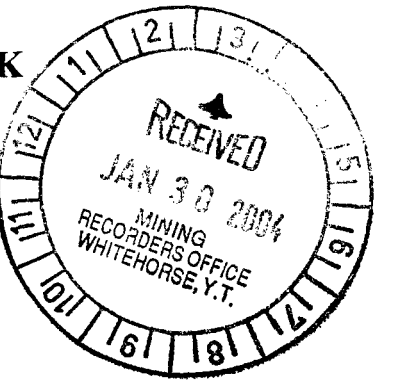
094453

# 2003 DIAMOND DRILLING and GRID WORK

on the

# CANYON GOLD GREW CREEK PROJECT




**Whitehorse Mining District**

**NTS: 105K/2**

**Latitude 62° 03´, Longitude 132° 50´**

## CANYON CLAIMS

**(May 29th – July 15th, 2003)**

**By: A. Carlos (owner of claims)**
**January 22, 2004**

**File Number: 03-050**

Costs associated with this report have been approved in the amount of $ 4950.00 for assessment credit under Certificate of Work No. QW27656

Mining Recorder
Whitehorse Mining District

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## APPENDICES

## INTRODUCTION

History of the Grew Creek deposit area leading to the present is detailed further on in this report. The spring and early summer of 2003 was spent in drilling a further 3 holes on Enzyme Leach Anomaly E, together with establishing as extended grid at partially defined anomaly D.

Initial Enzyme Leach soil survey was performed in year 2000.

## PROGRAM 2002

From May 29th to July 15th, 2003, the following work was performed:

a) Diamond drilling of 495' in 3 holes (Canyon 15).
b) Establishing 4.2 km. of additional chainsaw grid.
c) Augering of 137 soil samples (Enzyme Leach).

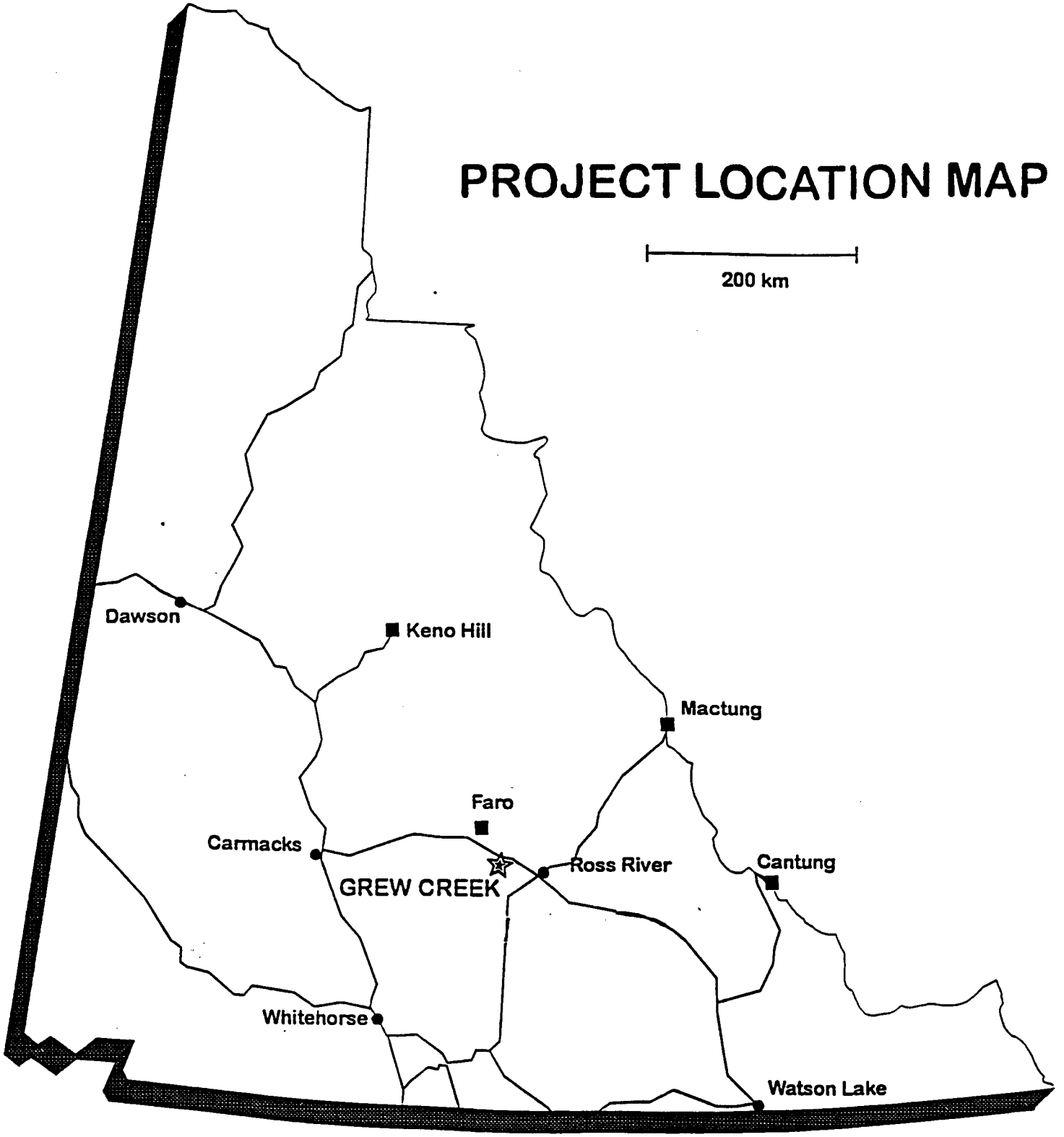
## DISCUSSION OF DIAMOND DRILLING

CGGC -11 was to hopefully explain and test the following:

a) Conventional multi-element geochemistry (fig.2, 2a).
b) A coincident airborne E.M. expression.
c) A marked resistivity decrease to the south.

It was not successful in this regard.

# PROJECT LOCATION MAP



Yukon
Energy, Mines and Resources

# Claim Status Report

17 May 2004

| | Claim Name and Nbr. | Grant No. | Expiry Date | Registered Owner | % Owned | NTS #'s |
|---|---|---|---|---|---|---|
| R | CANON 7 - 14 | YC08939 - YC08946 | 2016/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANON 1 - 6 | YC08793 - YC08798 | 2016/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 293 - 300 | YA85398 - YA85405 | 2018/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 85 - 94 | YA81204 - YA81213 | 2016/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 79 - 84 | YA81198 - YA81203 | 2020/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 73 - 78 | YA81192 - YA81197 | 2019/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 57 - 66 | YA81176 - YA81185 | 2016/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 51 - 56 | YA81170 - YA81175 | 2020/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 41 - 50 | YA81160 - YA81169 | 2019/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 33 - 40 | YA75753 - YA75760 | 2023/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 27 - 32 | YA75743 - YA75748 | 2023/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 17 - 26 | YA75733 - YA75742 | 2021/12/27 | A.M. Carlos | 100.00 | 105K02 |
| R | CANYON 1 - 16 | YA75717 - YA75732 | 2023/12/27 | A.M. Carlos | 100.00 | 105K02 |

**Criteria(s) used for search:**

CLAIM NAME: CANON, CANYON CLAIM STATUS: ACTIVE & PENDING OWNER(S): CARLOS A.M. REGULATION TYPE: QUARTZ

Total claims selected : 110

Left column indicator legend:

R - Indicates the claim is on one or more pending renewal(s).
P - Indicates the claim is pending.

Right column indicator legend:

L - Indicates the Quartz Lease.
F - Indicates Full Quartz fraction (25+ acres)
P - Indicates Partial Quartz fraction (<25 acres)
D - Indicates Placer Discovery
C - Indicates Placer Codiscovery
B - Indicates Placer Fraction

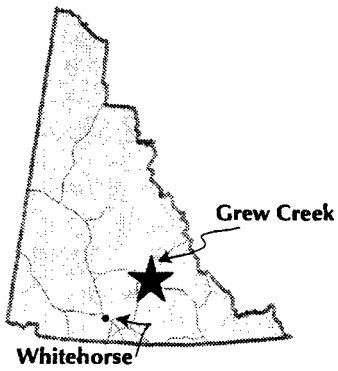
# GREW CREEK PROJECT

Owner: A. Carlos
Whitehorse, Yukon

Phone (867) 668-6309

## PROJECT STATUS

Available for option




**Location**
35 km west of Ross River

**Ownership**
A. Carlos

**Commodity**
Gold, silver

**Ore type**
Oxide

**Geological resource (drill-indicated)**
773,012 tonnes

Silver: 33 grams/tonne

Gold: 8.9 grams/tonne

**Proposed mining method**
Open-pit, 365 days per year

**Processing method**
Conventional mill, dore bar, 365 days per year

**Power**
3 MW, on-site diesel generation

## HISTORY

The original Grew Creek claims were staked by Whitehorse prospector A. Carlos in 1983 and optioned by the Mincan JV (Hudson Bay Mining and Minerals), which carried out an extensive exploration program from 1984 to 1986.

In 1987, the claims were optioned by Noranda, who subsequently signed a joint-venture agreement with Golden Nevada Resources and Brenda Mines. Results of the 1987 program triggered a flurry of claimstaking and exploration activity in the area. A large-scale exploration program continued in 1988. In 1989, Golden Nevada changed its name to Goldnev Resources and renegotiated the joint venture agreement to give it a 100% interest in the property.

In 1992, Wheaton River Minerals took an option to conduct an underground development program, however, the option was dropped shortly after.

YGC Resources Ltd. optioned the property in 1993, and completed a $150,000 drilling program at Grew Creek in 1995 and a 17 diamond-drill hole program in 1996. YGC terminated its option agreement with Carlos in January, 1997.

In 2000, a total of $36,000 was spent by A. Carlos exploring a new area 1.8 km from the main zone. He returned in 2001 to drill an additional five holes totalling 262 m, and continued to drill six holes totalling 415 m in 2002.

## PROJECT SUMMARY

The Grew Creek deposit can be mined by open-pit methods with a stripping ratio of 9:1, waste to ore. Metallurgical testing by Noranda in 1988 indicated that recoveries of 92% to 94% are possible using simple cyanide processing.

The Grew Creek property is located approximately 35 km west of Ross River and one km from the Robert Campbell Highway and the Whitehorse power grid. The property consists of 192 claims and is owned by A. Carlos of Whitehorse.

## GEOLOGY, MINERALOGY AND ORE RESERVES

The Grew Creek epithermal gold deposit is hosted by Eocene volcanic and sedimentary rocks deposited in a pull-apart basin within the Tintina Fault zone. The gold

occurs in stockwork quartz veins and hydrothermal breccias cutting hydrothermally altered rhyolite.

In the main zone, rhyolitic tuffs are juxtaposed by an east-west fault against a cyclic sequence of fluvial sediments. The faulted contact is partly intruded by a quartz-feldspar porphyry dyke. The pyroclastic rocks, dyke, fault and sediments all dip steeply to the north. The volcanic rocks are hydrothermally altered to illite-quartz and illite-quartz-adularia assemblages, with an outer propylitic halo.

Mineralization consists of pyrite, marcasite, arsenopyrite, chalcopyrite, argentite, electrum, silver selenides, galena and sphalerite. Fluorite is also present in the Tarn zone. Gangue minerals include quartz, adularia, carbonates, and quartz pseudomorphs after calcite. In the main zone, gold and silver occur as micron-size grains in chalcedony stringer stockworks and adjacent silicified tuffs. There is a good correlation between gold and silver, with a gold:silver ratio of about 1:4 for ore-grade mineralization, which occurs in an elongated zone trending west northwest. The mineralization is strongly anomalous in arsenic and mercury, but mercury shows only a weak correlation with gold and silver. Most high mercury values lie along the fault, above the gold-silver zone.

Initial drilling on the main zone gave a best intersection of 11.7 grams/tonne Au and 150.9 grams/tonne Ag across 31.4 m while the best section exposed in a trench assayed 3.6 grams/tonne Au and 15.3 grams/tonne Ag across 13 m. The 1989 drilling focused on the main zone, with the best hole returning 10.5 grams/tonne Au over 13 m.

The Tarn zone, located 2 km to the east, consists of quartz-fluorite-chalcedony stockworks and localized silicification within a 900 x 100 m zone of sericitized rhyolite dykes and tuff. The best assays were 150 ppb Au across 2.0 m in a trench and 520 ppb Au over 1.5 m in a drill hole.

Prospecting in the area is difficult due to a thick cover of glacial till. Plouffe (1989) showed that gold is concentrated in the silt- and clay-size fraction down ice from the Grew Creek deposit, but the common pathfinder elements Ag, Sb, As and Hg show little correlation with the gold distribution.

In 1991, a trench in the K410 zone, 15 km northwest of the deposit, uncovered intensely iron-stained, highly fractured acid-leached volcanic rocks. Carlos excavated four hand pits to bedrock in 1992 and encountered intensely clay-altered Eocene sediments with hematite-rich bands. Samples from the pits returned anomalous values of mercury and barium, and a heavy mineral concentrate from 45 kg of glacial till in Pit #2 assayed 9,320 ppb Au.

The 1993 diamond drilling intersected strongly altered volcanic rocks beneath a zone of hydrothermal alteration exposed in a surface trench.

The 1994 drilling showed that mineralization in the South Zone consists of an extensive quartz-adularia stringer stockwork of low-grade Au-Ag values. The best intersections were 2.33 grams/tonne Au and 4.1 grams/tonne Ag over 10.4 m. The South Zone mineralization appears to be connected with the Main Zone mineralization, but further drilling between the two zones needs to be carried out to confirm this theory. Drilling in the Main Zone confirmed earlier reported grades. The best intersection was 1.69 grams/tonne Au and 3.0 grams/tonne Ag over 24 m.

In 2000, a total of 450 soil samples were grid-collected over a 2 km area and analyzed by the enzyme leach method. Three new geochemical targets were delineated in a favourable structural area north of the Tarn zone, adjacent to the Robert Campbell Highway.

In 2001, five holes were drilled and a hydrothermal breccia was intersected. Additional drilling was conducted in 2002.

## PRODUCTION PLANS

In 1989, Orcan Mineral Associates estimated geological reserves of 773,012 tonnes grading 8.9 grams/tonne Au and 33.6 grams/tonne Ag at a cut-off grade of 0.2 grams/tonne and containing a higher grade reserve of 184,947 tonnes grading 12.1 grams/tonne Au.

At 233 ft. we had a machine breakdown. Rather than sit idly by waiting for repairs – we decided to spend the time moving to a new set-up, as the hole wasn't looking very interesting. This was perhaps a wrong decision. At some point, further drilling to the south is required.

Hole 12 and 13 cut a very silicified and clay-fracture zone – interesting, but with no Au values. It was successful however, in explaining the V.L.F. feature.

## CONCLUSIONS

Further diamond drilling is required on Anomaly E, particularly at least one deep test.

In 1983, Jim Morin (Diand geologist) believed that the character of veining at the mineralized outcrop (fig. 2) was of a high level nature within the epithermal system.

Results of 16 holes drilled in the vicinity suggest that Jim Morin's observations were correct.

Professional interpretation of the additional sampling of anomaly D should soon be completed. Casual study of raw data obtained confirm the presence of and further definition of this anomalous area.

GRID EXTENSION (2003)

SEE FIG. 4

9+300E
9+400E
9+500E
9+600E
9+700E
9+800E
9+900E
10+000E
10+100E
10+200E
10+300E
10+400E
10+500E
10+600E
10+700E
10+800E
10+900E
11+000E
11+100E
11+200E
11+300E
11+400E

WL 775.5
WL 782.0

DANGER CK. FAULT

A
B
C
D

B.L. 10+000N 135° az.

ENZYME LEACH "Sb" APICAL ANOMALY

A, B and D OCCUR AS Sb OXIDATION HALOS

OUTCROP ( Au to 2110 PPB )

ENZYME LEACH ANOMALY "E" (APICAL)

SCALE: 1:10,000

GREW CREEK DEPOSIT

GREW CREEK FAULT

FIG. 1

## CANYON GOLD — Grew Creek project

DATA COMPILATION, OVERLAIN ON ENZYME LEACH ANOMALY "E"

LEGEND:

- CONVENTIONAL SOIL SURVEY — 1988: # 28 = Au in PPB
- V.L.F. ANOMALOUS AREA (WITHIN STIPPLES)
- AIRBORNE E.M. DOT PLOT TREND
- CGGC DIAMOND DRILL HOLE LOCATIONS (2001) (2002) (2003)
- MODERATE INCREASE IN POLARIZATION (Noranda 1987)
- PROBABLE FAULT ZONE (AIRBORNE INT.)

SCALE: 1:2500

B.L. 10,000N (2000)

12+300 E

POWER TRANS. LINE

DDH 95-172 (-50°)
Au 65-215 ppb
PYRITE 7-12%

SILICIFIED Cong.
Au to 2110 ppb

9600N (1988 BASE LINE)

MAJOR AIR PHOTO LINEAR

ANOMALY E

12+400 E

12+500 E

11000E

1200E

1400E

Halo II

Halo I

Apical high

Anomaly

FIG. 2

## CANYON GOLD — Grew Creek project

DATA COMPILATION, OVERLAIN ON ENZYME LEACH ANOMALY "E"

LEGEND:

- CONVENTIONAL SOIL SURVEY – 1988 : × 28= Au in PPB
- V.L.F. ANOMALOUS AREA (WITHIN STIPPLES)
- AIRBORNE E.M. DOT PLOT TREND
- CGGC DIAMOND DRILL HOLE LOCATIONS (2001)(2002) **(2003)**
- MODERATE INCREASE IN POLARIZATION (Noranda 1987)
- PROBABLE FAULT ZONE (AIRBORNE INT.)

LEGEND:

Hg

Ba

Mn

Ca ANOMALY AXIS — VERY HIGH

AS FIG.2 – NOW OVERLAIN BY ENZYME LEACH INT.

PLUS KEY CONVENTIONAL GEO-CHEM PEAKS.

B.L. 10,000N (2000)

POWER TRANS. LINE

12+300 E

DDH 88-172; L-50%
Au 65-215 ppb
PYRITE 7-12%

SILICIFIED Conq.
Au to 2110 ppb

Halo II

Halo I

9600N (1988 BASE LINE)

REDUCED (LOW)
ENZYME LEACH ZONE

Pd CONTOUR

ANOMALY E

Apical high

POST 2 CANYON 15

2003 TARGET

Anomaly

12+400 E

12+500 E

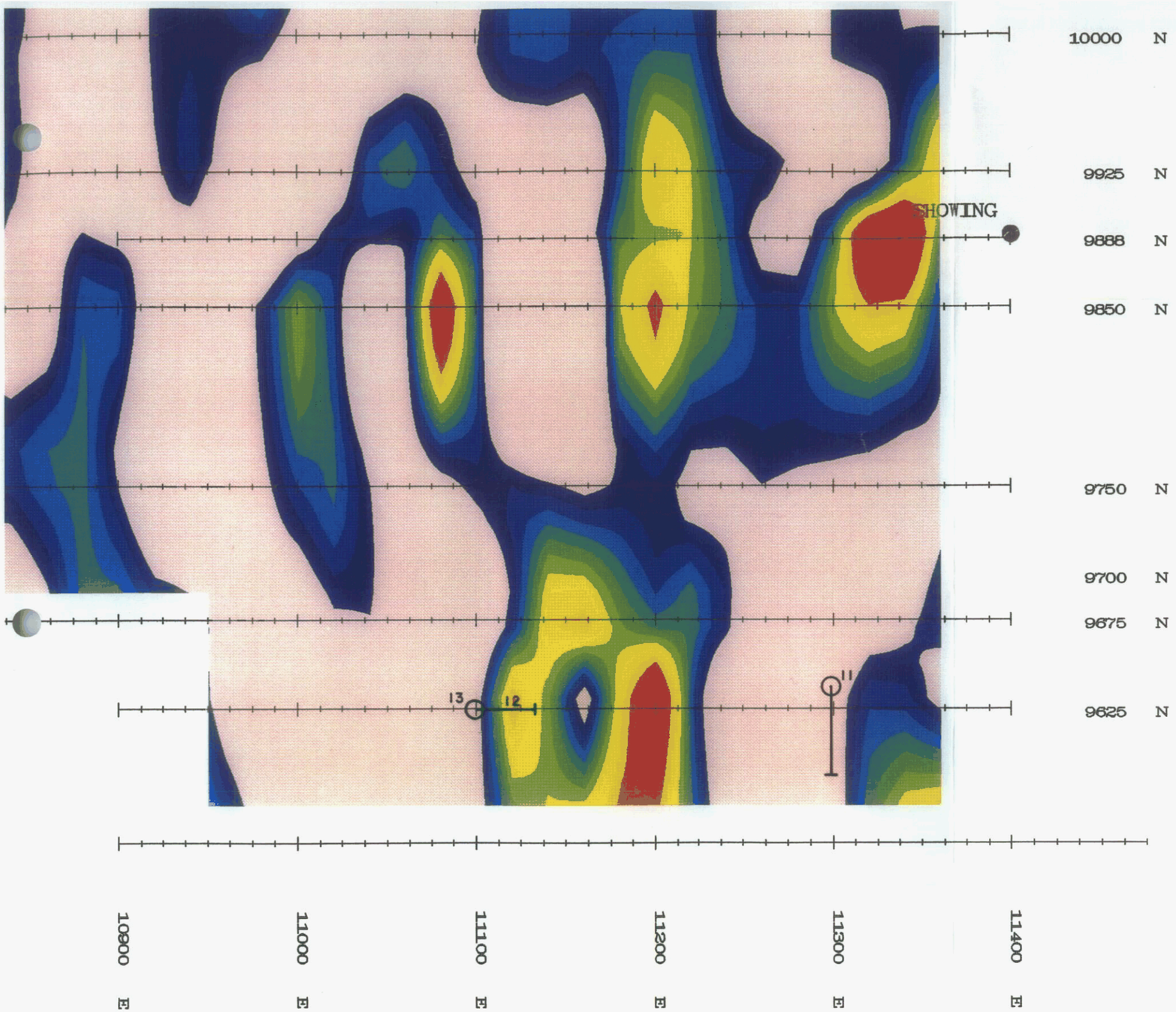
1100E

1200E

1400E

SCALE: 1:2500

FIG. 2a




CANYON GOLD GREW CREEK DRILL HOLES (2003)

Fraser Filtered In-phase (%)

GRID CELL SIZE: 20m (N) x 10 m (E)

CONTOUR INTERVALS: 2, 10 %

FILTERS: Fraser

0 200

metres

Scale: 1:2,500

ALLAN CARLOS

# GREW CREEK PROJECT

## VLF SURVEY - HAWAII
## FRASER FILTERED IN-PHASE
## FIGURE 3

| | |
|---|---|
| NTS: 105 K/2 | Datum: NAD27 |
| Mining District: Whitehorse, YT | |
| Job: 2000-020 | Date: 07 DEC 00 |

AMEROK GEOSCIENCES LTD.

# APPENDIX 1

## STATEMENT OF QUALIFICATIONS

## ALLEN M. CARLOS, PROSPECTOR

I, Allen M. Carlos of Whitehorse, Yukon Territory, hereby certify that:

1. I have been actively engaged as a mineral prospector in Western Canada for 35 years, initially for a major company, then as an independent.

2. I studied 3 years at the University of Saskatchewan:
One year of Engineering followed by 2 years Arts and Science (Geology).

3. I worked one year in northern Saskatchewan as a student assistant for the Department of Mineral Resources.

4. I have for the last 18 years spent much time researching papers regarding Volcanic Hosted Epithermal type deposits.

5. In 1983 I was responsible for discovering the Grew Creek precious metal deposit, the first epithermal deposit of this type along the Tintina Trench in Yukon.

6. I planned and with the aid of my sons, carried out the current program.

Signed,

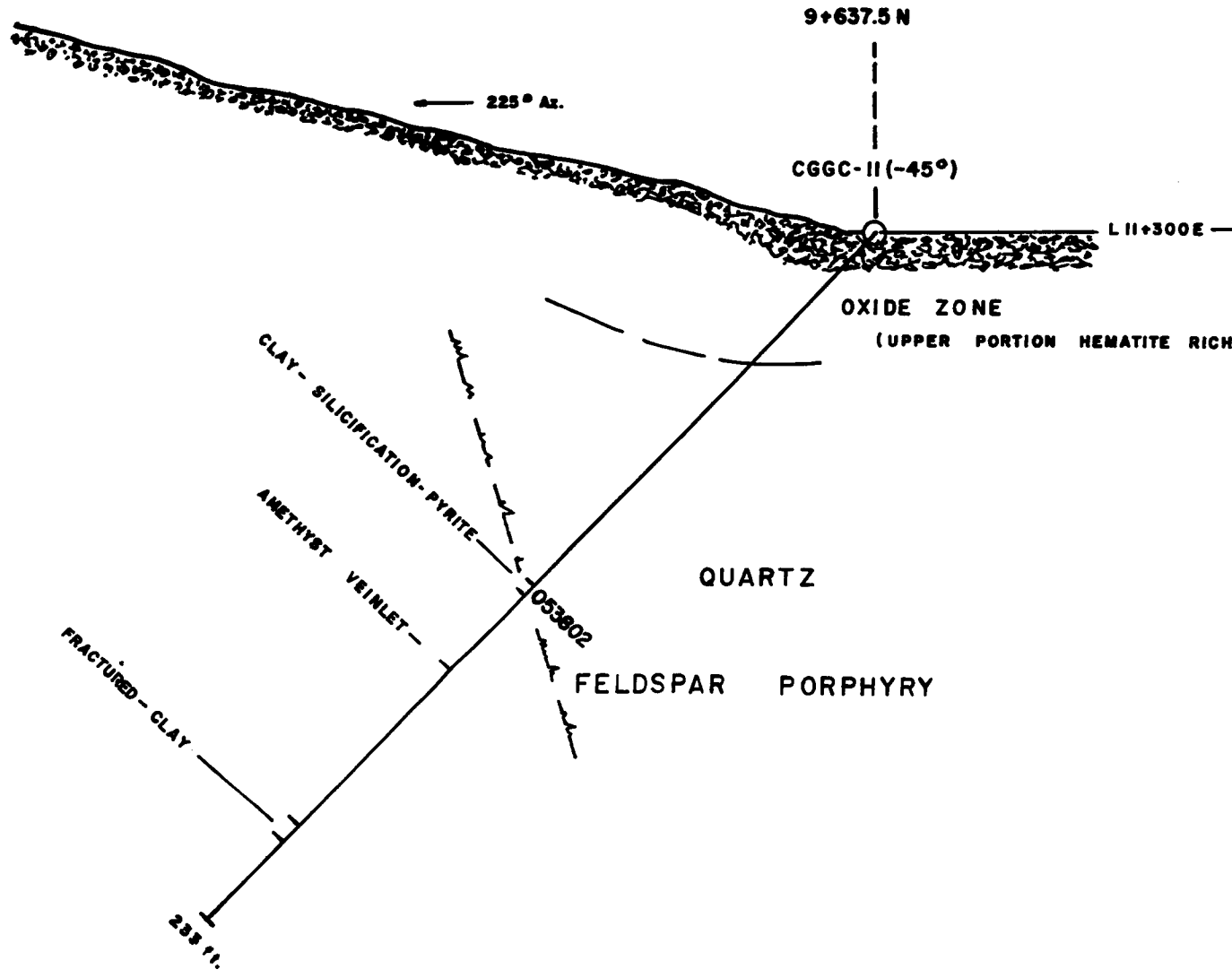
Allen M. Carlos, PROSPECTOR

January 21, 2004

# APPENDIX 2

# DIAMOND DRILL HOLE CROSS SECTIONS

# 2003 PROGRAM



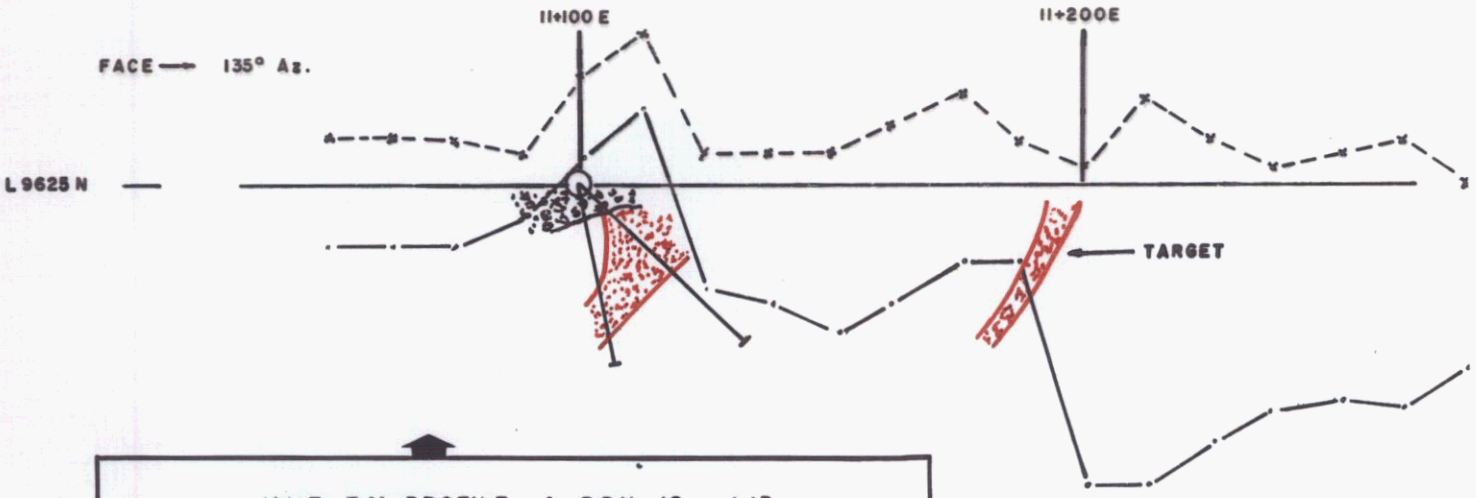

SAMPLE 053802

ANOMALOUS IN Pb + Mo

D.D.H. NO. 11 (2003)

LOOKING NORTWEST

SCALE: 1:500




V.L.F. E.M. PROFILE of D.D.H. 12 and 13

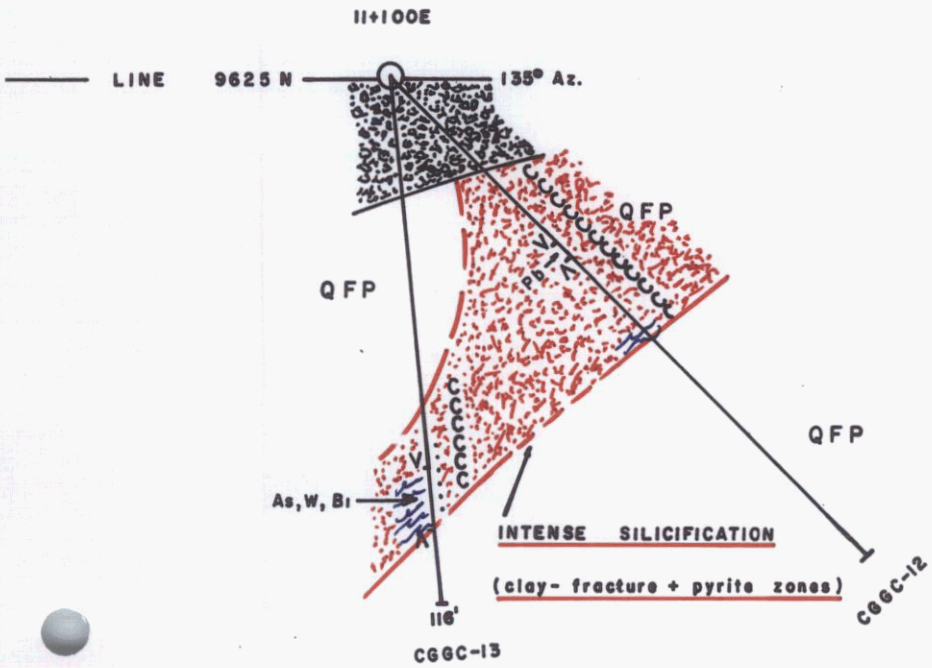
QUADRATURE

INPHASE

SCALE HOR: 1:1500

SCALE VERT: 1 CM.= 5

SEE BELOW and FIG. 3, OF TEXT




DDH CGGC 12 and 13 (2003)

LOOKING NORTHEAST

QFP = QUARTZ FELDSPAR PORPHYRY

CLAY FRACTURES = CCC

PYRITE = .....

FLOW BANDING = ≈≈

ANOMALOUS = Bi $\frac{V}{\Lambda}$

SCALE 1:500

# APPENDIX 3

# ANALYTICAL RESULTS

**ALS Chemex**
***EXCELLENCE IN ANALYTICAL CHEMISTRY***
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

**CARLOS, ALLEN**
**275 ALSEK RD**
**WHITEHORSE YT Y1A 4T1**


**Date : 1-Dec-2003**
**Account: TFI**

# CERTIFICATE VA03049151

Project :

P.O. No:

This report is for 11 DRILL CORE samples submitted to our lab in Vancouver, BC, Canada on21-Nov-2003.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| ALLEN CARLOS | | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA24 | Au 50g FA AA finish | AAS |
| ME-MS41 | 50 element aqua regia ICP-MS | |

To: **CARLOS, ALLEN**
**275 ALSEK RD**
**WHITEHORSE YT Y1A 4T1**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

**Signature:**

# ALS Chemex

***EXCELLENCE IN ANALYTICAL CHEMISTRY***

ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218


CARLOS, ALLEN
275 ALSEK RD
WHITEHORSE YT Y1A 4T1

Page #: 2 - A
Total # of pages : 2 (A - D)
Date : 1-Dec-2003
Account: TFI

## CERTIFICATE OF ANALYSIS VA03049151

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt kg 0.02 | Au-AA24 Au ppm 0.005 | ME-MS41 Ag ppm 0.01 | ME-MS41 Al % 0.01 | ME-MS41 As ppm 0.1 | ME-MS41 B ppm 10 | ME-MS41 Ba ppm 10 | ME-MS41 Be ppm 0.05 | ME-MS41 Bi ppm 0.01 | ME-MS41 Ca % 0.01 | ME-MS41 Cd ppm 0.01 | ME-MS41 Ce ppm 0.02 | ME-MS41 Co ppm 0.1 | ME-MS41 Cr ppm 1 | ME-MS41 Cs ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 053801 | | 2.60 | <0.005 | 0.01 | 0.10 | 0.8 | <10 | 50 | 0.08 | 0.01 | 5.93 | 0.08 | 3.02 | 0.6 | 67 | 0.09 |
| 053802 | | 1.10 | <0.005 | 0.19 | 0.44 | 0.6 | <10 | 50 | 1.50 | 0.95 | 0.43 | 0.18 | 192.5 | 1.2 | 65 | 2.30 |
| 053803 | | 1.32 | <0.005 | 0.03 | 0.58 | 1.8 | <10 | 30 | 2.20 | 0.06 | 0.27 | 0.15 | 175.0 | 0.8 | 41 | 3.00 |
| 053804 | | 1.58 | <0.005 | 0.03 | 0.61 | 1.2 | <10 | 30 | 2.42 | 0.04 | 0.51 | 0.22 | 174.0 | 0.9 | 65 | 3.30 |
| 053805 | | 1.58 | <0.005 | 0.04 | 0.71 | 2.5 | <10 | 30 | 2.14 | 0.07 | 0.42 | 0.27 | 184.0 | 0.8 | 102 | 3.64 |
| 053806 | | 1.78 | <0.005 | 0.06 | 0.72 | 2.1 | <10 | 40 | 2.14 | 0.15 | 0.38 | 0.42 | 174.5 | 1.0 | 132 | 3.22 |
| 053807 | | 1.70 | <0.005 | 0.07 | 0.81 | 1.9 | <10 | 50 | 2.36 | 0.18 | 0.43 | 0.26 | 165.5 | 1.1 | 144 | 3.17 |
| 053808 | | 2.28 | <0.005 | 0.08 | 0.72 | 2.9 | <10 | 30 | 2.10 | 0.13 | 0.39 | 0.25 | 164.5 | 1.2 | 154 | 2.87 |
| 053809 | | 2.16 | <0.005 | 1.19 | 0.68 | 3.4 | <10 | 30 | 2.09 | 1.58 | 0.35 | 0.19 | 173.5 | 1.2 | 130 | 2.90 |
| 053810 | | 1.94 | <0.005 | 0.17 | 0.79 | 1.5 | <10 | 40 | 2.39 | 1.08 | 0.37 | 0.25 | 166.0 | 1.2 | 157 | 3.11 |
| 053811 | | 0.28 | 0.030 | 7.71 | 0.31 | 165.0 | <10 | 10 | 0.07 | 2.03 | 0.06 | 3.37 | 4.62 | 33.9 | 245 | 0.43 |

# ALS Chemex

***EXCELLENCE IN ANALYTICAL CHEMISTRY***

ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218


CARLOS, ALLEN
275 ALSEK RD
WHITEHORSE YT Y1A 4T1

Page # : 2 - B
Total # of pages : 2 (A - D)
Date : 1-Dec-2003
Account: TFI

## CERTIFICATE OF ANALYSIS VA03049151

| Sample Description | Method / Analyte / Units / LOR | ME-MS41 Cu ppm 0.2 | ME-MS41 Fe % 0.01 | ME-MS41 Ga ppm 0.05 | ME-MS41 Ge ppm 0.05 | ME-MS41 Hf ppm 0.02 | ME-MS41 Hg ppm 0.01 | ME-MS41 In ppm 0.005 | ME-MS41 K % 0.01 | ME-MS41 La ppm 0.2 | ME-MS41 Li ppm 0.1 | ME-MS41 Mg % 0.01 | ME-MS41 Mn ppm 5 | ME-MS41 Mo ppm 0.05 | ME-MS41 Na % 0.01 | ME-MS41 Nb ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 053801 | | 2.2 | 1.94 | 0.31 | <0.05 | 0.02 | 0.01 | 0.039 | 0.05 | 1.2 | 0.3 | 2.54 | 1035 | 1.86 | <0.01 | 0.05 |
| 053802 | | 5.0 | 1.93 | 3.00 | 0.24 | 1.26 | 0.03 | 0.086 | 0.26 | 93.4 | 1.0 | 0.05 | 431 | 21.0 | 0.01 | 0.40 |
| 053803 | | 3.2 | 1.30 | 3.97 | 0.22 | 0.93 | 0.02 | 0.077 | 0.31 | 84.8 | 0.7 | 0.04 | 265 | 3.59 | <0.01 | 0.65 |
| 053804 | | 4.5 | 1.62 | 3.88 | 0.22 | 0.84 | 0.03 | 0.082 | 0.33 | 83.6 | 0.6 | 0.04 | 371 | 3.45 | <0.01 | 0.58 |
| 053805 | | 3.3 | 1.46 | 5.30 | 0.25 | 1.27 | 0.03 | 0.081 | 0.39 | 87.5 | 0.9 | 0.03 | 305 | 3.14 | <0.01 | 0.63 |
| 053806 | | 3.6 | 1.33 | 5.17 | 0.23 | 1.30 | 0.03 | 0.079 | 0.40 | 83.2 | 0.9 | 0.03 | 288 | 3.69 | <0.01 | 0.59 |
| 053807 | | 6.8 | 1.26 | 4.93 | 0.22 | 1.54 | 0.03 | 0.078 | 0.42 | 78.5 | 0.9 | 0.03 | 241 | 4.07 | <0.01 | 0.48 |
| 053808 | | 4.4 | 1.17 | 4.65 | 0.23 | 1.53 | 0.05 | 0.063 | 0.38 | 77.1 | 1.5 | 0.03 | 188 | 3.49 | 0.01 | 0.50 |
| 053809 | | 5.4 | 1.46 | 4.57 | 0.24 | 1.11 | 0.03 | 0.072 | 0.39 | 82.7 | 1.0 | 0.03 | 307 | 3.93 | 0.01 | 0.55 |
| 053810 | | 5.1 | 1.48 | 4.78 | 0.23 | 1.38 | 0.03 | 0.069 | 0.41 | 79.3 | 1.1 | 0.04 | 240 | 3.73 | 0.01 | 0.45 |
| 053811 | | 281 | 13.80 | 0.86 | 0.33 | 0.11 | 0.06 | 0.201 | 0.10 | 2.2 | 2.0 | 0.15 | 22 | 34.4 | 0.01 | 0.14 |

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CARLOS, ALLEN
275 ALSEK RD
WHITEHORSE YT Y1A 4T1


Date : 1-Dec-2003
Account: TFI

# CERTIFICATE OF ANALYSIS VA03049151

| Sample Description | Method / Analyte / Units / LOR | ME-MS41 Ni ppm 0.2 | ME-MS41 P ppm 10 | ME-MS41 Pb ppm 0.2 | ME-MS41 Rb ppm 0.1 | ME-MS41 Re ppm 0.001 | ME-MS41 S % 0.01 | ME-MS41 Sb ppm 0.05 | ME-MS41 Sc ppm 0.1 | ME-MS41 Se ppm 0.2 | ME-MS41 Sn ppm 0.2 | ME-MS41 Sr ppm 0.2 | ME-MS41 Ta ppm 0.01 | ME-MS41 Te ppm 0.01 | ME-MS41 Th ppm 0.2 | ME-MS41 Tl % 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 053801 | | 12.2 | 360 | 9.2 | 2.4 | 0.001 | 0.01 | 0.14 | 1.8 | 0.5 | <0.2 | 44.7 | <0.01 | 0.03 | 0.5 | <0.01 |
| 053802 | | 4.8 | 110 | 103.0 | 17.6 | 0.001 | 0.02 | 0.72 | 1.4 | 1.4 | 1.0 | 11.0 | 0.01 | 0.01 | 14.5 | <0.01 |
| 053803 | | 1.9 | 50 | 26.6 | 24.7 | 0.001 | 0.03 | 0.23 | 1.0 | 1.6 | 1.0 | 6.7 | 0.01 | 0.01 | 18.1 | <0.01 |
| 053804 | | 2.7 | 60 | 31.5 | 25.9 | 0.001 | 0.03 | 0.17 | 1.3 | 1.6 | 0.9 | 13.5 | 0.01 | <0.01 | 18.2 | <0.01 |
| 053805 | | 1.7 | 40 | 32.2 | 31.6 | <0.001 | 0.02 | 0.16 | 1.2 | 1.7 | 1.2 | 12.6 | 0.01 | <0.01 | 22.2 | <0.01 |
| 053806 | | 2.0 | 30 | 39.5 | 31.8 | <0.001 | 0.04 | 0.20 | 1.2 | 1.6 | 1.4 | 11.4 | 0.01 | <0.01 | 22.8 | <0.01 |
| 053807 | | 2.6 | 40 | 60.0 | 31.1 | <0.001 | 0.02 | 0.19 | 1.2 | 1.6 | 1.7 | 11.8 | 0.01 | <0.01 | 24.7 | <0.01 |
| 053808 | | 2.9 | 30 | 42.0 | 30.7 | 0.001 | 0.04 | 0.19 | 1.1 | 1.7 | 1.8 | 14.4 | 0.01 | 0.01 | 27.9 | <0.01 |
| 053809 | | 2.7 | 40 | 30.1 | 30.0 | 0.001 | 0.05 | 0.24 | 1.2 | 1.5 | 1.5 | 12.8 | 0.01 | 0.01 | 20.2 | <0.01 |
| 053810 | | 2.7 | 40 | 38.2 | 30.9 | <0.001 | 0.03 | 0.19 | 1.2 | 1.5 | 1.8 | 13.6 | 0.01 | <0.01 | 21.8 | <0.01 |
| 053811 | | 243 | 190 | 125.5 | 5.9 | 0.020 | >10 | 81.2 | 0.4 | 39.4 | 0.7 | 10.2 | 0.01 | 0.26 | 1.9 | <0.01 |

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To: CARLOS, ALLEN
275 ALSEK RD
WHITEHORSE YT Y1A 4T1


Date : 1-Dec-2003
Account: TFI

# CERTIFICATE OF ANALYSIS VA03049151

| Sample Description | Method / Analyte / Units / LOR | ME-MS41 Tl ppm 0.02 | ME-MS41 U ppm 0.05 | ME-MS41 V ppm 1 | ME-MS41 W ppm 0.05 | ME-MS41 Y ppm 0.05 | ME-MS41 Zn ppm 2 | ME-MS41 Zr ppm 0.5 |
|---|---|---|---|---|---|---|---|---|
| 053801 | | 0.03 | 0.19 | 25 | 0.34 | 9.60 | 14 | 0.5 |
| 053802 | | 0.17 | 1.49 | 2 | 0.33 | 30.7 | 88 | 31.4 |
| 053803 | | 0.16 | 1.62 | 1 | 0.34 | 37.6 | 73 | 25.7 |
| 053804 | | 0.15 | 1.46 | 1 | 0.38 | 37.2 | 85 | 24.2 |
| 053805 | | 0.17 | 2.03 | 1 | 0.14 | 40.6 | 81 | 27.6 |
| 053806 | | 0.19 | 2.34 | 1 | 0.12 | 38.4 | 98 | 27.8 |
| 053807 | | 0.20 | 2.77 | 1 | 0.14 | 36.7 | 84 | 29.4 |
| 053808 | | 0.18 | 3.20 | 2 | 0.22 | 40.9 | 83 | 27.6 |
| 053809 | | 0.21 | 1.76 | 1 | 3.99 | 33.7 | 86 | 20.7 |
| 053810 | | 0.20 | 2.45 | 2 | 0.45 | 35.3 | 86 | 26.8 |
| 053811 | | 0.09 | 0.92 | 11 | 0.56 | 1.45 | 301 | 3.0 |

# APPENDIX 4

# SUMMARY OF FIELD EXPENDITURES

# 2003 PROGRAM

# CANYON CLAIMS

## Summary of Expenditures/Work Performed

### Diamond Drilling and Grid Costs

| | |
|---|---|
| ▪ Drill rental (Rated @ 10% of equipment value/month) | |
| $45,000.00 x 1.5 months x 75% | $ 5,062.50 |
| ▪ Drilling fluids & diamond products | $ 2,259.48 |
| ▪ Core boxes | $ 460.00 |
| ▪ Drill supplies other than diamond products | $ 902.08 |
| ▪ Fuel | $ 1,741.72 |
| ▪ Truck rental (3 months at $1,450.00/month x 25%) | $ 362.50 |
| ▪ Truck costs: Whitehorse – return & work (3,200 km x.42) | $ 1,344.00 |
| ▪ Living expenses: $35.00 x 110 man days | $ 3,850.00 |
| ▪ Salaries: (Luke) 35 days x $150.00 | $ 5,250.00 |
| (Shane) 24 days x $150.00 | $ 3,600.00 |
| ▪ Cutting chainsaw grid & chaining (4.2 km.) | |
| 8 man days @ $275.00 per | $ 2,200.00 |
| ▪ Soil sampling & supplies | $ 1,014.52 |
| ▪ Core assays | $ 1,279.18 |
| ▪ Soil survey analysis | $ 4,397.70 |
| ▪ Enzyme Leach survey interpretation (estimate) | $ 4,500.00 |
| ▪ Report preparation, core logging | $ 1,500.00 |
| ▪ Shipping : Chemex and Actlabs | $ 203.36 |
| ▪ Copy and report binders | $ 108.47 |
| **GRAND TOTAL FOR SUMMER 2003** | **$40,035.51** |

# APPENDIX 5

# DIAMOND DRILL HOLE

# DESCRIPTIVE LOGS

# DRILL HOLE LOG

**DIP TESTS**

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property CANYON Gold C.C.
At .....
Claim No. .....
Working Place .....
Baseline Footage 11+300E
Baseline Offset 9+637.5 N
Date Started .....
Date Completed 2003

Hole Number CCGC-11
Dip -45°
Length 233'
Bearing 225° Az.
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged .....

| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | |
|---|---|---|---|---|---|
| | | | | PPb Au | PPm Ag |
| 0' | 14' | OVERBURDEN | | | |
| 14' | 233' | RHYOLITE QUARTZ FELDSPAR PORPHYRY | | | |
| | | Grey quartz eyes and clay altered feldspar phenocrysts set in a grey-green groundmass. Superficial oxidation continues to 45' - the upper portion being hematite rich | | | |
| | | 121' - Ca 3" pyrite + clay fracture zone @ 60° core angle. | | | |
| | | 122' - Subtle brecciation, silicification along fracture @ 80° CA. | | | |
| | | 122½' - Clay + pyrite along fracture 60°CA. | 053802 120'-123' | <5 | 0.01 |
| | | 128' - Subtle brecciation + silicification along fracture @ 75°CA. | | | |
| | | 145' - 1 cm. fractured shear - clay - 60°CA | | | |
| | | 150' - Thin amethyst veinlet @ 10° CA | | | |
| | | 193' - 3 cm. fracture - clay @ 45° CA | | | |
| | | 201'-207' - Highly fractured + white clay. | E.O.H | | 233' |

Logged by [signature]

# DRILL HOLE LOG

**DIP TESTS**

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property CANYON GOLD G.Co. Hole Number CGGC-12
At ..... Dip -45°
Claim No. ..... Length 146'
Working Place ..... Bearing 135°
Baseline Footage 11+100E ..... Elev. Collar .....
Baseline Offset 9+625N ..... Horiz. Trace .....
Date Started ..... Vert. Trace .....
Date Completed 2003 ..... Date Logged .....

| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | |
|---|---|---|---|---|---|
| | | | | ppb Au | ppm Ag |
| 0' | 28' | OVERBURDEN | | | |
| 28' | 146' | RHYOLITE QUARTZ FELDSPAR PORPHYRY | | | |
| | | Other than for the section noted - gray quartz eyes and clay altered feldspar phenocrysts are set in a gray-green groundmass. | | | |
| | | 28'-67' - Intense silicification - denoted by a dense, non-porous or 053803 granular texture of core. In this section no visible feldspar or 053804 qtz. phenocrysts are noted until ≈55', where they are small in size, progressively getting larger past 68'. 053805 | 28'-33' | <5 | 0.03 |
| | | | 33'-38' | " | " |
| | | | 38'-43' | " | 0.04 |
| | | 40'-49' - Patches of a fine gray quartz blending into general 053806 silicification. At other times this gray color has a preferred direction 053807 @ 40° to core axis - where it trends not as a distinct vein, but in a blending meandering manner. | 43'-49' | " | 0.06 |
| | | | 49-55' | " | 0.07 |

Logged by [signature]

| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | |
|---|---|---|---|---|---|
| | | 66'- Thin fracture-visible pyrite - bordered on either side by 1cm. wide gray quartz - as noted above. | | | |
| | | 78-79'- Gray quartz colored rhyolite flow banding - some pyrite visible. | | | |
| | | 117'-140' - Wisps of fine pyrite appear sporadically along thin fractures. | | | |
| | | 117½' - a Cm. wide pyrite - clay zone at 40° core angle. | | | |
| | | Alteration: Intense silicification from 28'-67'. | | | |
| | | White clay in the silicified zone that occurs within fractures created drilling problems. | | | |
| | | Pervasive clay from 67'-140'. | | | |
| | | 146' E.O.H. | | | |

Logged by [signature] Hole Number CGGC-12 Sheet Number 2

# DRILL HOLE LOG

**DIP TESTS**

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property CANNON GOLD G.C.
At .....
Claim No. .....
Working Place .....
Baseline Footage 11+100E
Baseline Offset 0+625N
Date Started .....
Date Completed 2w3

Hole Number CGCC-03
Dip -85°
Length 116'
Bearing 135°
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged .....

| FROM | TO | DESCRIPTION | SAMPLE NUMBER | ASSAY | |
|---|---|---|---|---|---|
| | | | | Au | Ag |
| 0' | 26' | OVERBURDEN | | | |
| 26' | 116' | RHYOLITE QUARTZ FELDSPAR PORPHYRY | | | |
| | | Other than for the section noted - grey quartz eyes and clay altered feldspar phenocrysts are set in a grey green ground mass. | | | |
| | | 69'-97': Very siliceous - no feldspar phenocrysts noted. | | | |
| | | 76½'-78½' - Secondary Cu noted along thin - clear qtz. breccia veinlets. | | | |
| | | 85½'-97' - Diffuse rhyolite flow banding has a distinct dark grey cast - which may signify fine sulphides | | | |
| | | U53808 | 76'-82' | <5 | 0.02 |
| | | Alteration: | | | |
| | | pyrite along fractures in U53809 most prominent from 82'-92'. | 85½'-91' | " | 1.19 |
| | | U53810 | 91'-97' | " | 0.17 |
| | | White clay from 96'-97' occurs along numerous fractures in this blocky section. | | | |
| | | Outside of this section the ground is more competent and clay is pervasive in altered feldspar phenocrysts - together with lesser fractures. | | | |
| | | 116' E.O.H. | | | |

Logged by .....