



094 085

Assessment Report
For
Nina 1-18 Quartz Claims
Little Salmon Lake Area

For
Copper Ridge Explorations Inc.

By
Bernie Kreft

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 \$ 1550.00.

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

Table Of Contents

Summary	1
Location.....	2
Access.....	2
Geology.....	2
Work Program.....	2
Conclusions And Recommendations.....	3
Sample Descriptions.....	4
Property Map.....	6
Sample Location Map.....	7

Summary

The Nina 1-18 quartz claims cover an occurrence of felsic metavolcanic hosted sulphide-bearing iron formation discovered by geologists working for the Yukon Geology Program. This showing strongly resembles the iron formation which is associated with the Kudz Ze Kayah deposit in the Finlayson Lake district.

Information regarding this discovery was first released to the public at the 1998 Yukon Geoscience Forum, causing a minor surge of interest in the area. A total of 22 claims were staked in the area, with 18 (Nina 1-18) being acquired on behalf of Copper Ridge.

Exploration work conducted on the claims during the summer of 1999 consisted of prospecting along with reconnaissance type soil, silt and rock sampling. This work showed that the amount of sulphide mineralization rapidly decrease on strike to the northwest of the showing. Soil, silt and rock sampling results from this area returned only a few slightly anomalous base metal values.

Location

The Nina 1-18 quartz claims are located adjacent to the north shore of Little Salmon Lake on NTS mapsheet 105-L-2 in the Whitehorse Mining District. The Robert Campbell Highway cuts through the extreme southeast end of the property.

Access

Access for the program was by foot from the Robert Campbell Highway. Due to moderate to steep slopes and locally dense underbrush, helicopter access is recommended for areas more than 3-4 kilometres from the highway, to ensure effective traverses.

Geology

Strata underlying the claims consists of a northwest trending sequence of Yukon Tanana Terrane sedimentary and volcanic rocks Mississippian in age. The sulphide showing is located at the contact between quartzite and felsic metavolcanic rocks. The felsic metavolcanic rocks thin to the northwest; this thinning is accompanied by a decrease in the sulphide content of the rocks.

Work Program

Exploration work consisted of reconnaissance style rock, silt and soil sampling. A total of 32 rock, 12 silt and 8 soil samples were during the various visits to the property. This work covered approximately 1500m of favourable stratigraphy along strike from the discovery showing. Rock sample results were generally low, with most of the anomalous results from the area of the discovery outcrop. One rock sample approximately 1350m on strike (and within the same stratigraphic position) of the discovery showing returned up to 17.7 ppm Ag, 412 ppm Cu, 321 ppm Pb and 153 ppm Zn. Silt samples contained up to 980 ppb Au. Re-sampling of the anomalous gold in silt sites did not confirm the original values. The initial anomalous values were returned by IPL, while the follow-up analysis were performed by NAL Whitehorse. Soil sampling showed a spike in copper/lead/zinc over the presumed position of the favourable horizon. Unfortunately peak values weren't high enough to suggest anything more than slightly anomalous bedrock, similar in tenor to results from other areas of the property.

Some time was also spent surveying (roughly) the boundaries of the Copper Ridge claims in relation to the northeast boundary of the competitors (VMS 1-4) claims. This work showed that the northeast corner of the VMS claims covers a 175m portion of the favourable stratigraphy between 1200m and 1375m along strike from the discovery outcrop.

Conclusions And Recommendations

Favourable geological strata is easily traced along strike to the NW using the thick white quartzite unit as a marker horizon. The greatest amount of sulphide mineralization appears to be concentrated in the immediate vicinity of the discovery outcrop. Best potential appears to be at depth in the vicinity of the showing, or along strike on the south shore of Little Salmon Lake.

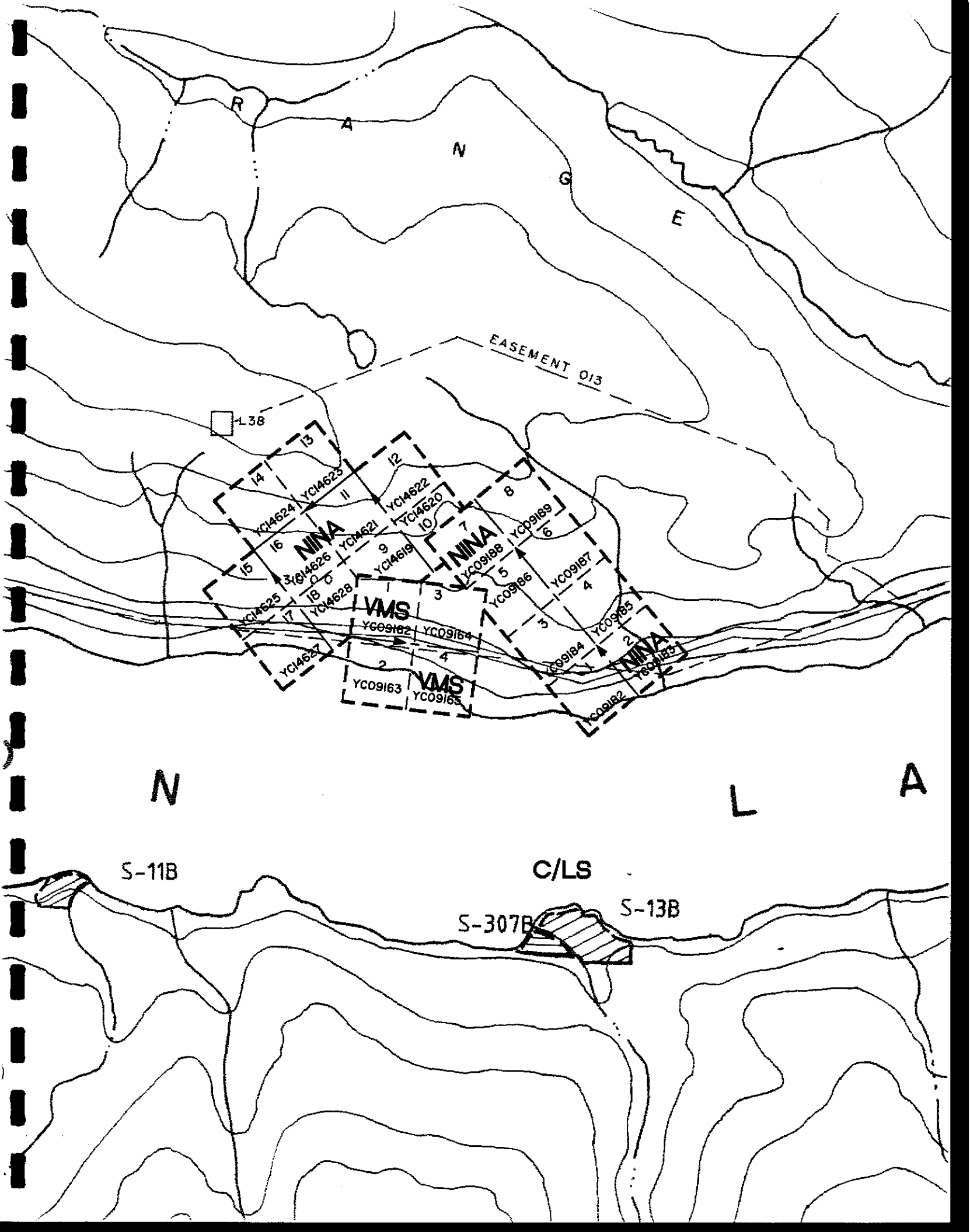
Further work consisting of geophysics over and to the NW of the showing is recommended. Some reconnaissance prospecting should be completed along the south shore of Little Salmon Lake.

Sample Descriptions

- N-1 – Soil sample over quartzite unit
- N-2 – Soil sample over discovery showing
- NS-1 – Silt sample 1st stream west of gov showing, 20m up from the road
- NS-2 – Silt sample 250m up from NS-1
- NS-3 – Silt sample 210m up from NS-2
- NS-4 – Silt sample 110m up from NS-3
- Out-1 – pyrite magnetite formation from gov discovery showing
- Out-2 – As above
- Out-3 – sheared creamy limonitic schist from discovery area
- Out-4 – as above
- Out-5 – xenolith/pod of non magnetic green pyritic schist within quartzite unit
- Out-6 – Sheared limonitic and pyritic schist
- Out-7 – fine-grained semi-massive pyrite and quartz material from disc showing (non magnetic)
- Out-8 – as per Out-6
- Out-9 – 0.15m sample gossanous green pyritic schist as per gov disc sample
- Out-10 – 0.8m sample tan limonitic weakly pyritic schist adjacent to Out-9
- Out-11 – 0.15m as per Out-9 adjacent to above
 - out 9-11 are about 1350m to 1450m NW of gov showing and occur at same stratigraphic position
- Out-12 – 0.4m chip as per Out-9 to 11 and about 300m along strike from
- Out-13 – felsic schist with minor pyrite
- Out-14 – tan coloured limonitic schist with possible diss base metal sulphides
- Out-15 – Pyritic quartz hornblende lens within the quartzite unit
- Out-16B – 6cm wide gossanous horizon within tan to burgundy quartz sericite schist
- Out-17B – 2cm as above
- Out-18 – 10cm as above
- Out-19 – 20cm sample across above
 - Out-16 to Out-19 all in vicinity of soil TP-4
- Out-20 – qtz chlorite schist with about 5% fine to coarse diss pyrite
- Out-21 – as above with limonite
 - samples occur in the same stratigraphic position as the gov disc outcrop ie. immediately SW of the thick quartzite unit
- Out-22 – green qtz sericite schist with about 0.25% cubic diss pyrite
- TP-1 to 7 – single line of soils at 20m spacings starting on the white quartzite unit and crossing over the inferred location of the favourable horizon, line starts at 518870/6896260

- Out-9B – 15cm chip quartz sericite schist with minor amounts of weakly banded qtz/pyrite
- Out-10B – 60cm chip as above
- Out-11B – 15cm chip limonitic qtz sericite schist with 1% diss pyrite
- PLS-1 – black graphitic shale with numerous bedding parallel leached vugs
- PLS-2 – limonitic green schist with qtz boudins and no visible sulphides
- PLS-3 – weak limonitic qtz sericite chlorite schist

PLS-4 – as above
PLS-5 – limonitic schist with numerous leached vugs
TPR-1 – limonitic chlorite schist with minor bedded qtz pyrite
TPR-2 – burgundy coloured qtz sericite schist
TPR-3 – qtz sericite schist with several small leached cavities
TPR-4 – qtz sericite chlorite schist with weak limonite
TPR-5 – qtz chlorite schist with about 10% fine diss pyrite and magnetite
NS-1B – silt at site of NS-1
NS-2B – silt at site of NS-2
NS-3B – silt at site of NS-3
NS-4B – silt at site of NS-4
NS-5 – silt sample 100m upstream from NS-4
NS-6 – silt sample 100m up from NS-5
NS-7 – silt sample 100m up from NS-6
NS-8 – silt sample 100m up from NS-7



R

A

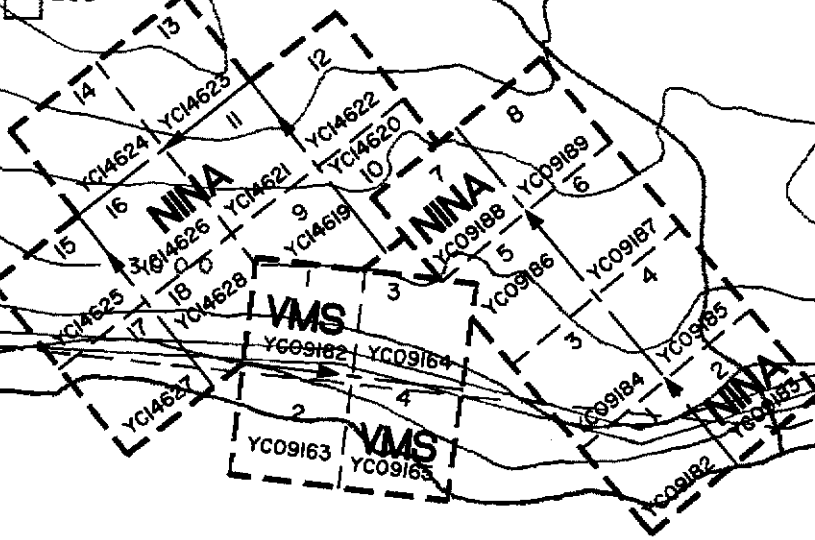
N

G

E

EASEMENT 013

1.38



N

L

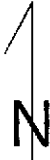
A

S-11B

C/LS

S-307B

S-13B



4000 ft

Approximate Outline
Nina 1-18 Claims

3500 ft

* NS-8

* NS-7

* NS-6

* NS-5, PLS1-5

* Out-20to22

* Out-12, 16to19, TP-1to7, TPR-1to5

* NS-4, 4B

* Out-9to11 and 9Bto11B

* NS-3, 3B

* NS-2, 2B

3000 ft

Contact Quartzite And
Felsic Schist Units

Quartzite

Felsic schist

* NS-1, 1B

Approximate
Outline VMS 1-4

2500 ft

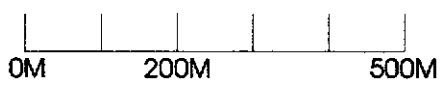
* N-1/2, Out-1to8, 13-15

Highway

2000 ft

Little Salmon Lake

Nina Claims
Sample Location Map
Scale 1:10,000



CERTIFICATE OF ANALYSIS

iPL 99E0397

2036 Columbia Street
 Vancouver, B.C.
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Out: May 21, 1999 Page 1 of 1
 In: May 19, 1999 Section 2 of 2

[039709:19:03:99052199]

INTERNATIONAL PLASMA LABORATORY LTD.

Client: Northern Analytical Laboratories 24 Samples
 Project: W/O 05646 24=Pulp

Sample Name	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
N1 - 80	10	14	2	3	0.05	1.08	0.30	1.94	0.40	0.20	0.02	0.04
N2 - 80	5	12	2	2	0.05	1.12	0.22	2.33	0.43	0.11	0.02	0.02
NS1 - 80	6	20	1	1	0.02	0.65	0.98	1.60	0.58	0.08	0.01	0.07
NS2 - 80	6	19	1	1	0.03	0.70	0.96	1.73	0.58	0.09	0.02	0.07
NS3 - 80	7	20	1	1	0.03	0.70	1.00	1.69	0.57	0.09	0.01	0.08
NS4 - 80	6	21	1	1	0.04	0.75	1.12	1.92	0.69	0.11	0.02	0.07
OUT - 1	5	10	7	2	0.01	3.24	0.68	18%	1.22	0.05	0.01	0.07
OUT - 2	6	30	6	2	0.01	3.29	3.30	14%	1.33	0.01	0.01	0.02
OUT - 3-44	5	12	4	1	<0.01	1.75	0.85	3.91	1.27	0.13	0.03	0.07
OUT - 4-50	12	15	3	1	<0.01	1.29	0.50	4.51	0.77	0.19	0.04	0.11
OUT - 5	7	4	11	3	0.01	3.24	0.24	14%	2.28	0.03	0.01	0.05
OUT - 6-7	13	9	3	2	<0.01	1.74	0.60	4.36	1.28	0.10	0.04	0.12
OUT - 7-55	3	4	4	<1	<0.01	0.29	0.04	16%	0.09	0.06	0.01	0.02
OUT - 8	11	36	9	1	0.05	0.87	0.71	2.90	0.78	0.24	0.04	0.08
OUT - 9	3	46	9	3	0.01	2.49	3.44	13%	1.71	0.04	0.02	0.04
OUT - 10	2	132	2	2	<0.01	0.40	13%	6.56	4.26	0.04	0.02	0.01
OUT - 11	2	87	10	3	<0.01	1.68	8.68	12%	2.37	0.04	0.02	0.13
OUT - 12	6	5	4	1	<0.01	1.97	0.17	6.23	0.84	0.08	0.04	0.03
N1 - 120	10	15	2	3	0.05	1.24	0.32	2.22	0.44	0.23	0.02	0.05
N2 - 120	6	13	2	2	0.05	1.23	0.25	2.55	0.47	0.12	0.02	0.02
NS1 - 120	7	36	1	1	0.03	0.94	1.79	2.07	0.85	0.13	0.02	0.10
NS2 - 120	8	33	1	1	0.03	0.94	1.67	2.00	0.80	0.13	0.02	0.09
NS3 - 120	8	34	1	2	0.03	1.00	1.73	2.17	0.91	0.14	0.02	0.09
NS4 - 120	8	31	2	1	0.04	0.94	1.86	2.20	1.00	0.16	0.02	0.09

Minimum Detection 2 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Maximum Detection 10000 10000 10000 10000 10.00 10.00 10.00 10.00 10.00 10.00 10.00 5.00 5.00
 Method ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP ICP
 ---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

28/07/99

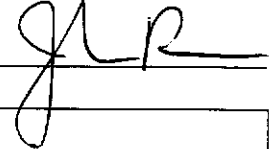
Certificate of Analysis

Page 1

Bernie Kreft

WO# 05694

Certified by



Sample #	Au ppb
ss40 NS-1B	8
ss40 NS-2B	10
ss40 NS-3B	8
ss NS-4B	12
ss40 NS-5	5
ss NS-6	73
ss40 NS-7	182
ss40 NS-8	35
r OUT-9B	16
r OUT-10B	7
r OUT-11B	<5
r PLS-1	5
r PLS-2	<5
r PLS-3	<5
r PLS-4	<5
r PLS-5	<5
r TPR-1	<5
r TPR-2	5
r TPR-3	6
r TPR-4	<5
r TPR-5	<5

02/06/99

Certificate of Analysis

Page 1

Bernie Kreft

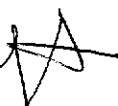
WO# 05649

Certified by

Sample #	Au ppb
r OUT - 13	30
r OUT - 14	9
r OUT - 15	35
r OUT - 16	55
r OUT - 16 B	56
r OUT - 17	15
r OUT - 17 B	23
r OUT - 18	23
r OUT - 19	10
r OUT - 20	<5
r OUT - 21	<5
r OUT - 22	<5
s TP - 1	<5
s TP - 2	<5
s TP - 3	7
s TP - 4	19
s TP - 5	9
s TP - 6	5

Statement Of Costs

Wages B.Kreft (4 days fieldwork x \$375/day)	= \$1500.00
Wages P.Christensen (2 days fieldwork x \$125/day)	= \$250.00
Wages B.Kreft (1 day report prep x \$375/day)	= <u>\$375.00</u>
TOTAL	= \$2125.00

Bernie Kreft 

Certification

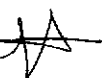
I, Bernie Kreft, was present and witnessed the exploration work described herein. I have twelve years experience prospecting in the Yukon.

This report is based on fieldwork conducted or witnessed by myself.

This report is based on work completed on and in the vicinity of the Nina 1-18 quartz claims.

This work was completed on May 15-16, June 18-19 and July 1-2, 1999.

Respectfully Submitted,

Bernie Kreft 

Bernie Kreft