2002 DIAMOND DRILLING REPORT

ON THE

CANYON GOLD GREW CREEK PROJECT

Whitehorse Mining District

NTS: 105K/2

Latitude 62° 03′, Longitude 132° 50′

CANYON CLAIMS

(June 1st - Sept. 16th, 2002)

By: A. Carlos (owner of claims)
January 21, 2003

File Number 02-031

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INTRODUCTION

History of the Grew Creek deposit area leading to the present is detailed further on in this text. The summer of 2002, between June 2nd and August 31st , was spent in an attempt to assess Enzyme Leach Anomaly E, determined during a soil survey in 2000.

PROGRAM 2002

A total of 1367 ft. in 6 holes was drilled using a Hydrocore machine producing 1.39 inch diameter core. Recovery was excellent, with the deepest hole drilled to 380 ft. (-50°). No economic mineralization was determined. Anomalous results however, in CGGC-5, has given us new insights to guide further work.

RECOMMENDATIONS

A previous conventionally developed target, flanking the currently defined Anomaly E to the south, can be supported by a simple re-interpretation of the Enzyme Leach data. The target requires at least one drill hole.

DISCUSSION OF DIAMOND DRILLING

The following discussion summarizes the 2002 drill program on claim Canyon 15. Detail drill log descriptions, cross sections, assays and geochem reviews per hole are reported in Appendix 2, 3 and 4.

Hole CGGC-5 was drilled to test the section north of D.D.H. 95-172, where anomalous Au was noted in the upper level.

GEOLOGY: THE YUKON'S UNIQUE RESOURCE

The Yukon's geology is complex and full of surprises. Over the years, areas previously explored for minerals have been revisited with innovative technology and geological modelling, resulting in the discovery of new deposits. The tumultuous geological history of the Yukon's rocks, combined with the fact that our large territory has not yet been fully explored, creates the potential for large discoveries.

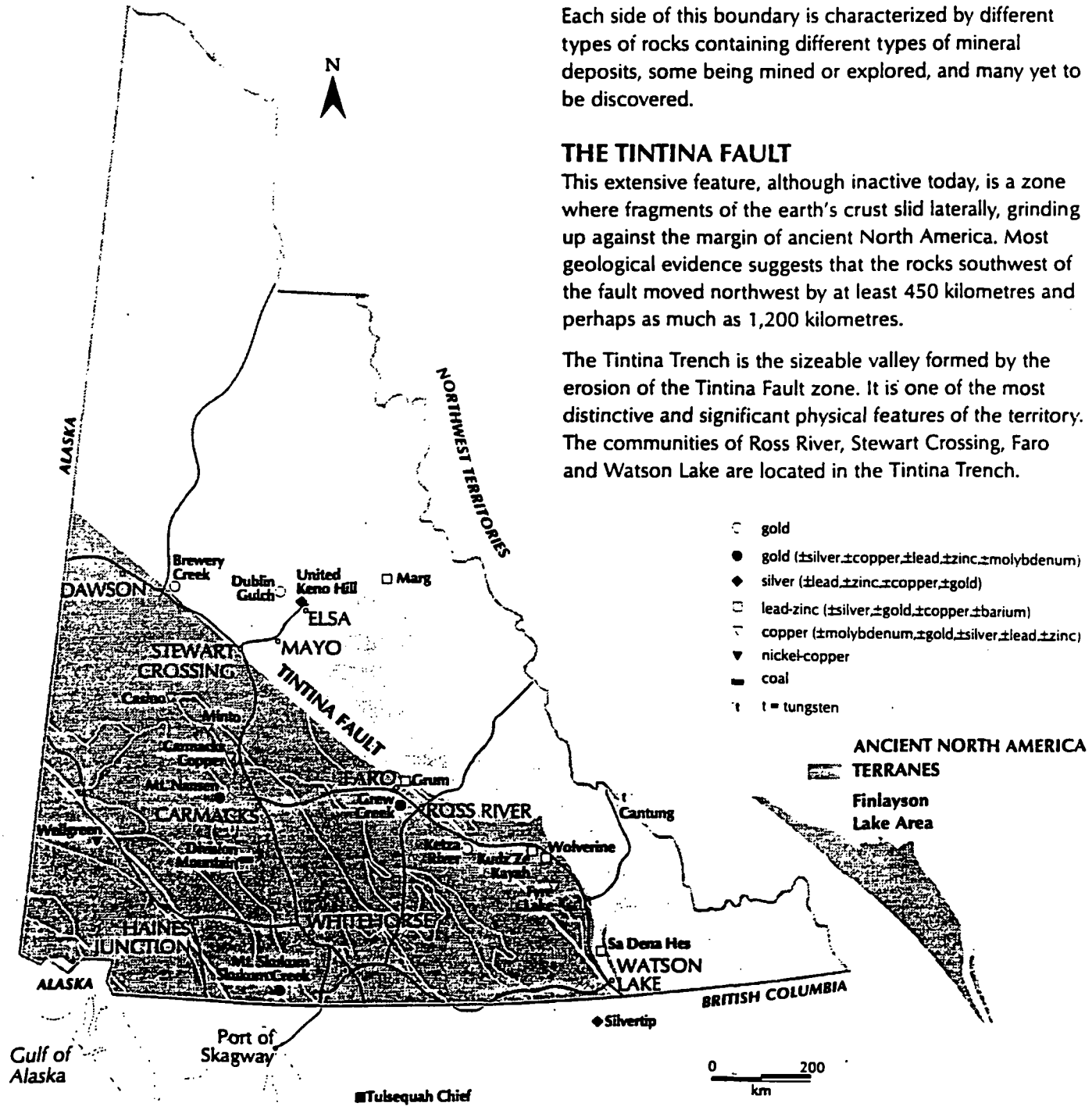
The Yukon's geology can be roughly split into two rock groups: those north of the Tintina Fault and those south of it. This dividing line cuts northwest to southeast across the territory from Alaska to northern British Columbia.

Each side of this boundary is characterized by different types of rocks containing different types of mineral deposits, some being mined or explored, and many yet to be discovered.

THE TINTINA FAULT

This extensive feature, although inactive today, is a zone where fragments of the earth's crust slid laterally, grinding up against the margin of ancient North America. Most geological evidence suggests that the rocks southwest of the fault moved northwest by at least 450 kilometres and perhaps as much as 1,200 kilometres.

The Tintina Trench is the sizeable valley formed by the erosion of the Tintina Fault zone. It is one of the most distinctive and significant physical features of the territory. The communities of Ross River, Stewart Crossing, Faro and Watson Lake are located in the Tintina Trench.



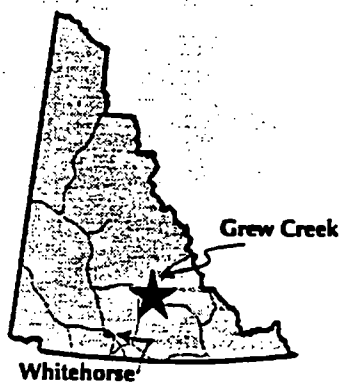
GREW CREEK PROJECT

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 reserve
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.

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 168 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 558 soil samples were grid-collected over a 2 km area and analyzed by the enzyme leach method. To date, (5) new geochemical targets have been delineated in a favourable structural area north of the Tarn zone, adjacent to the Robert Campbell Highway.

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.

A determination was made last year that any structure along the extent of Anomaly E would most likely have a southerly dip, a further reason for the drilling of hole 5.

Having intersected a visibly interesting zone in hole 5, hole 6 was planned to test for a possible easterly strike extent. Also, the section south of D.D.H. 4 would be tested.

Possibilities noted in hole 6 prompted hole 7, to test along strike. Results were surprising and unexpected. Of note was the recognition of pryobitumen over a significant core intercept.

We now refocused our attention on the more pronounced aspect of Anomaly E. Hole 8 was planned to go to depth to test last years core assays in hole 1, which suggested deeper possibilities. We were pleased to immediately core 7 meters of tectonically brecciated rhyolite, quartz veined, silicified, and displaying signifigant Fluorite in the form of veining and crystals in quartz lined vugs.

With no assays in hand – we drilled hole 9 to pick up possible mineralization along strike of the determined Enzyme Leach apical high. Also, the hole was set to 60° Az. to better intersect a suggested extensional fault as determined from Aerodat interpretation.

Disappointed in only a short fault controlled section of possible Au mineralization in hole 9, hole 10 was drilled to further evaluate a yet undetermined reason for the second geochem peak of Anomaly E. The hole was successful in that regard.

CONCLUSIONS

As is always the case, new information leads to further ideas. The extensive area of hydrothermal brecciation, alteration and geochemically anomalous core intercepts, so far determined, suggests we should further persevere in our attempts. Much study this past fall has led to a rather interesting possibility – very nearby.

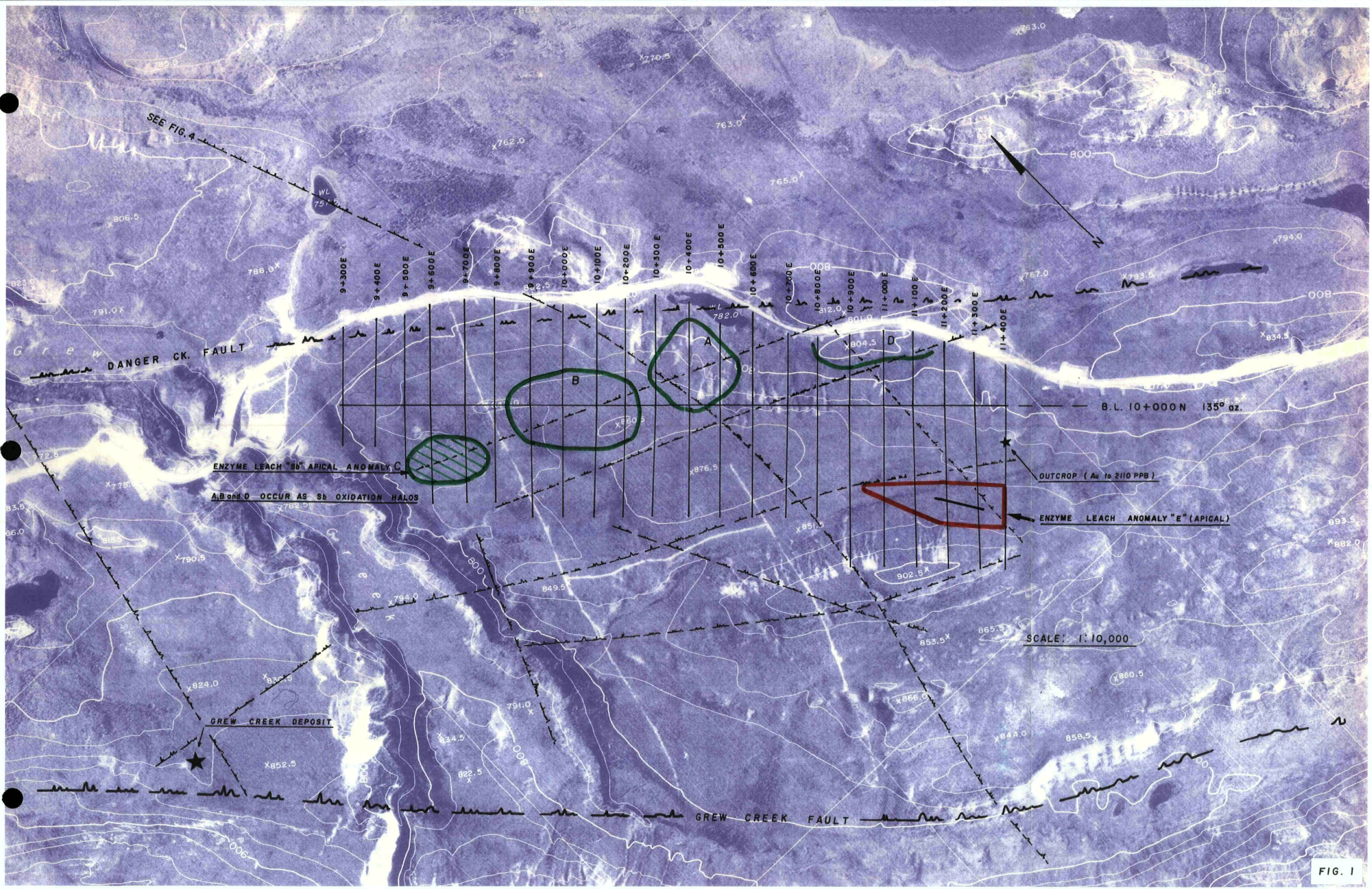

SEE FIG. 4
WL 751.5
9+300E
9+400E
9+500E
9+600E
9+700E
9+800E
9+900E
10+000E
10+100E
10+200E
10+300E
10+400E
10+500E
10+600E
10+700E
10+800E
10+900E
11+000E
11+100E
11+200E
11+300E
11+400E
WL 782.0
A
B
C
D
B.L. 10+000N 135° az.
DANGER CK. FAULT
ENZYME LEACH "Sb" APICAL ANOMALY
A,B and D OCCUR AS Sb OXIDATION HALOS
OUTCROP (Au to 2110 PPB)
ENZYME LEACH ANOMALY "E" (APICAL)
SCALE: 1:10,000
GREW CREEK DEPOSIT
GREW CREEK FAULT
N

FIG. 1

SEE FIG. 1

A,B,C,D

POSSIBLE MINERALIZED FAULT

RH-10 (PLOUFFE SAMPLING)

RH-12

RH-11

RH-6

RH-7

RH-8

RH-9

RH-5

RH-4

RH-3

RH-2

RH-1

DEPOSIT

COMPILATION and INTERPRETATION (2002)

PRONOUNCED RESISTIVITY DECREASE (PYROCLASTICS — VOLCANICLASTICS)

ENDOGENOUS DOMES and ASSOCIATED LAVAS (RHYOLITE)

PLOUFFE 1987 (SEE TEXT)

RH-10/1985 (SEE TEXT)

FIG. 2

Carlos Gold — Grew Creek project

Enzyme Leach grid location (2000)

NTS 105 K-2

JAN. 8 — 2001

SCALE: 1 CM. = 82M. approx.

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)
- MODERATE INCREASE IN POLARIZATION (Noranda 1987)
- PROBABLE FAULT ZONE (AIRBORNE INT.)

SCALE: 1:2500

B.L. 10,000N (2000)

N

12+300 E

POWER TRANS. LINE

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

12+400 E

12+500 E

11000E

1200E

1400E

Halo II

SILICIFIED Conq.
Au to 2110 ppb

Halo I

9600N (1988 BASE LINE)

MAJOR AIR PHOTO LINEAR

ANOMALY E

Apical high

Anomaly

FIG. 3

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, 2003

APPENDIX 2

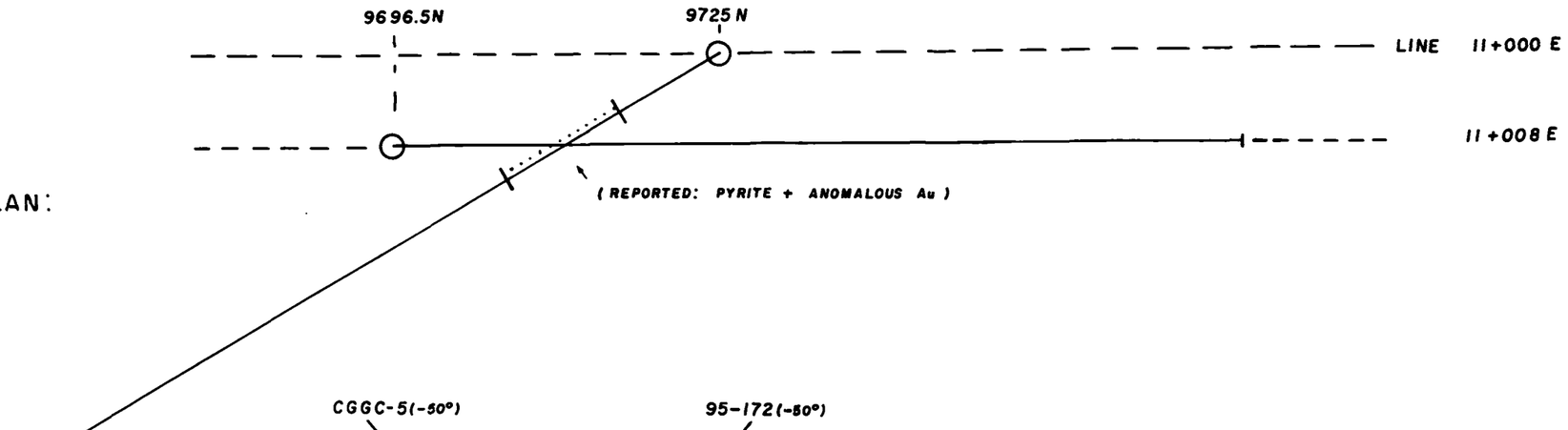
DIAMOND DRILL HOLE CROSS SECTIONS

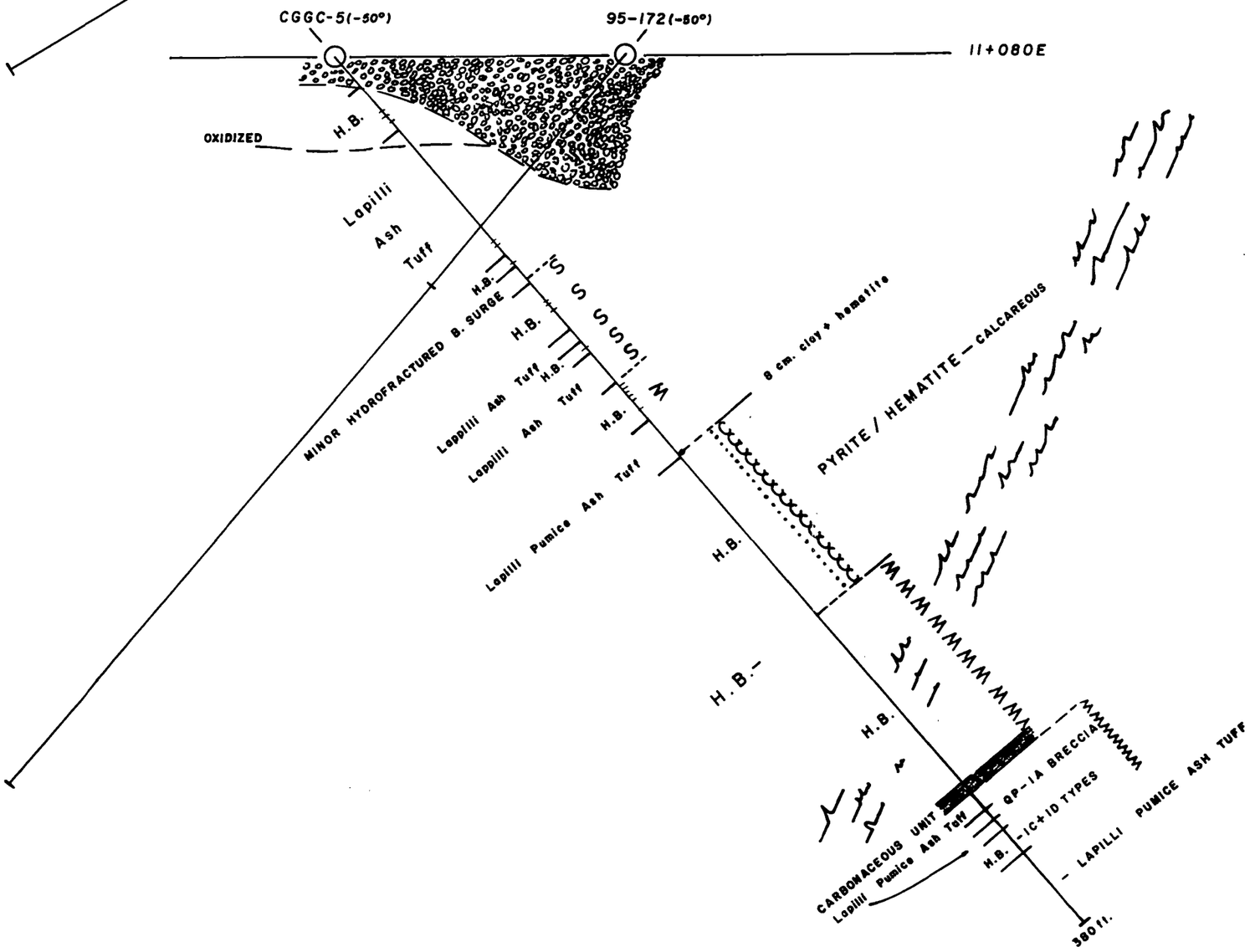
2002 DRILL PROGRAM

CGGC-5 ANOMALOUS ELEMENTS / VERY ANOMALOUS=*

	Au ppb													
053612	<5													17–21.5 ft
053613	<5													21.5–26.75
053614	<5													26.75–31 ft
053615	<5													80–85 ft.
053616	<5													85–91 ft.
053617	37													91–95.5 ft
053618	<5													95.5–100.5
053619	<5													100.5–105 ft
053620	<5													106.5–111.5ft
053621	<5													111.5–117.5ft.
053622	<5													123.5–128 ft
053623	6													142–147.5 ft
053624	<5													147.5–152.5ft
053625	9									+ Th	+ U		+ Pb	152.5–158 ft
053626	<5						+ Cu							173.5–179 ft
053627	<5													179–184 ft.
053628	13	+ As	+ S			+ Sb	+ Cu							184–189 ft
053629	37	+ As	+ S	+ Rb	+ Hg	+ Sb	+ Cu					+ K	+ W	189–194 ft.
053630	17	+ As	+ S	+ Rb	+ Hg	+ Sb	+ Cu							194–199 ft
053631	92	+ As*	+ S	+ Rb	+ Hg	+ Sb	+ Cu							199–204 ft.
053632	65	+ As*	+ S	+ Rb	+ Hg	+ Sb	+ Cu							204–209 ft
053633	9	+ As	+ S											209–214 ft.
053634	8		+ S		+ Hg									214–219 ft
053635	6		+ S				+ Cu	+ Mo						219–224 ft
053636	34	+ As	+ S											224–229 ft
053637	12		+ S											229–234 ft
053638	<5						+ Cu							234–239 ft
053639	<5													239–245 ft
056235	7	+ As			+ Hg		+ Cu							275'9"–278'6"
056236	6	+ As	+ S		+ Hg	+ Sb	+ Cu					+ Se		279–284 ft
056237	10	+ As								+ Th	+ U	+ Se		284–289 ft
056238	11	+ As	+ S		+ Hg	+ Sb	+ Cu							289–294 ft
056239	5				+ Hg		+ Cu							294–299 ft
056240	<5				+ Hg		+ Cu							299–304 ft
056241	7		+ S		+ Hg		+ Cu							304–309 ft
056242	<5						+ Cu							309–317 ft

PLAN:





D.D.H. No. 5 – 2002

COLLAR 11+008E AZIMUTH 045°

LOOKING NW SCALE: 1:500

LEGEND:

C — CARBONATE ALTERATION

S — SERICITE ALTERATION

··· — DISSEMINATED PYRITE

W — CLAY ALTERATION

~ — AMETHYST VEINLETS OR REPLACEMENTS

H.B. — HYDROTHERMAL BRECCIA

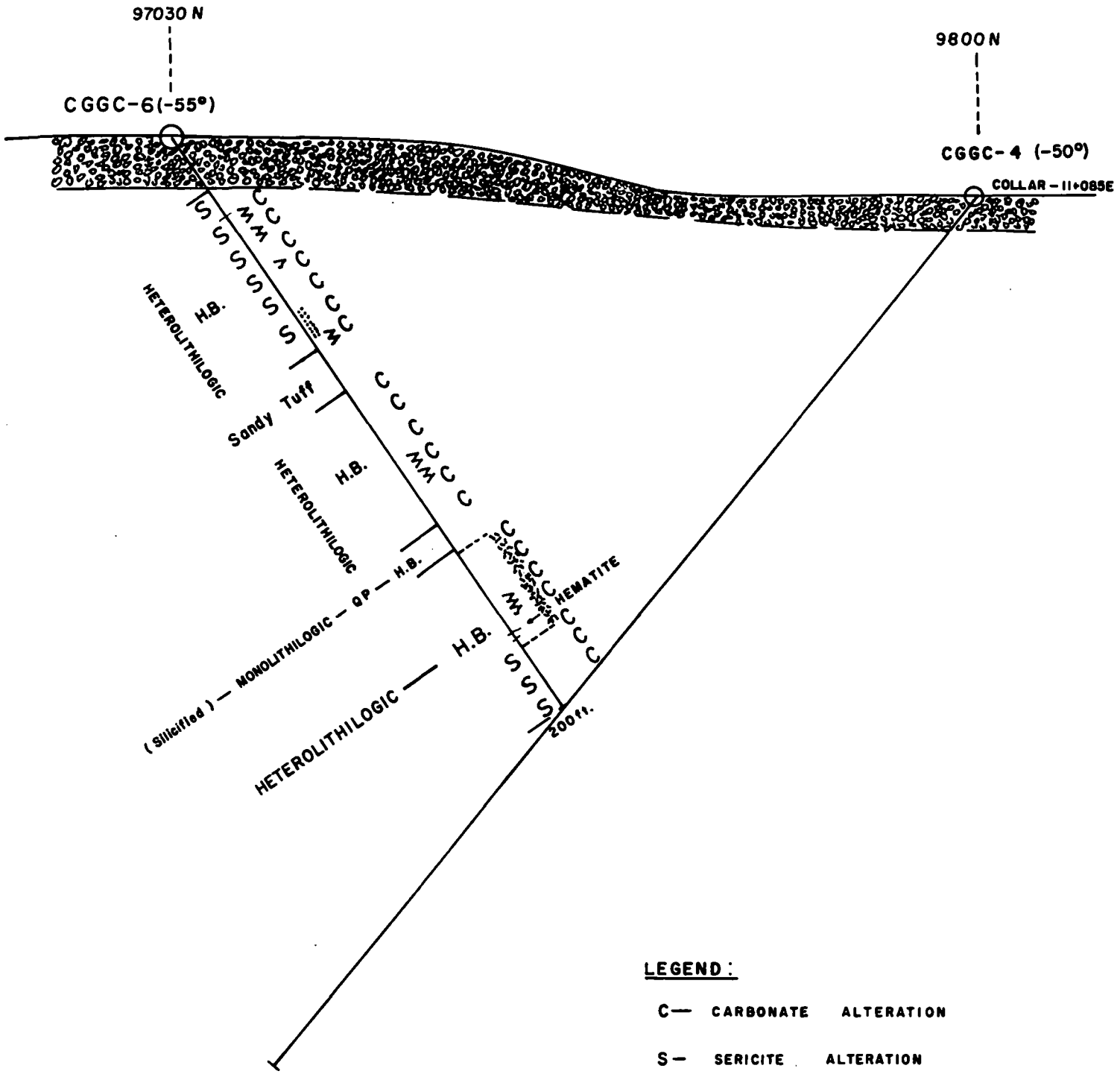
CGGC-6 ANOMALOUS ELEMENTS / VERY ANOMALOUS=*

	Au ppb												
053640	< 5	+La	+Mo	+Th	+U	+Pb				-Ca	-Mg	-Na	22—27ft.
053641	9	+La	+Mo	+Th	+U	+Pb				-Ca	-Mg	-Na	27—33ft.
053642	< 5												33—38ft.
053643	< 5												38—43ft.
053644	< 5												43—48ft.
053645	< 5												48—53ft.
053646	< 5												53—58ft.
053647	< 5												58—63ft.
053648	< 5	+La	+Mo	+Th		+Pb				-Ca	-Mg	-Na	63—69ft.
053649	< 5		+Mo	+Th	+U	+Pb				-Ca	-Mg		69—75ft.
053650	< 5		+Mo							-Ca	-Mg	-Na	75—80ft.
053651	< 5												90—95ft.
053652	< 5												95—100ft.
053653	< 5												100—105ft.
053654	< 5												105—110ft.
053655	< 5												110—115ft.
053656	< 5												115—120ft.
053657	< 5												120—125ft.
053658	< 5												125—130ft.
053659	< 5												130—136.5ft.
053660	11	+La	+Mo*	+Th*	+U*	+Pb*	+W*	+Zr*	+Nb*		-Ca	-Mg	136.5—141ft.
053661	< 5	+La	+Mo*	+Th*	+U*	+Pb*	+W	+Zr*	+Nb*		-Ca	-Mg	141—145ft.
053662	< 5				+U						-Ca	-Mg	145—148ft.
053663	< 5												148—153ft.
053664	< 5						+W			+Cu			153—158ft.
053665	< 5						+W						158—163ft.
053666	< 5												163—168ft.
053667	< 5	+La	+Mo			+Pb						-Mg	168—174ft.
053668	7									+Te*		-Mg	174—177ft.
053669	< 5	+La				+Pb						-Mg	177—182ft.

NOTE: High W in brecciated, silicified zone. Related Zr–Nb suggest faulting.

See Northerly trend of W in Enzyme Leach plots.

Pb values in this hole and hole 10 are anomalous.



LEGEND :

C— CARBONATE ALTERATION

S— SERICITE ALTERATION

— DISSEMINATED PYRITE

— CLAY ALTERATION

— AMETHYST VEINLETS - REPLACEMENTS

— QTZ. CARB. STOCKWORK

H.B.— HYDROTHERMAL BRECCIA

D.D.H. No. 6 — 2002

COLLAR 11+100E AZIMUTH 045°

LOOKING NW SCALE: 1:500

CGGC—7 ANOMALOUS ELEMEMENTS / VERY ANOMALOUS=*

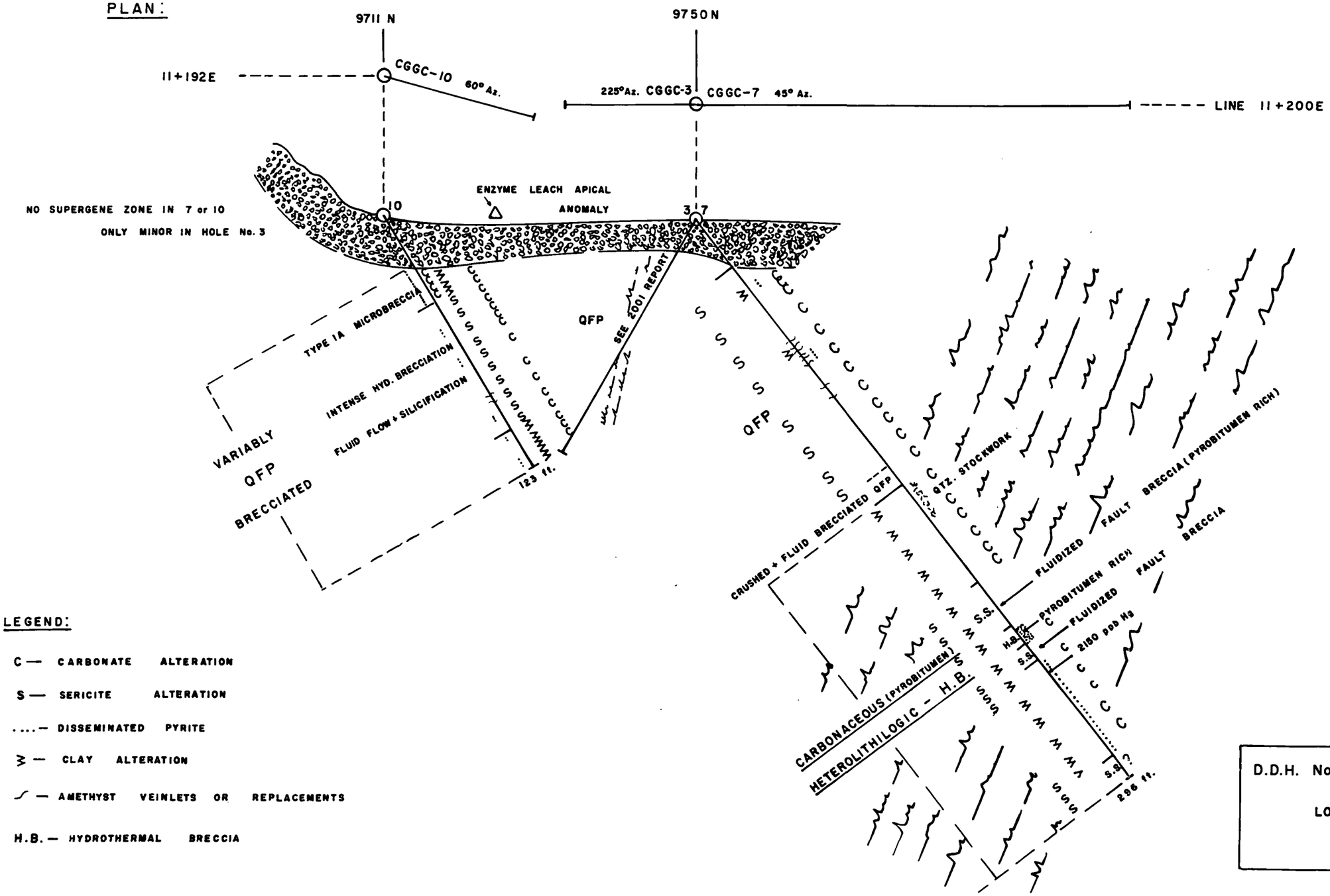
	Au ppb										
053670	11	+ Pb			+ Th			+ Bi*	-Ca	-Mg	-Na	37.5—39.5ft.
053671	9	—	—	—	—	—	—	—	—	—	—	66—74 ft.
053672	< 5	—	—	—	—	—	—	—	—	—	—	135.5—141ft.
056243	< 5			+Sb			+U		-Ca			141—146ft.
056244	< 5	+Cu										146—151 ft.
053673	< 5	+Cu		+Hg								156—163ft.
053674	< 5	+Cu		+Hg					-Ca			182.5—189ft.
053675	< 5	+Cu		+Hg								215—220ft.
053676	< 5	+Cu		+ Hg								220—224ft.
053677	< 5	+ Cu*		+ Hg				+ Ni	-Ca			233—237ft.
053678	< 5	+ Cu*		+ Hg(2150 ppb)	+ S			+ Ni	+ V			237—241ft.
053679	< 5	+Cu		+ Hg(820 ppb)	+ S							241—247 ft.
053680	< 5	—	—	—	—	—	—	—	—	—	—	247—252 ft.
053681	< 5	—	—	—	—	—	—	—	—	—	—	252—257 ft.

CGGC-10 ANOMALOUS ELEMENTS

	Au ppb												
053605	52	+La	+Rb	+Th	+U	+Pb				-Ca	-Na	-Mg	26–31 ft.
053606	15	+La	+Rb	+Th	+U	+Pb		+Mo		-Ca	-Na	-Mg	31 – 36ft.
053607	50	+La	+Rb	+Th	+U	+Pb	+As			-Ca	-Na	-Mg	36 – 42 ft.
053608	5	+La	+Rb	+Th	+U	+Pb		+Sb		-Ca	-Na	-Mg	42 – 47 ft.
053609	5	+La	+Rb	+Th	+U	+Pb			+Cr	-Ca	-Na	-Mg	47 – 52ft.
053610	5	+La	+Rb	+Th	+U	+Pb				-Ca	-Na	-Mg	52 — 57ft.
053611	5	+La	+Rb	+Th	+U					-Ca	-Na	-Mg	57 — 62 ft.
053684	5	—	—	—	—	—	—	—	—	—	—	—	62 — 67ft.
053685	5	—	—	—	—	—	—	—	—	—	—	—	67 – 72 ft.
053686	5	—	—	—	—	—	—	—	—	—	—	—	72 – 77 ft.
053687	5	—	—	—	—	—	—	—	—	—	—	—	77 — 82ft.
053688	5	—	—	—	—	—	—	—	—	—	—	—	82 — 87 ft.
053689	5	—	—	—	—	—	—	—	—	—	—	—	87 — 92ft.
053690	5	—	—	—	—	—	—	—	—	—	—	—	92 — 97ft.
053691	5			+Th	+U	+Pb		+Zr		-Ca	-Na	-Mg	97 — 102ft.
053692	5												102 — 107ft.

ANOMALOUS ELEMENTS SIMILAR TO HOLE 8 / Pb only in this hole / Zr in no. 8

PLAN:



LEGEND:

C — CARBONATE ALTERATION

S — SERICITE ALTERATION

.... — DISSEMINATED PYRITE

≷ — CLAY ALTERATION

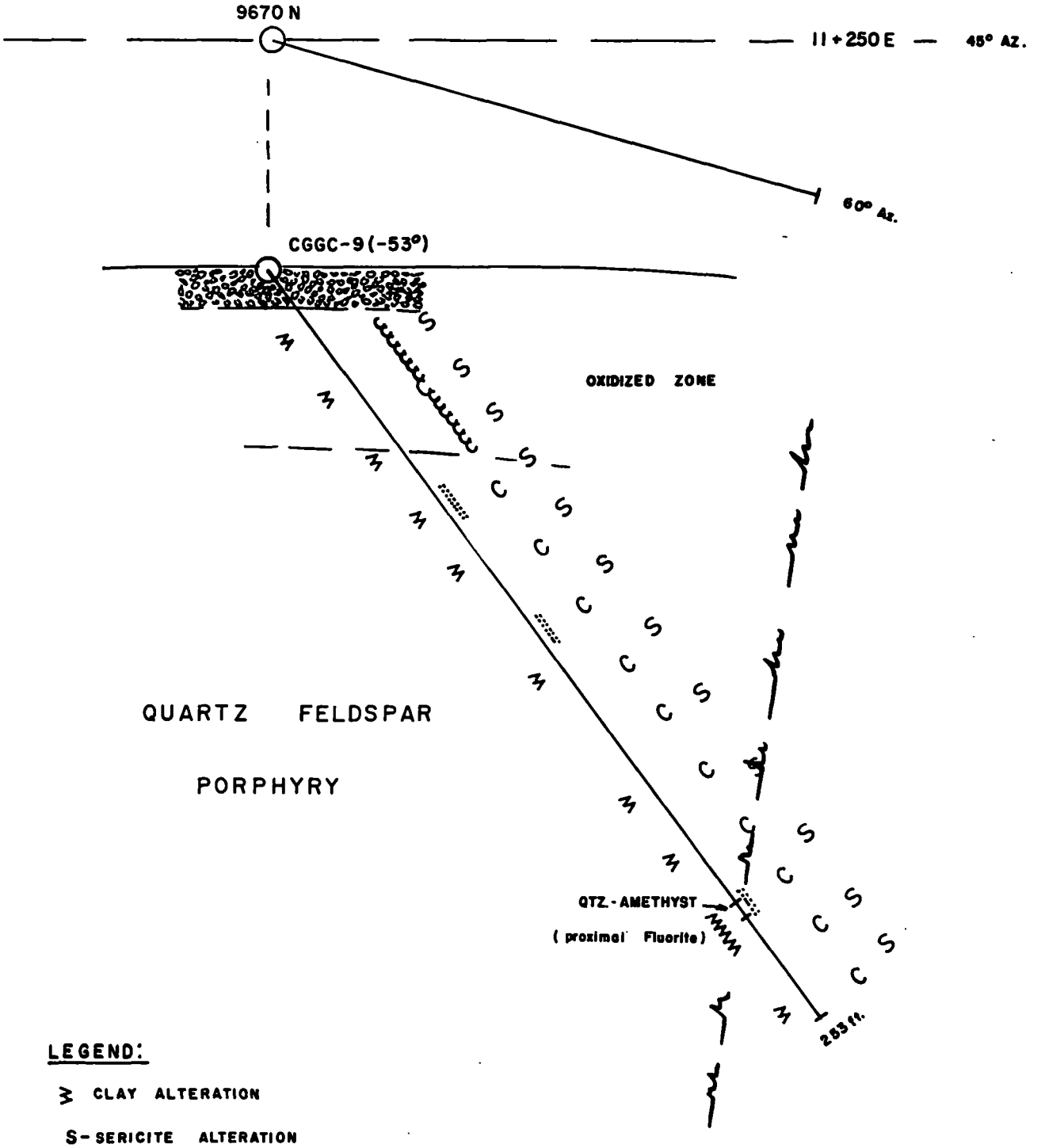
∫ — AMETHYST VEINLETS OR REPLACEMENTS

H.B. — HYDROTHERMAL BRECCIA

D.D.H. No. 7 and 10 (2002)

LOOKING NW

SCALE: 1:500



LEGEND:

M CLAY ALTERATION

S- SERICITE ALTERATION

PYRITE

C- CARBONATE ALTERATION

D.D.H. No. 9 - 2002	
COLLAR 11+250 E	AZIMUTH 060°
LOOKING NW	SCALE : 1:500

CGGC-9 ANOMALOUS ELEMENTS / VERY anomalous = *

	Au-ppb												
053683	<5	+La	+Th	+Zr	+U					−Ca	−Mg	−Na	32.5–37.5 ft.
053604	14	+ B*	+Th	+Zr	+U	+Hf +K	+Nb +Rb	+Ga*	+Sn*	+Pb	−Mg	−Na	218.5-221.5ft.

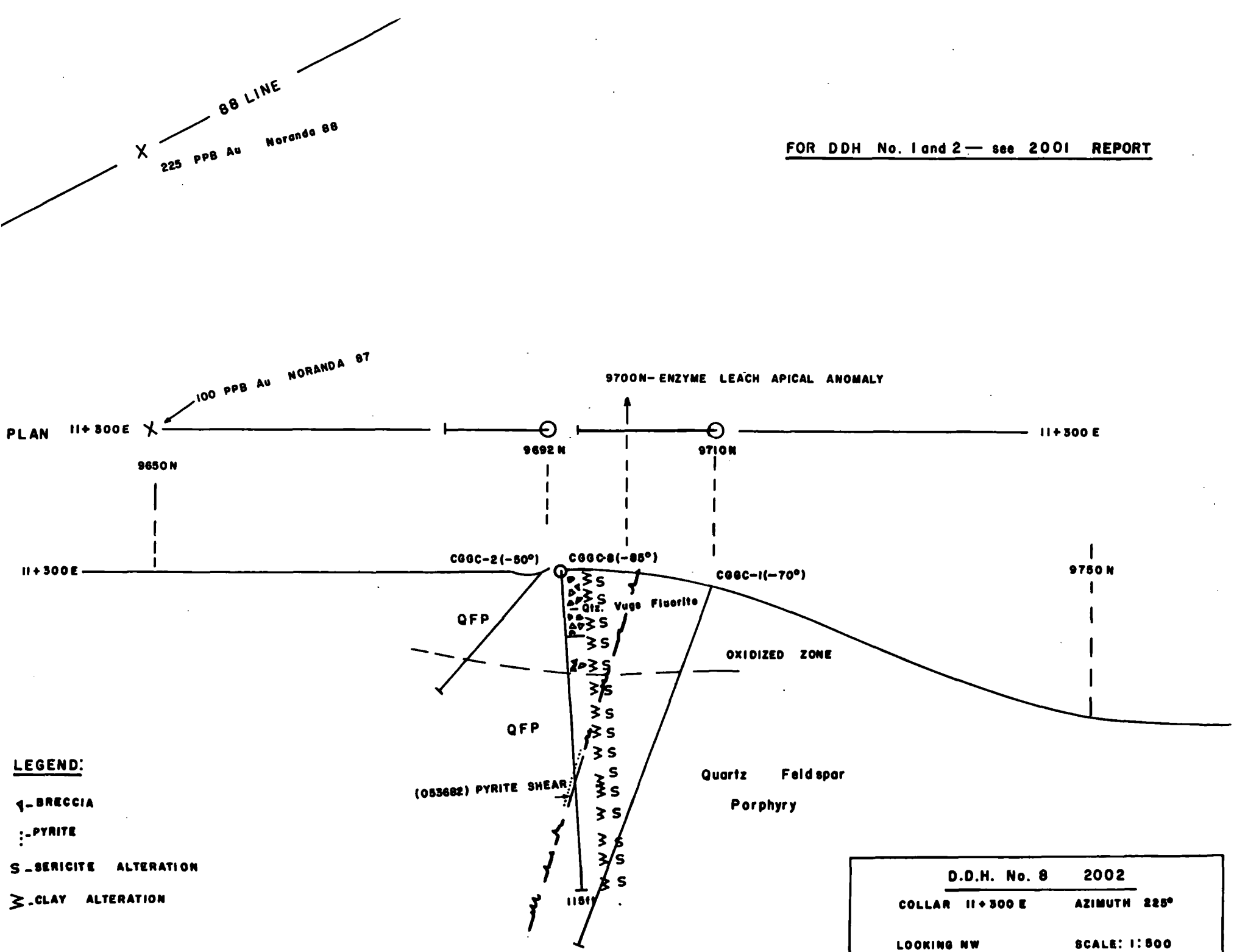
ONLY HIGH BORON IN ENTIRE PACKAGE at 20ppm—all others <10.

053604 / HIGH in Zr, Hf, Nb — suggests a fault.

CGGC-8 ANOMALOUS ELEMENTS / VERY ANOMALOUS= *

	Au ppb											
056246	17	+ La	+Rb	+Th	+ U	+Zr				- Ca	- Mg	- Na	3-8 ft.
056247	56	+ La	+ Rb	+Th	+ U	+ Zr	+Cr	+Ga	+ K		- Mg	- Na	8 — 13 ft.
056248	30	+ La	+ Rb	+ Th	+ U	+ Zr				-Ca	- Mg	-Na	13-18 ft.
056249	5	+ La	+ Rb	+ Th	+ U	+ Zr		+Ga	+ K	-Ca	- Mg	-Na	18-23 ft.
053601	< 5	+ La	+ Rb	+ Th	+ U	+Zr	+ Hg			-Ca	-Mg	-Na	23—28 ft.
053602	< 5	+ La	+Rb	+Th	+ U	+ Zr				—Ca	-Mg	-Na	28—33 ft.
053603	< 5	+ La	+ Rb	+ Th	+ U	+Zr				-Ca	- Mg	-Na	33—38 ft.
053682	109	+ La	+ As	+ Th	+ Mo	+Sb	+ Hg	+ S		-Ca	- Mg	- Na	77—79 ft.

HIGH FIELD STRENGTH ELEMENT Zr — supports evidence for fault.


88 LINE
225 PPB Au Noranda 88
FOR DDH No. 1 and 2 — see 2001 REPORT
100 PPB Au NORANDA 87
9700N- ENZYME LEACH APICAL ANOMALY
PLAN 11+300E
9692 N
9710N
11+300 E
9650N
11+300E
CGGC-2(-50°)
CGGC-8(-85°)
CGGC-1(-70°)
9750 N
Qtz. Vugs Fluorite
QFP
OXIDIZED ZONE
QFP
(053682) PYRITE SHEAR
1151'
Quartz Feldspar
Porphyry
LEGEND:
-BRECCIA
-PYRITE
S -SERICITE ALTERATION
-CLAY ALTERATION
D.D.H. No. 8 2002
COLLAR 11+300 E
AZIMUTH 225°
LOOKING NW
SCALE: 1:500

APPENDIX 3

DIAMOND DRILL HOLE

DESCRIPTIVE LOGS

GREW CREEK PROJECT

DIAMOND DRILL HOLE LOGS

GEOLOGIC AND ALTERATION LEGEND

PLEISTOCENE

OVBN — Overburden: poorly sorted, clay rich glacial till; numerous exotic boulders rounded to sub-angular in clay rich matrix. Or, preglacial gravel; rusty weathered sandy to pebbles of exotic composition recoveries very poor. Or, carbonaceous black organic deposits; locally coal beds at deeper levels.

EOCENE

SEDS — Fluvial sedimentary rocks: moderately to poorly consolidated interbedded sandstone, conglomerate, argillite and coal. Light grey to black, moderately to poorly sorted sandstone and polymictic conglomerate with gradational contacts. Conglomerate is clast supported with sandy matrix. Sandstone massive to graded bedding and locally cross bedded. Argillite is fissile black mudstone to coaly deposits. Thin beds within the clastic graded sequence.

TUFF — Felsic crystal tuff: otherwise identified as:

RHYT: felsic crystal or ash tuff with variable lithic or lapilli clasts.

S&P TUFF: salt and pepper texture of non-welded rhyolite crystal lithic tuff. Lithic clasts of uniform size ranging from 1-3 mm in crystal matrix.

CLP TUFF: rhyolite crystal lithic or lapilli pumice tuff. Distal facies poorly sorted with minor lapilli clasts predominant lithic clast and crystal tuff matrix. Proximal facies predominantly lapilli rhyolite and pumice fragments with minor dark crystal matrix.

WELDED RHYT: welded CLP tuff. Creamy grey to green pseudo-porphyry with rounded and broken white to grey "phenocryst" of calcite or rhyolite.

RHY — RHYOLITE: massive fine grained grey rhyolite. Partially brecciated. Other types as follows:

RHYX: rhyolite breccia.

RHYP: rhyolite "quartz eye" porphyry. Smoky grey quartz phenocryst in fine grained creamy to white groundmass.

QPOR: quartz porphyry. As RHYP with larger more prominent quartz phenocryst.

FPOR: feldspar porphyry. Grey euhedral feldspar phenocryst in fine grained grey groundmass.

QFP: quartz feldspar porphyry. Grey quartz eye and feldspar phenocryst in creamy white groundmass.

IVOL INTERMEDIATE VOLCANICS: dark grey green lithic and lapilli tuff and tuff breccia.
AND: fine grained massive andesite flow rocks. Occasionally porphyritic or amygdalidal.

MVOL MAFIC VOLCANICS: dark green to black locally chloritized mafic tuff and tuff breccia.

BSLT: fine grained massive to porphyritic dark green basalt flow or dyke.

DIABASE DIABASE/MICROGABBRO/DIORITE: equigranular fine to medium grained mafic intrusive rocks. Composed of plagioclase grains and 20-40 % amphibole crystals.

CONG CONGLOMERATE: very resistant, strongly lithified quartz pebble conglomerate. Massive bedded with interbeds of SST - sandstone and ARG - argillite. Conglomerate is clast supported with rounded to sub-angular clasts of quartz, sandstone, siltstone and rare volcanic and metamorphic rocks. Interbeds of coarse sandstone are gradational quartzose beds of medium thickness. Siltstone beds are black carbonaceous.

PALAEOZOIC

CPHY CHLORITIC SHEAR: well foliated heterolithic brecciated shear zone with chlorite rich matrix.

FLT FAULT ZONE: coarse heterolithic breccia in black carbonaceous clay matrix in conglomerate sequence or clay seams in volcanic rocks.

ALTERATION CODES:

S	SILICIFICATION:	W - weak, patchy M - moderate, along vein margins P - pervaisive
A	ARGILLIC:	Ac - acid leaching F - feldspars selectively altered to clay P - pervaisive clay altered
C	CARBONATE	W - weak, patchy local calcification M - moderate calcite of matrix or calcite altered "phenocrysts" P - pervaisive alteration of matrix and calcite "phenocrysts". S - strong, highly effervesent with HCl.
Se	SERICITE	W - weak, patchy green alteration M - moderate alteration P - pervaisive, bright green smectite alteration
Py	PYRITE	Percentage Tr trace 1 1 - 3 % 2 3 - 5 % 3 5 - 10 % 4 10 - 20 % 5 20 - 40 % Type D disseminated S stinger
Qv	QUARTZ VEINS	Number of veins or stringers.
T	Type or Total Alteration Classification	Ph phyllic QA quartz-adularia A argillic W clay weathering L local M moderate I intense
CR	Core recovery in %	
Struct. Int.	Fracture intensity of core: degree of broken core from 0 - continuous whole core piece to 10 - no whole core pieces recovered.	

GRID Anomaly E HOLE NO. CGGC-5 COORDINATES L11+800E 9+696.5N

BEARING 045° Az ANGLE -50° DEPTH 380'

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
0'	14'	OVBN			
14'	31'	HYDROTHERMAL BRECCIA H.B.			
		14'-16': broken - light brown rusty, clay rich material - calcareous.			
		16'-18.5': 50% recovery. Intensely (limonite fractured block of prominently flow-banded QP - very silicerous - occasional pyrite blebs. Latter portion of this section consists 50% of fragments within a dried, white granular clay			
		18.5-19': fine black matrix H.B. - Clasts of intensely flow-banded QP - silicerous			
		19'-20': light brown rusty - dried clay			
		(17'-21.5')	US3612		<5
		20'-31': fine black matrix H.B. Clasts to 7cm. of essentially highly flow-banded QP. Larger clasts fractured with limonite. Flow foliations consist of banded milky white and grey qtz. Very silicerous (21.5'-26.75')	US3613		<5
		25'-26' - thin veins + spotty replacement of amethyst in QP. Clasts. Several larger clasts consist of milky qtz veinlets. Only a few original qtz. eyes remaining - no foliation. (26.75'-31')	US3614		<5
		27' - minor amethyst replacements			
		27.5'-31' - Larger clasts of QP. Foliation faint - very silicerous. Surficial oxidation fades out at 31'			
31'	86.5'	RHYOLITIC PYROCLASTIC - lapilli ash tuff			

Logged by..... Hole Number..... Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
31'	86.5	A dark gray matrix supports tuffaceous fragments of rather fine grained Qtz. feldsp. rhyolite flows, carbonaceous rich material and occasional Qtz Quartz. Lapilli fragments consist of altered QP - some of a pinkish hue (perhaps K-spar) and others devitrified. Core is siliceous with occasional pyrite blebs.		ppb	ppm
		80'-86.5': Matrix abruptly darkens at 80', coincident with minor veinlets of amethyst. 2nd, similar veinlet at 91'. Occasional large lapilli of carbonaceous material. 80'-85'	053615	<5	
		81'-84.5' - Strong sericite alt. of QP. Clasts.			
		86-86.5' - Siliceous milky white, intensely flow-banded QP lapilli			
		86.5' - a 3" section of greenish white clay (smectite).			
86.5'	91'	HYDROTHERMAL BRECCIA - H.B.			
		A large block of flow-banded pink host QP-cut by numerous thin qtz. and qtz. carbonate H.B. veinlets 85'-91'	053616	<5	
		89' - an irregular contact with a carbonaceous rich section of H.B. Interesting to note that the matrix of the carbonate host to H.B. veinlets is of similar material.			
		Amethyst veinlets at 87½ and 89' -			
		The entire section is somewhat calcareous.			
91'	99'	CARBONACEOUS (CRUSS BEDDED UNIT) within H.B.			
		Irregular, thin qtz. carbonate veinlets -			

Logged by A Cuttle Hole Number CGGC-5 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		Celeso sections of minor HB fractures -		ppb	PPM
		most prominent near 99' - where a 9 cm.			
		band of H.B. cuts core at an acute			
		angle. This same material is seen in			
		ash to lapilli size within the rhyolitic			
		pyroclastics and at times as foreign			
		fragments within QP lapilli. This			
		unit may be a true surge - and therefore			
		of juvenile and accessory origin.			
		94' - a 5cm. irregular patch of fine			
		pyrite (5%) with scattered small white qtz.			
		(91'-95½')	U53617	37	
99'	118½	HYDROTHERMAL BRECCIA - H.B. - (HETEROLITHIC)			
		A well developed HB with fragment size			
		4-6 cm. and larger, supported by a siliceous			
		fine grained dark matrix. Fragments are			
		made up disproportionately of strongly			
		flow banded QP. Also present: grey qtz,			
		- lapilli ash tuff - occasional Celeso			
		diabase and small fragments of the			
		carbonaceous unit. Fe oxide splotched			
		throughout - some along thin fractures			
		Variably calcareous - but consistent.			
		(95½-100½)	U53618	<5	
		99'-113' - many flow banded QP fragments			
		have a light peach-pink hue - others			
		a greenish cast. (100½-105')	U53619	<5	
		102½' - a 5mm green fluorite vein - 40°CA			
		104½' - 106' - an intact lapilli ash			
		tuff block - not breached by hydrofracture			
		brecciation.			
		113'-118½' - Feldspars of greenish hue			
		Amethyst - thin veinlets: 108'-50°CA / 109' -60°CA			
		112'-60°CA (106½-111½')	U53620	>5	

Logged by A. Curley   Hole Number CGGC-5   Sheet Number 3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		(111½-117½)	053621	>5	
118½'	123½'	RHYOLITIC PYROCLASTIC - lapilli ash Tuff			
		lapilli consist essentially of lightly flow banded QP. which appears somewhat flattened in a preferred direction giving the rock a foliated appearance. The matrix in general and in particular the lapilli lithics have a greenish hue. Few separate fractures at 60° CA Core clay rich. Scattered thru-out are carbonaceous lithics not exceeding 5mm. Core is relatively siliceous.			
123½'	128'	H.B. HYDROTHERMAL BRECCIA (Heterolithologic)			
		Section begins with a hydrofractured tuff to a 6" carbonaceous fragment at 124½' - displaying thin Qtz. plus Qtz. carb. veinlets 125½' - Significant fine pyrite along fracture. The remaining section to 128' is of flow banded QP - cut by irregular dark matrix hydrothermal breccia veinlets. 126½' - Clay seam at 60° CA. Some of larger QP lapilli appear to be selectively silicified - obliterating the flow-banded texture. Flow banding within QP lapilli varies between a greenish to light peach-pink hue. The section is significantly Calcareous - plus devitrified. Amethystic vein replacement section at 126½'	(123½-128')	053622	<5

Logged by J. Carlin Hole Number CSGC-5 Sheet Number 4

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
128'	142'	<u>RHYOLITIC PYROCLASTIC - lapilli ash Tuff</u>			
		Essentially as 118½' - 123½' - the QP lithics in particular are notable in their olive-green coloration. During drilling this section produced a distinct green tinted water return - strong sericite alt. - Noted also are a no. of QP lapilli of a white-grey color - very distinct but thin flow banding present - also spherulites.			
		133½' - Several well rounded carbonaceous lithics.			
142'	158½'	<u>HYDROTHERMAL BRECCIA (Heterolithologic)</u>			
		Irregular anastomosing bodies plus small veins and veinlets of dark matrix H.B. penetrate large blocks of intensely flow banded QP. Other small fragments include grey Qtz., what may be a fine grained tuff and a strange foliated block at 152½'. QP generally has a peach-pink hue - although some smaller fragments within the breccia are slightly green. Calcareous thru-out. Very siliceous generally. Strong clay alteration from 142'-143' and 154½'-158' - with a pyrite increase at the latter interval.			
		143' - Amethyst - Clay seam 60° CA			
		144' - " " " " "			
		144½' - " " " " "			
		145' - Amethyst vein - 65° CA			
		146' - Amethyst " - 65° CA - outer edges			

Logged by A. Carlos Hole Number CGGC-5 Sheet Number 5

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		White Qtz. with pink interior (bleached).		PPb	PPm
		Flow banding within QP is normal			
		to the veinlet - appears silicified			
		by milky white Qtz. up to 5 cm. wide.			
		147' - Amethyst veinlets - 65° CA (142' - 147½')	053623	6	
		148' - Thin ft. brecciation along a			
		flow banding plane - also a section			
		of a jig-saw pattern ft. breccia.			
		149' - Amethyst - 70° CA			
		149½' - " - 45° CA - also			
		thin dark matrix ft. breccia veinlets			
		150' - Amethyst - definite replacements			
		of previous Qtz. phenocryst in QP.			
		152½-153½ - Intermittently (147½' - 152½')	053624	<5	
		carbonaceous and gray micaceous - foliated			
		vein - itself permeated and surrounded			
		by ft. breccia.			
		154½ - Amethyst			
		156½ - Milky-White Qtz. veinlets			
		157' - Short section of intense			
		White Qtz. replacement of QP - flow			
		banding obliterated. Upon splitting -			
		malachite noted along fractures -			
		Microscope shows a fine Qtz. mineral			
		157½ - 6cm & cm. section of intense			
		brecciation (gravelly) - Clay rich. (158½' - 158')	053625	9	0.13
		157½-158' - Grains of hematite			
		material in ft. breccia.			
158½	173½'	RHYOLITIC PYROCLASTIC - lapilli Pumice Ash tuff			
		Lapilli pumice and QP fragments set			
		in a dark crystal matrix. QP lapilli			
		are very glassy with no foliation evident.			
		Only minor randomly oriented Qtz			

Logged by A. Conroy Hole Number CGGC-5 Sheet Number 6

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
		to small lapilli of the carbonaceous unit are present. Not strongly siliceous except for pumice lapilli - Non-Calcareous Other than for a few thin Carbonate veinlets		
173½'	317'	H.B. - HYDROTHERMAL BRECCIA (BRECCIA continuum)		
		BRECCIA 1A: Initial hydrofracture of QP, forming an intense micro-fractured crackle breccia. Many of the fragments are rounded - perhaps due to minor attrition and/or hydrothermal process. Interstices are healed by a clear Qtz. This breccia type is a minor component of this section.		
		BRECCIA 1B: Complete silicification of 1A type - obliterating the individual fragments, but leaving a stressed pattern [illegible] of a gray micaceous appearing mineral.		
		BRECCIA 1C: Fluidization of 1A and possibly 1B to create a very fine grained matrix supported monolithologic hydrothermal breccia		
		BRECCIA 1D: ACCRETIONARY lapilli HYD. BRECCIA? - formed from a late stage channelized fluidization event (Cindy L. Williams of Newmont Ex.). Round to ovoid shapes		

Logged by A. Carlos   Hole Number CGGC-5   Sheet Number 7

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY

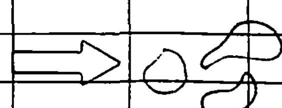
not exceeding 3mm. in diameter - set in a gray to clear Qtz. Carbonate matrix.

BRECCIA #2 : MONO TO HETEROLITHOLOGIC

This appears to be the final breccia event - cutting all of the above breccias in the form of minor veins and veinlets to irregular anastomosing zones.
The above temporal sequence of hydrothermal brecciation is very general and is simply my initial attempt to understand this section. In many instances the fragments exhibit thin rounding - evidence for fluid flowage.
Pyrite and hematite are present from 173½' - 245'.

173½-245'
A section of hydrothermal brecciation and ubiquitous pyrite - varying locally, but average at about 2%. Hematite consistently present. Calcareous thru-out and moderately siliceous.

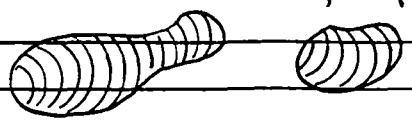
173'-180' - 1B and #2 type breccias - a block of strongly foliated QP at at 174½'. At 178'- a 6cm. section of brecciated carbonaceous unit in a #2 type breccia. At 178½' type 1B breccia displaying irregular to circular replacements by Qtz. to Qtz. Carbonate - at times rimmed by pyrite. Minor



Logged by [signature] Hole Number CGGC-5 Sheet Number 8

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				Au	Ag
		Hematite occurs in breccia matrix.		PPb	PPm
		At 180' - QP is intensely micro-fractured to type 1A breccia. (173½ - 179')	053626	>5	0.10
		180½' - 185' - Type 1B breccia is in turn cut by ± 2 type breccia - (heterolithologic with black matrix) - minor pyrite + scattered hematite. (179' - 184')	053627	>5	0.08
		185' - 187' - 1B breccia cut by type ± 2. Q very distinctive ~~pattern~~ pattern of a grey to brownish microcrystalline mineral - pyrite + hematite (184 - 189')	053628	13	0.15
		187' - 206': Essentially 1B breccia - minor 1C type. Many irregular and rounded - generally 2-5mm in extent - replacement features - noted previously. These are either totally or partially replaced by pyrite and/or hematite. At times these irregular to (189' - 194')	053629	37	0.21
		circular replacements are rimmed by either hematite or pyrite. Hematite plus pyrite also occurs along fractures and disseminated thru-out. Amethyst replaces a large no. of these rounded or irregular features. It is difficult to estimate the hematite present - but it is finely divided in the breccia matrix - as well as in the manner just noted.			
		193' - Green fluorite - 2cm. vein - 65° CA			
		193½' - 196' - Concentrically banded hematite qtz. / white qtz. within a few cm. of the irregular to rounded replacement features noted earlier. In the			

Logged by A. Culos Hole Number CGGC-5 Sheet Number 9

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		instance, a thin pyrite band was included in the sequence.		ppb	ppm
		 (194'-199')	053630	17	0.08
		199½ - Strong fluid flowage texture - dark carbonaceous material throughout - to 3mm. Hematite very noticeable in matrix.			
		201' - Nice breccia flowage textures - Carbonaceous material.			
		202' - A trace of visible in pyrite			
		203½ - Minor white qtz. veinlets. The irregular to rounded fragments are larger present - more hematite frequently in the matrix - increase in Carbonaceous material. (199'-204')	053631	92	0.29
		206'-245': Previous 1B type hydrothermal breccia disrupted by a move to heterolithilogic #2 type. The monolithilogic breccia is simply a matrix rich fluid disrupting the 1B type breccia. The latter breccia has well disseminated hematite - but is difficult to see because of a darker matrix.			
		209' - Clay rich crushed section - fine pyrite + hematite fragments. (204'-209')	053632	65	0.25
		210' - 8 cm. disrupted blocks of Carbonaceous unit in #2/1B breccia.			
		212' - 10 cm. section of white clay (209'-214')	053633	9	0.11
		219' - Monolithilogic #2 type disrupting a 12" block of Carbonaceous unit. (214'-219')	053634	8	0.13

Logged by A. Curlew Hole Number CGGC-5 Sheet Number 10

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				Au	Ag
		220'-223½' - Intense pyrite plus		ppb	ppm
		hematite - minor white Qtz. veins -			
		Carbonaceous material in breccia (219'-224'	US3635	6	0.11
		223½'-226' - disrupted black carbonaceous			
		unit - siliceous - white Qtz. veinlets plus			
		breccia veins (224'-229'	US3636	34	0.16
		227'-229' - Strong hematite-pyrite in			
		#2 heterolithologic hydrothermal breccia.			
		228' - Clay fracture - 60° CA			
		229'-238' - Monolithologic " "			
		H.B. fragmenting and dissolving thru			
		type 1B breccia. Hematite plus pyrite			
		in both breccia types - within matrix.			
		Carbonaceous material in #2 type H.B. (229'-234'	US3637	12	0.08
		238'-245' - #2 type heterolithologic H.B. -			
		239'-240' - QV block - moderately			
		micro-fractured - type 1A breccia - minor			
		pyrite hematite. (234'-239'	US3638	<5	0.06
		241½' - Prominent fluid flow texture -			
		minor pyrite or hematite. From 241½'			
		to end of this section at 245' - has a			
		granular surface texture - indicative			
		rich Clay matrix to the core. (239'-245'	US3639	<5	0.06
		245'-317':			
		Strongly Clay plus Sericite alt.			
		H. Breccia interval - at times core			
		has a porous outer surface - Showing			
		gravel size fragments supported by a			
		Clay matrix. This may be veinlet to			
		Tectonic brecciation of a QVE-cemented			
		hydrothermal breccia. Very minor			
		hematite or pyrite.			

Logged by A. Carlos Hole Number CGGC-5 Sheet Number 11

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
		246'-247' - Strong sericitic alteration of H.B. Type no. 2			
		249' - Green Fluorite - Sem. Circular replacement			
		251'-255' - Intensely crushed carbonaceous & Tuff carbonaceous unit - remnants of type no. 2 breccia occurs within this crushed material.			
		255'-256' - A block of non-mineralized lapilli pumice ash tuff. This suggests that this tuff unit must have a high resistance to hydrofracture.			
		256'-263' - Strong sericitic Qtz Clay alteration - Bleached carbonaceous			
		263'-279': Sericitic alteration of breccia types 1B and 1C (not crushed). Again pyrite cuts the irregular to Circular replacements of Qtz & Tr. Dan Carb. There is minor pyrite associated with these features.			
		272'9"-275'6" - White gray to Gray Quartz - banding visible (272'9"-275'6")	056235	7	0.11
		279'-284' - Black to white Qtz. veining - Crush zones (279-284')	056236	6	0.14
		284-289' - Tan gray crushed Qtz. zone - Clay rich (284'-289')	056237	10	0.05
		289'-294' - White Qtz. Veining Evident where not crushed - dark gray to tan Qtz. fragments - zone appears as Qtz vein veining in the crushed zone - Qtz in a Clay Matrix (289'-294')	056238	11	0.13
		294'-299'-Qtz predominant tan crushed Qtz in a Clay matrix (294'-299')	056239	5	0.08

Logged by A. Carlos Hole Number CGGC-5 Sheet Number 12

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		299'-304' - As 294'-299' - Up to		PPb	PPm
		50% milky-white quartz fragments			
		(299-304'	056240	<5	0.07
		304'-309' - A predominant tan			
		crushed qtz. in clay matrix (304-309'	056241	7	0.09
		309'-317' - Predominant Tan Crushed			
		Qtz. - Some milky white qtz. veining.			
		At 310' occurs a 1/2 cm. wide			
		crushed hematite rich vein let (309'-317'	056242	<5	0.07
317'	322'	CARBONACEOUS UNIT			
		Micaceous - Non brecciated -			
		No bedding fractures			
322'	330'	RHYOLITIC PYROCLASTIC - lapilli Pumice Crs. Tuff			
		Core surface is granular - Clay alt.			
330'	334'	QUARTZ PORPHYRY - QP			
		Intensely fractured as Rev type			
		IA breccia previously silicified - Strongly			
		Recrystallized - It has a foliated			
		appearance due to a flattening			
		and preferred alignment of			
		fractured matrix material.			
334'	338½	RHYOLITIC PYROCLASTIC - lapilli Pumice crs tuff			
		As 322'-330'.			
338½	347'	IC + ID TYPE HYDROTHERMAL BRECCIA			
		Very Clay rich.			

Logged by A. Carlyle Hole Number CGGC-5 Sheet Number 13

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

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

Date : 12-Dec-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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	Ba-AA61 Ba ppm 10	Ag-AA46 Ag ppm 1
053692										
053693		0.16	<0.05	16	0.06	0.65	16	0.5	310	
053694		0.03	0.38	2	0.40	2.37	585	0.5	50	206
053695		0.22	1.16	74	0.10	20.8	58	3.2	1000	
053696		<0.02	0.45	4	0.51	10.90	13	2.0	190	

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

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

Date : 11-Oct-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02004052

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 0.2	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
053601		1.76	<0.005	0.04	0.78	0.9	<10	40.7	1.70	0.06	0.51	0.17	180.0	0.9	82	4.07
053602		1.70	<0.005	0.04	0.41	1.0	<10	41.8	1.52	0.07	0.13	0.19	180.0	0.7	54	3.62
053603		2.08	<0.005	0.07	0.47	0.7	<10	38.0	1.56	0.12	0.20	0.17	170.0	0.8	78	3.60
053604		1.10	0.014	0.08	1.81	8.6	20	72.7	3.21	0.20	2.66	0.22	150.0	1.4	113	8.11
053605		1.52	0.052	0.07	0.36	24.7	<10	29.6	1.73	0.07	0.40	0.24	160.0	1.1	95	2.78
053606		1.60	0.015	0.05	0.34	9.2	<10	36.7	1.94	0.07	0.16	0.25	150.0	1.4	80	3.38
053607		1.94	0.050	0.07	0.39	31.0	<10	21.3	1.73	0.07	0.17	0.21	160.0	1.1	114	2.57
053608		1.84	0.005	0.06	0.41	8.8	<10	31.6	2.35	0.07	0.96	0.47	160.0	4.3	84	2.70
053609		1.74	<0.005	0.04	0.35	4.0	<10	19.4	2.14	0.05	1.32	0.30	160.0	2.1	167	2.50
053610		1.92	<0.005	0.05	0.52	4.7	<10	29.6	2.04	0.15	0.84	0.14	170.0	1.3	63	2.43
053611		1.84	<0.005	0.03	0.36	1.9	<10	24.6	1.83	0.04	0.87	0.27	170.0	0.9	69	2.80
056245		0.60	<0.005	0.03	2.12	0.5	<10	73.6	0.83	0.02	9.02	0.13	32.7	19.1	76	1.09
056246		1.44	0.017	0.04	0.84	5.0	<10	43.8	1.49	0.08	0.75	0.13	150.0	1.2	134	2.89
056247		1.72	0.056	0.10	1.64	16.1	<10	150.0	1.61	0.21	1.85	0.11	140.0	1.5	212	3.86
056248		1.76	0.030	0.10	0.69	10.6	<10	38.6	1.82	0.28	0.49	0.15	160.0	1.0	104	4.32
056249		1.56	0.005	0.06	1.38	1.7	<10	81.3	1.89	0.11	1.28	0.16	160.0	0.8	67	3.94

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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212 Brooksbank Avenue
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Phone: 604 984 0221 Fax: 604 984 0218

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

Date : 11-Oct-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02004052

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
053601		3.2	1.64	4.03	0.18	1.07	0.14	0.057	0.50	98.4	1.3	0.03	368	1.48	0.01	0.79
053602		2.8	1.61	2.25	0.17	0.58	0.07	0.053	0.39	102.5	0.9	0.02	377	1.49	0.01	0.27
053603		8.3	1.61	2.47	0.17	0.83	0.07	0.055	0.38	99.6	0.9	0.03	419	2.86	0.01	0.36
053604		2.9	1.34	7.26	0.23	1.47	0.06	0.057	1.03	87.5	4.1	0.03	398	3.15	0.04	2.45
053605		3.8	1.30	1.90	0.18	0.52	0.06	0.049	0.37	94.9	1.3	0.05	382	3.02	0.02	0.29
053606		3.4	1.49	1.70	0.18	0.44	0.05	0.050	0.39	83.9	1.4	0.06	452	5.02	0.02	0.24
053607		2.7	1.58	1.93	0.17	0.43	0.05	0.052	0.39	96.8	1.4	0.06	469	3.11	0.02	0.21
053608		8.6	1.66	1.98	0.17	0.55	0.04	0.051	0.34	92.9	1.5	0.12	414	2.38	0.02	0.24
053609		5.4	1.49	1.89	0.19	0.56	0.04	0.043	0.34	92.6	1.3	0.06	368	3.47	0.02	0.20
053610		3.5	1.46	2.68	0.19	0.62	0.04	0.053	0.46	98.1	1.1	0.05	369	3.04	0.01	0.22
053611		3.1	1.59	2.02	0.19	0.47	0.05	0.055	0.40	99.5	1.0	0.04	453	1.43	0.01	0.24
056245		18.8	4.88	4.82	0.12	0.08	0.03	0.033	0.08	19.5	6.9	3.87	1420	1.53	0.84	0.12
056246		3.0	1.34	4.01	0.16	1.00	0.04	0.055	0.45	84.2	0.8	0.04	295	1.72	0.01	1.05
056247		3.4	1.49	7.47	0.22	1.19	0.04	0.059	1.10	80.6	1.2	0.05	280	2.31	0.02	1.86
056248		3.5	1.57	3.91	0.19	1.00	0.05	0.067	0.41	94.5	0.8	0.02	379	1.55	0.01	0.97
056249		2.6	1.37	6.53	0.21	1.36	0.04	0.055	0.86	98.9	1.1	0.02	329	2.05	0.01	1.49

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

Date : 11-Oct-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02004052

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
053601		1.5	80	14.5	35.2	<0.001	0.02	0.34	1.2	1.0	0.8	5.9	0.01	0.01	15.5	<0.01
053602		1.2	100	13.6	28.3	<0.001	0.01	0.15	1.1	0.8	0.4	4.8	0.01	<0.01	14.3	<0.01
053603		1.6	90	17.2	27.5	<0.001	0.02	0.43	1.1	0.8	0.5	5.8	0.01	0.01	15.9	<0.01
053604		0.4	90	26.6	64.1	0.001	0.11	0.63	2.4	1.1	1.5	26.5	0.02	0.01	14.1	<0.01
053605		2.1	80	31.3	30.6	0.001	0.15	0.43	1.1	1.0	0.4	17.3	0.01	<0.01	15.1	<0.01
053606		2.2	220	25.8	32.8	<0.001	0.08	0.27	1.3	1.0	0.4	10.9	0.01	<0.01	13.6	<0.01
053607		2.5	90	32.1	32.5	<0.001	0.23	0.59	1.1	1.1	0.5	13.3	0.01	<0.01	16.9	<0.01
053608		6.6	300	37.9	26.0	<0.001	0.07	1.64	2.1	1.0	0.6	51.1	0.01	<0.01	18.7	<0.01
053609		3.6	100	36.3	25.6	<0.001	0.07	0.32	1.2	1.3	0.5	73.5	0.01	<0.01	19.4	<0.01
053610		1.3	70	28.8	31.0	<0.001	0.11	0.49	1.2	1.2	0.7	45.4	0.01	<0.01	18.5	<0.01
053611		1.1	100	31.7	30.2	<0.001	0.07	0.19	1.2	1.0	0.5	42.5	0.01	<0.01	15.0	<0.01
056245		40.2	1100	2.4	3.4	<0.001	0.02	0.06	9.6	0.4	0.5	507	<0.01	<0.01	2.2	<0.01
056246		2.7	30	10.9	30.6	<0.001	0.01	0.27	1.3	0.7	0.9	7.5	0.01	0.01	12.5	<0.01
056247		3.1	30	13.6	67.3	<0.001	0.05	0.53	1.7	0.8	1.3	11.0	0.01	0.01	12.9	<0.01
056248		2.0	70	18.0	30.4	<0.001	0.04	0.31	1.4	0.8	0.9	5.2	0.01	0.01	14.9	<0.01
056249		0.6	70	14.4	52.1	<0.001	0.01	0.21	1.6	0.9	1.1	6.9	0.01	<0.01	15.7	<0.01

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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

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

Date : 11-Oct-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02004052

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
053601		0.16	1.39	1	0.11	29.2	77	29.6
053602		0.10	1.09	<1	0.10	26.4	72	15.6
053603		0.11	1.28	<1	0.11	26.7	72	20.8
053604		0.27	1.93	1	0.18	37.1	79	40.9
053605		0.16	1.18	<1	0.31	30.3	93	11.7
053606		0.13	0.99	1	0.14	27.7	86	10.4
053607		0.15	1.08	<1	0.13	29.9	90	9.9
053608		0.11	1.27	4	0.21	32.9	82	13.6
053609		0.14	1.42	1	0.18	39.2	107	12.3
053610		0.23	1.67	<1	0.09	39.0	85	12.9
053611		0.15	0.91	<1	0.09	32.5	96	10.9
056245		<0.02	0.43	76	<0.05	10.60	41	5.4
056246		0.14	1.19	1	0.17	20.9	57	25.7
056247		0.30	1.25	2	0.20	21.5	50	31.4
056248		0.11	1.15	1	0.16	22.9	68	26.8
056249		0.22	1.55	1	0.12	28.0	67	36.4

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Aurora Laboratory Services Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
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To: CARLOS, ALLEN
275 ALSEK RD.
WHITEHORSE YT Y1A 4T1

CERTIFICATE VA02002491

Project : CANYON GOLD

P.O. No:

This report is for 10 DRILL CORE samples submitted to our lab in North Vancouver, BC, Canada on 31-Jul-2002.

The following have access to data associated with this certificate:

ALLEN CARLOS

SAMPLE PREPARATION

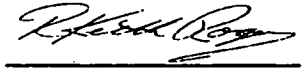
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% 75micro

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS41	50 element aqua regia ICP-MS	
ME-ICP41i	ICP-AES elements for ME-MS41	ICP-AES
ME-MS41i	ICP-MS elements for ME-MS41	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: 

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

Date : 9-Aug-2002
Account: TFI

Project : CANYON GOLD

CERTIFICATE OF ANALYSIS VA02002491

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
056235		49.9	1960	3.8	13.1	0.001	0.18	0.62	8.0	0.6	0.2	352	0.01	0.02	2.3	<0.01
056236		47.5	2060	5.7	15.1	0.001	0.29	1.14	10.2	0.9	0.3	292	0.01	0.02	4.2	<0.01
056237		20.0	740	7.4	15.8	0.001	0.11	0.34	5.5	0.9	0.6	138.0	0.01	0.01	10.5	<0.01
056238		56.5	2470	6.9	17.5	0.001	0.34	1.91	13.1	1.1	0.4	211	0.01	0.02	3.5	<0.01
056239		35.6	1770	7.8	15.8	0.001	0.16	0.37	11.5	1.2	0.2	191.0	0.01	0.01	2.0	<0.01
056240		35.3	1910	5.8	17.5	0.001	0.22	0.34	12.9	1.0	0.2	166.0	0.01	0.01	2.2	<0.01
056241		35.9	1530	6.9	15.7	0.001	0.36	0.70	11.1	1.0	0.2	159.0	0.01	0.01	2.3	<0.01
056242		34.1	1380	9.7	15.8	0.001	0.21	0.41	10.9	1.0	0.2	224	0.01	0.01	3.0	<0.01
056243		21.0	660	24.9	12.3	0.001	0.12	0.63	6.2	0.8	0.5	131.0	0.01	0.01	6.6	<0.01
056244		39.5	900	8.9	12.2	0.001	0.05	0.98	9.8	0.8	0.4	185.0	0.01	0.02	4.1	<0.01

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WHITEHORSE YT Y1A 4T1

Date : 9-Aug-2002
Account: TFI

Project : CANYON GOLD

CERTIFICATE OF ANALYSIS VA02002491

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
056235		49.9	1960	3.8	13.1	0.001	0.18	0.62	8.0	0.6	0.2	352	0.01	0.02	2.3	<0.01
056236		47.5	2060	5.7	15.1	0.001	0.29	1.14	10.2	0.9	0.3	292	0.01	0.02	4.2	<0.01
056237		20.0	740	7.4	15.8	0.001	0.11	0.34	5.5	0.9	0.6	138.0	0.01	0.01	10.5	<0.01
056238		56.5	2470	6.9	17.5	0.001	0.34	1.91	13.1	1.1	0.4	211	0.01	0.02	3.5	<0.01
056239		35.6	1770	7.8	15.8	0.001	0.16	0.37	11.5	1.2	0.2	191.0	0.01	0.01	2.0	<0.01
056240		35.3	1910	5.8	17.5	0.001	0.22	0.34	12.9	1.0	0.2	166.0	0.01	0.01	2.2	<0.01
056241		35.9	1530	6.9	15.7	0.001	0.36	0.70	11.1	1.0	0.2	159.0	0.01	0.01	2.3	<0.01
056242		34.1	1380	9.7	15.8	0.001	0.21	0.41	10.9	1.0	0.2	224	0.01	0.01	3.0	<0.01
056243		21.0	660	24.9	12.3	0.001	0.12	0.63	6.2	0.8	0.5	131.0	0.01	0.01	6.6	<0.01
056244		39.5	900	8.9	12.2	0.001	0.05	0.98	9.8	0.8	0.4	185.0	0.01	0.02	4.1	<0.01

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WHITEHORSE YT Y1A 4T1

Date : 9-Aug-2002
Account: TFI

Project : CANYON GOLD

CERTIFICATE OF ANALYSIS VA02002491

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
056235		49.9	1960	3.8	13.1	0.001	0.18	0.62	8.0	0.6	0.2	352	0.01	0.02	2.3	<0.01
056236		47.5	2060	5.7	15.1	0.001	0.29	1.14	10.2	0.9	0.3	292	0.01	0.02	4.2	<0.01
056237		20.0	740	7.4	15.8	0.001	0.11	0.34	5.5	0.9	0.6	138.0	0.01	0.01	10.5	<0.01
056238		56.5	2470	6.9	17.5	0.001	0.34	1.91	13.1	1.1	0.4	211	0.01	0.02	3.5	<0.01
056239		35.6	1770	7.8	15.8	0.001	0.16	0.37	11.5	1.2	0.2	191.0	0.01	0.01	2.0	<0.01
056240		35.3	1910	5.8	17.5	0.001	0.22	0.34	12.9	1.0	0.2	166.0	0.01	0.01	2.2	<0.01
056241		35.9	1530	6.9	15.7	0.001	0.36	0.70	11.1	1.0	0.2	159.0	0.01	0.01	2.3	<0.01
056242		34.1	1380	9.7	15.8	0.001	0.21	0.41	10.9	1.0	0.2	224	0.01	0.01	3.0	<0.01
056243		21.0	660	24.9	12.3	0.001	0.12	0.63	6.2	0.8	0.5	131.0	0.01	0.01	6.6	<0.01
056244		39.5	900	8.9	12.2	0.001	0.05	0.98	9.8	0.8	0.4	185.0	0.01	0.02	4.1	<0.01

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

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

Date : 9-Aug-2002
Account: TFI

Project : CANYON GOLD

CERTIFICATE OF ANALYSIS VA02002491

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
056235		49.9	1960	3.8	13.1	0.001	0.18	0.62	8.0	0.6	0.2	352	0.01	0.02	2.3	<0.01
056236		47.5	2060	5.7	15.1	0.001	0.29	1.14	10.2	0.9	0.3	292	0.01	0.02	4.2	<0.01
056237		20.0	740	7.4	15.8	0.001	0.11	0.34	5.5	0.9	0.6	138.0	0.01	0.01	10.5	<0.01
056238		56.5	2470	6.9	17.5	0.001	0.34	1.91	13.1	1.1	0.4	211	0.01	0.02	3.5	<0.01
056239		35.6	1770	7.8	15.8	0.001	0.16	0.37	11.5	1.2	0.2	191.0	0.01	0.01	2.0	<0.01
056240		35.3	1910	5.8	17.5	0.001	0.22	0.34	12.9	1.0	0.2	166.0	0.01	0.01	2.2	<0.01
056241		35.9	1530	6.9	15.7	0.001	0.36	0.70	11.1	1.0	0.2	159.0	0.01	0.01	2.3	<0.01
056242		34.1	1380	9.7	15.8	0.001	0.21	0.41	10.9	1.0	0.2	224	0.01	0.01	3.0	<0.01
056243		21.0	660	24.9	12.3	0.001	0.12	0.63	6.2	0.8	0.5	131.0	0.01	0.01	6.6	<0.01
056244		39.5	900	8.9	12.2	0.001	0.05	0.98	9.8	0.8	0.4	185.0	0.01	0.02	4.1	<0.01

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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
056235		49.9	1960	3.8	13.1	0.001	0.18	0.62	8.0	0.6	0.2	352	0.01	0.02	2.3	<0.01
056236		47.5	2060	5.7	15.1	0.001	0.29	1.14	10.2	0.9	0.3	292	0.01	0.02	4.2	<0.01
056237		20.0	740	7.4	15.8	0.001	0.11	0.34	5.5	0.9	0.6	138.0	0.01	0.01	10.5	<0.01
056238		56.5	2470	6.9	17.5	0.001	0.34	1.91	13.1	1.1	0.4	211	0.01	0.02	3.5	<0.01
056239		35.6	1770	7.8	15.8	0.001	0.16	0.37	11.5	1.2	0.2	191.0	0.01	0.01	2.0	<0.01
056240		35.3	1910	5.8	17.5	0.001	0.22	0.34	12.9	1.0	0.2	166.0	0.01	0.01	2.2	<0.01
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056243		21.0	660	24.9	12.3	0.001	0.12	0.63	6.2	0.8	0.5	131.0	0.01	0.01	6.6	<0.01
056244		39.5	900	8.9	12.2	0.001	0.05	0.98	9.8	0.8	0.4	185.0	0.01	0.02	4.1	<0.01

PLATES

D.D.H. CGGC - 5 PHOTOS

CGGC-5 at 220ft. HYDROTHERMAL BRECCIA-HEMATITE- PYRITE X1.5

CGGC-5-193.5 to 196 ft./ BANDED HEMATITE QTZ. to WHITE QTZ. (FRAGMENTS)? X 3.6

DRILL HOLE CGGC-5: 169 to 246.5 FT.

APPENDIX 5

SUMMARY OF FIELD EXPENDITURES

2002 DIAMOND DRILLING

PROGRAM

CANYON CLAIMS

Summary of Expenditures/Work Performed

Diamond Drilling and related costs

▪ Drill rental (rated at 10% of value of equipment/month)	
$45,000.00 x 3.5 months= $15,750.00 x75%	$11,812.50
▪ Drilling fluids	$ 1,635.00
▪ Core boxes	$ 900.00
▪ Diamond products	$ 3,008.40
▪ Drill supplies other than diamond products	$ 2,505.77
▪ Fuel	$ 2,407.65
▪ Truck rental (3 ½ months at $1,450.00/month x 25%	$ 1,268.75
▪ Truck costs: Whitehorse – return & work (3200 km x.42)	$ 1,344.00
▪ Assays	$ 3,861.78
▪ Living expenses: $35.00 x 220 man days	$ 7,700.00
▪ Salaries: (Luke) 47 days x $150.00	$ 7,050.00
(Shane) 68 days x $150.00	$ 10,200.00
▪ Report and drafting	$ 500.00
GRAND TOTAL FOR SUMMER 2002	**$54,193.85**

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
347'	379'	RHOLITIC PYROCLASTIC - Lapilli Pumice Ash Tuff			
		Previous hydrothermal breccia is one ID contacts the present Tuff unit at 65° C.A.			
		The tuff is somewhat clay altered from 347'-350' - TD end of hole it is essentially not altered.			
		379' - END OF HOLE.			

Logged by A. Curlew Hole Number EGGC-5 Sheet Number 14

GRID ANOMALY E HOLE NO. CGGC-6 COORDINATES L 11+100E / 9+730N

BEARING 45° Hz. ANGLE -55° DEPTH 200 ft.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
0'	22'	OVBN			
22'	75'	HYDROTHERMAL BRECCIA (HETEROLITHOLOGIC)			
		Irregular crosscutting bodies and small veins and veinlets of a dark matrix breccia material, with occasional fragments of a carbonaceous unit and Quartzite, penetrate large blocks of intensely flow-banded and very Siliceous QP. The hydrofractured QP is then intersected as fragments of various sizes, varying in colour from a light green to a pink-peach hue. The entire section is calcareous thru-out with intermittent clay rich alteration.			
		26' - Clay rich fracture at 50° C.A. Also a short section of hydrothermal breccia type IC - similiar identified in hole #5 - a fine grained matrix supported, monolithologic breccia of fragmented QP (22'-27')	053640	<5	0.07
		27' - several veinlets of amethyst			
		27½' - Clay fracture at 55° C.A.			
		29' - Carbonaceous fragments in H.B. with 10% pyrite.			
		31½'-33' - Intense milky-white Qtz. replacement of a QP block - flow banding is obliterated - a 2nd. Qtz. infusion is of a gray hue - On splitting - noted malachite stain + a fine gray sulphide thru-out.			
		(27'-33')	053641	9	0.07

Logged by A. Carlo Hole Number CGGC-6 Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au ppb	ASSAY Ag ppm
		Note: Distinct clay alteration exists for 6" just prior to 31½' - and for 6" beyond 33'.			
		36' - Strong clay fracture - 60° CA			
		(33'-38')	053642	<5	
		36½'-39' - Very brecciated - clay matrix - essentially QP fragment hydrothermal Bx.			
		(38'-43')	053643	<5	
		40½' - Persistent white qtz. veinlet - 45° CA			
		44' - Very fine jig-saw puzzle texture - fragments are all QP.			
		46'-47' - Granular (crushed) H.B. - supported by a clay matrix.			
		48' - Thin pyrite veinlets - vanishing to core axis (43'-48')	053644	<5	
		59'-60' - Granular material in a clay matrix (48'-53')	053645	<5	
		69' - Vertical pyrite seams at 45° CA			
		70' - Small 6cm. fragments in H.B. of earlier breccia type II - identified initially in hole #5 - named (Recrystallized lapilli hyd. breccia)			
		(53'-58')	053646	<5	
		72'-73½' - Very distinct - (58'-63')	053647	<5	
		Siliceous - extra dark (black) (63'-69')	053648	<5	0.09
		matrix H.B. (69'-75')	053649	<5	0.07
		72½' - 1 cm. wide milky-white qtz. vein at 30° CA.			
		Note: From 63½ to 72½ - pyrite volume increases - generally along fractures.			
		74'-75' - Crush Zone (fault) - intense clay alteration			
		75' - Contact			

Logged by A Curly Hole Number CGSC-6 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
75'	90'	SANDY TUFF			
		A Coherent texture - dark gray in Colour. At 1st. glance it looks like a fine grained Qtz. Diorite. Very porous with dark carbonaceous particles			
		Upper Contact - 10° CA (75' - 80')	US3650	<5	0.06
		lower Contact - 15° CA			
90'	136.5'	HYDROTHERMAL BRECCIA (HETEROLITHOLOGIC)			
		As from 22' - 75'. The section is calcareous throughout - no significant pyrite.			
		90' - a 6 cm. section of breccia type 1B; Complete silicification of a fractured QP - obliterating the individual fragments, but leaving a stronge pattern ± of a gray micaceous mineral.			
		91' - a 6" section of QP in H.B. where the Qtz. phenocrysts are remaining.			
		94½ - 98' - block of QP with a pinkish hue - very distinctly flow-banded White to brown-gray - very siliceous. (90' - 95')	US3651	<5	
		at 96' - a 1cm. carbonaceous fragment within flow banded QP.			
		(95' - 100')	US3652	<5	
		99' - Discontinuous veins and patches of Creamy White Qtz.			
		(100' - 105')	US3653	<5	
		99' - 136.5':			
		QP blocks and breccia fragments within the H. breccia are intensely			

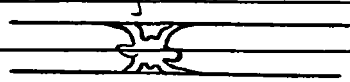
Logged by A. Curtis Hole Number CGGC-6 Sheet Number 3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		and distinctly flow-banded. Quartz color varies from brown-gray to a creamy white. At times this flowing banding is obliterated by complete silicification. Other Times it is disrupted by patchy silicification ± veining - creating unique local textures.		NAb	PPM
		(105'-110')	US3654	<5	
		116'-125' - Very Mushy (110-115')	US3655	<5	
		section of core - Clay rich. (115-120')	US3656	<5	
		131½' - Contact a one foot (120-125')	US3657	<5	
		section of intense silicification of QP and dark matrix hydrothermal vein breccia, destroying all previous texture and leaving a diffuse section of a dark-cloudy quartz.			
		(125'-130')	US3658	<5	
		(130'-136.5')	US3659	<5	
136½'	145'	HYDROTHERMAL BRECCIA (MONOLITHOLOGIC)			
		Identified in hole #5 and called type IC. Presently an intensely fluid brecciated QP Section (an early brecciation event) - resulting in a very fine grained - matrix supported, monolithiological hydrothermal breccia. MATRIX consists of very fine grained creamy-white Quartz. (136½'-141')	US3660	11	<0.01
		A Replacement Qtz. infusion restricted in a patchy and wispy gray pattern throughout. This section is very dense and was noted initially in the Drill head pressure necessary to cut.			
		(141'-145')	US3661	<5	<0.01

Logged by A. Curley Hole Number CGGC-6 Sheet Number 4

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
145'	200'	HYDROTHERMAL BRECCIA (HETEROLITHOLOGIC)		ppb	ppm
		Irregular anastomosing bodies together with small veins-veinlets of a gray matrix - locally hematite rich - material with occasional carbonaceous clasts, penetrate and brecciate sections of both previously brecciated and silicified QP, and towards the end - larger sections of flow-banded QP. This section is calcareous throughout, especially from 147'-165'. There are intermittent clay rich sections of a more porous (crushed) material.			
		145'-148' - Unique hydrothermal breccia in that fragments are predominantly of quartz of a white-gray-black color, rounded or partly so in a very siliceous gray to black matrix. Spotty pyrite to 2%. At 148' a 2cm. semi-rounded gray qtz. clast is replaced by amethyst for some distance inward from the surface edge.			
		(145-148')	053662	<5	0.04
		148'-178': A distinct section of white quartz / qtz. carbonate veining - much of a discontinuous nature, tho through-going veinlets cross both breccia matrix and clasts - the latter being predominantly of previously brecciated QP (1B and 1C types noted previously in hole #5).			

Logged by A. Curly Hole Number CGCC-6 Sheet Number 5

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au ppb	ASSAY Ag ppm
		The only clasts noted that allow the final hydrothermal breccia pulse to be called heterolithic are of carbonaceous material.			
		Pyrite is scattered about - but not in a significant amount - often forming individual clasts			
		149'-151' - A section of breccia type 1B - (complete silicification of previously hydro-fractured QP - leaving a "jig" pattern). This is regarded as a larger clast within the most recent breccia event. The section has a light rusty-cinnamon hue. (148'-153')	053663	<5	0.05
		152' - A distinct violet Qtz. phenocryst in H.B.			
		154' - Nice picture - puzzle texture.			
		154½' - White Qtz. veinlets at 15° and 25° CA merge from opposite directions - creating a bulbous Qtz. intersection. 			
		(153'-158')	053664	>5	0.07
		165' - Strong clay-crush fracture 15°CA			
		(158'-163')	053665	>5	0.07
		165'-173½' - A crushed-clay altered section - difficult to determine make-up, but still a hydrothermally brecciated material. (163'-168')	053666	>5	0.07
		174'-177' - A section of monolithologic hydrothermal breccia - a very (168'-174')	053667	>5	0.09
		hematite rich - fine grained matrix penetrates a section of previously brecciated and silicified QP (174'-177')	053668	7	0.08

Logged by A. Curley Hole Number CGC-6 Sheet Number 6

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				Au	Ag
				ppb	ppm
		A dominant picture - purple hydrothermal texture occurs thru section 171' - 177'.			
		178½' - 200': (177 - 182')	US7669	< 5	0.08
		Dense intense dark breccia matrix hydrothermal brecciation of flow-banded QP. which color is generally of a peach-pink hue - at times with minor sections of a greenish (devitrified) color.			
		189' - Amethyst veinlet.			
		192' - 200' - larger fragments within breccia matrix of a previously brecciated and silicified QP - displaying irregular to circular textures replaced by amethyst.			
		The section 178½' - 200' has a dominant fracture pattern of 35° - 45° CA - most often with clay minerals.			
		200' - end.			

Logged by A. Conley Hole Number CCCC-6 Sheet Number 7

GRID Anomaly E HOLE NO. CGGC-7 COORDINATES L11+200E / 9+75ON

BEARING 45° Az. ANGLE -50° DEPTH 296'

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
0	25'	OVBN			
25'	141'	RHYOLITE - QUARTZ FELDSPAR PORPHYRY - QFP			
		Grey qtz. eyes and feldspar phenocrysts in a greenish to grey groundmass. Feldspars are clay altered from 25' - 121'.			
		25'-44' - Consistently calcareous			
		44'-141' - Only occasionally calcareous - There is no superficial oxide zone.			
		26' - Pyrite // to fracture 50° CA			
		36' - Fracture with green clay - 50° CA			
		37½' - Qz 4" clay altered crush zone at 55° CA - Disseminated fine pyrite to 38½' (37½' - 39½')	053670	11	0.08
		53½' - pyrite seam at 45° CA			
		64' - Amethyst veinlet			
		66' + 67' - Amethyst veinlet + Qtz. phenocryst replacement			
		67-68' - Qz marked increase in a grey Qtz. groundmass.			
		68' - Qz 1" crush-clay zone at 60° CA			
		71' - Pyrite seam at 45° CA			
		72' - Amethyst			
		73'-74' - Strong pyrite in fracture parallel to CA. (66'-74')	053671	9	—
		75'-76' - Amethyst veinlets - also localized at 77' + 86' + 87' + 93'.			
		130'-141':			
		Very fine grained greenish-blue/grey supported monolithologic (QP) H.T. - Noted in hole #5 as type 1C. It has			

Logged by A. Cruz Hole Number CGGC-7 Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		C. Crushed appearance.		ppb	ppm
		(135½-141'	053672	<5	—
		141'- Fault Contact			
141'	296'	FAULT BRECCIA SECTION OF PREVIOUSLY HYDROTHERMALLY BRECCIATED MATERIAL (HETEROLITHILOGIC)			
		A great proportion of this section consists of variably crushed hydrothermal breccia consisting of, where observable, of generally less than 1cm. dia Clasts of Clay altered QP. Other Clasts noted are of blue-grey or white and amethyst Quartz. Matrix to the above is of a dark grey (black) to light grey color-peppered with <1mm. in diameter carbonaceous fragments.			
		Many instances of an increase in Carbonaceous substance occurs - at times in Vugs - where it has been tentatively deemed to be PYROBITUMEN- the solid hydrocarbon characteristic of Carlin-type gold deposits.			
		The more intact sections invariably host scattered Qtz. Carb. Veinlets. There are zones DU crushed and fluidized that one might refer to them as Sandstone.			
		Alteration:			
		Calcareous thru. secting - except where totally crushed and fluidized. Clay is ubiquitous as a matrix in coarsely crushed zones. There are			

Logged by A. Cruz Hole Number CGGC-7 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au ppb	ASSAY Ag ppm
		however a no. of sections where the more finely ground material is indurated by Qtz. Sulphides are generally not discerned. A no. of localized occurrences coincide with hydrofractured zones			
		141'-151' - A dark matrix micro-breccia with Qtz. vein stockwork.			
		(141'-146')	056243	<5	0.10
		155' - Qtz. Carb. veinlet 60°CA (146-151')	056244	<5	0.12
		159' - Qtz. vein along fracture 55°CA			
		163' - " " " " "			
		183' - An 8" section of completely (158'-163')	059673	<5	0.10
		intact H.B. with a ½" rounded clast of material as in 173½-245' in hole #5. (Hematite + pyrite etc).			
		(182½-189')	059674	<5	0.14
		193'-215': SANDSTONE (fluidized fault breccia)			
		193' - Very apparent carbonaceous material - PYROBITUMEN? This notable carbonaceous presence is noted thru the section as patches and wisps along fluidizing flow foliations. It is non-calcareous - much sericite			
		215'-224' - HYDROTHERMAL BRECCIA - Clay altered and slightly crushed			
		This section carries angular pyrobitumen clasts to several inches in diameter. Calcareous - prominent fractures at 55°-60° C.A.			

Logged by A. C[illegible] Hole Number CGGC-7 Sheet Number 3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				PPb	PPm
		217'-220' - Pyrite increases at 217' as patches in gray matrix Hydrothermal Breccia - also in Clay altered, previously brecciated QP Clasts. These Clasts have a prominent bleached reaction rim, with very fine blue-gray sulphides visible further within.			
		Interesting to note is that black matrix breccia clasts occur within the later gray matrix breccia, which is pyrite rich.			
		Discontinuous milky-white Qtz. veining begins at 217'. (215'-220'	053675	<5	0.09
		220' - occasional Qtz. filled vugs with pyrite. Unique blue Qtz. fragment ≈ 3mm. Also at 220' - a short vein breccia - hydrofracture texture noted.			
		220'-224' - Core is more crushed - although a still evident gray-matrix Hydrothermal Breccia remains. There are occasional discontinuous Qtz. veinlets that cross both matrix and Clasts. Reaction rims plus fine blue-gray sulphides still observed in bx. Clasts. (220'-224'	053676	<5	0.12
		224'-233' - SANDSTONE (fluidized fault breccia)			
		As 193'-215'			

Logged by A. Curlew Hole Number CGGC-7 Sheet Number 4

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		233'-241'- HYDROTHERMAL BRECCIA		ppb	ppm
		Clay altered and slightly crushed			
		Texture is still discernable.			
		237'- Core is more competent - Siliceous - & large (4") previously brecciated QP clast with a blue-grey hue. Sits in a black matrix. The clast has a very irregular, feathered edge.			
		238'- Pyrite patches in black matrix of the breccia and disseminated in altered QP clasts (233'-237')	053672	>5	0.12
		238½'-241'- A block of previously brecciated QP in strongly hydrofractured by anastomosing thin veins and veinlets of pyrite rich - black matrix material. Thin fractures within this same block are filled with pyrite (237'-241')	053678	>5	0.0
		241'-243½': Strongly Clay Altered and Crushed Hydrothermal Breccia			
		245': Coarse pyrite in black matrix breccia near white Qtz. vein at 30° CA. (241-247')	053679	<5	0.0
		245'-291' Essentially a gray matrix Hydrothermal Breccia - variably crushed and clay altered - with short intervals of Sandstone like material. Interesting in that this section of gray matrix Hydrothermal Breccia has within it Clasts of the dark matrix H.B.o			

Logged by A Curlo Hole Number CGGC-7 Sheet Number 5

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au ppb	ASSAY Ag ppm
		Noted above. Previously brecciated QP Clasts with hematite rim and blue-gray center (247-252'	053680	>5	—
		246' - Good pyrite in a fractured QP Clast. (252-257'	053681	<5	—
		279' - Ca 1" Clast within a gray fine matrix hyd. breccia of the pyrite-hematite section intained in hole #5.			
		261' - 296' - SANDSTONE (fluidized fault breccia)			
		Fs 103' - 215'			
		296' - end of hole.			

Logged by A Gerling Hole Number CGGC-7 Sheet Number 6

GRID Anomaly E HOLE NO. CGGC-8 COORDINATES 111+300E / 9+693N

BEARING 45° Az. ANGLE -85° DEPTH 115 ft.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				PPb	PPm
0'	3'	OVBN			
3	15'	RHYOLITE (QUARTZ FELDSPAR PORPHYRY)			
		Gray Qtz. eyes and feldspar phenocrysts set in a greenish to gray groundmass. Feldspars are clay altered thru-out. Section is non-calcareous. Surficial oxidation to 30'.			
		3'-8' - Silicified - strongly brecciated QFP - texture is essentially destroyed but few Qtz phenocrysts			
		2½'-4' - Silicification + veining - Fluorite thru-out.			
		8'-13' - (3'-8')	056246	17	0.04
		As above - much vuggy texture with green crystalline Fluorite + Quartz. (8'-13')	056247	56	0.10
		13'-18' -			
		As for 3'-8' generally 16'-17' intense brecciation (crush) resulting in clay supported fragments. Fluorite at 16' and 17' as veinlets and replacements within brecciated material (13'-18')	056248	30	0.10
		18'-23' -			
		As for 3'-8' - at 20' CA @ 45° @ 21½' CA @ 45°. at 22½' CA @ 45° with manganese stain (18'-23')	056249	5	0.06
		23'-28' - Silicified - of a granular nature thin qtz veins trend subparallel oxidized fracture zones. Oxidation is prevalent up to 2" away from fractures			

Logged by A. Curtis Hole Number CGGC-8 Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		Cut 23½' CA @ 90° - a+ 24' CA @ 55° -		ppb	ppm
		25½' CA 35° and 27½' CA @ 35°.			
		(23'-28')	US3601	<5	0.04
		28'-33'- An above - more intense brecciation at 32' - a clay matrix. Mn staining along all fractures. At 30' - fracture CA @ 45°			
		(28'-33')	US3602	<5	0.04
		33'-38' Core recovery at 83%. - Fluorite occurs as patchy green replacements Intense oxidation at 37'-35'- CA @ 50°			
		(33'-38')	US3603	<5	0.07
		73'-81': Sericite alteration more intense. At 78'- a 1cm. thick pyrite filled fracture. This is a sheeted plane with one face consisting of highly sheared pyrite (smooth face) - with slickensides along the face at 20° to CA. The sheeted plane also occurs at 20° CA - Irregular pyrite occurs for some distance on either side of this fracture.			
		(77'-79')	US3604	109	0.18
		End of Hole @ 115'.			

Logged by A Cruz Hole Number CGGC-8 Sheet Number 2

GRID Anomaly E HOLE NO. CGGC-9 COORDINATES Line 11+25SE / 9670N

BEARING 60° Az. ANGLE -53° DEPTH 253 ft.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY As
0'	14'	OVBN		ppb	ppm
14'	253'	RHYOLITE (QUARTZ FELDSPAR PORPHYRY) QFP			
		Grey Quartz eyes and feldspar phenocrysts are set in a grey to very light green groundmass.			
		The entire section is Calcareous - but not in a general sense. The upper portion appears to be more Calcareous at or near Oxidized fractures.			
		Further down and to the end of the hole. occasional individual feldspar phenocrysts and simple fractures are calcareous.			
		Feldspars are clay altered throughout. A green clay mineral is dominant in many fractures, and locally is prominent in the groundmass			
		Surficial oxidation continues to 60' - becoming less intense at 42'. Manganese stain prominent along fractures in the zone of oxidation.			
		Fracture patterns:			
		23' - 30° + 45° CA			
		45' - 30° to CA (32½'-37½')	153683	>5	0.04
		46' - 30° " "			
		60' - 30° " "			
		76' - 30° " " + pyrite			
		116' - 35° " "			
		122' - 30° " " + pyrite			
		158' - 35° " "			

Logged by A. Curlew Hole Number CGGC-9 Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		210'-212' - Irregular green Fluorite veining		ppb	ppm
		212' - pyrite fracture @ 340° CA			
		216' - Green Fluorite, fracture continued at 15° and 340° CA			
		217½' - Pyrite fracture @ 15° CA			
		218'-221½' - FAULT			
		Micro-breccia-intense crushing. Gravel size fragments in a white clay matrix. Clay suction made it difficult to remove this section of core from the tube.			
		At 220' is centered approx. 1 foot of thin vein banded Clear Quartz and Amethyst.			
		(218½'-221½')	US1604	14	0.08
		End of Hole - 253'.			

Logged by A Carlson Hole Number CGSC-9 Sheet Number 2

GRID Anomaly E HOLE NO. CGGC-10 COORDINATES Line 11+192E / 9711N

BEARING 60° Az ANGLE -60° DEPTH 123 ft.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
				ppb	ppm
0'	26'	OVBN			
26'	123'	RHYOLITE (QUARTZ FELDSPAR PORPHYRY) QFP			
		Grey Qtz. eyes and feldspar phenocrysts are set in a grey-green groundmass - varying to a dominantly light greenish hue where brecciation, fluid flow and resultant silicification is most intense (44'-103'). The noted brecciation, fragment movement and fluid flow varies from intense to less intense. In the latter case, porphyritic texture is generally intact - indicating brittle fracture, but restricted fragment displacement. The grey groundmass is replaced to varying degrees, leaving a grey-green matrix. In the former case, a green matrix monolithologic Hydrothermal Breccia is at times noted, together with some portions displaying fluid flow foliations. The porphyritic texture is destroyed.			
		Alteration: The less intensely silicified sections are generally of a more granular nature - suggesting a higher clay content - 26'-44' and 103'-123'. 26'-63' - very Calcareous. 63'-108' - Calcareous in a sporadic fashion - also not that intense - 108'-123' - very Calcareous.			

Logged by A. Corley Hole Number CGGC-10 Sheet Number ONE

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au ppb	ASSAY Ag ppm
		The dominant greenish hue noted from 44'-90' is most likely reflecting the increased presence of pervicite.			
		26'-42':			
		A grayish-green aspect to core - micro-brecciated clay matrix with very intact feldspars altered to clay. Occasional dark brecciated veins traverse the core.			
		Close examination shows pin point of reflected light - indicating fine sulphides or, more likely, finely divided carbonaceous material.			
		There is no surface oxide zone.			
		Pyrite is present as widely dispersed blebs or along thin fractures. A tan colored clay material occurs in thin veins and patches from 31'-42' (26'-31')	US3605	52	0.07
		(31'-36')	US3606	15	0.05
		(36'-42')	US3607	50	0.07
		42'-47'			
		At 42' - White clay zone - micro-brecciated.			
		43'-44' - Begins as clay rich to more competent (Silicified) section of dark patches (sulphides?).			
		44'-47' - Strongly silicified - fine grained greenish core with wispy dark gray sections. Close examination indicates that the greenish, fine grained silicified breccia is the last phase of brecciation, for it envelopes the more gray colored material noted earlier.			
		(42'-47')	US3608	5	0.06

Logged by A. Cowles Hole Number CGGC-10 Sheet Number 2

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY	
				Au	Ag
		@ + 45'4" - Occurs a 5" section that		ppb	ppm
		appears to be a grey matrix			
		vein breccia breaking up and			
		penetrating a thinly banded			
		white to grey quartz.			
		47'-57'			
		Greenish, fine grained			
		Silicified micro-breccia envelops			
		grey material occuring as wisps plus			
		patches - itself intensely brecciated.			
		(47-52'	053608	<5	0.04
		51'- Small patches and seams of			
		fine-coarse mineral occurring only			
		within the grey brecciated portion.			
		52'-54'- More grey color - at 53'			
		occurs a notable preserved breccia			
		fragment @ 45° CA: A light grey			
		to dark grey fine Qtz. banding with			
		occasional breccia fragments. All to			
		trending in the same direction are			
		seams of intensely silicified			
		Greenish micro-breccia.			
		Note: Intense silicification is denoted			
		by a dense, non-porous or granular			
		texture of core. A 2nd. determination			
		was in the hard pressure			
		necessary to drill.			
		56'- fine pyrite with darker qtz.			
		patches. (52'-57	053610	<5	0.05
		57'-103:			
		Greenish, fine grained silicified			
		micro-breccia envelops less well			
		brecciated patches with a grey matrix.			
		"Porphyritic" texture is intact in			

Logged by A. Corlos Hole Number CGGC-W Sheet Number 3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY Au	ASSAY Ag
		Places - but silicification is intense.		PPb	PPm
		57'-62'	053611	<5	0.03
		70'- Pyrite rims & rounded. Finely brecciated Gray QP (1") - within a greenish breccia matrix.			
		70½'- as at 70'- no pyrite rim. 62'-67'	053684	<5	
		86'- Nice example of gray matrix breccia being broken up by later green matrix finer breccia material - & subtle jig-saw type pattern has developed. 67'-72'	053685	<5	
		88'- Amethyst replacements of Quartz phenocrysts. 72'-77'	053686	<5	
		90'- Brecciation is more intense 77'-82'	053687	<5	
		broken fragments of Quartz phenocrysts are replaced by Amethyst. Also - veinlets of Amethyst have been disrupted.			
		98'-99'- Pyrite fracture parallels 82'-87'	053688	<5	
		core. 87-92'	053689	<5	
		102½'-103'- White Clay fracture @ 45° CA.			
		92'-97'	053690	<5	
		103'-123': 97'-102'	053691	<5	0.02
		Less siliceous core - with a more granular surface texture - suggesting a higher Clay content. Porphyritic texture is consistently intact from 107'-123'.			
		107'- Pyrite along variably 102'-107'	053692	<5	
		oriented fractures.			
		110'- Clay fracture @ 30° CA.			
		114½'- Pyritic fracture @ 15° CA			
		115' - " " " 45° CA			
		123' - " " " 60° CA			
		123'- End of Hole.			

Logged by A. Curtis Hole Number CGGC-10 Sheet Number 4

APPENDIX 4

ANALYTICAL RESULTS

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EXCELLENCE IN ANALYTICAL CHEMISTRY

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212 Brooksbank Avenue
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To: CARLOS, ALLEN
275 ALSEK RD.
WHITEHORSE YT Y1A 4T1

Date : 12-Dec-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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 0.2	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
053612		1.28	<0.005													
053613		1.34	<0.005													
053614		1.46	<0.005													
053615		0.92	<0.005													
053616		2.08	<0.005													
053617		1.60	0.037													
053618		1.82	<0.005													
053619		1.88	<0.005													
053620		1.94	<0.005													
053621		2.26	<0.005													
053622		1.82	<0.005													
053623		1.86	0.006													
053624		1.64	<0.005													
053625		2.28	0.009	0.13	0.37	15.6	<10	87.6	2.71	0.26	2.32	0.21	64.7	12.8	49	2.44
053626		2.04	<0.005	0.10	0.49	5.1	<10	123.5	2.58	0.05	4.68	0.11	44.3	22.4	55	2.72
053627		1.78	<0.005	0.08	0.35	2.6	<10	83.3	1.72	0.15	3.88	0.16	89.6	10.3	52	1.26
053628		1.98	0.013	0.15	0.50	19.6	<10	104.5	2.47	0.06	4.30	0.11	58.6	21.4	41	2.04
053629		2.10	0.037	0.21	1.32	47.9	<10	126.0	2.72	0.02	5.06	0.08	52.8	24.8	32	4.25
053630		2.06	0.017	0.08	0.53	31.2	<10	112.0	2.62	0.01	4.63	0.07	52.5	27.2	25	3.37
053631		2.24	0.092	0.29	0.50	133.0	<10	108.0	2.61	0.01	4.50	0.07	47.4	26.5	28	3.10
053632		1.96	0.065	0.25	0.58	97.2	<10	124.5	2.75	0.01	3.47	0.08	53.5	24.0	26	3.53
053633		1.98	0.009	0.11	0.44	21.9	<10	125.0	3.00	0.09	3.82	0.13	47.7	17.9	50	2.58
053634		1.90	0.008	0.13	0.47	7.4	<10	117.0	2.74	0.06	2.68	0.13	43.6	17.3	41	2.45
053635		1.80	0.006	0.11	0.41	9.0	<10	110.0	2.68	0.07	3.20	0.25	43.9	16.3	51	2.70
053636		1.66	0.034	0.16	0.48	56.3	<10	125.5	2.57	0.07	2.58	0.21	33.7	17.5	40	2.82
053637		1.88	0.012	0.08	0.45	11.2	<10	119.5	2.26	0.03	4.24	0.11	45.9	19.7	55	1.99
053638		1.86	<0.005	0.06	0.49	3.2	<10	167.5	4.00	0.04	4.02	0.11	50.1	26.9	69	2.59
053639		2.14	<0.005	0.06	0.40	8.7	<10	126.5	2.37	0.13	3.35	0.18	76.9	14.0	45	2.02
053640		1.66	<0.005	0.07	0.34	6.7	<10	59.8	2.46	0.16	1.43	0.24	141.0	7.6	38	2.26
053641		2.08	0.009	0.07	0.28	10.6	<10	49.0	2.01	0.12	1.50	0.19	120.0	5.7	49	1.85
053642		1.76	<0.005													
053643		1.80	<0.005													
053644		1.52	<0.005													
053645		1.86	<0.005													
053646		1.86	<0.005													
053647		1.28	<0.005													
053648		2.22	<0.005	0.09	0.32	7.8	<10	48.6	2.31	0.22	1.08	0.20	149.5	7.8	38	2.20
053649		1.30	<0.005	0.07	0.40	8.8	<10	66.4	4.19	0.15	1.32	0.13	81.5	13.5	40	4.75
053650		1.78	<0.005	0.06	0.30	9.8	<10	60.6	2.18	0.14	0.71	0.24	19.20	10.1	44	1.65
053651		1.98	<0.005													

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

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CERTIFICATE OF ANALYSIS VA02006301

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 0.2	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
053652		1.88	<0.005													
053653		1.62	<0.005													
053654		1.42	<0.005													
053655		1.56	<0.005													
053656		1.66	<0.005													
053657		0.76	<0.005													
053658		1.54	<0.005													
053659		2.44	<0.005													
053660		1.74	0.011	<0.01	0.41	7.1	<10	70.1	0.54	0.04	1.02	0.03	110.0	0.8	61	1.20
053661		1.14	<0.005	<0.01	0.26	3.2	<10	56.7	0.68	0.06	0.84	0.06	115.5	1.2	80	1.23
053662		0.70	<0.005	0.04	0.26	2.5	<10	65.6	1.76	0.13	1.03	0.08	43.2	7.3	77	2.27
053663		2.10	<0.005	0.05	0.40	5.6	<10	77.3	3.43	0.16	3.81	0.10	76.5	21.4	55	2.29
053664		1.76	<0.005	0.07	0.38	4.9	<10	73.1	2.75	0.14	4.28	0.12	96.8	18.2	54	2.08
053665		1.88	<0.005	0.07	0.46	13.3	<10	75.8	3.51	0.12	4.38	0.10	66.7	25.7	46	2.91
053666		2.04	<0.005	0.07	0.37	8.6	<10	71.2	3.65	0.15	3.61	0.15	89.6	15.2	39	4.01
053667		2.32	<0.005	0.09	0.34	6.7	<10	64.4	3.28	0.19	2.47	0.19	123.0	9.4	32	3.06
053668		0.92	0.007	0.08	0.49	16.5	<10	90.7	3.79	0.10	2.39	0.11	54.2	24.2	52	4.86
053669		1.84	<0.005	0.08	0.36	8.2	<10	66.7	2.65	0.17	2.82	0.55	113.5	15.2	48	2.45
053670		0.84	0.011	0.08	0.22	7.2	<10	19.5	1.70	0.34	0.23	0.19	165.5	1.0	62	2.75
053671		2.56	0.009													
053672		2.26	<0.005													
053673		2.20	<0.005	0.10	0.59	12.9	<10	184.5	1.30	0.09	2.24	0.34	28.0	24.9	32	3.34
053674		2.00	<0.005	0.14	0.44	14.3	<10	175.5	1.00	0.16	1.13	0.43	19.15	16.7	32	3.39
053675		1.84	<0.005	0.09	0.52	10.8	<10	162.0	1.24	0.12	3.14	0.29	18.05	18.4	34	2.38
053676		1.46	<0.005	0.12	0.52	8.4	<10	178.0	1.25	0.13	1.62	0.39	22.1	20.3	35	2.59
053677		1.26	<0.005	0.12	0.61	8.3	<10	123.5	1.20	0.14	1.30	0.33	15.40	22.1	60	3.27
053678		1.68	<0.005	0.08	0.64	10.4	<10	144.0	1.45	0.23	4.19	0.36	42.3	31.2	59	1.79
053679		1.56	<0.005	0.09	0.63	7.4	<10	133.5	1.22	0.10	3.28	0.27	21.3	21.0	51	1.82
053680		2.14	<0.005													
053681		1.70	<0.005													
053682		0.68	0.109	0.18	0.25	114.5	<10	21.3	2.10	0.05	0.10	0.18	161.0	1.2	99	2.79
053683		1.60	<0.005	0.04	0.47	3.0	<10	46.9	2.01	0.15	0.36	0.20	169.0	1.2	116	3.03
053684		1.58	<0.005													
053685		2.02	<0.005													
053686		2.04	<0.005													
053687		1.64	<0.005													
053688		1.72	<0.005													
053689		1.84	<0.005													
053690		1.90	<0.005													
053691		1.26	<0.005	0.02	0.33	1.1	<10	140.0	1.94	0.05	0.64	0.23	167.5	0.7	22	3.11

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Date 12-Dec-2002
Account TFI

Project Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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 0 2	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
053692		2 08	<0 005													
053693		0 76	0 013	0 01	0 05	3 4	<10	230	0 25	<0 01	5 26	0 03	1 35	72 3	391	1 39
053694		0 58	0 013	>100 0	0 01	942	<10	67 9	<0 05	0 88	1 54	25 3	1 26	0 7	135	0 07
053695		0 80	<0 005	0 72	2 03	<2 0	<10	270	0 77	0 13	10 20	0 19	23 5	7 8	36	1 06
053696		0 32	<0 005	0 82	0 05	6 1	<10	270	0 05	0 01	0 39	0 17	2 41	0 8	158	<0 05

Comments Interference Ca>10% on ICP-MS As,ICP-AES results shown

ALS Chemex
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275 ALSEK RD
WHITEHORSE YT Y1A 4T1

Date 12-Dec-2002
Account TFI

Project Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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
053612																
053613																
053614																
053615																
053616																
053617																
053618																
053619																
053620																
053621																
053622																
053623																
053624																
053625		16 0	3 71	1 40	0 09	0 38	0 08	0 058	0 21	31 6	6 1	0 78	699	3 73	0 11	0 18
053626		24 8	4 79	1 49	0 09	0 10	0 03	0 041	0 25	21 2	7 8	1 77	1110	1 31	0 15	0 08
053627		7 0	3 21	1 16	0 08	0 22	0 05	0 045	0 18	44 6	5 5	1 51	708	2 62	0 10	0 10
053628		20 0	5 33	1 69	0 11	0 12	0 10	0 046	0 27	28 0	8 7	1 44	1070	1 02	0 12	0 09
053629		31 6	6 05	3 92	0 14	0 10	0 14	0 044	0 58	24 3	9 9	1 10	1220	0 34	0 14	0 12
053630		26 9	6 25	1 58	0 12	0 07	0 25	0 048	0 33	24 3	9 9	1 34	1250	0 19	0 14	0 09
053631		26 4	6 20	1 45	0 12	0 07	0 21	0 040	0 31	21 9	9 5	1 32	1165	0 24	0 13	0 10
053632		31 1	5 85	1 63	0 11	0 08	0 25	0 046	0 35	24 7	10 2	1 04	903	0 14	0 13	0 09
053633		18 7	4 45	1 46	0 09	0 12	0 08	0 057	0 23	23 1	9 1	1 44	952	1 20	0 14	0 06
053634		15 6	5 35	1 55	0 10	0 13	0 14	0 050	0 25	20 4	8 8	0 98	730	1 02	0 14	0 09
053635		21 9	4 50	1 39	0 09	0 11	0 07	0 045	0 22	20 4	8 3	1 34	876	0 74	0 13	0 07
053636		16 6	4 53	1 62	0 09	0 09	0 06	0 048	0 25	15 5	8 3	1 32	832	0 58	0 14	0 06
053637		14 0	5 26	1 71	0 10	0 11	0 10	0 058	0 22	21 8	8 7	1 40	1135	0 33	0 13	0 09
053638		19 8	5 54	1 46	0 12	0 08	0 03	0 054	0 23	23 0	13 0	1 90	1055	0 55	0 15	0 07
053639		8 3	3 68	1 53	0 08	0 18	0 02	0 060	0 20	37 6	7 3	1 29	761	1 84	0 12	0 08
053640		6 5	2 74	1 49	0 08	0 55	0 03	0 080	0 21	71 9	2 3	0 23	572	3 87	0 03	0 20
053641		7 4	2 34	1 22	0 07	0 58	0 03	0 074	0 19	58 9	2 2	0 29	540	3 87	0 04	0 21
053642																
053643																
053644																
053645																
053646																
053647																
053648		7 8	2 81	1 44	0 09	0 47	0 05	0 078	0 20	75 7	3 9	0 28	539	5 08	0 09	0 20
053649		5 4	3 73	1 71	0 08	0 38	0 02	0 055	0 23	42 9	5 8	0 61	660	4 43	0 11	0 13
053650		7 4	1 90	0 94	0 05	0 09	0 01	0 014	0 21	10 2	3 7	0 41	343	3 68	0 05	<0 05
053651																

Comments Interference Ca>10% on ICP-MS As ICP-AES results shown

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Phone: 604 984 0221 Fax: 604 984 0218

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

Date : 12-Dec-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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
053652																
053653																
053654																
053655																
053656																
053657																
053658																
053659																
053660		3.5	0.95	2.44	0.08	3.21	0.03	0.009	0.26	55.8	1.8	0.10	178	4.55	0.08	18.00
053661		2.4	1.01	1.66	0.07	2.38	0.02	0.013	0.18	59.4	1.9	0.12	181	4.33	0.06	7.39
053662		8.5	2.39	1.13	0.05	0.36	<0.01	0.019	0.16	24.6	3.5	0.38	347	2.28	0.07	0.64
053663		14.2	4.85	1.53	0.11	0.21	0.03	0.052	0.20	38.3	7.0	1.46	1100	2.31	0.12	0.21
053664		12.8	4.58	1.43	0.11	0.28	0.02	0.062	0.19	48.7	7.0	1.34	1045	2.93	0.12	0.15
053665		24.4	5.53	1.56	0.13	0.14	0.02	0.057	0.25	32.4	6.3	1.10	1315	1.18	0.12	0.14
053666		9.3	4.03	1.49	0.10	0.27	0.02	0.060	0.20	44.8	6.3	0.83	1010	2.25	0.13	0.14
053667		9.9	2.85	1.35	0.10	0.37	0.02	0.067	0.20	62.5	4.9	0.56	757	3.75	0.11	0.13
053668		17.8	5.00	1.94	0.12	0.13	0.04	0.049	0.27	27.1	6.1	0.68	1175	1.26	0.17	0.11
053669		12.9	3.88	1.58	0.11	0.39	0.05	0.066	0.19	58.2	4.8	0.57	905	2.82	0.11	0.17
053670		3.9	1.39	0.97	0.10	0.43	0.01	0.068	0.25	86.8	1.6	0.05	241	2.68	0.02	0.30
053671																
053672																
053673		28.2	4.86	1.72	0.11	0.11	0.12	0.058	0.21	13.2	12.9	1.86	989	1.88	0.28	0.08
053674		27.1	3.68	1.40	0.08	0.12	0.20	0.056	0.18	8.8	11.1	1.10	621	1.98	0.21	0.07
053675		22.6	3.34	1.90	0.07	0.12	0.30	0.056	0.19	8.8	7.8	1.68	656	2.37	0.22	0.08
053676		27.0	3.57	1.95	0.08	0.11	0.27	0.078	0.19	11.0	9.8	1.29	671	2.26	0.24	0.06
053677		58.3	3.65	2.17	0.09	0.11	0.27	0.058	0.24	7.4	9.0	1.22	627	2.95	0.24	0.07
053678		64.3	5.82	2.77	0.14	0.10	2.15	0.062	0.14	20.8	9.9	2.87	1080	2.73	0.23	0.26
053679		26.0	4.48	2.38	0.11	0.14	0.82	0.054	0.19	10.4	7.8	1.99	826	3.14	0.21	0.10
053680																
053681																
053682		5.2	1.67	1.20	0.10	0.46	0.12	0.061	0.25	78.7	1.5	0.03	241	5.15	0.01	0.28
053683		11.4	1.62	2.38	0.10	0.89	0.09	0.066	0.30	86.0	0.9	0.03	352	2.99	0.01	0.51
053684																
053685																
053686																
053687																
053688																
053689																
053690																
053691		5.5	1.30	1.77	0.10	0.85	0.01	0.064	0.27	86.1	1.4	0.03	359	2.38	0.02	0.51

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

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WHITEHORSE YT Y1A 4T1

Date : 12-Dec-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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
053692																
053693		9.3	2.80	0.41	0.10	<0.02	1.88	<0.005	0.02	0.7	2.5	12.75	639	0.30	0.01	0.07
053694		5050	0.25	0.60	0.47	0.02	1.81	0.014	0.01	1.1	0.2	0.10	34	4.37	<0.01	0.05
053695		31.9	1.82	6.11	0.17	0.08	0.02	0.029	0.54	15.0	16.2	4.27	367	2.30	0.01	0.19
053696		30.1	0.32	0.42	<0.05	0.04	0.04	<0.005	0.01	3.2	0.3	0.03	21	1.18	<0.01	0.06

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

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CERTIFICATE OF ANALYSIS VA02006301

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
053612																
053613																
053614																
053615																
053616																
053617																
053618																
053619																
053620																
053621																
053622																
053623																
053624																
053625		18.4	840	24.3	15.6	0.002	0.13	0.51	5.0	0.5	0.7	136.0	0.01	0.01	9.8	<0.01
053626		28.6	1360	7.3	14.0	0.001	0.02	0.39	8.0	<0.2	0.3	192.0	0.01	<0.01	1.6	<0.01
053627		13.4	790	15.9	10.7	0.002	0.03	0.33	4.3	0.2	0.5	196.5	0.01	<0.01	5.4	<0.01
053628		27.9	1770	7.0	17.6	0.001	0.43	1.02	6.8	0.4	0.3	165.5	0.01	<0.01	2.5	<0.01
053629		34.0	2370	5.2	41.1	0.001	0.80	1.90	8.2	0.3	0.3	168.0	0.01	<0.01	0.8	<0.01
053630		45.2	2400	4.2	24.3	0.001	0.75	1.88	8.2	0.3	0.2	186.0	0.01	<0.01	0.9	<0.01
053631		35.1	2360	6.3	22.5	0.002	1.54	2.80	7.6	0.4	0.2	169.0	0.01	<0.01	0.9	<0.01
053632		30.6	2390	5.0	25.4	0.002	1.43	1.98	7.3	0.3	0.3	139.5	0.01	<0.01	1.2	<0.01
053633		24.8	1470	9.0	16.2	0.002	0.46	0.47	6.9	0.3	0.4	171.5	0.01	<0.01	2.9	<0.01
053634		18.1	1960	9.6	17.2	0.002	0.66	0.59	6.0	0.3	0.3	100.0	0.01	<0.01	1.9	<0.01
053635		20.5	1450	8.1	16.6	0.002	0.41	0.40	7.1	0.3	0.3	131.5	0.01	0.01	1.6	<0.01
053636		19.8	1530	8.4	18.2	0.001	0.74	0.79	6.9	0.5	0.3	118.5	0.01	<0.01	1.5	<0.01
053637		16.5	2090	4.4	15.0	0.002	0.46	0.56	7.1	0.3	0.2	126.0	0.01	<0.01	1.2	<0.01
053638		34.1	1320	4.5	14.4	0.002	0.09	0.33	13.0	0.2	0.3	216	0.01	<0.01	1.6	<0.01
053639		18.8	970	14.6	13.8	0.002	0.03	0.16	5.2	0.4	0.5	158.5	0.01	<0.01	5.2	<0.01
053640		9.5	530	25.3	14.8	0.002	0.03	0.23	3.6	0.3	0.9	89.6	0.01	<0.01	11.0	<0.01
053641		9.7	360	26.7	13.2	0.002	0.08	0.42	3.2	0.4	0.9	90.7	0.01	<0.01	13.5	<0.01
053642																
053643																
053644																
053645																
053646																
053647																
053648		8.7	500	25.9	15.0	0.002	0.17	0.41	3.8	0.4	0.9	71.8	0.01	<0.01	10.2	<0.01
053649		19.6	940	20.0	20.0	0.002	0.03	0.20	4.9	0.3	1.3	94.3	0.01	<0.01	9.1	<0.01
053650		29.4	490	9.4	17.5	0.002	<0.01	0.30	2.4	<0.2	0.6	45.7	<0.01	<0.01	2.5	<0.01
053651																

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

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275 ALSEK RD.
WHITEHORSE YT Y1A 4T1

Date : 12-Dec-2002
Account: TFI

Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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
053652																
053653																
053654																
053655																
053656																
053657																
053658																
053659																
053660		2.2	10	36.4	20.0	0.002	0.08	0.40	1.6	0.6	0.8	63.2	0.02	<0.01	44.7	<0.01
053661		3.1	10	42.3	15.6	0.002	0.05	0.21	1.4	0.5	0.6	69.0	0.03	<0.01	44.2	<0.01
053662		15.2	880	10.1	14.5	0.001	<0.01	0.12	3.8	<0.2	0.6	60.3	<0.01	<0.01	3.6	<0.01
053663		29.2	1270	10.0	15.2	0.002	0.01	0.15	8.9	0.3	0.8	204	0.01	<0.01	3.5	<0.01
053664		33.0	1420	13.7	14.8	0.002	0.02	0.19	8.2	0.4	0.6	233	0.01	<0.01	4.7	<0.01
053665		43.0	1930	9.4	19.6	0.002	0.04	0.35	10.0	0.3	0.5	205	0.01	<0.01	2.8	<0.01
053666		20.2	1010	19.6	16.6	0.002	0.01	0.26	6.1	0.3	0.7	202	0.01	<0.01	5.6	<0.01
053667		12.2	600	24.0	15.2	0.002	0.05	0.22	4.1	0.4	1.0	125.5	0.01	<0.01	8.1	<0.01
053668		27.9	2110	9.1	20.3	0.001	0.08	0.26	9.4	0.3	0.5	106.5	0.01	0.04	2.2	<0.01
053669		20.5	1050	27.3	14.6	0.002	0.01	0.19	4.9	0.4	0.9	154.0	0.01	<0.01	6.9	<0.01
053670		2.0	90	31.8	21.7	0.002	0.09	0.31	1.4	0.4	0.5	22.5	0.01	<0.01	11.8	<0.01
053671																
053672																
053673		53.7	1570	8.9	13.4	0.002	0.06	1.32	11.6	0.4	0.5	165.5	0.01	<0.01	4.6	<0.01
053674		46.0	930	14.9	13.4	0.002	0.08	0.56	8.6	0.6	0.6	82.5	0.01	0.01	4.3	<0.01
053675		42.9	810	11.8	11.9	0.002	0.10	0.26	9.4	0.4	0.6	119.0	<0.01	<0.01	2.8	<0.01
053676		47.1	930	11.6	12.0	0.002	0.09	0.30	10.0	0.4	0.6	91.3	0.01	0.01	3.2	<0.01
053677		90.2	780	11.0	15.1	0.002	0.12	0.26	9.7	0.6	0.7	77.6	<0.01	0.01	3.2	<0.01
053678		82.9	2120	4.7	8.8	0.002	0.48	0.34	14.4	0.5	0.7	151.5	0.01	0.02	3.2	0.01
053679		49.5	1310	8.9	10.8	0.002	0.32	0.18	10.4	0.5	0.6	135.5	0.01	<0.01	2.7	<0.01
053680																
053681																
053682		4.7	60	13.8	20.2	0.002	1.02	3.93	0.9	0.5	0.5	11.2	0.01	<0.01	13.8	<0.01
053683		5.8	80	13.9	22.1	0.002	0.03	0.31	1.6	0.5	0.9	9.1	0.01	<0.01	15.2	<0.01
053684																
053685																
053686																
053687																
053688																
053689																
053690																
053691		1.1	80	31.5	21.1	0.002	0.07	0.15	1.6	0.4	0.5	38.1	0.01	<0.01	14.2	<0.01

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

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Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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
053692																
053693		1190	<10	0.5	1.5	0.002	0.45	1.14	9.1	0.2	<0.2	313	<0.01	<0.01	<0.2	<0.01
053694		8.7	<10	34.4	0.5	0.001	0.20	1880	0.3	152.5	0.5	114.5	<0.01	0.69	<0.2	<0.01
053695		28.1	680	13.7	23.0	0.003	0.47	5.48	6.2	4.6	0.7	321	<0.01	0.05	5.7	0.05
053696		7.1	1440	0.9	0.7	0.002	<0.01	9.03	0.6	0.8	0.2	42.4	<0.01	<0.01	0.3	<0.01

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ba-AA61	Ag-AA46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ba	Ag
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5	10	1
053612										
053613										
053614										
053615										
053616										
053617										
053618										
053619										
053620										
053621										
053622										
053623										
053624										
053625		0.10	1.66	29	0.24	27.7	104	8.8		
053626		0.07	0.25	64	0.20	23.1	95	3.2		
053627		0.08	0.47	32	0.07	19.55	85	4.4		
053628		0.12	0.26	54	0.16	22.9	99	3.7		
053629		0.23	0.12	59	0.42	25.5	103	2.9		
053630		0.21	0.12	56	0.31	24.3	105	2.3		
053631		0.21	0.12	52	0.31	23.5	100	2.2		
053632		0.20	0.14	52	0.28	26.1	105	2.6		
053633		0.08	0.37	50	0.17	24.7	102	4.1		
053634		0.08	0.31	49	0.18	24.6	126	5.7		
053635		0.07	0.22	48	0.15	19.35	106	3.7		
053636		0.08	0.24	45	0.20	21.8	102	3.6		
053637		0.07	0.16	57	0.09	25.2	106	4.2		
053638		0.08	0.23	50	0.19	30.0	109	2.7		
053639		0.06	0.54	30	0.13	29.9	93	5.0		
053640		0.08	1.20	12	0.16	34.1	127	12.4		
053641		0.08	1.29	9	0.16	36.2	99	12.2		
053642										
053643										
053644										
053645										
053646										
053647										
053648		0.14	0.76	13	0.17	33.4	111	11.0		
053649		0.10	1.22	24	0.17	34.3	105	10.6		
053650		0.07	0.45	18	0.09	6.67	82	3.3		
053651										

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Date : 12-Dec-2002
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Project : Canyon Gold

CERTIFICATE OF ANALYSIS VA02006301

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	Ba-AA61 Ba ppm 10	Ag-AA46 Ag ppm 1
053652										
053653										
053654										
053655										
053656										
053657										
053658										
053659										
053660		0.10	15.20	1	0.91	87.2	55	49.0		
053661		0.07	12.75	2	0.57	71.1	59	34.4		
053662		0.07	1.10	24	0.11	14.10	73	7.7		
053663		0.07	0.45	46	0.23	30.7	94	5.4		
053664		0.07	0.47	38	0.46	33.8	95	5.6		
053665		0.08	0.36	41	0.63	34.1	97	5.0		
053666		0.07	0.47	31	0.17	34.7	107	6.5		
053667		0.08	0.66	19	0.15	34.7	96	8.7		
053668		0.09	0.36	44	0.14	27.7	111	6.2		
053669		0.07	0.54	26	0.15	39.9	116	8.2		
053670		0.10	0.86	1	0.11	27.3	87	9.6		
053671										
053672										
053673		0.13	1.02	57	<0.05	20.1	102	5.0		
053674		0.12	1.00	33	<0.05	17.40	102	4.9		
053675		0.10	0.70	39	<0.05	15.30	87	5.5		
053676		0.08	0.81	40	<0.05	17.50	108	4.4		
053677		0.09	0.80	40	<0.05	15.00	93	4.8		
053678		0.16	0.82	73	0.07	20.6	84	8.9		
053679		0.16	0.78	47	0.05	17.80	85	8.6		
053680										
053681										
053682		0.25	0.87	1	0.27	24.0	89	13.1		
053683		0.12	1.41	2	0.28	37.0	94	30.7		
053684										
053685										
053686										
053687										
053688										
053689										
053690										
053691		0.09	1.33	1	0.14	37.7	98	26.1		

Comments: Interference: Ca>10% on ICP-MS As,ICP-AES results shown.