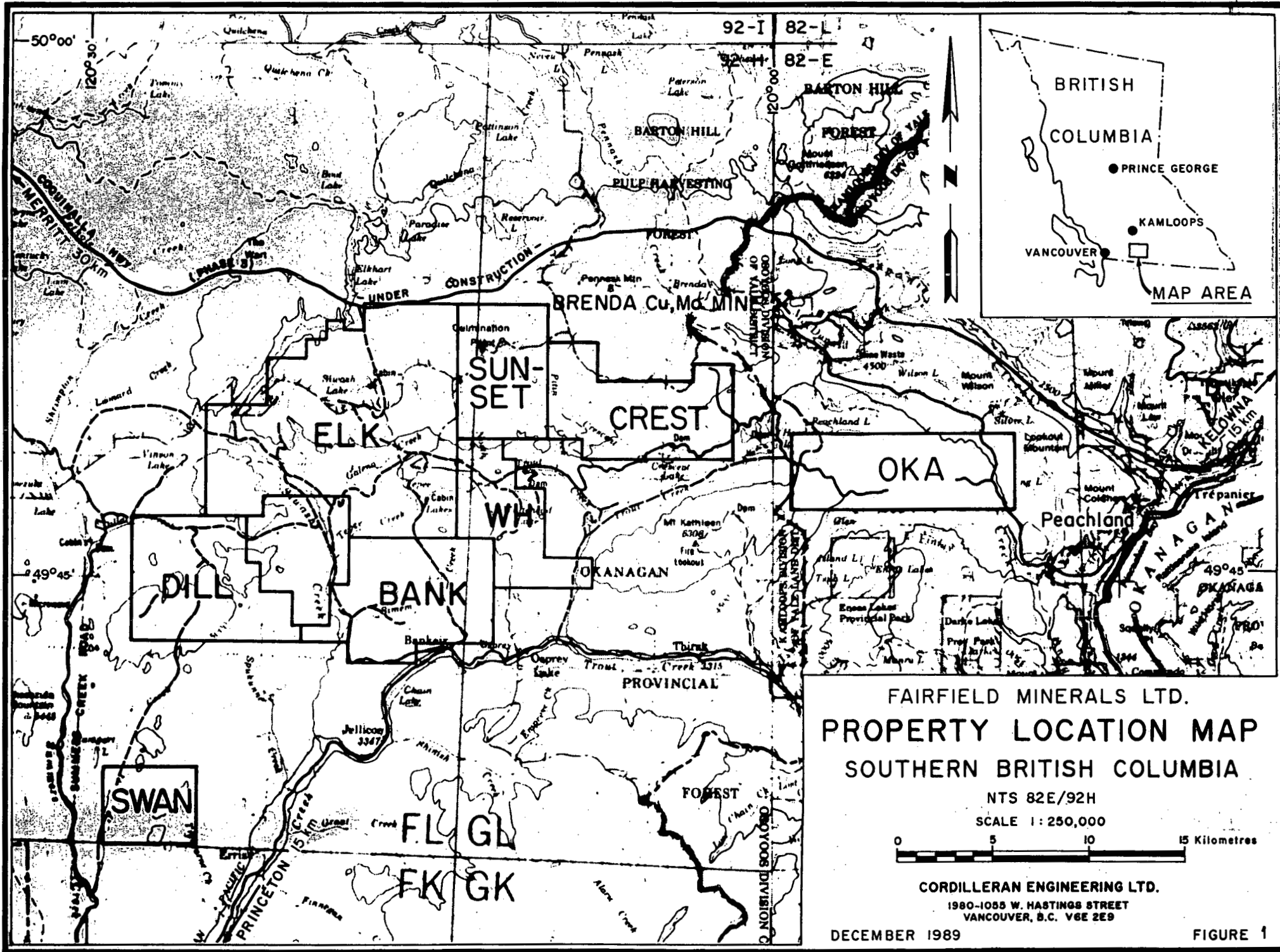
3.1 LOCATION AND PHYSIOGRAPHY (Figure 1)

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°06'W, within NTS map area 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.

The claims cover 5200 hectares on the south side of Pennask Mountain down to Trout Creek in the valley bottom. 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.

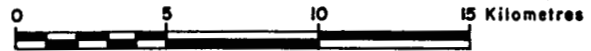
3.2 CLAIM DATA (Figure 2)

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



FAIRFIELD MINERALS LTD.
PROPERTY LOCATION MAP
 SOUTHERN BRITISH COLUMBIA

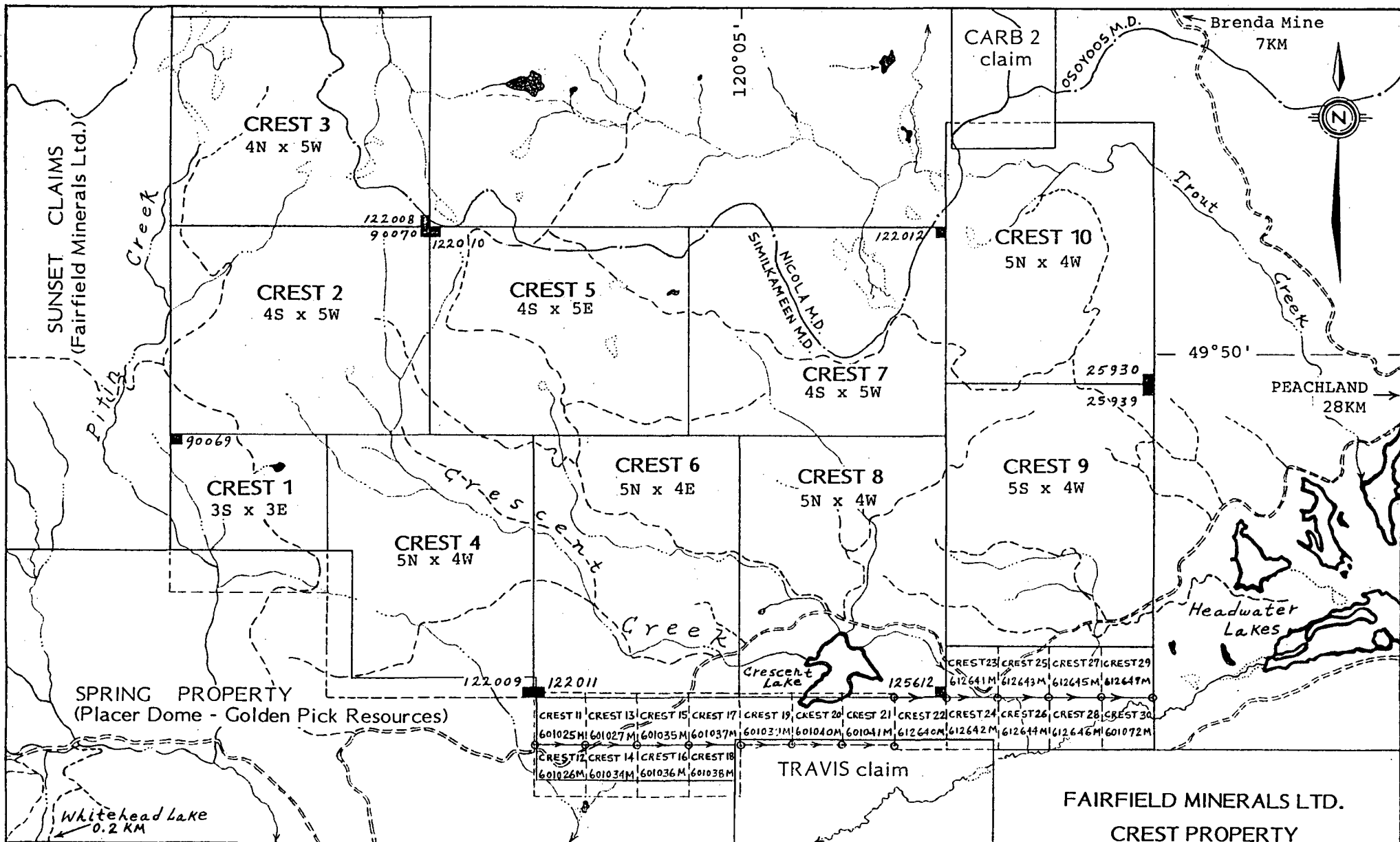
NTS 82E/92H
 SCALE 1:250,000






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

DECEMBER 1989

FIGURE 1



LEGEND

- 
 70070 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.


FAIRFIELD MINERALS LTD.
CREST PROPERTY
CLAIM LOCATION
 Similkameen Mining Division, B.C.
 NTS: 92H/16E
 SCALE: 1:50,000

 By: Cordilleran Engineering Ltd.
 Vancouver, B.C.
 March, 1990 Figure 2

Table 1: CLAIM STATUS as at April 1, 1990

<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
CREST 1	9	3502	13 SEP 1991
CREST 2	20	3503	17 SEP 1991
CREST 3	20	3504	17 SEP 1991
CREST 4	20	3505	13 SEP 1991
CREST 5	20	3506	14 SEP 1991
CREST 6	20	3507	14 SEP 1991
CREST 7	20	3508	16 SEP 1991
CREST 8	20	3509	16 SEP 1991
CREST 9	20	3510	17 SEP 1991
CREST 10	20	3511	16 SEP 1991
CREST 11	2-Post	3512	14 SEP 1991
CREST 12	2-Post	3513	14 SEP 1991
CREST 13	2-Post	3514	14 SEP 1991
CREST 14	2-Post	3515	14 SEP 1991
CREST 15	2-Post	3516	14 SEP 1991
CREST 16	2-Post	3517	14 SEP 1991
CREST 17	2-Post	3518	14 SEP 1991
CREST 18	2-Post	3519	14 SEP 1991
CREST 19	2-Post	3520	15 SEP 1991
CREST 20	2-Post	3521	15 SEP 1991
CREST 21	2-Post	3522	15 SEP 1991
CREST 22	2-Post	3531	29 SEP 1991
CREST 23	2-Post	3532	29 SEP 1991
CREST 24	2-Post	3533	29 SEP 1991
CREST 25	2-Post	3534	29 SEP 1991
CREST 26	2-Post	3535	29 SEP 1991
CREST 27	2-Post	3536	29 SEP 1991
CREST 28	2-Post	3537	29 SEP 1991
CREST 29	2-Post	3538	29 SEP 1991
CREST 30	2-Post	3539	29 SEP 1991

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, high grade gold vein systems are currently being explored by Fairfield Minerals Ltd. on the Elk property where trenching and sampling have revealed two main structures, one of which contains a 115 metre section which averages 0.588 oz/ton gold across a 2-metre true width.

Reconnaissance prospecting and sampling were carried out by Fairfield in the Crest area from 1986 to 1989. Anomalous gold values as well as scattered high values in silver, lead, zinc, copper, arsenic and molybdenum were returned from a number of stream sediment, soil and rock samples. These results prompted staking of the Crest claims in September, 1989.

3.4 1989 EXPLORATION PROGRAM

The 1989 program consisted of reconnaissance soil sampling along roads traversing much of the Crest property, resulting in wide-spaced line coverage with 50 metre sample spacings. Some prospecting and rock sampling were undertaken during claim staking, however most was conducted prior to acquisition. All sample results are included in this report for completeness.

4.0

G E O L O G Y

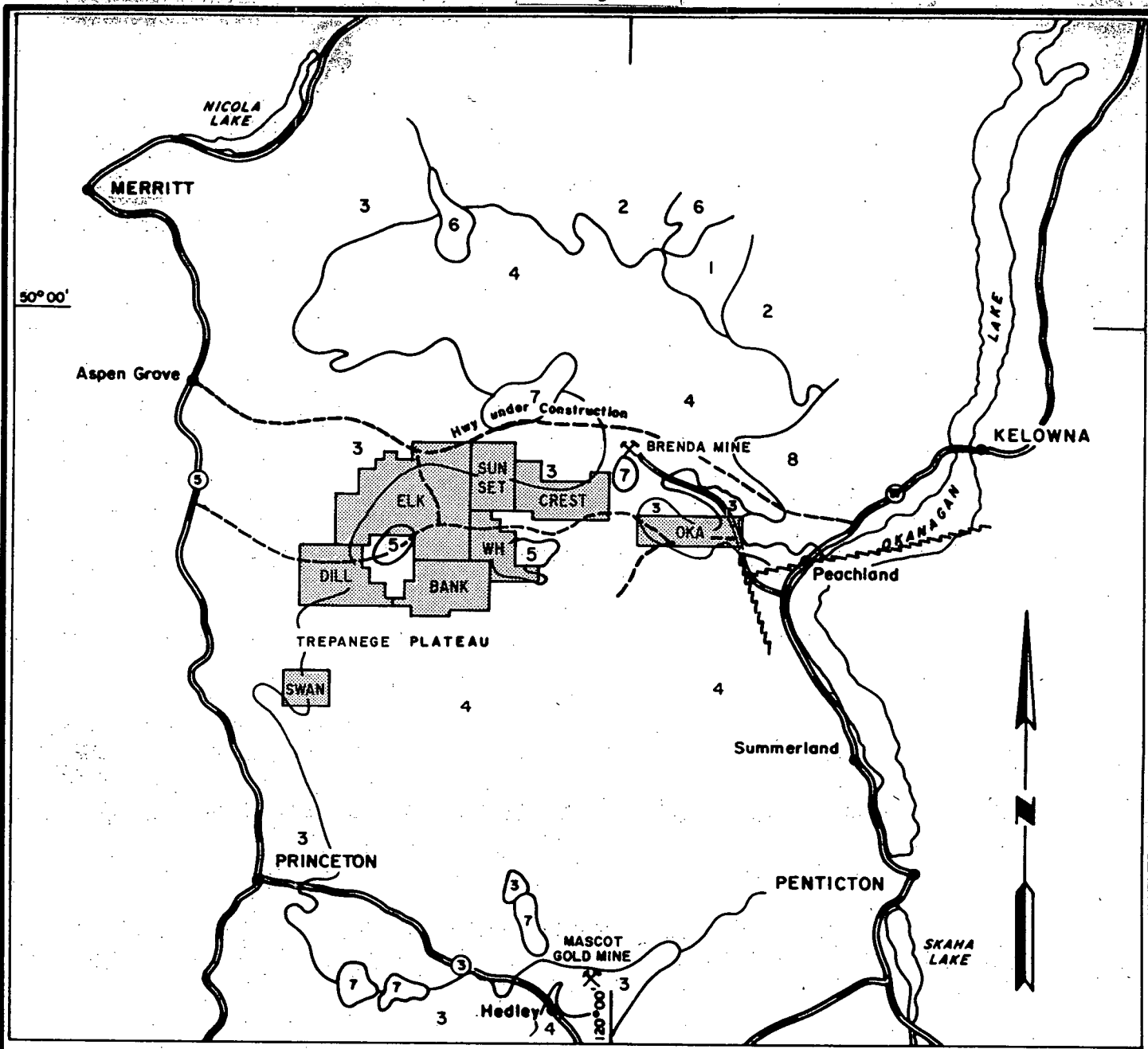
4.1 REGIONAL GEOLOGY (Figure 3)

The Crest property regional geology is illustrated on the northeast part of GSC Map 888A, Princeton, mapped by H. M. A. Rice, 1939-1944 and condensed on Figure 3. The claims straddle the contact between the Pennask Batholith on the south and Nicola volcanic rocks on the north. The batholith comprises white to reddish, coarse grained granite to whitish granodiorite of the Upper Jurassic Coast Intrusions. The Upper Triassic Nicola unit includes massive basalt flows and breccias with lesser interlayered tuff, siltstone and impure limestone.

4.2 PROPERTY GEOLOGY AND MINERALIZATION

The geology of the property was not mapped during this program although several observations were made in the course of prospecting and sampling. Intrusive rocks consist mainly of granodiorite with minor coarse reddish granite, increasing to the west. Large blocks of schistose rocks were observed in the central claims and to the north near the batholith contact. These may be pendants of Nicola volcanic rocks which have been partially melted and recrystallized during the intrusive event, or they may be screens of Precambrian basement rocks which were brought up by the magma body. Dykes and possible small stocks of Upper Cretaceous to Tertiary quartz-feldspar porphyry are abundant on the southern claims, north and west of Crescent Lake. Aplite dykes are common and thought to be 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. Nicola volcanic and sedimentary rocks along the northern boundary are commonly silicified, with abundant disseminated pyrite and pyrrhotite and local calc-silicate development. Fractures and shears in granitic rocks are often enveloped by rusty, clay-altered zones and occasionally contain narrow, white quartz veins. Quartz vein float fragments containing disseminated pyrite, chalcopyrite, galena and tetrahedrite have been collected from various locations on the property. The best gold values have come from grab samples of silicified greenstone with narrow quartz veinlets and disseminated pyrite and pyrrhotite, adjacent to the granite contact in the northeast corner of the property. Sample L44-R4 returned 8650 ppb (0.25 oz/t) gold.

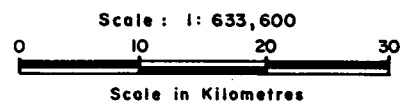
The geological setting is similar to that on the Elk property 11 kilometres to the west, where gold-bearing quartz vein systems cutting the granite batholith are being explored. The Brenda open pit Cu-Mo mine is located near the edge of the batholith, 4 kilometres northeast of the Crest property.



LEGEND

8	Eocene/Oligocene	Andesite flows
7	Miocene/earlier	Princeton Group - shale, sandstone
6	Miocene/earlier	Kamloops Group - rhyolite, andesite
5	Upper Cretaceous	Other Intrusions - granite
4	Jurassic/Cretaceous	Coast Intrusions - granite, granodiorite
3	Upper Triassic	Nicola Group - andesite, basalt, sediments
2	Carbonaceous	Coche Creek Group - argillite, quartzite, andesite
1	Pre Permian	Chaparron Group - schist

FAIRFIELD MINERALS LTD.
PROPERTY LOCATION
 AND
REGIONAL GEOLOGY
 ELK, DILL, BANK, WH, SUNSET,
 CREST, OKA & SWAN PROPERTIES
 THOMPSON-OKANAGAN AREA, B.C.



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

Compiled from GSC Maps 15-1961, 1059A, 866A, 886A

5.0

G E O C H E M I S T R Y

5.1 SAMPLING PROCEDURE

A total of 661 soil samples were collected at 50 metre intervals along reconnaissance lines established on selected roads crossing the Crest property. Northwest-trending roads were generally chosen to test for east- to northeast-trending gold veins. Fifty-metre intervals were measured by hip chain along the road and stations were marked with numbered flagging. Station locations were "tied in" to claim boundaries, road junctions and topographic features. Reconnaissance lines were assigned designators CA through CL and sample numbers increasing in 50m increments from 00. Figure 4 shows the line locations with the first and last samples labelled on each.

Samples were collected, if possible, from the undisturbed "B" soil horizon at the top of the road bank and placed in numbered kraft paper bags. The samples were sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fraction used for gold, silver, copper, zinc, molybdenum and bismuth analyses. Gold was analyzed by atomic absorption following aqua regia digestion and MIBK extraction from a 10 gram sample. Silver, copper, zinc, molybdenum and bismuth were analyzed by ICP on a 0.5 gram sample digested with HCL-HNO₃-H₂O for one hour.

In addition 53 stream sediment and 48 rock samples were collected from the property area, although most were taken prior to claim staking. Two small soil grids and scattered reconnaissance soils have been established in the past. Locations of these samples are shown on Figure 4.

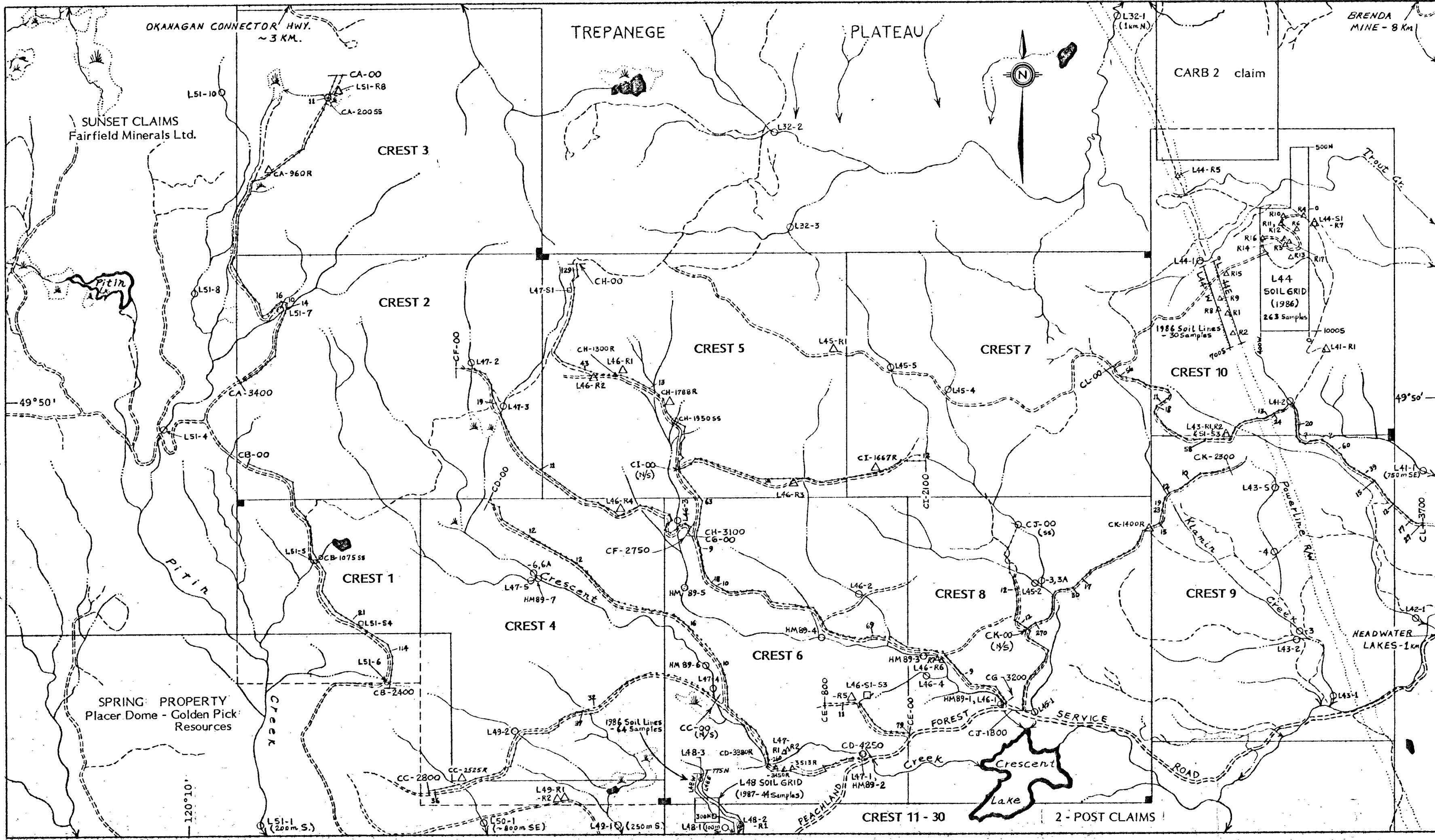
5.2 RESULTS (Figure 4, Table 2)

Soil geochemical results for gold, silver, copper, zinc, molybdenum and bismuth from sample lines CA through CL are appended in section 10.0. Anomalous gold values are plotted on Figure 4. Values from 9 to 14 ppb Au are considered weakly anomalous, those from 15 to 49 ppb Au are considered moderately anomalous and those of 50 ppb Au or greater are deemed strongly anomalous. Values for other reconnaissance stream sediment, soil and rock samples are listed in Table 2 to supplement the results of this program.

The soil lines, although wide-spaced and reconnaissance in nature, returned a number of anomalous gold values with ten samples greater than 50 ppb Au, up to a high of 270 ppb. Locations of anomalous gold samples are scattered but tend to cluster in the area north and west of Crescent lake near a small intrusive body of quartz-feldspar porphyry. Several moderate to high values also occur along northeastern-most line CL which is near the granite-volcanic contact.

A number of weakly to moderately anomalous gold values are centrally located on the property on lines CD, CF and CH. Heavy mineral concentrate sample HM89-05 returned 110 ppb Au from this same area indicating good potential for a local gold mineralized source.

Results for the five other elements analyzed show no correlation with high gold values. Silver bismuth and molybdenum values were all low. Copper and zinc results include a few moderate to high values, up to 233 ppm Cu and 330 ppm Zn, but they are scattered and non-coincident. Only one location (CE-650) returned anomalous values in three elements; 11 ppb Au, 102 ppm Cu and 319 ppm Zn.



LEGEND

- Legal Corner of 4-Post Mineral Claim.
- Access Roads, Trails.
- Stream Sediment
- Soil
- △ Rock

Reconnaissance Sample Sites (1986-88 except as noted below):

1989 SAMPLES:
 L46-4, L51-10, L46 R1-R7, L47 R1-R2, L49 R1-R2, L51-R8, HM 89.1-7 plus all stream sediments (4) and rocks (9) with 1989 Soil Line Numbers, e.g. CA-200ss, CA-960R, etc.

--- 1989 Soil Sample Location Line with 50m Stations. Lines 'CA' to 'CL' - beginning and end metrages noted. Au values > 9 ppb plotted. (N/S) - No Sample.

GOLD GEOCHEMISTRY - ANOMALOUS CATEGORIES (ppb)

	SOIL	STREAM SEDIMENT	ROCK
○ Weak	9 - 14	6 - 10	150 - 1,000
○ Mod.	15 - 49	11 - 29	1,000 - 2,000
○ Strong	> 50	> 30	> 2,000

GEOLOGICAL BRANCH ASSESSMENT REPORT

19,899

FAIRFIELD MINERALS LTD.

CREST PROPERTY

SAMPLE LOCATIONS AND GOLD GEOCHEMISTRY

Similkameen Mining Division, B.C.
 NTS: 92H/16E
 SCALE - 1:25,000



By: CORDILLERAN ENGINEERING LTD.
 Vancouver, B.C.

March, 1990 Figure 4

Table 2

CREST RECONNAISSANCE SAMPLE RESULTS

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
A(i). STREAM SEDIMENT:							
L32 - 1	1	0.1	15	4	66	7	2
2	3	0.4	29	7	172	7	4
3	1	0.4	16	9	120	15	20
L41 - 1	2	0.1	22	9	112	18	3
2	21	0.1	20	6	72	14	2
L42 - 1	7	0.1	16	3	65	6	2
L43 - 1	1	0.1	27	5	105	5	1
2	1	0.1	21	4	35	2	3
3	1	0.1	15	5	53	2	1
4	2	0.4	41	10	173	20	2
5	2	0.1	18	6	79	10	1
L44 - 1	5	0.1	23	6	78	14	1
L45 - 1	2	0.1	20	8	89	4	1
2	7	0.3	25	10	119	4	1
3	33	0.3	32	9	157	6	2
3A	12						
4	1	0.9	28	12	78	12	11
5	1	0.9	31	13	128	8	8
L46 - 1	18	0.2	38	5	76	7	2
2	1	0.3	32	5	104	4	1
3	1	0.2	23	2	64	4	1
4	2	0.4	55		177		2
L47 - 1	1	0.2	25	9	95	2	1
2	1	0.5	47	6	95	4	6
3	1	0.1	18	5	81	2	2
4	1	0.3	21	3	97	2	2
5	1	0.6	23	13	94	2	10
6	29	0.3	25	5	81	2	1
6A	8						
L48 - 1	150	0.3	36	9	66	9	1
2	10						
3	1	0.3	16	11	44	5	1
L49 - 1	1	0.1	20	7	49	4	1
2	1	0.4	24	11	81	3	1
L50 - 1	1	0.1	47	7	55	5	2
L51 - 1	2	0.2	16	8	72	2	2
4	1	0.2	12	5	59	2	1
5	2	0.1	10	7	37	4	1
6	1	0.4	37	8	82	2	1
7	1	0.1	14	3	33	3	1
8	1	0.1	13	10	95	3	3
10	6	0.3	18	7	42	7	3
CA -200ss	11	0.2	7		68		3
CB -1075ss	5	0.1	11		38		2
CH -1950ss	5	0.1	16		59		3
CJ - 00ss	5	0.2	36		151		3
A(ii). BULK STREAM SEDIMENT: (Samples by Placer Dome Inc. personnel)							
HMB9- 01	405						
- 02	170	Highest of 3x - 140 mesh fraction analyses from each sample					
- 03	365						
- 04	25						
- 05	110	Highest of 3x - 140 mesh fraction <u>and</u> 3x - 35 + 140 mesh fraction analyses					
- 06	5	from each sample					
- 07	10						
B. SOIL:							
L43 - S1	22	0.1	117	28	348	58	3
S2	2	0.1	99	23	374	15	5
S3	5	0.1	149	24	263	12	2
L44 - S1	295	0.7	156	536	159	658	16
L46 - S1	7	0.4	225	29	167	12	1
S2	3	0.3	145	18	128	8	1
S3	3	0.4	126	63	391	17	3
L47 - S1	2	0.4	34	16	210	9	7
L48W - 300N	720, 92 (1986/87 Samples at same location)						
L51 - S1	1	0.1	113	4	78	3	1

Table 2 Continued
Crest Reconnaissance Sample Results

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
C. ROCK:							
L41 - R1	6	0.3	215	7	30	6	17
L43 - R1	2	0.5					
	R2	7	0.6				
L44 - R1	4	1.0	9	3	47	185	1
	R2	20	1.4	81	6	940	10
	R3	1,310	2.6	116	4	15	1
L44 - R3A	1,190	1.0					
	R3B	2,210	6.4				
	R3C	.001 oz/t	.02 oz/t				
	R3D	.004 oz/t	.03 oz/t				
	R4	8,650	15.7	409	28	24	15
	R4A	6,790	5.6				
	R5	5	0.5				
	R6	.016 oz/t	.08 oz/t				
	R7	.001 oz/t	.01 oz/t				
	R8	.001 oz/t	.01 oz/t				
	R9	.001 oz/t	.01 oz/t				
	R10	24					
	R11	2,240					
	R12	165					
	R13	4,200					
	R14	31					
	R15	280	0.2				
	R16	2	0.3				
	R17	1	0.1				
L45 - R1	65	4.5	191	19	89	53	244
L46 - R1	8	0.1	8	5	22	9	
	R2	6	0.1	5	2	4	
	R3	2	0.2	35	6	115	12
	R4	1	0.3	175	14	191	19
	R5	4	0.1				
	R6	1	3.6				
	R7	1,680	87.0				
L47 - R1	1	0.3					
	R2	260	16.9				
L48 - R1	3	0.4	349		23	1	
L49 - R1	108	2.4					
	R2	5	0.2				
L51 - R8	33	0.5					
CA - 960R	67	14.3					
CC - 2525R	1	.3					
CD - 3450R	320	3.1					
CE - 3513R	6	.1					
CH - 1300R	2	.1					
CH - 1788R	1	.1					
CI - 1667R	36	3.8					
CD - 3380R	1	.1					
CK - 1400R	1	.1					

6.0

P E R S O N N E L

Days worked - 1989

J.D.Rowe, Geologist
N.Vancouver, BC

Sep 15 - Oct 16

10 days prospecting
and sampling
6 days report preparation

E.A.Balon, Prospector
N.Vancouver, BC

Sep 15 - Oct 16

10 days prospecting
and sampling.

7.0 STATEMENT OF EXPENDITURES

Crest Property
Crest #1-30 (209 units)
September 15, 1989 - February 28, 1990

SALARIES & BENEFITS

J. D. Rowe	16 days	7,200	
E. A. Balon	10 days	<u>3,500</u>	\$10,700

GEOCHEMICAL ANALYSIS

661 Soils	Au, Ag, Cu, Zn, Mo, Bi		6,075
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<u>FOOD, ACCOMMODATION, TRAVEL</u>			700
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<u>VEHICLE, FUEL, FIELD SUPPLIES</u>			650
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<u>FREIGHT, TELEPHONE, MAPS, PRINTING</u>			<u>260</u>
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TOTAL EXPENDITURES				<u>\$18,385</u>
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8.0

R E F E R E N C E S

B.C. MINISTRY OF ENERGY MINES AND PETROLEUM RESOURCES:

Minfile 92H/NE

JAKUBOWSKI, W.:

- 1988: 1987 Geological, Geochemical, Geophysical and Prospecting (Assessment) Report on the Elk Property.
- 1989: 1988 Geological, Geochemical and Trenching (Assessment) Report on the Elk Property.

LORIMER, M.K.:

- 1966: Induced Polarization Survey on the Tail, Head, Sun and Moon Claims. Assessment Report No. 850.

PRETO, V.A.:

- 1979: Geology of the Nicola Group between Merritt and Princeton, B.C.M.M. Bulletin 69.

RICE, H.M.A.:

- 1947: Geology and Mineral Deposits of the Princeton Map-Area, B.C., Geol.Surv. Can. Memoir 243.

9.0 STATEMENT OF QUALIFICATIONS

I, Jeffrey D. Rowe, of North Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 2596 Carnation Street and employed by Cordilleran Engineering Ltd. of 1980 - 1055 West Hastings Street, Vancouver, B.C. V6E 2E9
2. I have received a B.Sc. degree in Honours Geology from the University of British Columbia, Vancouver, BC in 1975.
3. I have practiced my profession for sixteen years in British Columbia, Yukon and Quebec.
4. I am the author of this report and supervisor of the field work conducted on the Crest claims during the period September 15 to October 16, 1989.

CORDILLERAN ENGINEERING LTD.



Jeffrey D. Rowe, B.Sc.
Geologist

JDR/z
Vancouver, BC
April, 1990

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

DATE RECEIVED: OCT 13 1989

Oct. 17/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

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. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

OCT 18 89

Cordilleran Engineering Ltd. PROJECT CREST #1 FILE # 89-4271 Page 1

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CA-00	1	17	56	.2	2	3
CA-50	1	29	62	.2	2	2
CA-100	1	25	72	.1	2	3
CA-150	1	24	50	.2	2	8
CA-200	3	7	68	.2	2	11
CA-250	1	13	44	.1	2	2
CA-300	1	13	40	.2	2	1
CA-350	1	21	44	.1	2	3
CA-400	2	17	52	.1	2	3
CA-450	1	23	68	.2	2	2
CA-500	1	20	90	.1	2	3
CA-550	1	9	72	.1	2	1
CA-600	5	16	161	.1	2	2
CA-650	1	16	66	.1	2	1
CA-700	1	18	61	.1	2	4
CA-750	1	16	65	.2	2	2
CA-800	1	20	79	.2	2	1
CA-850	1	17	57	.1	2	3
CA-900	1	16	119	.1	2	1
CA-950	1	17	48	.2	2	1
CA-1000	1	16	48	.1	2	3
CA-1050	1	14	50	.2	2	1
CA-1100	2	31	83	.1	2	1
CA-1150	2	17	75	.1	2	2
CA-1200	1	17	59	.2	6	4
CA-1250	4	18	74	.1	2	2
CA-1300	1	22	48	.1	2	1
CA-1350	1	31	54	.1	2	3
CA-1400	4	15	93	.1	2	2
CA-1450	2	18	97	.1	2	1
CA-1500	3	20	60	.1	2	1
CA-1550	1	20	45	.2	2	2
CA-1600	1	23	48	.1	2	3
CA-1650	1	19	49	.1	2	1
CA-1700	2	13	59	.2	2	4
CA-1750	2	16	75	.2	2	2
STD C/AU-S	17	57	132	7.1	22	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CA-1800	1	16	76	.2	2	2
CA-1850	1	15	55	.2	2	1
CA-1900	2	18	53	.3	2	2
CA-1950	1	14	53	.1	2	4
CA-2000	2	20	59	.1	2	5
CA-2050	1	16	52	.2	2	2
CA-2100	2	18	71	.1	2	1
CA-2150	1	22	90	.1	2	1
CA-2200	2	65	330	.1	2	6
CA-2250	1	33	114	.1	2	5
CA-2300	1	34	76	.1	2	8
CA-2350	1	30	63	.1	2	2
CA-2400	1	24	52	.1	2	3
CA-2450	1	20	38	.1	2	3
CA-2500	1	16	33	.2	2	3
CA-2550	1	14	43	.1	2	16
CA-2600	1	15	30	.1	2	10
CA-2650	3	28	101	.1	2	14
CA-2700	1	19	36	.1	2	4
CA-2750	1	16	36	.1	2	3
CA-2800	1	23	71	.1	2	7
CA-2850	1	30	66	.1	2	2
CA-2900	1	19	60	.2	2	1
CA-2950	1	19	68	.2	2	2
CA-3000	1	20	46	.1	2	4
CA-3050	1	17	46	.2	2	3
CA-3100	1	27	51	.1	2	3
CA-3150	1	17	44	.2	2	1
CA-3200	1	14	44	.2	2	4
CA-3250	1	11	35	.1	2	1
CA-3300	1	20	72	.1	2	2
CA-3350	1	17	89	.3	2	1
CA-3400	1	21	86	.3	2	2
CB-00	1	12	43	.2	2	1
CB-50	1	11	54	.3	2	3
CB-100	2	10	54	.2	2	1
STD C/AU-S	18	58	132	7.1	22	48

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CB-150	1	12	70	.2	2	3
CB-200	1	21	83	.2	2	4
CB-250	1	8	29	.2	2	3
CB-300	1	13	34	.2	2	4
CB-350	1	12	34	.3	2	5
CB-400	1	9	30	.1	2	5
CB-450	1	9	34	.1	2	4
CB-500	1	15	60	.1	2	6
CB-550	1	11	57	.1	2	4
CB-600	1	11	42	.1	2	8
CB-650	1	21	51	.1	2	5
CB-700	1	10	45	.1	2	3
CB-750	1	11	33	.3	2	4
CB-800	1	14	35	.1	2	3
CB-850	1	7	47	.1	2	5
CB-900	1	19	68	.2	2	2
CB-950	1	10	46	.3	2	2
CB-1000	4	14	78	.1	2	2
CB-1050	5	25	78	.2	2	4
CB-1075SS	2	11	38	.1	2	5
CB-1100	1	9	84	.1	2	4
CB-1150	1	13	138	.3	2	4
CB-1200	1	10	28	.1	2	8
CB-1250	1	14	32	.1	2	3
CB-1300	1	10	48	.2	4	5
CB-1350	1	13	112	.2	3	3
CB-1400	2	15	80	.1	2	1
CB-1450	1	10	37	.1	2	4
CB-1500	1	15	57	.1	2	5
CB-1550	1	13	78	.1	2	9
CB-1600	1	14	60	.1	2	3
CB-1650	2	22	129	.2	2	2
CB-1700	1	12	63	.1	2	21
CB-1750	1	12	44	.1	2	3
CB-1800	1	18	79	.1	2	8
CB-1850	1	18	100	.2	2	5
CB-1900	1	18	49	.1	2	7
STD C/AU-S	17	58	132	7.1	20	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CB-1950	1	16	42	.1	2	1
CB-2000	1	17	57	.1	2	3
CB-2050	1	16	37	.1	2	1
CB-2100	1	9	44	.1	2	114
CB-2150	1	14	51	.2	2	4
CB-2200	1	21	58	.1	2	1
CB-2250	1	28	72	.1	2	5
CB-2300	1	33	77	.1	2	4
CB-2350	1	21	126	.1	2	1
CB-2400	1	31	77	.1	2	8
CC-50	1	20	78	.1	2	6
CC-100	1	18	48	.1	2	2
CC-150	1	18	106	.1	2	2
CC-200	1	24	122	.2	2	1
CC-250	1	19	107	.2	2	4
CC-300	1	20	96	.1	2	1
CC-350	1	12	58	.1	2	1
CC-400	1	15	78	.1	2	4
CC-450	1	21	51	.2	2	4
CC-500	1	17	47	.1	2	2
CC-550	3	38	62	.1	2	1
CC-600	1	31	54	.2	2	2
CC-650	1	26	50	.1	2	5
CC-700	1	20	51	.2	2	1
CC-750	1	17	49	.1	2	1
CC-800	1	18	53	.2	2	1
CC-850	1	16	45	.1	2	1
CC-900	1	28	51	.1	2	1
CC-950	1	22	56	.1	2	3
CC-1000	1	30	65	.1	2	4
CC-1050	1	48	69	.1	2	4
CC-1100	1	21	65	.1	2	2
CC-1150	1	10	34	.1	2	32
CC-1200	1	24	71	.1	2	3
CC-1250	1	21	93	.1	2	37
CC-1300	1	24	70	.2	2	8
STD C/AU-S	18	57	132	7.1	19	49

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CC-1350	1	21	40	.1	2	4
CC-1400	1	16	55	.1	2	3
CC-1450	1	15	67	.1	3	2
CC-1500	1	13	62	.1	2	1
CC-1550	1	6	115	.2	2	1
CC-1600	1	12	108	.1	2	1
CC-1650	1	15	63	.1	2	3
CC-1700	1	12	55	.1	2	2
CC-1750	1	10	83	.1	2	1
CC-1800	1	22	83	.1	2	1
CD-00	1	20	89	.2	2	1
CD-50	1	20	43	.1	2	3
CD-100	1	26	63	.1	2	1
CD-150	1	36	60	.1	2	4
CD-200	1	31	47	.1	2	3
CD-250	1	40	85	.2	2	1
CD-300	1	233	104	.1	2	8
CD-350	1	126	116	.1	2	1
CD-400	1	54	139	.1	2	1
CD-450	4	219	174	.1	2	12
CD-500	1	27	105	.2	2	6
CD-550	1	44	104	.1	2	1
CD-600	1	66	119	.1	2	1
CD-650	1	40	72	.1	2	1
CD-700	1	26	158	.5	2	1
CD-750	1	26	122	.3	2	1
CD-800	1	43	101	.1	2	3
CD-850	1	104	139	.1	2	1
CD-900	1	33	62	.1	2	12
CD-950	1	35	74	.1	2	2
CD-1000	1	34	48	.1	2	7
CD-1050	1	36	46	.1	2	2
CD-1100	1	18	67	.2	2	1
CD-1150	1	25	79	.5	2	1
CD-1200	1	44	76	.1	2	3
CD-1250	3	80	104	.3	2	3
STD C/AU-S	18	59	132	6.5	23	52

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CD-1300	1	28	55	.1	2	4
CD-1350	1	35	49	.1	2	6
CD-1400	1	22	50	.1	2	4
CD-1450	1	22	69	.1	2	1
CD-1500	1	14	54	.1	2	1
CD-1550	1	14	46	.1	2	1
CD-1600	1	28	60	.1	2	4
CD-1650	1	14	57	.1	2	1
CD-1700	1	13	55	.1	2	1
CD-1750	1	25	42	.1	2	6
CD-1800	1	25	37	.1	2	3
CD-1850	1	22	38	.1	2	5
CD-1900	1	31	48	.1	2	1
CD-1950	1	26	44	.1	2	16
CD-2000	1	23	54	.1	2	2
CD-2050	1	18	77	.1	2	1
CD-2100	1	43	78	.1	2	3
CD-2150	1	23	64	.1	2	9
CD-2200	1	25	87	.1	2	2
CD-2250	1	36	118	.1	2	1
CD-2300	1	28	106	.2	2	4
CD-2350	1	34	93	.1	2	10
CD-2400	1	34	98	.1	2	1
CD-2450	1	51	71	.1	2	6
CD-2500	1	28	116	.1	2	2
CD-2550	1	21	119	.1	2	2
CD-2600	1	15	113	.1	2	2
CD-2650	1	34	66	.1	2	2
CD-2700	1	48	108	.1	2	2
CD-2750	1	32	129	.1	2	2
CD-2800	1	43	116	.1	2	3
CD-2850	1	23	75	.1	2	3
CD-2900	1	30	96	.1	2	2
CD-2950	1	27	69	.1	2	5
CD-3000	1	13	59	.1	2	1
CD-3050	1	17	127	.1	2	5
STD C/AU-S	18	58	132	6.6	20	47

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CD-3100	1	18	80	.1	2	1
CD-3150	1	27	58	.1	2	3
CD-3200	1	18	103	.3	2	1
CD-3250	1	18	151	.2	2	260
CD-3300	2	23	140	.1	2	5
CD-3350	1	18	51	.1	2	3
CD-3400	1	12	49	.1	2	2
CD-3450	1	17	57	.1	2	4
CD-3500	1	19	75	.1	2	5
CD-3550	1	13	67	.2	2	2
CD-3600	1	11	62	.1	2	4
CD-3650	1	13	65	.1	2	1
CD-3700	1	19	66	.2	3	1
CD-3750	1	14	85	.1	2	1
CD-3800	1	15	70	.1	2	2
CD-3850	1	14	65	.2	2	4
CD-3900	1	8	67	.1	2	4
CD-3950	1	18	50	.1	2	3
CD-4000	1	14	89	.2	2	1
CD-4050	1	19	122	.1	2	1
CD-4100	1	31	118	.1	2	3
CD-4150	1	27	110	.1	2	3
CD-4200	1	18	160	.1	2	1
CD-4250	1	44	131	.1	2	6
CE-00	1	14	60	.1	2	79
CE-50	1	18	131	.1	2	1
CE-100	1	13	99	.2	2	3
CE-150	1	11	127	.1	2	1
CE-200	1	17	128	.1	2	2
CE-250	1	35	126	.1	2	1
CE-300	1	25	164	.1	2	3
CE-350	1	114	80	.3	2	1
CE-400	1	21	119	.1	2	1
CE-450	1	25	148	.1	2	4
CE-500	1	28	101	.1	2	1
CE-550	1	54	145	.1	2	1
STD C/AU-S	18	58	132	7.2	22	51

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CE-600	1	86	216	.1	3	1
CE-650	1	102	319	.1	2	11
CE-700	1	41	171	.1	2	1
CE-750	1	23	134	.1	2	2
CE-800	1	27	139	.1	2	1
CF-00	1	22	114	.1	2	8
CF-50	1	35	69	.1	2	4
CF-100	2	35	70	.1	2	3
CF-150	2	37	66	.2	2	1
CF-200	1	34	68	.1	2	5
CF-250	1	40	73	.1	2	3
CF-300	1	48	82	.1	2	3
CF-350	2	55	92	.1	2	5
CF-400	1	32	59	.1	2	3
CF-450	1	42	73	.1	2	4
CF-500	1	23	58	.1	2	19
CF-550	1	30	51	.1	2	2
CF-600	2	24	69	.1	2	3
CF-650	1	32	54	.1	2	3
CF-700	1	33	52	.1	2	5
CF-750	1	15	37	.1	2	1
CF-800	1	21	45	.1	2	3
CF-850	1	53	66	.2	2	3
CF-900	1	26	40	.1	2	6
CF-950	1	46	49	.1	2	4
CF-1000	1	21	56	.1	2	2
CF-1050	1	19	48	.1	2	2
CF-1100	1	32	65	.1	2	2
CF-1150	1	21	63	.2	2	11
CF-1200	1	25	70	.1	3	2
CF-1250	1	31	81	.1	2	2
CF-1300	1	21	65	.1	2	3
CF-1350	1	18	73	.1	2	1
CF-1400	2	45	81	.1	3	1
CF-1450	1	26	62	.1	2	2
CF-1500	1	30	47	.1	2	4
STD C/AU-S	17	58	132	7.1	17	47

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CF-1550	1	32	48	.1	2	2
CF-1600	1	24	50	.1	2	3
CF-1650	1	23	46	.1	2	1
CF-1700	1	29	51	.1	2	1
CF-1750	1	25	60	.1	2	1
CF-1800	1	31	53	.1	2	1
CF-1850	1	30	54	.1	2	2
CF-1900	1	24	71	.1	2	2
CF-1950	1	52	109	.2	2	4
CF-2000	3	50	116	.1	2	2
CF-2050	1	27	116	.2	2	1
CF-2100	1	25	90	.3	2	2
CF-2150	2	25	137	.2	2	1
CF-2200	2	42	158	.6	2	2
CF-2250	2	34	122	.4	2	3
CF-2300	2	32	157	.2	2	2
CF-2350	2	24	115	.2	2	1
CF-2400	1	45	116	.1	2	3
CF-2450	1	53	167	.3	2	1
CF-2500	1	34	159	.2	2	6
CF-2550	1	40	263	.2	2	3
CF-2600	2	37	223	.3	2	1
CF-2650	2	22	105	.2	2	1
CF-2700	1	24	117	.1	2	1
CF-2750	1	31	116	.1	2	3
CG-50	1	26	85	.2	2	1
CG-100	1	18	72	.2	2	9
CG-150	1	27	82	.1	2	1
CG-200	1	30	73	.1	2	1
CG-250	1	23	85	.1	2	1
CG-300	5	52	114	.3	2	1
CG-350	4	46	104	.1	2	3
CG-400	4	99	149	.2	2	18
CG-450	1	22	71	.3	2	10
CG-500	2	42	85	.1	2	2
CG-550	3	66	174	.1	2	1
STD C/AU-S	17	62	132	7.2	18	48

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CG-600	1	52	86	.1	2	3
CG-650	3	68	114	.1	2	1
CG-700	1	59	150	.1	2	1
CG-750	1	38	128	.1	2	3
CG-800	1	31	161	.1	2	1
CG-850	1	17	74	.1	2	1
CG-900	1	36	128	.1	2	1
CG-950	1	26	131	.2	2	1
CG-1000	1	40	102	.1	2	1
CG-1050	1	41	111	.1	2	1
CG-1100	1	38	93	.1	2	2
CG-1150	1	35	57	.2	2	2
CG-1200	1	54	85	.1	2	6
CG-1250	1	34	102	.1	2	1
CG-1300	2	38	131	.1	2	2
CG-1350	1	15	52	.3	2	1
CG-1400	1	16	48	.1	2	3
CG-1450	1	15	37	.1	2	1
CG-1500	1	30	39	.1	2	1
CG-1550	1	15	39	.2	2	1
CG-1600	1	15	37	.1	2	2
CG-1650	1	19	34	.3	2	1
CG-1700	1	20	43	.2	2	1
CG-1750	1	27	50	.1	2	2
CG-1800	1	13	41	.2	2	1
CG-1850	1	45	50	.2	2	2
CG-1900	1	18	38	.1	2	69
CG-1950	1	42	64	.1	2	1
CG-2000	1	36	63	.1	2	4
CG-2050	1	19	96	.1	2	2
CG-2100	1	18	148	.1	2	2
CG-2150	1	26	146	.1	2	1
CG-2200	2	23	101	.2	2	1
CG-2250	1	21	140	.1	2	1
CG-2300	1	20	46	.1	2	1
CG-2350	1	27	58	.2	2	1
STD C/AU-S	17	61	132	7.1	19	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CG-2400	1	12	52	.1	2	4
CG-2450	1	12	115	.1	2	2
CG-2500	1	17	119	.1	2	1
CG-2550	1	19	93	.1	2	4
CG-2600	1	12	110	.1	2	1
CG-2650	1	26	125	.1	2	1
CG-2700	2	17	74	.1	2	3
CG-2750	1	14	87	.1	2	9
CG-2800	1	15	82	.1	2	3
CG-2850	1	15	47	.1	2	1
CG-2900	1	11	85	.1	2	4
CG-2950	1	11	102	.1	2	2
CG-3000	1	16	86	.1	2	1
CG-3050	1	23	105	.1	2	2
CG-3100	1	12	69	.1	2	2
CG-3150	1	20	114	.1	2	1
CG-3200	1	24	121	.1	2	3
CH-00	1	20	75	.1	2	4
CH-50	1	23	58	.1	2	129
CH-100	2	20	64	.1	2	2
CH-150	2	22	129	.1	2	1
CH-200	3	15	242	.1	2	2
CH-250	3	20	203	.1	2	8
CH-300	1	16	50	.1	2	2
CH-350	2	20	59	.1	2	5
CH-400	8	24	256	.1	2	2
CH-450	1	11	42	.2	2	1
CH-500	1	14	61	.1	2	1
CH-550	2	13	65	.1	2	2
CH-600	2	17	134	.1	2	1
CH-650	1	16	122	.1	2	1
CH-700	1	20	62	.1	2	1
CH-750	1	27	89	.1	2	2
CH-800	1	21	62	.1	2	4
CH-850	1	19	68	.1	2	7
CH-900	5	18	127	.1	2	1
STD C/AU-S	19	59	132	6.7	21	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CH-950	3	23	131	.1	2	4
CH-1000	2	32	90	.1	2	2
CH-1050	2	39	86	.1	2	43
CH-1100	2	83	112	.1	2	6
CH-1150	2	49	112	.1	2	6
CH-1200	1	37	84	.2	2	3
CH-1250	4	16	19	.1	2	6
CH-1300	2	74	70	.1	2	4
CH-1350	2	83	84	.1	2	4
CH-1400	2	32	94	.2	2	9
CH-1450	2	63	100	.2	2	1
CH-1500	2	28	84	.1	2	4
CH-1550	2	26	62	.1	2	9
CH-1600	3	21	65	.1	2	13
CH-1650	2	21	68	.1	2	2
CH-1700	1	24	82	.1	2	1
CH-1750	1	23	59	.1	2	1
CH-1800	1	23	64	.1	2	4
CH-1850	3	20	82	.5	2	2
CH-1900	3	17	94	.3	2	2
CH-1950SS	3	16	59	.1	2	5
CH-2000	7	51	132	.2	2	2
CH-2050	6	25	150	.2	2	1
CH-2100	5	32	88	.6	2	3
CH-2150	4	34	111	.1	2	1
CH-2200	3	30	89	.3	2	1
CH-2250	2	28	90	.6	2	2
CH-2300	2	32	108	.2	2	3
CH-2350	2	26	55	.9	2	1
CH-2400	1	13	58	.3	2	1
CH-2450	1	31	75	.2	2	2
CH-2500	1	23	82	.1	2	3
CH-2550	1	17	109	.2	2	4
CH-2600	2	30	114	.2	2	2
CH-2650	2	40	96	.1	2	2
CH-2700	1	23	64	.1	2	1
STD C/AU-S	17	59	132	7.1	21	49

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CH-2750	1	33	82	.1	2	3
CH-2800	4	68	136	.1	2	63
CH-2850	1	40	104	.1	2	6
CH-2900	1	33	93	.1	2	1
CH-2950	1	34	76	.1	2	1
CH-3000	2	36	83	.1	2	5
CH-3050	1	30	73	.1	3	1
CH-3100	1	37	101	.1	2	3
CI-50	1	26	101	.1	3	5
CI-100	1	32	95	.1	2	1
CI-150	2	43	106	.1	2	3
CI-200	1	27	65	.1	2	4
CI-250	1	34	93	.1	2	3
CI-300	2	40	117	.1	2	2
CI-350	1	26	55	.1	2	5
CI-400	2	46	115	.1	2	2
CI-450	2	44	114	.1	2	3
CI-500	2	103	114	.1	2	3
CI-550	2	41	86	.1	2	1
CI-600	2	31	125	.1	4	2
CI-650	1	44	123	.1	2	3
CI-700	3	27	179	.1	2	6
CI-750	2	41	160	.1	2	7
CI-800	1	30	100	.1	2	4
CI-850	2	24	82	.1	2	3
CI-900	2	26	83	.1	3	2
CI-950	1	45	86	.1	3	3
CI-1000	2	46	100	.1	2	6
CI-1050	2	37	92	.1	2	1
CI-1100	2	46	173	.3	2	6
CI-1150	1	17	67	.2	2	2
CI-1200	1	36	119	.1	2	1
CI-1250	1	20	63	.1	2	4
CI-1300	1	30	84	.1	2	2
CI-1350	1	24	111	.1	2	2
CI-1400	1	24	67	.1	2	4
STD C/AU-S	18	57	132	7.1	21	47

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CI-1450	1	35	74	.1	2	4
CI-1500	2	34	99	.2	2	2
CI-1550	2	36	157	.1	2	3
CI-1600	3	44	125	.1	2	1
CI-1650	4	59	171	.4	2	5
CI-1700	5	49	121	.3	2	3
CI-1750	6	77	91	.2	2	9
CI-1800	3	72	101	.1	2	5
CI-1850	2	34	135	.3	2	1
CI-1900	2	58	96	.2	2	1
CI-1950	2	40	45	.1	2	1
CI-2000	1	20	52	.3	2	3
CI-2050	3	24	64	.2	2	2
CI-2100	1	25	84	.1	2	12
CC-1850	1	17	75	.1	2	1
CC-1900	1	27	63	.1	2	1
CC-1950	1	27	58	.2	2	5
CC-2000	1	26	49	.1	2	4
CC-2050	1	18	38	.1	2	1
CC-2100	1	38	39	.2	2	2
CC-2150	1	52	48	.3	2	3
CC-2200	1	22	45	.1	2	6
CC-2250	1	18	43	.1	2	4
CC-2300	1	13	37	.1	2	1
CC-2350	1	23	33	.1	2	1
CC-2400	1	38	41	.2	2	1
CC-2450	1	19	40	.1	2	1
CC-2500	1	36	75	.2	2	1
CC-2550	1	25	44	.1	2	2
CC-2600	1	10	28	.1	2	1
CC-2650	1	10	31	.1	2	1
CC-2700	1	13	37	.1	3	1
CC-2750	1	17	62	.1	2	36
CC-2800	1	13	57	.1	2	1
STD C/AU-S	18	63	132	6.6	17	51

GEOCHEMICAL ANALYSIS CERTIFICATE

P - .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. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-P5 SOIL P6 SILT P7 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

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Cordilleran Engineering Ltd. PROJECT CREST #2 FILE # 89-4388 Page 1

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CJ-00 SS	3	36	151	.2	2	5
CJ-50	1	33	158	.1	2	4
CJ-100	1	16	147	.1	2	1
CJ-150	1	23	125	.1	2	2
CJ-200	1	25	107	.1	2	6
CJ-250	2	18	157	.2	2	3
CJ-300	1	19	95	.2	2	2
CJ-350	1	53	166	.3	2	1
CJ-400	1	31	92	.1	2	5
CJ-450	1	43	74	.1	2	6
CJ-500	1	37	59	.1	2	4
CJ-550	1	32	79	.2	2	9
CJ-600	2	80	151	.1	2	12
CJ-650	1	31	92	.1	2	4
CJ-700	1	20	229	.5	2	2
CJ-750	1	17	71	.1	2	3
CJ-800	1	19	62	.1	2	2
CJ-850	1	18	47	.2	2	4
CJ-900	1	26	40	.1	2	12
CJ-950	2	21	119	.2	2	3
CJ-1000	1	31	100	.1	2	2
CJ-1050	1	45	130	.2	2	4
CJ-1100	1	37	132	.1	2	2
CJ-1150	1	35	99	.3	2	1
CJ-1200	4	45	144	.1	2	3
CJ-1250	1	19	137	.1	2	1
CJ-1300	1	18	164	.1	2	3
CJ-1350	3	45	67	.1	2	3
CJ-1400	1	32	62	.2	2	3
CJ-1450	1	25	112	.1	2	1
CJ-1500	1	19	76	.1	2	2
CJ-1550	1	20	44	.1	2	4
CJ-1600	1	27	41	.1	2	2
CJ-1650	1	23	75	.2	3	1
CJ-1700	1	23	40	.1	2	3
CJ-1750	1	31	117	.1	2	7
STD C/AU-S	18	62	132	6.6	20	52

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CJ-1800	1	22	73	.1	3	8
CK-50	2	30	69	.3	2	2
CK-100	1	32	87	.1	2	270
CK-150	1	23	89	.3	2	5
CK-200	2	37	120	.3	2	3
CK-250	1	28	134	.2	2	2
CK-300	1	13	144	.3	2	1
CK-350	1	37	108	.1	2	5
CK-400	1	28	58	.1	2	9
CK-450	4	43	124	.3	2	6
CK-500	1	26	143	.3	2	1
CK-550	1	16	113	.2	2	2
CK-600	1	33	72	.1	2	30
CK-650	1	33	79	.2	2	2
CK-700	1	29	112	.2	2	17
CK-750	1	18	116	.1	2	3
CK-800	1	40	174	.3	3	4
CK-850	2	44	164	.1	2	2
CK-900	2	32	137	.2	2	1
CK-950	2	45	137	.4	2	4
CK-1000	1	25	72	.1	2	2
CK-1050	1	23	96	.1	2	1
CK-1100	1	20	74	.2	2	2
CK-1150	1	25	140	.2	2	1
CK-1200	2	59	120	.2	2	3
CK-1250	2	43	129	.2	2	5
CK-1300	3	50	94	.5	2	5
CK-1350	1	20	66	.1	2	3
CK-1400	1	26	109	.3	2	6
CK-1450	1	27	118	.3	2	2
CK-1500	2	42	126	.2	2	13
CK-1550	2	34	133	.2	2	4
CK-1600	1	34	121	.2	2	23
CK-1650	1	17	127	.2	2	19
CK-1700	1	32	152	.3	2	9
CK-1750	1	23	99	.1	2	12
STD C/AU-S	18	61	132	6.9	20	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CK-1800	2	34	196	.4	2	2
CK-1850	2	41	108	.2	2	3
CK-1900	2	50	142	.3	2	4
CK-1950	2	38	132	.3	3	10
CK-2000	1	39	172	.3	2	1
CK-2050	1	35	183	.3	2	1
CK-2100	1	41	139	.4	2	5
CK-2150	1	35	139	.1	2	5
CK-2200	1	34	122	.3	3	1
CK-2250	1	33	101	.1	2	4
CK-2300	1	32	100	.2	2	2
CL-00	2	23	126	.2	2	1
CL-50	3	25	170	.3	2	5
CL-100	3	27	126	.4	3	56
CL-150	1	29	145	.4	3	1
CL-200	1	27	127	.4	2	3
CL-250	1	32	97	.2	2	1
CL-300	2	32	116	.2	4	5
CL-350	3	28	86	.1	2	2
CL-400	1	39	97	.2	2	1
CL-450	1	30	109	.4	2	1
CL-500	1	21	88	.2	2	3
CL-550	1	28	96	.3	4	1
CL-600	1	20	95	.2	2	3
CL-650	1	30	106	.2	3	11
CL-700	1	27	95	.4	2	18
CL-750	1	37	114	.3	2	7
CL-800	1	29	94	.2	3	6
CL-850	1	43	70	.1	2	5
CL-900	2	34	113	.3	2	7
CL-950	1	33	85	.3	2	5
CL-1000	1	18	115	.2	3	1
CL-1050	2	45	174	.6	2	1
CL-1100	1	24	149	.2	2	3
CL-1150	1	27	144	.3	3	1
CL-1200	1	22	100	.2	2	1
STD C/AU-S	18	62	132	6.6	23	53

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CL-1250	1	25	125	.2	2	58
CL-1300	2	57	124	.3	2	2
CL-1350	1	27	69	.1	2	1
CL-1400	1	22	68	.2	2	3
CL-1450	1	55	133	.1	2	1
CL-1500	2	53	188	.3	2	5
CL-1550	2	33	163	.2	2	1
CL-1600	1	23	89	.2	2	4
CL-1650	2	24	115	.1	2	1
CL-1700	2	25	132	.1	2	3
CL-1750	2	30	102	.1	2	8
CL-1800	1	16	106	.1	2	6
CL-1850	1	49	62	.1	2	13
CL-1900	1	26	74	.1	2	24
CL-1950	1	25	99	.2	2	6
CL-2000	1	26	224	.1	2	1
CL-2050	1	35	78	.1	2	2
CL-2100	2	51	86	.1	2	5
CL-2150	1	16	132	.2	2	2
CL-2200	1	26	59	.1	2	8
CL-2250	1	26	108	.3	2	20
CL-2300	1	19	115	.2	2	1
CL-2350	1	33	110	.1	2	1
CL-2400	1	20	144	.1	2	3
CL-2450	1	27	130	.1	2	2
CL-2500	1	19	119	.1	2	4
CL-2550	1	27	73	.1	2	2
CL-2600	1	16	146	.1	2	1
CL-2650	1	22	112	.2	2	2
CL-2700	1	23	114	.1	2	1
CL-2750	1	17	131	.1	2	60
CL-2800	2	31	119	.1	2	3
CL-2850	1	29	113	.1	2	2
CL-2900	1	26	109	.1	2	1
CL-2950	1	17	124	.1	2	2
CL-3000	1	5	74	.1	2	1
STD C/AU-S	18	62	132	6.6	18	48

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
CL-3050	1	32	83	.1	2	39
CL-3100	1	26	131	.2	2	3
CL-3150	1	13	145	.2	2	15
CL-3200	1	22	165	.1	2	2
CL-3250	1	19	94	.1	2	4
CL-3300	1	17	107	.2	2	2
CL-3350	1	14	85	.3	2	3
CL-3400	1	16	70	.1	2	12
CL-3450	1	17	71	.1	3	5
CL-3500	1	19	123	.2	2	7
CL-3550	2	25	117	.3	2	5
CL-3600	1	13	40	.1	2	17
CL-3650	1	13	154	.1	2	2
CL-3700	2	24	147	.3	2	27
STD C/AU-S	18	60	133	6.6	20	51

SAMPLE#	Mo PPM	Cu PPM	Zn PPM	Ag PPM	Bi PPM	Au* PPB
L46-4	2	55	177	.4	2	2
L52-10	2	11	169	.2	2	4
L52-11	2	21	54	.2	2	22
GAVIN-1	1	47	276	.3	2	6
GAVIN-2	1	64	1990	1.2	2	4
H45-1	7	27	35	.1	2	2

SAMPLE#	Ag PPM	Au* (20gm) ppb
L51-R12	.4	490
CA-960R	14.3	67
CC-2525R	.3	1
CD-3450R	3.1	320
CD-3513R	.1	6
CH-1300R	.1	2
CH-1788R	.1	1
CI-1667R	3.8	36
CD-3380R	.1	1
CK-1400R	.1	1
L46-R6	3.6	1
L46-R7	87.0 ✓	1680
L47-R1	.3	1
L47-R2	16.9	260
L52-R13	.6	3
L52-R14	.9	1
STD C/AU-R	7.1	510

✓ ASSAY RECOMMENDED