

A REPORT ON A GEOCHEMICAL SURVEY
OF THE KNEIL CLAIMS



Watson Lake Mining Division
Yukon Territory



N.T.S. 105-H-4

Latitude: 61°07'N

Longitude: 129°50'W

G. A. Jilson

CYPRUS ANVIL MINING CORPORATION

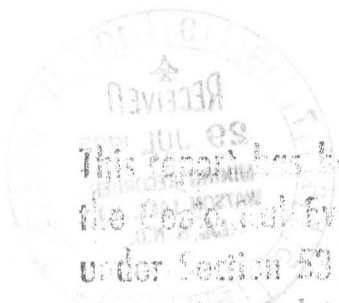
June, 1982

091067




A REPORT ON A GEOLOGICAL SURVEY

IN THE TERRITORY



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 7,100 -

for 
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

1-16-807 6733

Exploration and
Geological Services

1-16-807 6733

YUKON TERRITORY

1-16-807 6733

00100



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	Margaret I. Parker	Occupation	Agent
(Postal Address)	300-355 Burrard Street, Vancouver, B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

KNEIL 1-16 - YA66651-YA66666

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at W. of Tuchitua River Claim Sheet No. 105-H-4
 in the Watson Lake Mining District, to the value of at least \$1,600.00
 dollars, since the 31st day of July 81

to represent the following mineral claims under the authority of Grouping Certificate No. 3264
 (Here list claims to be renewed by number and name in numerical order)

- | | | |
|-------|----|------------------|
| KNEIL | 5 | YA66655 - 2 yrs. |
| | 6 | YA66656 - 2 yrs. |
| | 7 | YA66657 - 2 yrs. |
| | 8 | YA66658 - 2 yrs. |
| | 9 | YA66659 - 2 yrs. |
| | 10 | YA66660 - 2 yrs. |
| | 11 | YA66661 - 2 yrs. |
| | 12 | YA66662 - 2 yrs. |

GROUP #1

- The following is a detailed statement of such work: (Set out full particulars of the work done

in the twelve months in which such work is required to be done, as shown by Section 53.)
 Geochem Survey conducted on this property during the period Aug. 1- Aug. 4, 1981
 Samples are located at Acme Analytical Labs in Vancouver.

- Salaries & Wages - 16 man days @\$55/day	880.00
- Camp Costs - 16 man days @\$25/day	400.00
- Helicopter support - 2 hrs.40 min. @\$345/hr. as per invoices	920.00
- Geochem Analysis-Acme Analytical Labs - as per invoice attach.	4,359.50
	<u>6,559.50</u>
- Administration - 10% (See attached)	656.00
	<u>\$7,215.50</u>
RECORD WORK: 8 clms. x 2 yrs. @\$100/cl/yr.	1,600.00
Value of work remaining for further recording	<u>\$5,615.50</u>

Sworn before me at Vancouver, B.C.
 this 25 day of June 19 82

CYPRUS ANVIL MINING CORPORATION

Margaret I. Parker
 Agent

Applicant

Charles H. Wills
 Notary Public in and for the
 Province of British Columbia.

091067



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

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(Postal Address)	300-355 Burrard Street, Vancouver, B.C.		

OFFICE DATE STAMP

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- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

KNEIL 17-32 - YA66667-YA66682

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at W. of Tutchitua River Claim Sheet No. 105-H-4
 in the Watson Lake Mining District, to the value of at least \$1,900.00
 dollars, since the 31st day of July 19 81

to represent the following mineral claims under the authority of Grouping Certificate No. 3265
 (Here list claims to be renewed by number and name in numerical order)

- | | | |
|-------|----|------------------|
| KNEIL | 21 | YA66671 - 2 yrs. |
| | 22 | YA66672 - 3 yrs. |
| | 23 | YA66673 - 2 yrs. |
| | 24 | YA66674 - 3 yrs. |
| | 25 | YA66675 - 2 yrs. |
| | 26 | YA66676 - 3 yrs. |
| | 27 | YA66677 - 2 yrs. |
| | 28 | YA66678 - 2 yrs. |

GROUP #2

- The following is a detailed statement of such work: (Set out full particulars of the work done

in the twelve months in which such work is required to be done, as shown by Section 53.)
 Geochem Survey conducted on this property during the period Aug. 1 - Aug. 4, 1981
 Samples are located at Acme Analytical Labs in Vancouver.

- Salaries & Wages - 16 man days @\$55/day	880.00	
- Camp Costs - 16 man days @\$25/day	400.00	
- Helicopter support - 2 hrs.40 min. @\$345/hr. as per invoices	920.00	
- Geochem Analysis - Acme Analytical Labs. as per invoice attach.	4,359.50	
	<u>6,559.50</u>	
- Administration - 10% (see attached)	656.00	7,215.
Work used to record Group #1		1,600.
RECORD WORK: 5 clms. x 2 yrs. @\$100/cl/yr.	1,000.00	
3 clms. x 3 yrs. @\$100/cl/yr.	900.00	1,900.
Value of work remaining for further recording		<u>\$3,715.</u>

Sworn before me at Vancouver, B.C.
 this 25 day of June 19 82

Charles H. Wills

Notary Public in and for the Province of British Columbia.

CYPRUS ANVIL MINING CORPORATION

Margaret I. Parker
 Agent ~~Applicant~~



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

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I (Name)	Margaret I. Parker	Occupation	Agent
(Postal Address)	300-355 Burrard Street, Vancouver, B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY THAT :-

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)
KNEIL - 33-48 - YA66683-YA66698

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at W. of Tutchitua River Claim Sheet No. 105-H-4
 in the Watson Lake Mining District, to the value of at least \$2,200.00
 dollars, since the 31st day of July 1981

to represent the following mineral claims under the authority of Grouping Certificate No. 3266
 (Here list claims to be renewed by number and name in numerical order)

KNEIL	37	YA66687 - 3 yrs.
	38	YA66688 - 3 yrs.
	39	YA66689 - 3 yrs.
	40	YA66690 - 3 yrs.
	41	YA66691 - 3 yrs.
	42	YA66692 - 3 yrs.
	43	YA66693 - 2 yrs.
	44	YA66694 - 2 yrs.

GROUP #3

- The following is a detailed statement of such work: (Set out full particulars of the work done

in the twelve months in which such work is required to be done, as shown by Section 53.)

Geochem Survey conducted on this property during the period Aug. 1 - Aug. 4, 1981
Samples are located at Acme Analytical Labs in Vancouver.

- Salaries & Wages - 16 man days @\$55/day	880.00	
- Camp Costs - 16 man days @\$25/day	400.00	
- Helicopter support - 2 hrs.40 min. @\$345/hr. as per invoices	920.00	
- Geochem Analysis - Acme Analytical Labs. as per invoice attach.	4,359.50	
	<u>6,559.50</u>	
- Administration - 10% (See attached)	656.00	\$7,215.50
Work used to record Groups 1-2		3,500.00
RECORD WORK: 2 clms. x 2 yrs. @\$100/cl/yr.	400.00	
6 clms. x 3 yrs. @\$100/cl/yr.	<u>1,800.00</u>	2,200.00
Value of work remaining for further recording		<u>\$1,515.50</u>

Sworn before me at Vancouver, B.C.
 this 25 day of June 1982

CYPRUS ANVIL MINING CORPORATION

Margaret I. Parker
 Agent Applicant

Charles H. Wiles

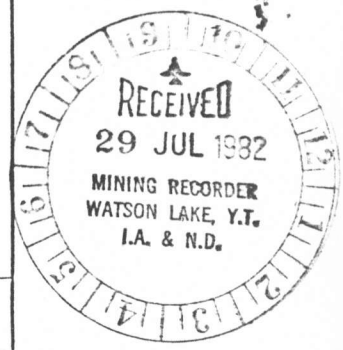
Notary Public in and for the Province of British Columbia.



Department of Indian Affairs and Northern Development
YUKON QUARTZ MINING ACT

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(Postal Address)	300-355 Burrard Street, Vancouver, B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

- I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
- I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

KNEIL 51-60 - YA66699-YA66708

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

situated at W. of Tuchitua River Claim Sheet No. 105-H-4
 in the Watson Lake Mining District, to the value of at least \$ 1,400.00
 dollars, since the 31st day of July 19 81
 to represent the following mineral claims under the authority of Grouping Certificate No. 3267
 (Here list claims to be renewed by number and name in numerical order)

KNEIL	51	YA66699 - 3 yrs.
	52	YA66700 - 2 yrs.
	53	YA66701 - 3 yrs.
	54	YA66702 - 2 yrs.
	55	YA66703 - 2 yrs.
	56	YA66704 - 2 yrs.

GROUP #4

- The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)
 Geochem Survey conducted on this property during the period Aug. 1 - Aug. 4, 1981.
 Samples are located at Acme Analytical Labs in Vancouver.

- Salaries & Wages - 16 man days @\$55/day	880.00	
- Camp Costs - 16 man days @\$25/day	400.00	
- Helicopter support - 2 hrs.40 min. @\$345/hr. as per invoices	920.00	
- Geochem Analysis - Acme Analytical Labs-as per invoice atch.	4,359.50	
	<u>6,559.50</u>	
- Administration - 10% (See attached)	656.00	\$7,215.50
Work used to record Groups 1-3		5,700.00
RECORD WORK: 4 clms. x 2 yrs. @\$100/cl/yr.	800.00	
2 clms. x 3 yrs. @\$100/cl/yr.	600.00	
Value of work remaining for further recording		<u>1,400.00</u>
		\$ 115.50

Sworn before me at Vancouver, B.C.
 this 25 day of June 19 82

CYPRUS ANVIL MINING CORPORATION

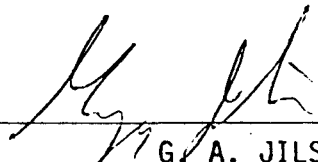
Margaret I. Parker
 Agent ~~Applicant~~

Charles H. Wills
 Notary Public in and for the
 Province of British Columbia.

AFFIDAVIT SUPPORTING SUMMARY OF COSTS


I, G. A. Jilson, Geologist, Cyprus Anvil Mining Corporation, of Vancouver, British Columbia, do hereby state that, to the best of my knowledge and belief, the statement of costs presented in this report (~~A Report On A Geochemical Survey On The Greggie Claims~~) is both correct and true. I am a member in good standing of the Geological Association of Canada.

*substitute for
statement of
qualifications
(from previous
report)*



G. A. JILSON

25 Oct 1980
(Date)



Notary Public in and for the
Province of British Columbia

091067

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Map No. 1	Copper in Soils
Map No. 2	Lead in Soils
Map No. 3	Zinc in Soils
Map No. 4	Geochem Survey, Ag, Ba, As, Hg, Au

SUMMARY

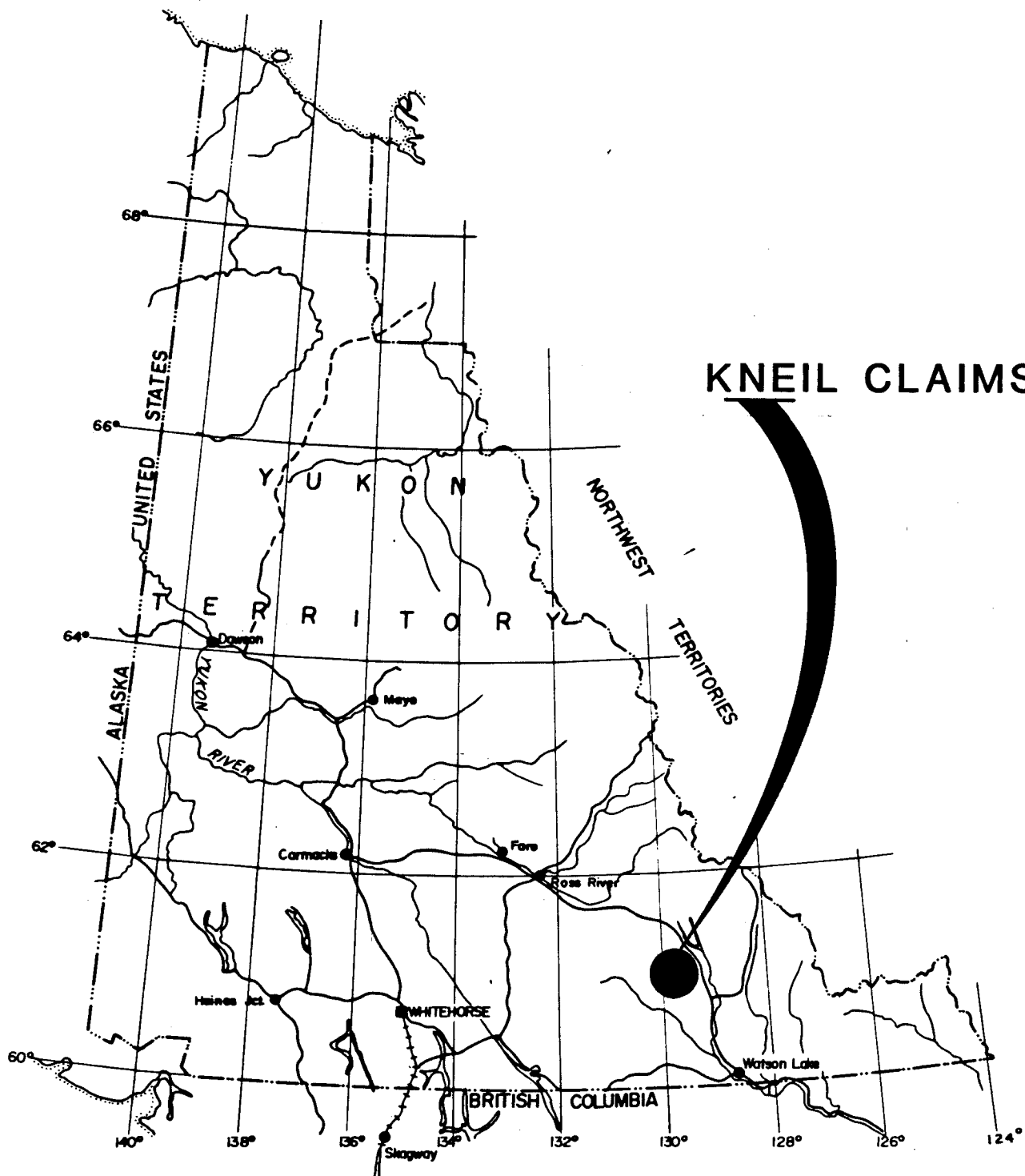
The 58 Kneil claims were staked in July, 1981 to cover small showings of stratiform, disseminated to nearly massive sulfides with a slight base metal content, hosted by a sequence of metasedimentary and lesser intermediate to felsic metavolcanic rocks. Only small Cu, Pb, Zn soil geochemical anomalies were found in the vicinity of known showings, suggesting that additional, near-surface mineralization is not likely. Due to the strong deformation of the host rocks and the nature of the mineralization, it is possible that more extensive buried sulfides could be found adjacent to known showings. More extensive geological and geophysical studies should be conducted to evaluate this possibility.

INTRODUCTION

During the 1981 field season, small base metal sulfide showings were discovered in the area of the Kneil claims during reconnaissance geological mapping. The area was staked in July, then covered by a soil geochemical survey which forms the substance of this report.

LOCATION AND ACCESS

The claims are located 125 kilometers north-northwest of Watson Lake or 35 kilometers west-northwest of Tuchtua Junction, the nearest outpost. The claims are on N.T.S. Sheet 105-H-4, the latitude and longitude of the center of the claim group is $61^{\circ}07'N$, $129^{\circ}50'W$. Access is most easily gained by helicopter from Watson Lake. Equipment can be moved to the property by fixed wing aircraft to a small lake 5 kilometers north of the claims or by truck to a point on the Campbell Highway 25 kilometers south of Money Creek, which is a 25 kilometer helicopter flight from the property.



KNEIL CLAIMS

**CYPRUS ANVIL MINING CORPORATION
LOCATION MAP**

**YUKON
SCALE · 1" = 100 MILES**

CLAIMS

The property consists of 58 full-sized mineral claims, duly registered with the Mining Recorder in Watson Lake.

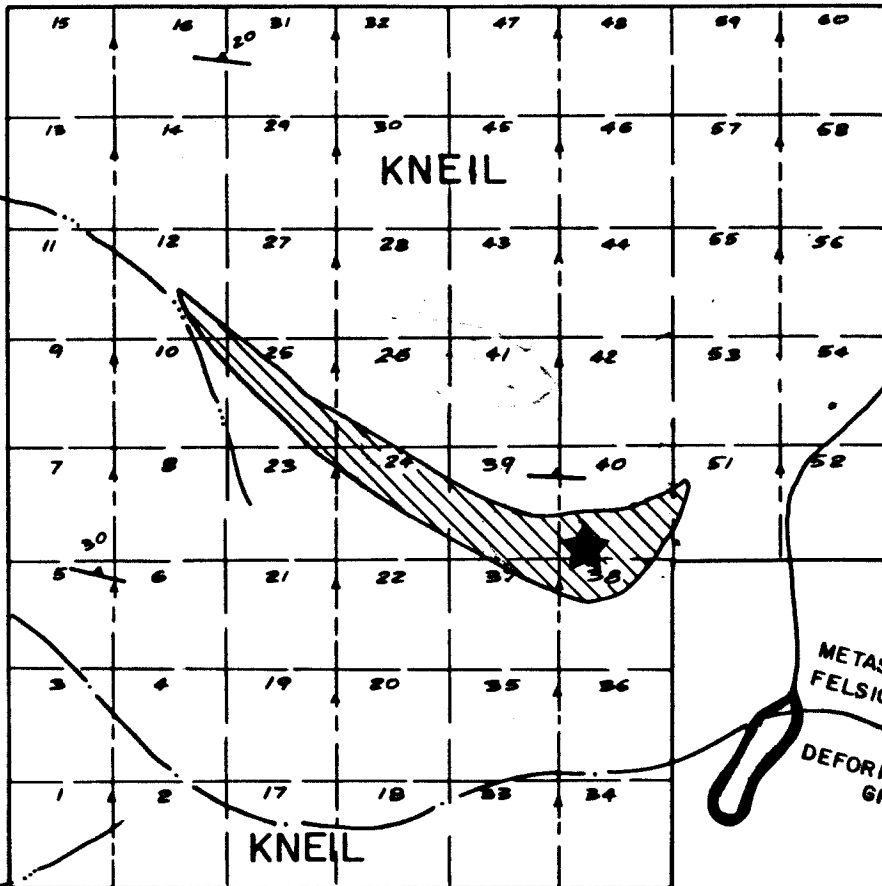
<u>Name</u>	<u>Grant No.</u>	<u>Record Date</u>	<u>Expiry Date</u>
Kneil 1 - 48	YA66651 - YA66698	July 31, 1981	July 31, 1982
Kneil 51 - 60	YA66699 - YA66708	July 31, 1981	July 31, 1982

This report is in support of an application for two years assessment on each of the following claims: 5 - 12 inclusive, 21, 27, 28, 43, 44, 52, 54 - 56 inclusive; and three years on 22, 24, 26, 37 - 42 inclusive, 51, 53.

GEOLOGY

The geology of the Kneil claims area has been examined briefly by the author and L. C. Pigage in 1979, during 1:125,000 scale regional mapping, and in more detail by J. Mortenson in 1981. Sufficiently detailed mapping has not yet been carried out.

Two major map units are present; one along the south edge of the claims is a strongly and pervasively foliated, deformed granodiorite pluton, probably Devonian, (Mortenson, personal communication), the other is a metasedimentary and metavolcanic complex, also highly strained and metamorphosed with strong foliation and extremely well-developed lineation.



METASEDIMENTS &
FELSIC METAVOLCANICS
DEFORMED DEVONIAN
GRANITE

LEGEND:



GEOCHEMICAL ANOMALY



COPPER-LEAD-ZINC SHOWING

CYPRUS ANVIL MINING CORPORATION

KNEIL CLAIMS

YUKON TERRITORY

SIMPLIFIED GEOLOGY MAP

NTS: 108-M-4
SURVEY BY: G.J.
DRAWN BY: P.W.K.

DATE: APR. 1982 FIGURE 2
SCALE 1" = 1/2 MILE

Known mineralization is hosted by the latter unit. Lithologies present are tan to creme colored, micaceous quartzite to siliceous phyllite and dark grey to black graphitic, siliceous phyllite. In places, the dark colored rocks have a noticeable clastic texture; however, the extreme deformation the rocks have experienced has obscured such textures in general, if they were originally common. Additional lesser, but important, interlayered lithologies are quartz phenocryst-bearing felsic metavolcanic rocks, quartz grits and metabasite. Mineralization is contained within the micaceous quartzites and consists of semi-massive to disseminated pyrite and pyrrhotite with lesser sphalerite, galena and chalcopyrite in a layer or pod a few feet thick, with unknown but limited lateral dimensions. The host rocks have a very pronounced lineation which is thought to be parallel to the long axis of the sulfide pod, thus the geometry of this deposit is presumed to be strongly governed by deformation.

The age of the host rocks is unknown but may be Paleozoic, older than nearby Mississippian and younger limestones and the granitic rocks. The granitic body and the felsic volcanics may be related, suggesting a mid-Paleozoic age.

METHODS AND PROCEDURES

Field Methods

Samples were collected from the B soil horizon every 50 meters along north-south flag lines spaced 200 meters apart. The samples were dug with a mattock and about 200 grams of soil placed in a wet strength kraft paper sample bag. The samples were air dried at the prevailing outside temperature.

Laboratory Methods

Samples were shipped to the Vancouver laboratory of Acme Analytical Laboratory Ltd. for analysis.

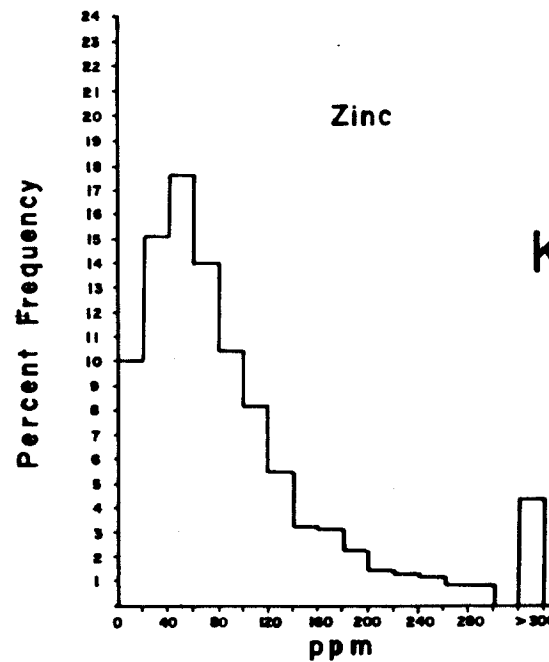
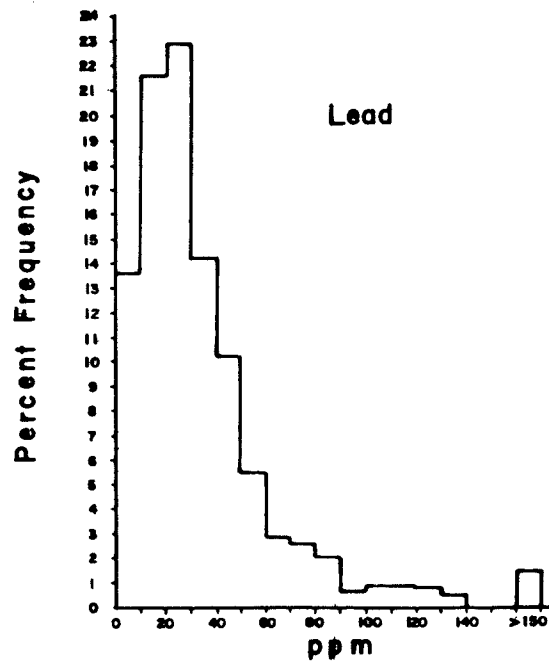
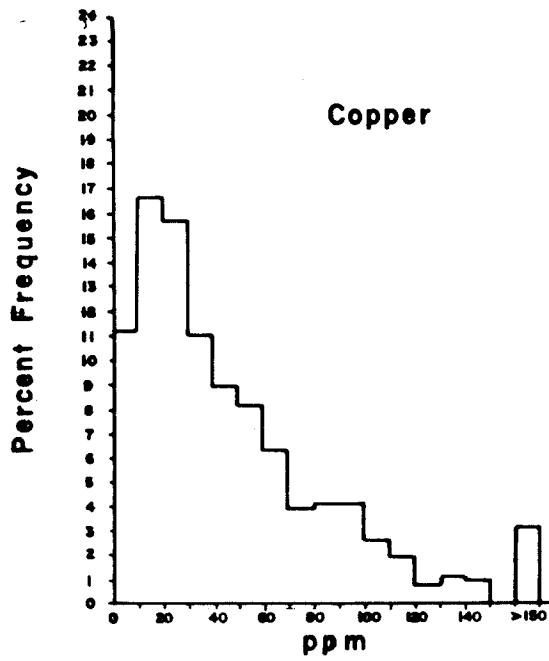
The samples were oven dried at 50°C, sieved to -80 mesh. A 0.2 gram subsample was digested in hot aqua regia and analysed by inductively coupled argon plasma spectrometry for Cu, Pb, Zn, Ag, Hg and As. For Ba analysis, digestion was by caustic EDTA, followed by AA. For Au analysis, digestion was by aqua regia but on a 10 gram subsample with AA follow-up.

Results

The results of the survey are plotted on Maps Nos. 1 to 4 and summarized in histogram form in Figure 3 and as a cumulative frequency diagram in Figure 4.

Copper

Copper values over 120 ppm should be considered anomalous, these values are spread diffusely over the southwestern portion of the property. Without the use of lead and zinc values, it is not immediately obvious where the one known showing is; however, in conjunction with the other elements, it is clear that there are three domains of weakly anomalous results which appear to have different explanations. The arcuate anomaly near 15N is caused by the known showing and direct dispersion from it. The higher values to the north and south of that anomaly appear to have different explanations due to different elemental associations. To the north, copper is



Kneil Claims

% Cumulative Frequency Diagram

ppm
metal

1000

700

500

400

300

200

150

100

90

80

70

60

50

40

30

20

10

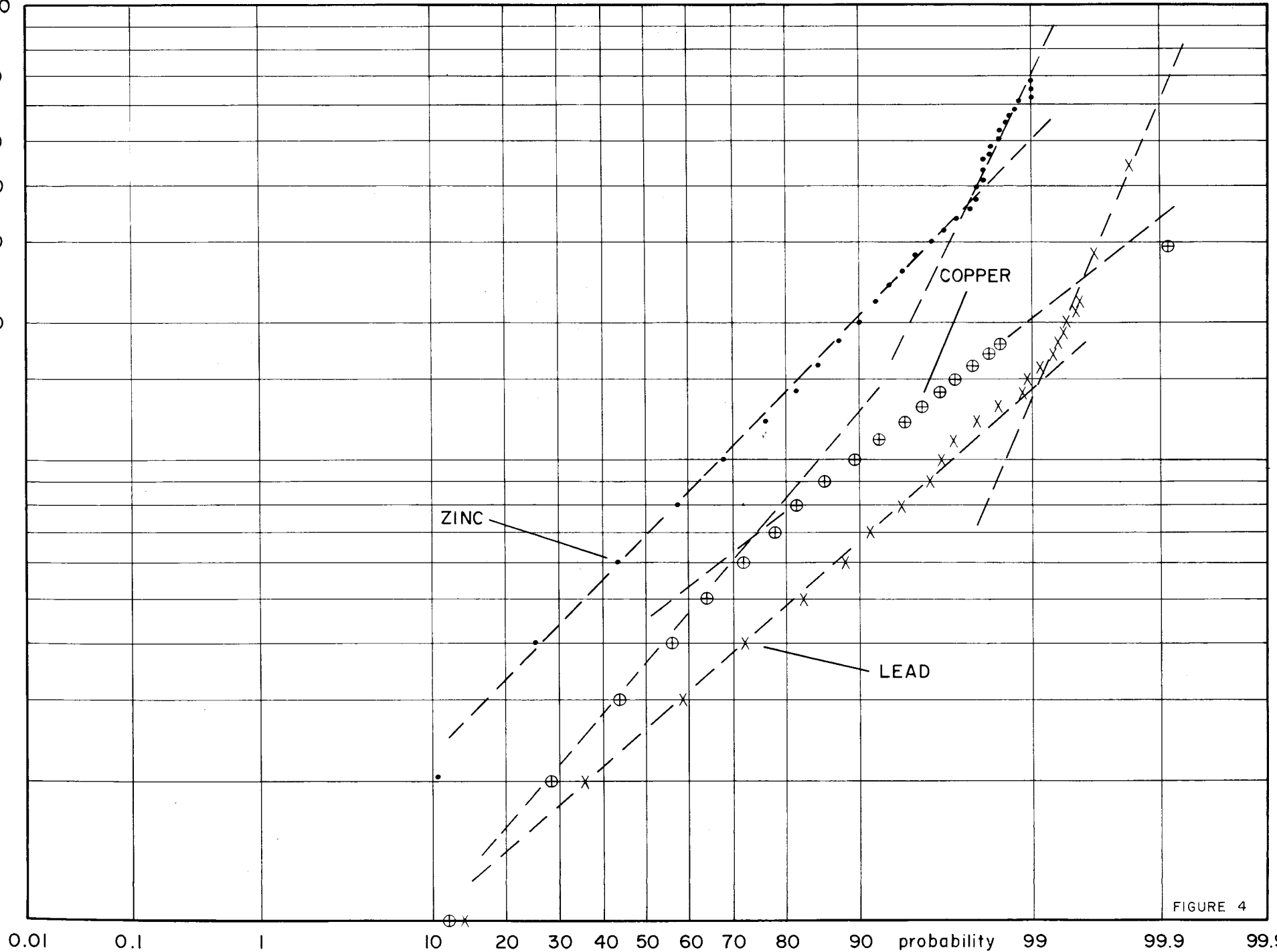


FIGURE 4

associated with zinc and the cause is probably high background copper and zinc from graphitic rocks which abound there. To the south, copper is associated with weakly anomalous gold. I tentatively suggest this may be due to footwall copper, gold enrichment beneath the stratiform sulfide lens near 15N.

Lead

Lead values over 100 ppm should be considered anomalous. Figure 4 shows that at 100 ppm the cumulative frequency plot ceases to be strongly linear and by 150 ppm a definite second population is evident. Most of these high lead results are found near the showing in a northerly concave arcuate anomaly. The concavity of the anomaly may be due to the shallow northward dip of layering interacting with topography. The anomaly is small and only locally intense, as one might expect from the nature of the known mineralization. Two additional areas of anomalous results are found at the northern and southern extremities of the property. The southern one is near the contact of the deformed granitoid rocks. This suite commonly is weakly anomalous in Pb, Zn and Ag on regional surveys, due to small Ag, Pb veins. It is tempting to suggest such veinlets may exist here.

The northern weak anomaly is unexplained but it is quite weak and lacks support from Cu or Zn.

Zinc

Zinc should be considered anomalous if above 300 ppm; Figure 4 shows that by 400 ppm a second anomalous population is well established.

The zinc anomalies are most pronounced near the known showing and north of it. The probable causes of these results have already been discussed.

Other Elements

Au, As, Hg, Ba and Ag values were determined on two lines, 4E and 17E; none of the values obtained is very high but some trends are apparent on line 17E. The sulfide lens is clearly higher in Ag and As, somewhat in Hg and Au, a slight enrichment in Ba appears to be present.

As noted previously, the footwall of the stratiform mineralization is slightly enriched in Au, possibly due to footwall "stringer" mineralization not yet discovered, and not likely to be of economic importance, judging from the amount of metal in soil.

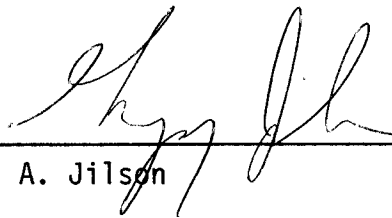
CONCLUSIONS AND RECOMMENDATIONS

The geochemical survey clearly pinpoints the known showing and suggests that near-surface extensions are not likely to be present. This conclusion should be tempered somewhat in the valleys on either side of the ridge with the showing, since they are extensively covered by iron hydroxide cemented overburden.

Due to the highly strained and lineated nature of the rocks, one might expect any original sulfide sheet to be segmented into elongate pods paralleling the east-west trending lineation, thus the one showing may be structurally detached from more extensive, buried sulfides, especially down-dip in the creeks north of the showing. This possibility should be evaluated

by more detailed geological mapping, coupled with magnetic and electromagnetic and/or induced polarization surveys.

Respectfully submitted,



G. A. Jilson

APPENDIX I

Kneil Claims

Statement of Costs

SALARIES AND WAGES

16 man days @ \$55/day \$ 880.00

CAMP COSTS

16 man days @ \$25/day 400.00

HELICOPTER

2 hrs., 40 mins. @ \$345 920.00

GEOCHEMICAL ANALYSES

4,359.50

6,559.50

Administration - 10%

656.00

\$7,215.50

APPENDIX II

Kneil Claims

List of Personnel

G. A. Jilson	Geologist	#3, 266 - West 4th Street North Vancouver, B.C.
J. K. Mortenson	Geologist	University of California at Santa Barbara Santa Barbara, California
M. Mardus	Geochemical Sampler	#99, 1915 Haro Street Vancouver, B.C.
N. Peck	Geochemical Sampler	1838 Western Parkway Vancouver, B.C.
D. Charge	Geochemical Sampler	915 North Road Coquitlam, B.C.
C. Hogarth	Geochemical Sampler	537 Appian Way Coquitlam, B.C.

APPENDIX III

INVOICES SUPPORTING STATEMENT OF COSTS

TIME SHEET

FOR THE MONTH OF August 1981

NAME Milo Marcus
 TYPE OF WORK Field assistant
 RATE OF PAY \$15.00

DATE	WORK	OFF	FLD. BNS.	Prov.	Project or Claim	Type of Work	EXPLANATIONS
	X				1920		geochemical sampling
3	X						
4	X						
5	X						
6	X						
7	X						
8	X				1301		
9	X				3401		pay H/O on 525.00
10	X						Field Earnings 3000.00
11	X						
12	X						
13	X						
14	X						
15	X						
16	X						
17	X						
18	X						
19	X						
20	X						
21	X						
22	X						
23	X						
24	X						
25	X						
26	X						
27	X						
28	X						
29	X						
30	X						end of employment
31	X						

PAYROLL DEPT. USE ONLY	
GROSS BEFORE BOARD	<u>1500.00</u>
Vac. PROBES	<u>120.00</u>
GROSS EARNINGS	<u>1620.00</u>
DEDUCTIONS	
1) C.P.P.	<u>29.16</u>
2) U.I.C.	<u>24.57</u>
3) INCOME TAX	<u>200.00</u>
4) GROUP	
5) M.S.A.	
6) ACCTS. REC.	
7)	
8) BOARD	
9)	
10)	
11) MID MONTH ADVANCE	<u>253.73</u>
NET PAY	<u>1366.27</u>

TOTAL PAYROLL DEPT. USE ONLY

TYPE OF WORK
PROPERTY EXAMINATION
PROSPECTING
STAKING
AIRBORN SURVEYS
LINE CUTTING
GEOLOGY
GEOPHYSICS
GEOCHEMISTRY
DIAMOND DRILLING
PHYSICAL WORK
ACCESS ROADS
CAMP OPERATIONS
FUEL HAUL

PROJECT	DAYS	GROSS BEFORE BOARD	FIELD BONUS
192001	8	418.08 ✓	
330101	1	52.20 ✓	
3401.01	22	1149.72 ✓	
		<u>1620</u>	

EMPLOYEE Milo Marcus APPROVED [Signature]
 F103

TIME SHEET

FOR THE MONTH OF August 1981

Nigel Beck
Field assistant
\$17.00

DATE	WORK	OFF	FLD. BNS.	Prov.	Project or Claim	Type of Work	EXPLANATIONS
	X				1920		archaeological sampling
3	X						
	X						
6	X						Deduct 181.44
	X						1/2 price of ticket
9	X				3301		Waltson to her.
	X				3401		
12	X						
14	X						pay 4/8 vac on
15	X						\$5100.00 \$204.00
17	X						Note will have to
18	X						PRD cut
20	X						air fare from
21	X						Waltson ck →
23	X						Vancouver
24	X						changed to CRIME
26	X						cut CASH TOWN
27	X						
29	X						
30	X						
	X						end of employment

PAYROLL DEPT. USE ONLY	
GROSS BEFORE BOARD	1700.00
<u>Vac</u>	204.00
GROSS EARNINGS	1904.00
DEDUCTIONS	
1) C.P.P.	34.27
2) U.I.C.	24.57
3) INCOME TAX	250.00
4) GROUP	
5) M.S.A.	
6) ACCTS. REC.	
7)	
8) BOARD	
9)	
10)	
11) MID MONTH ADVANCE	181.44 490.28
NET PAY	1413.72

TYPE OF WORK
PROPERTY EXAMINATION
PROSPECTING
STAKING
AIRBORN SURVEYS
LINE CUTTING
GEOLOGY
GEOPHYSICS
GEOCHEMISTRY
DIAMOND DRILLING
PHYSICAL WORK
ACCESS ROADS
CAMP OPERATIONS
FUEL HAUL

PROJECT	DAYS	GROSS BEFORE BOARD	FIELD BONUS
192001	8	491.36	
330101	1	61.40	
340101	22	1351.24	
		1904.00	

EMPLOYEE Nigel Beck

APPROVED [Signature]
 #103

TIME SHEET

NAME Dick Craig
 TYPE OF WORK Field Assistant
 RATE OF PAY \$15.00

FOR THE MONTH OF August 19 81

DATE	WORK	OFF	FLD. BNS.	Prov.	Project or Claim	Type of Work	EXPLANATIONS
	✓				1920		geological sampling
	✓						
3	✓						
	✗						
	✗						
6	✗						
	✗						
	✗						
9	✗						
	✗				3301		
	✗				3401		Pay for \$
12	✗						5129.03
	✗						= 205.16
14	✗						
15	✗						
17	✗						
18	✗						
	✗						
20	✗						
21	✗						
	✗						
23	✗						
24	✗						
	✗						
26	✗						
27	✗						
	✗						
29	✗						
30	✗						
	✗						

PAYROLL DEPT. USE ONLY	
GROSS BEFORE BOARD	1500.00
Net BOARD	205.16
GROSS EARNINGS	1705.16
DEDUCTIONS	
1) C.P.P.	30.69
2) U.I.C.	24.57
3) INCOME TAX	200.00
4) GROUP	
5) M.S.A.	
6) ACCTS. REC.	
7)	
8) BOARD	
9)	
10)	
11) MID MONTH ADVANCE	255.26
NET PAY	1449.90

TOTAL

PAYROLL DEPT. USE ONLY

PROJECT	DAYS	GROSS BEFORE BOARD	FIELD BONUS
192001	9	495.09 ✓	
330101	1	54.86 ✓	
340101	21	1155.21 ✓	
		1705.16	

- TYPE OF WORK
- PROPERTY EXAMINATION
 - PROSPECTING
 - STAKING
 - AIRBORN SURVEYS
 - LINE CUTTING
 - GEOLOGY
 - GEOPHYSICS
 - GEOCHEMISTRY
 - DIAMOND DRILLING
 - PHYSICAL WORK
 - ACCESS ROADS
 - CAMP OPERATIONS
 - FUEL HAUL

EMPLOYEE Dick Craig

APPROVED [Signature]
 F103

TIME SHEET

NAME Charles Hagerth
 TYPE OF WORK field assistant
 RATE OF PAY \$1800

FOR THE MONTH OF August 19 81

DATE	WORK	OFF	FLD. BNS.	Prov.	Project or Claim	Type of Work	EXPLANATIONS
	X				1920		geotechnical sampling
3	X						
	X						
6	X						
	X						
9	X				3301		
	X				3401		
12	X						
14	X						
15	X						
17	X						4% vac on \$4500.00
18	X						= \$180.00
20	X						
21	X						
23	X						
24	X						
26	X						
27	X						
29	X						
30	X						end of employment

PAYROLL DEPT. USE ONLY	
GROSS BEFORE BOARD	1500.00
Vac	180.00
GROSS EARNINGS	15180
	1680.00
DEDUCTIONS	
1) C.P.P.	30.25
2) U.I.C.	24.57
3) INCOME TAX	150.00
4) GROUP	
5) M.S.A.	
6) ACCTS. REC.	
7)	
8) BOARD	
9)	
10)	
11) MID MONTH ADVANCE	204.80
NET PAY	1475.18

- TOTAL
- | TYPE OF WORK |
|----------------------|
| PROPERTY EXAMINATION |
| PROSPECTING |
| STAKING |
| AIRBORN SURVEYS |
| LINE CUTTING |
| GEOLOGY |
| GEOPHYSICS |
| GEOCHEMISTRY |
| DIAMOND DRILLING |
| PHYSICAL WORK |
| ACCESS ROADS |
| CAMP OPERATIONS |
| FUEL HAUL |

PROJECT	DAYS	GROSS BEFORE BOARD	FIELD BONUS
192001	8	433.52	
330101	1	54.30	
340101	22	1192.18	
		<u>1680.00</u>	

EMPLOYEE _____ APPROVED [Signature] FT03

VIKING HELICOPTERS LIMITED FLIGHT REPORT

13887

BOX 5104, STN. F, OTTAWA, ONTARIO, CANADA, K2C 3H4

613-257-4660

DATE

1 AUG 81

PILOT <i>B. WILSON</i>	HELICOPTER REGISTRATION <i>C652T</i>	CTC ZONE <i>9.0</i>	CONTRACT No.	IF NO FLYING CHECK: <input type="checkbox"/> NIL ASSIGNMENT <input type="checkbox"/> WEATHER <input type="checkbox"/> UNSERVICEABLE
ENGINEER <i>D. TRUDEL</i>	HELICOPTER TYPE <i>11500D</i>	CLASS <input type="checkbox"/> 4 <input type="checkbox"/> 7 TYPE	TOTAL A/F HOURS <i>1415:40</i>	

NO.	JOURNEY FROM PREVIOUS LINE TO	PASSENGERS	TIME UP	TIME DOWN	AIR TIME	FUEL GALS. REFUNDABLE	REMARKS
1			<i>0820</i>	<i>0815</i>	<i>0.15</i>		
2			<i>0930</i>	<i>1055</i>	<i>0:35</i>		<i>1:20 KNEIL CLAIMS</i>
3			<i>1250</i>	<i>1415</i>	<i>1:25</i>		
4			<i>1505</i>	<i>1700</i>	<i>2:05</i>		<i>1:20 KNEIL CLAIMS</i>
5							
6							
7							
8							
9							
10							
11							
12							
13							CONDITIONS OF CARRIAGE
14							

DAILY TOTAL HOURS *4:20*

BROUGHT FORWARD

TOTAL CONTRACT HOURS

CLIENT NAME & ADDRESS

CYPRUS ANVIL

The Charter Tariff of Viking Helicopters Limited (the Carrier), which is available for examination (at any office of the Carrier upon request), is deemed to form a part of this and all contracts for the carriage of the Charter and/or his servants, agents and/or goods. In particular, the Charterer is advised that the liability of the Carrier for loss or damage to the goods of the Charterer is limited to the sum of 10¢ per lb., pursuant to Rule 13 of its said Charter Tariff.

APPROVAL AUTHORIZED COMPANY REPRESENTATIVE.

VIKING HELICOPTERS LIMITED FLIGHT REPORT

13883

BOX 5104, STN. F, OTTAWA, ONTARIO, CANADA, K2C 3H4

613-257-4660

DATE

2 AUG 81

PILOT B. WILSON	HELICOPTER REGISTRATION CGS 2T	CTC ZONE 9.0	CONTRACT No.	IF NO FLYING CHECK: <input type="checkbox"/> NIL ASSIGNMENT <input type="checkbox"/> WEATHER <input type="checkbox"/> UNSERVICEABLE
ENGINEER D. TRUDEL	HELICOPTER TYPE HS00D	CLASS <input type="checkbox"/> 4 <input type="checkbox"/> 7 TYPE	TOTAL A/F HOURS 19:3:25	

EX. NO.	JOURNEY FROM PREVIOUS LINE TO	PASSENGERS	TIME UP	TIME DOWN	AIR TIME	FUEL GAL. REFUNDABLE	REMARKS
1			0855	1055	2:00		1:20 KNEIL CLAIMS
2			1130	1340	2:05		
3			1425	1640	2:10		
4			1700	1810	1:10		2:20 KNEIL CLAIMS
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

CONDITIONS OF CARRIAGE

The Charter Tariff of Viking Helicopters Limited (the Carrier), which is available for examination (at any office of the Carrier upon request), is deemed to form a part of this and all contracts for the carriage of the Charter and/or his servants, agents and/or goods. In particular, the Charterer is advised that the liability of the Carrier for loss or damage to the goods of the Charterer is limited to the sum of 10¢ per lb., pursuant to Rule 13 of its said Charter Tariff.

APPROVAL AUTHORIZED COMPANY REPRESENTATIVE

CLIENT NAME & ADDRESS
CYPRUS ANVIL

DAILY TOTAL HOURS	7:25
BROUGHT FORWARD	
TOTAL CONTRACT HOURS	

VIKING HELICOPTERS LIMITED FLIGHT REPORT

13890

BOX 5104, STN. F, OTTAWA, ONTARIO, CANADA, K2C 3H4

613-257-4660

DATE 3 Aug 81

PILOT B. WILSON	HELICOPTER REGISTRATION C452T	CTC ZONE 9.0	CONTRACT No.	IF NO FLYING CHECK: <input type="checkbox"/> NIL ASSIGNMENT <input type="checkbox"/> WEATHER <input type="checkbox"/> UNSERVICEABLE
ENGINEER D. TRUDEL	HELICOPTER TYPE 11500D	CLASS <input type="checkbox"/> 4 <input type="checkbox"/> 7 TYPE	TOTAL A/F HOURS 1981.40	

EX. NO.	JOURNEY FROM PREVIOUS LINE TO	PASSENGERS	TIME UP	TIME DOWN	AIR TIME	FUEL GAL. REFUNDABLE	REMARKS
1			0820	1025	2:05		-120 KNEIL CLAIMS
2			1245	1500	2:10		
3			1535	1735	2:00		-120 KNEIL CLAIMS
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

CONDITIONS OF CARRIAGE

CLIENT NAME & ADDRESS
CYPRUS ANVIL

DAILY TOTAL HOURS	6.15
BROUGHT FORWARD	
TOTAL CONTRACT HOURS	

The Charter Tariff of Viking Helicopters Limited (the Carrier), which is available for examination (at any office of the Carrier upon request), is deemed to form a part of this and all contracts for the carriage of the Charter and/or his servants, agents and/or goods. In particular, the Charterer is advised that the liability of the Carrier for loss or damage to the goods of the Charterer is limited to the sum of 10¢ per lb., pursuant to Rule 13 of its said Charter Tariff.

[Signature]
APPROVAL AUTHORIZED COMPANY REPRESENTATIVE.

VIKING HELICOPTERS LIMITED FLIGHT REPORT

008571

BOX 5104, STN. F, OTTAWA, ONTARIO, CANADA, K2C 3H4

613-257-4660

DATE

4 AUG 81

PILOT B. WILSON		HELICOPTER REGISTRATION CG52T	CTC ZONE 9.0		CONTRACT No.		IF NO FLYING CHECK:	
ENGINEER D. TRUDEL		HELICOPTER TYPE HS00D	CLASS <input type="checkbox"/> 4 <input type="checkbox"/> 7		TOTAL A/F HOURS 1993.35		<input type="checkbox"/> NIL ASSIGNMENT <input type="checkbox"/> WEATHER <input type="checkbox"/> UNSERVICEABLE	
FLY NO.	JOURNEY FROM PREVIOUS LINE TO	PASSENGERS	TIME UP	TIME DOWN	AIR TIME	FUEL GAL. REFUNDABLE	REMARKS	
1			0835	1045	1:50		120 KNEIL CLAIMS	
2			1445	1650	2:05		120 KNEIL CLAIMS	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								

CONDITIONS OF CARRIAGE

The Charter Tariff of Viking Helicopters Limited (the Carrier), which is available for examination (at any office of the Carrier upon request), is deemed to form a part of this and all contracts for the carriage of the Charter and/or his servants, agents and/or goods. In particular, the Charterer is advised that the liability of the Carrier for loss or damage to the goods of the Charterer is limited to the sum of 10¢ per lb., pursuant to Rule 13 of its said Charter Tariff.

CLIENT NAME & ADDRESS

CYPRUS ANVIL

DAILY TOTAL HOURS

3:55

BROUGHT FORWARD

TOTAL CONTRACT HOURS

APPROVAL AUTHORIZED COMPANY REPRESENTATIVE.

ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158


852 East Hastings St., Vancouver, B.C. V6A 1R6


File: 

Date:  31

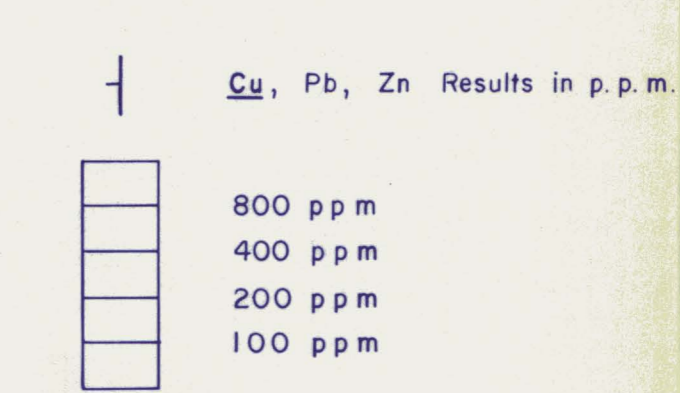
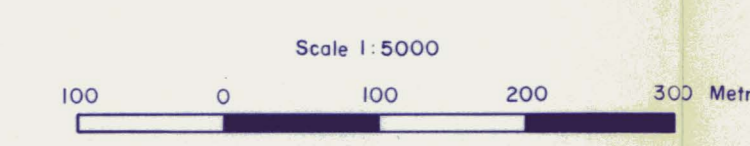
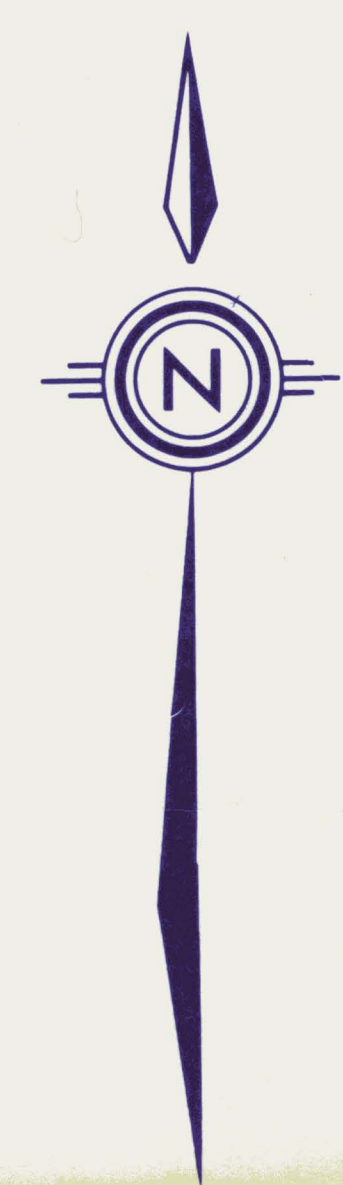
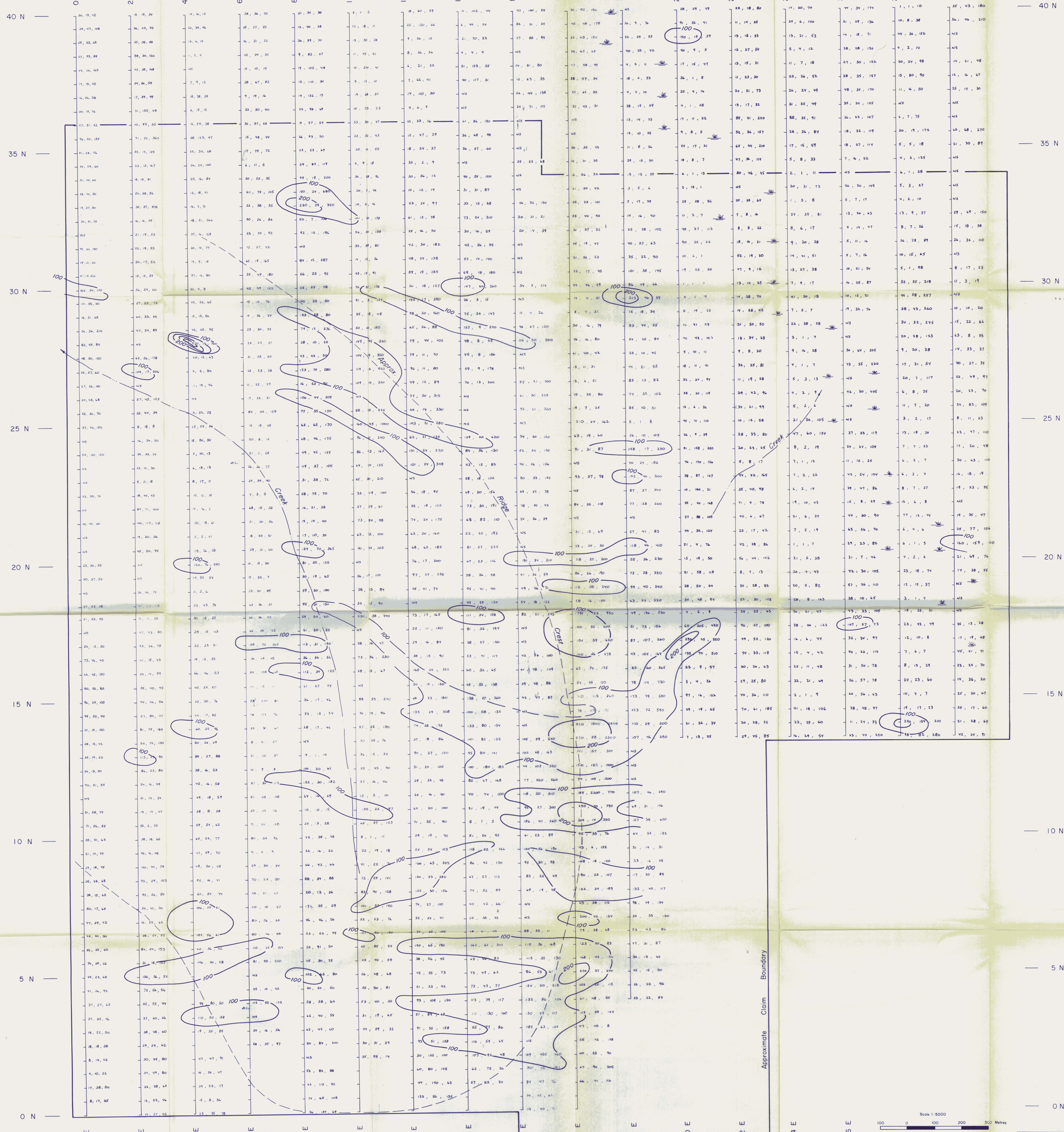
Cyprus Anvil Mining Corporation,
330 - 355 Burrard St.,
Vancouver, B.C.
V6C 2G8

TERMS:
NET TWO WEEKS
2% PER MONTH CHARGED ON
OVERDUE ACCOUNTS.

NUMBER	ASSAY	ACCOUNT	PRICE	AMOUNT
	Project : Grass Lake, Attn.: Ms. M. Parker			
952	Geochem Cu, Pb, and Zn assays @		\$2.75	\$2618.00
1096	Soil sample preparations @		0.40	438.40
5	Rock sample preparations @		2.25	11.25
	Less 10% discount			\$3067.65
		TOTAL		306.77
		ADDS. & EXTENS.		\$2760.88
		CODING		
		O.K. TO PAY		
		POSTED		
149	Geochem Cu, Pb, Zn, Ag and As assays by ICP @		3.50	521.50
149	Geochem Ba assays @		1.50	223.50
149	Geochem Hg assays @		2.00	298.00
149	Geochem Au assays @		2.50	372.50
	CP Air #018-63992353 F			\$4176.38
				183.12
				\$4 

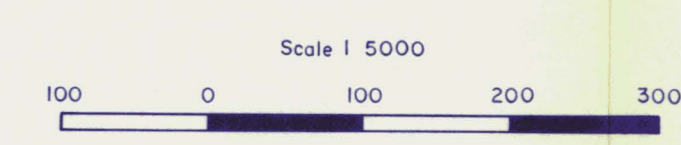
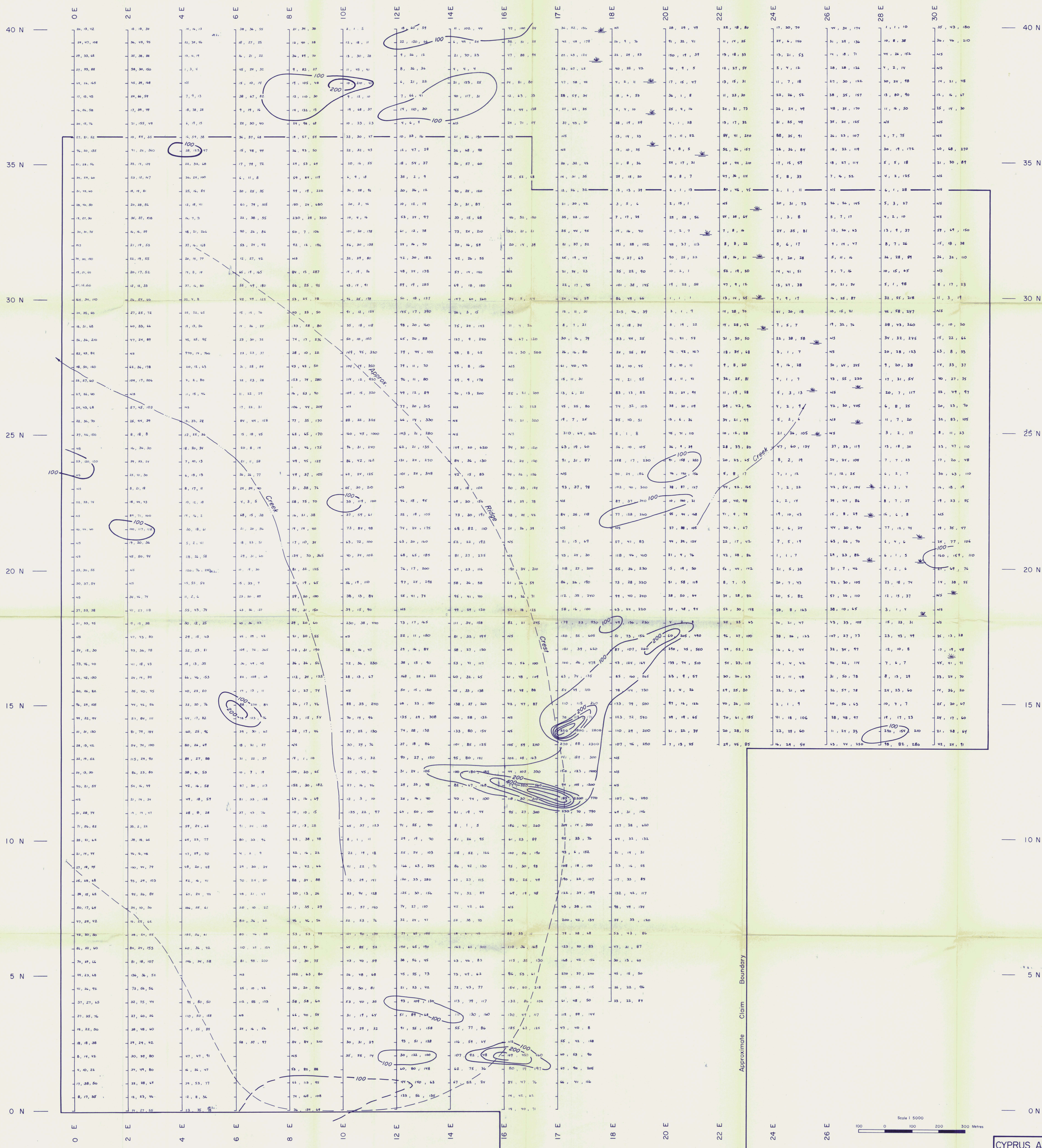
 D Toye

PLEASE PAY LAST AMOUNT 

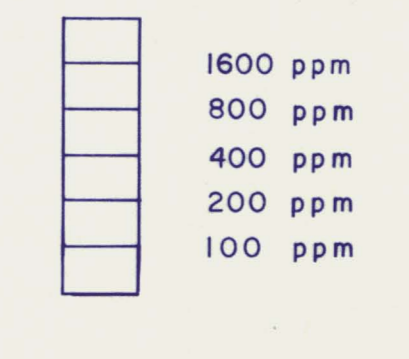


40 N
35 N
30 N
25 N
20 N
15 N
10 N
5 N
0 N

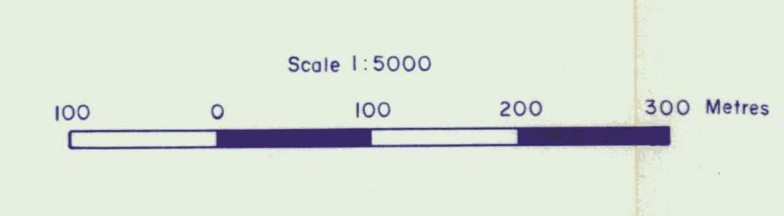
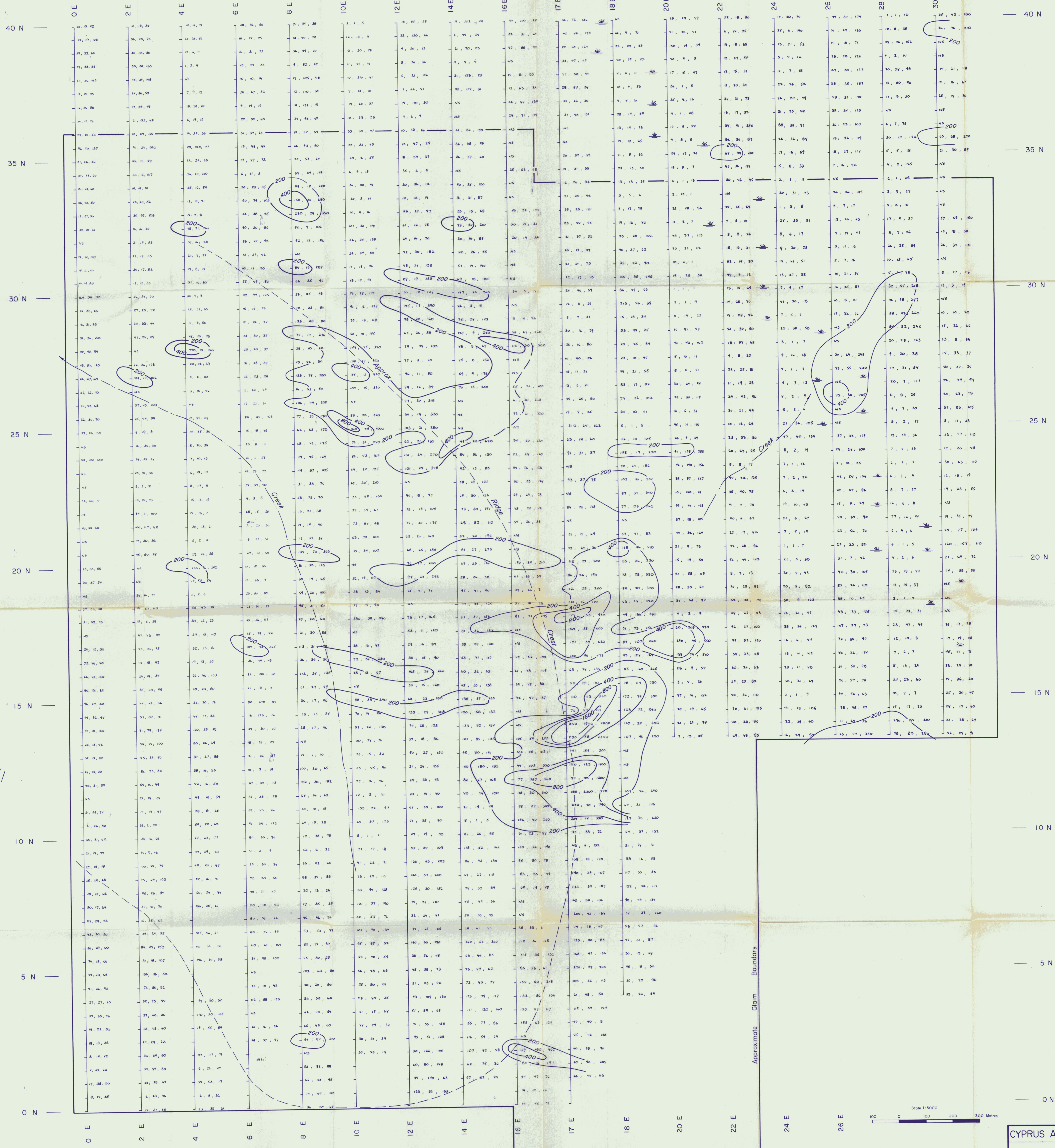
CYPRUS ANVIL MINING CORPORATION
Kneil Claims
 WATSON LAKE MINING DIVISION, Y. T.
 091067
Copper in Soils
 N.T.S. 105 N - 4
 SURVEY BY: [Name]
 DRAWN BY: C. L. CORY
 SCALE: 1:5000
 DATE: DEC. 1981
 MAP No. 1



Cu, Pb, Zn Results in p.p.m.



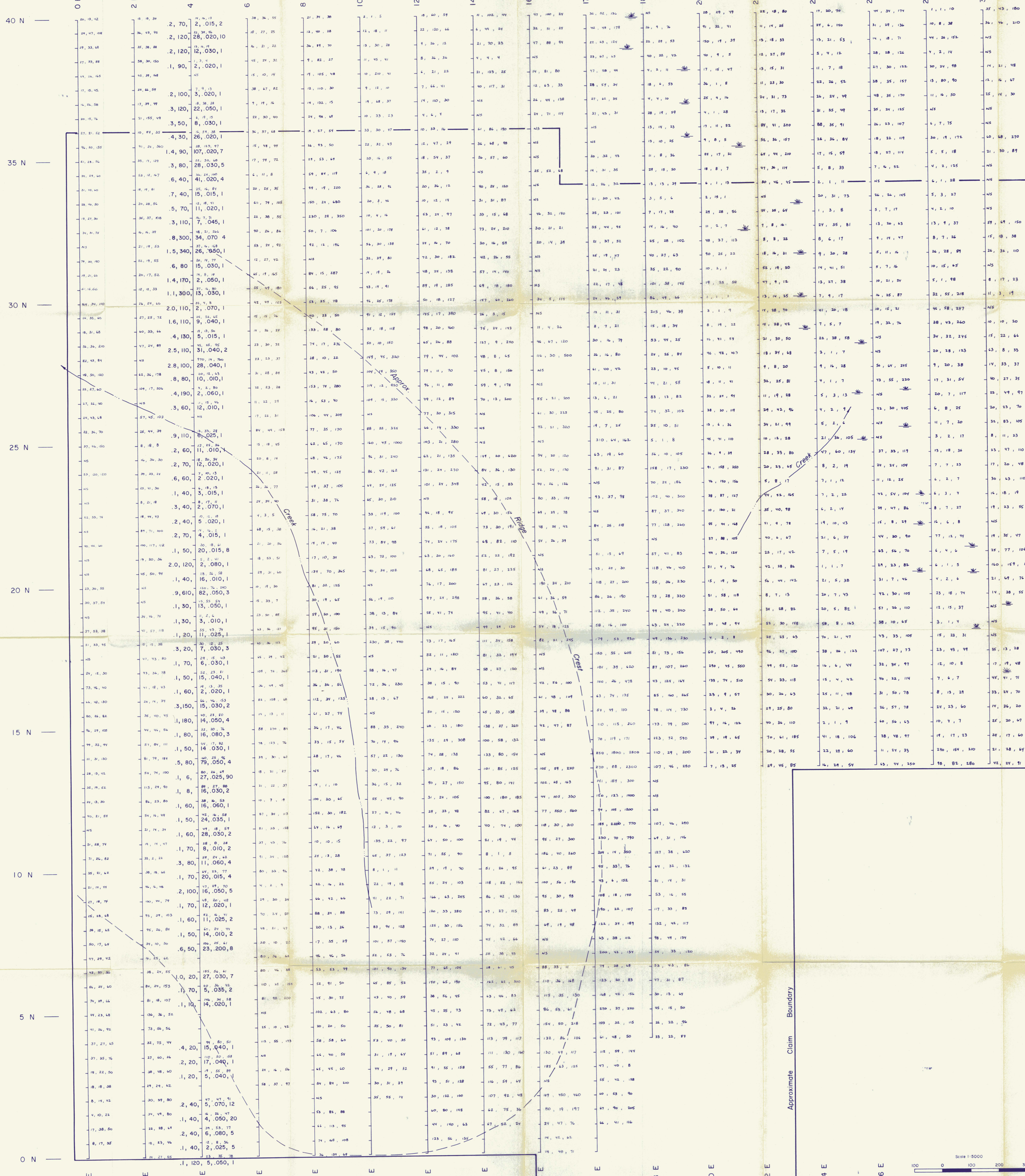
CYPRUS ANVIL MINING CORPORATION
Kneil Claims
 WATSON LAKE MINING DIVISION, Y. T.
Lead in Soils 091067
 N.T.S. 105 H-4
 SURVEY BY: _____
 DRAWN BY: C. L. CORY
 SCALE: 1:5000
 DATE: DEC. 1981
 MAP NO. 2



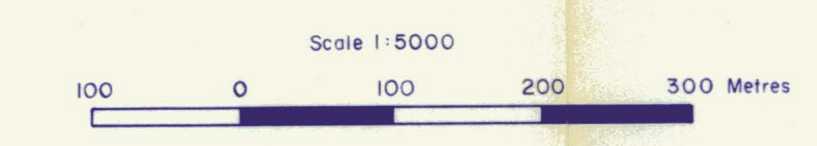
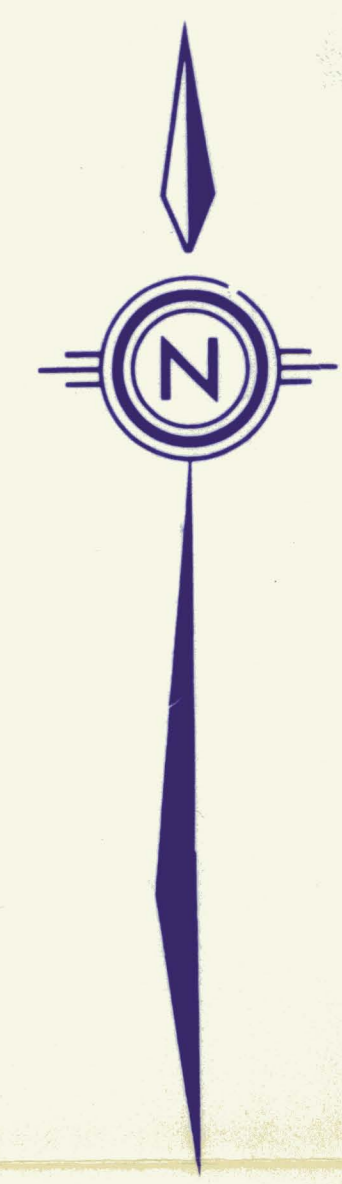
- Cu, Pb, Zn Results in p.p.m.
- 1600 ppm
 - 800 ppm
 - 400 ppm
 - 200 ppm

40 N
35 N
30 N
25 N
20 N
15 N
10 N
5 N
0 N

CYPRUS ANVIL MINING CORPORATION
Kneil Claims
 WATSON LAKE MINING DIVISION, Y.T.
Zinc in Soils 091067
 N.T.S. 105 H-4 SCALE: 1:5000
 SURVEY BY: DATE: DEC. 1981
 DRAWN BY: C.L. CORY MAP No. 3



40 N
35 N
30 N
25 N
20 N
15 N
10 N
5 N
0 N



Cu Pb Zn
1.0, 50, 40, 82, 143
Ag Ba As Hg Au
4, .032 5
N.B. All values in ppm except Au which is in ppb.

CYPRUS ANVIL MINING CORPORATION
Kneil Claims
 WATSON LAKE MINING DIVISION, Y. T.
 091067
 Geochemical Survey Ag, Ba, As, Hg, Au
 N.T.S. 105 H-4
 SURVEY BY:
 DRAWN BY: C. L. CORY
 SCALE: 1:5000
 DATE: DEC. 1981
 MAP No. 4