

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.03.03

ASSESSMENT REPORT 17483

MINING DIVISION: Cariboo

PROPERTY: North Circle

LOCATION: LAT 52 47 00 LONG 122 12 00  
UTM 10 5848251 553958  
NTS 093B16E

CLAIM(S): Circle, Circle 2-3

OPERATOR(S): Circle Res.

AUTHOR(S): Kahlert, B.

REPORT YEAR: 1988, 54 Pages

COMMODITIES

SEARCHED FOR: Gold

GEOLOGICAL

SUMMARY: The claims are underlain by Quesnellia terrane volcanic-sedimentary units immediately adjacent to the Pinchi Fault. Single spot soil anomalies contain up to 2250 ppb gold.

WORK

DONE: Geochemical

LINE 26.8 km

ROCK 15 sample(s) ;ME

SILT 40 sample(s) ;AU,AG,AS,SB,CU,PB,ZN

SOIL 532 sample(s) ;AU,AG,AS,SB,CU,PB,ZN

Map(s) - 2; Scale(s) - 1:5000

LOG NO: 0614

RD.

ACTION:

## BERNARD H. KAHLERT P.Eng.

Consulting Geologist  
Mineral Exploration

FILE NO:

1195 Sutton Place, West Vancouver, B.C. V7S 2L3 Tel. (604) 925-2743

## GEOCHEMICAL REPORT

Claims

Circle No. A886  
 Circle 2 No. 8628  
 Circle 3 No. 8823

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

Cariboo Mining Division

17,483

NTS 93 B/16

 FILMED

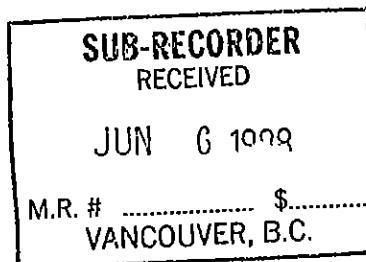
Lat. 52° 47' N., Long. 122° 12' W.

Owner  
Contractor  
ConsultantCircle Resources Ltd.  
Aurum Geological Consultants  
B.H. Kahlert & Associates  
Ltd.

Author

B.H. Kahlert

Date

June 3, 1988  
West Vancouver, B.C.

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## INTRODUCTION

This report describes a geochemical follow-up survey completed on the Circle, Circle 2 and Circle 3 claims located 35 kilometres southeast of Quesnel, B.C. Work consisted of stream sampling, establishment of an extensive grid from which soil samples were collected and heavy mineral stream sediment sampling. Reconnaissance geological mapping was undertaken, however lack of outcrop precluded detailed geological evaluation.

The writer outlined and supervised the work program which was carried out by geologist B. Fraser.

B.H.Kahlert & Associates

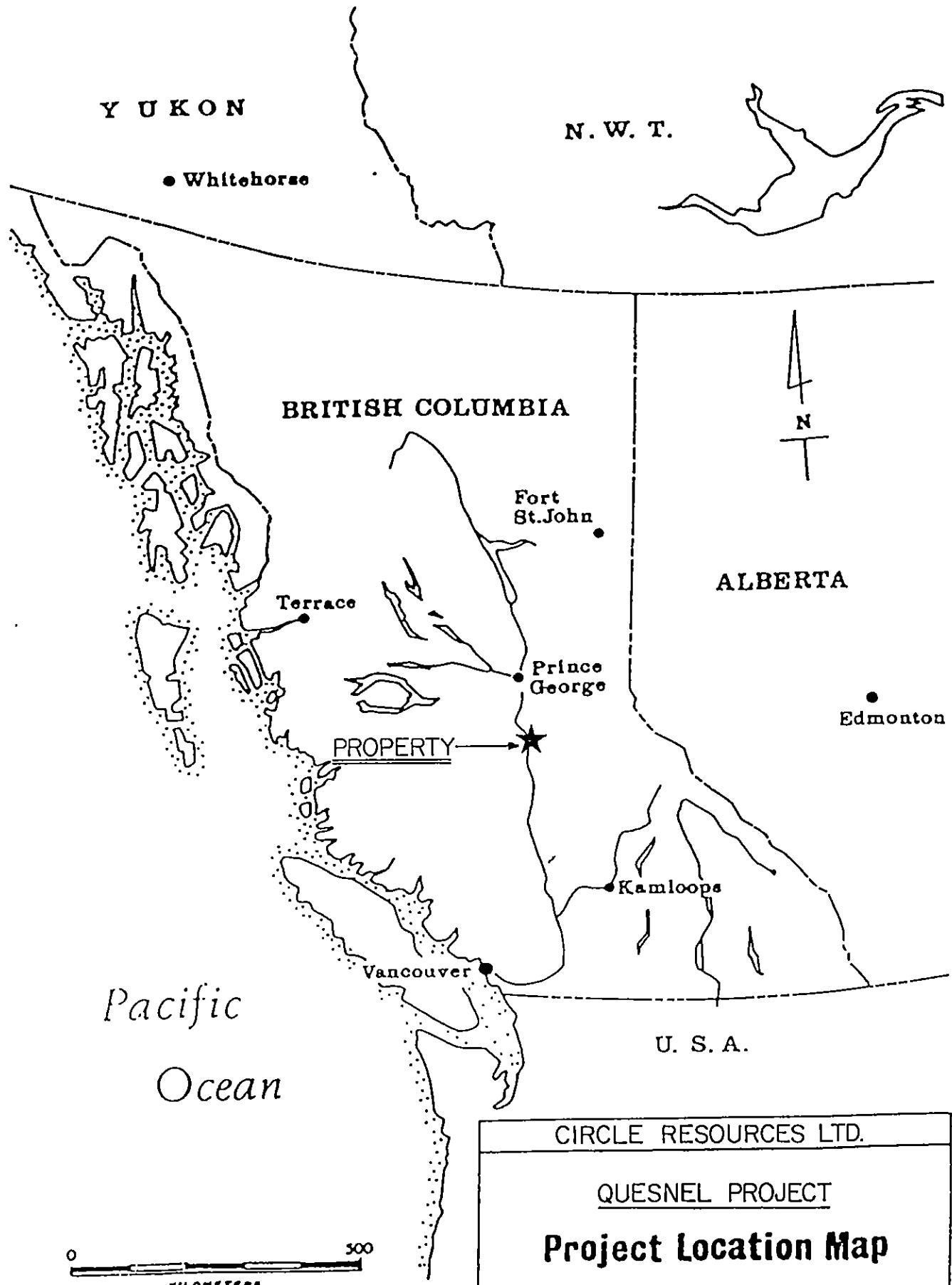


Figure 1

NORTH CIRCLE PROPERTY

**Location and Access**

Exploration history on the property is not known.

The North Circle property is located 29 kilometers SE of Quesnel, B.C. (see Figure 1). It is easily reached from Quesnel via 9 kilometers of paved road and 26 kilometers of good gravel road along the Western side of the Quesnel River. An alternate route is via 15 kilometers of gravel road East from Kersley (20 kilometers south of Quesnel along Highway 97).

**Claim Description**

The North Circle property consists of 3 mineral claims, in total 58 units 14.5 sq. km.) situated at Latitude 52 degrees 47 minutes, Longitude 122 degrees 12 minutes in the Caribou Mining District of British Columbia (see Figure C.1).

Table C.1                           North Circle Claim List (NTS 93B/16E)

| Claim Name  | Record No. | Date of Record     | Units |
|-------------|------------|--------------------|-------|
| Circle      | 8286       | March 5, 1987      | 20    |
| Circle 2    | 8628       | September 25, 1987 | 18    |
| Circle 3    | 8823       | November 10, 1987  | 20    |
| total units |            |                    | 58    |

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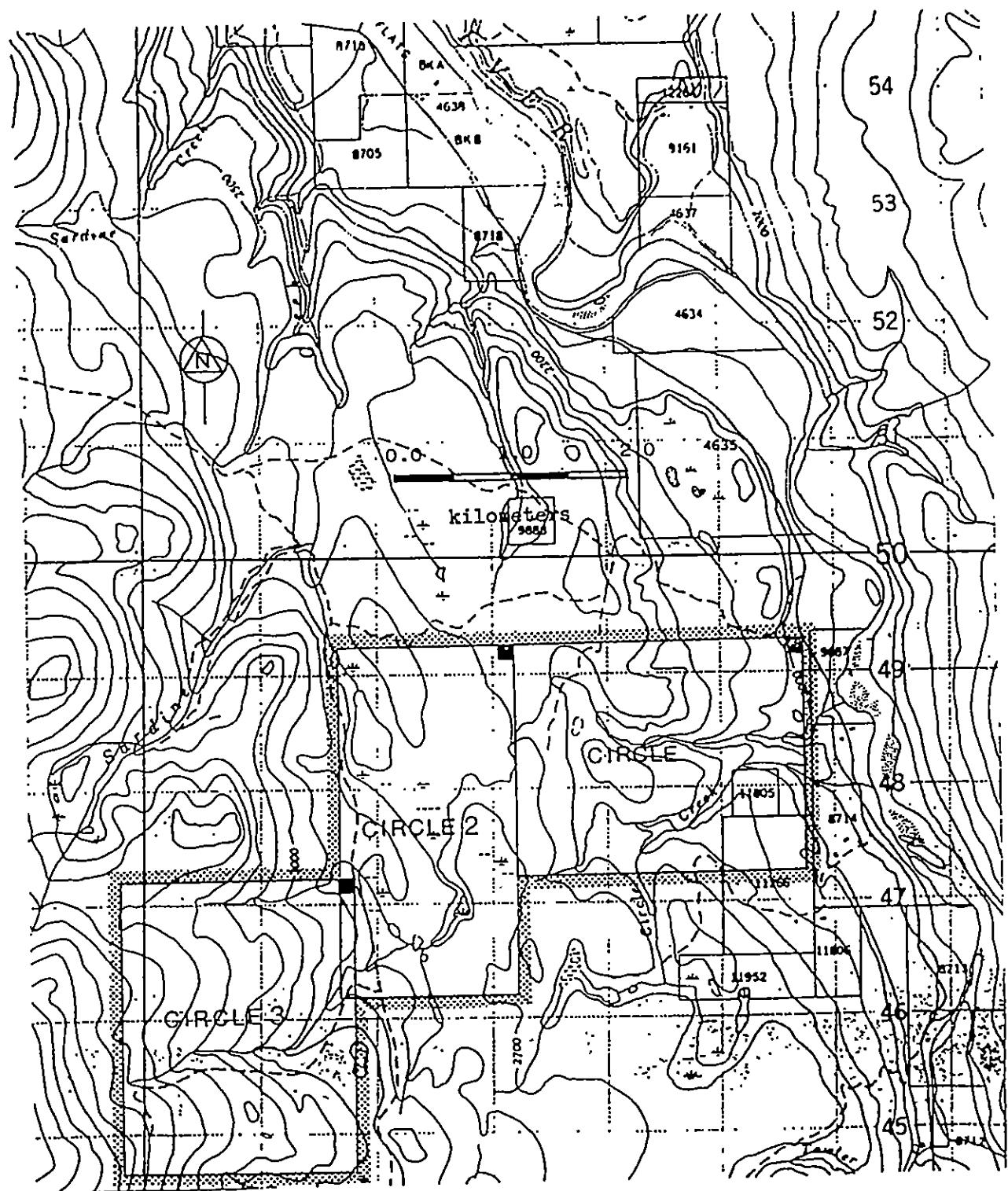


Figure C.1  
North Circle Property  
Location Plan (1:50,000)

## Geochemical Surveys

### a. Soil Grids

In total, 26.8 kilometers of flag line grid were placed on the property, mainly on Circle M.C. Work proceeded in two phases:

- o initial grid in September
- o extension of grid in October

The initial grid consisted of 20 lines of 800 meter length each with 100 meter station spacing, trending 60 degrees azimuth from a central base lines. The grid was designed to bracket the upstream drainage from a 195 ppb Au silt samples. During this phase:

- o 177 soil samples were collected. *Soil samples were taken with a grub hoe from the 'B' horizon at 15-30 cm depth*
- o 16.0 kilometre of tie line was flagged.
- o 1.9 kilometers of base line was machete cut and flagged.
- o 25 silt samples were taken from North Circle Creek West of Circle 2 claim. *from the active channel.*
- o 1 heavy mineral samples was taken.

Follow-up Grid involved:

1. extending the main grid 300 meters to the West.
2. fill-in sampling at 25 meter intervals on lines separated by 50 meters.

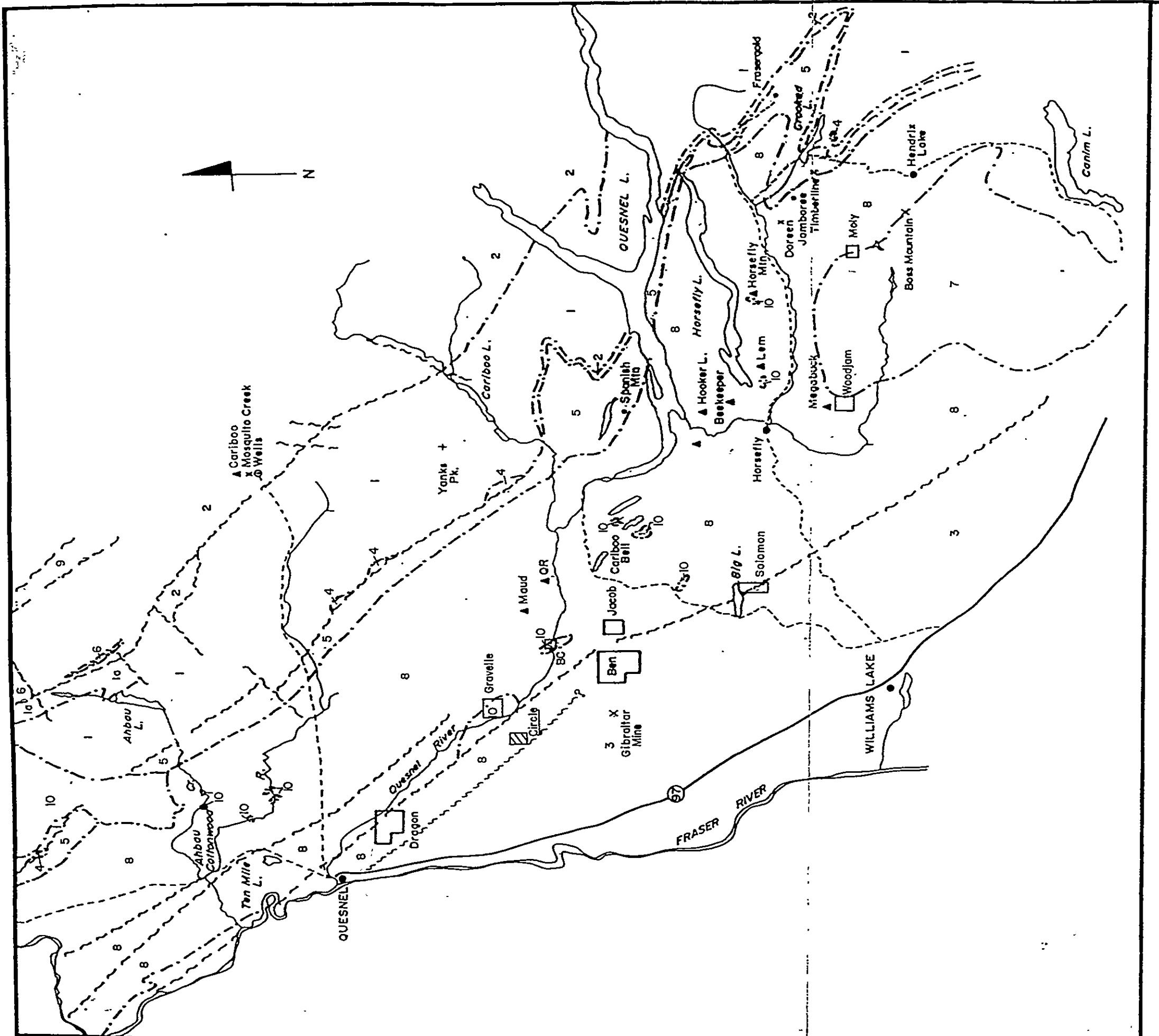
The follow-up grid covered 3 spot highs of 2,250 ppb Au, 90 ppb Au, and 55 ppb Au returned from the first stage work. As well, it tested the next 300 meters of upstream drainage of North Circle Creek. During this phase:

- o 355 soil samples were collected.
- o 8.9 kilometers of line were flagged.
- o 15 silt samples were collected from the creek West of Circle 2 claim and South of Sardine Creek.

**Geology**

a. Rock Types

North Circle property is underlain by Jurassic sediments belonging to the Quesnellia Terrane over most of the Circle and Circle 2 claims (See Fig. C.3, over). These sediments consist of argillite and siltstone, locally metamorphosed to shale and slate where folding is pronounced. Forming the more resistant hills to the West of Circle 2 claim at elevations over 900 metres is a mixed package of fine grained pale gn tuff and argillite.



- LOWER CRETACEOUS**  
Porphyritic Granite
- QUESNEL TERRANE**  
**UPPER TRIASSIC and/or LOWER JURASSIC**  
Takla Group  
Grey wacke, siltstone, minor conglomerate, argillite, augite porphyry breccia
- LATE TRIASSIC**  
Tatamkane Batholith; granodiorite, quartz diorite, quartz monzonite
- UPPER TRIASSIC**  
Siltite, pelite, limestone, minor bimictic limestone
- MIDDLE AND UPPER TRIASSIC**  
Black Phyllite, slate
- UPPER PALEOZOIC**  
Serpentinite, amphibolite
- 4**  Grt, quartzite
- 5**  Black Phyllite, slate
- 6**  Siltite, pelite, limestone, minor bimictic limestone
- 7**  Tatamkane Batholith
- 8**  Alkalic basaltic and andesitic volcaniclastics, flows, augite porphyry breccia, limestone, conglomerate, slate and related diorite stocks, sills, and dykes
- 9**  **OMINECA CRYSTALLINE BELT**  
**HADYNIAN AND PALEOZOIC**  
Slide Mountain Group  
Basalt, chert
- 10**  **CACHE CREEK TERRANE**  
**UPPER PALEOZOIC**  
Cache Creek Group  
Basalt, chert, limestone
- Faults**
- Geologic contact**
- GOLD OCCURRENCES**
- Au Hydrothermal-Epigenetic
  - Au Stratobound
  - Au Bearing veins
  - Porphyry Cu/Mo Deposit
  - Road
  - CIRCLE Claim group

| Drawn by | 1/6       | Scale       | 1:750,000 |
|----------|-----------|-------------|-----------|
| Date     | SEPT. '87 | Present No. | 001       |

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QUESNEL PROJECT

COMPLICATION MAP

FIG. C.3

Most of the property is covered by a mantle of glacio-fluvial deposits. Outcrop exposures on the road NW of Circle 2 as well as creek exposures in North Circle Creek indicate thickness of overburden does not likely exceed 20 meters over the plateau between 750 and 800 metres elevation. However, near the Quesnel River, glaciofluvials may be up to 50 meters thick.

b. Structure

Shale outcrops in North Circle Creek show open folds with fold axes of 112/20. Bedding in shales in North Circle trended mainly 287-310 azimuth with 50-80 dips to the Southwest. Cross-cutting bedding and folds is an en echelon set of tension fractures, joints and related 1"-6" quartz-carbonate-pyrite veinlets with weak chalcopyrite, striking 192 to 210 and dipping 50 to 56 degrees West. Grab samples of these veins ran 20-30 ppb Au.

c. Alteration

Carbonate-mariposite float was found 900 meters down south Circle Creek from 600N-2800E. Strong carbonate-mariposite float was found on the main road 4.2 kilometers NW of the NW corner of Circle 2. This sample ran 5976 ppm Sb. Exposures of tuff, where observed West of Circle 2, were commonly epidotized and chloritized.

## Prospecting

Discovery of carbonate-mariposite West of Circle M.C. led to staking of Circle 2 M.C. in September 1987. Confirmation of anomalous stream geochem on North Circle Creek West of Circle 2 led to staking of Circle 3 M.C. in November 1987.

## Geochem Results

### a. Soils (See Plans C-1, C-2)

Numerous single point highs ranging from 15 to 2,250 ppb Au were returned from the preliminary soil survey (177 soils). Follow-up sampling focussed on three areas centered at:

- |               |             |
|---------------|-------------|
| o 1900N-3000W | 2250 ppb Au |
| o 1500N-2300W | 55 ppb Au   |
| o 900N-2400W  | 90 ppb Au   |

Detail sampling confirmed enriched Au with spotty distribution. 1900N area showed a general association of high Au with Zn > 130 ppm. The 1500N area showed a correlation between gold and copper > 44 ppm, silver > 1.2 ppm. The 900N area appears weakly enriched in Sb (4-5 ppm) with spot Au ranging from 15 to 770 ppb.

The extended grid included several samples running 20-25 ppb Au on lines 700N and 600N between 3100 and 3300W with associated Cu and Ag. Given the strike (030 degrees) of weakly mineralized quartz-pyrite-cpy veins in North Circle Creek, this new area may represent the extension of similar vein systems to South Circle Creek.

b. Stream Geochem

Silt samples from the upper reaches of the North Circle Creek, West of Circle 2 claim were strongly anomalous with values of from 30 to 1,030 ppb Au. These results warranted staking of Circle 3 claim, covering the immediate drainage. Silt samples from the next creek to the North showed anomalous arsenic values from 19 to 35 ppm As, however gold values are less than 15 ppb Au.

c. Heavy Mineral Sample

The heavy mineral sample from South Circle Creek showed background 5 ppb Au in the -40 mesh non-magnetic fraction and weakly anomalous 25 ppb Au in the -80 mesh non-magnetic fraction.

**Property Magnetics (See Figure C.2)**

Ground magnetometer surveys were not run on North Circle property

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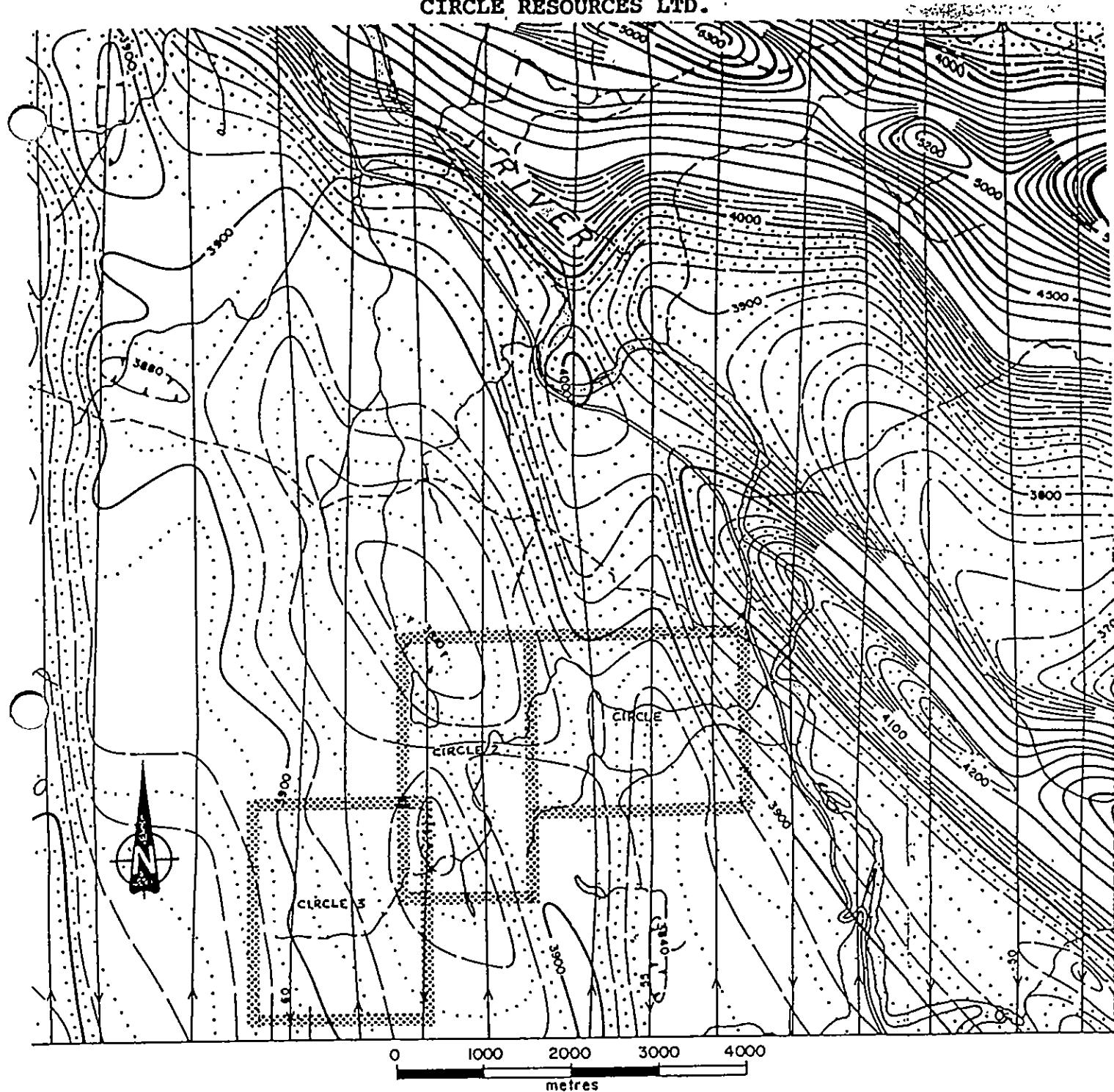


Figure C.2  
North Circle Property  
Aeromagnetic Contour Map (1:62,500)

as government air mag shows a broad open pattern over the whole property.

#### Evaluation

Soil results from North Circle property are encouraging but spotty distribution of high Au values has not clearly defined a strong zone. There are indications that a zone trending 030 degrees links South Circle Creek and North Circle Creek associated with narrow extensional quartz-pyrite-weak chalcopyrite veins. Grabs of better mineralized vein material from North Circle Creek ran 20-30 ppb Au.

Further extension of the soil grid onto Circle 2 and 3 is warranted in conjunction with ground evaluation of spot high values which run up to 2,250 ppb Au.

#### Work Recommended

##### a. Geochem

- o ground examination of soil highs, possibly some trenching.
- o extension of soil grid to West to cover drainage of North Circle Creek on Circle 2 and Eastern 1,000 meters of Circle 3.

- o soil sampling at 100 metre intervals on lines spaced 100 meters apart.
- o 400 soil samples.
- o 43 line-kilometers of flag line.

b. Geophysics

- o ground magnetometer survey with proton mag over entire grid (roughly 70 line-kilometers).
- o IP survey of anomalous zones based on soil geochemistry.



B. H. Kahlert

**APPENDIX I**  
**NORTH CIRCLE PROPERTY SOIL**  
**AND STREAM GEOCHEM ANALYSES**

Property: N. CIRCLE (c).

|         |          |               |
|---------|----------|---------------|
| FILES : | 7-1516.  | HEAVY MINERAL |
|         | 7-1516 S | SOILS         |
|         | 7-1640   | SILTS.        |
|         | 7-1831   | DETAIL SOILS. |
|         | 7-1870   | SILTS.        |

**MIN-EN LABORATORIES LTD.**

*Specialists in Mineral Environments*  
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: BEMA INDUSTRIES

Project: 87-24-C

Attention: B.KAHLERT/B.FRASER

File: 7-1516

Date: OCT 10/87

Type: SOIL GEOCHEM

Date Samples Received : OCT 2/87

Samples Submitted by : B. FRASER

Report on ..... 2 HEAVY MINERALS, 177 SOILS..... Geochem Samples

..... Assay Samples

Copies sent to:

1. BEMA INDUSTRIES, VANCOUVER, B.C.
2. BRIAN FRASER, QUESNEL, B.C.
- 3.

Samples: Sieved to mesh--80 SOILS..... Ground to mesh .....

Prepared samples stored:..... X .... discarded:.....  
rejects stored:..... discarded:..... X .....

Methods of analysis:

6 ELEMENT TRACE ICP.  
AU-WET.A.A.  
HM - SPECIFIC GRAVITY FLOTATION.

Remarks

Rec Oct 13/87

BFR

COMPANY: BEMA INDUSTRIES

PROJECT NO: 87-24-C

ATTENTION: B.KAHLELT/B.FRASER

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705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1516

\* TYPE HEAVY MINERAL \*

DATE: OCT 9, 1987

| (VALUES IN PPM) | AG  | AS | CU | PB | SB | ZN | AU-PPB | HMI  |
|-----------------|-----|----|----|----|----|----|--------|------|
| HH-SMP-DM-1-40M | 1.3 | 2  | 24 | 22 | 4  | 58 | 5      | 6.50 |
| HH-SMP-DM-1-80M | .7  | 8  | 23 | 17 | 4  | 58 | 25     | 8.06 |

Float Med Dens = 3.1 gm/cc

COMPANY: REHA INDUSTRIES  
PROJECT NO: 87-24-C

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(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1516S/P1+2

ATTENTION: B.KAHLETT/B.FRASER

(604) 980-5814 OR (604) 988-4524

\* TYPE SOIL GEOCHEM \* DATE: OCT 10, 1987

| (VALUES IN PPM) | AS  | AS | CU  | PB | SB | ZN  | AU-PPB        |
|-----------------|-----|----|-----|----|----|-----|---------------|
| 2500N 2200E     | .3  | 8  | 11  | 14 | 1  | 70  | 5             |
| 2500N 2300E     | .6  | 1  | 24  | 16 | 1  | 83  | 5             |
| 2500N 2400E     | .7  | 16 | 27  | 11 | 1  | 94  | 5             |
| 2500N 2500E     | .7  | 1  | 18  | 10 | 2  | 85  | 10            |
| 2500N 2600E     | 1.1 | 3  | 38  | 15 | 1  | 76  | 15            |
| 2500N 2700E     | .9  | 1  | 23  | 19 | 3  | 114 | 5             |
| 2500N 2800E     | .7  | 1  | 16  | 12 | 1  | 148 | 5             |
| 2500N 2900E     | .3  | 11 | 11  | 7  | 2  | 78  | 5             |
| 2500N 3000E     | .4  | 1  | 13  | 12 | 2  | 63  | 10            |
| 2400N 2200E     | .5  | 1  | 12  | 10 | 2  | 119 | 5             |
| 2400N 2300E     | .4  | 1  | 9   | 10 | 1  | 51  | 5             |
| 2400N 2400E     | .5  | 6  | 17  | 13 | 2  | 81  | 10            |
| 2400N 2500E     | .6  | 1  | 17  | 15 | 3  | 56  | 5             |
| 2400N 2600E     | .7  | 6  | 26  | 14 | 4  | 64  | 5             |
| 2400N 2700E     | .6  | 1  | 12  | 12 | 3  | 146 | 5             |
| 2400N 2800E     | .6  | 1  | 17  | 17 | 1  | 96  | 5             |
| 2400N 2900E     | .6  | 1  | 14  | 11 | 1  | 92  | 10            |
| 2400N 3000E     | .6  | 1  | 19  | 5  | 2  | 97  | 5             |
| 2300N 2200E     | .6  | 12 | 15  | 10 | 2  | 79  | 5             |
| 2300N 2300E     | .6  | 1  | 20  | 17 | 2  | 54  | 10            |
| 2300N 2400E     | .5  | 3  | 16  | 13 | 2  | 60  | 5             |
| 2300N 2600E     | .6  | 1  | 18  | 14 | 3  | 73  | 5             |
| 2300N 2700E     | .6  | 2  | 32  | 12 | 2  | 45  | 5             |
| 2300N 2800E     | .6  | 1  | 14  | 9  | 2  | 86  | 5             |
| 2300N 2900E     | .7  | 13 | 15  | 13 | 3  | 120 | 10            |
| 2300N 3000E     | .7  | 1  | 17  | 10 | 2  | 75  | 5             |
| 2200N 2200E     | .9  | 6  | 13  | 16 | 1  | 45  | <del>20</del> |
| 2200N 2300E     | .7  | 2  | 34  | 13 | 3  | 76  | 5             |
| 2200N 2400E     | .7  | 7  | 20  | 12 | 1  | 65  | 5             |
| 2200N 2500E     | .5  | 1  | 13  | 14 | 2  | 62  | 5             |
| 2200N 2600E     | .5  | 15 | 21  | 13 | 1  | 100 | 5             |
| 2200N 2700E     | .4  | 3  | 11  | 11 | 1  | 48  | 5             |
| 2200N 2800E     | .7  | 9  | 14  | 12 | 4  | 139 | 10            |
| 2200N 2900E     | .6  | 2  | 11  | 7  | 1  | 100 | 5             |
| 2200N 3000E     | .5  | 14 | 16  | 15 | 2  | 75  | 5             |
| 2100N 2200E     | .4  | 7  | 22  | 17 | 1  | 84  | 10            |
| 2100N 2300E     | .4  | 4  | 18  | 14 | 2  | 58  | 5             |
| 2100N 2400E     | .3  | 5  | 20  | 11 | 2  | 93  | 5             |
| 2100N 2500E     | .3  | 3  | 7   | 10 | 1  | 76  | 5             |
| 2100N 2600E     | .7  | 5  | 37  | 19 | 2  | 94  | 10            |
| 2100N 2700E     | .6  | 1  | 25  | 12 | 2  | 110 | 5             |
| 2100N 2800E     | .6  | 3  | 17  | 14 | 1  | 165 | 10            |
| 2100N 2900E     | .5  | 13 | 13  | 8  | 2  | 83  | 5             |
| 2100N 3000E     | .5  | 1  | 14  | 10 | 2  | 49  | 5             |
| 1000N 2200E     | .8  | 8  | 30  | 17 | 3  | 61  | 10            |
| 1000N 2300E     | .5  | 3  | 13  | 18 | 2  | 91  | 10            |
| 1000N 2400E     | .7  | 4  | 39  | 21 | 1  | 110 | 5             |
| 1000N 2500E     | 1.0 | 29 | 33  | 26 | 3  | 220 | 5             |
| 1000N 2600E     | .8  | 1  | 33  | 24 | 2  | 204 | 5             |
| 1000N 2700E     | .9  | 25 | 40  | 13 | 2  | 112 | 5             |
| 1000N 2800E     | .6  | 1  | 18  | 10 | 2  | 103 | 10            |
| 1000N 2900E     | .7  | 4  | 31  | 10 | 2  | 119 | 10            |
| 1000N 3000E     | 1.0 | 8  | 65  | 8  | 1  | -56 | 5             |
| 900N 2200E      | .5  | 3  | 18  | 14 | 1  | 87  | 5             |
| 900N 2300E      | .6  | 15 | 22  | 18 | 2  | 75  | 10            |
| 900N 2400E      | 1.9 | 1  | 280 | 15 | 1  | 80  | 90            |
| 900N 2500E      | .2  | 1  | 14  | 13 | 1  | 79  | <del>35</del> |
| 900N 2600E      | .6  | 2  | 17  | 12 | 1  | 63  | 5             |
| 900N 2700E      | .5  | 4  | 16  | 10 | 1  | 53  | 10            |
| 900N 2800E      | .5  | 10 | 13  | 11 | 2  | 54  | 5             |

COMPANY: BEMA INDUSTRIES  
PROJECT NO: 87-24-C

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ATTENTION: B.KAHLETT/B.FRASER

(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1316S/P3+4

\* TYPE SOIL GEOCHEM \* DATE: OCT 9, 1987

| VALUES IN PPM | Ag  | As | Cu  | Pb | Sb | Zn  | AU-PPB |
|---------------|-----|----|-----|----|----|-----|--------|
| 900N 2900E    | .5  | 1  | 18  | 16 | 3  | 99  | 5      |
| 900N 3000E    | .2  | 11 | 21  | 16 | 1  | 88  | 5      |
| 800N 2200E    | .4  | 13 | 22  | 16 | 1  | 96  | 5      |
| 800N 2300E    | .7  | 5  | 20  | 18 | 2  | 78  | 15     |
| 800N 2400E    | .8  | 1  | 17  | 10 | 1  | 76  | 5      |
| 800N 2500E    | .7  | 3  | 19  | 13 | 2  | 67  | 5      |
| 800N 2600E    | .5  | 1  | 18  | 10 | 1  | 61  | 10     |
| 800N 2700E    | .6  | 1  | 15  | 10 | 1  | 57  | 5      |
| 800N 2800E    | .6  | 4  | 18  | 11 | 3  | 62  | 5      |
| 800N 2900E    | 1.3 | 28 | 1   | 8  | 4  | 11  | 5      |
| 800N 3000E    | .7  | 1  | 17  | 9  | 2  | 102 | 5      |
| 700N 2200E    | .9  | 2  | 19  | 15 | 2  | 49  | 5      |
| 700N 2300E    | .8  | 6  | 21  | 16 | 2  | 93  | 15     |
| 700N 2400E    | .7  | 1  | 19  | 11 | 1  | 77  | 10     |
| 700N 2500E    | .7  | 5  | 23  | 15 | 2  | 84  | 5      |
| 700N 2600E    | .7  | 1  | 17  | 15 | 2  | 81  | 5      |
| 700N 2700E    | .5  | 1  | 8   | 10 | 2  | 61  | 5      |
| 700N 2800E    | .6  | 4  | 14  | 15 | 2  | 48  | 5      |
| 700N 2900E    | .6  | 2  | 26  | 12 | 3  | 63  | 5      |
| 700N 3000E    | .5  | 5  | 20  | 14 | 2  | 55  | 5      |
| 600N 2200E    | .8  | 1  | 28  | 14 | 2  | 86  | 5      |
| 600N 2300E    | .8  | 7  | 19  | 17 | 2  | 79  | 5      |
| 600N 2400E    | .6  | 7  | 16  | 11 | 2  | 64  | 10     |
| 600N 2500E    | .7  | 1  | 18  | 13 | 2  | 92  | 5      |
| 600N 2600E    | .7  | 5  | 16  | 13 | 2  | 98  | 5      |
| 600N 2700E    | .8  | 1  | 26  | 10 | 1  | 79  | 5      |
| 600N 2800E    | .5  | 4  | 22  | 10 | 2  | 54  | 5      |
| 600N 2900E    | .5  | 2  | 16  | 12 | 2  | 50  | 5      |
| 600N 3000E    | .8  | 1  | 15  | 6  | 2  | 53  | 10     |
| 1100N 2200E   | .5  | 5  | 24  | 15 | 1  | 44  | 5      |
| 1100N 2300E   | .9  | 4  | 47  | 23 | 3  | 93  | 5      |
| 1100N 2400E   | .4  | 1  | 29  | 14 | 2  | 79  | 5      |
| 1100N 2500E   | .9  | 4  | 39  | 13 | 2  | 76  | 15     |
| 1100N 2600E   | .6  | 3  | 30  | 16 | 2  | 66  | 10     |
| 1100N 2700E   | .4  | 10 | 14  | 10 | 1  | 92  | 5      |
| 1100N 2800E   | .5  | 1  | 19  | 6  | 1  | 121 | 10     |
| 1100N 2900E   | .5  | 1  | 16  | 13 | 1  | 76  | 10     |
| 1100N 3000E   | 1.5 | 32 | 131 | 10 | 8  | 213 | 5      |
| 1200N 2200E   | .7  | 5  | 28  | 17 | 3  | 68  | 5      |
| 1200N 2300E   | .7  | 6  | 39  | 15 | 1  | 70  | 5      |
| 1200N 2400E   | .6  | 1  | 29  | 18 | 3  | 102 | 5      |
| 1200N 2500E   | .9  | 6  | 41  | 16 | 4  | 82  | 15     |
| 1200N 2600E   | .7  | 9  | 31  | 12 | 3  | 72  | 5      |
| 1200N 2700E   | .6  | 1  | 24  | 10 | 2  | 63  | 20     |
| 1200N 2800E   | .6  | 1  | 18  | 12 | 2  | 45  | 10     |
| 1200N 2900E   | .9  | 5  | 23  | 14 | 3  | 97  | 10     |
| 1200N 3000E   | 1.0 | 2  | 40  | 21 | 2  | 120 | 5      |
| 1300N 2200E   | .9  | 4  | 32  | 20 | 3  | 89  | 10     |
| 1300N 2300E   | 1.1 | 4  | 52  | 22 | 2  | 84  | 15     |
| 1300N 2400E   | .5  | 4  | 21  | 15 | 1  | 51  | 15     |
| 1300N 2500E   | .9  | 5  | 46  | 17 | 3  | 80  | 20     |
| 1300N 2600E   | .7  | 8  | 35  | 16 | 3  | 74  | 5      |
| 1300N 2700E   | .5  | 4  | 36  | 13 | 3  | 65  | 5      |
| 1300N 2800E   | .7  | 1  | 18  | 13 | 2  | 80  | 5      |
| 1300N 2900E   | .4  | 1  | 11  | 13 | 2  | 59  | 10     |
| 1300N 3000E   | .7  | 1  | 24  | 8  | 2  | 105 | 5      |
| 1400N 2200E   | .9  | 7  | 40  | 18 | 3  | 70  | 5      |
| 1400N 2300E   | .6  | 6  | 34  | 13 | 2  | 59  | 5      |
| 1400N 2400E   | .4  | 3  | 12  | 12 | 2  | 65  | 10     |
| 1400N 2500E   | .4  | 8  | 29  | 15 | 3  | 49  | 5      |

COMPANY: BEMA INDUSTRIES  
PROJECT NO: 87-24-C

ATTENTION: B.KAHLETT/B.FRASER

MIN-EN LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1516S/P3+6

\* TYPE SOIL GEOCHEM \* DATE: OCT 9, 1987

| (VALUES IN PPM) | AG  | AS | CU  | PB | SB | ZN  | AU-PPB        |
|-----------------|-----|----|-----|----|----|-----|---------------|
| 1400N 2600E     | .3  | 1  | 22  | 13 | 2  | 54  | 5             |
| 1400N 2700E     | .2  | 1  | 10  | 11 | 1  | 55  | 10            |
| 1400N 2800E     | .9  | 1  | 38  | 13 | 1  | 148 | 10            |
| 1400N 2900E     | .6  | 1  | 16  | 11 | 2  | 63  | 5             |
| 1400N 3000E     | .8  | 7  | 25  | 13 | 3  | 73  | 5             |
| 1500N 2200E     | .5  | 3  | 18  | 11 | 1  | 59  | 5             |
| 1500N 2300E     | .5  | 2  | 15  | 14 | 1  | 48  | <u>55</u>     |
| 1500N 2400E     | .7  | 2  | 11  | 13 | 2  | 58  | <u>10</u>     |
| 1500N 2500E     | .6  | 1  | 22  | 14 | 2  | 62  | 5             |
| 1500N 2600E     | .8  | 4  | 41  | 13 | 3  | 69  | 5             |
| 1500N 2700E     | .5  | 2  | 13  | 9  | 1  | 125 | <u>20</u>     |
| 1500N 2800E     | .7  | 1  | 21  | 17 | 2  | 79  | 5             |
| 1500N 2900E     | .6  | 2  | 28  | 12 | 1  | 56  | 5             |
| 1500N 3000E     | .6  | 7  | 16  | 13 | 2  | 61  | 5             |
| 1600N 2200E     | .5  | 1  | 13  | 10 | 2  | 77  | 5             |
| 1600N 2300E     | .6  | 3  | 15  | 14 | 2  | 55  | 10            |
| 1600N 2400E     | .7  | 3  | 16  | 12 | 2  | 62  | 5             |
| 1600N 2600E     | .7  | 1  | 23  | 14 | 2  | 58  | 5             |
| 1600N 2700E     | .6  | 4  | 20  | 12 | 2  | 64  | 5             |
| 1600N 2800E     | .6  | 5  | 17  | 8  | 1  | 66  | <u>10</u>     |
| 1600N 2900E     | 1.5 | 1  | 125 | 13 | 3  | 92  | 5             |
| 1600N 3000E     | .6  | 1  | 20  | 10 | 3  | 71  | 5             |
| 1700N 2200E     | .6  | 4  | 10  | 8  | 3  | 121 | 5             |
| 1700N 2300E     | .6  | 2  | 21  | 13 | 2  | 91  | 5             |
| 1700N 2400E     | .5  | 1  | 10  | 8  | 2  | 55  | <u>15</u>     |
| 1700N 2500E     | .8  | 5  | 56  | 18 | 1  | 253 | 5             |
| 1700N 2600E     | .5  | 3  | 9   | 11 | 1  | 60  | 5             |
| 1700N 2700E     | .8  | 5  | 26  | 8  | 3  | 67  | 5             |
| 1700N 2900E     | .8  | 1  | 34  | 17 | 4  | 90  | 5             |
| 1700N 3000E     | .6  | 6  | 19  | 15 | 1  | 41  | 5             |
| 1800N 2200E     | .5  | 8  | 14  | 13 | 3  | 143 | 5             |
| 1800N 2300E     | .4  | 3  | 24  | 14 | 1  | 95  | 5             |
| 1800N 2400E     | .5  | 6  | 15  | 14 | 2  | 95  | 5             |
| 1800N 2500E     | .6  | 3  | 13  | 7  | 1  | 126 | <u>10</u>     |
| 1800N 2600E     | .4  | 3  | 15  | 14 | 1  | 89  | 5             |
| 1800N 2700E     | .3  | 3  | 17  | 11 | 1  | 61  | <u>10</u>     |
| 1800N 2800E     | .3  | 3  | 11  | 12 | 1  | 69  | 5             |
| 1800N 2900E     | .3  | 4  | 14  | 9  | 2  | 59  | 5             |
| 1800N 3000E     | .1  | 6  | 17  | 9  | 2  | 97  | 5             |
| 1900N 2200E     | .3  | 7  | 9   | 14 | 2  | 94  | 5             |
| 1900N 2300E     | .7  | 1  | 19  | 17 | 3  | 81  | 5             |
| 1900N 2400E     | .7  | 14 | 25  | 17 | 3  | 67  | 5             |
| 1900N 2500E     | .4  | 12 | 20  | 15 | 3  | 119 | <u>10</u>     |
| 1900N 2600E     | .5  | 1  | 17  | 15 | 1  | 64  | 5             |
| 1900N 2700E     | .5  | 4  | 11  | 9  | 2  | 95  | 5             |
| 1900N 2800E     | .8  | 1  | 8   | 14 | 1  | 86  | 5             |
| 1900N 2900E     | .9  | 16 | 22  | 13 | 3  | 120 | 5             |
| 1900N 3000E     | .9  | 14 | 22  | 16 | 3  | 73  | <u>2250</u> * |
| 2000N 2200E     | .3  | 7  | 12  | 13 | 2  | 38  | 5             |
| 2000N 2300E     | .6  | 1  | 36  | 15 | 3  | 71  | 5             |
| 2000N 2400E     | .5  | 10 | 15  | 11 | 2  | 154 | 10            |
| 2000N 2500E     | .7  | 6  | 17  | 14 | 3  | 94  | 5             |
| 2000N 2600E     | .6  | 12 | 31  | 14 | 2  | 70  | 5             |
| 2000N 2700E     | .5  | 7  | 15  | 7  | 3  | 90  | 5             |
| 2000N 2800E     | .3  | 3  | 9   | 10 | 2  | 72  | 5             |
| 2000N 2900E     | .8  | 13 | 20  | 8  | 3  | 127 | 5             |
| 2000N 3000E     | .7  | 13 | 14  | 9  | 3  | 72  | 5             |

COMPANY: BEMA INDUSTRIES

PROJECT NO: 87 24 C

ATTENTION: B.KAHLERT/B.FRASER

MIN-EN LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1640/P2

\* TYPE SOIL GEOCHEM \* DATE: NOV 1, 1987

| (VALUES IN PPM) | AG  | AS | CU | PB | SB | ZN | AU-PPB |
|-----------------|-----|----|----|----|----|----|--------|
| DM S 01 40M     | .4  | 9  | 28 | 14 | 3  | 65 | 10     |
| DM S 02         | .4  | 10 | 36 | 12 | 4  | 74 | 130    |
| DM S 03         | .6  | 7  | 32 | 13 | 1  | 72 | 30 -   |
| DM S 04         | .7  | 12 | 32 | 14 | 1  | 74 | 5      |
| DM S 05 40M     | .9  | 17 | 31 | 16 | 2  | 75 | 5      |
| DM S 06         | 1.2 | 14 | 31 | 14 | 3  | 73 | 5      |
| DM S 07 40M     | .8  | 1  | 33 | 16 | 2  | 72 | 10     |
| DM S 08 40M     | .8  | 1  | 29 | 16 | 2  | 70 | 10     |
| DM S 09 40M     | 1.0 | 1  | 33 | 17 | 3  | 80 | 5      |
| DM S 10         | 1.3 | 18 | 35 | 20 | 3  | 81 | 5      |
| DM S 11         | 1.1 | 16 | 37 | 17 | 3  | 83 | 5      |
| DM S 12         | .8  | 12 | 30 | 9  | 3  | 66 | 10     |
| DM S 13         | .7  | 1  | 30 | 12 | 2  | 66 | 5      |
| DM S 14 40M     | .9  | 1  | 37 | 19 | 2  | 77 | 5      |
| DM S 15 40M     | .8  | 17 | 36 | 14 | 3  | 76 | 10     |
| DM S 16         | .6  | 4  | 36 | 12 | 1  | 67 | 1030   |
| DM S 17         | .7  | 15 | 34 | 13 | 2  | 66 | 5      |
| DM S 18 40M     | .7  | 14 | 28 | 13 | 2  | 61 | 10     |
| DM S 19 40M     | .7  | 7  | 34 | 16 | 2  | 69 | 5      |
| DM S 20         | 1.0 | 16 | 33 | 15 | 2  | 70 | 5      |
| DM S 21 40M     | 1.0 | 15 | 28 | 18 | 4  | 61 | 5      |
| DM S 22 20M     | .6  | 10 | 30 | 13 | 2  | 69 | 10     |
| DM S 23 40M     | .3  | 13 | 29 | 11 | 1  | 60 | 10     |
| DM S 24         | .9  | 15 | 39 | 15 | 2  | 71 | 5      |
| DM S 25 40M     | .5  | 11 | 29 | 13 | 2  | 66 | 5      |

**MIN-EN LABORATORIES LTD.**

*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7N 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX:VIA USA 7601067 UC

Analytical Report

Company: BEMA INDUSTRIES

Project: 87 24 C, I,

Attention: B.KAHLERT

File: 7-1831

Date: NOV 18/87

Type: SOIL GEOCHEM

Date Samples Received : NOV 8/87

Samples Submitted by :

Report on ..... 945 SOILS ..... Geochem Samples  
..... Assay Samples  
.....

Copies sent to:

1. BEMA INDUSTRIES. VANCOUVER. B.C.
- 2.
- 3.

Samples: Sieved to mesh ..... -80..... Ground to mesh .....

Prepared samples stored: ..... X .... discarded: .....  
rejects stored: ..... discarded: ..... X .....

Methods of analyses:

- ~ ELEMENT TRACE ICP.
- AU-NET. A.A.

Rec Nov 19/87

Remarks

COMP-HR: SEMA INDUSTRIES  
PROJECT NO: 37-24-C

MIN-EN LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604) 980-5814 OR (604) 988-4524

(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1831/PL12

ATTENTION: B. KAHLELT

\* TYPE SOIL GEOCHEM \* DATE: NOV 17, 1987

Rec Nov 19/87

| (VALUES IN PPM) | AG  | HS | CU | PB | SB | ZN  | AU-PPB |
|-----------------|-----|----|----|----|----|-----|--------|
| 800N 2100E      | .3  | 1  | 18 | 13 | 1  | 71  | 10     |
| 800N 2100E      | .3  | 1  | 24 | 19 | 2  | 62  | 15     |
| 800N 2100E      | .4  | 1  | 21 | 13 | 2  | 77  | 20     |
| 800N 2100E      | .7  | 7  | 81 | 11 | 2  | 114 | 20     |
| 800N 2100E      | .3  | 7  | 24 | 14 | 3  | 73  | 25     |
| 800N 2100E      | 1.9 | 20 | 94 | 39 | 3  | 142 | 20     |
| 800N 2100E      | .4  | 0  | 27 | 15 | 3  | 73  | 5      |
| 800N 2125E 40W  | .3  | 2  | 1  | 3  | 1  | 2   | 5      |
| 800N 2125E      | .2  | 2  | 20 | 15 | 2  | 76  | 5      |
| 800N 2125E      | .2  | 9  | 19 | 16 | 3  | 51  | 5      |
| 800N 2300E      | .2  | 2  | 18 | 11 | 4  | 52  | 10     |
| 800N 2325E      | .3  | 5  | 17 | 7  | 3  | 36  | 5      |
| 800N 2350E      | .4  | 5  | 14 | 8  | 2  | 88  | 5      |
| 800N 2375E      | .2  | 2  | 15 | 13 | 3  | 70  | 5      |
| 800N 2400E      | .4  | 5  | 20 | 13 | 3  | 72  | 5      |
| 800N 2425E 40W  | 1.0 | 3  | 74 | 15 | 2  | 111 | 5      |
| 800N 2425E      | 1.0 | 19 | 15 | 10 | 5  | 61  | 5      |
| 800N 2475E      | .4  | 4  | 32 | 13 | 4  | 84  | 5      |
| 800N 2500E      | .3  | 1  | 19 | 10 | 3  | 68  | 15     |
| 800N 2525E      | .4  | 2  | 14 | 12 | 3  | 56  | 5      |
| 800N 2550E      | 1.0 | 23 | 1  | 6  | 4  | 14  | 5      |
| 800N 2575E      | .5  | 8  | 14 | 11 | 4  | 55  | 5      |
| 800N 2600E      | .5  | 2  | 19 | 12 | 3  | 59  | 10     |
| 800N 2625E      | .5  | 7  | 20 | 10 | 3  | 50  | 5      |
| 800N 2650E      | .4  | 2  | 14 | 9  | 3  | 75  | 5      |
| 800N 2675E      | .5  | 2  | 15 | 11 | 3  | 52  | 5      |
| 800N 2700E      | .5  | 12 | 13 | 12 | 4  | 52  | 15     |
| 800N 2725E      | .5  | 10 | 35 | 13 | 3  | 101 | 5      |
| 800N 2750E      | .5  | 22 | 2  | 0  | 4  | 18  | 5      |
| 800N 2775E      | .5  | 3  | 14 | 10 | 3  | 106 | 5      |
| 850N 2200E      | .2  | 1  | 29 | 15 | 1  | 86  | 5      |
| 850N 2225E      | .5  | 4  | 21 | 14 | 2  | 87  | 5      |
| 850N 2250E      | .1  | 1  | 17 | 11 | 3  | 79  | 5      |
| 850N 2275E      | .4  | 7  | 17 | 16 | 2  | 97  | 5      |
| 850N 2300E      | .5  | 1  | 14 | 7  | 1  | 96  | 10     |
| 850N 2325E      | .5  | 1  | 15 | 12 | 2  | 75  | 5      |
| 850N 2350E      | .5  | 5  | 22 | 16 | 3  | 85  | 5      |
| 850N 2375E      | .5  | 4  | 22 | 13 | 2  | 80  | 5      |
| 850N 2400-E 40W | .5  | 3  | 47 | 22 | 2  | 114 | 10     |
| 850N 2425E      | .6  | 2  | 34 | 14 | 3  | 156 | 5      |
| 850N 2450E      | 1.0 | 1  | 39 | 14 | 3  | 195 | 5      |
| 850N 2475E      | .7  | 1  | 13 | 12 | 2  | 85  | 5      |
| 850N 2500E      | .5  | 1  | 15 | 6  | 3  | 102 | 10     |
| 850N 2525E      | .7  | 5  | 15 | 0  | 2  | 79  | 10     |
| 850N 2550E      | .6  | 4  | 22 | 12 | 3  | 68  | 5      |
| 850N 2575E      | .3  | 1  | 25 | 13 | 2  | 47  | 5      |
| 850N 2600E      | .5  | 6  | 17 | 7  | 2  | 63  | 10     |
| 850N 2625E      | .5  | 3  | 25 | 14 | 2  | 96  | 5      |
| 850N 2650E      | .5  | 5  | 16 | 8  | 2  | 86  | 5      |
| 850N 2675E      | .5  | 5  | 15 | 8  | 3  | 52  | 5      |
| 850N 2700E      | .5  | 2  | 17 | 11 | 5  | 57  | 5      |
| 850N 2725E      | .5  | 10 | 23 | 15 | 4  | 78  | 10     |
| 850N 2750E      | .5  | 0  | 15 | 18 | 3  | 105 | 5      |
| 850N 2775E      | .5  | 2  | 14 | 11 | 4  | 99  | 5      |
| 850N 2800E      | .8  | 5  | 20 | 16 | 3  | 81  | 5      |
| 850N 2825E      | .7  | 14 | 19 | 12 | 5  | 114 | 5      |
| 850N 2850E      | 1.0 | 14 | 24 | 17 | 4  | 93  | 5      |
| 850N 2875E      | .3  | 5  | 21 | 11 | 5  | 87  | 10     |
| 850N 2900E      | 1.1 | 11 | 24 | 17 | 4  | 99  | 15     |
| 850N 2925E      | .3  | 11 | 21 | 18 | 4  | 96  | 5      |

COMPANY: SEMA INDUSTRIES  
PROJECT NO: 87 24 C

MIN-EM LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1831/P3+4

ATTENTION: B.KAHLELT

(604) 980-5814 OR (604) 988-4524 + TYPE SOIL GEOCHEM + DATE: NOV 17, 1987

| VALUES IN PPM   | Ag  | As | Cu  | Pb | SB | Zn  | AU-PPB |
|-----------------|-----|----|-----|----|----|-----|--------|
| 900H 242SE      | .5  | 6  | 17  | 12 | 2  | 85  | 5      |
| 900H 245OE      | .3  | 3  | 20  | 12 | 1  | 75  | 5      |
| 900H 247SE      | .5  | 1  | 17  | 7  | 3  | 78  | 5      |
| 900H 250OE      | 1.0 | 5  | 35  | 16 | 5  | 162 | 5      |
| 900H 252SE      | .9  | 9  | 40  | 17 | 4  | 166 | 10     |
| 900H 255OE      | .8  | 4  | 31  | 7  | 4  | 185 | 5      |
| 900H 257SE      | .6  | 1  | 39  | 15 | 4  | 93  | 5      |
| 900H 260OE      | .6  | 3  | 14  | 12 | 2  | 77  | 5      |
| 900H 262SE      | .3  | 3  | 17  | 7  | 2  | 84  | 5      |
| 900H 265OE      | .3  | 2  | 18  | 9  | 3  | 100 | 5      |
| 900H 267SE      | .1  | 1  | 19  | 12 | 3  | 113 | 5      |
| 900H 270OE      | .1  | 5  | 22  | 13 | 3  | 78  | 5      |
| 900H 314OE      | 1.2 | 11 | 103 | 13 | 5  | 113 | 10     |
| 900H 320OE      | .9  | 11 | 23  | 12 | 3  | 84  | 15     |
| 900H 330OE      | .9  | 3  | 79  | 12 | 3  | 47  | 10     |
| 950H 209OE      | 1.0 | 3  | 33  | 22 | 2  | 60  | 10     |
| 950H 222SE      | .5  | 13 | 1   | 4  | 1  | 3   | 5      |
| 950H 225OE      | 1.3 | 25 | 7   | 11 | 6  | 21  | 5      |
| 950H 227SE      | .2  | 4  | 14  | 12 | 3  | 76  | 5      |
| 950H 230OE      | .2  | 4  | 16  | 11 | 3  | 38  | 10     |
| 950H 232SE      | .1  | 5  | 24  | 16 | 4  | 78  | 5      |
| 950H 235OE      | .2  | 5  | 22  | 13 | 4  | 92  | 10     |
| 950H 277SE 40H  | 1.0 | 12 | 42  | 24 | 5  | 98  | 10     |
| 950H 240OE      | .2  | 5  | 27  | 11 | 4  | 112 | 5      |
| 950H 243SE      | .1  | 5  | 21  | 8  | 3  | 92  | 10     |
| 950H 245SE      | .3  | 12 | 33  | 14 | 4  | 65  | 10     |
| 950H 247SE      | .1  | 3  | 21  | 10 | 3  | 79  | 5      |
| 950H 251OE      | .2  | 12 | 59  | 16 | 5  | 138 | 10     |
| 950H 252SE      | 1.1 | 12 | 22  | 13 | 5  | 228 | 10     |
| 950H 253OE      | 1.1 | 15 | 53  | 17 | 5  | 136 | 5      |
| 950H 257SE      | .1  | 3  | 29  | 13 | 4  | 102 | 5      |
| 950H 290OE      | .4  | 1  | 2   | 4  | 2  | 47  | 5      |
| 950H 293SE      | .6  | 3  | 22  | 9  | 1  | 54  | 5      |
| 950H 295SE      | .1  | 6  | 15  | 5  | 1  | 127 | 10     |
| 950H 297SE      | .3  | 10 | 13  | 3  | 1  | 81  | 10     |
| 1000H 211OE     | .6  | 2  | 17  | 9  | 1  | 55  | 5      |
| 1000H 212SE     | .1  | 2  | 27  | 10 | 2  | 74  | 5      |
| 1000H 214OE     | 1.1 | 13 | 35  | 15 | 2  | 59  | 10     |
| 1000H 216OE     | .7  | 10 | 28  | 19 | 3  | 66  | 10     |
| 1000H 227SE     | 1.0 | 12 | 44  | 14 | 2  | 74  | 5      |
| 1000H 231OE     | .9  | 13 | 28  | 11 | 3  | 55  | 10     |
| 1000H 232SE     | .9  | 11 | 32  | 13 | 2  | 61  | 10     |
| 1000H 235OE     | .7  | 9  | 34  | 9  | 2  | 54  | 5      |
| 1000H 237SE     | .8  | 2  | 32  | 15 | 2  | 57  | 5      |
| 1000H 240OE     | .7  | 9  | 22  | 13 | 3  | 68  | 5      |
| 1000H 242SE     | .6  | 3  | 38  | 10 | 2  | 52  | 10     |
| 1000H 245OE     | .1  | 2  | 20  | 12 | 2  | 75  | 5      |
| 1000H 247SE     | .7  | 1  | 11  | 10 | 2  | 67  | 5      |
| 1000H 250OE     | .5  | 2  | 13  | 4  | 2  | 73  | 5      |
| 1000H 252SE     | 1.1 | 1  | 35  | 11 | 1  | 102 | 5      |
| 1000H 255OE     | .7  | 17 | 28  | 4  | 1  | 100 | 5      |
| 1000H 257SE     | 1.2 | 27 | 51  | 6  | 2  | 168 | 5      |
| 1000H 260OE     | 1.1 | 30 | 41  | 7  | 2  | 141 | 5      |
| 1000H 262SE     | 1.3 | 1  | 31  | 14 | 4  | 154 | 10     |
| 1000H 265OE     | .9  | 1  | 15  | 4  | 2  | 52  | 10     |
| 1000H 267SE     | .8  | 1  | 13  | 2  | 4  | 80  | 10     |
| 1000H 270OE     | 1.4 | 2  | 42  | 6  | 1  | 99  | 15     |
| 1000H 310OE 20M | 1.3 | 36 | 136 | 6  | 4  | 107 | 10     |
| 1000H 320OE     | .7  | 1  | 13  | 7  | 2  | 85  | 5      |
| 1000H 330OE     | .2  | 1  | 13  | 11 | 2  | 15  | 5      |

COMPANY: GEMA INDUSTRIES  
PROJECT NO: 97-24-C

MIN-EN LABS ICP REPORT  
105 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
• 604-980-5814 OR (604) 988-4524

(ACTIF31) PAGE 1 OF 1  
FILE NO: 7-1831/P5+6

ATTENTION: S. KAHLELT

+ TYPE SOIL GEOCHEM + DATE: NOV 17, 1987

| VALUES IN PPM   | Fe  | As | Cu | Pb | Cd | Zn  | AU-PPB |
|-----------------|-----|----|----|----|----|-----|--------|
| 1100N 3100E     | 1.0 | 17 | 41 | 22 | 4  | 96  | 5      |
| 1100N 3200E     | .6  | 1  | 16 | 14 | 1  | 45  | 10     |
| 1100N 3300E     | .7  | 1  | 19 | 15 | 1  | 57  | 5      |
| 1200N 3100E     | .7  | 11 | 32 | 12 | 3  | 99  | 20     |
| 1200N 3200E     | .6  | 1  | 22 | 14 | 1  | 54  | 15     |
| 1200N 3300E     | .7  | 4  | 20 | 14 | 2  | 54  | 10     |
| 1300N 2200E     | .9  | 1  | 41 | 17 | 2  | 74  | 5      |
| 1300N 2220E     | .3  | 1  | 12 | 16 | 3  | 66  | 5      |
| 1300N 2250E     | 1.1 | 5  | 49 | 15 | 2  | 60  | 10     |
| 1300N 2270E     | .3  | 3  | 32 | 16 | 2  | 58  | 15     |
| 1300N 2300E     | 1.2 | 24 | 29 | 24 | 1  | 99  | 10     |
| 1300N 2320E     | .8  | 4  | 22 | 11 | 2  | 52  | 15     |
| 1300N 2350E     | .7  | 1  | 25 | 15 | 2  | 45  | 5      |
| 1300N 2770E     | .5  | 1  | 19 | 6  | 3  | 19  | 5      |
| 1300N 2800E     | .6  | 9  | 21 | 12 | 2  | 44  | 10     |
| 1300N 2920E     | .5  | 1  | 24 | 17 | 1  | 48  | 5      |
| 1300N 2950E     | .8  | 3  | 22 | 18 | 2  | 99  | 10     |
| 1300N 2970E     | 1.2 | 15 | 54 | 19 | 1  | 103 | 5      |
| 1300N 2990E     | 1.5 | 28 | 23 | 21 | 2  | 41  | 10     |
| 1300N 3100E     | 1.0 | 15 | 25 | 11 | 2  | 29  | 5      |
| 1300N 3200E     | .7  | 19 | 29 | 3  | 2  | 134 | 5      |
| 1300N 3300E     | .3  | 14 | 57 | 11 | 1  | 118 | 5      |
| 1350N 2200E     | .7  | 1  | 15 | 11 | 2  | 83  | 5      |
| 1350N 2220E     | 1.2 | 1  | 45 | 16 | 3  | 73  | 10     |
| 1350N 2250E     | 1.4 | 11 | 4  | 6  | 4  | 13  | 5      |
| 1350N 2270E     | 1.4 | 1  | 15 | 15 | 3  | 59  | 10     |
| 1350N 2300E     | 1.1 | 4  | 21 | 15 | 3  | 70  | 10     |
| 1350N 2200E     | 1.1 | 1  | 17 | 15 | 2  | 67  | 5      |
| 1350N 2250E     | 1.7 | 22 | 1  | 11 | 2  | 12  | 5      |
| 1350N 2370E     | .5  | 1  | 19 | 17 | 2  | 79  | 5      |
| 1350N 3400E     | .7  | 1  | 18 | 15 | 1  | 41  | 5      |
| 1350N 2420E     | .7  | 4  | 19 | 16 | 1  | 42  | 5      |
| 1350N 2450E     | .5  | 1  | 23 | 19 | 1  | 54  | 10     |
| 1350N 2470E 200 | .5  | 3  | 40 | 19 | 3  | 98  | 5      |
| 1350N 2500E     | .5  | 1  | 15 | 12 | 2  | 43  | 5      |
| 1400N 2200E     | 1.6 | 2  | 44 | 18 | 1  | 73  | 20     |
| 1400N 2220E     | .7  | 1  | 46 | 12 | 2  | 73  | 5      |
| 1400N 2250E     | .2  | 1  | 42 | 16 | 2  | 71  | 10     |
| 1400N 2270E     | .2  | 5  | 46 | 18 | 3  | 70  | 10     |
| 1400N 2300E     | .8  | 2  | 19 | 11 | 2  | 60  | 5      |
| 1400N 2720E     | 1.0 | 14 | 40 | 15 | 2  | 55  | 10     |
| 1400N 2350E     | .3  | 2  | 20 | 13 | 2  | 55  | 10     |
| 1400N 2370E     | .7  | 1  | 25 | 14 | 1  | 61  | 5      |
| 1400N 2400E     | .4  | 2  | 18 | 13 | 2  | 50  | 5      |
| 1400N 2420E     | .4  | 5  | 27 | 13 | 2  | 42  | 10     |
| 1400N 2450E     | .4  | 3  | 29 | 15 | 2  | 48  | 5      |
| 1400N 2470E     | .7  | 1  | 17 | 10 | 2  | 44  | 5      |
| 1400N 2500E     | .7  | 1  | 29 | 12 | 2  | 49  | 10     |
| 1400N 3100E     | .9  | 2  | 17 | 7  | 1  | 174 | 15     |
| 1400N 3200E     | 1.0 | 1  | 22 | 11 | 2  | 39  | 10     |
| 1450N 2200E     | .7  | 1  | 18 | 8  | 2  | 31  | 10     |
| 1450N 2220E     | .5  | 1  | 21 | 13 | 1  | 73  | 5      |
| 1450N 2250E     | .9  | 3  | 38 | 14 | 2  | 57  | 5      |
| 1450N 2280E     | 1.0 | 6  | 23 | 15 | 1  | 56  | 5      |
| 1450N 2270E     | 1.0 | 5  | 22 | 17 | 2  | 58  | 10     |
| 1450N 2340E     | .3  | 1  | 24 | 15 | 3  | 48  | 10     |
| 1450N 2320E     | .3  | 2  | 25 | 15 | 3  | 57  | 5      |
| 1450N 2350E     | .7  | 1  | 24 | 11 | 2  | 61  | 10     |
| 1450N 2770E     | .3  | 1  | 12 | 2  | 1  | 53  | 5      |
| 1450N 2460E     | 1.4 | 28 | 7  | 8  | 4  | 17  | 5      |

COMPANY: SEMA INDUSTRIES  
PROJECT NO: 87-24-C

MIN-EN LABS ICP REPORT  
765 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604) 980-5814 DR (604) 988-4524

ACT:FJ1 PAGE 1 OF 1  
FILE NO: 7-1831/P7+8

ATTENTION: R.KAHLETT

| VALUES IN PPM | Ag  | As | Cu  | Pb | SB | Sn  | AU-FPB |
|---------------|-----|----|-----|----|----|-----|--------|
| 1450N 242SE   | .2  | 4  | 20  | 11 | 1  | 49  | 5      |
| 1450H 245SE   | .3  | 1  | 20  | 4  | 1  | 45  | 10     |
| 1450N 247SE   | .6  | 1  | 47  | 14 | 1  | 71  | 5      |
| 1450N 250SE   | .3  | 1  | 27  | 9  | 2  | 42  | 5      |
| 1500N 220SE   | .4  | 1  | 13  | 11 | 1  | 45  | 10     |
| 1500H 222SE   | .6  | 8  | 20  | 12 | 1  | 75  | 5      |
| 1500N 225SE   | .4  | 11 | 19  | 13 | 1  | 59  | 5      |
| 1500H 227SE   | .6  | 11 | 17  | 7  | 1  | 69  | 5      |
| 1500N 23-SE   | .5  | 9  | 20  | 14 | 1  | 46  | 10     |
| 1500N 232SE   | .3  | 5  | 23  | 11 | 2  | 47  | 5      |
| 1500N 235SE   | .7  | 6  | 29  | 15 | 2  | 53  | 5      |
| 1500H 237SE   | .7  | 12 | 19  | 14 | 1  | 49  | 5      |
| 1500H 240SE   | .7  | 1  | 23  | 13 | 2  | 55  | 5      |
| 1500H 242SE   | 1.1 | 8  | 26  | 12 | 5  | 52  | 5      |
| 1500N 245SE   | 1.0 | 1  | 16  | 14 | 3  | 75  | 5      |
| 1500H 247SE   | .6  | 5  | 24  | 16 | 2  | 55  | 5      |
| 1500N 250SE   | .8  | 1  | 26  | 13 | 1  | 74  | 10     |
| 1500N 310SE   | .6  | 1  | 25  | 11 | 2  | 87  | 5      |
| 1500N 320SE   | .6  | 1  | 29  | 12 | 3  | 55  | 5      |
| 1500N 330SE   | .9  | 1  | 15  | 3  | 3  | 99  | 10     |
| 1550N 220SE   | .5  | 3  | 15  | 12 | 1  | 45  | 5      |
| 1550N 222SE   | .6  | 3  | 19  | 11 | 2  | 65  | 10     |
| 1550H 225SE   | .7  | 14 | 23  | 9  | 2  | 149 | 5      |
| 1550N 227SE   | .6  | -  | 15  | 17 | 1  | 86  | 10     |
| 1550H 230SE   | .6  | -  | 25  | 3  | 2  | 57  | 5      |
| 1550N 232SE   | .7  | 1  | 16  | 9  | -  | 69  | 5      |
| 1550H 237SE   | .7  | -  | 13  | 13 | -  | 56  | 5      |
| 1550N 237SE   | .6  | -  | 21  | 12 | 3  | 39  | 5      |
| 1550N 240SE   | .6  | -  | 15  | 15 | -  | 102 | 10     |
| 1550N 242SE   | .8  | -  | 17  | 14 | 3  | 64  | 5      |
| 1550N 245SE   | .7  | 14 | 18  | 11 | 1  | 68  | 5      |
| 1550N 247SE   | .7  | 12 | 35  | 16 | 1  | 51  | 10     |
| 1550N 250SE   | .6  | 1  | 42  | 15 | 1  | 51  | 5      |
| 1550N 252SE   | .7  | 1  | 11  | 11 | 1  | 84  | 5      |
| 1550N 255SE   | 1.1 | 14 | 31  | 20 | 6  | 162 | 5      |
| 1560H 225SE   | .4  | 1  | 20  | 13 | 1  | 86  | 5      |
| 1560H 227SE   | .4  | 5  | 18  | 12 | 2  | 51  | 5      |
| 1560H 230SE   | .6  | 1  | 16  | 13 | 1  | 63  | 10     |
| 1560H 232SE   | .7  | 1  | 18  | 10 | 2  | 62  | 456    |
| 1560H 235SE   | .7  | 2  | 19  | 19 | 1  | 53  | 10     |
| 1560H 237SE   | .5  | 1  | 19  | 10 | 1  | 73  | 5      |
| 1570N 210SE   | 1.9 | 1  | 130 | 29 | 4  | 266 | 10     |
| 1570H 242SE   | .7  | 1  | 19  | 10 | 2  | 62  | 5      |
| 1570N 245SE   | .9  | 8  | 19  | 15 | 2  | 66  | 5      |
| 1570H 247SE   | 1.1 | 5  | 25  | 11 | 2  | 62  | 5      |
| 1580N 210SE   | .8  | 14 | 25  | 11 | 3  | 88  | 35     |
| 1580N 320SE   | .3  | 17 | 18  | 11 | 1  | 135 | 10     |
| 1590H 3300SE  | .2  | 9  | 19  | 7  | 2  | 132 | 5      |
| 1590N 310SE   | .4  | 21 | 23  | 9  | 1  | 114 | 5      |
| 1590N 320SE   | .3  | 15 | 9   | 19 | 1  | 166 | 10     |
| 1590H 330SE   | .8  | 1  | 17  | 3  | 3  | 168 | 5      |
| 1600N 280SE   | .7  | 1  | 19  | 9  | 2  | 74  | 10     |
| 1600H 282SE   | .5  | 5  | 22  | 11 | 1  | 78  | 5      |
| 1600N 285SE   | .7  | 4  | 28  | 17 | 2  | 66  | 15     |
| 1600N 287SE   | .7  | 1  | 18  | 6  | 2  | 108 | 5      |
| 1600H 290SE   | .2  | 1  | 19  | 10 | 2  | 61  | 10     |
| 1600H 292SE   | .3  | 4  | 11  | 11 | 1  | 115 | 10     |
| 1600N 295SE   | .7  | 1  | 11  | 9  | 2  | 78  | 5      |
| 1600N 297SE   | 1.1 | 1  | 25  | 16 | 3  | 142 | 10     |
| 1600N 300SE   | .6  | 10 | 14  | 11 | 2  | 127 | 5      |

COMPANY: BEMA INDUSTRIES  
PROJECT NO: 87 24 C

MIN-EN LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7X 1T2  
(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1  
FILE NO: 7-1831/P9+10  
ATTENTION: R.KAHLELT  
\* TYPE SOIL GEOCHEM \* DATE: NOV 17, 1987

| VALUES IN PPM   | AG  | AS | CU | PB | SB | ZN  | AU-PPB |
|-----------------|-----|----|----|----|----|-----|--------|
| 1800N 3025E     | .4  | 14 | 22 | 9  | 4  | 96  | 5      |
| 1800N 3050E     | .5  | 8  | 17 | 8  | 1  | 97  | 5      |
| 1800N 3075E     | .6  | 12 | 14 | 12 | 2  | 125 | 5      |
| 1800N 3100E     | 1.0 | 16 | 24 | 11 | 2  | 151 | 10     |
| 1800N 3125E     | .9  | 12 | 20 | 10 | 2  | 144 | 5      |
| 1800N 3150E     | .8  | 19 | 19 | 6  | 3  | 148 | 5      |
| 1800N 3175E     | .9  | 18 | 19 | 6  | 2  | 157 | 10     |
| 1800N 3200E     | .9  | 18 | 21 | 7  | 2  | 138 | 5      |
| 1800N 3225E     | .7  | 11 | 27 | 8  | 2  | 129 | 5      |
| 1800N 3250E     | .7  | 1  | 18 | 10 | 1  | 125 | 10     |
| 1800N 3275E     | .8  | 16 | 16 | 6  | 2  | 77  | 10     |
| 1800N 3300E     | .8  | 12 | 16 | 5  | 1  | 154 | 5      |
| 1850N 2800E     | .3  | 2  | 24 | 2  | 2  | 78  | 15     |
| 1850N 2825E     | .9  | 2  | 20 | 7  | 3  | 90  | 10     |
| 1850N 2850E     | 1.0 | 1  | 21 | 19 | 2  | 58  | 15     |
| 1850N 2875E     | .7  | 13 | 16 | 7  | 4  | 105 | 10     |
| 1850N 2900E     | 1.0 | 1  | 17 | 16 | 2  | 140 | 5      |
| 1850N 2925E     | 1.1 | 1  | 28 | 16 | 3  | 103 | 5      |
| 1850N 2950E     | .3  | 13 | 21 | 12 | 2  | 119 | 5      |
| 1850N 2975E     | .9  | 17 | 19 | -  | 2  | 134 | 5      |
| 1854N 3000E     | .7  | 4  | 15 | 11 | 2  | 102 | 10     |
| 1854N 3025E     | 1.1 | 1  | 12 | 11 | 2  | 121 | 5      |
| 1850N 3050E     | 1.0 | 3  | 15 | 9  | 2  | 139 | 10     |
| 1850N 3075E     | .8  | 1  | 21 | 11 | 3  | 87  | 10     |
| 1850N 3100E     | .5  | 1  | 27 | 14 | 2  | 141 | 5      |
| 1854N 3125E     | 1.1 | 1  | 24 | 6  | 2  | 115 | 10     |
| 1850N 3150E     | .3  | 3  | 22 | 8  | 2  | 100 | 5      |
| 1850N 3175E     | 1.1 | 1  | 24 | 10 | 3  | 132 | 5      |
| 1850N 3200E     | .4  | 1  | 15 | 13 | 2  | 84  | 5      |
| 1850N 3225E     | .2  | 15 | 15 | 0  | 1  | 133 | 5      |
| 1850N 3250E     | .8  | 14 | 31 | 16 | 2  | 65  | 1950   |
| 1850N 3275E     | .7  | 13 | 24 | 15 | 1  | 85  | 5      |
| 1850N 3300E     | .7  | 15 | 35 | 12 | 3  | 79  | 5      |
| 1900N 2800E     | .8  | 16 | 23 | 6  | 2  | 101 | 10     |
| 1900N 2825E     | .7  | 1  | 28 | 11 | 3  | 91  | 10     |
| 1900N 2850E     | .5  | 4  | 25 | 11 | 2  | 66  | 5      |
| 1900N 2875E     | 1.0 | 1  | 17 | 16 | 1  | 165 | 5      |
| 1900N 2900E     | .3  | 17 | 26 | 9  | 2  | 104 | 5      |
| 1900N 2925E     | .9  | 2  | 22 | 9  | 2  | 81  | 5      |
| 1900N 2950E     | .9  | 1  | 32 | 13 | 2  | 68  | 5      |
| 1900N 2975E     | .8  | 1  | 21 | 13 | 3  | 50  | 10     |
| 1900N 3000E     | 1.2 | 1  | 22 | 11 | 3  | 104 | 5      |
| 1900N 3025E     | 1.3 | 1  | 39 | 19 | 2  | 71  | 5      |
| 1900N 3050E     | 1.3 | 1  | 26 | 10 | 3  | 99  | 10     |
| 1900N 3075E     | .9  | 1  | 26 | 13 | 3  | 62  | 25     |
| 1900N 3100E     | 1.4 | 3  | 53 | 19 | 3  | 74  | 5      |
| 1900N 3125E     | .7  | 1  | 21 | 8  | 1  | 98  | 10     |
| 1900N 3150E     | 1.0 | 1  | 22 | 10 | 1  | 104 | 10     |
| 1900N 3175E     | .2  | 5  | 25 | 11 | 2  | 103 | 5      |
| 1900N 3200E 40N | .7  | 1  | 33 | 15 | 2  | 50  | 10     |
| 1900N 3225E     | 1.1 | 2  | 45 | 19 | 3  | 80  | 5      |
| 1900N 3250E     | 1.1 | 26 | 74 | 10 | 2  | 111 | 5      |
| 1900N 3275E     | .8  | 1  | 19 | 11 | 2  | 75  | 10     |
| 1900N 3300E     | .6  | 1  | 14 | 5  | 3  | 77  | 5      |
| 1950N 2800E     | 1.1 | 1  | 23 | 12 | 3  | 65  | 5      |
| 1950N 2825E     | .7  | 5  | 26 | 12 | 3  | 48  | 5      |
| 1950N 2850E     | .7  | 3  | 29 | 11 | 2  | 54  | 5      |
| 1950N 2875E     | .6  | 5  | 16 | 9  | 1  | 42  | 10     |
| 1950N 2900E     | .9  | 1  | 25 | 11 | 2  | 67  | 5      |
| 1950N 2925E     | .7  | 1  | 11 | 15 | 2  | 72  | 10     |

COMPANY: BEHA INDUSTRIES  
PROJECT NO: 87 24 C  
ATTENTION: B.KAHLERT

MIN-EM LABS ICP REPORT  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604) 980-5814 OR (604) 988-4524

(ACT:FJ1) PAGE 1 OF 1  
FILE NO: 7-1831/P11+12  
\* TYPE SOIL GEDCHEM \* DATE: NOV 17, 1987

| VALUES IN PPM | AS  | RS | CU | PB | SB | ZN  | AU-PPB |
|---------------|-----|----|----|----|----|-----|--------|
| 1950N 2950E   | .4  | 7  | 14 | 11 | 1  | 72  | 5      |
| 1950N 2975E   | .3  | 4  | 9  | 4  | 1  | 88  | 5      |
| 1950N 3000E   | .3  | 11 | 16 | 7  | 1  | 98  | 5      |
| 1950N 3025E   | .7  | 1  | 14 | 15 | 2  | 115 | 40     |
| 1950N 3050E   | .6  | 10 | 13 | 8  | 2  | 149 | 10     |
| 1950N 3075E   | .4  | 8  | 14 | 8  | 2  | 47  | 5      |
| 1950N 3100E   | 1.0 | 18 | 73 | 5  | 1  | 87  | 5      |
| 1950N 3125E   | .8  | 14 | 33 | 14 | 2  | 73  | 5      |
| 1950N 3150E   | .7  | 2  | 29 | 17 | 2  | 60  | 5      |
| 1950N 3175E   | 1.1 | 2  | 38 | 16 | 3  | 68  | 5      |
| 1950N 3200E   | .5  | 17 | 52 | 11 | 1  | 97  | 5      |
| 1950N 3225E   | .5  | 8  | 17 | 12 | 1  | 56  | 15     |
| 1950N 3250E   | .8  | 9  | 13 | 8  | 2  | 92  | 10     |
| 1950N 3275E   | .7  | 1  | 21 | 19 | 3  | 81  | 15     |
| 1950N 3300E   | .7  | 4  | 9  | 11 | 1  | 116 | 5      |
| 2000N 2800E   | .8  | 11 | 17 | 15 | 3  | 124 | 5      |
| 2000N 2825E   | .5  | 2  | 13 | 12 | 2  | 83  | 5      |
| 2000N 2850E   | .8  | 2  | 31 | 14 | 3  | 67  | 10     |
| 2000N 2875E   | .7  | 1  | 13 | 9  | 2  | 71  | 15     |
| 2000N 2900E   | .9  | 5  | 17 | 14 | 3  | 92  | 10     |
| 2000N 2925E   | .6  | 3  | 24 | 13 | 4  | 60  | 5      |
| 2000N 2950E   | .6  | 7  | 10 | 9  | 3  | 71  | 5      |
| 2000N 2975E   | .6  | 5  | 25 | 14 | 2  | 48  | 10     |
| 2000N 3000E   | .6  | 3  | 14 | 6  | 3  | 58  | 5      |
| 2000N 3025E   | .8  | 8  | 17 | 11 | 4  | 64  | 10     |
| 2000N 3050E   | .7  | 1  | 14 | 13 | 2  | 82  | 5      |
| 2000N 3075E   | 1.1 | 8  | 13 | 10 | 3  | 108 | 5      |
| 2000N 3100E   | .4  | 7  | 11 | 5  | 2  | 112 | 5      |
| 2000N 3125E   | .9  | 5  | 23 | 13 | 4  | 74  | 5      |
| 2000N 3150E   | .9  | 9  | 27 | 14 | 5  | 52  | 10     |
| 2000N 3175E   | .7  | 1  | 19 | 13 | 2  | 63  | 5      |
| 2000N 3200E   | .5  | 11 | 14 | 12 | 1  | 70  | 5      |
| 2000N 3225E   | .8  | 1  | 18 | 9  | 3  | 108 | 10     |
| 2000N 3250E   | .9  | 10 | 15 | 7  | 2  | 150 | 5      |
| 2000N 3275E   | 1.0 | 2  | 18 | 13 | 3  | 86  | 5      |
| 2000N 3300E   | .8  | 1  | 17 | 10 | 3  | 95  | 10     |
| 2100N 2650E   | .6  | 1  | 14 | 8  | 2  | 188 | 5      |
| 2100N 2750E   | .6  | 1  | 34 | 16 | 3  | 58  | 5      |
| 2100N 2850E   | .8  | 1  | 12 | 9  | 3  | 81  | 5      |
| 2100N 2950E   | .3  | 10 | 12 | 4  | 3  | 70  | 20     |
| 2100N 3100E   | .6  | 1  | 16 | 9  | 3  | 68  | 5      |
| 2100N 3200E   | .8  | 1  | 23 | 12 | 2  | 80  | 5      |
| 2100N 3300E   | 1.0 | 5  | 15 | 10 | 3  | 67  | 10     |
| 2200N 3100E   | .8  | 4  | 17 | 12 | 2  | 58  | 5      |
| 2200N 3200E   | .9  | 9  | 15 | 10 | 4  | 53  | 5      |
| 2200N 3300E   | .8  | 4  | 17 | 15 | 2  | 74  | 5      |
| 2300N 3100E   | .8  | 4  | 15 | 12 | 3  | 61  | 5      |
| 2300N 3200E   | .8  | 1  | 15 | 6  | 3  | 53  | 5      |
| 2300N 3300E   | .6  | 6  | 14 | 12 | 3  | 69  | 5      |
| 2400N 3100E   | .5  | 2  | 11 | 9  | 3  | 46  | 5      |
| 2400N 3200E   | .9  | 2  | 42 | 10 | 3  | 76  | 5      |
| 2400N 3300E   | .9  | 1  | 25 | 16 | 3  | 148 | 10     |
| 2500N 3100E   | .9  | 4  | 16 | 11 | 3  | 66  | 5      |
| 2500N 3200E   | .9  | 16 | 19 | 6  | 2  | 159 | 5      |
| 2500N 3300E   | .6  | 9  | 12 | 13 | 1  | 14  | 5      |

PROJECT NO: 87 24 B  
ATTENTION: B.KAHLELT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7H 1T2

(604) 980-5814 DR (604) 988-4526

FILE NO: 7-18708/P13

+ TYPE SOIL GEOCHEM + DATE: NOV 20, 1987

| (VALUES IN PPM) | AG  | AS | CU | PB | SB | ZN | AU-PPB |                        |
|-----------------|-----|----|----|----|----|----|--------|------------------------|
| 2700W 1800E     | .8  | 8  | 18 | 5  | 2  | 42 | 5      | "BC" DETAIL SOILS      |
| 2700W 1850E     | 1.1 | 22 | 48 | 9  | 2  | 55 | 5      |                        |
| 2700W 1900E     | 1.0 | 18 | 32 | 6  | 3  | 50 | 5      |                        |
| 2700W 1950E     | 1.5 | 26 | 47 | 4  | 3  | 57 | 10     |                        |
| 2700W 2000E     | 1.3 | 23 | 33 | 7  | 3  | 60 | 5      |                        |
| 2700W 2050E     | 1.4 | 30 | 47 | 10 | 4  | 56 | 5      |                        |
| 2700W 2100E     | 1.1 | 10 | 15 | 5  | 2  | 74 | 5      |                        |
| 2700W 2150E     | 1.3 | 18 | 20 | 6  | 4  | 49 | 5      |                        |
| DM S 199 40M    | 1.5 | 35 | 41 | 10 | 4  | 72 | 5      | STREAM GEOCHEM ON      |
| DM S 200 40M    | 1.2 | 22 | 34 | 11 | 4  | 58 | 5      | PROPERTY C : N. CIRCLE |
| DM S 201 40M    | 1.0 | 21 | 33 | 10 | 4  | 61 | 5      |                        |
| DM S 202 40M    | 1.0 | 19 | 30 | 7  | 3  | 53 | 10     |                        |
| DM S 203 40M    | 1.5 | 27 | 34 | 12 | 6  | 62 | 5      |                        |
| DM S 204 40M    | 1.1 | 20 | 29 | 6  | 4  | 52 | 5      |                        |
| DM S 205 40M    | 1.5 | 28 | 40 | 6  | 5  | 62 | 5      |                        |
| DM S 206 40M    | 1.3 | 33 | 42 | 13 | 4  | 76 | 5      |                        |
| DM S 207 40M    | 1.1 | 21 | 43 | 10 | 3  | 66 | 5      |                        |
| DM S 208 40M    | 1.2 | 21 | 35 | 10 | 5  | 59 | 5      |                        |
| DM S 209 40M    | 1.4 | 25 | 46 | 9  | 4  | 70 | 5      |                        |
| DM S 210 40M    | 1.3 | 25 | 43 | 8  | 4  | 71 | 5      |                        |
| DM S 211 40M    | 1.5 | 24 | 45 | 6  | 4  | 68 | 10     |                        |
| DM S 212 40M    | 1.4 | 28 | 41 | 12 | 5  | 67 | 10     |                        |
| DM S 213 40M    | 1.4 | 28 | 53 | 8  | 5  | 74 | 10     |                        |

## MIN-EN Laboratories Ltd.

*Specialists In Mineral Environments*

Corner 15th Street and Bewicke  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

### GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO<sub>3</sub> and HClO<sub>4</sub> mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

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705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

September 7, 1984.

## ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - FOR WHOLE ROCK ANALYSIS

Samples are processed by Min-En Laboratories Ltd, at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO<sub>3</sub> and HCLO<sub>4</sub> HF mixture.

For those elements which do not yield complete dissolution, a Lithium tetraborate dissolution or potassium hydroxide dissolution is applied.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrell Ash 9000 ICP. Inductively coupled Plasma Analyser. Reports are formated by routing computer dotline print out.

## APPENDIX II

### NORTH CIRCLE PROPERTY      ROCK DESCRIPTIONS

Sample    Type    Location

(float)  
(suhocp.)  
(outcrop)

|         |   |   | Description                                      |
|---------|---|---|--|
| 0001    | f | 657 m up N Circle Ck from main rd.          | Qtz Pebble congl, trace py                       |
| 39 001  | f | 1171 m. up N. Circle Ck. from main rd.      | Qtz. congl., trace py.                           |
| 39 002  | f | 2155 m. up N. Circle Ck. from main rd.      | Red-hn. chert, qtz. fractures                    |
| 39 003  | f | 2375 m. ....                                | 6" qtz-carb-cpy vn.; argillite                   |
| 39 004  | f | 2484 m. ....                                | Tuff, dissem. py, sil. flooding, ep. fractures   |
| 39 005  | o | 2660 m. ....                                | " Py-carb. vn. (107/50S) in shale                |
| 39 006  | o | 2815 m. ....                                | 1" qtz-carb-py vns., tr. mal. (192/56W) in shale |
| 39 007  | o | 2825 m. ....                                | 4" qtz-carb-trace py vns. in argillite           |
| BF94-01 | f | Road cut NW of North Circle property        | Pale gn tuff? cut by 1-2 cmuggy Qtz-cpy vns      |
| BF94-02 | f | Road cut NW of North Circle Property        | Strong graphite?-mariposite-carbonate alteration |
| C39 036 | f | 122m. From rd. up anomalous ck. SW Circle 2 | Tuff, dissem. py, po                             |
| C39 042 | f | 172 m from road on NW ck on Circle 2        | Fine tuff, atr py, trace cpy                     |
| C39 043 | o | 196 m. ....                                 | Tuff, str py (51)                                |
| C39 044 | o | 800 m. W of W boundary of Circle 2          | Congl, trace py                                  |
| C39 045 | o | 200m S of # C39 044                         | Chl, ep tuff                                     |
| C39 046 | o | 200m S of # C39 044                         | Ankerite, mariposite, trace py                   |
| C39 096 | f | 900 m down South Circle Ck from 600N-2800E  | Layered tuff, dissem py, po                      |
| C39 209 | o | 700 m S along rd from Post 6S3W - Circle 2  | Layered tuff, dissem py, po                      |
| C39 210 | o | Same as C39209                              | Qtz veins, malachite stained, cpy, cc            |
| C39 211 | o | 3000 m due West from 6S3W - Circle 2        | Qtz veins, malachite stained, cpy, cc            |
| C39 212 | o | Same as C39211                              | Qtz veins, malachite stained, cpy, cc            |
| C39 213 | o | Same as C39213                              | Qtz veins, malachite stained, cpy, cc            |

### APPENDIX III

| NORTH CIRCLE PROPERTY               |     |     |    |     |     |      |     |      |    | ROCK GEOCHEM |      |       |    |    |  |  |  |  |  |
|-------------------------------------|-----|-----|----|-----|-----|------|-----|------|----|--------------|------|-------|----|----|--|--|--|--|--|
| (Values in ppm except for Au (ppb)) |     |     |    |     |     |      |     |      |    |              |      |       |    |    |  |  |  |  |  |
| Sample                              | Ag  | As  | B  | Ba  | Cu  | K    | Na  | Ni   | Pb | Sh           | V    | Zn    | Au |    |  |  |  |  |  |
| 00001                               | 0.1 | 1   | 1  | 20  | 8   | 280  | 110 | 5    | 10 | 1            | 4.9  | 25    | 3  |    |  |  |  |  |  |
| 39 001                              | 0.2 | 2   | 1  | 13  | 7   | 160  | 150 | 5    | 13 | 1            | 5.3  | 30    | 22 |    |  |  |  |  |  |
| 39 002                              | 0.2 | 285 | 1  | 66  | 13  | 60   | 10  | 1470 | 15 | 79           | 31.7 | 41    | 22 |    |  |  |  |  |  |
| 39 003                              | 0.2 | 285 | 1  | 51  | 18  | 1030 | 20  | 17   | 17 | 1            | 10.7 | 103   | 23 |    |  |  |  |  |  |
| 39 004                              | 0.5 | 7   | 1  | 19  | 55  | 67   | 120 | 390  | 31 | 18           | 3    | 112.0 | 70 | 10 |  |  |  |  |  |
| 39 005                              | 2.6 | 11  | 1  | 23  | 9   | 150  | 10  | 1    | 30 | 1            | 7.9  | 26    | 19 |    |  |  |  |  |  |
| 39 006                              | 1.9 | 12  | 1  | 31  | 14  | 350  | 40  | 8    | 30 | 1            | 9.0  | 76    | 29 |    |  |  |  |  |  |
| 39 006                              | 0.8 | 1   | 1  | 35  | 23  | 460  | 10  | 11   | 28 | 1            | 13.2 | 212   | 25 |    |  |  |  |  |  |
| 39 007                              | 1.1 | 10  | 1  | 35  | 23  | 730  | 240 | 2    | 18 | 2            | 42.2 | 89    | 4  |    |  |  |  |  |  |
| BF94-01                             | 1.5 | 8   | 6  | 81  | 138 | 730  | 240 | 2    | 18 | 2            | 42.2 | 89    | 4  |    |  |  |  |  |  |
| BF94-02                             | 0.3 | 467 | 1  | 45  | 15  | 290  | 20  | 948  | 46 | 5976         | 4.3  | 43    | 21 |    |  |  |  |  |  |
| C39 036                             | 1.0 | 4   | 46 | 242 | 95  | 3170 | 410 | 1    | 14 | 1            | 62.9 | 51    | 8  |    |  |  |  |  |  |
| C39 042                             | 0.6 | 5   | 15 | 27  | 55  | 320  | 450 | 1    | 17 | 4            | 42.8 | 51    | 7  |    |  |  |  |  |  |
| C39 043                             | 0.3 | 11  | 15 | 35  | 66  | 640  | 290 | 2    | 19 | 3            | 37.4 | 51    | 5  |    |  |  |  |  |  |
| C39 044                             | 0.6 | 1   | 30 | 137 | 48  | 2650 | 330 | 3    | 18 | 2            | 35.1 | 35    | 3  |    |  |  |  |  |  |
| C39 045                             | 1.4 | 11  | 26 | 30  | 40  | 450  | 300 | 1    | 19 | 2            | 65.5 | 67    | 8  |    |  |  |  |  |  |
| C39 046                             | 0.9 | 10  | 18 | 99  | 80  | 1690 | 280 | 1    | 18 | 3            | 28.3 | 50    | 16 |    |  |  |  |  |  |

**APPENDIX IV**  
**STATISTICS FOR QUESNEL PROJECT SOILS**

### Basic Statistics for Quesnel Project Soil Results

| Element | # assays | max  | min | mean | s.d. |
|---------|----------|------|-----|------|------|
| Ag      | 4234     | 4.5  | 0.1 | 0.8  | 0.3  |
| As      | 4234     | 441  | 1.0 | 8.9  | 10.4 |
| Cu      | 4234     | 413  | 1.0 | 27.5 | 27.5 |
| Pb      | 4234     | 53   | 2.0 | 12.3 | 4.1  |
| Sh      | 4234     | 32   | 1.0 | 2.4  | 1.5  |
| Zn      | 4234     | 813  | 2.0 | 87.0 | 43.8 |
| Au      | 4234     | 2800 | 1.0 | 11.7 | 86.7 |

### Threshold Values for Quesnel Project Soil Results

| Element | Threshold Values |       |       |
|---------|------------------|-------|-------|
|         | 90%              | 95%   | 99%   |
| Ag      | 1.1              | 1.3   | 1.8   |
| As      | 16.0             | 21.0  | 33.0  |
| Cu      | 44.0             | 64.0  | 160.0 |
| Pb      | 16.0             | 18.0  | 23.0  |
| Sh      | 3.0              | 4.0   | 6.0   |
| Zn      | 130.0            | 160.0 | 230.0 |
| Au      | 5.0              | 10.0  | 45.0  |

Silver Distribution for Soil Geochem (from 4234 analyses)

| From | To   | Freq. | Cum. | Cum. % |
|------|------|-------|------|--------|
| 0.0  | 0.1  | 12    | 12   | 0.3    |
| 0.1  | 0.2  | 29    | 41   | 1.0    |
| 0.2  | 0.3  | 136   | 177  | 4.2    |
| 0.3  | 0.4  | 220   | 397  | 9.4    |
| 0.4  | 0.5  | 374   | 771  | 18.2   |
| 0.5  | 0.6  | 556   | 1327 | 31.3   |
| 0.6  | 0.7  | 652   | 1979 | 46.7   |
| 0.7  | 0.8  | 629   | 2608 | 61.6   |
| 0.8  | 0.9  | 485   | 3093 | 73.1   |
| 0.9  | 1.0  | 358   | 3451 | 81.5   |
| 1.0  | 1.1  | 278   | 3729 | 88.1   |
| 1.1  | 1.2  | 166   | 3895 | 92.0   |
| 1.2  | 1.3  | 104   | 3999 | 94.4   |
| 1.3  | 1.4  | 62    | 4061 | 95.9   |
| 1.4  | 1.5  | 57    | 4118 | 97.3   |
| 1.5  | 1.6  | 30    | 4148 | 98.0   |
| 1.6  | 1.7  | 20    | 4168 | 98.4   |
| 1.7  | 1.8  | 8     | 4176 | 98.6   |
| 1.8  | 1.9  | 13    | 4189 | 98.9   |
| 1.9  | 2.0  | 8     | 4197 | 99.1   |
| 2.0  | 2.1  | 7     | 4204 | 99.3   |
| 2.1  | 2.2  | 6     | 4210 | 99.4   |
| 2.2  | 2.3  | 6     | 4216 | 99.6   |
| 2.3  | 2.4  | 4     | 4220 | 99.7   |
| 2.4  | 2.5  | 2     | 4222 | 99.7   |
| 2.5  | >2.5 | 12    | 4234 | 100.0  |

Arsenic Distribution for Soil Geochem (from 4234 analyses)

| From | To  | Freq. | Cum. | Cum. % |
|------|-----|-------|------|--------|
| 0    | 1   | 686   | 686  | 16.2   |
| 1    | 2   | 218   | 904  | 21.4   |
| 2    | 3   | 231   | 1135 | 26.8   |
| 3    | 4   | 236   | 1371 | 32.4   |
| 4    | 5   | 263   | 1634 | 38.6   |
| 5    | 6   | 233   | 1867 | 44.1   |
| 6    | 7   | 236   | 2103 | 49.7   |
| 7    | 8   | 260   | 2363 | 55.8   |
| 8    | 9   | 239   | 2602 | 61.5   |
| 9    | 10  | 214   | 2816 | 66.5   |
| 10   | 11  | 197   | 3013 | 71.2   |
| 11   | 12  | 177   | 3190 | 75.3   |
| 12   | 13  | 176   | 3366 | 79.5   |
| 13   | 14  | 146   | 3512 | 82.9   |
| 14   | 15  | 116   | 3628 | 85.7   |
| 15   | 16  | 116   | 3744 | 88.4   |
| 16   | 17  | 77    | 3821 | 90.2   |
| 17   | 18  | 64    | 3885 | 91.8   |
| 18   | 19  | 58    | 3943 | 93.1   |
| 19   | 20  | 38    | 3981 | 94.0   |
| 20   | 21  | 38    | 4019 | 94.9   |
| 21   | 22  | 29    | 4048 | 95.6   |
| 22   | 23  | 26    | 4074 | 96.2   |
| 23   | 24  | 21    | 4095 | 96.7   |
| 24   | 25  | 16    | 4111 | 97.1   |
| 25   | 26  | 12    | 4123 | 97.4   |
| 26   | 27  | 14    | 4137 | 97.7   |
| 27   | 28  | 9     | 4146 | 97.9   |
| 28   | 29  | 15    | 4161 | 98.3   |
| 29   | 30  | 9     | 4170 | 98.5   |
| 30   | 31  | 12    | 4182 | 98.8   |
| 31   | 32  | 5     | 4187 | 98.9   |
| 32   | 33  | 5     | 4192 | 99.0   |
| 33   | 34  | 10    | 4202 | 99.2   |
| 34   | 35  | 6     | 4208 | 99.4   |
| 35   | 36  | 6     | 4214 | 99.5   |
| 36   | 37  | 0     | 4214 | 99.5   |
| 37   | 38  | 3     | 4217 | 99.6   |
| 38   | 39  | 3     | 4220 | 99.7   |
| 39   | 40  | 2     | 4222 | 99.7   |
| 40   | >40 | 12    | 4234 | 100.0  |

Copper Distribution for Soil Geochem (from 4234 analyses)

| From | To   | Freq. | Cum. | Cum. % |
|------|------|-------|------|--------|
| 0    | 4    | 14    | 14   | 0.3    |
| 4    | 8    | 65    | 79   | 1.9    |
| 8    | 12   | 357   | 436  | 10.3   |
| 12   | 16   | 822   | 1258 | 29.7   |
| 16   | 20   | 942   | 2200 | 52.0   |
| 20   | 24   | 627   | 2827 | 66.8   |
| 24   | 28   | 350   | 3177 | 75.0   |
| 28   | 32   | 224   | 3401 | 80.3   |
| 32   | 36   | 171   | 3572 | 84.4   |
| 36   | 40   | 129   | 3701 | 87.4   |
| 40   | 44   | 90    | 3791 | 89.5   |
| 44   | 48   | 80    | 3871 | 91.4   |
| 48   | 52   | 46    | 3917 | 92.5   |
| 52   | 56   | 42    | 3959 | 93.5   |
| 56   | 60   | 38    | 3997 | 94.4   |
| 60   | 64   | 23    | 4020 | 94.9   |
| 64   | 68   | 20    | 4040 | 95.4   |
| 68   | 72   | 15    | 4055 | 95.8   |
| 72   | 76   | 20    | 4075 | 96.2   |
| 76   | 80   | 11    | 4086 | 96.5   |
| 80   | 84   | 11    | 4097 | 96.8   |
| 84   | 88   | 7     | 4104 | 96.9   |
| 88   | 92   | 9     | 4113 | 97.1   |
| 92   | 96   | 5     | 4118 | 97.3   |
| 96   | 100  | 5     | 4123 | 97.4   |
| 100  | 104  | 10    | 4133 | 97.6   |
| 104  | 108  | 5     | 4138 | 97.7   |
| 108  | 112  | 4     | 4142 | 97.8   |
| 112  | 116  | 5     | 4147 | 97.9   |
| 116  | 120  | 8     | 4155 | 98.1   |
| 120  | 124  | 8     | 4163 | 98.3   |
| 124  | 128  | 8     | 4171 | 98.5   |
| 128  | 132  | 4     | 4175 | 98.6   |
| 132  | 136  | 1     | 4176 | 98.6   |
| 136  | 140  | 2     | 4178 | 98.7   |
| 140  | 144  | 2     | 4180 | 98.7   |
| 144  | 148  | 4     | 4184 | 98.8   |
| 148  | 152  | 2     | 4186 | 98.9   |
| 152  | 156  | 2     | 4188 | 98.9   |
| 156  | 160  | 2     | 4190 | 99.0   |
| 160  | >160 | 44    | 4234 | 100.0  |

Lead Distribution for Soil Geochem (from 4234 analyses)

| From | To  | Freq. | Cum. | Cum. % |
|------|-----|-------|------|--------|
| 0    | 1   | 0     | 0    | 0.0    |
| 1    | 2   | 3     | 3    | 0.1    |
| 2    | 3   | 12    | 15   | 0.4    |
| 3    | 4   | 58    | 73   | 1.7    |
| 4    | 5   | 90    | 163  | 3.8    |
| 5    | 6   | 140   | 303  | 7.2    |
| 6    | 7   | 183   | 486  | 11.5   |
| 7    | 8   | 229   | 715  | 16.9   |
| 8    | 9   | 289   | 1004 | 23.7   |
| 9    | 10  | 391   | 1395 | 32.9   |
| 10   | 11  | 435   | 1830 | 43.2   |
| 11   | 12  | 467   | 2297 | 54.3   |
| 12   | 13  | 439   | 2736 | 64.6   |
| 13   | 14  | 380   | 3116 | 73.6   |
| 14   | 15  | 354   | 3470 | 82.0   |
| 15   | 16  | 225   | 3695 | 87.3   |
| 16   | 17  | 166   | 3861 | 91.2   |
| 17   | 18  | 105   | 3966 | 93.7   |
| 18   | 19  | 90    | 4056 | 95.8   |
| 19   | 20  | 53    | 4109 | 97.0   |
| 20   | 21  | 39    | 4148 | 98.0   |
| 21   | 22  | 23    | 4171 | 98.5   |
| 22   | 23  | 18    | 4189 | 98.9   |
| 23   | 24  | 10    | 4199 | 99.2   |
| 24   | 25  | 9     | 4208 | 99.4   |
| 25   | 26  | 7     | 4215 | 99.6   |
| 26   | 27  | 4     | 4219 | 99.6   |
| 27   | 28  | 1     | 4220 | 99.7   |
| 28   | 29  | 3     | 4223 | 99.7   |
| 29   | 30  | 1     | 4224 | 99.8   |
| 30   | >30 | 10    | 4234 | 100.0  |

Antimony Distribution for Soil Geochem (from 4234 analyses)

| From | To  | Freq. | Cum. | Cum. % |
|------|-----|-------|------|--------|
| 0    | 1   | 1336  | 1336 | 31.6   |
| 1    | 2   | 1253  | 2589 | 61.1   |
| 2    | 3   | 976   | 3565 | 84.2   |
| 3    | 4   | 402   | 3967 | 93.7   |
| 4    | 5   | 147   | 4114 | 97.2   |
| 5    | 6   | 61    | 4175 | 98.6   |
| 6    | 7   | 24    | 4199 | 99.2   |
| 7    | 8   | 14    | 4213 | 99.5   |
| 8    | 9   | 9     | 4222 | 99.7   |
| 9    | 10  | 5     | 4227 | 99.8   |
| 10   | >10 | 7     | 4234 | 100.0  |

Zinc Distribution for Soil Geochem (from 4234 analyses)

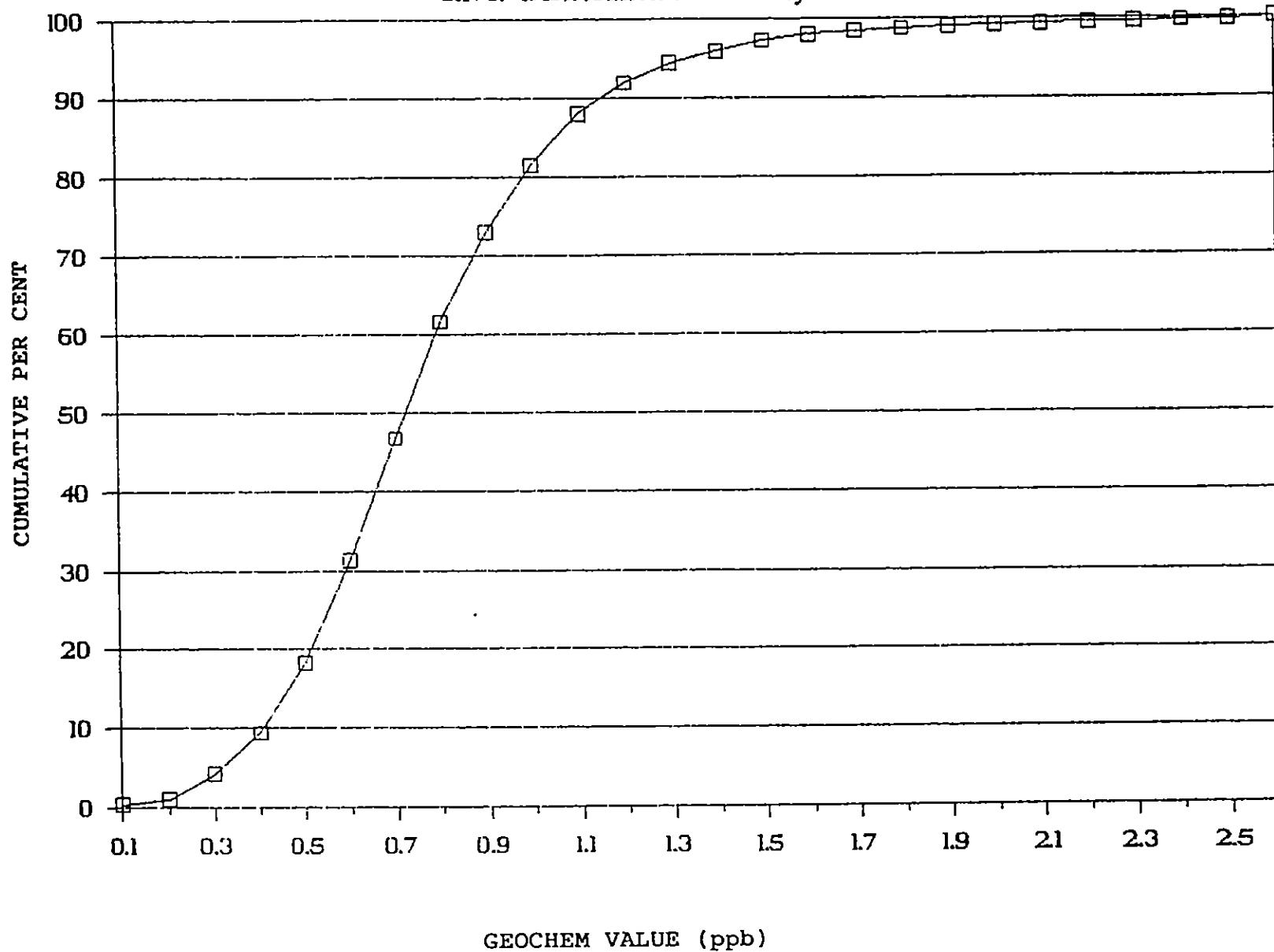
| From | To   | Freq. | Cum. | Cum. % |
|------|------|-------|------|--------|
| 0    | 10   | 14    | 14   | 0.3    |
| 10   | 20   | 27    | 41   | 1.0    |
| 20   | 30   | 36    | 77   | 1.8    |
| 30   | 40   | 112   | 189  | 4.5    |
| 40   | 50   | 420   | 609  | 14.4   |
| 50   | 60   | 529   | 1138 | 26.9   |
| 60   | 70   | 570   | 1708 | 40.3   |
| 70   | 80   | 543   | 2251 | 53.2   |
| 80   | 90   | 426   | 2677 | 63.2   |
| 90   | 100  | 376   | 3053 | 72.1   |
| 100  | 110  | 268   | 3321 | 78.4   |
| 110  | 120  | 258   | 3579 | 84.5   |
| 120  | 130  | 151   | 3730 | 88.1   |
| 130  | 140  | 128   | 3858 | 91.1   |
| 140  | 150  | 90    | 3948 | 93.2   |
| 150  | 160  | 63    | 4011 | 94.7   |
| 160  | 170  | 61    | 4072 | 96.2   |
| 170  | 180  | 30    | 4102 | 96.9   |
| 180  | 190  | 36    | 4138 | 97.7   |
| 190  | 200  | 16    | 4154 | 98.1   |
| 200  | 210  | 14    | 4168 | 98.4   |
| 210  | 220  | 6     | 4174 | 98.6   |
| 220  | 230  | 10    | 4184 | 98.8   |
| 230  | 240  | 13    | 4197 | 99.1   |
| 240  | 250  | 9     | 4206 | 99.3   |
| 250  | 260  | 6     | 4212 | 99.5   |
| 260  | 270  | 3     | 4215 | 99.6   |
| 270  | 280  | 4     | 4219 | 99.6   |
| 280  | 290  | 2     | 4221 | 99.7   |
| 290  | 300  | 2     | 4223 | 99.7   |
| 300  | >300 | 11    | 4234 | 100.0  |

**Gold Distribution for Soil Geochem (from 4234 analyses)**

| From | To   | Freq. | Cum. | Cum. % |
|------|------|-------|------|--------|
| 0    | 5    | 3052  | 3052 | 72.1   |
| 5    | 10   | 905   | 3957 | 93.5   |
| 10   | 15   | 117   | 4074 | 96.2   |
| 15   | 20   | 67    | 4141 | 97.8   |
| 20   | 25   | 23    | 4164 | 98.3   |
| 25   | 30   | 15    | 4179 | 98.7   |
| 30   | 35   | 5     | 4184 | 98.8   |
| 35   | 40   | 4     | 4188 | 98.9   |
| 40   | 45   | 3     | 4191 | 99.0   |
| 45   | 50   | 6     | 4197 | 99.1   |
| 50   | 55   | 2     | 4199 | 99.2   |
| 55   | 60   | 5     | 4204 | 99.3   |
| 60   | 65   | 1     | 4205 | 99.3   |
| 65   | 70   | 0     | 4205 | 99.3   |
| 70   | 75   | 0     | 4205 | 99.3   |
| 75   | 80   | 0     | 4205 | 99.3   |
| 80   | 85   | 1     | 4206 | 99.3   |
| 85   | 90   | 1     | 4207 | 99.4   |
| 90   | 95   | 0     | 4207 | 99.4   |
| 95   | 100  | 1     | 4208 | 99.4   |
| 100  | 105  | 0     | 4208 | 99.4   |
| 105  | 110  | 1     | 4209 | 99.4   |
| 110  | 115  | 1     | 4210 | 99.4   |
| 115  | 120  | 0     | 4210 | 99.4   |
| 120  | 125  | 0     | 4210 | 99.4   |
| 125  | 130  | 2     | 4212 | 99.5   |
| 130  | 135  | 2     | 4214 | 99.5   |
| 135  | 140  | 1     | 4215 | 99.6   |
| 140  | 145  | 0     | 4215 | 99.6   |
| 145  | 150  | 0     | 4215 | 99.6   |
| 150  | 155  | 0     | 4215 | 99.6   |
| 155  | 160  | 0     | 4215 | 99.6   |
| 160  | 165  | 0     | 4215 | 99.6   |
| 165  | 170  | 0     | 4215 | 99.6   |
| 170  | 175  | 0     | 4215 | 99.6   |
| 175  | 180  | 1     | 4216 | 99.6   |
| 180  | 185  | 0     | 4216 | 99.6   |
| 185  | 190  | 0     | 4216 | 99.6   |
| 190  | 195  | 0     | 4216 | 99.6   |
| 195  | 200  | 0     | 4216 | 99.6   |
| 200  | >200 | 18    | 4234 | 100.0  |

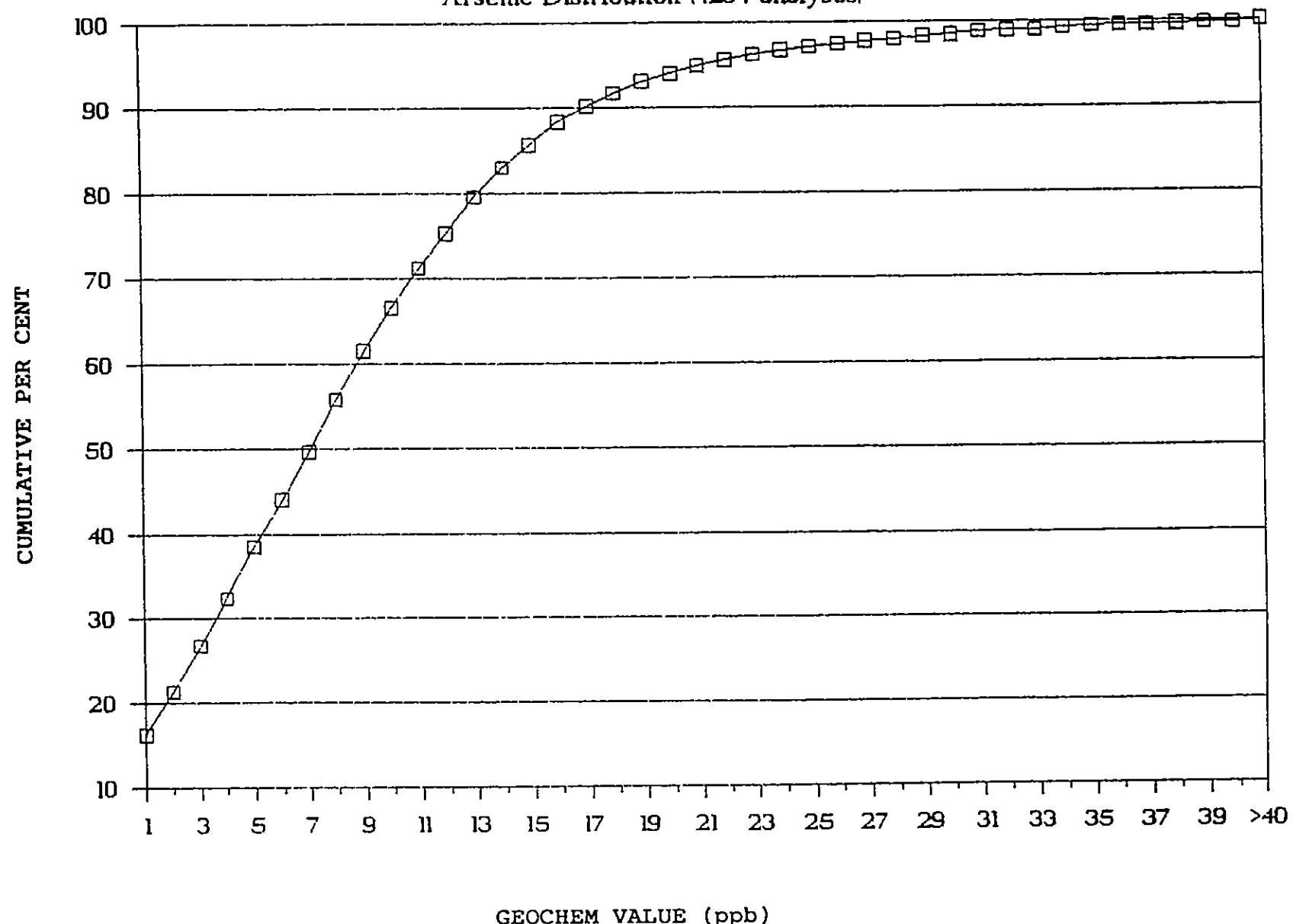
# Quesnel Project Soil Geochem

Silver Distribution (4234 analyses)



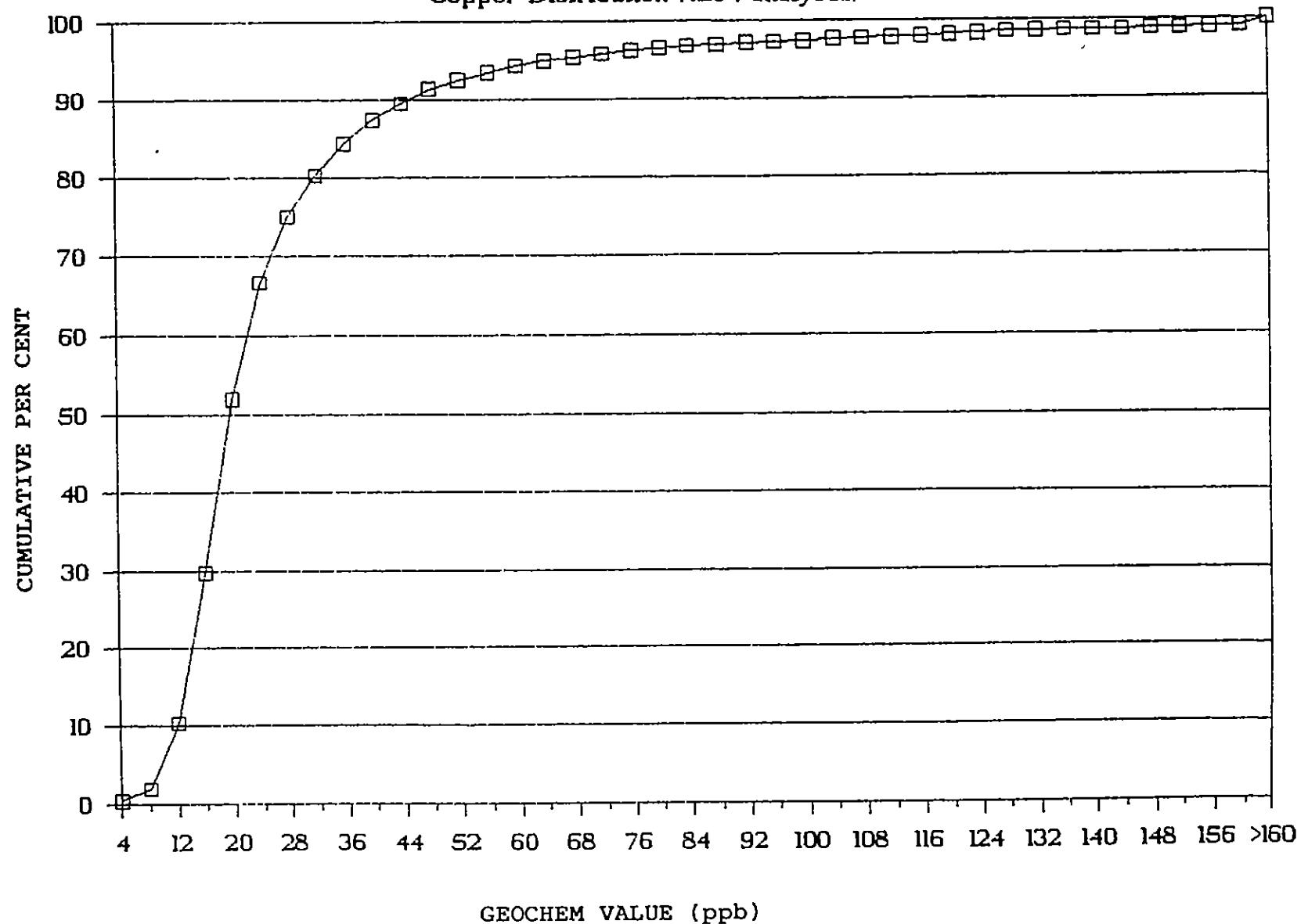
# Quesnel Project Soil Geochem

Arsenic Distribution (4234 analyses)



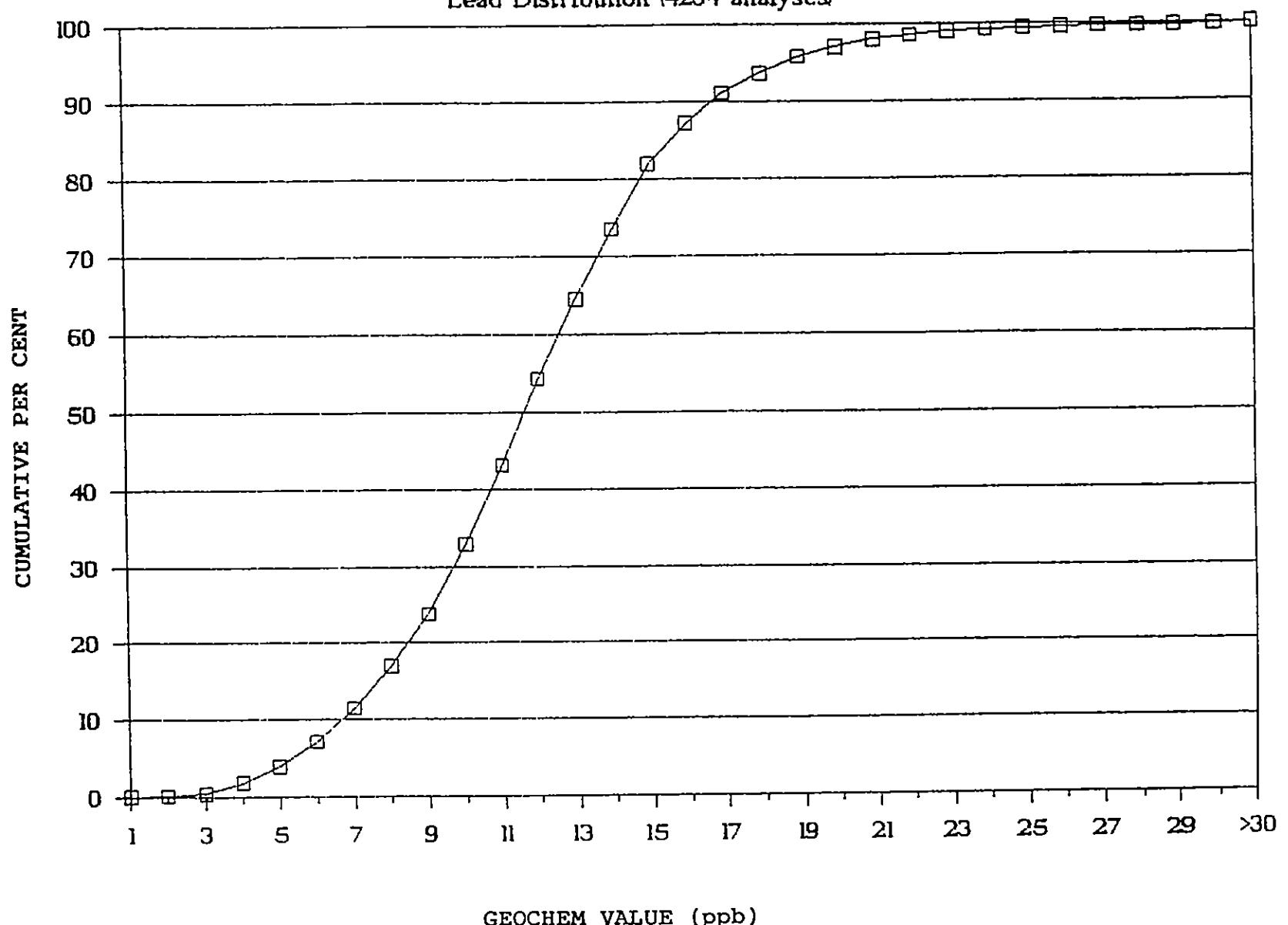
# Quesnel Project Soil Geochem

Copper Distribution (4234 analyses)



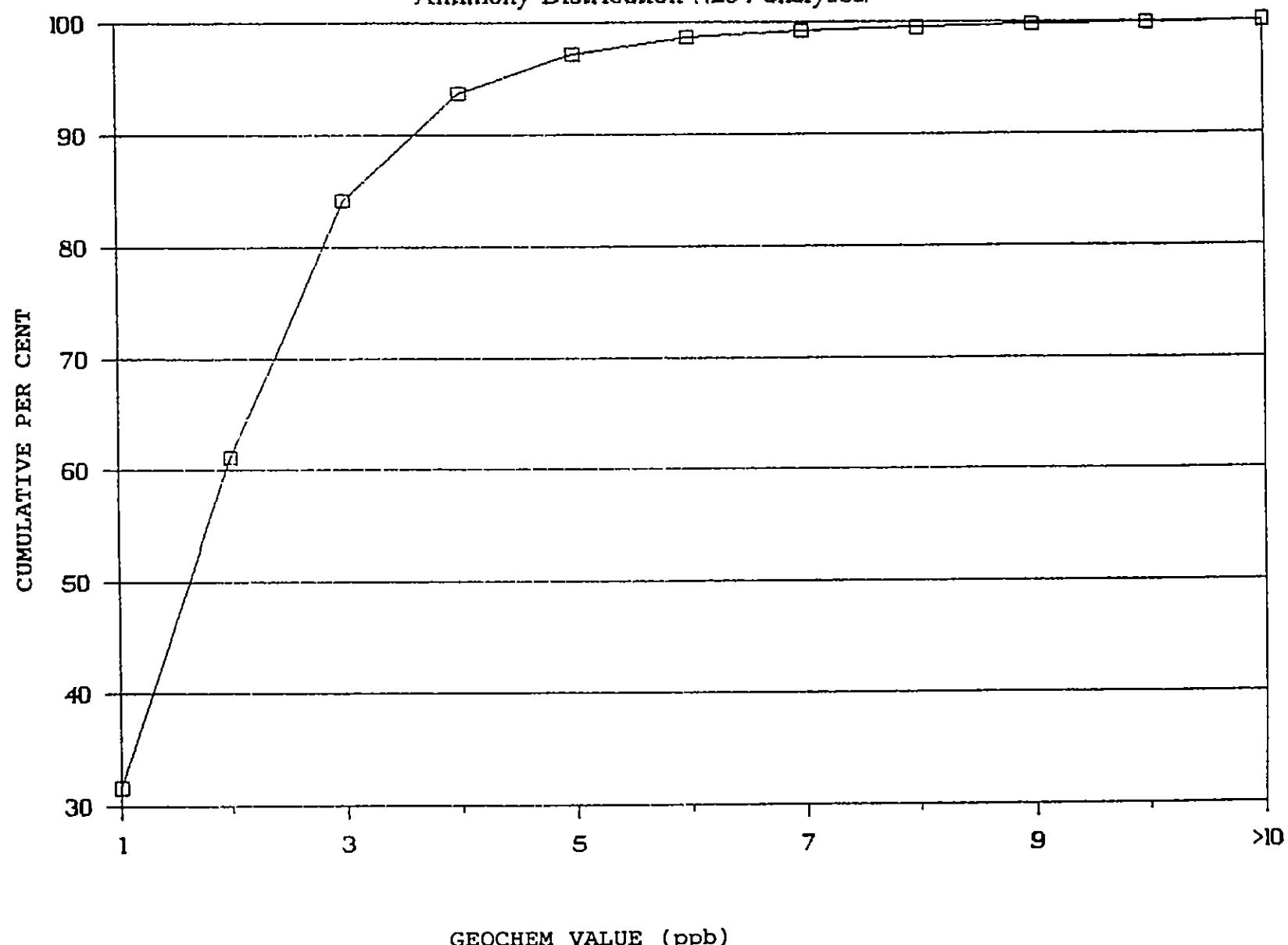
# Quesnel Project Soil Geochem

Lead Distribution (4234 analyses)



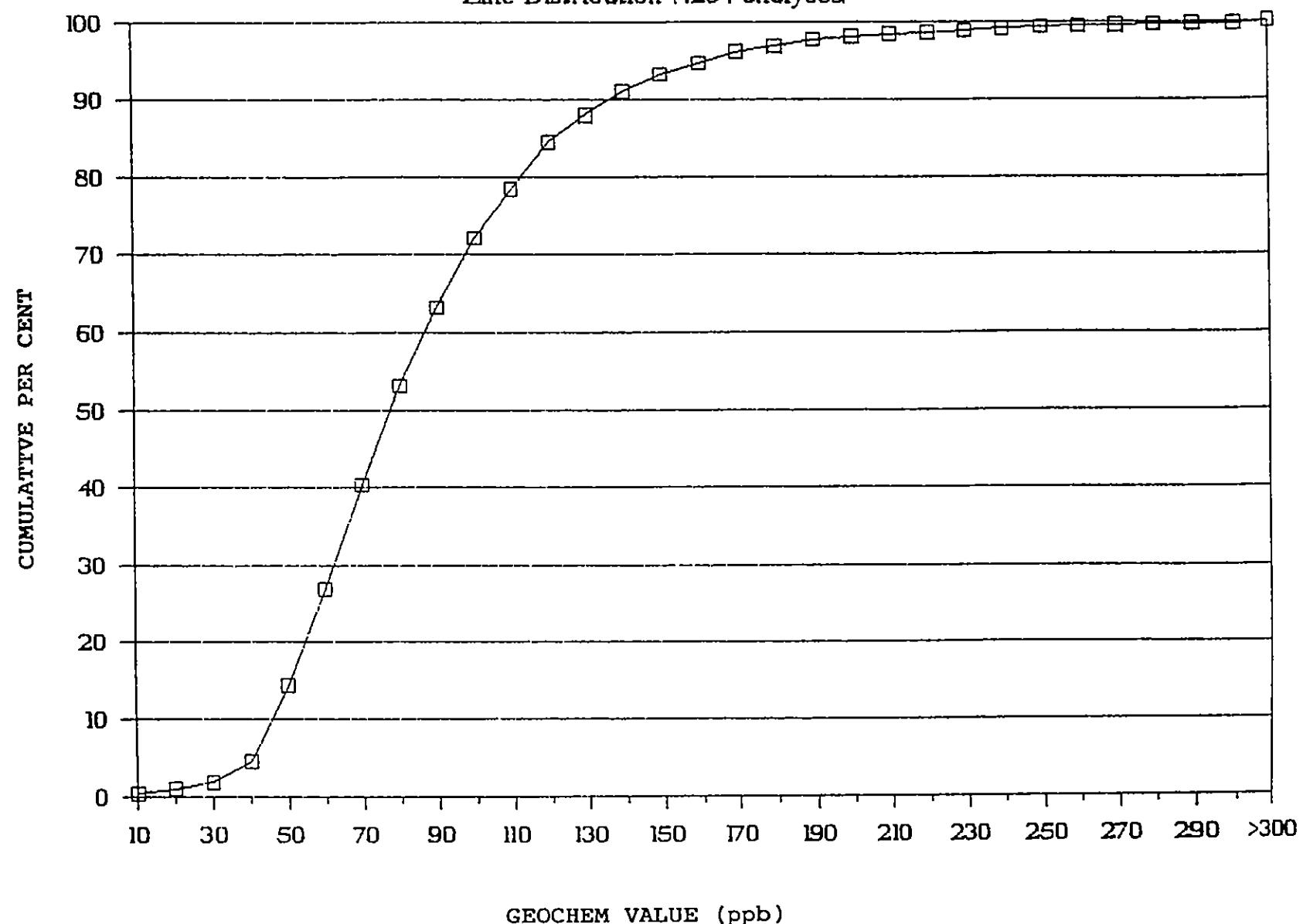
# Quesnel Project Soil Geochem

Antimony Distribution (4234 analyses)



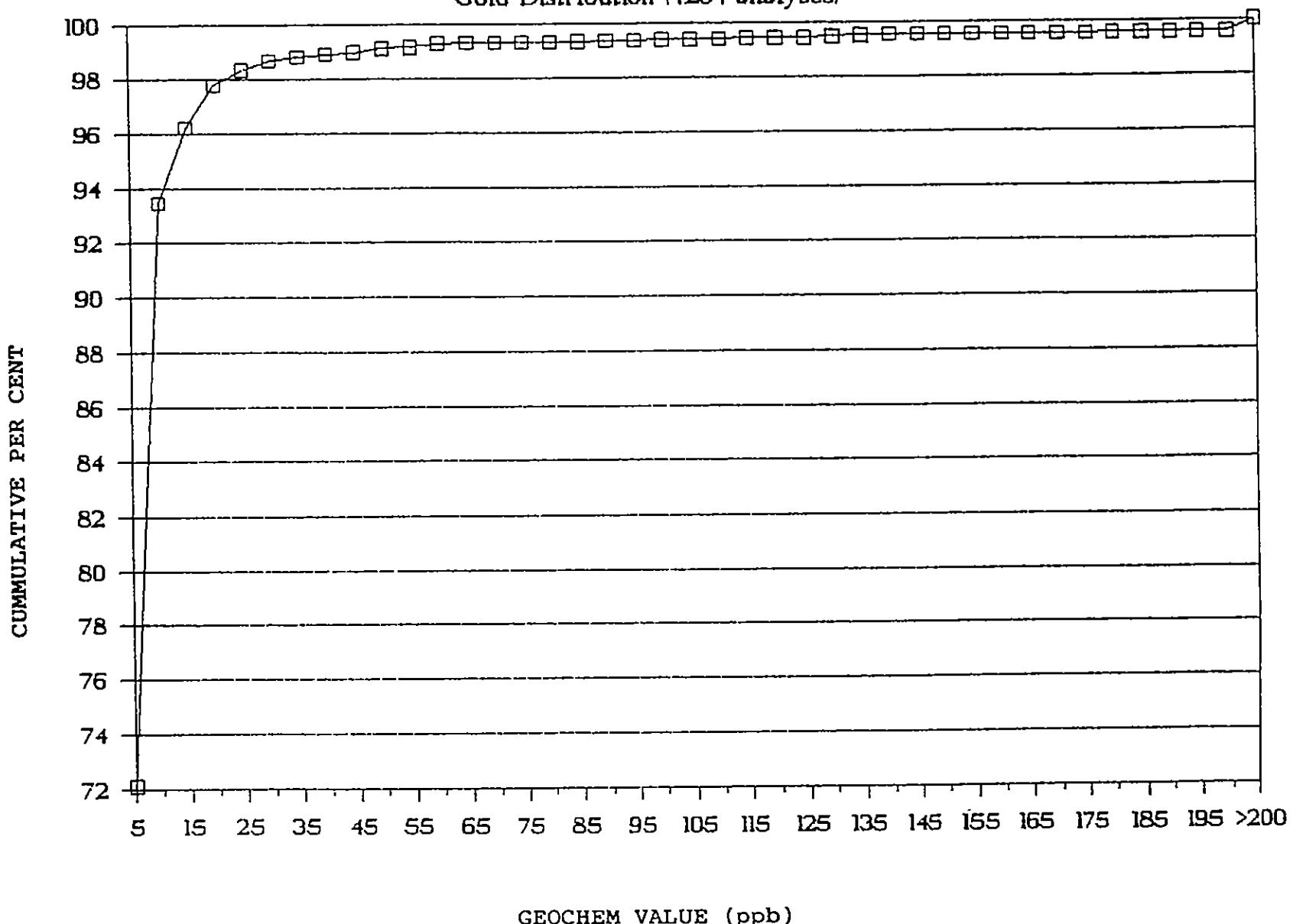
# Quesnel Project Soil Geochem

Zinc Distribution (4234 analyses)



# Quesnel Project Soil Geochem

Gold Distribution (4234 analyses)



## APPENDIX V

Circle Resources Ltd.

### Statement of Costs

#### Circle 1-3 Claims

#### Cariboo Mining Division

|   |              |
|---|--------------|
| Gridding (26.8 km @ \$1.00)             | \$ 2,680     |
| Soil Sample Collection (532 @ \$5.50)   | 2,926        |
| Labour                                  |              |
| Geologist (2 days @ \$225)              | 450          |
| Field Assistant (5 days @ \$125)        | 625          |
| Prospector (7 days @ \$225)             | <u>1,575</u> |
|   | 2,650        |
| Accommodation (14 days @ \$50)          | 700          |
| Geochemical Analyses                    |              |
| Soils (532 @ \$10)                      | 5,320        |
| Heavy Minerals (1 @ \$36)               | 36           |
| Rocks (16 @ \$15)                       | 240          |
| Silts (40 @ \$10)                       | <u>400</u>   |
|   | 5,996        |
| Field Supplies                          | 137          |
| Truck Rental (4.5 days @ \$100)         | 450          |
| Drafting                                | 290          |
| Transportation (excluding truck rental) | 388          |
| Report Preparation (3 days \$ 350)      | <u>1,050</u> |
| Total Costs                             | \$17,267     |

## APPENDIX VI

### Major Suppliers of Goods and Services for Quesnel Project

| <u>Supplier</u>   | <u>Service</u>                       |
|---|--------------------------------------|
| Aurum Geological Consultants<br>604 - 675 West Hastings Street<br>Vancouver, B.C. V6B 1N2<br>(604) 683-9656                                 | Geologist<br>Field Assistant         |
| C.J.L. Enterprises Ltd.<br>Box 666<br>Smithers, B.C. V0J 2N0<br>(604) 847-3612  | Prospector                           |
| Bill Chase and Associates Ltd.<br>1585 - 130th Street<br>White Rock, B.C. V4A 3Z6<br>(604) 536-2936   | Soil Crew                            |
| Pacific Northwest Geotech Ltd.<br>2246 Sifton Avenue<br>Kamloops, B.C.<br>(604) 374-3237 (Kamloops)<br>(604) 689-3122 (Vancouver)           | Proton Mag<br>Operator               |
| Valhalla Matal<br>Box 4625<br>Quesnel, B.C. V2J 3J8<br>(604) 747-1111   | Board                                |
| Campbell & Associates Ltd.<br>#8 - 84 Lonsdale Avenue<br>North Vancouver, B.C. V7M 2E6<br>(604) 985-4588                                    | Petrology<br>Engineering<br>Reports  |
| Rotortech Helicopters Ltd.<br>4189 - 104th Street<br>Delta, B.C. V4K 3N3<br>(604) 992-3242 (Quesnel)<br>(604) 591-7174 (Vancouver)          | Helicopter<br>(Quesnel)              |
| Northern Mountain Helicopters<br>P.O. Box 368<br>Princee George, B.C. V2L 4S2<br>(604) 992-3610 (Quesnel)<br>(604) 398-6322 (Williams Lake) | Helicopter<br>(Quesnel)              |
| Min-En Laboratories<br>705 West 15th Street<br>North Vancouver, B.C. V7M 1T2<br>(604) 980-5814  | Geochemical<br>Analyses,<br>Supplies |

## APPENDIX VII

### STATEMENT OF QUALIFICATIONS

I, Bernard H. Kahlert, of the City of West Vancouver, in the Province of British Columbia do hereby certify that:

1. I am a Consulting Geologist and a principal in B.H. Kahlert and Associates Ltd. with offices at 1195 Sutton Place, West Vancouver, British Columbia;
2. I am a graduate of the University of British Columbia, 1966, with a Degree of B.Sc. in Geology;
3. I was registered with the Association of Professional Engineers of British Columbia in 1971;
4. I have practiced my profession as an exploration geologist continuously for over 22 years in Canada, the United States, Australia and China;
5. I have been employed by major mining, oil and consulting companies;
6. The information in this report was obtained from personal supervision of field operations, review of all results and compiling data for future planned work programs.

DATED at Vancouver, British Columbia, this 31st day of May, 1988.

