

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.03.03

ASSESSMENT REPORT 17480

MINING DIVISION: Cariboo

PROPERTY: Woodjam
LOCATION: LAT 52 13 00 LONG 121 18 00
UTM 10 5786280 616141
NTS 093A03W

CLAIM(S): Wood 1-3
OPERATOR(S): Circle Res.
AUTHOR(S): Kahlert, B.
REPORT YEAR: 1988, 49 Pages

COMMODITIES

SEARCHED FOR: Gold

GEOLOGICAL

SUMMARY: The claims are underlain in part by the Takomkane Batholith of granodiorite composition, and in part by the Quesnellia terrane volcanic-sedimentary units.

WORK

DONE: Geochemical
LINE 33.0 km
ROCK 6 sample(s) ;ME
SOIL 531 sample(s) ;AU,AG,AS,SB,CU,PB,ZN
Map(s) - 2; Scale(s) - 1:5000

RELATED

REPORTS: 12479

BERNARD H. KAHLERT P.Eng.

Consulting Geologist
Mineral Exploration

LOG NO: 0624

RD.

ACTION:

FILE NO:

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

GEOCHEMICAL REPORT

Claims

Wood - 1	8282 (3)
Wood - 2	8284 (3)
Wood - 3	8629 (9)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,480

Cariboo Mining Division

NTS 93 A/3

Lat. 52° 13' N., Long. 121 18' W.

FILMED

Owner
Contractor
Consultant

Circle Resources Ltd.
Aurum Geological Consultants
B.H. Kahlert & Associates
Ltd.

Author

B.H. Kahlert

Date

June 3, 1988
West Vancouver, B.C.

**SUB-RECORDER
RECEIVED**

JUN 6 1988

M.R. # \$.....

VANCOUVER, B.C.

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Our File No. BEMA 3024-6
bema\rpt\asswdjam.bhk .

INTRODUCTION

This report describes a geochemical follow-up survey completed on Wood 1-3 claims located 60 kilometres due east of Williams Lake, 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.

WOODJAM PROPERTY

Location and Access

The Woodjam property is located 55 kilometers East of Williams Lake, B.C. (see Figure 1). The nearest settlement is the village of Horsefly, B.C., 15 kilometers to the NNW.

Access from Horsefly is South via good gravel road for 23 kilometers and thence East for 15 kilometers on the Moffat Lake logging main for 15 kilometers to the 2500R turnoff. The secondary logging road heads North for 6 kilometers to a logging show along the Southern boundary of Wood 3 claims. Travel time is about 1.25 hours from Horsefly.

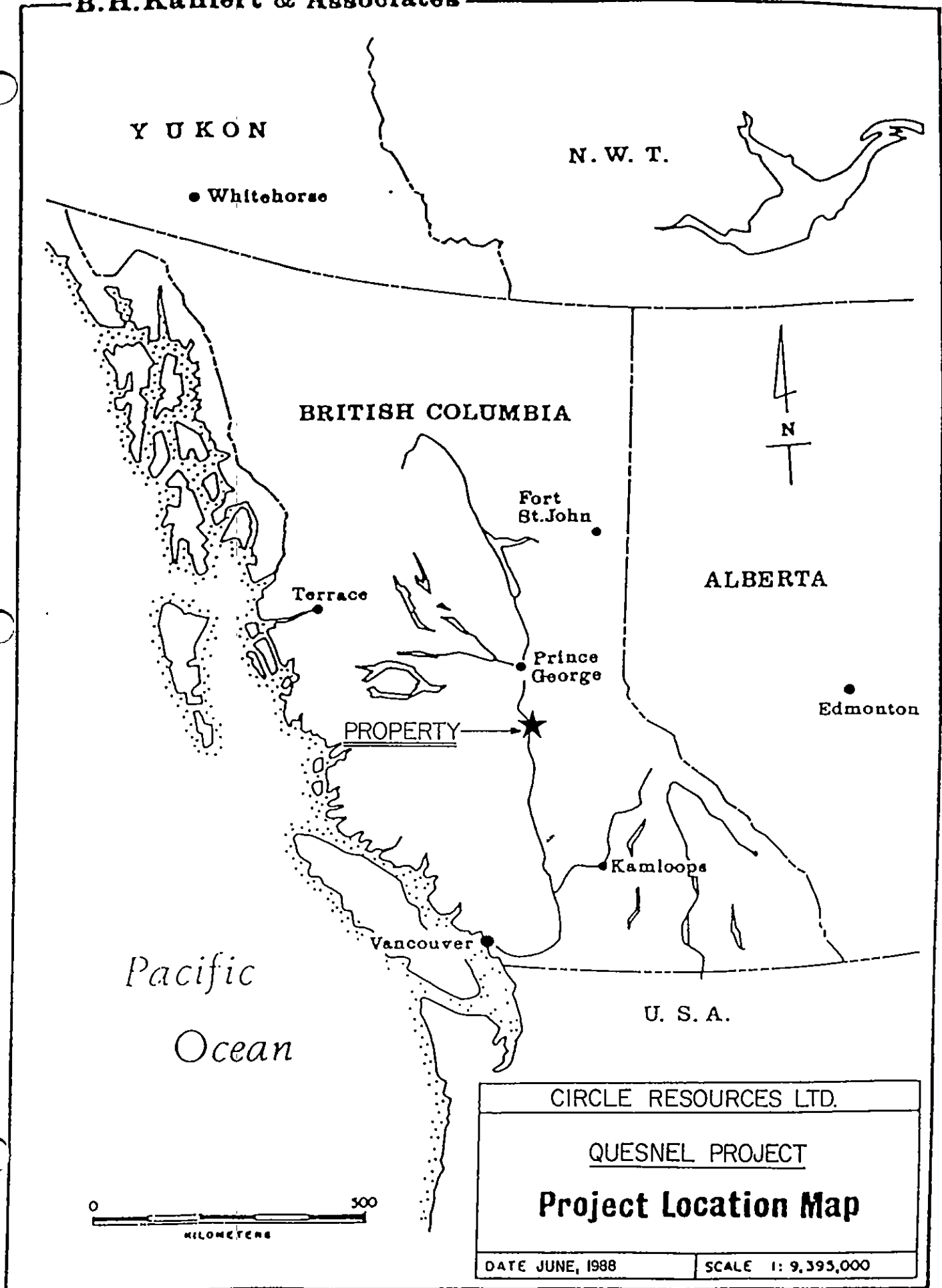


Figure 1

Alternate access is by following the Moffat Lake logging main for 55 kilometers from 150 Mile House (18 km. South of Williams Lake on Highway 97). Travel time is roughly 45 minutes from 150 Mile House.

Claim Description *Previous exploration on the property is not known.*

The Woodjam property consists of 3 mineral claims, in total 54 units (13.5 sq. km.) situated at Latitude 52 degrees 13 minutes, Longitude 121 degrees 18 minutes in the Caribou Mining District of British Columbia (see Figure E.1).

Table E.1 Woodjam Claim List (N.T.S. 93A/3W)

Claim Name	Record No.	Date of Record	Units
Wood 1	8283	March 5, 1987	18
Wood 2	8284	March 5, 1987	18
Wood 3	8629	September 25, 1987	18
total units			54

Soil Grids

The Woodjam property was staked in response to gold values of from 50 to 200 ppb returned by stream sediment samples on West flowing tributaries to Woodjam Creek. As well, heavy mineral

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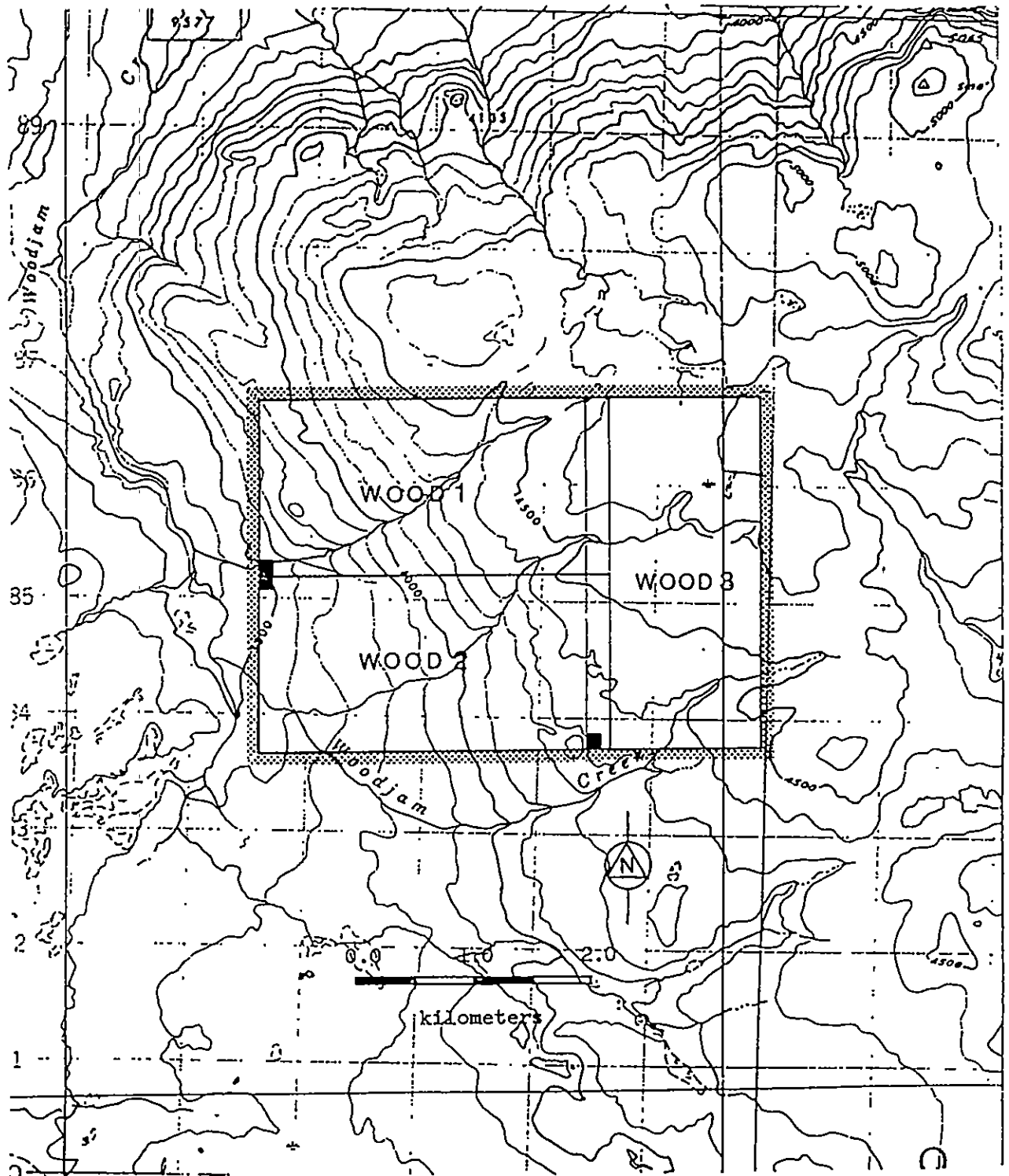


Figure E.1
Woodjam Property
Location Plan (1:50,000)

sampling of the Northern tributary was reported at 4,100 ppb gold in -60 +80 mesh non-magnetic fraction.

A reconnaissance grid was laid out with lines at 200 meter spacing trending 58 degrees azimuth, sub-parallel to the drainage. The grid was referenced from station 5000W-2600N which was fixed at Post 4N of Wood 3. In total, 9 lines of 3,000 meters length were sampled at 50 meter spacing.

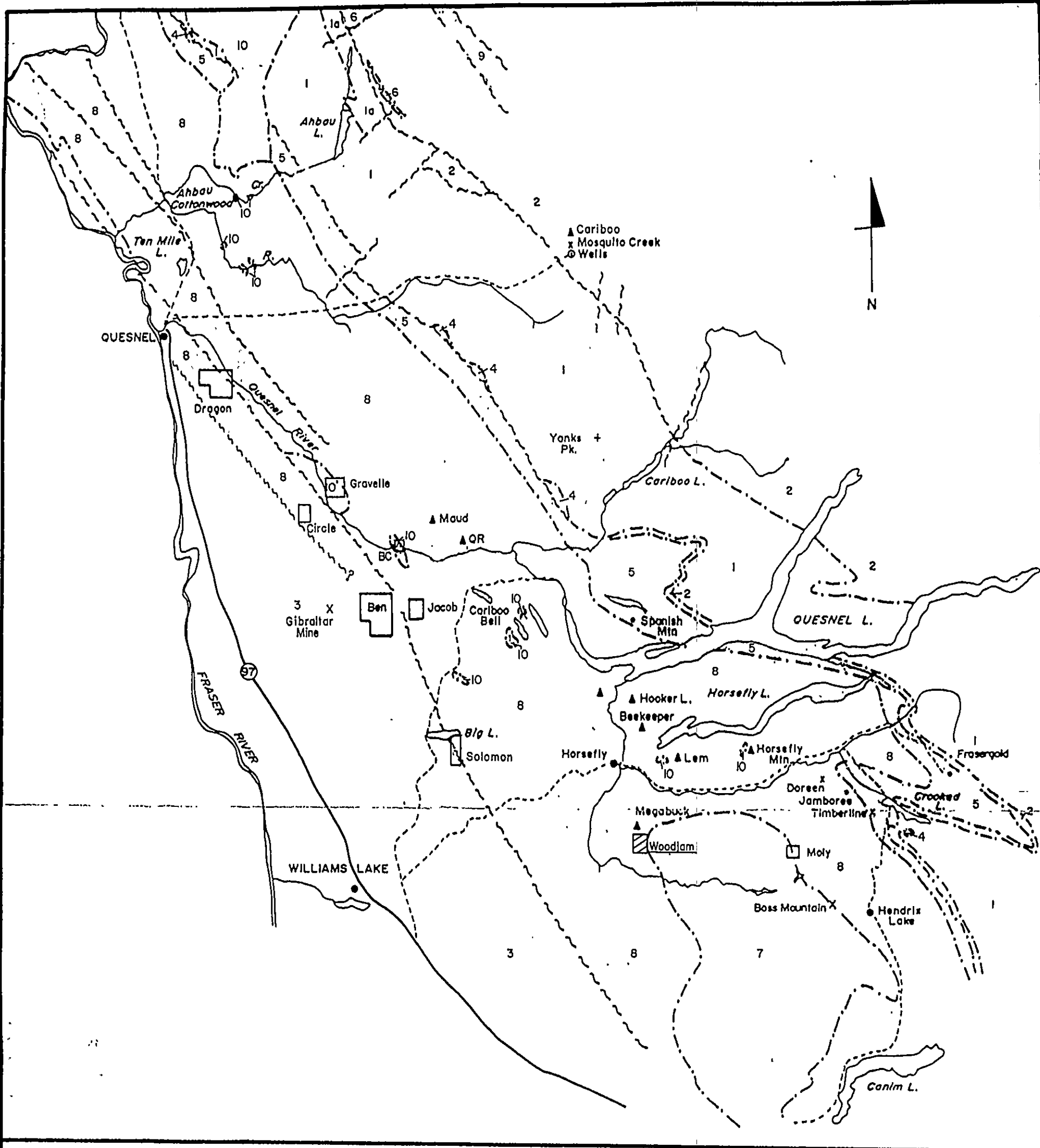
Work included:

- o 33 kilometers of flag lines
- o 531 soil samples *from the 'B' horizon, about 15 to 30 cm deep, taken with a gouge.*

Geology

The property lies at the Northern margin of the Takomkane Batholith, a composite pluton variable in composition from quartz diorite to quartz monzonite. (Fig. 3, over)

Exposed outcrops were mainly rather fresh looking medium grained hornblende biotite quartz monzonite. Float of pale green tuff with trace chalcopryrite was found in the creeks but it is believed to have been transported from outcrop above 4,500 foot elevation on the plateau to the East of the property.



10	LOWER CRETACEOUS Porphyritic Granite	3	CACHE CREEK TERRANE UPPER PALEOZOIC Cache Creek Group Basalt, chert, limestone	Fault
9	QUESNEL TERRANE UPPER TRIASSIC and/or LOWER JURASSIC Takla Group Greywacke, siltstone, minor conglomerate, argillite, augite porphyry breccia	2	SLIDE MOUNTAIN TERRANE UPPER PALEOZOIC Slide Mountain Group Basalt, chert	Geologic contact
8	Alkalic basaltic and andesitic volcanic tuffs, flows, augite porphyry breccias, limestone, conglomerate, slate and related diorite stocks, sills, and dykes	1	OMINECA CRYSTALLINE BELT HADRYNIAN AND PALEOZOIC Snowshoe Group Undifferentiated gill, pelite, marble	GOLD OCCURRENCES ▲ Au Hydrothermal-Epigenetic ● Au Stratabound X Au Bearing veins
7	LATE TRIASSIC Takomkane Batholith; granodiorite, quartz diorite, quartz monzonite	1a	Gill, quartzite	x Porphyry Cu/Mo Deposit
6	UPPER TRIASSIC Siltite, pelite, limestone, minor bioclastic limestone			— Road
5	MIDDLE AND UPPER TRIASSIC Black Phyllite, slate			□ CIRCLE Claim group
4	UPPER PALEOZOIC Serpentinite, amphibolite			

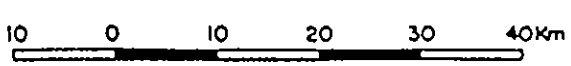


FIG. E.3

CIRCLE RESOURCES LTD.			
B.H. KAHLERT & ASSOC. LTD.			
QUESNEL PROJECT			
COMPILATION MAP			
Drawn By	lgc	Scale	1:750,000
Date	SEPT. '87	Project No	001

On the Northern tributary, Takomkane quartz monzonite is overlain by in part by Tertiary vesicular basalt above 4,000 foot elevation.

Elsewhere much of the property is obscured by a veneer of Pleistocene glacial till.

Prospecting

Woodjam Creek and the two tributaries draining the property were traversed as well as known claim lines. Outcrop noted by soil samplers was also visited. Only five rock samples were collected of which four were of interesting float. Results are given under Rock Geochemistry.

Geochemistry

a. Soils (See Plans E-1, E-2)

A number of anomalous gold soil values are distributed over the property as single point highs, ranging from 20-2,800 ppb gold.

Silver forms a well defined zone of values ranging from 1.1 to 1.8 ppm Ag on the Northern creek between lines 3400N and 4000N and stations 5000W and 6800W. The NE corner of this zone is coincident with enriched arsenic ranging from 18-30 ppm As.

A small silver zone with values ranging from 1.1 to 1.7 ppm Ag occurs on lines 2000N and 2200N between status 5400W and 5850W.

Antimony from 4-6 ppm forms a consistent zone between lines 2000N and 3000N and stations 5000W and 5300W.

Statistical analysis of soil sample results was carried out. This property was one of nine evaluated; a total of 4,234 soil samples were collected from Quesnellia Terrane properties. All samples were analyzed for Au, Ag, Cu, Pb, Zn, As, Sb. Basic statistical analysis of all samples was completed for comparative purposes and determining threshold and anomalous values. Results of all statistical results and distribution curves are shown in Appendix .

b. Rocks

Float samples indicate that the pyritic tuff package is weakly enriched in Ag (1.5 to 2.7 ppm).

Property Magnetism (See Figure E.2)

Regional 1"-1 mile air mag surveys show broad open contours over most of the property reflecting the uniform character of the underlying Takomkave batholith. The mag high on the Northern

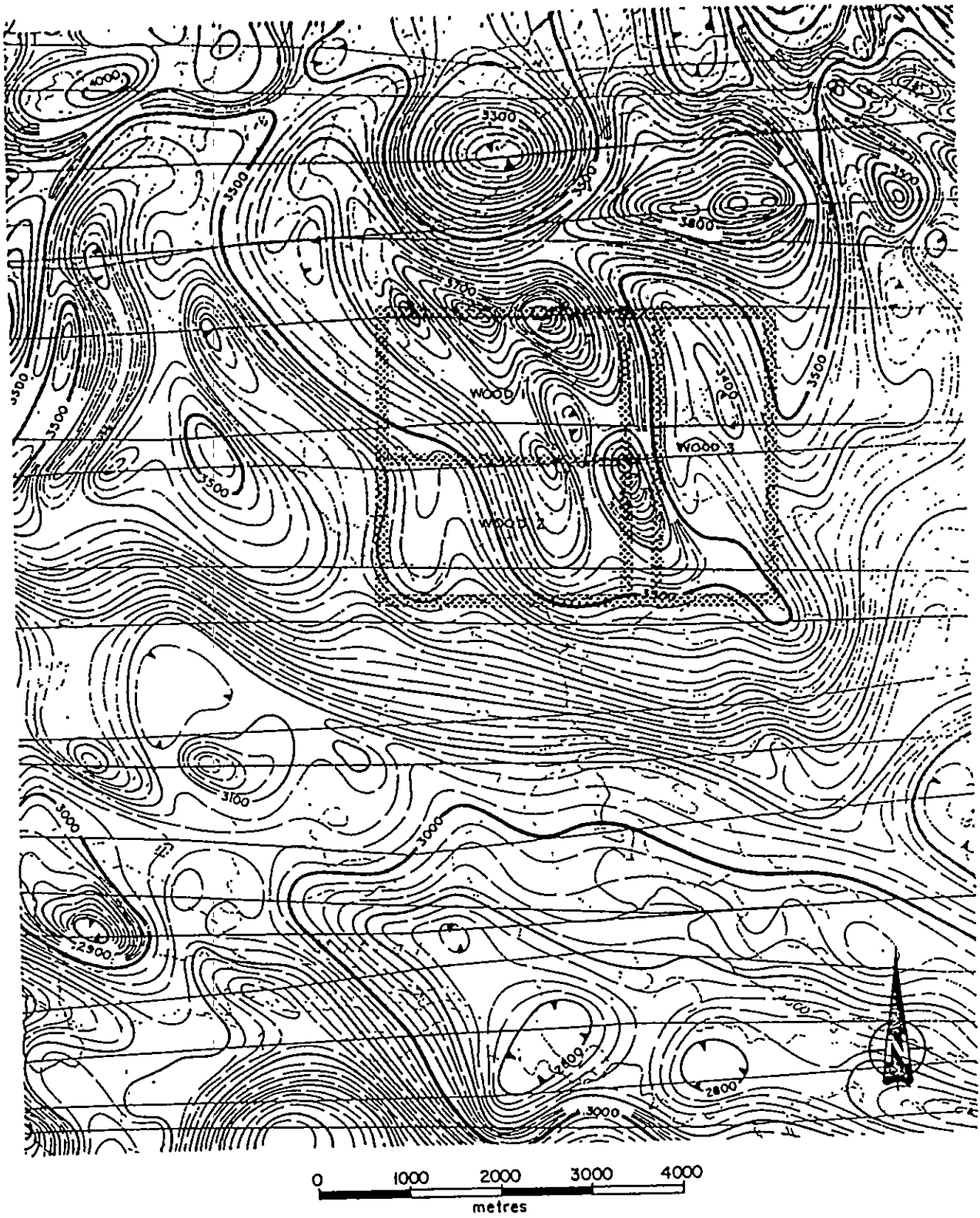


Figure E.2
Woodjam Property
Aeromagnetic Contour Map (1:62,500)

creek can be attributed to Miocene plateau basalt from field work. Active magnetic areas to the North have been mapped by the GSC as intermediate Tertiary volcanics.

Evaluation

Broadly spaced soil sampling at 100 metre intervals on lines separated by 200 metres has returned the following:

- o single point gold highs ranging from 20 to 2,800 ppb Au.

- o a 400 metre wide silver geochemical zones centered on the Northern Creek. The zone extends for roughly 1,000 metres and consists of moderately anomalous values ranging from 1.1 to 1.8 Ag. The NE corner of this zone coincides with enriched arsenic ranging from 18-30 ppm As.

The present survey has not clearly defined the source for 50 to 200 ppb Au silts and the 4,100 ppb Au heavy mineral sample. Isolated gold highs should be followed up with more detailed sampling at 25 metre intervals on lines separated by 50 metres. Fill in lines at 100 metre intervals should be run over the present grid. The grid should be extended to the East with 50 metre sample spacing and 200 metre line separation.

Work Recommended

- a. Grid extension to East:
 - o 200 metre line separation.
 - o 50 metre samples.
 - o 16 line kilometres of flag line.
 - o 320 samples.

- b. Fill-in lines on present grid:
 - o 100 metre intervals between present lines.
 - o 50 metre sample spacing.
 - o 36 line-kilometres of flag line.
 - o 720 samples.

- c. Detailed sampling of Au highs:
 - o 25 metre sample spacing.
 - o 50 metre line separation.
 - o 100 samples per anomalous Au location.
 - o 8 line-kilometres of flag line.
 - o 400 samples.



APPENDIX I

WOODJAM PROPERTY SOIL ANALYSES

PROPERTY : (E) WOODJAM.

FILES : 7-1640 SOILS

7-1702 SOILS.

COMPANY: BEMA INDUSTRIES

PROJECT NO: 87 24 E

ATTENTION: B. KAHLERT/B. FRASER

MIN-EM 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/P4+5

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
2000N 5000W	.7	5	22	11	4	63	5
2000N 5050W	.3	8	22	6	3	70	5
2000N 5100W	.9	11	19	10	4	54	10
2000N 5150W	1.0	7	30	7	5	76	5
2000N 5200W	.9	5	24	9	4	67	5
2000N 5250W	.9	4	25	14	6	80	5
2000N 5300W	.7	44	22	3	7	154	5
2000N 5350W	.9	12	17	10	1	41	5
2000N 5400W	1.1	10	24	11	2	66	10
2000N 5450W	.9	6	22	6	1	62	5
2000N 5500W	1.4	11	24	12	1	118	5
2000N 5550W	.8	3	18	5	1	123	5
2000N 5600W	1.1	39	25	6	7	114	5
2000N 5650W	1.3	2	23	10	1	97	10
2000N 5700W	1.2	8	20	9	1	77	3
2000N 5750W	1.3	4	28	13	1	82	5
2000N 5800W	1.3	1	24	7	1	85	5
2000N 5850W	1.0	1	29	6	6	111	5
2000N 6050W	.8	8	27	11	1	69	10
2000N 6100W	1.0	6	39	4	6	98	5
2000N 6150W	.9	1	31	11	7	124	5
2000N 6200W	1.4	17	36	12	1	99	10
2000N 6250W	.5	15	18	13	1	50	5
2000N 6300W	.7	5	38	12	6	101	5
2000N 6400W	1.2	15	63	14	1	63	10
2000N 6450W	.8	14	19	15	1	50	10
2000N 6500W	.7	17	30	11	1	61	5
2000N 6550W	1.1	13	28	11	1	86	5
2000N 6600W	.9	11	29	12	1	63	5
2000N 6650W	.8	15	43	9	1	62	5
2000N 6700W	.3	12	15	10	1	41	5
2000N 6750W	.6	2	20	5	2	54	5
2000N 6800W	.7	7	14	12	1	42	10
2000N 6850W	.7	5	16	10	3	47	5
2000N 6900W	.7	5	15	11	1	49	5
2000N 6950W	.9	7	15	12	1	52	10
2000N 7000W	.5	4	15	11	1	52	5
2000N 7050W	1.1	7	15	12	1	51	5
2000N 7100W	1.0	11	16	12	1	44	5
2000N 7150W	.8	1	22	9	4	57	10
2000N 7200W	.6	3	14	8	1	52	5
2000N 7250W	.7	4	15	14	1	50	5
2000N 7300W	.8	9	15	8	1	47	5
2000N 7350W	.7	8	13	8	4	58	5
2000N 7400W	.8	8	22	9	4	55	10
2000N 7450W	.6	10	18	13	1	51	5
2000N 7500W	.6	23	14	8	4	88	10
2000N 7550W	.8	6	18	9	1	60	10
2000N 7600W	.9	10	14	12	1	59	5
2000N 7650W	.4	9	9	10	1	28	10
2000N 7750W	1.1	8	32	14	1	65	5
2000N 7800W	.7	8	18	9	1	48	5
2000N 7900W	.6	12	16	11	1	35	5
2000N 7950W	.6	2	14	7	1	77	5
2000N 8000W	.9	25	17	4	1	69	10
2200N 5000W	1.1	1	20	4	5	77	5
2200N 5050W	.9	28	22	5	5	72	5
2200N 5100W	.9	31	24	4	4	75	5
2200N 5150W	1.1	4	24	7	6	75	5
2200N 5200W	1.0	4	17	7	4	51	10

COMPANY: BEMA INDUSTRIES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 87 24 E

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

FILE NO: 7-1640/P6+7

ATTENTION: D. KAHLERT/D. FRASER.

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

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
2200N 5250W	.7	23	24	11	2	108	5
2200N 5300W	.6	1	21	9	2	67	10
2200N 5350W	.8	1	17	9	4	54	5
2200N 5400W	1.3	28	29	10	4	115	10
2200N 5450W	1.1	9	18	9	5	65	5
2200N 5500W	1.4	6	24	15	5	119	20
2200N 5550W	.9	2	23	10	3	58	5
2200N 5600W	1.4	5	23	14	1	82	5
2200N 5650W	.7	1	16	9	1	56	5
2200N 5700W	1.7	1	28	12	1	149	5
2200N 5750W	1.5	8	28	11	2	105	5
2200N 5800W	.9	5	20	5	1	45	5
2200N 5850W	1.3	2	31	8	1	87	5
2200N 5900W	.8	12	15	12	1	50	5
2200N 5950W	.9	5	20	9	1	74	5
2200N 6000W	.7	6	21	11	1	58	10
2200N 6050W	.7	7	29	8	1	53	5
2200N 6100W	1.0	5	26	7	6	66	5
2200N 6150W	.6	3	24	6	1	49	5
2200N 6200W	.9	1	22	11	1	80	5
2200N 6250W	.5	16	28	8	4	65	10
2200N 6300W	.8	7	21	11	1	48	5
2200N 6350W	.9	6	24	15	1	64	5
2200N 6400W	.8	7	21	14	1	52	5
2200N 6450W	.8	11	23	9	1	65	10
2200N 6500W	.6	8	33	13	4	54	10
2200N 6550W	.5	7	17	11	2	37	5
2200N 6600W	.8	1	28	10	5	134	5
2200N 6650W	.3	11	14	12	1	40	5
2200N 6700W	.4	9	22	16	1	51	5
2200N 6750W	.8	24	32	9	4	116	5
2200N 6800W	.4	19	18	9	4	62	5
2200N 6900W	.3	18	15	6	4	75	10
2200N 6950W	.5	3	13	10	2	41	5
2200N 7000W	.6	2	18	8	1	51	5
2200N 7050W	.7	5	18	6	4	55	5
2200N 7100W	.4	1	15	7	1	56	10
2200N 7150W	.7	3	21	7	5	88	5
2200N 7200W	.4	6	12	10	3	39	10
2200N 7250W	.6	2	17	9	3	59	5
2200N 7350W	.8	26	21	6	1	72	5
2200N 7400W	.8	8	15	10	1	48	5
2200N 7450W	.8	5	18	10	4	44	5
2200N 7550W	.7	1	20	11	4	56	5
2200N 7600W	.6	8	18	8	1	46	10
2200N 7650W	.9	6	23	11	1	78	5
2200N 7700W	.6	7	17	11	2	75	5
2200N 7750W	.6	4	24	15	1	67	5
2200N 7800W	.9	3	22	16	1	51	5
2200N 7850W	.7	5	16	10	1	57	10
2200N 7900W	.7	2	19	16	1	73	5
2200N 7950W	.7	19	17	8	1	69	5
2200N 8000W	.6	1	18	4	1	71	5
2600N 5000W	.4	2	16	9	3	44	5
2600N 5050W	1.0	33	38	5	6	83	10
2600N 5100W	.4	22	19	5	4	54	5
2600N 5150W	.9	1	30	10	5	71	10
2600N 5200W	.6	5	24	10	1	57	10
2600N 5250W	.5	2	23	7	4	55	5
2600N 5300W	.8	26	23	13	6	110	5

COMPANY: BEMA INDUSTRIES
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(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-1640/P8+9
 * TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
2600N 5350W	1.3	32	40	8	5	108	5
2600N 5400W	.3	15	16	6	3	51	5
2600N 5450W	1.0	31	32	3	3	78	10
2600N 5500W	1.2	31	31	16	8	116	5
2600N 5550W	.5	1	21	9	1	44	5
2600N 5600W	.5	1	20	9	2	46	5
2600N 5650W	.7	2	22	11	1	53	5
2600N 5700W	.8	6	18	10	1	60	5
2600N 5750W	1.4	29	36	12	7	87	600
2600N 5800W	.9	25	20	5	5	75	10
2600N 5850W	.9	8	37	9	5	76	10
2600N 5900W	.8	3	24	6	5	73	5
2600N 5950W	.8	28	22	4	5	91	5
2600N 6000W	.7	2	16	7	4	45	5
2600N 6050W	.7	6	24	5	1	52	5
2600N 6100W	.7	5	24	8	1	59	5
2600N 6150W	.7	35	27	13	6	90	5
2600N 6200W	.7	7	14	13	1	58	5
2600N 6250W	.9	6	18	11	1	55	5
2600N 6300W	.9	5	20	15	1	59	5
2600N 6350W	.8	9	17	10	1	46	10
2600N 6400W	.9	1	19	13	1	55	5
2600N 6450W	.6	13	15	14	1	46	2800
2600N 6500W	.8	8	15	16	1	40	5
2600N 6550W	.7	11	11	12	2	42	15
2600N 6600W	.9	9	15	14	2	52	5
2600N 6650W	.8	13	15	11	1	49	5
2600N 6700W	.9	16	15	17	2	46	5
2600N 6750W	.8	12	12	13	1	41	5
2600N 6800W	.8	8	12	14	2	39	5
2600N 6850W	.6	4	12	17	2	49	5
2600N 6900W	.3	1	20	12	1	62	10
2600N 6950W	1.1	2	40	18	4	80	5
2600N 7000W	1.1	1	40	12	4	83	5
2600N 7050W	1.0	1	37	11	3	80	10
2600N 7100W	1.0	10	17	10	1	48	20
2600N 7150W	.6	1	11	11	1	48	5
2600N 7200W	1.0	3	15	9	1	48	5
2600N 7250W	.7	14	15	13	1	46	10
2600N 7300W	.6	10	15	10	3	55	5
2600N 7350W	.5	5	12	8	3	44	5
2600N 7400W	.6	8	13	9	1	44	10
2600N 7450W	.7	3	20	11	1	54	5
2600N 7500W	.6	1	16	9	1	54	5
2600N 7550W	.6	1	15	10	1	55	5
2600N 7600W	.6	4	16	11	1	54	5
2600N 7650W	.4	1	11	11	2	33	10
2600N 7700W	.7	8	11	10	2	47	5
2600N 7750W	.8	3	19	8	1	84	10
2600N 7800W	.5	20	13	5	4	71	5
2600N 7850W	.8	21	19	6	1	70	10
2600N 7900W	.6	11	12	11	1	36	5
2600N 7950W	.7	1	13	8	1	81	5
2600N 8000W	.7	4	14	8	1	47	5
2800N 5000W	1.1	27	19	12	6	124	5
2800N 5050W	1.0	3	26	9	5	69	10
2800N 5100W	.9	8	21	11	5	61	5
2800N 5150W	1.1	1	27	11	1	75	10
2800N 5200W	.8	2	21	5	1	79	10
2800N 5250W	.5	3	15	7	4	58	5

COMPANY: BEMA INDUSTRIES

PROJECT NO: 87 24 E

ATTENTION: B. KAHLERT/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: 7-1640/P10+11

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
2800N 5300W	.4	9	15	14	1	69	5
2800N 5350W	.4	9	13	10	3	63	10
2800N 5400W	.5	5	14	12	1	62	5
2800N 5450W	.9	5	18	14	4	54	5
2800N 5500W	.5	6	15	9	1	82	5
2800N 5550W	1.0	27	37	8	6	105	10
2800N 5600W	.8	1	24	7	4	107	5
2800N 5650W	.8	4	17	8	1	58	5
2800N 5700W	.7	2	19	11	4	56	5
2800N 5750W	.7	4	17	9	1	58	5
2800N 5800W	.7	5	19	6	4	63	5
2800N 5850W	1.1	31	42	5	6	113	10
2800N 5900W	1.0	1	22	7	1	80	5
2800N 5950W	.7	4	21	9	1	51	5
2800N 6000W	.5	8	17	12	1	39	60
2800N 6050W	.6	8	25	12	2	47	5
2800N 6100W	.4	9	19	11	1	42	5
2800N 6150W	.7	7	17	8	4	44	10
2800N 6200W	.6	2	17	9	1	50	5
2800N 6250W	.9	1	25	12	1	87	5
2800N 6300W	1.0	29	26	8	5	98	5
2800N 6350W	.5	8	13	9	2	49	5
2800N 6400W	.5	6	13	9	1	41	5
2800N 6450W	.5	11	16	9	1	50	5
2800N 6500W	.4	12	12	9	1	35	10
2800N 6550W	.5	5	17	10	1	54	5
2800N 6600W	.7	10	15	10	1	46	5
2800N 6650W	.8	3	16	11	1	60	5
2800N 6700W	.7	12	13	10	1	41	10
2800N 6750W	.7	6	15	13	2	45	5
2800N 6800W	.6	9	17	11	3	68	5
2800N 6850W	.7	10	21	11	4	57	5
2800N 6950W	.9	6	24	15	3	74	5
2800N 7000W	1.0	26	21	5	5	111	5
2800N 7050W	1.5	33	75	7	6	98	5
2800N 7100W	.8	5	18	11	2	77	10
2800N 7150W	1.1	1	21	8	1	98	5
2800N 7200W	1.2	10	22	19	1	58	5
2800N 7250W	1.1	7	19	11	1	57	5
2800N 7300W	1.0	1	20	12	1	63	5
2800N 7350W	1.2	8	15	11	1	59	10
2800N 7400W	1.0	7	23	14	4	63	5
2800N 7450W	.9	3	17	13	1	49	5
2800N 7500W	1.1	9	19	10	1	52	5
2800N 7550W	1.0	7	19	14	1	49	5
2800N 7600W	.9	10	17	13	1	62	5
2800N 7650W	.9	10	14	15	1	56	15
2800N 7700W	1.2	2	25	13	5	58	5
2800N 7750W	1.0	6	15	10	1	55	5
2800N 7800W	.8	14	13	13	1	50	5
2800N 7850W	.9	1	21	12	1	65	5
2800N 7900W	1.1	3	34	10	5	76	10
2800N 7950W	.6	20	18	9	4	63	10
2800N 8000W	.7	25	18	8	5	87	5
3000N 5050W	1.0	25	21	4	6	91	5
3000N 5100W	1.1	30	28	9	5	86	5
3000N 5150W	.8	27	45	8	4	74	5
3000N 5200W	1.0	34	25	14	6	138	5
3000N 5250W	.6	23	19	16	5	82	5
3000N 5350W	.4	1	15	11	4	68	5

COMPANY: BENA INDUSTRIES

PROJECT NO: 87 24 E

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/P12+13

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
3000N 5400W	.6	16	15	10	3	71	5
3000N 5450W	.6	20	17	6	3	73	5
3000N 5500W	.6	2	14	11	3	51	15
3000N 5550W	1.1	3	27	11	5	79	10
3000N 5600W	1.1	3	21	15	3	68	5
3000N 5650W	1.1	33	39	13	4	116	5
3000N 5700W	.7	1	19	10	3	44	10
3000N 5750W	.9	1	19	10	3	65	5
3000N 5800W	1.3	1	36	6	6	79	5
3000N 5850W	1.1	2	32	7	5	81	5
3000N 5900W	.9	3	28	9	1	65	5
3000N 5950W	.9	3	27	13	1	51	5
3000N 6000W	.7	24	32	9	3	68	5
3000N 6050W	1.0	1	33	9	1	66	10
3000N 6100W	1.3	27	33	12	6	89	5
3000N 6150W	.9	7	37	4	6	76	5
3000N 6200W	.7	1	25	11	5	71	5
3000N 6250W	.8	6	22	8	1	64	5
3000N 6300W	1.0	4	28	10	1	70	10
3000N 6350W	1.2	9	16	16	1	48	5
3000N 6400W	1.1	10	14	12	1	49	5
3000N 6450W	1.0	10	16	12	1	52	5
3000N 6500W	1.1	1	19	12	1	60	20
3000N 6550W	.6	12	15	12	1	45	5
3000N 6600W	1.3	14	46	15	5	62	10
3000N 6650W	1.0	9	16	17	1	50	5
3000N 6700W	1.0	8	14	15	1	47	5
3000N 6750W	.7	6	15	15	1	56	5
3000N 6800W	.8	5	12	12	1	48	5
3000N 6850W	.7	1	12	10	1	46	5
3000N 6900W	1.0	15	21	12	2	77	5
3000N 6950W	.9	16	75	7	6	86	5
3000N 7000W	.8	14	17	13	2	77	10
3000N 7050W	.8	18	22	13	2	61	5
3000N 7100W	.9	1	20	17	3	65	5
3000N 7150W	.8	1	18	12	3	66	5
3000N 7200W	1.0	2	15	17	3	87	5
3000N 7250W	1.1	1	34	18	2	53	5
3000N 7400W	1.1	1	16	11	4	71	5
3000N 7450W	.9	15	15	11	3	90	10
3000N 7500W	.9	15	16	11	2	57	5
3000N 7550W	.7	14	17	8	2	139	5
3000N 7600W	.7	16	16	11	3	61	15
3000N 7650W	.8	14	16	9	3	79	5
3000N 7700W	.7	11	16	8	3	91	5
3000N 7750W	1.2	3	16	18	4	81	5
3000N 7800W	1.1	1	19	11	4	51	5
3000N 7850W	.9	5	15	9	1	52	5
3000N 7900W	.8	17	16	13	2	64	5
3000N 7950W	1.0	1	20	15	1	62	5
3000N 8000W	.6	5	13	10	1	43	5
3200N 5000W	1.0	22	28	10	2	73	10
3200N 5050W	.6	16	19	12	2	49	5
3200N 5100W	.7	1	18	9	3	63	5
3200N 5150W	.5	10	16	11	3	48	5
3200N 5200W	1.1	1	17	11	3	63	5
3200N 5250W	1.1	1	21	17	3	73	5
3200N 5300W	.8	2	19	12	3	42	5
3200N 5350W	1.0	24	30	13	3	75	5
3200N 5400W	.9	18	23	10	2	71	5

COMPANY: BEMA INDUSTRIES
PROJECT NO: 87 24 E

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

(ACT:F31) PAGE 1 OF 1
FILE NO: 7-1640/P14+15

ATTENTION: B.KAHLERT/B.FRASER

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

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
3200N 5450W	.5	19	17	15	1	63	5
3200N 5500W	.4	3	12	10	2	46	5
3200N 5550W	1.1	16	30	11	2	71	10
3200N 5600W	.8	16	16	15	3	55	5
3200N 5650W	.7	1	15	12	3	49	5
3200N 5700W	1.0	21	24	15	3	72	5
3200N 5750W	1.0	19	22	15	2	67	5
3200N 5800W	.9	15	38	8	1	86	5
3200N 5850W	1.2	13	36	9	7	92	5
3200N 5900W	1.0	17	25	6	1	80	5
3200N 5950W	.7	16	15	11	3	66	10
3200N 6000W	.8	16	19	14	3	52	5
3200N 6050W	.7	1	19	10	3	50	5
3200N 6100W	.8	1	21	12	2	43	5
3200N 6150W	.8	1	20	11	3	40	5
3200N 6200W	.9	1	19	11	3	54	5
3200N 6250W	.8	1	18	21	2	46	10
3200N 6300W	.8	5	16	15	2	43	5
3200N 6350W	1.1	1	48	17	4	62	5
3200N 6400W	.7	19	35	14	1	51	5
3200N 6450W	1.0	5	39	17	3	54	55
3200N 6500W	.7	1	22	14	3	56	10
3200N 6550W	.6	4	13	15	2	50	5
3200N 6600W	.7	2	11	13	1	48	5
3200N 6650W	.8	1	29	12	2	54	5
3200N 6700W 40M	.5	17	40	12	2	49	5
3200N 6750W	.8	22	54	11	2	75	10
3200N 6800W	1.3	24	61	15	2	118	5
3200N 6850W	.5	16	30	12	2	59	300
3200N 6900W	.3	1	17	15	2	51	5
3200N 6950W	.9	1	26	16	2	64	5
3200N 7000W	.8	4	16	12	2	79	5
3200N 7050W	.9	12	27	20	1	79	5
3200N 7100W 40M	.5	1	46	10	1	51	10
3200N 7150W 40M	.6	1	42	17	1	54	5
3200N 7200W 40M	.6	19	50	13	1	54	5
3200N 7250W	1.0	20	66	12	5	81	5
3200N 7300W	.8	12	21	13	2	76	5
3200N 7350W	1.1	21	53	14	2	89	5
3200N 7400W	.9	19	26	13	2	62	5
3200N 7550W	.8	9	18	9	2	71	10
3200N 7600W	.6	15	16	7	2	69	5
3200N 7650W	.8	14	18	11	2	62	5
3200N 7700W	.7	1	15	16	1	47	5
3200N 7750W	.8	16	15	10	3	60	5
3200N 7800W	.8	1	15	12	3	49	5
3200N 7850W	.8	1	15	15	3	50	10
3200N 7900W	.6	13	16	14	2	64	5
3200N 7950W	1.0	4	35	13	3	49	5
3200N 8000W	.4	1	12	13	2	54	5
3400N 5000W	.9	17	23	14	2	67	5
3400N 5050W 40M	1.2	27	36	14	2	91	5
3400N 5100W	.7	17	20	12	1	61	5
3400N 5150W 20M	1.2	15	37	4	6	71	10
3400N 5200W	.8	1	21	13	2	61	5
3400N 5250W	1.2	15	39	12	2	96	5
3400N 5300W	1.4	16	46	14	3	103	5
3400N 5350W	1.2	19	35	18	2	90	5
3400N 5400W	1.0	18	27	21	3	87	5
3400N 5450W 40M	1.3	23	40	16	2	104	10

COMPANY: BEMA INDUSTRIES
PROJECT NO: 87 24 E

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

(ACT:F31) PAGE 1 OF 1
FILE NO: 7-1640/P16+17

ATTENTION: B. KAHLERT/B. FRASER

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

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AS	AS	CU	PB	SB	ZN	AU-PPB
3400N 5500W	.6	1	13	11	1	54	5
3400N 5550W	.8	10	30	15	1	73	5
3400N 5600W	1.3	15	61	5	1	97	5
3400N 5650W	1.1	19	23	11	1	55	10
3400N 5700W	.9	16	60	3	8	94	5
3400N 5750W	1.1	18	20	12	3	74	5
3400N 5800W	1.0	19	18	14	2	63	5
3400N 5850W	1.3	18	22	19	2	81	5
3400N 5900W	.6	15	18	9	2	41	10
3400N 5950W	1.2	1	19	11	3	55	5
3400N 6000W	1.2	17	19	17	2	57	5
3400N 6050W	1.3	12	41	14	1	80	10
3400N 6100W	1.1	19	22	13	3	76	10
3400N 6150W	1.5	15	52	12	2	111	5
3400N 6200W	1.1	14	21	11	2	63	5
3400N 6250W	1.3	16	22	14	4	67	10
3400N 6300W	1.2	15	20	13	3	65	5
3400N 6350W	1.2	15	21	16	3	54	5
3400N 6400W	1.1	3	22	14	4	55	10
3400N 6450W	1.1	1	16	14	3	48	5
3400N 6500W	1.3	5	16	19	1	48	10
3400N 6550W	1.1	19	18	12	3	55	5
3400N 6600W	.9	1	17	10	2	54	5
3400N 6650W	1.1	1	16	16	3	57	5
3400N 6700W	1.1	4	17	13	3	53	5
3400N 6750W	.5	16	35	12	1	72	10
3400N 6850W 40M	.4	5	27	16	2	28	5
3400N 6900W	1.0	19	37	13	2	75	5
3400N 6950W	.2	1	18	17	2	56	5
3400N 7000W	.5	1	22	15	2	63	5
3400N 7050W	1.5	31	92	7	1	131	5
3400N 7100W	.4	9	18	15	1	46	5
3400N 7150W	1.0	14	19	6	2	108	10
3400N 7200W	.8	8	17	11	1	49	5
3400N 7250W	.7	13	13	14	2	76	20
3400N 7300W	.7	13	20	6	1	79	5
3400N 7350W	.6	10	33	12	3	55	5
3400N 7400W	.9	1	56	11	1	70	5
3400N 7450W	1.6	32	75	13	1	111	5
3400N 7500W	.9	13	43	8	4	70	5
3400N 7550W	.6	16	18	6	1	85	10
3400N 7600W	.8	14	26	12	1	48	5
3400N 7650W	.4	4	15	5	3	56	5
3400N 7700W	.7	11	17	9	1	55	5
3400N 7750W	1.2	17	26	7	1	104	10
3400N 7800W	1.0	19	19	7	2	97	5
3400N 7850W	.8	8	14	7	3	65	5
3400N 7900W	1.0	18	20	12	2	76	5
3400N 7950W	.8	13	19	9	2	59	5
3400N 8000W	.8	14	23	17	1	68	5
3800N 5000W	1.2	16	22	14	1	74	10
3800N 5050W	1.4	19	22	15	2	70	5
3800N 5100W	.8	12	44	10	6	75	5
3800N 5150W	1.1	27	38	6	8	114	5
3800N 5200W	1.2	27	48	13	9	122	10
3800N 5250W	1.4	12	19	12	4	86	5
3800N 5300W	1.1	12	18	16	3	71	5
3800N 5350W	.8	14	20	10	2	88	5
3800N 5400W	.6	8	12	13	2	48	5
3800N 5450W	.5	14	17	10	1	52	5

COMPANY: BEMA INDUSTRIES
 PROJECT NO: 87 24 E

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-1640/P18+19

ATTENTION: D. KAHLERT/D. FRASER

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

* TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
3800N 5500W	1.8	23	34	25	2	99	5
3800N 5550W	1.1	19	21	12	2	72	5
3800N 5600W	1.1	22	23	10	1	77	10
3800N 5650W	1.3	14	17	14	1	59	10
3800N 5700W	1.5	17	24	20	1	65	5
3800N 5750W	1.0	13	19	17	1	75	5
3800N 5800W	.3	5	16	4	1	48	5
3800N 5850W	.7	8	23	11	4	62	5
3800N 5900W	1.2	14	29	7	5	88	5
3800N 5950W	.9	17	22	11	4	61	20
3800N 6000W	1.0	10	31	15	4	54	5
3800N 6050W	1.0	14	21	14	2	56	10
3800N 6100W	1.0	27	61	6	4	63	5
3800N 6150W	1.3	22	30	14	4	68	10
3800N 6200W	.8	13	19	12	1	38	5
3800N 6250W	1.3	1	20	18	2	47	5
3800N 6300W	1.4	4	17	14	3	38	5
3800N 6350W	1.1	13	22	8	2	47	5
3800N 6400W	1.0	16	19	15	2	44	10
3800N 6450W	.9	11	20	12	1	46	5
3800N 6500W	.6	11	17	8	3	35	5
3800N 6550W	1.3	1	16	14	1	32	10
3800N 6600W	1.1	13	21	12	1	40	5
3800N 6650W	1.2	17	25	14	2	51	5
3800N 6700W	1.6	1	23	17	3	56	5
3800N 6750W	.7	10	15	12	1	35	5
3800N 6800W	1.5	2	18	17	4	41	10
3800N 6850W	1.4	15	16	13	3	54	5
3800N 6900W	.8	1	17	16	1	43	5
3800N 6950W	1.2	1	17	14	1	40	5
3800N 7000W	1.4	29	59	21	2	93	5
3800N 7050W	1.2	16	28	18	2	74	10
3800N 7100W	.9	13	23	16	2	64	5
3800N 7700W	.8	12	23	11	1	49	5
3800N 7750W	.8	10	24	14	2	47	5
3800N 7800W	.7	3	45	17	1	29	5
3800N 7850W	.4	9	12	8	1	43	10
3800N 7900W	.6	12	21	10	1	46	5
3800N 7950W	.8	17	21	10	1	54	5
3800N 8000W	.7	10	16	12	2	48	5
4000N 5000W	1.4	21	25	12	1	65	5
4000N 5050W	.8	14	16	14	2	40	5
4000N 5100W	1.2	14	20	11	2	84	5
4000N 5150W	1.3	1	21	17	3	54	5
4000N 5200W	.8	11	19	10	1	52	10
4000N 5250W	.7	12	21	10	1	55	5
4000N 5300W	1.2	1	18	14	4	53	5
4000N 5350W	1.3	1	27	15	3	59	10
4000N 5400W	1.2	23	21	14	2	67	5
4000N 5450W	1.2	1	21	16	2	78	5
4000N 5500W	1.1	18	24	11	2	61	5
4000N 5550W	.8	17	27	10	5	98	10
4000N 5600W	1.5	18	30	17	3	104	5
4000N 5650W	1.1	19	19	9	3	100	5
4000N 5700W	.8	17	24	13	3	67	5
4000N 5750W	.4	8	32	11	2	50	5
4000N 5800W	1.1	18	72	7	1	64	10
4000N 5850W	.8	18	25	11	1	69	5
4000N 5950W	.5	15	17	11	1	67	5
4000N 6000W	1.6	17	29	17	2	104	5

COMPANY: BEMA INDUSTRIES
 PROJECT NO: 87 24 E
 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/P20+21
 * TYPE SOIL GEOCHEM * DATE: NOV 1, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
4000N 6050W	1.1	19	24	16	2	77	5
4000N 6100W	.8	14	19	15	1	59	10
4000N 6150W	.6	15	18	8	5	91	5
4000N 6200W	.8	12	18	12	1	48	5
4000N 6250W	.8	13	15	12	1	48	5
4000N 6300W	.7	12	14	15	1	42	5
4000N 6350W	.7	13	17	14	1	46	10
4000N 6400W	1.0	1	20	12	2	61	5
4000N 6450W	.6	10	18	12	3	36	20
4000N 6500W	.6	14	19	12	1	43	5
4000N 6550W	1.0	14	17	12	2	45	5
4000N 6600W	1.1	16	19	14	2	55	5
4000N 6650W	1.5	24	117	3	9	111	5
4000N 6700W	1.1	18	24	12	1	54	5
4000N 6750W	1.0	15	30	13	1	58	5
4000N 6800W	1.1	17	33	13	1	63	10
4000N 6850W	1.0	16	25	11	1	59	5
4000N 6900W	1.0	9	16	11	1	44	5
4000N 6950W	1.0	11	12	15	1	32	10
4000N 7000W	.8	11	13	12	1	35	5
4000N 7050W	.8	13	23	8	1	67	5
4000N 7100W	.9	10	16	12	1	65	5
4000N 7150W	1.0	13	14	9	2	65	5
4000N 7200W	.8	12	13	11	2	43	5
4000N 7250W	.7	12	13	7	2	54	5
4000N 7300W	.9	15	15	12	3	48	5
4000N 7350W	.8	1	16	10	1	50	10
4000N 7400W	.8	9	14	10	3	39	5
4000N 7450W	.9	13	18	8	1	72	5
4000N 7500W	.9	19	21	11	2	135	5
4000N 7550W	.7	4	17	6	2	63	5
4000N 7600W	.8	7	15	8	4	81	10
4000N 7650W	.8	12	15	9	3	74	10
4000N 7700W	1.1	13	23	6	1	112	5
4000N 7750W	.8	9	17	8	1	63	5
4000N 7800W	.9	15	27	11	1	67	10
4000N 7850W	.7	12	15	11	1	59	5
4000N 7900W	.8	14	24	9	1	92	5
4000N 7950W	1.0	15	21	8	1	71	10
4000N 8000W	1.0	16	20	12	1	70	100
L3200N-7450W	.9	16	19	13	1	66	40

COMPANY: BEMA INDUSTRIES

MIN-EM LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 87 24 E

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

FILE NO: 7-17029/P16

ATTENTION: B. KAHLERT/B. FRASER

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

* TYPE SOIL GEOCHEM * DATE: NOV 3, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
3800N 7200W	.6	3	16	16	3	50	5
3800N 7250W	.4	18	16	11	2	79	5
3800N 7300W	.8	9	17	16	3	67	5
3800N 7350W	.7	4	18	17	3	55	5
3800N 7400W	1.2	10	19	22	1	57	10
3800N 7450W	.7	10	18	15	1	34	5
3800N 7500W	.8	12	15	16	4	59	5
3800N 7550W	.9	1	15	24	1	44	5
3800N 7600W	.7	4	14	17	3	99	10
3800N 7650W	1.8	13	34	35	2	46	5

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_3 and HClO_4 mixture.

After pretreatments the samples are digested with Acqua 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).

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
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 HNO₃ and HClO₄ 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 formatted by routing computer dotline print out.

WOODJAM PROPERTY ROCK DESCRIPTIONS

Sample	Type	Location	Description
	(float)		
	(subcrop)		
	(outcrop)		
E39 051	f	195 m down middle ck from claim line, Wood 1	Pyritic tuff
E39 052	f	1095 m.....	Pyritic cherty tuff, trace horn?
E39 053	f	1795 m.....	Tuff, 2% py, 1% po
E39 054	o	1369 m N of LCP - WOOD 1,2 on claim line	F. gd. syen?, felted 2ry bio-kspar matrix, tr cpy
E39 055	f	253 m. down ck from Post 1N-3E, Wood 3	Sheared, cherty tuff, ep, 2% py
E39 127	f	Anomalous N. Creek Wood 1	Rounded carbonate cobble, trace py, musc on frags

APPENDIX III

WOODJAM PROPERTY ROCK GEOCHEM
 (Values in ppm except for Au (pph))

Sample	Ag	As	B	Ba	Cu	K	Na	Ni	Pb	Sb	V	Zn	Au
E39 051	1.5	15	25	224	27	700	720	3	51	5	44.0	112	9
E39 052	2.7	1	24	97	44	5210	550	67	17	4	120.5	82	4
E39 053	2.3	7	21	32	201	980	550	42	7	3	103.4	26	8
E39 054	2.5	10	39	75	140	580	310	13	24	5	163.2	170	6
E39 055	0.7	4	7	57	26	2730	220	9	20	3	15.7	44	3
E39 127	0.4	2	1	17	16	1260	570	2	14	1	3.9	1	2

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
Sb	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
Sb	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

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

Zinc Distribution for Soil Geochem (from 4234 analyses)

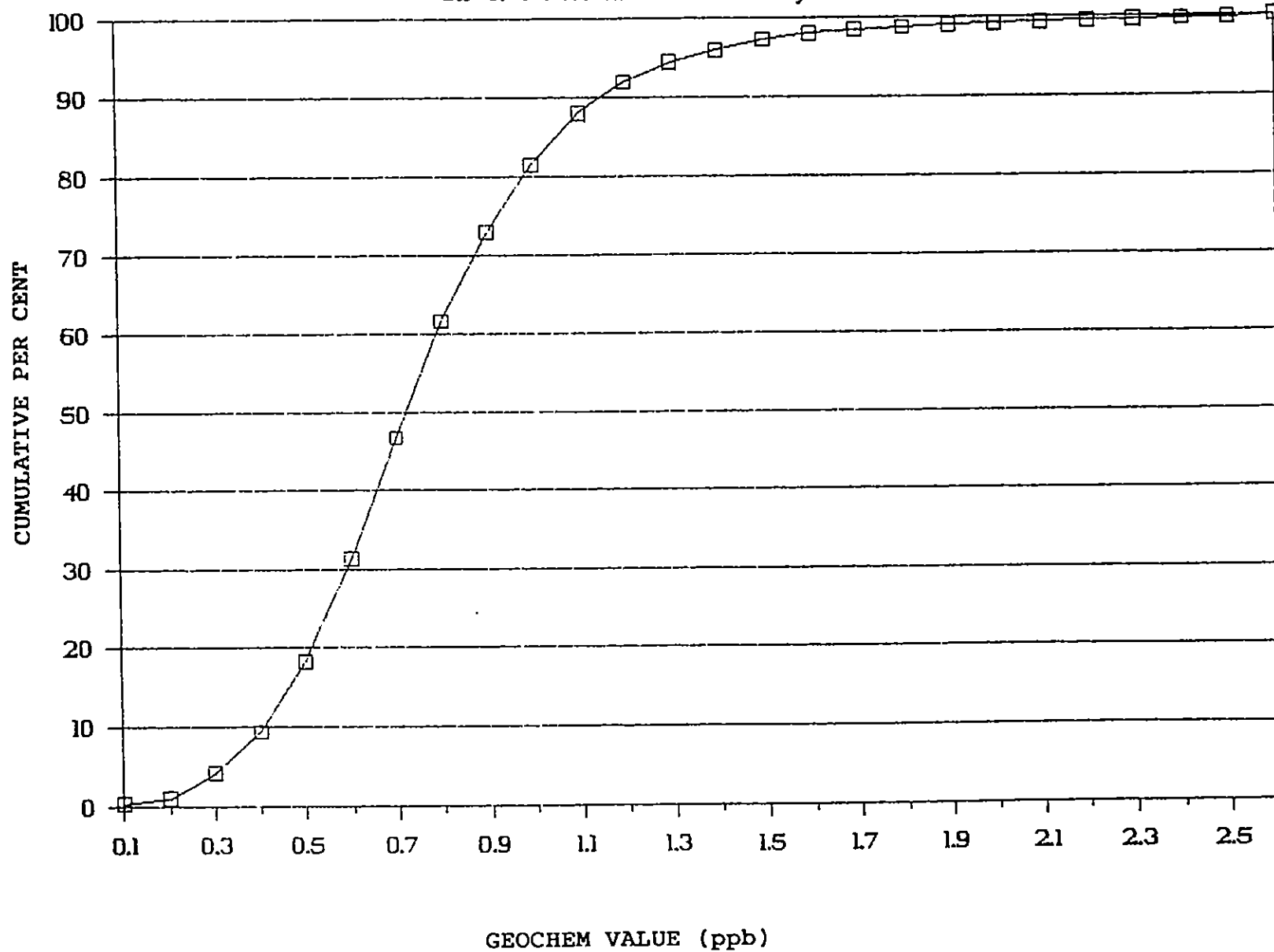
From	To	Freq.	Cum.	Cum. %
0	10	14	14	0.3
10	20	27	41	1.0
20	30	36	77	1.8
30	40	112	189	4.5
40	50	420	609	14.4
50	60	529	1138	26.9
60	70	570	1708	40.3
70	80	543	2251	53.2
80	90	426	2677	63.2
90	100	376	3053	72.1
100	110	268	3321	78.4
110	120	258	3579	84.5
120	130	151	3730	88.1
130	140	128	3858	91.1
140	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

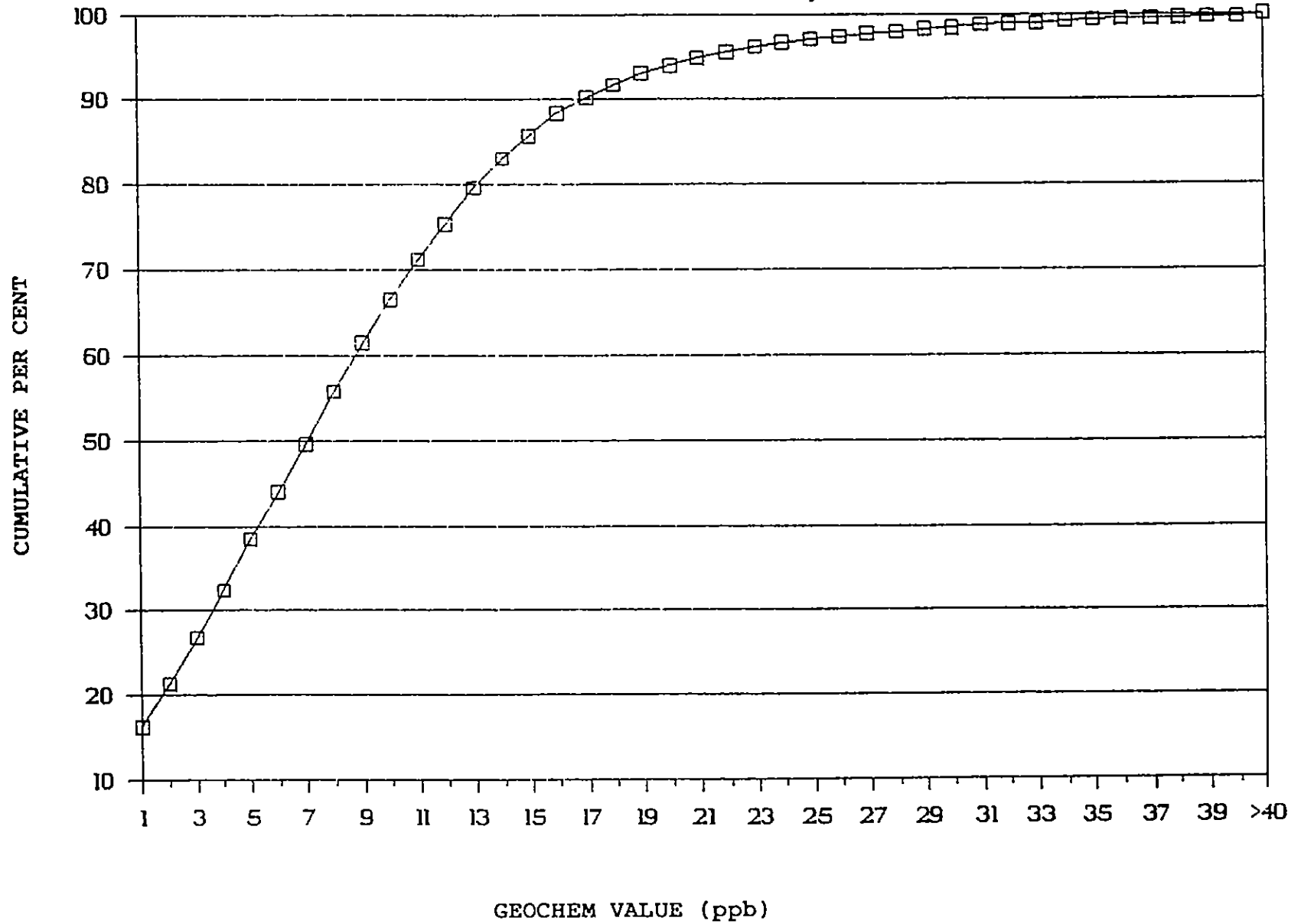
Quesnel Project Soil Geochem

Silver Distribution (4234 analyses)



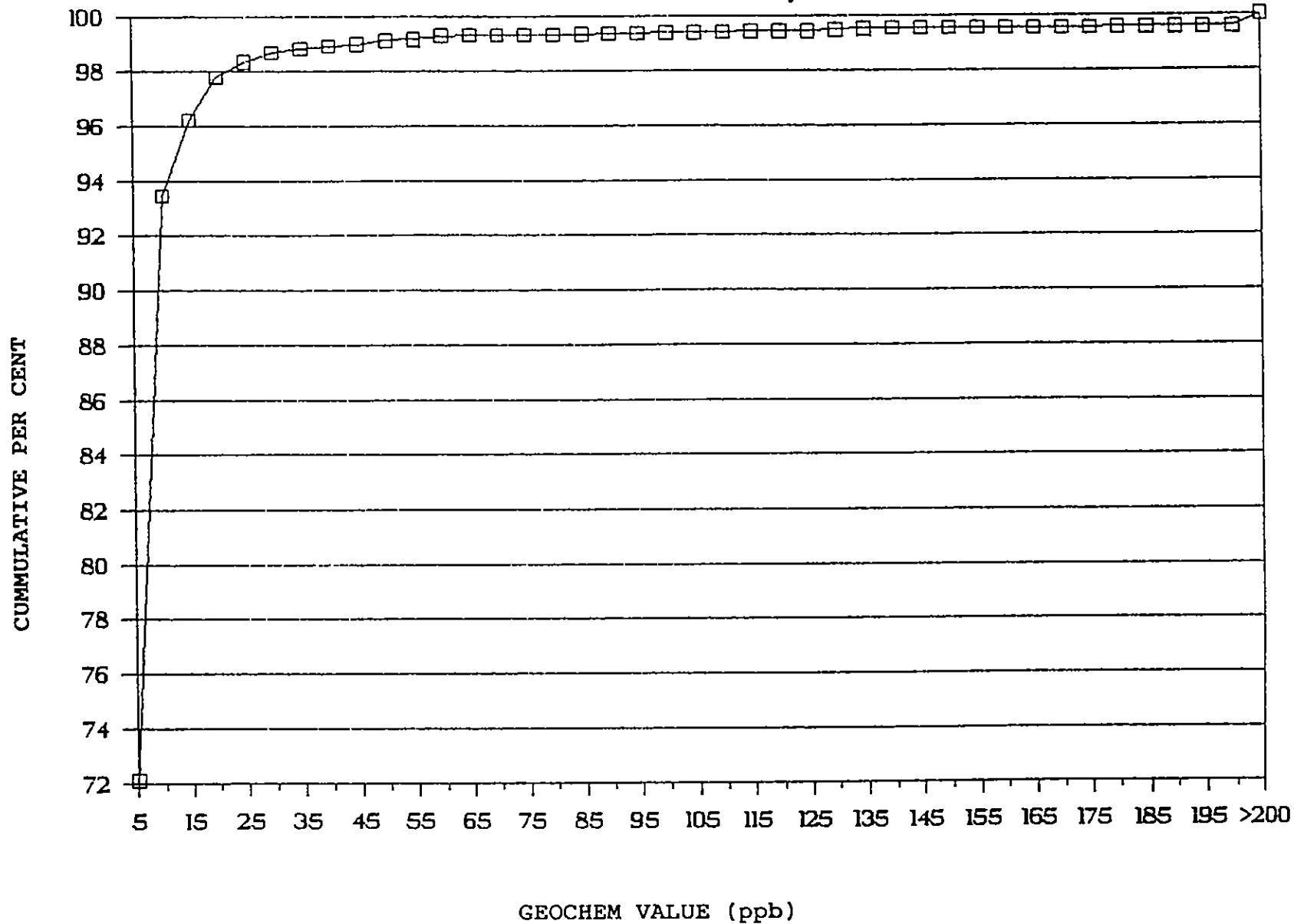
Quesnel Project Soil Geochem

Arsenic Distribution (4234 analyses)



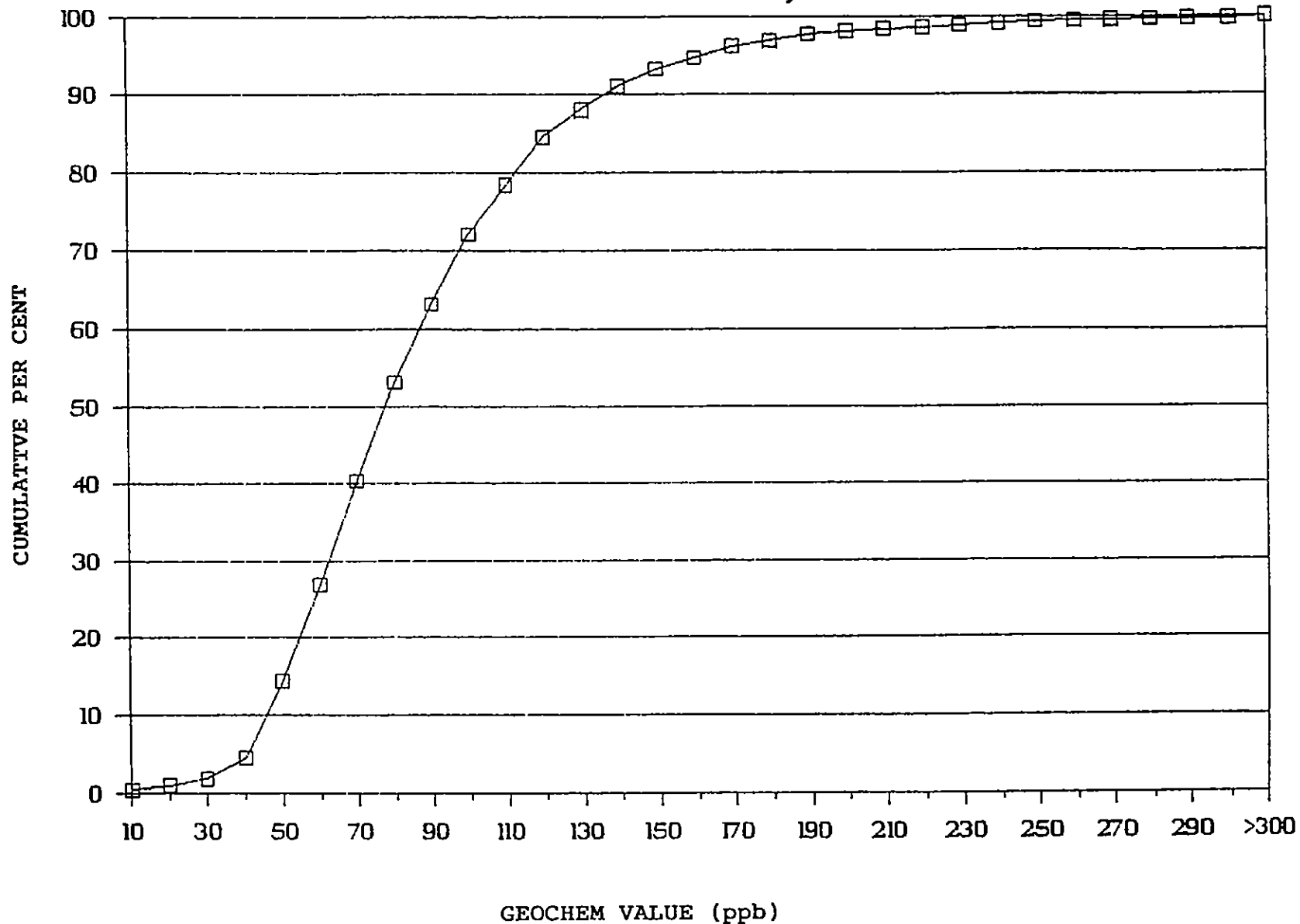
Quesnel Project Soil Geochem

Gold Distribution (4234 analyses)



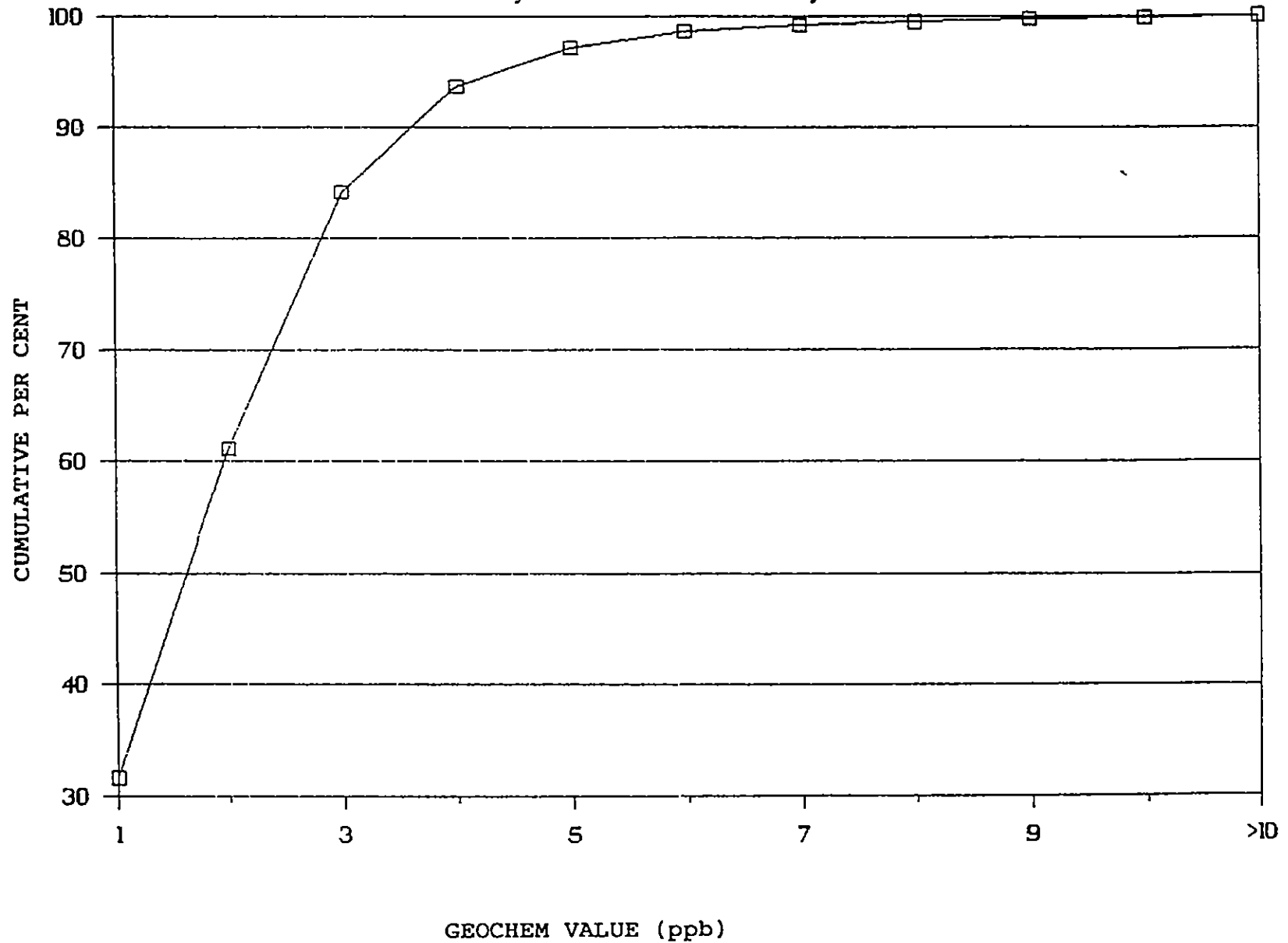
Quesnel Project Soil Geochem

Zinc Distribution (4234 analyses)



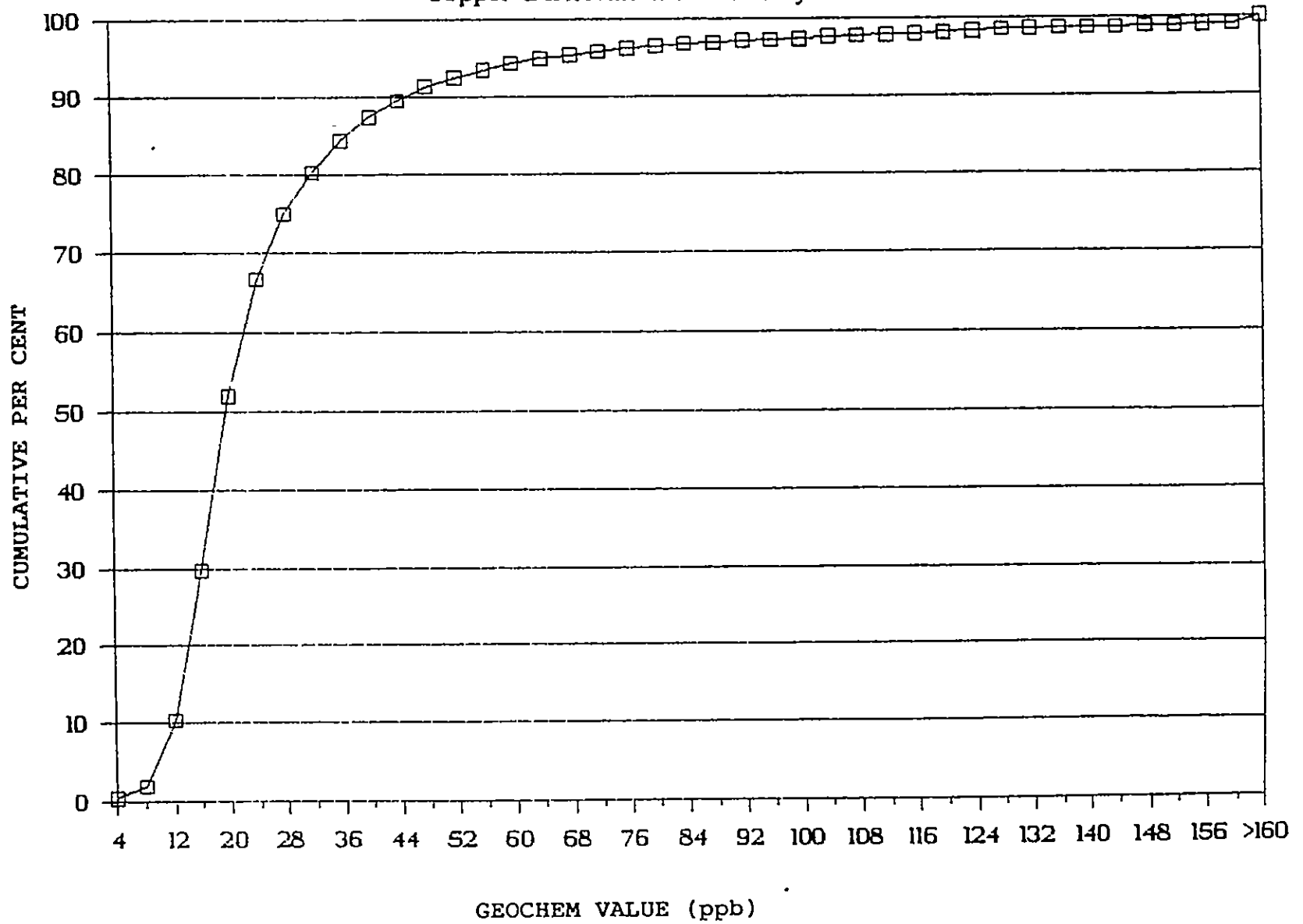
Quesnel Project Soil Geochem

Antimony Distribution (4234 analyses)



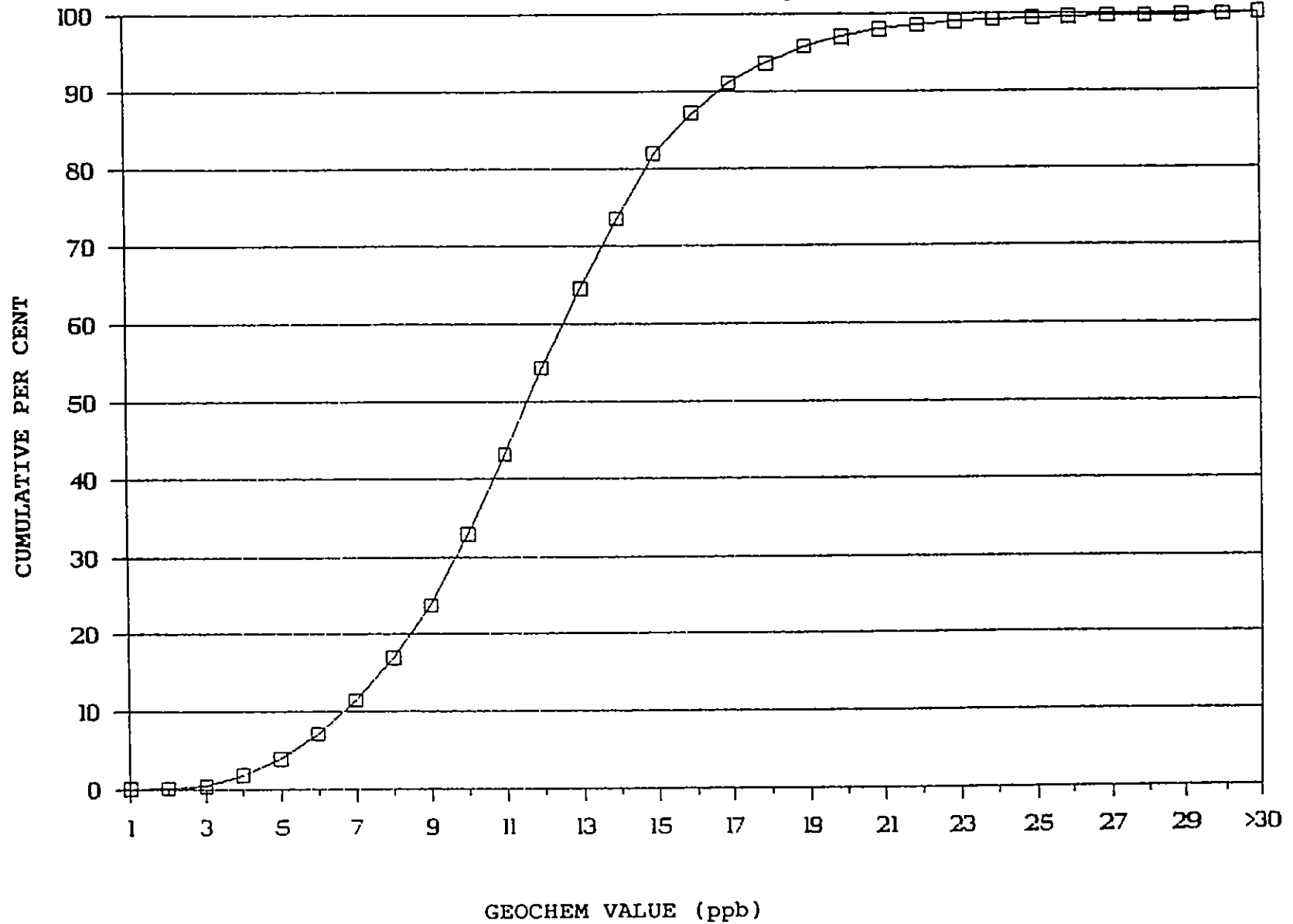
Quesnel Project Soil Geochem

Copper Distribution (4234 analyses)



Quesnel Project Soil Geochem

Lead Distribution (4234 analyses)



APPENDIX V
Circle Resources Ltd.
Statement of Costs

Wood 1 - 3 Claims
Cariboo Mining Division

Gridding (34 km @ \$1.00)		\$ 3,400
Soil Sample Collection (531 @ \$5.50)		2,921
Labour		
Geologist (5 days @ \$225)	1,125	
Field Assistant (1 days @ \$125)	125	
Prospector (9 days @ \$225)	<u>1,925</u>	
Accommodation (9 days @ \$50)		450
Geochemical Analyses		
Soils (531 @ \$10)	5,310	
Rocks (12 @ \$15)	<u>90</u>	
		5,400
Field Supplies	100	
Truck Rental (4 days @ \$100)	400	
Drafting	210	
Transportation (excluding truck rental)	282	
Report Preparation (3 days @ \$350)	<u>1,050</u>	
Total Costs		\$16,138

APPENDIX VI

Major Suppliers of Goods and Services for Quesnel Project

Supplier

Service

Aurum Geological Consultants
604 - 675 West Hastings Street
Vancouver, B.C. V6B 1N2
(604) 683-9656

Geologist
Field Assistant

C.J.L. Enterprises Ltd.
Box 666
Smithers, B.C. V0J 2N0
(604) 847-3612

Prospector

Bill Chase and Associates Ltd.
1585 - 130th Street
White Rock, B.C. V4A 3Z6
(604) 536-2936

Soil Crew

Pacific Northwest Geotech Ltd.
2246 Sifton Avenue
Kamloops, B.C.
(604) 374-3237 (Kamloops)
(604) 689-3122 (Vancouver)

Proton Mag
Operator

Valhalla Motal
Box 4625
Quesnel, B.C. V2J 3J8
(604) 747-1111

Board

Campbell & Associates Ltd.
#8 - 84 Lonsdale Avenue
North Vancouver, B.C. V7M 2E6
(604) 985-4588

Petrology
Engineering
Reports

Rotortech Helicopters Ltd.
4189 - 104th Street
Delta, B.C. V4K 3N3
(604) 992-3242 (Quesnel)
(604) 591-7174 (Vancouver)

Helicopter
(Quesnel)

Northern Mountain Helicopters
P.O. Box 368
Prince George, B.C. V2L 4S2
(604) 992-3610 (Quesnel)
(604) 398-6322 (Williams Lake)

Helicopter
(Quesnel)

Min-En Laboratories
705 West 15th Street
North Vancouver, B.C. V7M 1T2
(604) 980-5814

Geochemical
Analyses,
Supplies

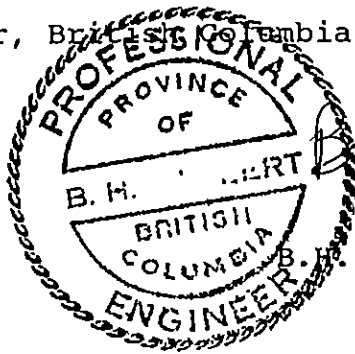
APPENDIX VII

STATEMENT OF QUALIFICATIONS

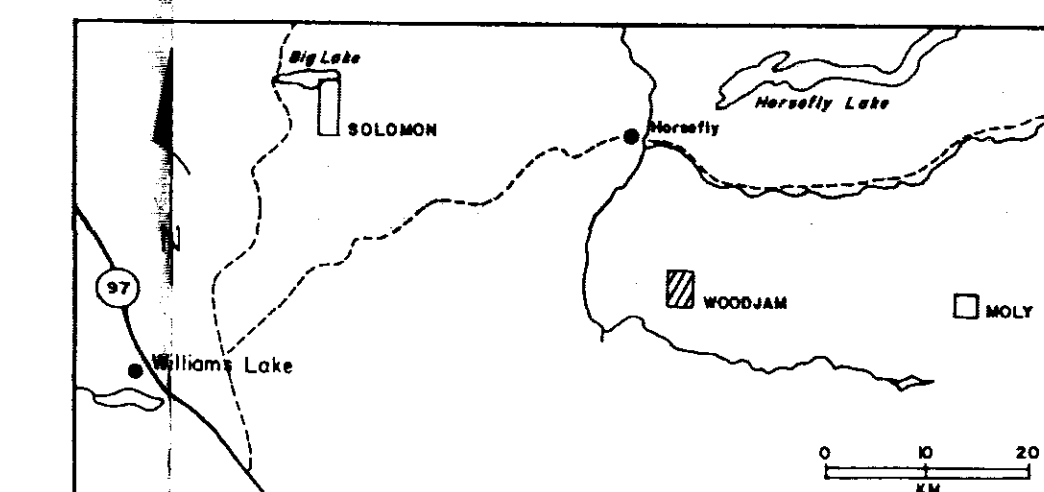
I, Bernard H. Kahlert, of the City of West Vancouver, in the Province of British Columbia do hereby certify that:

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.

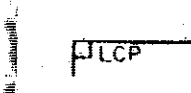
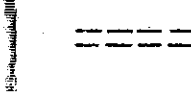



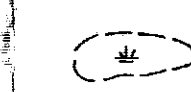
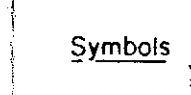
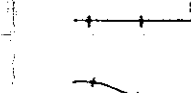



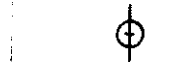

DATED at Vancouver, British Columbia, this 31st day of May, 1988.



B. H. Kahlert
B. H. Kahlert, P.Eng.



LEGEND

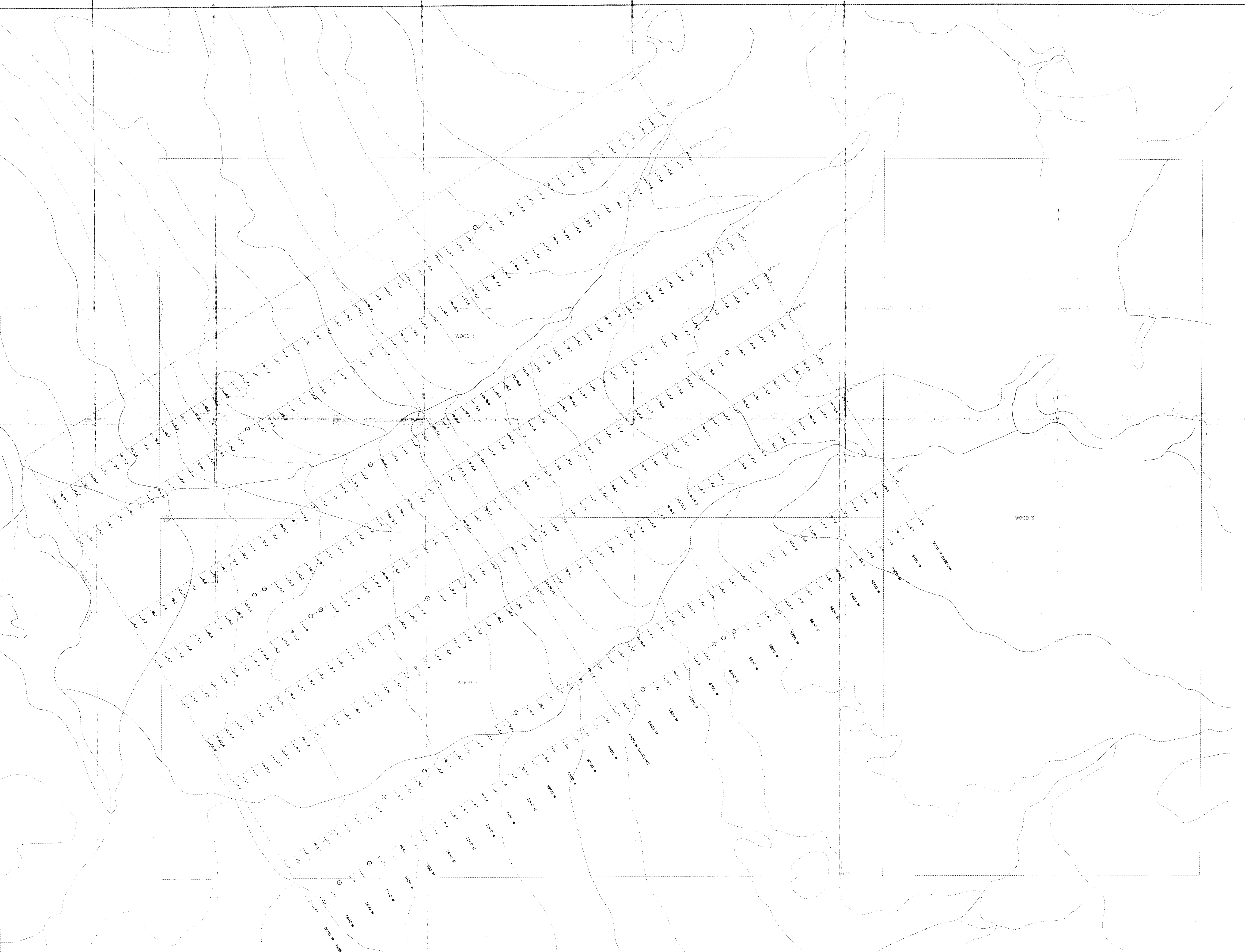
-  Legal corner post and claim boundary
-  Road
-  Four wheel drive track
-  Elevation contour in feet above sea level
-  Lake
-  Stream
-  Swamp or bog
- Symbols**
-  Soil sample sites, Au ppm, As ppm, Sb ppm
-  Silt sample sites
-  Rock sample site
-  Heavy mineral sample site
-  Recon soil sample site
-  Not sampled

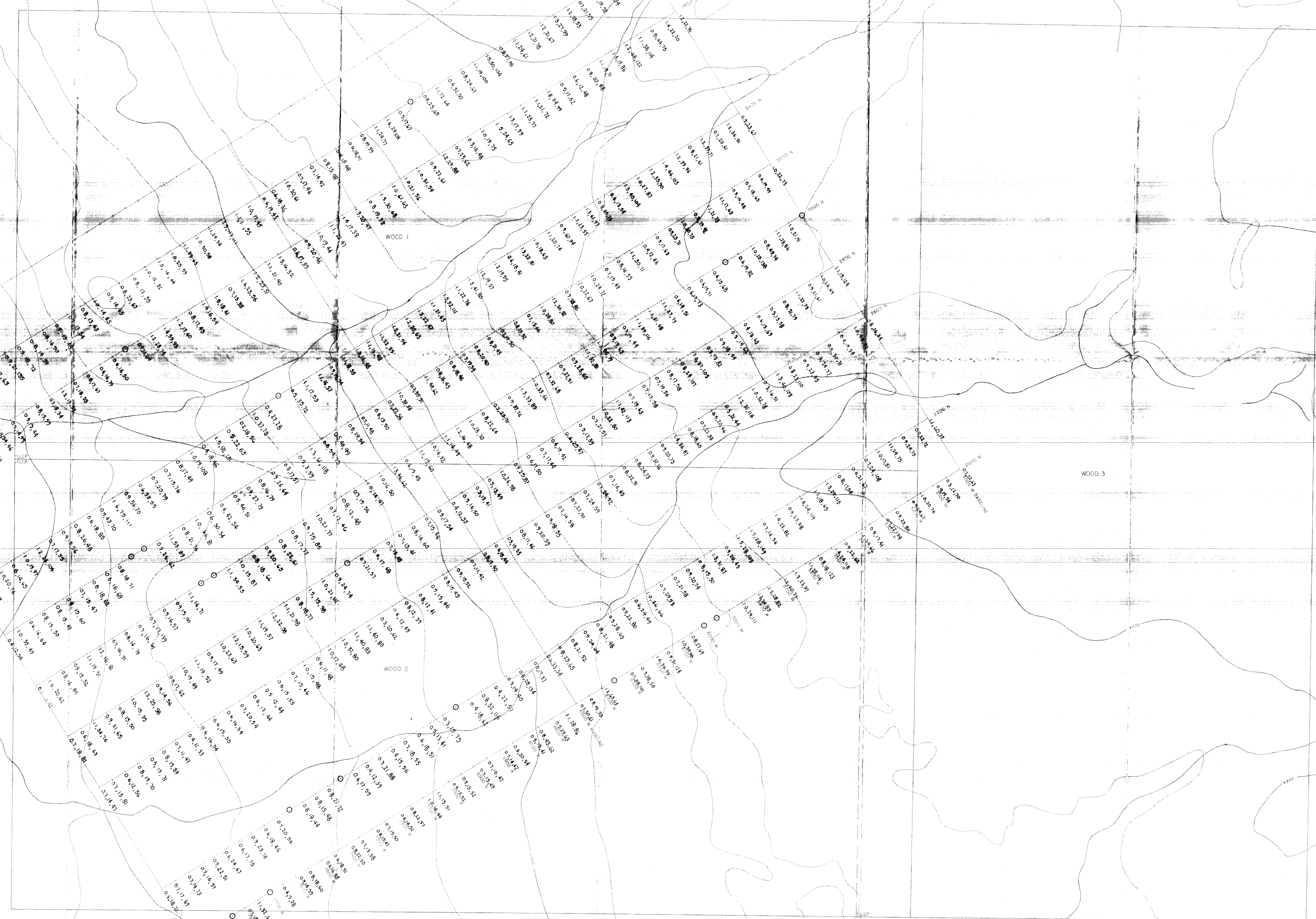
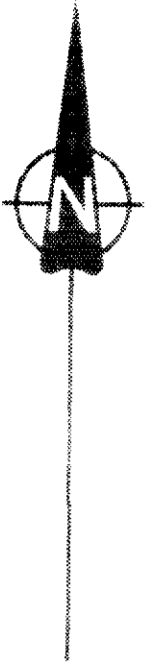
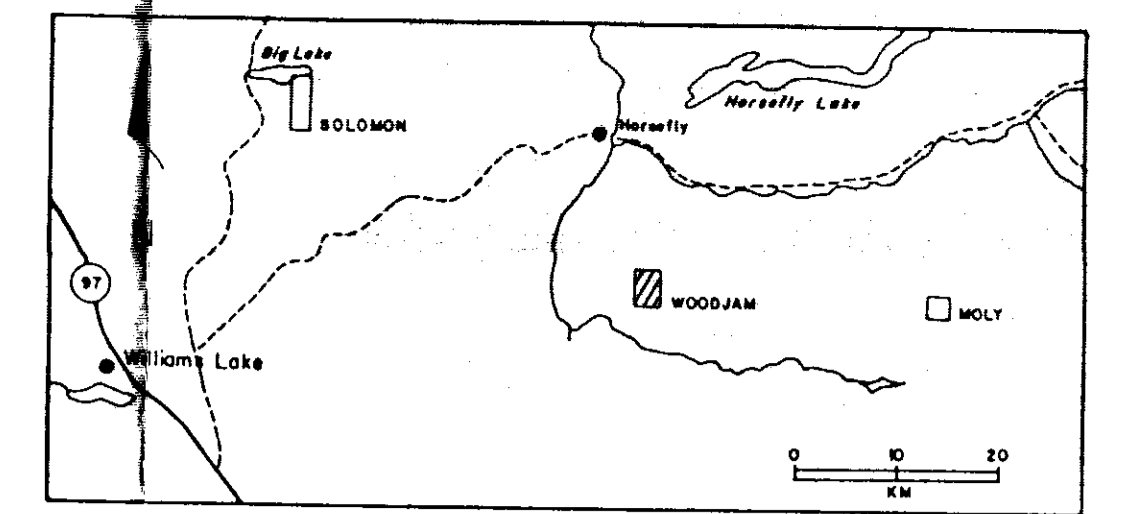
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,480

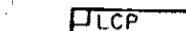


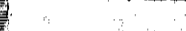


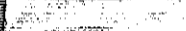








B.H. KAHLERT & ASSOC. LTD.		
QUESNEL PROJECT		
WOODJAM PROPERTY		
GEOCHEMISTRY (Gold, Arsenic, Antimony)		
DATE: NOVEMBER 1987	JOB NO: 8724	FIG. NO: E-1
DRAWN BY: B.F. J.P.	SCALE: 1:5000	
CIRCLE RESOURCES LTD.		





LEGEND

-  Legal corner post and claim boundary
-  Road
-  Four wheel drive track
-  Elevation contour in feet above sea level
-  Lake
-  Stream
-  Swamp or bog
- Symbols**
-  Soil sample sites, Ag ppm, Cu ppm, Zn ppm
-  Silt sample sites
-  Rock sample sites
-  Heavy mineral sample site
-  Recce soil sample site
-  Not sampled

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
17,480

BH. KAHLERT & ASSOC. LTD.		
QUESNEL PROJECT		
WOODJAM PROPERTY		
GEOCHEMISTRY (Silver, Copper, Zinc)		
DATE: 10/28/88	JOB NO: 8724	FIG. NO: E-2
DRAWN BY: J/pc	SCALE: 1:5000	
REVISED BY:		
CIRCLE RESOURCES LTD.		