ASSESSMENT REPORT ON THE HAZEL PROPERTY 1992 GEOCHEMICAL & DRILL PROGRAM

Cariboo Mining Division, British Columbia

N.T.S. Map Area 93A/12E

Latitude 52° 31'N Longitude 121° 33'W

Claims: HAZEL 1, HAZEL 2, HAZEL 3, HAZEL 4

Owner: Canim Lake Gold Corp. (recorded in name of John R. Kerr)
1003 470 Granville Street
Vancouver, BC
V6C 1V5

Operator: Canim Lake Gold Corp.
1003 470 Granville Street
Vancouver, BC
V6C 1V5

by

M. Schatten, B.Sc.
March 15, 1993

Reviewed & Approved by
J. Kerr, P.Eng.

CANIM LAKE GOLD CORP.

HAZEL PROPERTY
Cariboo Mining Division, B.C.

ASSESSMENT REPORT
1992 GEOCHEMICAL & DRILL PROGRAM
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APPENDICES

1. INTRODUCTION

1.1 Location, Access, and Terrain

The Hazel property (figure 1) is located 28km northwest of Horsefly and 55km east of Williams Lake in south-central British Columbia. Eastern portions of Hazel 2 and Hazel 3 fall on the western part of Quesnel Lake. Road access from Horsefly or Likely to the claim block is via the Horsefly-Likely forestry road or the Gavin Lake forestry road. Parts of these roads are summer access only. A good network of logging roads provide accessibility throughout the property.

Elevations range from 700-900m above sea level and relief dips to the east (Quesnel Lake). In the west-central part of the property terrain is flat-lying and covered with considerable overburden. In the east, along Quesnel Lake, the terrain is moderately steep and rock bluffs are relatively common. Hazeltine and Raft creeks flow through the southern claims.

A large part of the property has been logged off and vegetation is at various stage of regrowth. A mixture of fir, spruce, cedar, and balsam exist and underbrush is generally thick.

1.2 Claim Status

The Hazel property (figure 2) consists of 4 mineral claims (66 units) all recorded in the name of John R. Kerr. The claims were transferred to Canim Lake Gold Corp. during the period between the 1992 field program and report generation. All claims are in good standing until 1994-1995 (Table 1). The expiry dates reflect the dates that will be in effect upon acceptance of this report.

Table 1. Summary of Claim Particulars

Claim Name	Units	Tenure No.	Expiry Date*
HAZEL 1	18	307826	03/10/1995
HAZEL 2	16	307827	03/10/1994
HAZEL 3	12	307828	03/07/1995
HAZEL 4	20	307829	03/11/1994
Total Units	**66**		

* Upon acceptance of this report.

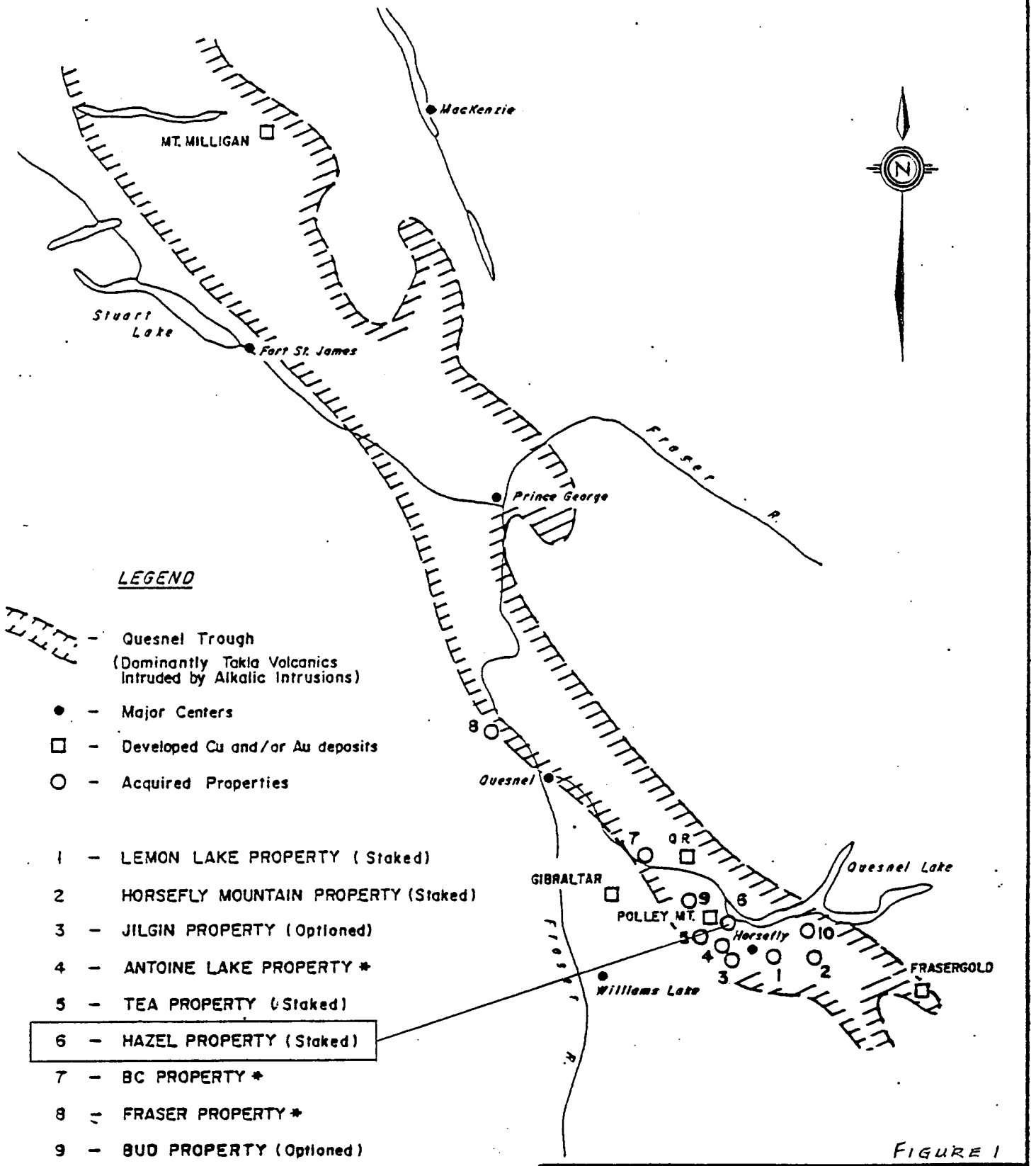


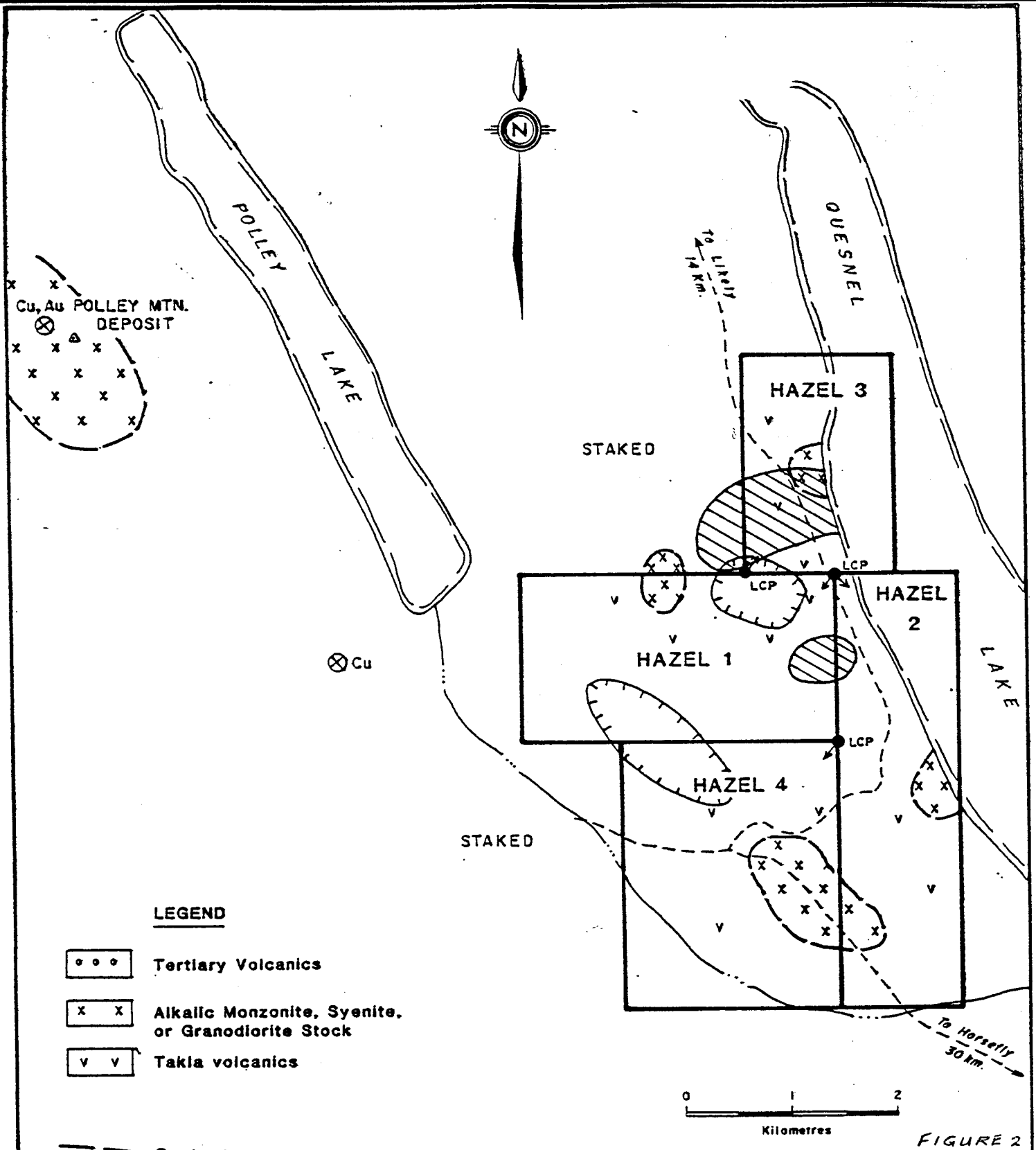
FIGURE 1

CANIM LAKE GOLD CORP.

HAZEL PROPERTY

LOCATION MAP

Drawn: John R. Kerr, P. Eng	Date: MAY, 1992
Checked: J.R.K.	Scale: 1 : 2,000,000



LEGEND

- Tertiary Volcanics
- Alkalic Monzonite, Syenite, or Granodiorite Stock
- Takla volcanics
- Contact
- Mineral Occurrence
- Outcrop Area
- Magnetic Anomaly
- Roads
- Cu Soil Anomaly >200 ppm

FIGURE 2

CANIM LAKE GOLD CORP.

HAZEL PROPERTY

CARIBOO MINING DIVISION, B. C.

NTS 93A/12E

Drawn by: Geodrafting	Date: March 1992
Checked: J.R.K.	Scale: 1 : 50,000

1.3 History

There is little history of intensive exploration on the property. Soil sampling completed in the early 1970's turned up two strong copper anomalies located on what is now staked as Hazel 3 and Hazel 1. There has been no evidence of drilling on the property. There are no reported mineral occurrences.

1.4 1992 Work Summary

During the latter part of July and first part of August 1992, Canim Lake Gold Corp. conducted a reconnaissance soil sampling program to test for copper anomalies. A 4.8km baseline and 27km in grid lines were established. 265 soil samples were collected and analyzed for copper. On October 6, 1992 1.05km of infill grid lines were run and an additional 34 soil samples collected over anomalous areas indicated by initial soil sampling. A total of 32.85km grid lines (including baseline) were run and a total of 299 soil samples were collected and analyzed for copper.

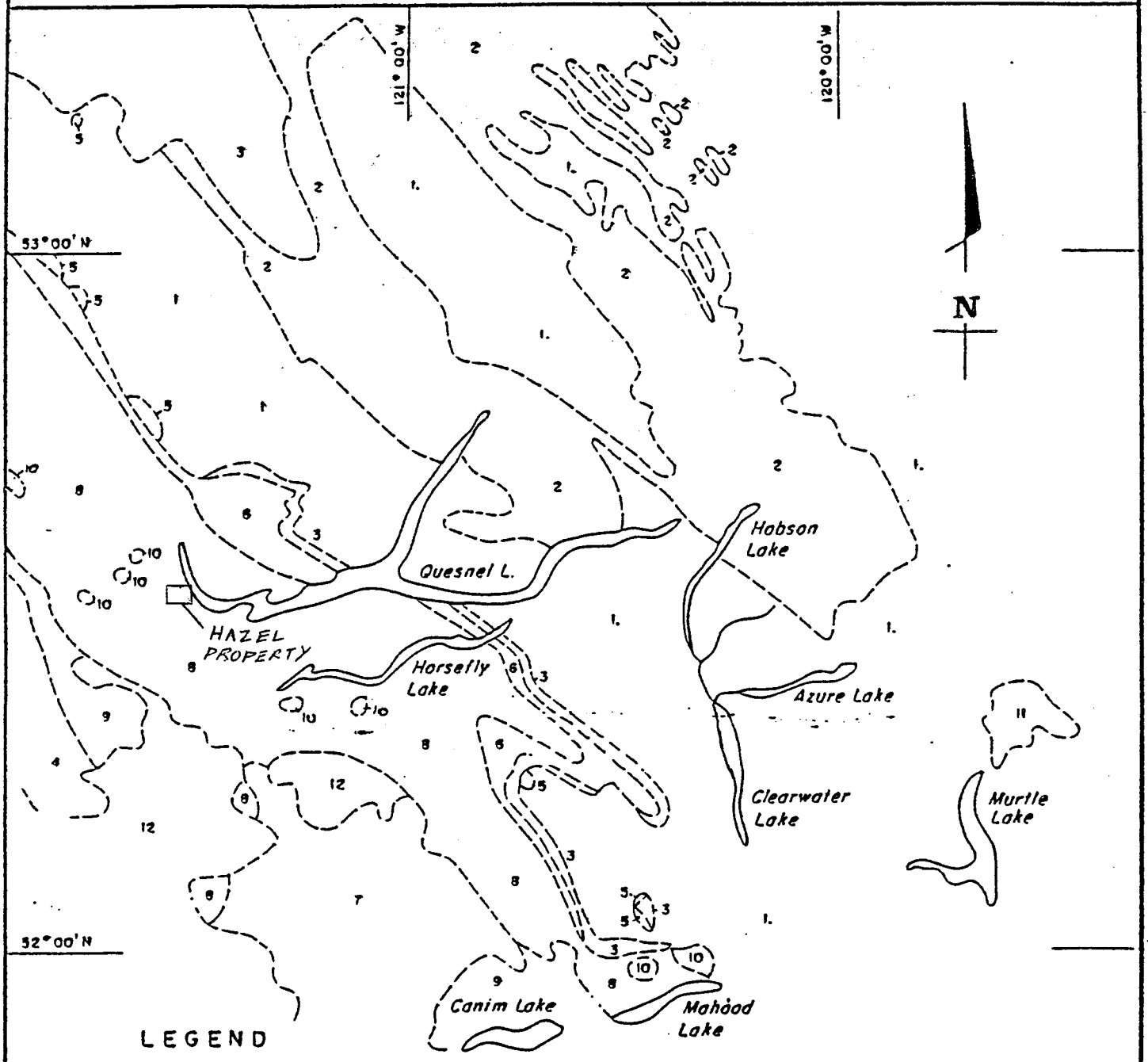
Geological mapping was conducted on the grid lines and along the shore of Quesnel Lake on Hazel 3. A total of 14 rock chip and grab samples were collected and analyzed for copper and gold.

A limited reverse circulation drill program was undertaken October 11-13, 1992 to test geochemical anomalies on Hazel 3. A total of 183m were drilled over 3 holes. 8 soil samples were collected from the overburden and 52 drill chip samples were collected. All were analyzed for copper and select samples were analyzed for gold as well.

1.5 Claims Work Performed On

Hazel 1	13.5km grid, 125 soil samples, 1 rock sample, 54.9m reverse circulation drilling
Hazel 2	4.55km grid, 44 soil samples, 2 rock samples
Hazel 3	5.35km grid, 81 soil samples, 8 rock samples, 98m reverse circulation drilling
Hazel 4	4.6km grid, 49 soil samples, 3 rock samples

REGIONAL GEOLOGY



LEGEND

RECENT TO TERTIARY

12 Recent volcanics - overburden

CRETACEOUS TO TERTIARY

11 Granodiorite - quartz diorite

CRETACEOUS

10 Syenite - quartz monzonite

JURASSIC

9 Sediments

UPPER TRIASSIC TO LOWER JURASSIC

8 TAKLA GP Volcanics-sediments

UPPER TRIASSIC

7 TAKOMKANE BATHOLITH : Granodiorite - quartz monzonite.

UPPER TRIASSIC

6 BLACK PHYLLITES : Sediments - lesser volcanics

PERMIAN TO TRIASSIC

5 Ultramafics

UPPER PALEOZOIC

4 CACHE CREEK GP : Sediments - lesser volcanics

3 SLIDE MT. GP : Volcanics - sediments

HADRYNIAN TO ORDOVICIAN

2 Sediments

HADRYNIAN

1 KAZA GP : Metasediments

0 10 20 30 40 50 KM

1:1,000,000

FEB 1984

FIGURE 3

2. GEOLOGY

2.1 Regional Geology

The Hazel property is located in the central part of the Quesnel Trough which is a subdivision of the Intermontane structural belt of British Columbia. The area is underlain predominantly by Triassic volcanics and related sediments that have been intruded by late Jurassic and late Cretaceous alkalic stocks (Bailey, 1987).

The Quesnel Trough is host to a number of copper-gold enriched alkalic stocks. Polley Mountain porphyry copper-gold deposit is one such occurrence that is in close proximity to the Hazel property. The Polley Mountain deposit is 7km northwest of the Hazel claims and is in a similar geological setting.

2.2 Property Geology

Rock exposure on the Hazel claims is limited to a few small outcrops and subcrops with the exception of the northeastern part of the property above Quesnel Lake where there are bluffs.

Four rock types were encountered in outcrop and drill holes and comprise the volcanic units and intrusive units. Outcrop locations are shown on the copper geochemical map, figure 4.

UNIT 1: MAFIC VOLCANIC

This unit is a dark greenish grey basalt with phenocrysts of pyroxene and/or olivine weathers greenish brown and buff. Often maroon phenocrysts (hematite) are present and here the basalt weathers reddish brown. Fractures may be coated with weak carbonate and epidote. It may be weakly chloritic. There are zones of moderate limonite and hematite alteration. Finely disseminated pyrite is present locally. The unit is moderately magnetic.

UNIT 2: INTERMEDIATE VOLCANIC

The second volcanic unit is a greyish green and green andesite with local plagioclase phenocrysts. It may contain weak chlorite, epidote, carbonate, limonite, and hematite as alteration. Weak disseminated pyrite is rare.

UNIT 3: MONZONITE/MONZODIORITE

This unit is exposed for 56m along the shore of Quesnel Lake on Hazel 3. The contact with the intermediate volcanics is sharp. The intrusive is speckled orange, black, white, and grey weathering pink and greenish brown. Locally it is equigranular (fine- to medium-grained) but more generally porphyritic as seen in outcrop and drill holes. Phenocrysts are of plagioclase, K-feldspar (up to 2cm), and hornblende. Alteration consists of epidote, chlorite, limonite, and hematite all in varying amounts. Minor disseminated pyrite may be present. The unit is quite strongly jointed and non-magnetic.

UNIT 4: INTRUSIVE(?) DYKE

This unit was intersected over a vertical length of 15m in drill hole HRC92-1. It is dark grey to black with coarse K-feldspar phenocrysts. Alteration consists of weak chlorite and epidote. Trace pyrite was observed. The contact with the porphyritic basalt is sharp.

2.3 Rock Sampling Results

Sample H92-02
Collected as float at L36+00N and 18+00E. It is a dark greyish green gossaned andesite with < 1% disseminated and stringer pyrite. It assayed 74ppm Cu and 14ppb Au.

Samples H92-03 - H92-07
Chip and grab samples collected from porphyritic basalt bluffs trending roughly north-south between ~53+50N and ~51+50N just above Quesnel Lake. Alteration is spotty and consists of weak to moderate epidote, carbonate, limonite, and hematite. Trace to 1% finely disseminated pyrite was observed in samples H92-05 and H92-07. Sample H92-07 returned the highest copper value at 119ppm. Gold was below detection limit in all but sample H92-06 which ran 90ppm Cu and 12ppb Au.

Sample H92-08
0.5m chip collected from trench in the vicinity of L20+00N and 14+50E. Moderately limonitic speckled pink and white monzosyenite(?) assayed 42ppm Cu and negligible gold.

Sample H92-09
Collected as float from same location as H92-08. Fine- to medium-grained pinkish grey monzonite with strong limonite alteration. Mineralization observed as trace malachite and trace fine sulphides. Assayed at 365ppmCu and 31ppb Au.

Sample H92-10
Collected as grab from baseline 30+00E and ~10+00N. Monzonite(?) assayed at 35ppm Cu and 6ppb Au.

Sample H92-11
Collected as grab along Horsefly-Likely forestry road near L32+00N and 33+00E. Fine-grained dark intrusive that returned a value of 1010ppm Cu and 10ppbAu.

Samples H92-12 - H92-14
0.5-1m chip samples collected from a monzonite outcrop along the shore of Quesnel Lake on Hazel 3. Alteration consists of patchy moderate epidote, limonite, and hematite, and minor weak feldspar. Mineralization was not observed. The highest value returned was 64ppm Cu. Gold was below detection limit in all three samples.

3. 1992 GEOCHEMICAL PROGRAM

3.1 Procedure

During the period of July 25 - August 5, 1992 a compass and chain grid was run over the Hazel claims. The baseline, oriented north-south, extends for 4.8km from line 8+00N to line 56+00N. Grid lines run east-west and vary in length from 300m to 3.3km. Lines are spaced at 400m intervals and stations every 100m. Infill lines on Hazel 3, spaced at 200m intervals with stations every 50m were completed October 6, 1992. A total of 28.05km in grid lines and 4.8km in baseline were established.

Initial soil sampling (July 25 - August 5) was done on a reconnaissance basis as lines were spaced at 400m. During this period 265 soil samples were collected. An additional 34 soil samples were collected as follow-up on October 6, 1992 to test the continuity of a strong copper anomaly on Hazel 3. A total of 299 soil samples were collected and shipped via Greyhound bus from Williams Lake to the laboratory of Bondar-Clegg & Company Ltd. in North Vancouver for geochemical analysis of copper.

Soil samples were collected at depths of 15cm to 35cm from the "B" horizon and placed in Kraft soil envelopes marked with the appropriate grid coordinates.

3.2 Results

Geochemical copper values greater than 49ppm were considered anomalous and contoured on two intervals: 50-149ppm Cu
>149ppm Cu.

Weakly anomalous (50-149ppm Cu) zones are scattered over the grid system and generally trend north-south. The eastern and northeastern part of the property hosts the most extensive anomaly. On Hazel 3 a strong (>149ppm Cu) linear anomaly, with copper values to 430ppm, is 800m long and 50m wide trending northwest-southeast. It is enclosed by a large weakly anomalous zone that is up to 1300m wide and 3200m long and is open to the north and northeast.

LEGEND

- 139 — GRID STATION WITH Cu (ppm)
- CONTOUR INTERVALS
  - 50-149
  - >149
- ROAD
- MARSH
- LEGAL CORNER POST
- REVERSE CIRCULATION DRILL HOLE COLLAR — VERTICAL, ANGLED
- OUTCROP WITH ROCK CHIP SAMPLE, FLOAT — Cu (ppm), Au (ppb)

H92-11
1010, 10

0 — 200 — 400 METRES

1:15000
SCALE

BASELINE 0+00

BASELINE 30+00E

HAZEL 1

HAZEL 2

HAZEL 3

HAZEL 4

L20+00N

L24+00N

L25+00N (LCP LINE)

L28+00N

L32+00N

L36+00N

L40+00N (LCP LINE)

L44+00N

L48+00N

L52+00N

L56+00N

L16+00N

L12+00N

L8+00N

H92-08
42
monzonite

H92-09
365, 31
mal

H92-10
35, 6
intrusive

H92-11
1010, 10
intrusive/
volcanics

H92-02
74, 14

HRC92-1

HRC92-2

HRC92-3

H92-13
50
monzonite
volcanic

H92-12
47

H92-14
64

H92-04
82

H92-03
103

H92-05
110

H92-06
90, 12

H92-07
119

ol basalt

ol/pyx basalt

12.1 KM ON
HORSEFLY-LIKELY
FORESTRY ROAD

QUESNEL LAKE

CANIM LAKE GOLD CORP.

HAZEL PROPERTY

CARIBOO MINING DIVISION, BC
NTS 93A/12E

COPPER IN SOILS

WORK BY: M.S.	SCALE: 1:15000	FIGURE 4.
DRAWN BY: M.S.	DATE: SEPT, 1992	

4. 1992 DRILL PROGRAM

4.1 Introduction

Drilling was done by Northspan Exploration Ltd. of Kelowna, BC. The customized reverse circulation drill was designed and built by Pat Mooney of Northspan Exploration Ltd. with the idea of prospector drilling in mind. It is track mounted and has a small dozer blade. It requires a minimum of 4m (drill length) to set up on a site. The environmental impact is minimal as drill access roads and drill pads are not required. The drill utilizes a compressor that has a 350 PSI capacity (500 CFM). The drill string consisted of 3.75" conventional dual wall pipe in 10ft lengths, a conventional crossover hammer, and a 4.5" conventional bit.

On October 11 the reverse circulation drill was mobilized to the Hazel property from the Lemon Lake property just east of Horsefly, BC. Drilling commenced October 11, 1992 and was completed October 13, 1992. In all 3 drill holes, 2 vertical and 1 angled, totalling 183m (Table 2, Figure 4) were drilled on the Hazel 3 claim. All holes reached target depths. Overburden was shallow, from 3.4m-8.5m deep, on this part of the property due to the steeper, rockier terrain above Quesnel Lake. Water was not required for drilling and all 3 holes were drilled dry.

Drill samples were collected at 10ft (3.05m) intervals from both the overburden and the bedrock using a Jones 3-tier riffle splitter for a representative 1/8th split. If the sample from a 1/8th split was too large a 1/16th split was used. To ensure a clean sample, at the end of a 10ft run the hole was "spudded" over a 20ft length of the drill rods. 8 soil samples were collected from the overburden and placed in soil envelopes. 52 chip samples were collected and placed in plastic poly ore bags. All samples were sent to the laboratory of Bondar-Clegg & Company Ltd. of North Vancouver, BC for geochemical analysis of copper. Select samples were geochemically analyzed for gold. Additional drill cuttings were placed in 7dram vials for logging purposes. Once back in the office drill cuttings were examined more closely with the aid of a microscope.

Table 2. Reverse Circulation Drill Holes 1992

Hole No	Date Started/Completed	Grid Coordinates Northing	Easting	Bearing	Angle	Hole Depth(m)
HRC92-1	Oct 11, 1992	40+00	30+03		-90^0	54.9
HRC92-2	Oct 12, 1992	42+14	29+15		-90^0	61.0
HRC92-3	Oct 12-13,1992	44+25	27+85	100^0	-60^0	67.1

4.2 Results

Overburden in this part of the claim block is shallow and varied in depth from 3.4m to 8.5m. The main lithologies intersected were intermediate and mafic volcanics, a monzonite dyke, and a melanocratic porphyritic intrusive(?) dyke. Lithologies are described in the previous section 2.2.

The results from HRC92-1 are fairly uniform and average 206ppm Cu. Where analyzed for gold, results are below the detection limit. The alkalic dyke/stock was not intersected. The intrusive(?) dyke was intersected from 30.5m to 48m.

As with HRC92-1 the results from HRC92-2 are quite uniform. The average grade over the hole is 239ppm Cu and gold is below the detection limit. An alkalic dyke was intersected from 50.5m to 52.3m.

Drill hole HRC92-3 shows some variation in mineralization. The average grade of the andesite from 9.1m-39.6m is 167ppm Cu. At 39m a monzonite dyke is intersected for 9m and the average grade falls to 82ppm Cu. Gold, except for one sample interval (24ppb), is below the detection limit.

5. CONCLUSIONS AND RECOMMENDATIONS

The Hazel claim block was staked in March, 1992 as part of a regional program to test for copper-gold porphyry systems in geologically favourable areas covered by extensive overburden.

Reconnaissance geochemistry on the property has delineated several copper anomalies. Of these the strongest (>149ppm Cu) occurs in the northeast part of the claims, Hazel 3. It is 800m long and 50m wide and after a break of ~100m continues for an additional 200m. The copper highs are enveloped by a much larger, weaker (50-149ppm Cu) anomaly that is up to 1300m wide and 3200m long and open to the north and northeast.

Reverse circulation drilling at 200m centres was conducted on Hazel 3 along the southern end of the geochemical high, from lines 40+00N to 44+00N. Three drill holes, totalling 183m were completed. Holes HRC92-1 and HRC92-2 intersected anomalous copper values over much of the lengths of the holes. Samples from HRC92-3 did not return any significant intersections.

Geological mapping was hampered by overburden covering a large part of the property. Outcrops and subcrops indicate Takla volcanics (andesite, basalt). All 3 drill holes intersected andesite and basalt over most of the lengths with the volcanics carrying weak copper mineralization in HRC92-1 and HRC92-2. Few scattered subcrops and outcrops of porphyritic monzonite were observed. The largest of these is a small stock/dyke exposed along the shore of Quesnel Lake at ~L45+00N. Drill hole HRC92-2 intersected a porphyritic monzonite dyke from 50.5m-52.3m. Hole HRC93-3 intersected a series of unmineralized monzonitic/monzodioritic dykes between 32.5m and 52m. A dark, fine-grained intrusive is partially exposed near the east end of L32+00N. Grab sample, H92-11, collected here ran 1010ppm Cu and 10ppb Au. Drill hole HRC92-1 intersected a dark grey to black porphyritic intrusive(?) dyke over a drill length of 17.5m.

Additional investigation is warranted to test the continuity of an open geochemical anomaly located along the east ends of lines 24+00N and 32+00N. Infill soil sampling would further outline the anomaly.

Soil samples should be collected over and in the area of a partially exposed alkalic intrusive located at ~L20+00N and 15+50E where malachite was observed in float.

A ground magnetometer survey conducted over areas of interest would be useful in further identifying locations of intrusives.

6. COST STATEMENT

GEOCHEMICAL & GEOLOGICAL PROGRAM

FIELD CREW		
J. Kerr	1 day @ $350/day	350.00
M. Schatten	8.5 days @ $200/day	1,700.00
D. Wager	7 days @ $170/day	1,190.00
R. Montgomery	1.5 days @ $170/day	255.00
ANALYTICAL		
299 soil samples	@ $3.50/sample	1,046.50
14 rock samples	@ $10/sample	140.00
ROOM & BOARD		
18 mandays	@ $60/day	1,080.00
FIELD SUPPLIES		170.00
TRUCK RENTAL		
9 days	@ $40/day	360.00
500km	@ $0.15/km	75.00
SUBTOTAL GEOCHEMICAL EXPENSES		**$6,366.50**

DRILL PROGRAM

DRILLING		
Reverse Circulation Drilling - Northspan Exploration Ltd.		
183m @ $26.25/m		4,803.75
GEOLOGICAL SUPERVISION		
M. Schatten	3 days @ $200/day	600.00
J. Kerr	1 day @ $350/day	350.00
CASUAL LABOUR		
Drill helper	3 days @ $180/day	540.00
ASSAYS & ANALYTICAL		
8 soil samples @ $3.50/sample		28.00
52 chip samples @ $10/sample		520.00
ROOM & BOARD		
10 man days @ $60/man/day		600.00
VEHICLE RENTAL		
3 days @ $40/day		120.00
200km @ $0.15/km		30.00
FIELD SUPPLIES		70.00
SUBTOTAL DRILLING EXPENSES		**$7,658.00**
COMPILATION & REPORT		
Report preparation		
M. Schatten		
2 days @ $200/day		400.00
Photocopies, printing		75.00
TOTAL EXPENSES		**$14,499.50**

7. BIBLIOGRAPHY

Bailey, D.G., 1987; `Geology of the Hydraulic Map Area NTS 93A/12', Province of British Columbia Ministry of Energy, Mines and Petroleum Resources, Preliminary Map No. 67.

8. STATEMENT OF QUALIFICATIONS

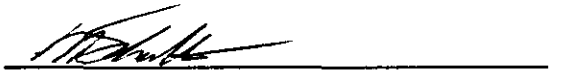
I, MYRA G. SCHATTEN, resident of Calgary, Province of Alberta, hereby certify as follows:

1. I am a contract geologist currently employed by Canim Lake Gold Corp. at 1003-470 Granville St., Vancouver, BC.

2. I was actively involved as a field geologist on the Hazel property during the 1992 geochemical and drill program and assisted in the collection of the data referred to in this report.

3. I graduated from the University of Alberta, Edmonton, Alberta, B.Sc. Geology, 1987. I have been actively involved in mineral exploration since 1987.

DATED at Vancouver, Province of British Columbia this 15th day of March, 1993.



M.G. Schatten, B.Sc.
Geologist

I, JOHN R. KERR, of Vancouver, British Columbia, do hereby certify that:

1. I am a member of the Association of Professional Engineers of British Columbia and a Fellow of the Geological Association of Canada.

2. I am a geologist employed by Canim Lake Gold Corp. at 1003-470 Granville St., Vancouver, BC.

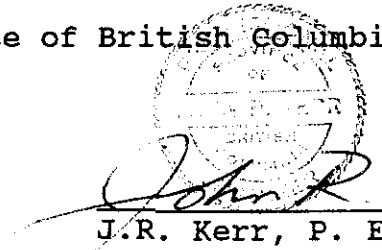
3. I am a graduate of the University of British Columbia (1964) with a B.A.Sc. degree in Geological Engineering.

4. I have practised my profession continuously since graduation.

5. I supervised and assisted in the collection of the data as compiled in this report. I have reviewed the contents of this report which is based on the aforementioned data, and supervised the compilation and authorship by M. Schatten. I verify the costs as reported to be true.

6. I am an officer and director of Canim Lake Gold Corp. and hold a direct and indirect interest in the securities of this company.

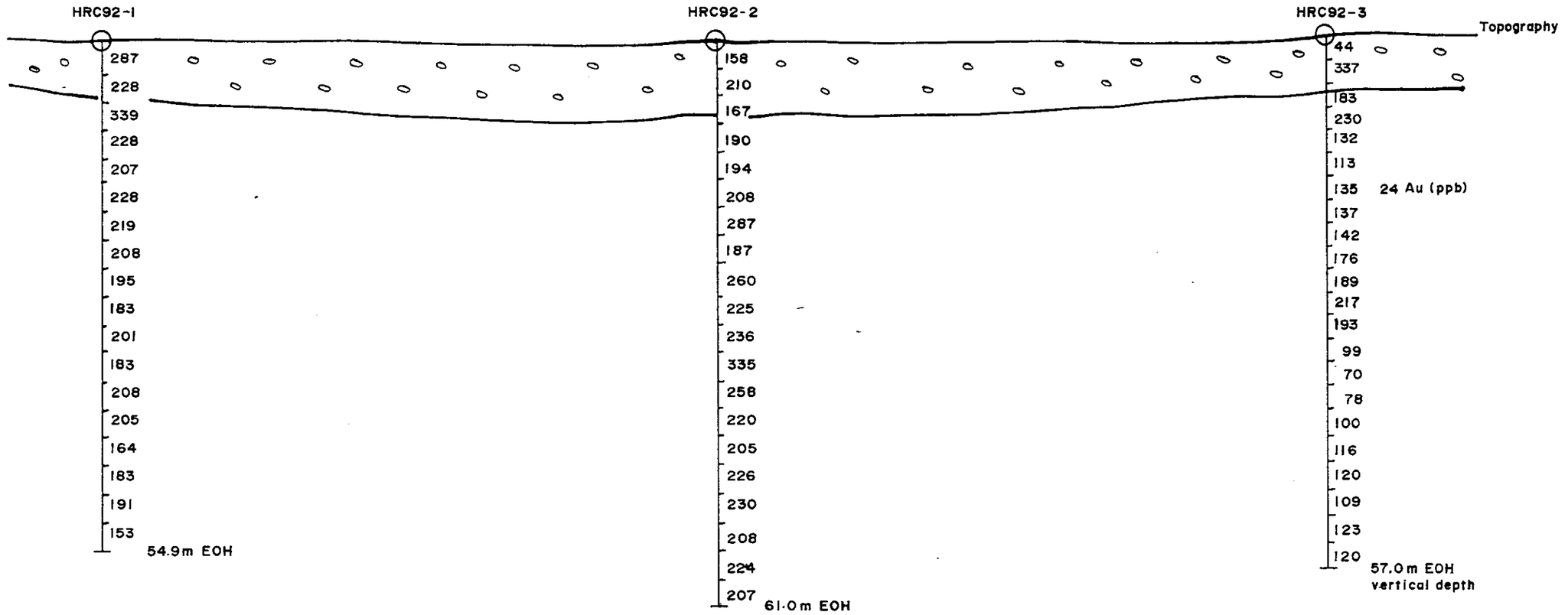
DATED at Vancouver, Province of British Columbia this 15th day of March, 1993.



J.R. Kerr, P. Eng.

APPENDIX I

REVERSE CIRCULATION DRILL SECTIONS



SECTION 30+00E
FACING WEST

0 5 10 20m

SCALE
1:5,000

LEGEND

RC Drill Hole Collar

135 Sample Interval with Cu (ppm)

CANIM LAKE GOLD CORP.

HAZEL PROPERTY

Cariboo Mining Division, BC

DRILL HOLES

WORK BY: CANIM LAKE GOLD CORP.	SCALE: 1:5,000
DRAWN BY: M.S.	DATE: FEB, 1993

APPENDIX II

REVERSE CIRCULATION DRILL LOGS

DIAMOND DRILL RECORD

PROPERTY: HAZEL HOLE No. HRC 92-1

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size: 4"
Angle of Hole: Very
Claim:
Section: 40+00N; 30+00E
Bearing:

Total Depth: 54.9m
% Recovery:
Elev. Collar:
Latitude:
Departure:

Sheet No 1 of 2
Logged by: M.Schollen/J.Kerr
Date Begun: October 11, 1992
Date Finished: October 11, 1992
Core Stored At:

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	TO	REC-OVERY	EST. GRADE	Sample No.	ASSAYS	Cu ppm		Au ppb
		0-3.4m Overburden. (Sd. gr.		3.m		HZ-1			287		
		Rusty, Gn/Bk porphyritic basalt.	3.4	6.1m		HZ-2			228		
		Grey/Gn basalt/andesite Weak carb & epid.	6.1	9.1		18865			339		<5
		Grey/Gn basalt/and? Weak carb (as above)	9.1	12.2		18866			228		<5
		Grey/Gn basalt: pyroxene x'ls: minor alt'n	12.2	15.2		18867			207		<5
		Grey/Gn andesite: Weak alt'n chlor > epid & carb. Tr pyrite	15.2	18.3		18868			228		<5
		Weakly alt'd andesite, as above.	18.3	21.3		18869			219.		
		Gr/Gn andesite: minor hematite, some felds x'ls. weak chlor > epid alt'n.	21.3	24.4		18870			208		
		Grey/Gn andesite, as above, increasing felds x'ls. weak alt'n	24.4	27.4		18871			195		

DIAMOND DRILL RECORD

PROPERTY: *Hazel* HOLE No. *HRC 92-1* SHEET No. *2* of *2*

TEXTURE, ALTER'N, MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL FROM	INTERVAL TO	LITH 1	LITH 2	DESCRIPTION	RECOVERY	SAMPLE No.	ASSAYS Au	ASSAYS Cu ppm	ASSAYS MAu	ASSAYS Other A	ASSAYS Au ppb
		27.4	30.5			Gr/Gn and. felds X'ls. weak Chlo alt'n		18872		182			
		30.5	33.5			Dk grey/blk f.grained intrusive rock? with coarse K-felds phenocrysts dike??		18873		201			
		33.5	36.6			As above - Weak alt'n Chlo/Ep and Tr. pyrite		18874		184			
		36.6	39.6			As above - dike? weak alt'n		18875		208			
		39.6	42.7			Dike? as above - Tr. pyr.		18876		205			
		42.7	45.7			Dike? as above		18877		164			
		45.7	48.8			Dike as above to 48m. Then sharp contact to basalt		18878		153			
		48.8	51.8			Grey/Gn porphyritic basalt. pyroxene x'ls. Minor chlor.		18879		191			
		51.8	54.9			Dk Grey/Gn basalt, as above.		18880		153			
						54.9 - END OF HOLE. (All dry).							

DIAMOND DRILL RECORD

PROPERTY HAZEL HOLE No. HRC 22-2

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size 4" Total Depth 61.0 Sheet No 1 of 2
Angle of Hole Vert % Recovery Logged by M. Sikatton / J. Kerr
Claim Elev. Collar Date Begun October 12, 1992
Section 4215N; 2715E Latitude Date Finished October 13, 1992
Bearing Departure Core Stored At

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	REC. OVERY	EST. GRADE	Sample No.	ASSAYS	Cu ppm		Au ppb.
		0 - 3.5 m Overburden (Silt/Sd/Boulders)		3			HZ-1		158		
				6			HZ-2		210		
		Wthrd grey/gn basalt.	3.5	9.1			HZ-3		167		
		Dk grey/gn basalt some hemat. & carb	9.1	12.2			18881		190		
		Dk grey/gn basalt minor chlor & hemat.	12.2	15.2			18882		194		
		Grey/gn/maroon andesite basalt. Mod Chlor/Hem	15.2	18.3			18883		208		
		Rapid alt'n.									
		Grey/gn/mar. andesite as above.	18.3	21.3			18884		287		<5
		Grey/gn/maroon andesite as above	21.3	24.4			18885		187		<5
		Grey/gn andesite. No hemat; less chlor.	24.4	27.4			18886		260		<5
		Andesite as above.	27.4	30.5			18887		225		<5

DIAMOND DRILL RECORD

PROPERTY HAZEL HOLE No. HRC 92-2 SHEET No. 2 of 2

TEXTURE, ALTER'N, MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL FROM	INTERVAL TO	LITH 1	LITH 2	DESCRIPTION	RECOVERY	SAMPLE No.	ASSAYS Au	ASSAYS Cu ppm	ASSAYS MAu	ASSAYS Other A	ASSAYS Au oz/t
		30.5	33.5			Dk gn. andesite Weak Chloritized. Tr. pyrite		18888		236			<.3
		33.5	36.6			Grey/gn andesite pyrox ills.		18889		335			<.3
		36.6	39.6			Green porphyritic andesite		18890		258			<.3
		39.6	42.7			andesite, as above.		18891		220			<.3
		42.7	45.7			Porph. andesite, some felds. phens.		18892		205			<.3
		45.7	48.8			porph. andes. as above		18893		226			<.3
		48.8	51.8			porp. and. to 50.5m, then dike, pink/gr intrusive K-felds & hornblende.		18894		230			<.3
		51.8	54.9			Dike to 52.3 - then gn basalt.		18895		208			
		54.9	58.0			Grey/gn andesite minor alt'n		18896		224			
		58.0	61.0			Grey/gn and. as above		18897		207			
						61.0 END OF HOLE (All Dry)							

DIAMOND DRILL RECORD

PROPERTY: HAZEL

HOLE No. HRC92-3

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Hole Size: 4"
Angle of Hole: 60°
Claim:
Section: 44125N; 27+85E
Bearing: 100°

Total Depth: 67.1m
% Recovery:
Elev. Collar:
Latitude:
Departure:

Sheet No: 1 of 3
Logged by: M. Schellen/N. Kin
Date Begun: October 12/92
Date Finished: October 13/92
Core Stored At:

TEXTURE, ALTER'N. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL (m) FROM	INTERVAL (m) TO	RECOVERY	EST. GRADE	Sample No.	ASSAYS	ppm Cu		ppb Au
		0 - 6.7m Overburden (sd/st/bldrs).		3m	H3-1						
				6m	H3-2						
		Dk grey basalt (wthrd)	6.7	9.1	H3-3						
		Dk grey basalt (wthrd) Carbalt'n > chlor/Hem. Tr. blebs & diss pyr.	9.1	12.2			18898		230		<5
		Basalt/andesite, as above.	12.2	15.2			18899		132		<5
		Mainly gr/grey and., as above. Small dike at top	15.2	18.3			18900		113		<5
		Gr/Grey andesite, some hematite/chlor > carb. Tr. pyrite throughout	18.3	21.3			19251		135		24
		Andesite, as above. - weak Chlor.	21.3	24.4			19252		137		<5
		Andesite, as above - Chlor > hem/oxid	24.4	27.4			19253		142		<5
		Andesite - strong hematite in sert. Wk chlor.	27.4	30.5			19254		176		<5

DIAMOND DRILL RECORD

PROPERTY: HAZEL   HOLE No. HRC 92-3   SHEET No. 2 of 3

TEXTURE, ALTER'N, MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL FROM	INTERVAL TO	LITH 1	LITH 2	DESCRIPTION	RECOVERY	SAMPLE No.	Au	Cu ppm	MAu	Other A	Au ppb
		30.5	33.5			Dk gn. and. to 32.5m. Then speckled pink intrusive dike		19255		187			<5
		33.5	36.6			Dk gn andesite with calcite > hemblende		19256		217			<5
		36.6	39.6			Andesite, as above to 39m then mottled pink/grey dike		19257		193			<5
		39.6	42.7			Pm. pink/grey intrusive dike some wk/mod chloritoid alt'n. Tr pyrite Blue/grey clay alt'n.		19258		99			<5.
		42.7	45.7			Pink/gray intrusive dike?, becomes quite coarse-grained @ 44m. ½-1% diss pyr. Some clay alt'n.		19259		70			<5
		45.7	48.8			Dike to 48m, as above, then dk gr/gn basalt to end.		19260		78			<5
		48.8	51.8			Dk gray basalt/and to 51m then small dike		19261		100			<5
		51.8	54.9			Dike to 52m, thence to dk gray green basalt/and		19262		116			<5
		54.9	57.9			Dk grey/green basalt. weak alt'n		19263		120			<5

DIAMOND DRILL RECORD

PROPERTY HAZEL HOLE No. HRC 92-3 SHEET No. 3 of 3

TEXTURE, ALTER'N, MINERALIZATION ETC.	GRAPH. GEOL.	INTERVAL FROM	INTERVAL TO	LITH 1	LITH 2	DESCRIPTION	RECOVERY	SAMPLE No.	ASSAYS Au	Cu	MAu	Other A	Pb
		57.9	61.0			Dk grey/green basalt/and. Diss carb/Epid/chlor, increasing towards end of run		9264		107			<5
		61.0	64.0			Dk grey/gn basalt/and. Mod. Carb/Epid & chlor.		9265		123			<5
		64.0	67.1			Dk grey/gn andesite, as above Mod. chlor/epid alt'n		9266		120			<5
						67.1 END OF HOLE (Drilled Dry).							

APPENDIX III

ANALYTICAL RESULTS

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
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(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 24-AUG-92

REPORT: V92-00982.0 (COMPLETE)

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 HL8+00N 24+00E		31	S1 HL16+00N 28+00E		28
S1 HL8+00N 25+00E		21	S1 HL16+00N 29+00E		14
S1 HL8+00N 26+00E		34	S1 HL16+00N 30+00E		47
S1 HL8+00N 27+00E		27	S1 HL16+00N 31+00E		38
S1 HL8+00N 28+00E		19	S1 HL16+00N 32+00E		31
S1 HL8+00N 29+00E		20	S1 HL16+00N 33+00E		29
S1 HL8+00N 30+00E		23	S1 HL16+00N 34+00E		56
S1 HL8+00N 31+00E		13	S1 HL16+00N 35+00E		30
S1 HL8+00N 32+00E		43	S1 HL16+00N 36+00E		24
S1 HL8+00N 33+00E		100	S1 HL16+00N 37+00E		54
S1 HL8+00N 34+00E		74	S1 HL16+00N 38+00E		82
S1 HL12+00N 20+00E		33	S1 HL16+00N 39+00E		85
S1 HL12+00N 21+00E		35	S1 HL16+00N 40+00E		26
S1 HL12+00N 22+00E		117	S1 HL20+00N 20+00E		19
S1 HL12+00N 23+00E		27	S1 HL20+00N 21+00E		13
S1 HL12+00N 24+00E		19	S1 HL20+00N 22+00E		28
S1 HL12+00N 25+00E		21	S1 HL20+00N 23+00E		29
S1 HL12+00N 26+00E		14	S1 HL20+00N 24+00E		22
S1 HL12+00N 27+00E		20	S1 HL20+00N 25+00E		19
S1 HL12+00N 28+00E		11	S1 HL20+00N 26+00E		25
S1 HL12+00N 29+00E		20	S1 HL20+00N 26+60E		27
S1 HL12+00N 30+00E		33	S1 HL20+00N 29+00E		82
S1 HL12+00N 31+00E		25	S1 HL20+00N 30+00E		24
S1 HL12+00N 32+00E		43	S1 HL20+00N 31+00E		31
S1 HL12+00N 33+00E		25	S1 HL20+00N 32+00E		27
S1 HL12+00N 34+00E		36	S1 HL20+00N 33+00E		33
S1 HL12+00N 35+00E		13	S1 HL20+00N 34+00E		39
S1 HL12+00N 36+00E		31	S1 HL20+00N 35+00E		19
S1 HL12+00N 37+00E		84	S1 HL20+00N 36+00E		36
S1 HL12+00N 38+00E		39	S1 HL20+00N 37+00E		69
S1 HL12+00N 39+00E		15	S1 HL20+00N 38+00E		46
S1 HL12+00N 40+00E		14	S1 HL20+00N 39+00E		51
S1 HL16+00N 20+00E		35	S1 HL21+00N 10+00E		32
S1 HL16+00N 21+00E		58	S1 HL21+00N 11+00E		25
S1 HL16+00N 22+00E		167	S1 HL21+00N 12+00E		26
S1 HL16+00N 23+00E		121	S1 HL21+00N 13+00E		27
S1 HL16+00N 24+00E		36	S1 HL21+00N 14+00E		40
S1 HL16+00N 25+00E		29	S1 HL21+00N 15+00E		26
S1 HL16+00N 26+00E		50	S1 HL21+00N 16+00E		25
S1 HL16+00N 27+00E		36	S1 HL21+00N 17+00E		32

Bondar-Clegg & Company Ltd.
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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V92-00982.0 (COMPLETE)

DATE PRINTED: 24-AUG-92

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 HL21+00N 18+00E		21	S1 HL28+00N 7+00E		38
S1 HL21+00N 19+00E		25	S1 HL28+00N 8+00E		28
S1 HL24+00N 30+00E		30	S1 HL28+00N 9+00E		20
S1 HL24+00N 31+00E		29	S1 HL28+00N 10+00E		20
S1 HL24+00N 32+00E		44	S1 HL28+00N 11+00E		23
S1 HL24+00N 33+00E		106	S1 HL28+00N 12+00E		27
S1 HL25+00N 3+00E		30	S1 HL28+00N 14+00E		36
S1 HL25+00N 4+00E		172	S1 HL28+00N 15+00E		55
S1 HL25+00N 5+00E		20	S1 HL28+00N 16+00E		20
S1 HL25+00N 6+00E		87	S1 HL28+00N 17+00E		30
S1 HL25+00N 7+00E		47	S1 HL28+00N 18+00E		27
S1 HL25+00N 8+00E		35	S1 HL28+00N 19+00E		41
S1 HL25+00N 9+00E		29	S1 HL28+00N 20+00E		72
S1 HL25+00N 10+00E		29	S1 HL28+00N 21+00E		56
S1 HL25+00N 11+00E		16	S1 HL28+00N 25+00E		97
S1 HL25+00N 12+00E		25	S1 HL28+00N 26+00E		41
S1 HL25+00N 13+00E		13	S1 HL28+00N 27+00E		63
S1 HL25+00N 14+00E		17	S1 HL28+00N 28+00E		32
S1 HL25+00N 15+00E		20	S1 HL28+00N 29+00E		26
S1 HL25+00N 16+00E		26	S1 HL28+00N 30+00E		39
S1 HL25+00N 17+00E		18	S1 HL28+00N 31+00E		55
S1 HL25+00N 18+00E		12	S1 HL28+00N 32+00E		30
S1 HL25+00N 19+00E		26	S1 HL32+00N 0+00E		16
S1 HL25+00N 21+00E		49	S1 HL32+00N 1+00E		49
S1 HL25+00N 22+00E		25	S1 HL32+00N 2+00E		31
S1 HL25+00N 23+00E		26	S1 HL32+00N 3+00E		33
S1 HL25+00N 24+00E		36	S1 HL32+00N 4+00E		24
S1 HL25+00N 25+00E		21	S1 HL32+00N 5+00E		14
S1 HL25+00N 26+00E		31	S1 HL32+00N 6+00E		26
S1 HL25+00N 27+00E		30	S1 HL32+00N 7+00E		21
S1 HL25+00N 28+00E		30	S1 HL32+00N 10+00E		26
S1 HL25+00N 29+00E		22	S1 HL32+00N 11+00E		24
S1 HL25+00N 30+00E		69	S1 HL32+00N 12+00E		47
S1 HL28+00N 0+00E		31	S1 HL32+00N 13+00E		24
S1 HL28+00N 1+00E		134	S1 HL32+00N 14+00E		37
S1 HL28+00N 2+00E		40	S1 HL32+00N 15+00E		42
S1 HL28+00N 3+00E		25	S1 HL32+00N 16+00E		25
S1 HL28+00N 4+00E		33	S1 HL32+00N 17+00E		51
S1 HL28+00N 5+00E		17	S1 HL32+00N 18+00E		32
S1 HL28+00N 6+00E		23	S1 HL32+00N 19+00E		80

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DATE PRINTED: 24-AUG-92

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 HL32+00N 20+00E		77	S1 HL36+00N 32+00E		88
S1 HL32+00N 21+00E		75	S1 HL40+00N 2+00E		206
S1 HL32+00N 25+00E		34	S1 HL40+00N 3+00E		19
S1 HL32+00N 26+00E		41	S1 HL40+00N 4+00E		23
S1 HL32+00N 27+00E		58	S1 HL40+00N 5+00E		14
S1 HL32+00N 28+00E		53	S1 HL40+00N 6+00E		139
S1 HL32+00N 29+00E		59	S1 HL40+00N 7+00E		96
S1 HL32+00N 30+00E		35	S1 HL40+00N 8+00E		58
S1 HL32+00N 31+00E		40	S1 HL40+00N 10+00E		47
S1 HL32+00N 32+00E		47	S1 HL40+00N 11+00E		26
S1 HL32+00N 33+00E		153	S1 HL40+00N 12+00E		37
S1 HL32+00N NO NUMBER		53	S1 HL40+00N 13+00E		35
S1 HL36+00N 0+00E		24	S1 HL40+00N 14+00E		71
S1 HL36+00N 1+00E		14	S1 HL40+00N 15+00E		46
S1 HL36+00N 2+00E		24	S1 HL40+00N 16+00E		47
S1 HL36+00N 4+00E		35	S1 HL40+00N 17+00E		47
S1 HL36+00N 5+00E		37	S1 HL40+00N 18+00E		45
S1 HL36+00N 6+00E		21	S1 HL40+00N 19+00E		42
S1 HL36+00N 7+00E		35	S1 HL40+00N 20+00E		50
S1 HL36+00N 8+00E		33	S1 HL40+00N 21+00E		38
S1 HL36+00N 9+00E		23	S1 HL40+00N 22+00E		74
S1 HL36+00N 10+00E		15	S1 HL40+00N 23+00E		46
S1 HL36+00N 11+00E		33	S1 HL40+00N 24+00E		69
S1 HL36+00N 12+00E		30	S1 HL40+00N 25+00E		51
S1 HL36+00N 13+00E		74	S1 HL40+00N 26+00E		50
S1 HL36+00N 14+00E		37	S1 HL40+00N 27+00E		32
S1 HL36+00N 15+00E		43	S1 HL40+00N 28+00E		27
S1 HL36+00N 16+00E		22	S1 HL40+00N 29+00E		30
S1 HL36+00N 17+00E		63	S1 HL40+00N 30+00E		250
S1 HL36+00N 18+00E		41	S1 HL44+00N 20+00E		58
S1 HL36+00N 19+00E		73	S1 HL44+00N 21+00E		42
S1 HL36+00N 20+00E		42	S1 HL44+00N 22+00E		47
S1 HL36+00N 21+00E		56	S1 HL44+00N 23+00E		63
S1 HL36+00N 22+00E		57	S1 HL44+00N 24+00E		90
S1 HL36+00N 26+40E		29	S1 HL44+00N 25+00E		100
S1 HL36+00N 27+00E		30	S1 HL44+00N 26+00E		60
S1 HL36+00N 28+00E		22	S1 HL44+00N 27+00E		41
S1 HL36+00N 29+00E		98	S1 HL44+00N 28+00E		191
S1 HL36+00N 30+00E		52	S1 HL44+00N 29+00E		430
S1 HL36+00N 31+00E		24	S1 HL48+00N 20+00E		81

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PROJECT: NONE GIVEN PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 HL48+00N 21+00E		56
S1 HL48+00N 22+00E		91
S1 HL48+00N 23+00E		62
S1 HL48+00N 24+00E		58
S1 HL48+00N 25+00E		164
S1 HL48+00N 26+00E		53
S1 HL48+00N 27+00E		45
S1 HL48+00N 28+00E		50
S1 HL52+00N 20+00E		31
S1 HL52+00N 21+00E		90
S1 HL52+00N 22+00E		61
S1 HL52+00N 23+00E		50
S1 HL52+00N 24+00E		62
S1 HL52+00N 25+00E		21
S1 HL52+00N 26+00E		168
S1 HL52+00N 28+00E		130
S1 HL56+00N 20+00E		36
S1 HL56+00N 21+00E		59
S1 HL56+00N 22+00E		181
S1 HL56+00N 23+00E		28
S1 HL56+00N 24+00E		61
S1 HL56+00N 25+00E		53
S1 HL56+00N 26+00E		30
S1 HL56+00N 27+00E		57
S1 HL56+00N 27+90E		56

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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V92-00983.0 (COMPLETE)

DATE PRINTED: 28-AUG-92

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Cu PPM
S1 8L40+00E 6+65N			38
S1 8L40+00E 7+50N			40
S1 8L40+00E 8+50N			155
S1 8L40+00E 9+50N			156
S1 8L40+00E 10+50N			20
S1 8L42+00E 5+00N			45
S1 8L42+00E 5+50N			60
S1 8L42+00E 6+00N			45
S1 8L42+00E 6+50N			35
S1 8L42+00E 7+00N			135
S1 8L42+00E 7+50N			77
S1 8L42+00E 8+00N			189
S1 8L42+00E 8+50N			66
S1 8L42+00E 9+00N			77
S1 8L42+00E 9+50N			26
S1 8L42+00E 10+00N			21
S1 8L44+00E 4+50N			23
S1 8L44+00E 5+40N			98
S1 8L44+00E 6+50N			38
S1 8L44+00E 7+50N			201
S1 8L44+00E 8+50N			36
S1 8L46+00E 3+00N			55
S1 8L46+00E 3+50N			192
S1 8L46+00E 4+00N			53
S1 8L46+00E 4+50N			66
S1 8L46+00E 5+00N			40
S1 8L46+00E 5+50N			86
S1 8L46+00E 7+00N			59
S1 8L46+00E 7+50N			26
S1 8L46+00E 8+00N			20
S1 8L48+00E 3+50N			70
S1 8L48+00E 4+50N			104
S1 8L48+00E 5+50N			89
S1 8L48+00E 6+50N			75
S1 8L48+00E 7+50N			136
S1 8L50+00E 1+50N			24
S1 8L50+00E 2+00N			38
S1 8L50+00E 2+50N			24
S1 8L50+00E 3+00N			58
S1 8L50+00E 3+50N			47
S1 8L50+00E 4+00N			46
S1 8L50+00E 4+50N			140
S1 8L50+00E 5+00N			148
S1 8L50+00E 5+50N			84
S1 8L50+00E 6+00N			120
S1 8L50+00E 6+50N			50
S1 8L52+00E 0+50N			70
S1 8L52+00E 1+50N			50
S1 8L52+00E 2+50N			42
S1 8L52+00E 3+50N			43
S1 8L52+00E 4+50N			206
S1 8L52+00E 5+50N			73
S1 8L54+00E 0+00N			45
S1 8L54+00E 0+50N			58
S1 8L54+00E 1+00N			59
S1 8L54+00E 1+50N			100
S1 8L54+00E 2+00N			45
S1 8L54+00E 2+50N			75
S1 8L54+00E 3+00N			146
S1 8L54+00E 4+50N			177
R2 H9201		54	58
R2 H9202		14	74
R2 H9203		<5	103
R2 H9204		<5	82
R2 H9205		<5	110
R2 H9206		12	90
R2 H9207		<5	119
R2 H9208		<5	42
R2 H9209		31	365
R2 H9210		6	35
R2 H9211		10	1010

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Geochemical Lab Report

Inchcape Testing Services

REPORT: V92-01282.0 (COMPLETE)

DATE PRINTED: 28-OCT-92
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Cu PPM
S1 B1-1			75	R2 19279		<5	9
S1 B1-2			65	R2 19280		<5	11
S1 B1-3			62	R2 19281		<5	14
S1 B1-4			68				
S1 B1-5			75				
S1 H3-1			98				
S1 H3-2			337				
S1 H3-3			183				
S1 L44+00N 28+50E			18				
R2 18898		<5	230				
R2 18899		<5	132				
R2 18900		<5	113				
R2 19251		24	135				
R2 19252		<5	137				
R2 19253		<5	142				
R2 19254		<5	176				
R2 19255		<5	189				
R2 19256		<5	217				
R2 19257		<5	193				
R2 19258		<5	99				
R2 19259		<5	70				
R2 19260		<5	78				
R2 19261		<5	100				
R2 19262		<5	116				
R2 19263		<5	120				
R2 19264		<5	109				
R2 19265		<5	123				
R2 19266		<5	120				
R2 19267		<5	70				
R2 19268		<5	67				
R2 19269		<5	104				
R2 19270		<5	77				
R2 19271		<5	87				
R2 19272		<5	92				
R2 19273		<5	139				
R2 19274		<5	26				
R2 19275		<5	44				
R2 19276		<5	24				
R2 19277		<5	10				
R2 19278		<5	11				

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Geochemical Lab Report

Inchcap Testing Services

REPORT: V92-01271.0 (COMPLETE)

DATE PRINTED: 20-OCT-92

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
S1 H1-1		287	S1 L46N 27+00E		161
S1 H1-2		228	S1 L46N 27+50E		51
S1 H2-1		158	S1 L46N 28+00E		55
S1 H2-2		210	S1 L46N 28+50E		101
S1 H2-3		167	S1 L46N 29+00E		65
S1 L11-1		104	S1 L48N 24+50E		106
S1 L11-2		73	S1 L48N 25+50E		94
S1 L11-3		71	S1 L48N 26+50E		27
S1 L11-4		65	S1 L48N 27+50E		117
S1 L11-5		73	S1 L50N 24+00E		142
S1 L11-6		62	S1 L50N 24+50E		105
S1 L11-7		137	S1 L50N 25+00E		272
S1 L11-8		134	S1 L50N 25+50E		90
S1 L11-9		88	S1 L50N 26+00E		25
S1 L11-10		37	S1 L50N 26+50E		75
S1 L12-1		115	S1 L50N 27+00E		30
S1 L12-2		110	S1 L50N 27+50E		145
S1 L12-3		109	R2 18864		50
S1 L12-4		84	R2 18865		339
S1 L12-5		56	R2 18866		228
S1 L12-6		65	R2 18867		207
S1 L12-7		82	R2 18868		228
S1 L12-8		102	R2 18869		219
S1 L12-9		84	R2 18870		208
S1 L40N 29+50E		33	R2 18871		195
S1 L40N 30+50E		52	R2 18872		183
S1 L40N 31+00E		66	R2 18873		201
S1 L40N 31+50E		43	R2 18874		183
S1 L42N 27+50E		39	R2 18875		208
S1 L42N 28+00E		39	R2 18876		205
S1 L42N 28+50E		19	R2 18877		164
S1 L42N 29+00E		123	R2 18878		183
S1 L42N 29+50E		47	R2 18879		191
S1 L42N 30+00E		122	R2 18880		153
S1 L42N 30+30E		262	R2 18881		190
S1 L44N 27+50E		62	R2 18882		194
S1 L46N 25+00E		66	R2 18883		208
S1 L46N 25+50E		89	R2 18884		287
S1 L46N 26+00E		77	R2 18885		187
S1 L46N 26+50E		42	R2 18886		260

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Geochemical Lab Report

Inchcape Testing Services

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REPORT: V92-01271.0 (COMPLETE) PROJECT: NONE GIVEN PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
R2 18887		225			
R2 18888		236			
R2 18889		335			
R2 18890		258			
R2 18891		220			
R2 18892		205			
R2 18893		226			
R2 18894		230			
R2 18895		208			
R2 18896		224			
R2 18897		207			

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Geochemical Lab Report

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REPORT: V92-01271.1 (COMPLETE) PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 18865		<5
R2 18866		<5
R2 18867		<5
R2 18868		<5
R2 18884		<5
R2 18885		<5
R2 18886		<5
R2 18887		<5
R2 18888		<5
R2 18889		<5
R2 18890		<5
R2 18891		<5
R2 18892		<5
R2 18893		<5
R2 18894		<5

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APPENDIX IV

ANALYTICAL PROCEDURES

GEOCHEMICAL ANALYSIS FOR GOLD

Fire Assay Preconcentration finished by Atomic Absorption Spectroscopy

The fire assay preconcentration consists of a standard litharge fusion followed by cupellation of the lead button to obtain the precious metals concentrated into a tiny (about 3 mg) silver prill. Bondar-Clegg has adopted this technique as our primary method for the preconcentration of gold and other precious metals because of its proven track record and sensitivity. The silver prill is dissolved in aqua regia and the diluted solution is then aspirated into the AAS flame for measurement of the gold concentration.

GEOCHEMICAL ANALYSIS FOR Cu

Copper is analyzed routinely by Atomic Absorption Spectroscopy (AAS) following the dissolution of the sample with aqua regia. AAS is an instrumental method of analysis in which a sample that has been put into an aqueous solution is aspirated into the flame of the instrument for measurement of the concentration of the element(s) of interest. A light source emits light at the wave length of the element to be measured in a beam that passes through the flame. The atoms of the element in the flame absorb the light in proportion to the concentration of the element in the sample solution. This absorption is compared to those measured when a series of standard solutions has been aspirated in order to estimate the concentration of the element in the sample solution