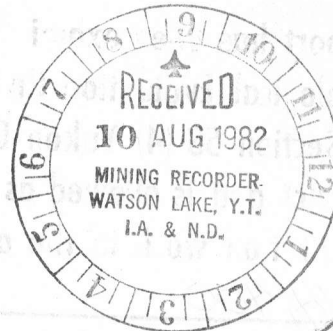


REPORT  
ON  
GEOCHEMICAL SURVEY



conducted

June 17 - July 13, 1982

DK 1 - 48 Claims - YA 67003 - 18  
67162 - 69  
67309 - 32

WATSON LAKE M.D.

Claim Sheet 95D - 10

Lat.  $60^{\circ} 35' N.$  - Long.  $126^{\circ} 50' W.$



Date: August 6, 1982

R.H. Seraphim, Ph.D., P.Eng.

091080

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 \$ 14,400.

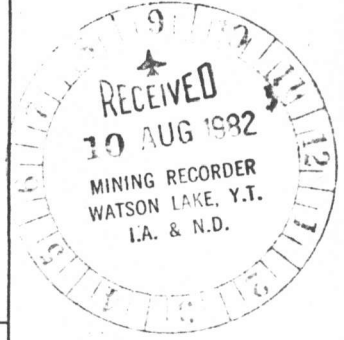
*P. Watson*

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

091080



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)	<i>R. A. SERAPHIM</i>	Occupation	<i>Engineer</i>
(Postal Address)	<i>316-470 Cronville St Vancouver BC V6C1V5</i>		

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)

*DK 33 to 40 YA 67317 to YA 67324.*

situated at *Beaver Creek* Claim Sheet No. *95 D-10*

in the *Watson Lake* Mining District, to the value of at least *2400*

dollars, since the *25<sup>th</sup>* day of *Aug* 19 *81*

to represent the following mineral claims under the authority of Grouping Certificate No. *3219*

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

<i>DK 1</i>	<i>YA 66703</i>
<i>DK 4</i>	<i>YA 66706</i>
<i>DK 15</i>	<i>YA 66717</i>
<i>DK 26</i>	<i>YA 67310</i>
<i>DK 28</i>	<i>YA 67312</i>

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

*Geochemical Survey conducted June 17 - July 13, 1982  
Data presented herewith.*

091080

Sworn before me at *WATSON LAKE Y.T.*

this      day of *AUG 10 1982* 19     

*Pat Jamison*  
Notary Public

*R. A. Seraphim*  
Applicant



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)	<i>R. H. SERAPHINI</i>	Occupation	<i>Engineer</i>
(Postal Address)	<i>316-170 Granville St Vancouver BC V6C1V5</i>		

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)

*DK 33 to 40      YA 67317      to YA 67324*

situated at *Beaver Creek* Claim Sheet No. *95 D-10*

in the *Watson Lake* Mining District, to the value of at least *4800 2400 RWS*

dollars, since the *3<sup>rd</sup>* day of *Sept* 19 *91*

to represent the following mineral claims under the authority of Grouping Certificate No. *3278*

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

*FB*  
*DK 17 to 24      YA 67162 to 67169*

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

*Geochemical Survey conducted June 17 - July 13 1992  
Data presented herewith*

Sworn before me at **WATSON LAKE Y.T.**

this      day of **AUG 10 1982** 19    

*Pat Damin*

Notary Public

*R. H. Seraphini*  
Applicant



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)	<i>R. H. SERAPHIM</i>	Occupation	<i>Engineer</i>
(Postal Address)	<i>316-470 Granville St Vancouver B.C. V6C1V5</i>		

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)

*DK 33 to 40                      YA 67317 to YA 67324*

situated at *Beaver Creek* Claim Sheet No. *95 D-10*

in the *Watson Lake* Mining District, to the value of at least *4000 2400* <sup>*1248*</sup>

dollars, since the *25<sup>th</sup>* day of *Aug* 19 *81*

to represent the following mineral claims under the authority of Grouping Certificate No. *3277*

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

- |                         |                            |
|-------------------------|----------------------------|
| <i>DK 2</i>             | <i>YA 66704</i>            |
| <i>DK 7</i>             | <i>YA 66709</i>            |
| <i>DK 8</i>             | <i>YA 66710</i>            |
| <i>DK 13</i>            | <i>YA 66715</i>            |
| <i>DK 15</i>            | <i>YA 66717</i>            |
| <del><i>DK 25</i></del> | <del><i>YA 66718</i></del> |
| <del><i>DK 27</i></del> | <del><i>YA 66719</i></del> |
| <i>DK 30</i>            | <i>YA 67314</i>            |

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

*Geochemical Survey conducted June 17 - July 13, 1982 - Data presented herewith*

Sworn before me at **WATSON LAKE Y.T.**

this            day of **AUG 10 1982** 19          

*Kat Jamieson*

Notary Public

*R. H. Seraphim*  
Applicant



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)	<i>R. H. SETIAPHANI</i>	Occupation	<i>Engineer</i>
(Postal Address)	<i>316-470 Granville St</i>	<i>Vancouver BC</i>	<i>V6C1V5</i>

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)

*DL 33 to 40      YA 67317 to YA 67324.*

situated at *Beaver Creek* Claim Sheet No. *95 D 10*

in the *Watson Lake* Mining District, to the value of at least *2400* <sup>*Rus.*</sup>

dollars, since the *25<sup>th</sup>* day of *Aug* 19 *81*

to represent the following mineral claims under the authority of Grouping Certificate No. *3270*

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

- |             |                 |
|-------------|-----------------|
| <i>DL 9</i> | <i>YA 66711</i> |
| <i>10</i>   | <i>66712</i>    |
| <i>11</i>   | <i>66713</i>    |
| <i>12</i>   | <i>66714</i>    |
| <i>14</i>   | <i>66716</i>    |
| <i>16</i>   | <i>66718</i>    |
| <i>26</i>   | <i>YA 67310</i> |
| <i>28</i>   | <i>YA 67312</i> |

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

*Geochemical Survey conducted June 17 - July 13 1982  
Data presented herewith*

Sworn before me at WATSON LAKE Y.T.

this      day of AUG 10 1982 19    

*Pat Jamieson*  
Notary Public

*R. H. Setiaphani*  
Applicant



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)	R. H. SERAPHINI	Occupation	Engineer
(Postal Address)	316-470 Granville St Vancouver BC V6C1V5		

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)

DK 33 to 40 YA 67317 to YA 67324.

situated at Beaver Creek Claim Sheet No. 95 D-10

in the Watson Lake Mining District, to the value of at least 2400

dollars, since the 25<sup>th</sup> day of Aug. 1981.

to represent the following mineral claims under the authority of Grouping Certificate No. 327

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

DK 3	YA 66705
DK 5	YA 66707
DK 6	YA 66708
DK 25	YA 67309
DK 27	YA 67311
DK 29	YA 67313
DK 31	YA 67315
DK 32	YA 67316

- The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Geochemical Survey conducted June 17 - July 13  
1982 - data presented herewith.

Sworn before me at WATSON LAKE Y.T.

this 10 day of AUG 10 1982 1982.

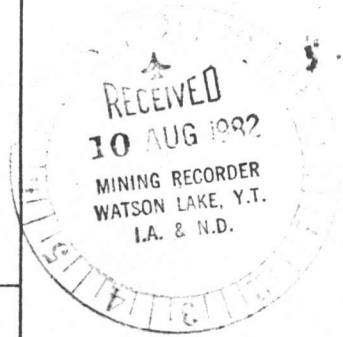
*R. H. Seraphini*

Notary Public

*R. H. Seraphini*  
Applicant



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)	<i>R. H. SERAPHINI</i>	Occupation	<i>Engineer</i>
(Postal Address)	<i>316-470 Granville St Vancouver B.C. V6C1V5</i>		

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)

*DK 33 to 40                      YA 67317 to YA 67324*

situated at *Beaver Creek* Claim Sheet No. *95 D-10*

in the *Watson Lake* Mining District, to the value of at least *4800*

dollars, since the *22<sup>nd</sup>* day of *Sept* 19 *81*

to represent the following mineral claims under the authority of Grouping Certificate No. *3274*

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

*DK 33 to 40                      YA 67317 to YA 67324*  
*DK 41 to 48                      YA 67325 to YA 67332*

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

*Geochemical Survey conducted June 17 - July 13 1982. Data presented herewith*

Sworn before me at *WATSON LAKE Y.T.*

this            day of *AUG 10 1982* 19           

*Pat Cameron*

Notary Public

*R. H. Seraphini*  
Applicant

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<u>GEOLOGY:</u>	5
<u>GEOCHEMISTRY</u>	6
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<u>STATEMENT OF QUALIFICATIONS</u>	8
<u>APPENDICES</u> - (1) Helicopter accounts (2) Supplies accounts (3) Assay accounts & analyses	
<u>ILLUSTRATIONS</u>	
CLAIM MAP - (1 inch = 4 miles)	1:250,000
CLAIM MAP - (1 inch = 2,667 ft.)	1:32,000
GEOCHEMISTRY -(1 inch = 200 ft.)	1:2,400 - pocket

SUMMARY AND CONCLUSIONS:

The DK claims were located to cover the area of provenance of geochemical anomalies discovered in small streams. The streams emerge from an area believed to contain "Road River" shales and other sedimentary rocks. Inasmuch as outcrops are very few, of small size, and restricted to stream banks in the immediate area, a grid geochemical survey was completed to search for the source of the zinc, copper, and lead anomalies. The results are inconclusive.

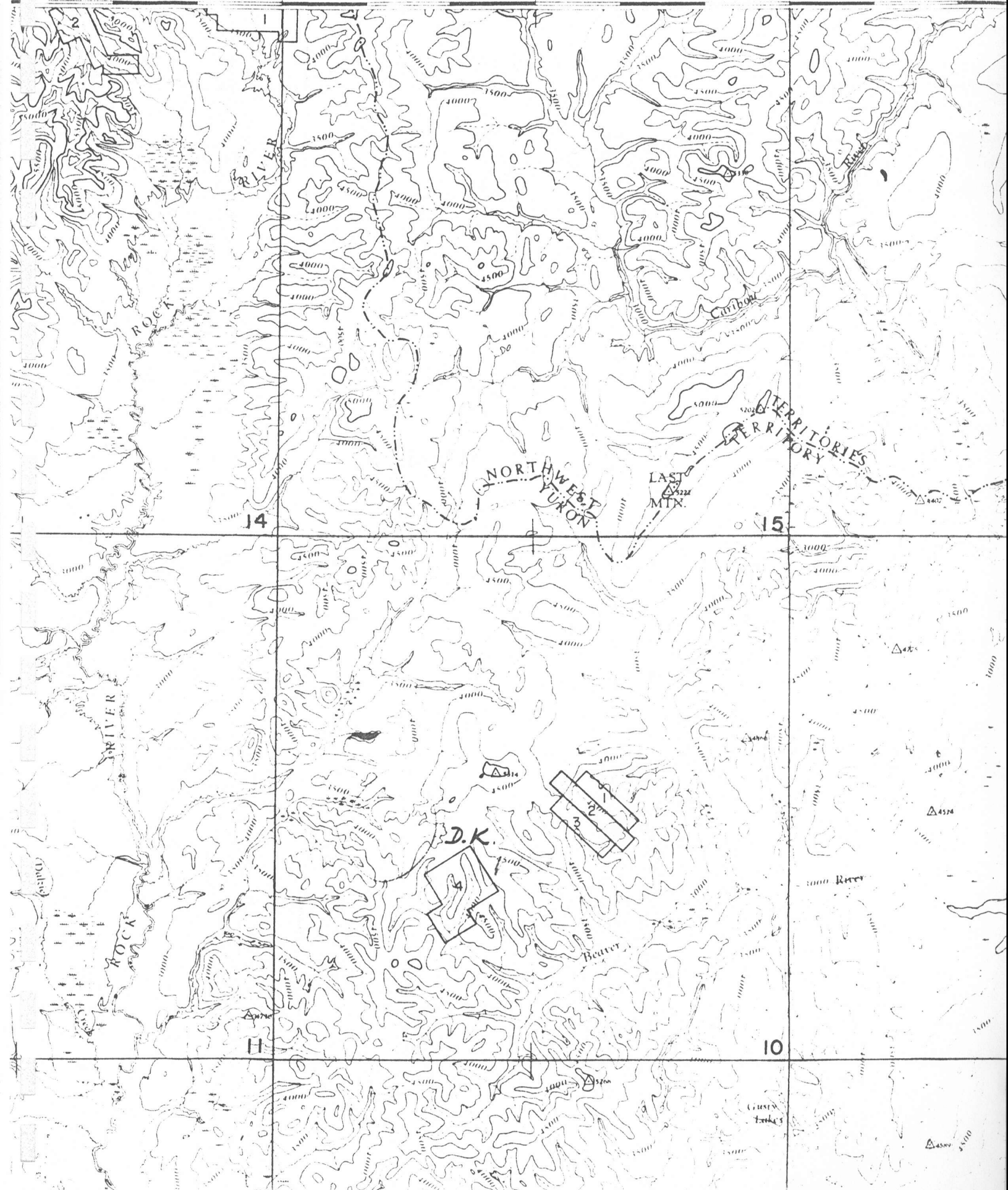
INTRODUCTION:

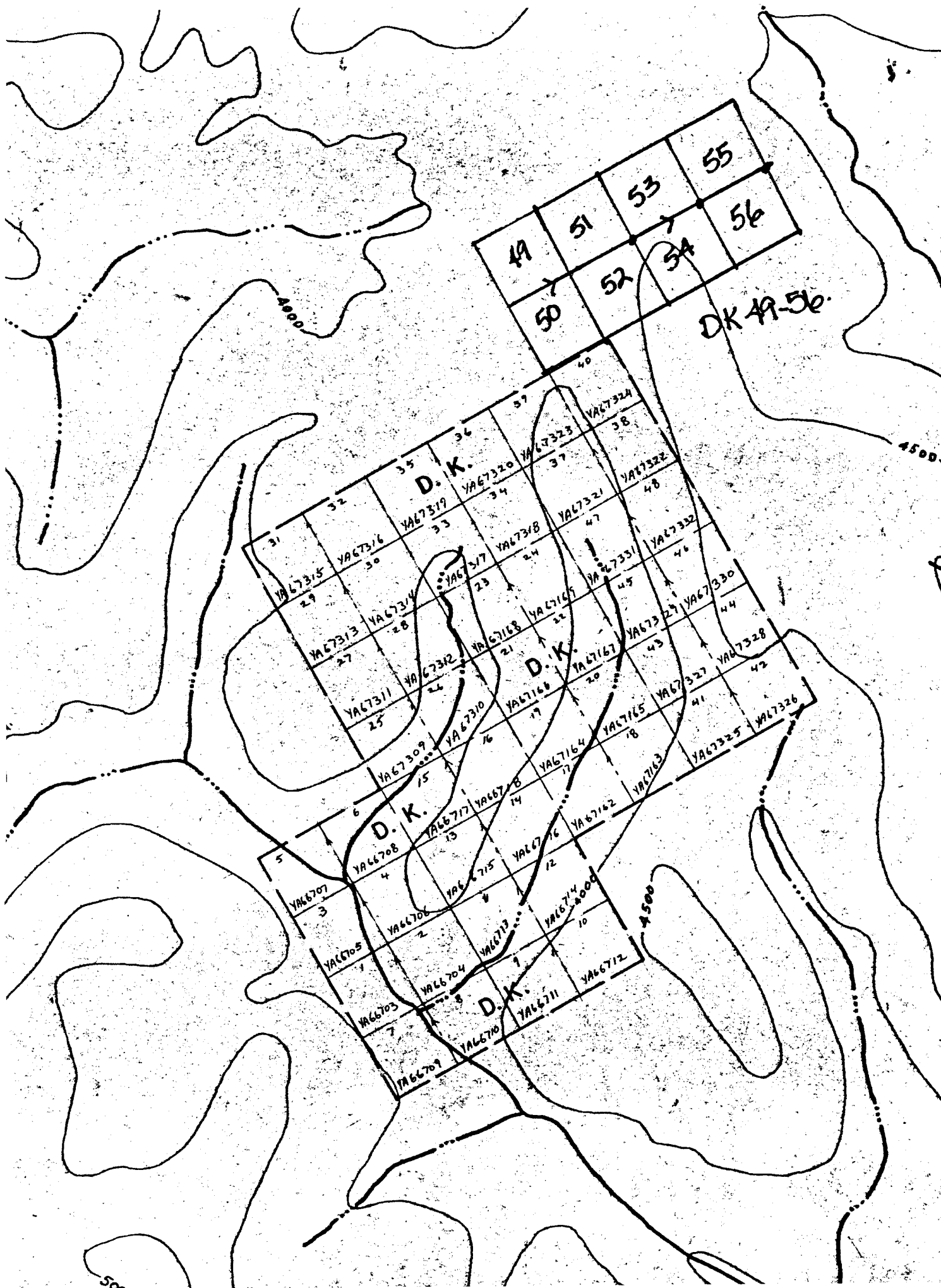
The original anomalies in the streams were located by prospectors during a Helicopter - supported program. The claims were located in August and September, 1981 and examined by the writer during that time, and also several times to date in 1982. Geochemical survey was begun by John Taylor, Joe O'Neill, and Melvin Jack on June 18, 1982 and is continuing at intervals to date of writing.

CLAIMS, LOCATION, ACCESS:

The location is shown as unit 4 on the accompanying 1 inch = 4 miles map and as D.K. 1 to 48 on the accompanying part of Claim Sheet 95 D - 10. The drainage is southerly into Beaver River. Current access is solely by helicopter. The recorded claims are listed as follows:

<u>CLAIM</u>	<u>LOCATOR</u>	<u>GRANT</u>	<u>CLAIM SHEET</u>	<u>LOC. DATE</u>
D.K. 1- 8	Don Kronig	67003-10	95 D-10	Aug.21/81
" " 9-16	L.M. Anthony	67011-18	"	Aug.24/81
" " 17-24	R.H.Seraphim	67162-69	"	Sept.3/81
" " 25-32	John Taylor	67309-16	"	Sept.11/81
" " 33-40	Joe O'Neill	67317-24	"	Sept.16/81
" " 41-48	John Belonzo	67325-32	"	Sept.17/81





FIELD AND ANALYTICAL PROCEDURES:

The soil sampling grid (see map in back pocket) was controlled by survey utilizing Topofil hip-chain and compass. Sample sites were dug with grub-hoe to reach a brown soil horizon, which in many places contained fragments of regolith. These included shale, chert, and fossil limestone.

Samples were packaged in kraft paper envelopes and shipped to Chemex Laboratory in North Vancouver, B.C. The -80 mesh fraction was analyzed for zinc, copper, and lead by instruments involving perchloric-nitric acid extraction.

GEOLOGY:

The geology of the area is shown on Geological Survey Canada Map 11-1968 "Coal River". The area covered by the survey appears to be underlain by Sunblood, Road River, and Besa Formations on the southerly trend of the Caribou anticline.

GEOCHEMISTRY:

The geochemical analyses for zinc provide many results that would be considered anomalous if they were derived from formations other than "Road River". Analyses for copper and lead are anomalous at a few sample sites. A general northerly trend can be discerned to the distribution of sites providing high zinc content. The source of the metals remains indeterminate with the alternatives being (1) formational, (2) transported or (3) derived from a number of localized sources of unknown size. (4) other

COSTS:

HELICOPTER 19.4 hrs. @ \$240/hr.	\$ 4,656.00
PERSONNEL:	
R.H. Seraphim, Ph.D., P.Eng. June 19, 20 - July 24 = 3 days (316-470 Granville St., Vancouver)	900.00
J. Taylor, Prospector June 20 - July 13 incl. 24 days @ \$90/day Box 191, Atlin B.C. V0W 1A0	2,160.00
J. O'Neill, Prospector June 20 - July 13 incl. 24 days @ \$2,350/month (Box 925, Digby, N.S. B0V 1A0)	1,880.00
M. Jack, Prospector June 20 - July 13 incl. 24 days @ \$60/day (Box 245 Atlin, B.C. V0W 1A0)	1,440.00
COMPILING REPORT & MAPS	300.00
FIELD SUPPLIES - @ \$25/man/day x 24 days	1,800.00
ASSAYS	<u>1,884.20</u>
TOTAL	<u><u>\$15,020.00</u></u>

R. H. SERAPHIM ENGINEERING LIMITED  
GEOLOGICAL ENGINEERING

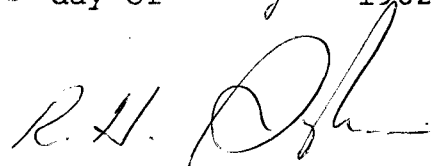
316 - 470 GRANVILLE STREET  
VANCOUVER, B.C. V6C1V5

STATEMENT OF QUALIFICATIONS

I, Dr. R.H. Seraphim, of the City of Vancouver, Province of British Columbia, hereby certify as follows:

- (1) I am a geological engineer, residing at 4636 West 3rd Avenue, Vancouver, B.C., and with office at 316 - 470 Granville Street, Vancouver, B.C.
- (2) I am a registered Professional Engineer of British Columbia. I graduated with a degree of Master of Applied Science from the University of British Columbia in 1948, and with a Doctorate of Philosophy from Massachusetts Institute of Technology (in geology) in 1951.
- (3) I have practised my profession since that time.

Dated at Vancouver, B.C. this <sup>14</sup>6 day of Aug 1982.



R.H. Seraphim, Ph.D., P.Eng.



# Quasar Helicopters Ltd

HELICOPTER CHARTER SERVICE

## INVOICE

Invoice Number

82347

Invoice Date

25 July 1982

Customer Number

010109000

Customer Order Number

TO:

R.H. Seraphim Engineering Ltd.  
316 - 470 Granville St.  
Vancouver, B.C.  
V6C 1V5

Helicopter Type

Bell 47G3B

Registration

C-FYHN

ATC Area

9.0

Period/Order Date

5 - 11 July 1982

Description

Amount

Flying Hours: 20.5 @ \$240

\$ 4920.00

TOTAL

\$ 4920.00

D.K. 6.0  
0.7  
2.5  
9.2 x \$ 240 = \$ 2208

Terms of payment are net 30 days from date of invoice, interest at 2% per month (being 24% per annum), will be charged on overdue accounts.

# QUASAR AVIATION LTD.

**VANCOUVER**  
 150 - 10451 SHELLBRIDGE WAY  
 RICHMOND, B.C. V6X 2W8  
 (604) 270-9696 Telex: 04-357633

**CALGARY**  
 460 McTAVISH ST. N.E.  
 CALGARY, ALTA. T2E 7G5  
 (403) 230-1331 Telex: 03-821901

No **10705**

## FLIGHT REPORT

Date:  Day  Month  Year **Bel 17**

A/C Regn: **C- [REDACTED]**

Pilot 1: **Belong** Empl. No.: [REDACTED]

Pilot 2: \_\_\_\_\_ Empl. No.: [REDACTED]

Engr. 1: \_\_\_\_\_ Empl. No.: [REDACTED]

Engr. 2: \_\_\_\_\_ Empl. No.: [REDACTED]

Customer Name and Address

**Scaphim Eng Ltd**  
*Scaphim Eng Ltd*  
*4865*  
*105 525*

Authorization No.: [REDACTED]

Customer No.: [REDACTED] Contract No.: [REDACTED]

ATC Area: **190** Contract Type:  H - Hourly  D - Daily Min.  M - Monthly  O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours	
<b>Labette</b>	<b>Move Camp #2</b>	<b>Gochem D.K.</b>	<b>08:30</b>	<b>20:45</b>	<b>6.0</b>

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal. litres @ [REDACTED] = \$ [REDACTED]

Total Revenue Hours [REDACTED]  
 Non-Revenue Hours [REDACTED]

Item	Extra Charge or Adjust	Amount

Remarks: [REDACTED]

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Charterer's Signature: *[Signature]* Pilot's Signature: *[Signature]*

*AP 10705*

# QUASAR AVIATION LTD.



**VANCOUVER**  
 150 - 10451 SHELLBRIDGE WAY  
 RICHMOND, B.C. V6X 2W8  
 (604) 270-9696 Telex: 04-357633

**CALGARY**  
 460 McTAVISH ST. N.E.  
 CALGARY, ALTA. T2E 7G5  
 (403) 230-1331 Telex: 03-821901

No **10707**

## FLIGHT REPORT

Date: **08** **07** **99**  
 Day Month Year

Customer Name and Address  
**Seraphim Eng Ltd**

A/C Regn.: **C - EYHN Bell 47**

Pilot 1: **Belongo** Empl. No.: **6000**

Pilot 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 1: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Authorization No.: \_\_\_\_\_

Customer No.: **0101010101** Contract No.: \_\_\_\_\_

ATC Area: **90** Contract Type:  H - Hourly  D - Daily Min.  M - Monthly  O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours
<b>Abalaka</b>	<b>Supplies → IT Camp → Return</b>	<b>19:45</b>	<b>21:35</b>	<b>.7</b>

*DK = 0.7*

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal.

\_\_\_\_\_ litres @ \$ \_\_\_\_\_ = \$ \_\_\_\_\_

Total Revenue Hours **07**

Non-Revenue Hours **00**

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Item	Extra Charge or Adjust.	Amount	Remarks:

Charterer's Signature: **Donald King** Pilot's Signature: **Al Belongo**

*ADP*

# QUASAR AVIATION LTD.



**VANCOUVER**  
 150 - 10451 SHELLBRIDGE WAY  
 RICHMOND, B.C. V6X 2W8  
 (604) 270-9696 Telex: 04-357633

**CALGARY**  
 460 McTAVISH ST. N.E.  
 CALGARY, ALTA. T2E 7G5  
 (403) 230-1331 Telex: 03-821901

No **10708**

## FLIGHT REPORT

Date: **09** Day **02** Month **50** Year **Bella-7**

A/C Regn.: **C-FYVA**

Pilot: 1: **Belongo** Empl. No.: **8000**

Pilot: 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 1: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Customer Name and Address  
**Seraphim Eng Ltd**

Authorization No.: \_\_\_\_\_

Customer No.: \_\_\_\_\_ Contract No.: \_\_\_\_\_

ATC Area: **90** Contract Type:  H - Hourly  D - Daily Min.  M - Monthly  O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours
<b>Abasco, More Camp</b>	<b>Gaschem DK</b>	<b>07:55</b>	<b>12:55</b>	<b>2.5</b>

*0.5 = 2.5*

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal. \_\_\_\_\_ litres gal. @ \$ \_\_\_\_\_ = \$ \_\_\_\_\_

Total Revenue Hours \_\_\_\_\_  
 Non-Revenue Hours \_\_\_\_\_

Item	Extra Charge or Adjust.	Amount	Remarks:

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Charterer's Signature: **Donald König** Pilot's Signature: **[Signature]**

*Approved K*



# Quasar Helicopters Ltd

HELICOPTER CHARTER SERVICE

## INVOICE

Invoice Number

82269

Invoice Date

30 June 1982

Customer Number

010109000

Customer Order Number

TO:

R.H. Seraphim Engineering Ltd.  
316 - 470 Granville Street  
Vancouver, B.C.  
V6C 1V5

Helicopter Type

Bell 47F3E

Registration

C-FYHN

ATC Area

9.0

Period/Order Date

21 - 27 June 1982

Description

Amount

Flying Hours: 19.2 @ \$240

\$ 4608.00

TOTAL

\$ 4608.00

D.K.  $\frac{1.9}{0.6}$   
 $\frac{2.5}{2.5} \times \$240 = \$600.00$

010109000

Terms of payment are net 30 days from date of invoice, interest at 2% per month (being 24% per annum), will

be added on overdue accounts.

# QUASAR AVIATION LTD. = 533-3994

112-853-1215

No. **11111**

## FLIGHT REPORT



**VANCOUVER**  
150 - 10451 SHELLBRIDGE WAY  
RICHMOND, B.C. V6X 2W8  
(604) 270-9696 Telex: 04-357633

**CALGARY**  
460 McTAVISH ST. N.E.  
CALGARY, ALTA. T2E 7G5  
(403) 230-1331 Telex: 03-821901

Date: **21** Day **06** Month **82** Year **Bell 47**

Customer Name and Address

**Seraphim Eng**

A/C Regn.: **C-~~BYNN~~**

Pilot: 1: **Belongo** Empl. No.: **8000**

Pilot: 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 1: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Authorization No.: \_\_\_\_\_

Customer No.: **010109000** Contract No.: \_\_\_\_\_

ATC Area: **910** Contract Type:  Hourly  Daily Min.  M - Monthly  O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours
Loba lake	Moved Camp → Loba #2	08:55	10:25	1.5 <i>DK</i>
Loba lake	Sett out Geochem Crew Loba #3	10:50	11:20	.5 <i>DK</i>
Loba lake	Returned DK to Loba #2	12:10	12:35	.4 <i>DK</i>
Loba lake	Becon with D.K.	12:50	13:15	.4
Loba lake	Returned DK to Base Camp	14:10	14:20	.2

*DK*  
*1-9*

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal, litres @ \$ \_\_\_\_\_ = \$ \_\_\_\_\_

Total Revenue Hours **15.0**  
Non-Revenue Hours **1.6**

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Item	Extra Charge or Adjust.	Amount	Remarks:

Charterer's Signature: *Donald King* Pilot's Signature: *Belongo*  
Pilot's Signature: *[Signature]*

# QUASAR AVIATION LTD.

= 533-3244  
12-103-1215

No **10688**

**VANCOUVER**  
150 - 10451 SHELLBRIDGE WAY  
RICHMOND, B.C. V6X 2W8  
(604) 270-9696 Telex: 04-357633

**CALGARY**  
460 McTAVISH ST. N.E.  
CALGARY, ALTA. T2E 7G5  
(403) 230-1331 Telex: 03-821901

## FLIGHT REPORT

Date: **24** Day **06** Month **82** Year **Bell 47**

Customer Name and Address

*Seraphim Eng*

A/C Regn.: **C - FVWIN**

Pilot: 1: *Belong* Empl. No.: **2222**

Pilot: 2: \_\_\_\_\_ Empl. No.: **2222**

Engr. 1: \_\_\_\_\_ Empl. No.: **2222**

Engr. 2: \_\_\_\_\_ Empl. No.: **2222**

Authorization No.: **[Grid]**

Customer No.: **010109000** Contract No.: **[Grid]** ATC Area: **90** Contract Type: **M** H - Hourly D - Daily Min. M - Monthly O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours
Lobo Lake	Supply Run To Lobo #2	08:10	08:45	1.6 <i>DK</i>
Lobo Lake	Set out Crew Lobo #1	09:15	09:40	.4
Lobo Lake	Return 1 Crew → Camp	12:20	12:35	.3 <i>DK</i>
Lobo Lake	Return To Base	13:15	13:25	.2
Lobo Lake	Pick up DK @ Lobo #1	17:35	18:00	.4

*DK 0.6*

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal. litres gal. @ \$ **[Grid]** = \$ **[Grid]**

Total Revenue Hours **[Grid]**  
Non-Revenue Hours **[Grid]**

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Item	Extra Charge or Adjust.	Amount	Remarks:

Charterer's Signature: *Donald Koenig* Pilot's Signature: *John Belong*



# Quasar Helicopters Ltd

HELICOPTER CHARTER SERVICE

## INVOICE

Invoice Number

82240

Invoice Date

28 June 1982

Customer Number

010109000

Customer Order Number

TO: *B.G. Iles*

*July 5/82*


*from*  
R.H. Seraphin Engineering Ltd.  
316-470 Granville Street  
Vancouver, B.C.  
V6C 1V5

Helicopter Type  
Bell 47G3

Registration  
C-FYHN

ATC Area  
9.0

Period/Order Date  
13 - 20 June 1982

Description		Amount
Flying Hours: 27.3 @ \$240		\$ 6552.00
TOTAL		\$ 6552.00
<i>D.K</i> $\begin{matrix} 1.4 \\ 0.8 \\ 1.9 \\ \hline 4.1 \end{matrix}$ $C \overset{\$}{240} =$		<del>6552.00</del> <i>984.00</i>
<i>Approved</i> 		

Terms of payment are net 30 days from date of invoice, interest at 2% per month (being 24% per annum), will be charged on overdue accounts.

# QUASAR AVIATION LTD.



**VANCOUVER**  
 150 - 10451 SHELLBRIDGE WAY  
 RICHMOND, B.C. V6X 2W8  
 (604) 270-9696 Telex: 04-357633

**CALGARY**  
 460 McTAVISH ST. N.E.  
 CALGARY, ALTA. T2E 7G5  
 (403) 230-1331 Telex: 03-821901

No **10682**

## FLIGHT REPORT

Date: **18** Day **06** Month **82** Year **Bell 47**

A/C Regn.: **C-FYHM**

Pilot: 1: **Belongo** Empl. No.: **8000**

Pilot: 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 1: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Customer Name and Address

**Seraphim Eng**

Authorization No.: \_\_\_\_\_

Customer No.: **010109000** Contract No.: \_\_\_\_\_

ATC Area: **P10** Contract Type:  Hourly  Daily Min.  Monthly  Other

Location	Operation	Time-Off	Time-Down	Flying Hours
Lobo lake	Put out Geochem Crews (Beaver)	09:10	09:40	.5 DK
Beaver	Kecan Gassin → Return Lobo	10:20	10:55	.6
Lobolake	Geochem Crew → DK Claims → Kevan	11:55	14:25	.9 DK
Lobolake	Pick up Crews Kevan with Kecan	16:30	17:35	1.1 ✓

1.4 D

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal. \_\_\_\_\_ litres gal. @ \$ \_\_\_\_\_ = \$ \_\_\_\_\_

Total Revenue Hours **3.1**  
 Non-Revenue Hours \_\_\_\_\_

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Item	Extra Charge or Adjust.	Amount	Remarks:

Chart signat **P. G. G. G.** Signat **P. G. G. G.**







# Quasar Helicopters Ltd

HELICOPTER CHARTER SERVICE

## INVOICE

Invoice Number

82392

Invoice Date

31 July 82

Customer Number

010109000

Customer Order Number

TO:

Seraphim Engineering Ltd  
316 - 470 Granville St.  
Vancouver, B.C.  
V6C 1V5

Helicopter Type

Bell 47G3B

Registration

C-FYHN

ATC Area

9.0

Period Order Date

12 <sup>26</sup>/<sub>15</sub> July 82

Description

Amount

Flying Hours: 29.8 hours @ \$240.

\$ 7,152.00

TOTAL

\$ 7,152.00

D.K. 3.6 @ 240 = \$ 864

**We Have Moved!**

To Our Brand New Hangar and Office  
Facilities at Abbotsford Airport.

Our New Address is:

**QUASAR HELICOPTERS LTD.**

Box 565,

Abbotsford International Airport

Abbotsford, B.C. V2S 5Z5

Phone - (604) 853-1215 or 533-3994

Telex - 04-363565 "Quasar Hel Abb"

# QUASAR AVIATION LTD.

**VANCOUVER**  
 150 - 10451 SHELLBRIDGE WAY  
 RICHMOND, B.C. V6X 2W8  
 (604) 270-9696 Telex: 04-357633

**CALGARY**  
 460 McTAVISH ST. N.E.  
 CALGARY, ALTA. T2E 7G5  
 (403) 230-1331 Telex: 03-821901

No **107112**

## FLIGHT REPORT

Date:  Day  Month  Year **Bell 47**

A/C Regn.:  **Bell 47**

Pilot: **Belongo** Empl. No.: **2030**

Pilot: 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 1: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Engr. 2: \_\_\_\_\_ Empl. No.: \_\_\_\_\_

Customer Name and Address  
**Seraphim Eng Ltd**

Authorization No.: \_\_\_\_\_

Customer No.: \_\_\_\_\_ Contract No.: \_\_\_\_\_ ATC Area: **910**

Contract Type:  H - Hourly  D - Daily Min.  M - Monthly  O - Other

Location	Operation	Time-Off	Time-Down	Flying Hours
<b>Ho lake</b>	<b>Drop off State Crew Move #2 Camp</b>	<b>07:55</b>	<b>20:35</b>	<b>3.6</b>

FUEL & OIL SUPPLIED BY  Quasar  Charterer  Litre  Gal.

\_\_\_\_\_ litres @ \$ \_\_\_\_\_ gal. = \$ \_\_\_\_\_

Total Revenue Hours **3.6**  
 Non-Revenue Hours \_\_\_\_\_

By the chartering of the noted services or the signing of this Flight Report, the Charterer acknowledges that all conditions associated with this charter shall be as set out in the Tariff filed with the A.T.C., which is available for examination at the office of Quasar Aviation Ltd.

Item	Extra Charge or Adjust.	Amount	Remarks:

Charterer's Signature: **Donald König** Pilot's Signature: **[Signature]**





# WATSON LAKE FOODS LIMITED

Groceries - Fresh Meats - Produce  
P.O. BOX 200, WATSON LAKE, YUKON  
Y0A 1G0

Phone 536-2230  
Phone 536-2250

~~Karst # 50~~  
W.L # 30

## STATEMENT OF ACCOUNT

Name: R. H. Scaphin Engineering  
Address: 316-470 Stranville  
Hammer, B.C. V6C 1V5

DATE	INVOICE NO.	CHARGE	DEBIT	CREDIT	BALANCE
June 14/82	53261	75.23 /	-	-	75.23
14	53263	55.84 /	-	-	131.12
15	53370	220.99 /	-	-	352.11
15	53257	22.58 /	-	-	374.69
15	53266	244.52 /	-	-	619.21
15	53368	113.16	-	-	732.39
15	53481	216.84 /	-	-	949.23
15	53479	568.64 /	-	-	1517.87
15	53480	241.61 /	-	-	1759.48
15	53265	198.71 /	-	-	1958.19
15	53482	261.89 /	-	-	2220.08
15	53467	34.32 /	-	-	2254.40

*J.K.*  
*in part*

### THIS IS AGE OF YOUR ACCOUNT

Current	14 Days	28 Days	42 Days	Over 42 Days

Account due when rendered  
1% per month charged on overdue accounts

W.L. 136



# WATSON LAKE FOODS LIMITED

Groceries — Fresh Meats — Produce  
P.O. BOX 209, WATSON LAKE, YUKON  
YGA 1C0

#952, 22  
Phone 536-2230  
Phone 536-2250

## STATEMENT OF ACCOUNT

Name R. H. Thompson  
Address 316 - 410  
Van ...

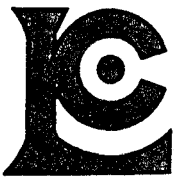
DATE	INV NO	CHARGE	CREDIT	BALANCE
June 29/6				1653.78
July 1/6	53111	21.71 ✓		1675.49
6	53114	21.56 ✓		1730.05
8	50093	W.L. 110	1133.78	296.27
9	51646	42.12	1633.78	343.28
6	53417	128.26 ✓		471.52
9	50654	124.26 ✓		595.78
10	53326	30.62 ✓		626.40
June 30/6	53406	146.64 ✓		773.04
July 15/6	50098	26.18 ✓		799.22
16	50024	153.00 ✓		952.22

*D.R. part*

### THIS IS AGE OF YOUR ACCOUNT

Current	14 Days	28 Days	42 Days	Over 42 Days
---------	---------	---------	---------	--------------

Account due when rendered  
1% per month charged on overdue accounts



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

\*\*\* INVOICE \*\*\*

To : SERAPHIM, DR. R. H.

Invoice # : I8211814

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

Date : 12-JUL-82  
P.O. # : NONE  
Project

ATTN: DONALD KRONIG

Invoice for analytical work reported on certificate(s) A8211814-001 to -006

Quantity	Analysed for code description	unit price	amount
240	002 - Cu ppm		
	004 - Pb ppm		
	005 - Zn ppm	3.40	816.00

Sample preparation and other charges :

231	201 - soil + sediment -80 mesh	0.60	139.60
9	203 - -35 mesh sieve + ring	1.50	13.50

TOTAL \$ 968.10

Please pay this amount ----> \$ 968.10  
=====

TERMS -- NET 30 DAYS

2.0 % per month (24 % per annum) charged on overdue accounts



MEMBER  
CANADIAN TESTING



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

\*\*\* INVOICE \*\*\*

To : SERAPHIM, DR. R. H.

Invoice # : 18211815

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

Date : 12-JUL-82  
P.O. # : NONE  
Project

ATTN: DONALD KRONIG

Invoice for analytical work reported on certificate(s) A8211815-001 to -006

Quantity	Analysed for code description	unit price	amount
227	002 - Cu ppm		
	004 - Pb ppm		
	005 - Zn ppm	3.40	771.80

Sample preparation and other charges :

218	201 - soil + sediment -80 mesh	0.60	130.80
9	203 - -35 mesh sieve + ring	1.50	13.50

TOTAL \$ 916.10

Please pay this amount ----> \$ 916.10

TERMS -- NET 30 DAYS

1.0 % per month (24 % per annum) charged on overdue accounts



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

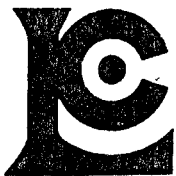
CERT. # : A8211814-001  
INVOICE # : I8211814  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
0+00N 02+00E	201	10	10	115	--	--	--
0+00N 04+00E	201	17	22	495	--	--	--
0+00N 06+00E	201	35	23	715	--	--	--
0+00N 08+00E	201	25	21	665	--	--	--
0+00N 10+00E	201	29	14	465	--	--	--
0+00N 11+00E	201	28	17	455	--	--	--
0+00N 12+00E	201	27	16	410	--	--	--
0+00N 13+00E	201	19	12	320	--	--	--
0+00N 14+00E	201	17	16	375	--	--	--
0+00N 15+00E	201	26	18	395	--	--	--
0+00N 02+00W	201	13	14	430	--	--	--
0+00N 04+00W	201	10	8	183	--	--	--
0+00N 06+00W	201	13	6	170	--	--	--
0+00N 08+00W	201	20	21	510	--	--	--
0+00N 10+00W	201	16	8	220	--	--	--
0+00N 12+00W	201	18	11	191	--	--	--
0+00N 14+00W	201	8	12	163	--	--	--
0+00N 16+00W	201	10	10	220	--	--	--
2+00N 02+00E	201	32	20	770	--	--	--
2+00N 04+00E	201	29	23	620	--	--	--
2+00N 06+00E	201	10	8	760	--	--	--
2+00N 08+00E	201	76	15	910	--	--	--
2+00N 10+00E	201	13	11	280	--	--	--
2+00N 12+00E	201	20	10	930	--	--	--
2+00N 14+00E	201	19	3	126	--	--	--
2+00N 16+00E	201	25	20	460	--	--	--
2+00N 00+00W	201	11	12	330	--	--	--
2+00N 02+00W	201	265	52	6800	--	--	--
2+00N 04+00W	201	21	20	410	--	--	--
2+00N 06+00W	201	13	11	600	--	--	--
2+00N 08+00W	201	17	9	205	--	--	--
2+00N 10+00W	201	23	15	480	--	--	--
2+00N 12+00W	201	13	16	455	--	--	--
2+00N 14+00W	201	10	13	280	--	--	--
2+00N 16+00W	201	10	13	200	--	--	--
4+00N 02+00E	201	24	10	790	--	--	--
4+00N 04+00E	201	17	11	615	--	--	--
4+00N 06+00E	201	13	11	410	--	--	--
4+00N 08+00E	201	20	8	510	--	--	--
4+00N 10+00E	201	9	13	165	--	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211814-002-  
INVOICE # : I8211814  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
4+00N 12+00E	201	22	21	1050	--	--	--
4+00N 14+00E	201	25	18	670	--	--	--
4+00N 16+00E	201	24	12	375	--	--	--
4+00N 00+00W	201	21	17	340	--	--	--
4+00N 02+00W	201	25	16	395	--	--	--
4+00N 04+00W	201	7	12	149	--	--	--
4+00N 06+00W	201	13	19	155	--	--	--
4+00N 08+00W	201	16	12	245	--	--	--
4+00N 10+00W	201	10	9	59	--	--	--
4+00N 12+00W	201	13	20	400	--	--	--
4+00N 14+00W	201	27	30	1050	--	--	--
4+00N 16+00W	201	9	12	255	--	--	--
6+00N 00+00E	201	67	20	1650	--	--	--
6+00N 02+00E	201	8	11	205	--	--	--
6+00N 04+00E	201	9	6	355	--	--	--
6+00N 06+00E	201	25	14	620	--	--	--
6+00N 08+00E	201	11	6	320	--	--	--
6+00N 10+00E	201	11	1	360	--	--	--
6+00N 14+00E	201	20	18	540	--	--	--
6+00N 16+00E	201	26	15	410	--	--	--
6+00N 02+00W	201	17	17	735	--	--	--
6+00N 04+00W	201	22	24	620	--	--	--
6+00N 06+00W	201	10	19	310	--	--	--
6+00N 08+00W	201	20	25	480	--	--	--
6+00N 10+00W	201	16	10	370	--	--	--
6+00N 12+00W	201	33	20	680	--	--	--
6+00N 14+00W	201	46	38	1650	--	--	--
6+00N 16+00W	201	20	26	685	--	--	--
8+00N 00+00E	201	38	14	1800	--	--	--
8+00N 02+00E	201	36	38	1550	--	--	--
8+00N 04+00E	201	22	17	805	--	--	--
8+00N 06+00E	201	38	19	605	--	--	--
8+00N 10+00E	201	14	9	155	--	--	--
8+00N 12+00E	201	13	11	300	--	--	--
8+00N 16+00E	201	10	14	160	--	--	--
8+00N 02+00W	201	23	13	305	--	--	--
8+00N 04+00W	201	10	10	154	--	--	--
8+00N 06+00W	201	13	10	112	--	--	--
8+00N 08+00W	201	15	14	325	--	--	--
8+00N 10+00W	201	10	8	158	--	--	--



*Hart Bichler*

Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

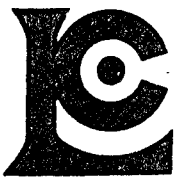
CERT. # : A8211814-003-  
INVOICE # : I8211814  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
8+00N 12+00W	201	22	16	285	--	--	--
8+00N 14+00W	201	14	16	285	--	--	--
8+00N 16+00W	201	28	35	500	--	--	--
10+00N 00+00E	201	27	16	485	--	--	--
10+00N 02+00E	201	32	39	945	--	--	--
10+00N 04+00E	201	17	26	740	--	--	--
10+00N 06+00E	201	19	12	905	--	--	--
10+00N 08+00E	201	20	33	710	--	--	--
10+00N 10+00E	201	11	7	250	--	--	--
10+00N 12+00E	201	11	9	162	--	--	--
10+00N 14+00E	201	24	18	365	--	--	--
10+00N 16+00E	201	19	15	305	--	--	--
10+00N 02+00W	201	18	9	440	--	--	--
10+00N 04+00W	201	25	16	176	--	--	--
10+00N 06+00W	201	22	24	410	--	--	--
10+00N 08+00W	201	17	19	560	--	--	--
10+00N 10+00W	201	16	20	375	--	--	--
10+00N 12+00W	201	28	17	320	--	--	--
10+00N 14+00W	201	33	20	475	--	--	--
10+00N 16+00W	201	43	26	680	--	--	--
12+00N 00+00E	201	40	25	645	--	--	--
12+00N 02+00E	201	17	26	340	--	--	--
12+00N 04+00E	201	23	15	695	--	--	--
12+00N 06+00E	201	14	11	745	--	--	--
12+00N 08+00E	201	25	36	1600	--	--	--
12+00N 10+00E	201	11	15	375	--	--	--
12+00N 12+00E	201	61	12	660	--	--	--
12+00N 14+00E	201	19	5	81	--	--	--
12+00N 16+00E	201	13	14	180	--	--	--
12+00N 02+00W	201	16	20	157	--	--	--
12+00N 04+00W	201	11	12	245	--	--	--
12+00N 06+00W	201	32	42	1400	--	--	--
12+00N 08+00W	201	23	17	375	--	--	--
12+00N 10+00W	201	19	19	380	--	--	--
12+00N 12+00W	201	20	19	385	--	--	--
12+00N 14+00W	201	28	22	585	--	--	--
12+00N 16+00W	201	11	11	173	--	--	--
14+00N 00+00E	201	23	11	330	--	--	--
14+00N 02+00E	201	12	16	190	--	--	--
14+00N 04+00E	201	11	12	169	--	--	--



Certified by *Haut B* *ler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221

TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211814-004-

INVOICE # : I8211814

DATE : 12-JUL-82

P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
14+00N 06+00E	201	17	21	230	--	--	--
14+00N 08+00E	201	19	20	1950	--	--	--
14+00N 10+00E	201	15	12	500	--	--	--
14+00N 12+00E	201	10	9	285	--	--	--
14+00N 14+00E	203	23	17	450	--	--	--
14+00N 16+00E	203	34	17	275	--	--	--
14+00N 02+00W	203	33	2	110	--	--	--
14+00N 04+00W	201	12	33	196	--	--	--
14+00N 06+00W	201	18	20	500	--	--	--
14+00N 08+00W	201	10	14	230	--	--	--
14+00N 10+00W	201	28	25	435	--	--	--
14+00N 12+00W	201	18	24	410	--	--	--
14+00N 14+00W	201	19	16	410	--	--	--
14+00N 16+00W	201	16	19	560	--	--	--
16+00N 02+00E	201	36	34	725	--	--	--
16+00N 04+00E	201	50	32	1250	--	--	--
16+00N 06+00E	201	26	17	250	--	--	--
16+00N 08+00E	201	11	10	225	--	--	--
16+00N 10+00E	201	15	9	370	--	--	--
16+00N 12+00E	201	20	8	325	--	--	--
16+00N 14+00E	203	18	6	930	--	--	--
16+00N 16+00E	201	18	23	400	--	--	--
16+00N 02+00W	203	7	2	31	--	--	--
16+00N 04+00W	201	12	12	375	--	--	--
16+00N 06+00W	201	19	15	330	--	--	--
16+00N 08+00W	201	9	14	128	--	--	--
16+00N 10+00W	201	21	18	385	--	--	--
16+00N 12+00W	201	27	17	181	--	--	--
16+00N 14+00W	201	32	22	600	--	--	--
16+00N 16+00W	201	10	15	380	--	--	--
BL 22+00N	201	9	11	81	--	--	--
BL 24+00N	201	6	9	68	--	--	--
BL 26+00N	201	11	15	179	--	--	--
BL 28+00N	201	6	10	81	--	--	--
BL 30+00N	201	10	8	107	--	--	--
BL 32+00N	201	13	10	162	--	--	--
BL 34+00N	201	8	9	132	--	--	--
BL 36+00N	201	15	14	230	--	--	--
BL 38+00N	203	24	5	107	--	--	--
BL 40+00N	201	11	9	67	--	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211814-005-  
INVOICE # : 18211814  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
BL 42+00N	201	10	13	74	--	--	--
BL 44+00N	201	10	13	74	--	--	--
BL 46+00N	201	22	12	146	--	--	--
BL 46+50N	201	51	8	520	--	--	--
BL 48+00N	201	10	14	120	--	--	--
BL 50+00N	201	33	13	187	--	--	--
BL 52+00N	201	17	17	114	--	--	--
BL 54+00N	201	18	14	133	--	--	--
BL 56+00N	201	15	10	47	--	--	--
BL 58+00N	201	16	8	110	--	--	--
BL 60+00N	201	9	12	69	--	--	--
16E 18+00N	201	19	14	325	--	--	--
16E 20+00N	201	40	9	405	--	--	--
16E 22+00N	201	16	10	340	--	--	--
16E 24+00N	201	22	10	750	--	--	--
16E 26+00N	201	51	10	2800	--	--	--
16E 28+00N	201	9	10	146	--	--	--
16E 30+00N	201	19	10	116	--	--	--
16E 32+00N	201	10	10	144	--	--	--
16E 34+00N	203	27	3	580	--	--	--
16E 36+00N	201	30	12	148	--	--	--
16E 38+00N	201	59	18	59	--	--	--
16E 40+00N	201	32	15	187	--	--	--
16E 42+00N	201	9	10	75	--	--	--
16E 44+00N	201	14	9	69	--	--	--
16E 46+00N	201	12	15	146	--	--	--
16E 48+00N	201	12	14	93	--	--	--
16E 50+00N	201	14	12	80	--	--	--
16+20E 52+00N	201	64	18	66	--	--	--
16E 56+00N	201	16	8	86	--	--	--
16E 58+00N	201	43	11	165	--	--	--
16E 60+00N	201	9	9	61	--	--	--
2+00S 8L	201	18	14	270	--	--	--
2+00S 02+00E	201	6	9	667	--	--	--
2+00S 04+00E	201	30	22	685	--	--	--
2+00S 06+00E	201	18	17	375	--	--	--
2+00S 08+00E	201	10	3	88	--	--	--
2+00S 10+00E	201	18	20	455	--	--	--
2+00S 12+00E	201	18	15	255	--	--	--
2+00S 14+00E	201	24	12	300	--	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211814-006-A

INVOICE # : I8211814

DATE : 12-JUL-82

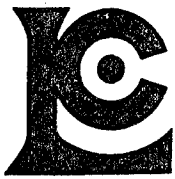
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
2+00S 16+00E	201	12	10	178	--	--	--
2+00S 02+00W	201	38	21	555	--	--	--
2+00S 04+00W	201	16	15	275	--	--	--
2+00S 06+00W	201	24	10	295	--	--	--
2+00S 08+00W	201	11	2	107	--	--	--
2+00S 10+00W	201	10	5	115	--	--	--
2+00S 12+00W	201	12	1	23	--	--	--
2+00S 14+00W	201	13	9	245	--	--	--
4+00S 02+00E	201	22	20	590	--	--	--
4+00S 04+00E	201	53	8	330	--	--	--
4+00S 06+00E	201	20	8	215	--	--	--
4+00S 08+00E	201	21	14	395	--	--	--
4+00S 10+00E	201	17	11	151	--	--	--
4+00S 12+00E	201	14	16	315	--	--	--
4+00S 14+00E	201	11	9	152	--	--	--
4+00S 16+00E	201	21	8	194	--	--	--
4+00S BL	201	25	5	295	--	--	--
4+00S 02+00W	201	35	17	505	--	--	--
4+00S 04+00W	201	16	12	240	--	--	--
4+00S 06+00W	201	23	25	635	--	--	--
4+00S 08+00W	201	23	13	490	--	--	--
4+00S 10+00W	201	19	1	68	--	--	--
4+00S 12+00W	201	22	2	125	--	--	--
4+00S 14+00W	203	10	1	110	--	--	--
6+00S 02+00E	201	10	10	167	--	--	--
6+00S 04+00E	201	10	9	230	--	--	--
6+00S 06+00E	201	17	12	345	--	--	--
6+00S 08+00E	201	10	5	90	--	--	--
6+00S 10+00E	201	15	13	235	--	--	--
6+00S 12+00E	201	10	16	205	--	--	--
6+00S 14+00E	201	21	11	195	--	--	--
6+00S 16+00E	201	22	25	630	--	--	--
6+00S BL	201	15	12	360	--	--	--
6+00S 2+30W	201	27	13	420	--	--	--
6+00S 04+00W	201	22	12	265	--	--	--
6+00S 06+00W	201	50	12	455	--	--	--
6+00S 08+00W	201	29	6	188	--	--	--
6+00S 10+00W	201	11	13	290	--	--	--
6+00S 12+00W	203	10	2	87	--	--	--
8+00S 02+00E	201	16	12	285	--	--	--

Certified by *Hunter* *Cher*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

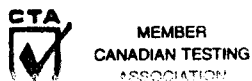
TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211815-001-  
INVOICE # : 18211815  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
8+00S 04+00E	201	13	8	118	--	--	--
8+00S 06+00E	201	16	31	555	--	--	--
8+00S 08+00E	201	14	8	137	--	--	--
8+00S 10+00E	201	11	9	151	--	--	--
8+00S 12+00E	201	10	11	131	--	--	--
8+00S 14+00E	201	9	12	360	--	--	--
8+00S 16+00E	201	15	20	310	--	--	--
8+00S BL	203	36	16	375	--	--	--
8+00S 2+20W	201	45	13	3200	--	--	--
8+00S 04+00W	201	19	9	620	--	--	--
8+00S 06+00W	201	17	8	164	--	--	--
8+00S 08+00W	201	40	13	425	--	--	--
8+00S 10+00W	201	53	18	710	--	--	--
8+00S 12+00W	201	44	5	265	--	--	--
8+00S 14+00W	201	19	12	230	--	--	--
8+00S 16+00W	201	16	19	385	--	--	--
10+00S 02+00E	201	14	14	345	--	--	--
10+00S 04+00E	201	10	8	180	--	--	--
10+00S 06+00E	201	18	13	275	--	--	--
10+00S 08+00E	201	21	15	330	--	--	--
10+00S 10+00E	201	21	7	123	--	--	--
10+00S 12+00E	201	20	13	265	--	--	--
10+00S 14+00E	201	21	14	320	--	--	--
10+00S 16+00E	201	20	14	305	--	--	--
10+00S BL	201	25	15	405	--	--	--
10+00S 02+00W	201	25	16	445	--	--	--
10+00S 04+00W	201	42	18	516	--	--	--
10+00S 06+00W	201	46	15	495	--	--	--
10+00S 08+00W	201	47	13	475	--	--	--
10+00S 10+00W	201	18	12	390	--	--	--
10+00S 12+00W	201	15	2	71	--	--	--
10+00S 14+00W	201	16	15	360	--	--	--
10+00S 16+00W	201	14	14	275	--	--	--
12+00S 02+00E	201	16	13	295	--	--	--
12+00S 04+00E	201	24	28	700	--	--	--
12+00S 06+00E	201	10	11	210	--	--	--
12+00S 08+00E	201	11	11	270	--	--	--
12+00S 10+00E	201	9	12	190	--	--	--
12+00S 12+00E	201	21	13	275	--	--	--
12+00S 14+00E	201	18	23	330	--	--	--



Certified by *Harold Schler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

- ANALYTICAL CHEMISTS

- GEOCHEMISTS

- REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SERAPHIM, DR. R. H.

316 - 470 GRANVILLE STREET  
VANCOUVER, B.C.  
V6C 1V5

CERT. # : A8211815-002-A  
INVOICE # : 18211815  
DATE : 12-JUL-82  
P.O. # : NONE

ATTN: DONALD KRONIG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm			
12+00S 16+00E	201	16	32	360	--	--	--
12+00S 8L	201	27	14	490	--	--	--
12+00S 02+00W	201	33	20	655	--	--	--
12+00S 04+00W	201	38	23	545	--	--	--
12+00S 06+00W	201	24	9	390	--	--	--
12+00S 08+00W	201	51	18	590	--	--	--
12+00S 10+00W	201	42	14	445	--	--	--
12+00S 12+00W	203	21	9	260	--	--	--
12+00S 14+00W	201	7	1	31	--	--	--
12+00S 16+00W	201	45	20	670	--	--	--
14+00S 02+00E	201	35	27	680	--	--	--
14+00S 04+00E	201	7	11	189	--	--	--
14+00S 06+00E	201	14	11	260	--	--	--
14+00S 08+00E	201	9	5	87	--	--	--
14+00S 10+00E	201	15	6	125	--	--	--
14+00S 12+00EA	203	30	5	225	--	--	--
14+00S 12+00EB	201	20	16	350	--	--	--
14+00S 14+00EA	201	16	6	210	--	--	--
14+00S 14+00EB	201	13	11	240	--	--	--
14+00S 16+00E	201	22	19	265	--	--	--
14+00S 8L	201	32	11	740	--	--	--
14+00S 02+00W	203	63	28	1900	--	--	--
14+00S 04+00W	201	79	22	535	--	--	--
14+00S 06+00W	201	42	5	182	--	--	--
14+00S 08+00W	201	33	14	405	--	--	--
14+00S 10+00W	201	33	20	690	--	--	--
14+00S 16+00W	201	13	11	325	--	--	--
16+00S 02+00E	201	62	30	1100	--	--	--
16+00S 04+00E	201	13	10	270	--	--	--
16+00S 06+00E	201	16	12	183	--	--	--
16+00S 08+00E	201	17	10	210	--	--	--
16+00S 10+00E	201	19	13	270	--	--	--
16+00S 12+00E	201	16	9	210	--	--	--
16+00S 14+00E	201	9	14	191	--	--	--
16+00S 16+00E	201	20	20	184	--	--	--
16+00S 8L	201	55	35	610	--	--	--
16+00S 02+00W	201	71	36	2300	--	--	--
16+00S 04+00W	201	34	36	705	--	--	--
16+00S 06+00W	201	29	10	385	--	--	--
16+00S 08+00W	203	47	12	475	--	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

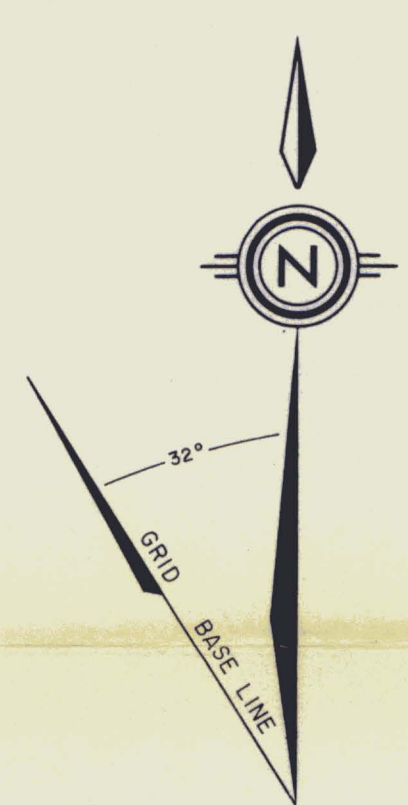
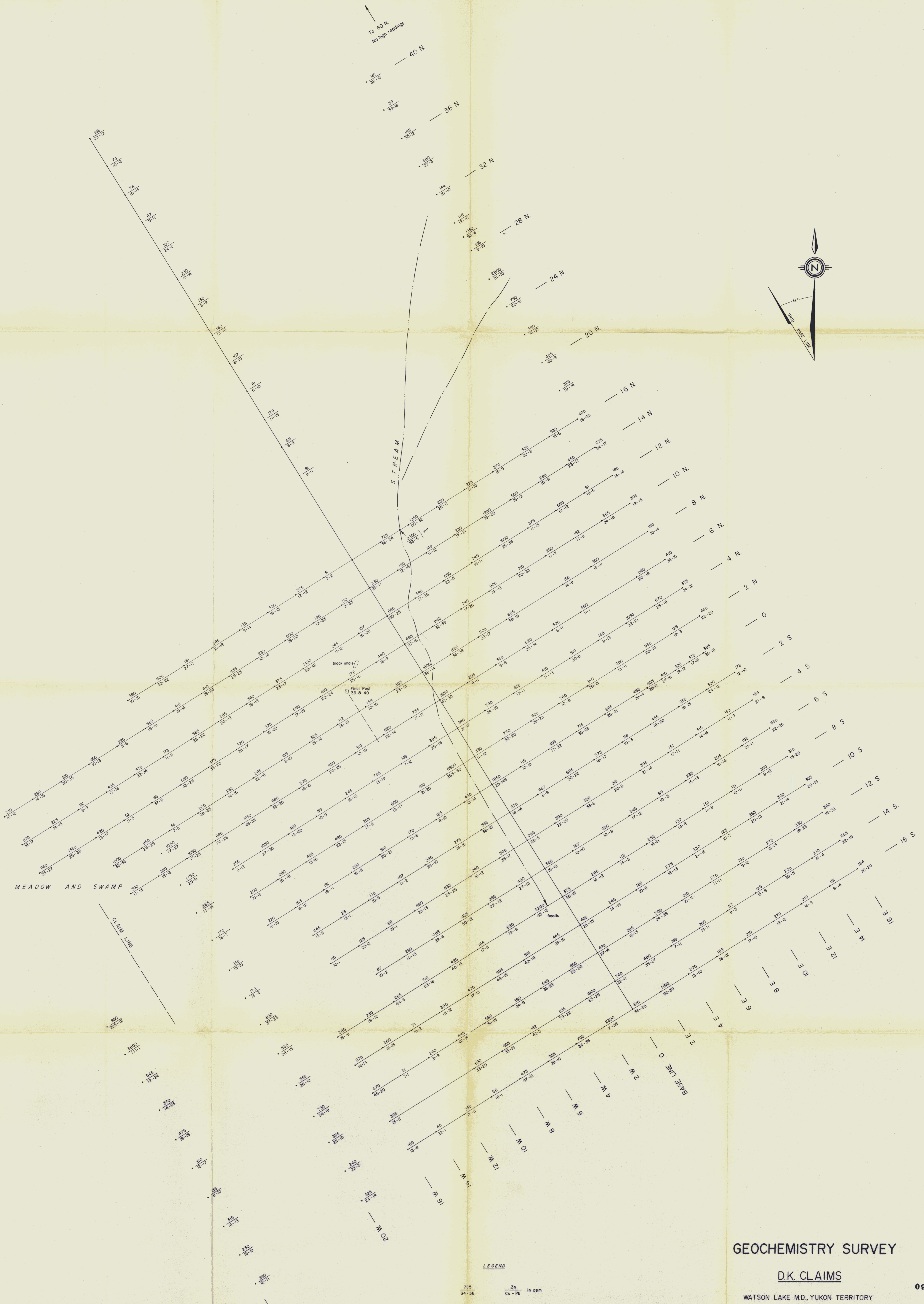
Certified by .....

*Hart*

*Chler*

.....

To 60 N  
No high readings



**LEGEND**

795  
34-36      Zn  
Cu - Pb      in ppm

**GEOCHEMISTRY SURVEY**

**D.K. CLAIMS**

WATSON LAKE M.D., YUKON TERRITORY

091080

