

**YEIP  
2006  
-025  
V. 1**

# **2006 DIAMOND DRILLING REPORT**

**on the**

## **CANYON GOLD**

## **ANOMALY A**

**(A CORRELATIVE ENZYME LEACH and CONVENTIONAL SOIL GEOCHEM TARGET)**

**Whitehorse Mining District**

**NTS: 105 K-2**

**Latitude 62° 2.8', Longitude 132° 50'**

## **CANYON CLAIMS**

**(Aug. 10<sup>th</sup> to Aug. 30<sup>th</sup>, 2006)**

**By: A. Carlos (owner of claims)  
December 22, 2006**

**File Number: 06-025 - V.1**

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## **INTRODUCTION**

History of the Grew Creek deposit area leading up to the present is detailed further on in this text. During the latter part of the summer season we diamond drilled one hole on anomaly A, a combined conventional and Enzyme Leach geochemical target. Test location was determined by consulting geologist Gregory T. Hill, M.Sc.

## **PROGRAM 2006**

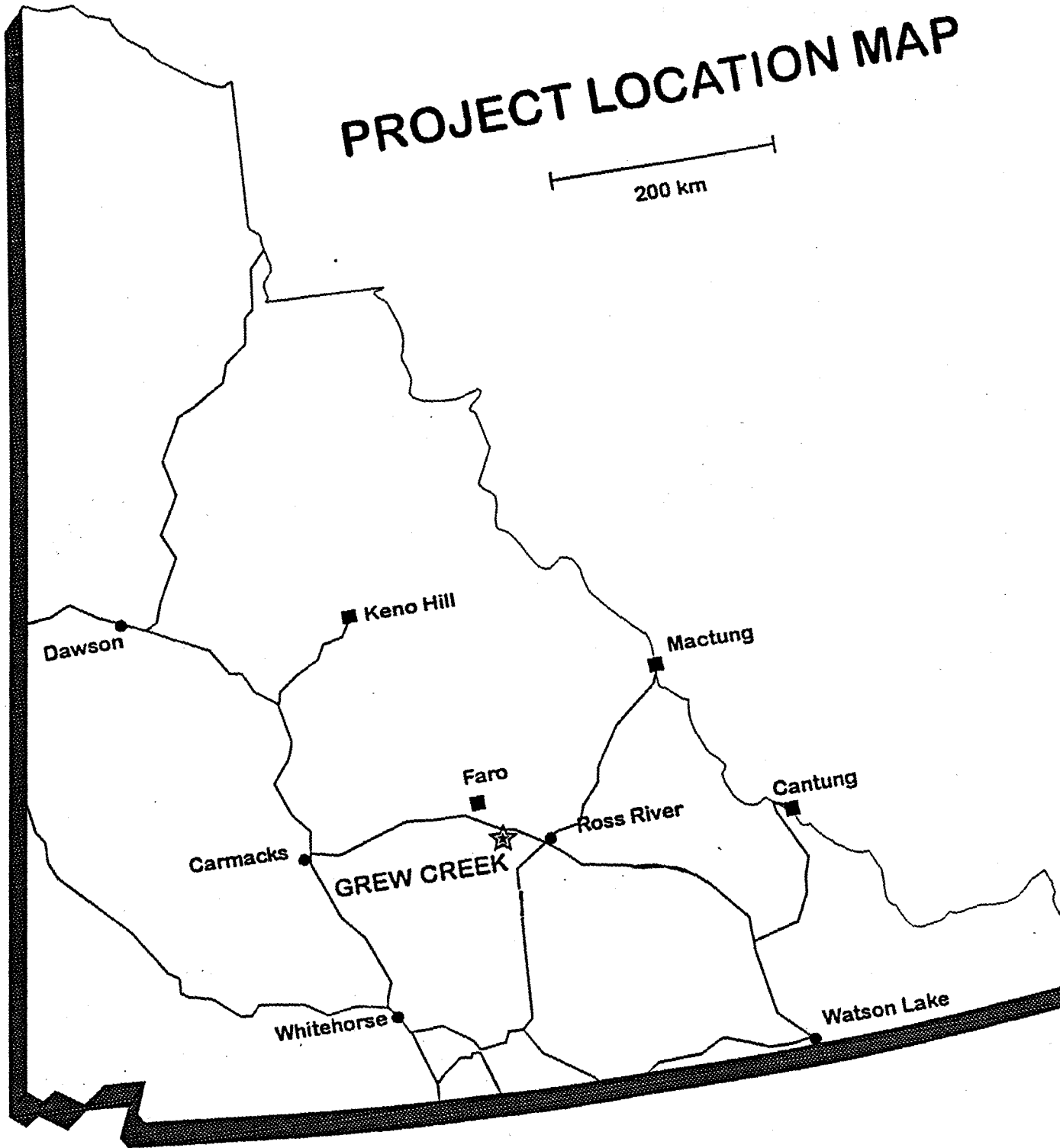
Upon constructing access, D.D.H. An A-1-06 was drilled at bearing 203° and angle -75°. Suspected deeper overburden determined the steep angle. See Fig. 1 and 2 for location of Anomaly A and diamond drill hole. Core was split and sent to ALS Chemex for AuAA24 and MeMs41.

## **RECOMMENDATIONS**

A compilation of geochemical and pH patterns, together with interpreted structure make for a very compelling target. Additionally, some years back a very intriguing epithermal banded quartz float was found in the immediate vicinity. A number of other drill targets are readily discernible. More drilling is required, with one caveat. Sanding is a severe problem, requiring a diamond drill capable of driving casing further than we were able.

# PROJECT LOCATION MAP

200 km





# GREW CREEK PROJECT

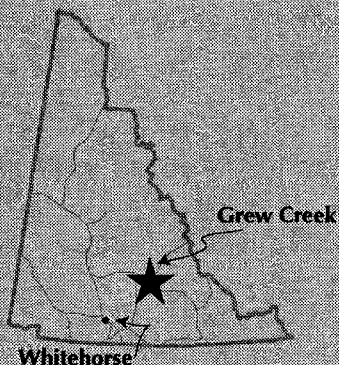
## A. Carlos (owner)

Whitehorse, Yukon

Phone (867) 668-6309

## PROJECT STATUS

Optioned to Freegold Ventures Limited



## Location

35 km west of Ross River

## Ownership

A. Carlos

## Commodity

Gold, silver

## Ore type

Oxide

## Geological resource (drill-indicated)

773 012 tonnes

Silver: 33 g/t

Gold: 8.9 g/t

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

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

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

In 2000, a total of \$36 000 was spent by A. Carlos exploring a new area 1.8 km from the main zone. He returned in 2001 to drill an additional five holes totalling 262 m, and continued to drill another six holes totalling 415 m in 2002. In 2003, he drilled a further 450 m in seven holes.

In July, 2004, Freegold Ventures Limited entered an option agreement to acquire up to a 100% interest in the project. The company began a drill program in October.

## 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 1 km from the Robert Campbell Highway and the Whitehorse power grid. The property consists of 192 claims and is owned by A. Carlos of Whitehorse.

The 2004 drill program evaluated a new interpretation of the structural controls on the mineralized vein system within the deposit and nearby targets.

## **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-trending fault against a cyclic sequence of fluvial sedimentary rocks. The faulted contact is partly intruded by a quartz-feldspar porphyry dyke. The pyroclastic rocks, dyke, fault and sedimentary rocks 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.

The mineralized zone contains 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. Arsenic and mercury are strongly anomalous in the mineralized rock, 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 g/t Au and 150.9 g/t Ag across 31.4 m, while the best section exposed in a trench assayed 3.6 g/t Au and 15.3 g/t Ag across 13 m. The 1989 drilling focused on the main zone, with the best hole returning 10.5 g/t Au over 13 m.

The Tarn zone, located 2 km to the east, consists of quartz-fluorite-chalcedony stockwork 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 9320 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 the South Zone consists of an extensive quartz-adularia stringer stockwork of low-grade gold-silver values. The best intersections were 2.33 g/t Au and 4.1 g/t Ag over 10.4 m. The South Zone appears to be connected with the Main Zone, but further drilling between the two mineralized 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 g/t Au and 3.0 g/t Ag over 24 m.

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

In 2001, five holes were drilled and a hydrothermal breccia was intersected. In 2002, 1200 grid soil samples were collected on the Maverick prospect, located 7 km northwest of the Grew Creek deposit along the graben trend. The samples were tested using the enzyme leach technique. Results from the sampling prompted the drilling of four holes totaling 268 m. An additional 365 fill-in and grid expansion soil samples were also collected.

## **PRODUCTION PLANS**

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

## DISCUSSION OF DIAMOND DRILLING, OBSERVATIONS

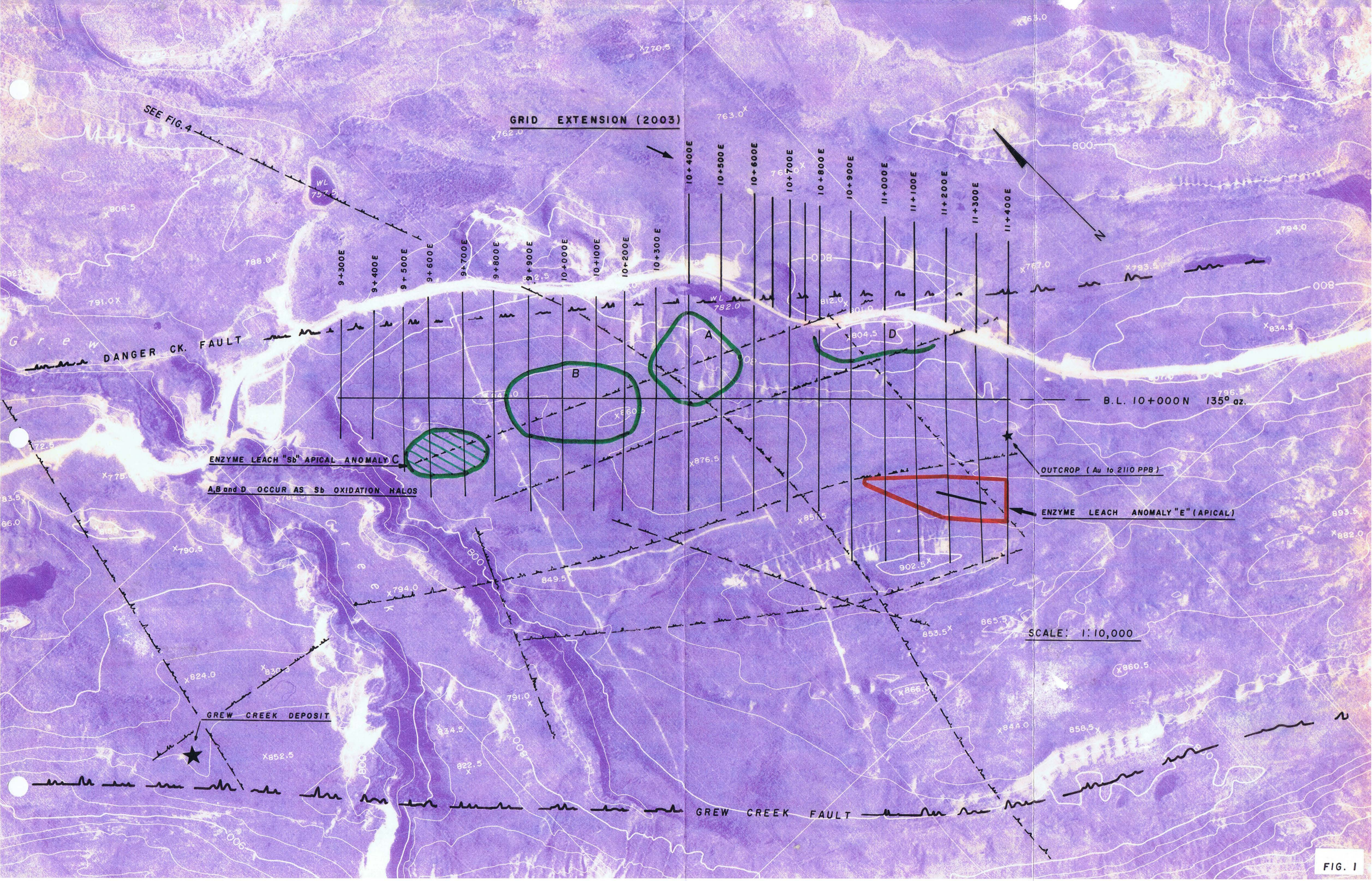
After 137½' of till that we barely got through-we cored 46½' of a very dense, finely laminated siltstone-shale. At 187½' drill head pressure dropped abruptly and we lost water return for the remainder. Unable to maintain the hole properly due to lack of water return, extreme sanding and the fear of losing our entire drill string forced closure at 297'.

This exercise determined the presence of 100' of variably brecciated Tertiary siltstone-shale, silicified, and with elevated mercury values. In phone discussions with several Nevada geologists, some of what I relayed suggested to them the presence of collapse breccia. This is interesting in that only in 2005 was it determined that sections of this graben unit is significantly calcareous. Someone knowledgeable in breccia types common to sedimentary-hosted Au deposits would be invaluable at this point. Analysis of the ore bodies along the Carlin trend shows that strata bound replacement ore bodies are less common than the vein-like and breccia mineralization styles.

## CONCLUSIONS

I believe this to be a successful first hole on Anomaly A. Evidence to date garnered from this target greatly expands the potential of the Canyon Graben, foremost at this point being the Maverick area.





SEE FIG. 4

GRID EXTENSION (2003)

DANGER CK. FAULT

ENZYME LEACH "Sb" APICAL ANOMALY C

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

B.L. 10+000N 135° az.

FIG. 1



UAG 1011 151.94

UAG 1011 151.94

SEE FIG. 1

A, B, C, D and E = ENZYME LEACH ANOMALIES

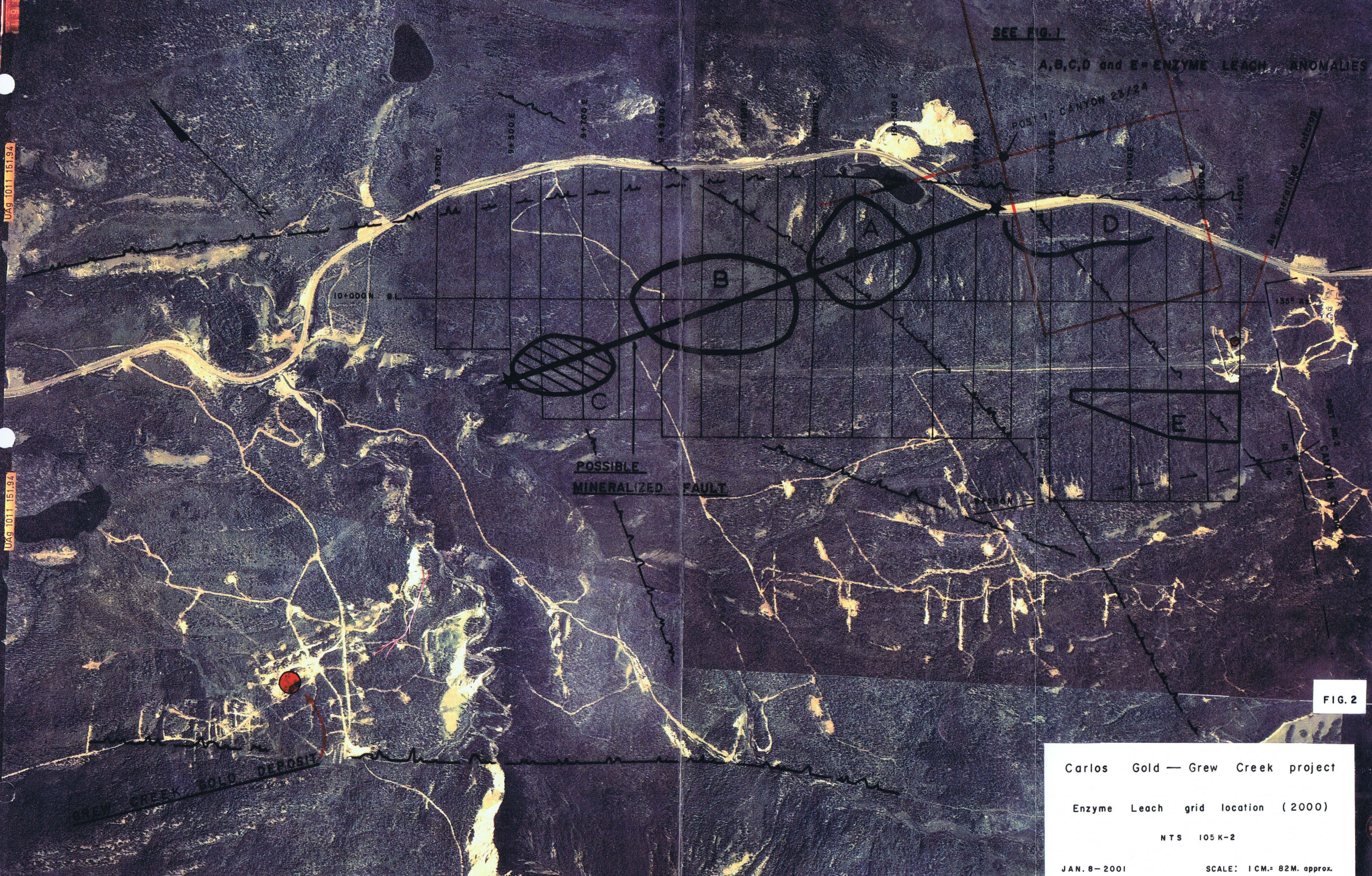


FIG. 2

Carlos Gold — Grew Creek project

Enzyme Leach grid location (2000)

NTS 105 K-2

JAN. 8-2001 SCALE: 1 CM. = 82M. approx.



# Carlos Gold - Grew Creek project

## Enzyme Leach<sup>SM</sup> data

Sum of z-scores: As, Sb, I, Br, Sr, Hf, Zr, Cu

Drawn by: G.T. Hill

Date: November 9, 2000

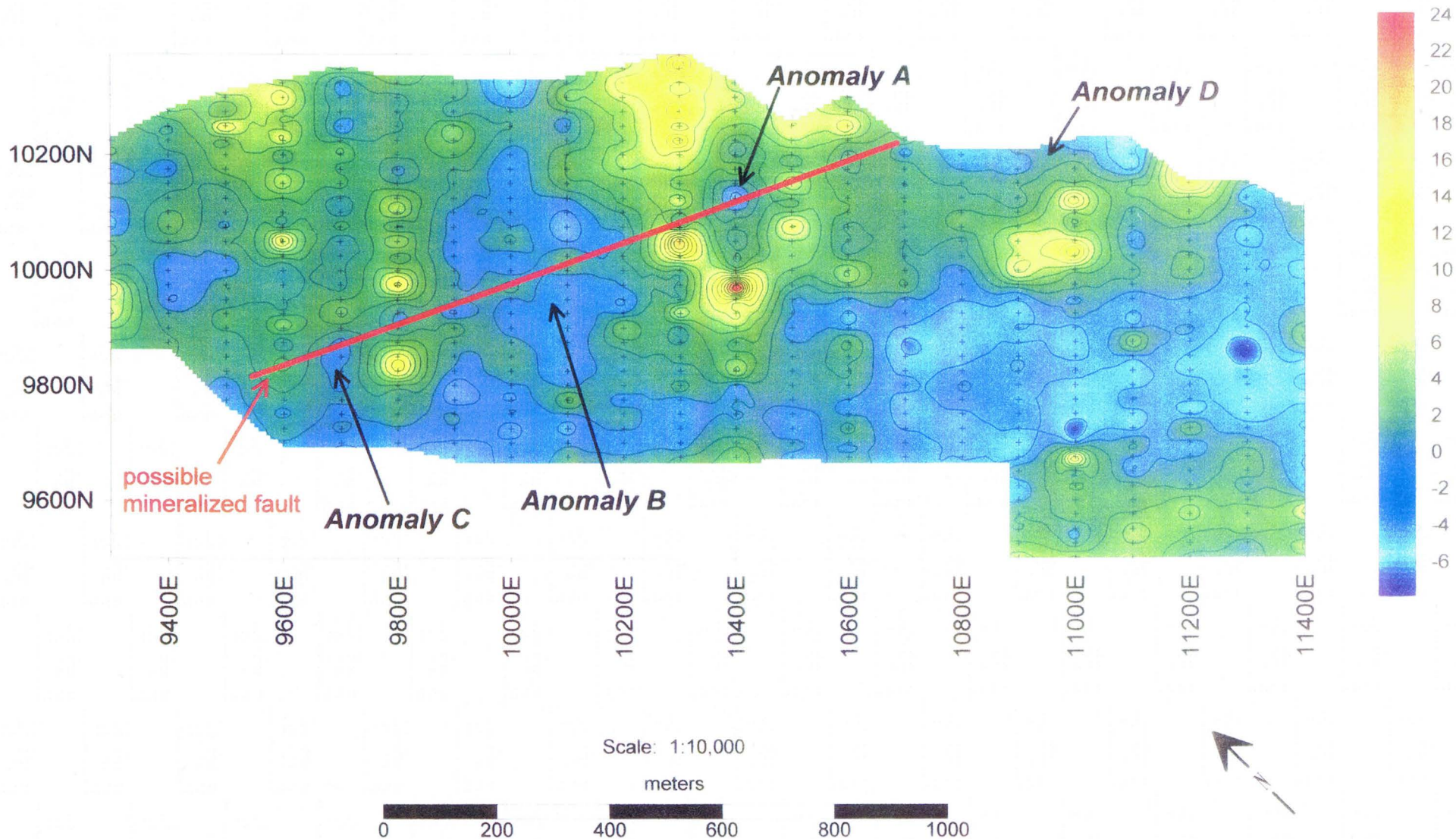


fig. 3

## **APPENDIX 1**

### **DRILL HOLE DESCRIPTIVE LOG**



ANOMALY A / 2006

BOX 1 - An A - 1-06

BOX 2 - An A - 1-06

BOX 3 - An A - 1-06

180 ft.

187.5 ft.

BOX 4 - An A - 1-06

206

BOX 5 - An A - 1-06

BOX 6 - An A - 1-06

BOX 7 - An A - 1-06

BOX 8 - An A - 1-06

247



**GRID: 10+400E**

**HOLE: NO 1**

**COORDINATES: 10+125N**

**BEARING: 203°**

**ANGLE: -75°**

**DEPTH: 297 FEET**

**FROM**

**TO**

**DESCRIPTIONS**

0'

133½'

OVBN

133½'

180'

SILTSTONE-SHALE

Dark gray to light tan, very finely and evenly laminated, very dense. Beginning at 175' - a fine grained breccia (gray) selectively trends between certain finely separated laminations - at times pinching and swelling with no disruption of the adjacent lamina. Laminations consistent at 45° CA, but trend to 70° CA nearing the 180' mark.

180'

187½'

QUARTZ, SILTSTONE -SHALE LARGE FRAGMENT BRECCIA

Very abrupt contact. Lost all water return. Only 8% core recovery in this 7½'. Silicified, pyritized siltstone-shale together with pyritic quartz make up a large fragment (to 4cm) poorly consolidated breccia. Thin vein quartz is seen to cut recovered siltstone-shale clasts. 180' - A 3" section of a medium grained breccia (.5cm. clasts) of angular to semi-rounded silicified siltstone-shale and quartz fragments. Immediately following the above is a 2" recovered core of a 2' section, showing what follows to 187½': A breccia composed of both silicified and pyritized siltstone-shale plus quartz fragments-cemented by a fine grained matrix of like material. Apparently the porous, fine-grained breccia matrix does not hold up to drill pressure, resulting only in the recovery of occasional larger fragments jammed in the core tube.

Logged by: \_\_\_\_\_ Hole Number: \_\_\_\_\_ Sheet Number: \_\_\_\_\_

FROM

TO

DESCRIPTIONS

187½'

297'

QUARTZ SILTSTONE-SHALE FINE FRAGMENT  
BRECCIA

Within zone - relatively longer sections of consistent brecciation is indispersed with short intervals of laminated siltstone-shale exhibiting varying degrees of minor brecciation. Breccia is silicified and for the most part is very fine grained, with only occasional very short sections of coarser material. In the latter instance, the coarser breccia may host a clast to 2cm. of either quartz or silicified siltstone-shale. Visible pyrite within breccia is dispersed throughout (to 5%).

187½'-206': Fine fragment breccia-minor larger clasts at 199'.

206'-209': Minor brecciation. Laminations 8°CA.

209'-212': Fine fragment breccia.

212'-217': Minor brecciation. Laminations 12°CA.

217'-238½': Fine fragment breccia.

238½'-245': Minor brecciation. Laminations 0°CA.

245'-249': Fine fragment breccia. Remnant, ghost like laminations (bedding) near end of section.

249'-254': Minor brecciation. Laminations 0°CA.

254'-267': Fine fragment breccia. Breccia dies out in last 2'.

267'-297': Minor brecciation. Laminations vary 10°-40°CA. Notable clay rich crushed siltstone-shale noted from 292' to end of hole.

E.O.H.

Note: Core is in safe keeping at 275 Alsek Rd., Whitehorse. It is 1.39" in diameter, similar to the more common BQ wire line size of 1.43".

Logged by: \_\_\_\_\_ Hole Number: \_\_\_\_\_ Sheet Number: \_\_\_\_\_

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTIONS</u>
		ANOMALY A-1-06 ASSAY INTERVALS
179'	187½'	21918 - 8% CORE RECOVERY
187½'	193'	21919
193'	198'	21920
198'	202'	21921
202'	206'	21922
206'	209'	21923
209'	212'	21924
212'	217'	21925
217'	222'	21926
222'	227'	21927
227'	232'	21928
232'	235'	21929
235'	238½'	21930
238½'	245'	21931
245'	249'	21932
249'	254'	21933
254'	258'	21934
258'	262'	21935
262'	267'	21936

Logged by: \_\_\_\_\_ Hole Number: \_\_\_\_\_ Sheet Number: \_\_\_\_\_

## **APPENDIX 2**

### **DIAMOND DRILL HOLE CROSS SECTION**

D.D.H. An. A-1-06



—LINE 10+400E

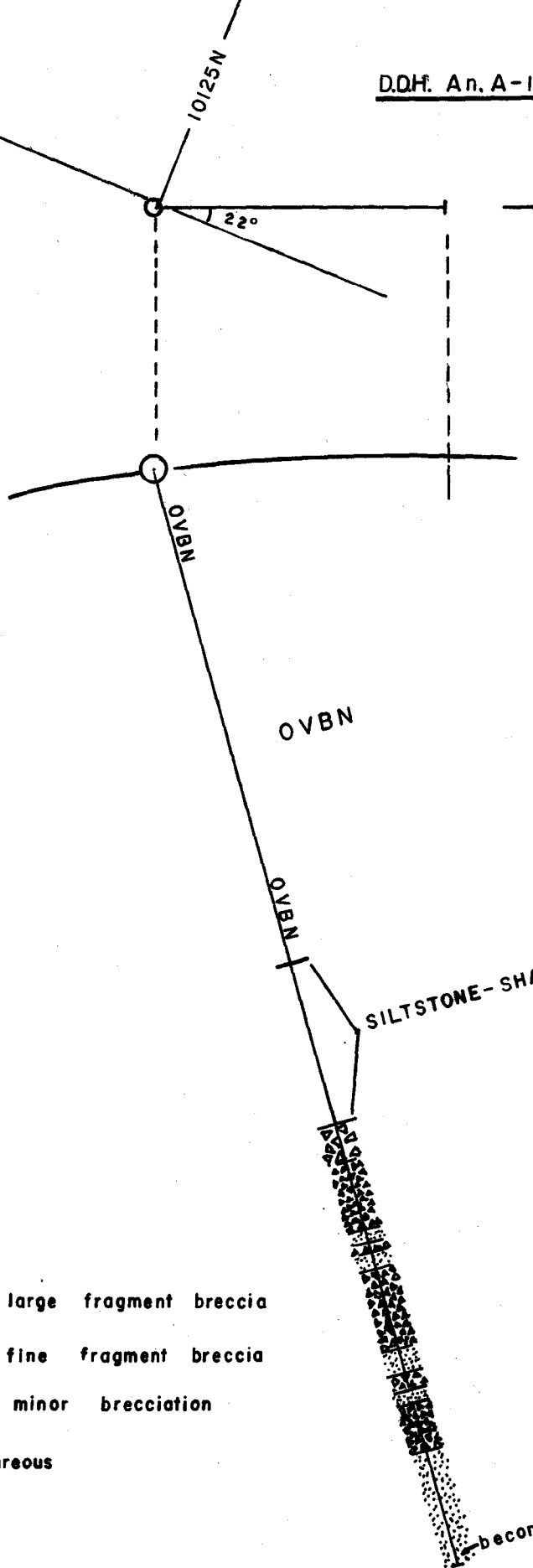
10/25N

22°




203° Az.

PLAN

SECTION 22° OFF GRID



LEGEND

-  SILTSTONE-SHALE large fragment breccia
-  " " fine fragment breccia
-  " " minor brecciation

all above non-calcareous

becoming clay rich

SCALE: 1:500

## **APPENDIX 3**

### **ANALYTICAL RESULTS**



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

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

Page: 1  
Finalized Date: 18-OCT-2006  
This copy reported on 19-OCT-2006  
Account: TFI

## CERTIFICATE VA06087799

Project:

P.O. No.:

This report is for 19 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 1-SEP-2006.

The following have access to data associated with this certificate:

ALLEN CARLOS

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
Au-AA24	Au 50g FA AA finish	AAS

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:**

Keith Rogers, Executive Manager Vancouver Laboratory



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Page: 2 - A  
Total # Pages: 2 (A - D)  
Finalized Date: 18-OCT-2006  
Account: TFI

## CERTIFICATE OF ANALYSIS VA06087799

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA24	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.005	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
21918		0.36	0.005	0.34	0.83	37.9	<10	250	0.34	0.15	0.26	0.33	25.90	7.3	45	0.86
21919		1.60	0.007	0.32	1.00	35.9	<10	320	0.40	0.17	0.21	0.50	42.30	10.0	15	0.86
21920		1.34	0.008	0.32	0.94	39.1	<10	310	0.40	0.16	0.18	0.51	39.30	10.5	32	0.87
21921		0.54	0.005	0.32	0.85	35.5	<10	500	0.36	0.15	0.25	0.41	31.70	8.0	15	0.74
21922		0.86	0.010	4.97	1.25	44.8	<10	380	0.56	0.22	0.26	0.69	48.10	15.3	37	1.20
21923		0.72	0.011	0.47	1.93	50.0	<10	400	0.90	0.45	0.16	1.19	74.30	25.6	31	2.57
21924		0.84	0.009	0.62	1.06	43.4	<10	370	0.54	0.17	0.30	0.59	48.00	14.0	28	1.07
21925		1.56	0.007	0.45	2.36	46.4	10	390	0.97	0.44	0.17	1.22	77.20	23.0	35	2.75
21926		1.50	0.012	0.34	1.26	41.5	<10	400	0.53	0.21	0.28	0.71	52.30	15.2	31	1.31
21927		1.80	0.011	0.30	1.22	40.2	<10	430	0.51	0.18	0.35	0.62	46.70	12.2	19	1.16
21928		1.72	0.012	0.35	1.32	39.9	<10	420	0.50	0.20	0.30	0.75	52.30	12.7	19	1.19
21929		1.22	0.013	0.35	1.25	38.0	<10	400	0.55	0.19	0.35	0.75	52.00	12.7	19	1.20
21930		1.48	0.010	0.30	1.18	37.4	<10	390	0.52	0.17	0.37	0.65	48.20	12.5	18	1.12
21931		1.72	0.011	0.45	2.15	62.2	<10	390	0.92	0.45	0.13	1.17	78.50	29.6	34	2.75
21932		1.62	0.014	0.38	1.54	73.9	<10	350	0.72	0.25	0.19	0.97	68.50	29.2	26	1.70
21933		1.58	0.008	0.42	2.14	48.1	<10	340	0.85	0.43	0.13	1.14	76.10	24.2	36	2.70
21934		1.40	0.011	0.36	1.16	40.1	<10	370	0.49	0.19	0.26	0.81	54.30	12.6	18	1.21
21935		1.48	0.012	0.33	1.21	35.9	<10	380	0.49	0.19	0.30	0.76	50.20	12.2	19	1.11
21936		1.72	0.009	0.34	1.32	42.3	<10	530	0.57	0.23	0.25	0.74	53.40	16.5	21	1.40





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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
21918		34.6	3.44	2.73	0.07	0.16	0.12	0.029	0.21	12.3	7.4	0.36	2090	3.48	<0.01	0.07
21919		49.6	2.89	3.16	0.09	0.14	0.17	0.018	0.34	20.5	9.5	0.47	796	1.66	<0.01	0.05
21920		47.5	2.79	2.86	0.08	0.14	0.17	0.015	0.32	19.0	9.0	0.43	856	1.75	<0.01	<0.05
21921		42.0	2.20	2.61	0.07	0.17	0.14	0.015	0.26	15.1	7.5	0.31	651	2.23	<0.01	0.05
21922		68.3	4.54	4.10	0.10	0.17	0.23	0.026	0.37	23.2	10.6	0.48	1980	4.80	<0.01	<0.05
21923		63.4	2.40	6.98	0.11	0.30	0.44	0.065	0.29	32.5	19.5	0.52	553	4.96	0.03	0.05
21924		49.6	6.49	3.57	0.12	0.16	0.20	0.018	0.36	22.5	8.6	0.60	4590	5.14	<0.01	0.06
21925		63.5	2.51	7.97	0.11	0.30	0.40	0.067	0.35	32.6	21.8	0.55	539	5.08	0.04	0.05
21926		56.9	5.82	4.21	0.12	0.18	0.23	0.025	0.40	25.0	10.0	0.58	3310	4.16	<0.01	<0.05
21927		50.2	5.13	3.76	0.11	0.16	0.21	0.018	0.45	22.3	8.7	0.53	2380	4.00	<0.01	0.05
21928		56.7	5.32	4.00	0.11	0.16	0.24	0.022	0.46	24.6	9.6	0.54	2190	3.75	0.01	0.06
21929		57.1	5.33	3.88	0.10	0.18	0.22	0.022	0.44	24.9	9.7	0.55	2270	3.65	<0.01	0.05
21930		50.1	6.37	3.67	0.12	0.16	0.21	0.020	0.41	22.4	8.4	0.62	3610	3.94	<0.01	0.05
21931		62.0	2.47	7.76	0.11	0.29	0.36	0.066	0.31	33.8	20.7	0.53	584	6.70	0.05	<0.05
21932		57.7	4.78	5.81	0.12	0.23	0.31	0.032	0.35	30.8	13.4	0.57	2610	12.95	0.02	<0.05
21933		58.3	2.32	7.25	0.10	0.28	0.41	0.065	0.29	32.7	18.9	0.55	414	4.35	0.05	<0.05
21934		56.8	4.40	3.64	0.10	0.16	0.24	0.021	0.40	25.5	9.4	0.51	1640	4.08	<0.01	<0.05
21935		54.5	4.21	3.86	0.10	0.14	0.22	0.022	0.42	23.9	9.0	0.50	1540	4.79	0.01	0.05
21936		50.5	6.20	4.40	0.10	0.18	0.22	0.032	0.35	24.8	10.4	0.65	3700	5.75	0.01	<0.05



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275 ALSEK RD  
WHITEHORSE YT Y1A 4T1

Page: 2 - C  
Total # Pages: 2 (A - D)  
Finalized Date: 18-OCT-2006  
Account: TFI

## CERTIFICATE OF ANALYSIS VA06087799

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41		
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
21918		22.0	710	9.0	11.7	0.003	0.23	1.05	1.8	1.3	0.4	17.1	<0.01	0.03	4.2	0.005	
21919		30.3	810	9.9	16.3	0.002	0.29	1.00	2.2	1.8	0.3	22.4	<0.01	0.06	6.5	<0.005	
21920		31.9	740	10.0	15.4	0.002	0.30	1.04	2.1	1.8	0.3	19.7	<0.01	0.05	6.1	<0.005	
21921		26.1	1170	11.6	12.9	0.001	0.31	0.93	2.0	1.6	0.4	40.4	<0.01	0.04	5.3	0.005	
21922		40.9	1020	13.4	18.4	0.003	0.32	1.30	3.1	2.2	0.5	26.2	<0.01	0.07	8.0	<0.005	
21923		59.4	670	28.7	21.7	0.003	0.11	1.47	5.4	2.4	1.1	37.3	<0.01	0.08	13.7	0.006	
21924		36.8	1140	10.1	18.2	0.002	0.28	1.40	3.0	2.0	0.3	22.0	<0.01	0.06	7.1	0.005	
21925		56.7	650	27.8	25.3	0.002	0.11	1.57	5.9	2.2	1.2	39.0	<0.01	0.08	13.7	0.008	
21926		37.5	1110	12.8	20.2	0.002	0.27	1.29	3.4	2.3	0.4	25.1	<0.01	0.07	8.6	0.005	
21927		32.4	1470	10.3	20.3	0.002	0.32	1.39	3.0	2.2	0.4	24.0	<0.01	0.06	7.8	0.005	
21928		35.3	1260	12.5	21.0	0.002	0.40	1.43	3.0	2.4	0.4	24.4	<0.01	0.07	8.9	0.005	
21929		34.5	1480	11.7	20.7	0.002	0.38	1.42	3.1	2.5	0.4	25.5	<0.01	0.06	8.4	0.005	
21930		32.9	1510	10.5	19.4	0.003	0.33	1.31	3.0	2.1	0.4	23.9	<0.01	0.07	7.8	0.005	
21931		68.0	590	28.3	23.7	0.002	0.11	1.65	5.8	2.5	1.2	34.8	<0.01	0.09	14.1	0.007	
21932		67.0	740	17.6	20.1	0.003	0.22	2.21	4.7	2.4	0.6	24.2	<0.01	0.07	9.6	0.006	
21933		60.0	580	27.8	22.6	0.001	0.10	1.40	5.8	2.2	1.2	33.0	<0.01	0.08	13.9	0.007	
21934		36.0	1080	12.1	20.0	0.002	0.39	1.49	2.7	2.6	0.4	23.1	<0.01	0.07	8.5	<0.005	
21935		34.1	1290	11.3	19.7	0.003	0.38	1.62	2.7	2.3	0.4	23.2	<0.01	0.06	8.5	<0.005	
21936		40.7	910	14.3	19.3	0.002	0.23	1.54	3.5	2.0	0.5	23.2	<0.01	0.06	8.5	0.005	



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## CERTIFICATE OF ANALYSIS VA06087799

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
21918		0.09	1.41	19	1.32	4.88	55	6.6
21919		0.10	1.26	23	0.63	6.03	93	5.7
21920		0.10	1.27	22	0.41	5.88	96	5.6
21921		0.08	1.06	20	0.60	5.48	77	6.6
21922		0.10	1.63	32	23.10	9.45	122	7.7
21923		0.11	2.55	40	0.22	10.85	180	9.1
21924		0.11	1.42	32	1.74	11.55	110	6.0
21925		0.11	2.47	47	0.06	11.65	185	8.7
21926		0.12	1.69	35	0.12	10.70	128	7.4
21927		0.13	1.55	32	0.14	8.40	114	7.0
21928		0.12	1.78	35	0.10	9.08	130	6.6
21929		0.12	1.59	32	0.08	9.59	130	7.6
21930		0.11	1.83	33	0.10	10.15	115	7.3
21931		0.13	2.53	44	<0.05	11.80	172	8.6
21932		0.12	2.03	40	0.05	15.00	166	7.3
21933		0.10	2.43	42	<0.05	10.55	175	8.7
21934		0.11	1.58	29	0.06	8.69	132	6.4
21935		0.10	1.60	30	0.06	8.44	125	6.3
21936		0.11	1.64	36	<0.05	10.35	128	6.4

**YEIP  
2006  
-25  
V. 2**

# **2006 DIAMOND DRILLING REPORT**

**on the**

**CANYON GOLD**

**RAT CREEK ANOMALY**

**(A CORRELATIVE ZONE OF RESISTIVITY, MAGNETICS AND GEOCHEMISTRY)**

**Whitehorse Mining District**

**NTS: 105 K-2**

**Latitude 62° 02' 75", Longitude 132° 51.5'**

**CANYON CLAIMS**

**(June 5<sup>th</sup> to Aug. 9<sup>th</sup>, 2006)**

**By: A. Carlos (owner of claims)  
January 18, 2007**

**File Number: 06-025 - ~~8~~.2**

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- 2. E.L. Mo PLOT: No.1 and 2 anomaly centres, magnetic trend, drill holes.**

### APPENDICES

- 1. DRILL HOLE DESCRIPTIVE LOGS**
- 2. DIAMOND DRILL HOLE CROSS SECTIONS**
- 3. ANALYTICAL RESULTS**

## **INTRODUCTION**

History of the Grew Creek deposit area is detailed further on in this text. Concurrent with past work, the Rat Creek Zone was determined to host a combined one line resistivity and magnetic anomaly. Also, nearby rotary drill sampling of glacial till determined very anomalous values in gold plus related indicators. Minor reconnaissance drilling was carried out in the vicinity due to the anomalous rotary holes however, the one line combined resistivity and magnetic feature was not tested, most likely written off as error due to its one line signature. Also, the resistive feature was questioned due to supposed improper I.P. electrode spacing employed at that time (1988).

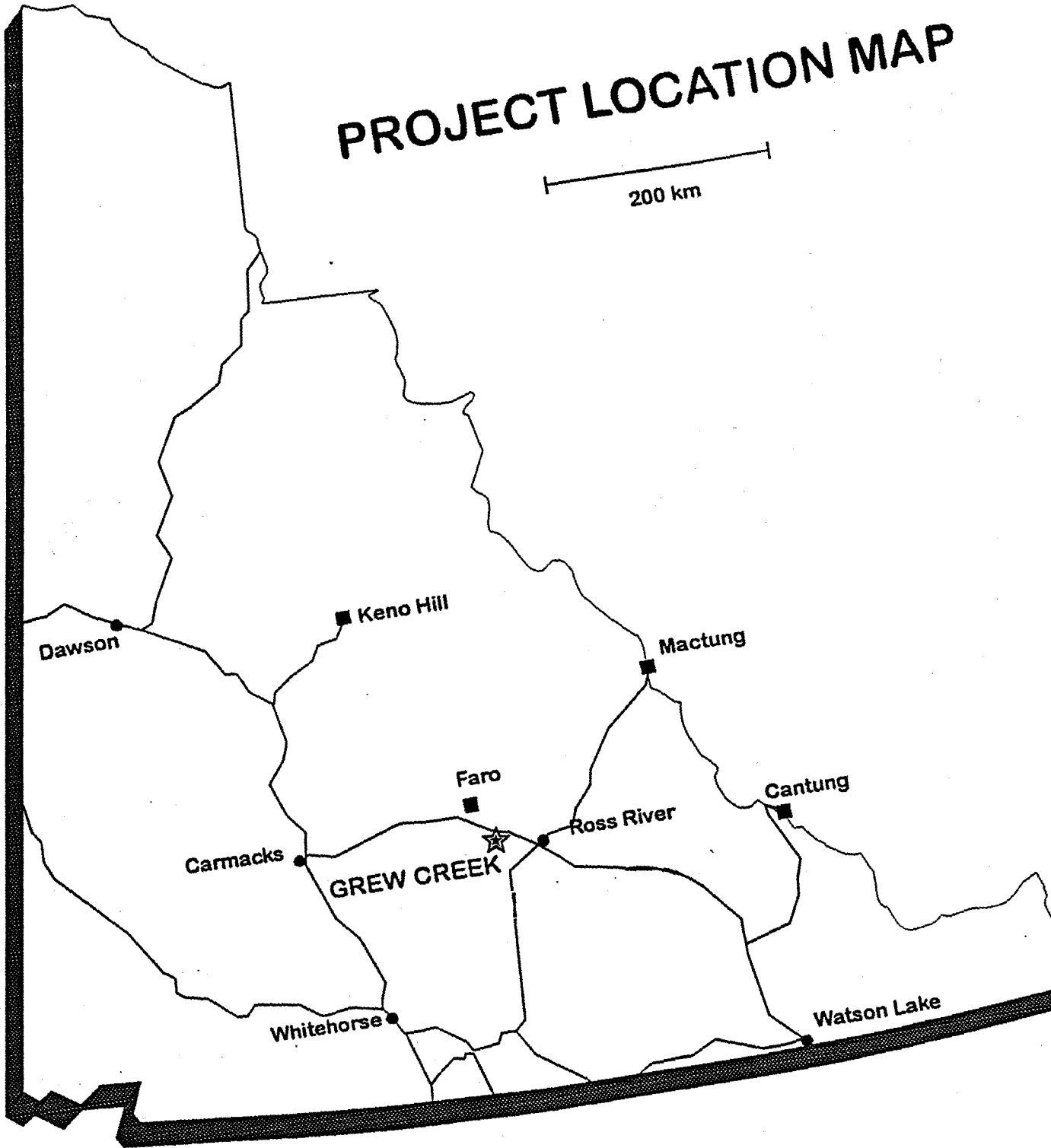
During 2005 my sons and I carried out grid refurbishing, geochemical soil sampling and magnetics. A combination of positive geochemistry and magnetics was determined to be present along the extent of line 11+100 E. Later in the season Freegold Ventures included this area in a more comprehensive induced polarization survey. This work essentially confirmed the initial work by Noranda: A resistive feature trending along line 11+100 E.

## **PROGRAM 2006**

Three diamond drill holes were completed, totalling 676 feet. Core was split and sent to ALS Chemex for AuAA24 and MeMs41.

# PROJECT LOCATION MAP

200 km



# GREW CREEK PROJECT

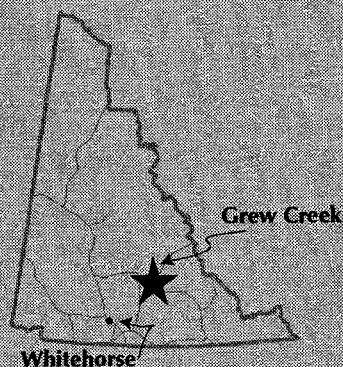
## A. Carlos (owner)

Whitehorse, Yukon

Phone (867) 668-6309

## PROJECT STATUS

Optioned to Freegold Ventures Limited



## Location

35 km west of Ross River

## Ownership

A. Carlos

## Commodity

Gold, silver

## Ore type

Oxide

## Geological resource (drill-indicated)

773 012 tonnes

Silver: 33 g/t

Gold: 8.9 g/t

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

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

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

In 2000, a total of \$36 000 was spent by A. Carlos exploring a new area 1.8 km from the main zone. He returned in 2001 to drill an additional five holes totalling 262 m, and continued to drill another six holes totalling 415 m in 2002. In 2003, he drilled a further 450 m in seven holes.

In July, 2004, Freegold Ventures Limited entered an option agreement to acquire up to a 100% interest in the project. The company began a drill program in October.

## 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 1 km from the Robert Campbell Highway and the Whitehorse power grid. The property consists of 192 claims and is owned by A. Carlos of Whitehorse.



The 2004 drill program evaluated a new interpretation of the structural controls on the mineralized vein system within the deposit and nearby targets.

## 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-trending fault against a cyclic sequence of fluvial sedimentary rocks. The faulted contact is partly intruded by a quartz-feldspar porphyry dyke. The pyroclastic rocks, dyke, fault and sedimentary rocks 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.

The mineralized zone contains 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. Arsenic and mercury are strongly anomalous in the mineralized rock, 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 g/t Au and 150.9 g/t Ag across 31.4 m, while the best section exposed in a trench assayed 3.6 g/t Au and 15.3 g/t Ag across 13 m. The 1989 drilling focused on the main zone, with the best hole returning 10.5 g/t Au over 13 m.

The Tarn zone, located 2 km to the east, consists of quartz-fluorite-chalcedony stockwork 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 9320 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 the South Zone consists of an extensive quartz-adularia stringer stockwork of low-grade gold-silver values. The best intersections were 2.33 g/t Au and 4.1 g/t Ag over 10.4 m. The South Zone appears to be connected with the Main Zone, but further drilling between the two mineralized 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 g/t Au and 3.0 g/t Ag over 24 m.

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

In 2001, five holes were drilled and a hydrothermal breccia was intersected. In 2002, 1200 grid soil samples were collected on the Maverick prospect, located 7 km northwest of the Grew Creek deposit along the graben trend. The samples were tested using the enzyme leach technique. Results from the sampling prompted the drilling of four holes totaling 268 m. An additional 365 fill-in and grid expansion soil samples were also collected.

## PRODUCTION PLANS

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

## **RECOMMENDATIONS**

More drill testing, using a larger machine than that employed the past season. This is necessary in order to best obtain the necessary lateral intervals in testing sections of this promising multianomaly trend.

Further processing of I.P. data to upgrade these so called "pseudo sections" would better resolve the probable dip of the resistivity features trending along line 11+100 E.

## **DISCUSSION OF DIAMOND DRILLING, OBSERVATIONS**

Drill locations and hole angles were a compromise between geochemistry-geophysics and our restricted ability to penetrate greater intercepts of overburden material. Our main focus was resistivity centres most central to geochemistry.

Accustomed to setting casing through glacial till - we were pleased with our progress in hole #1, believing that perhaps we were in a lacustrine sediment related to past glacial activity. A short distance into this exercise at hole #1 - we retrieved the drill rods and noted a section of material remaining in the drill tube because of its (extreme sticky clay) nature. Other than for varied clay content, any recovered portions were consistent in nature to 104 feet - where difficulty began while drilling what appeared to be an unconsolidated unit of rounded to subrounded quartz pebbles. A number of these were recovered due to having become jammed in the drill tube. This persisted to 112 feet - where we had to abandon the hole due to the high drill torque developed in advancing through this abrasive section.

I refer you to the logs for D.D.H. RCK 01 for a more detailed description of this 112 foot interval. The two later holes encountered equivalent sections, but we were able to proceed through the pebble rich portion.

Upon later assaying grabs from 3 separate holes of the carbonaceous, clay rich unit (sample 21939), the presence of elevated levels for numerous elements was noted. These were Ag-Ba-Cd-Cu-Li-Ni-Re-Sb-Ti and in particular Zn-Se-Hg. Another observation was the greater prevalence of very sticky clay rich sections within this unit in hole #1 relative to holes 2 and 3. Drill core below the pebble zone in holes 2 and 3 is anomalous in Au-Ag together with various indicators. In particular - a 10 foot interval in RCK-3 assayed 2.07oz./ton Ag over 10 feet and 3.62 oz./ton over 5 feet. This section is not veined nor particularly silicified, is very anomalous in tungsten and occurs within what I deem to be a hydrothermal breccia.

## **CONCLUSIONS**

Regarding the upper 100 plus feet of carbonaceous, carbonate and clay rich sections in all 3 holes, I have no definitive explanation for its origin. I do however believe it dates to the time of hot spring activity related to the deposition of the proximal Grew Creek deposit. This after much discussion with knowledgeable geologists and my own observations. The ten feet or so of anomalous rounded to subrounded pebble material at the base of the above unit I believe is compatible with the above conclusion.

Note: Core is in safe keeping at 275 Alsek Road, Whitehorse. It is 1.39" in diameter, similar to the more common BQ wire line size of 1.43".





SEE FIG. 4

GRID EXTENSION (2003)

DANGER CK. FAULT

ENZYME LEACH "Sb" APICAL ANOMALY C

A, B and D OCCUR AS Sb OXIDATION HALOS

OUTCROP (Au to 2110 PPB)

ENZYME LEACH ANOMALY "E" (APICAL)

GREW CREEK DEPOSIT

RAT CREEK LEGEND 2006  
 KEY CUT LINES  
 DIAMOND DRILL HOLES

SCALE: 1:10,000

GREW CREEK FAULT

FIG. 1



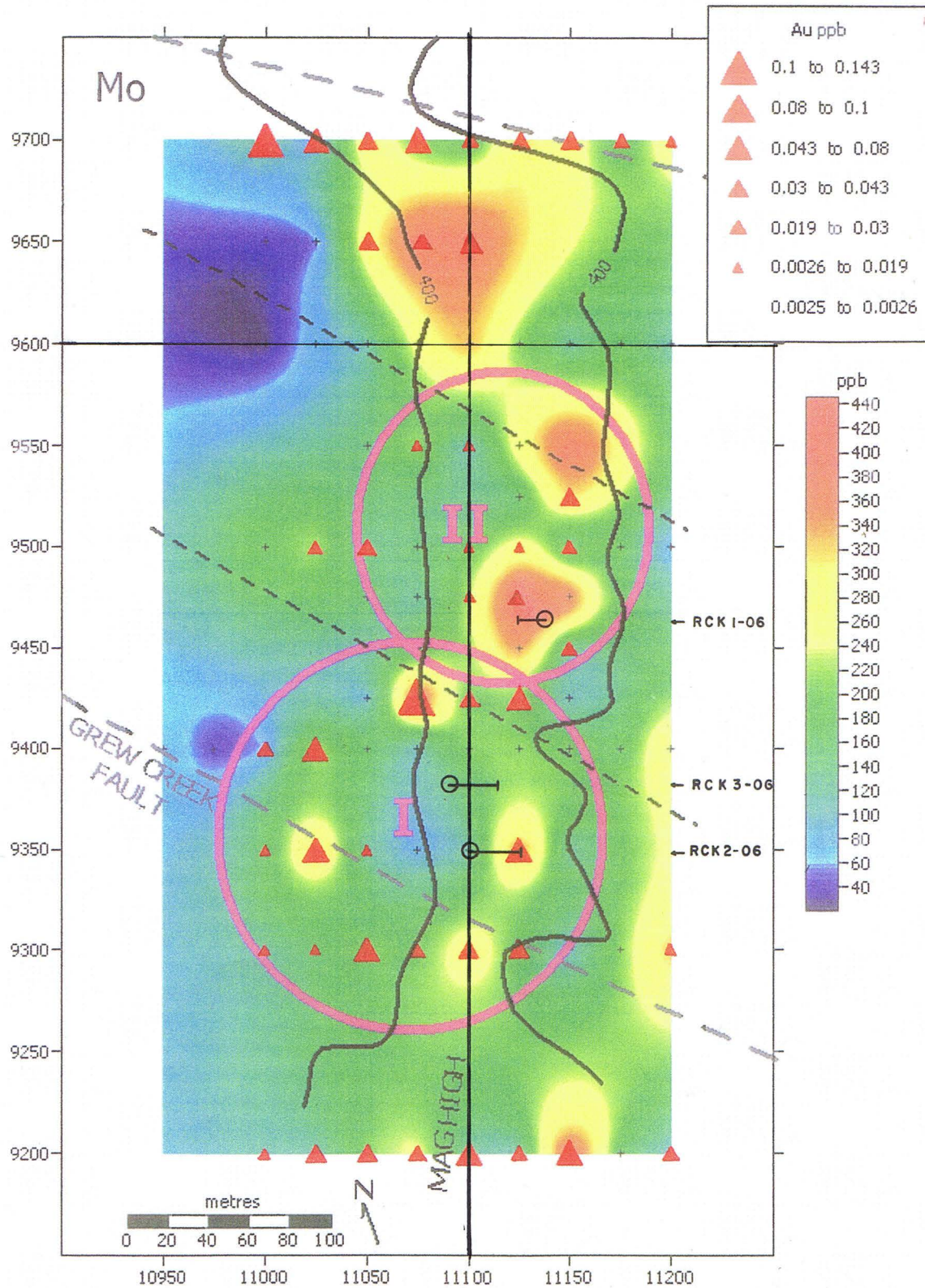


Figure 2. Distribution of molybdenum by enzyme leach overlaid on 400 nT contours showing magnetic high (from Noranda, 1988). Grey large dashed lines represent faults interpreted by Noranda. Black short dashes are interpreted faults from soil geochemistry. Enzyme leach gold shown in symbol plot.

# **APPENDIX 1**

## **DRILL HOLE DESCRIPTIVE LOGS**

**GRID: 11+140 E    HOLE: RCK-01    COORDINATES: 9+465N**

**BEARING: 290°                      ANGLE: -65°                      DEPTH: 112 feet**

**FROM                      TO                                      DESCRIPTIONS**

0'                                      106'                                      TUFF?

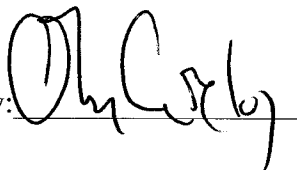
A fine grained micaceous, clay, carbonate and carbon rich material. There are no discernible sedimentary features. Occasional methane would bubble to the surface when penetrating this section. Of the 3 holes drilled in this program, hole #1 consisted of the greatest content of a very sticky clay - particularly in the lower section. Its consistency was such that we would have to scrape it off the rods with a putty knife - prior to washing with water and burlap cloth. This would occur while retrieving the drill stem in the process of driving casing. The type of clay present may have been due to hydrothermal activity, and as such, relevant.

106'                                      112'                                      QUARTZ RICH ROUNDED TO SUBROUNDED PEBBLES

The very occasional material retrieved was similar in composition, rounded to subrounded, silicified, brecciated and of local volcanic aspect. Water return was clear, with no suggestion of glacial till presence. We could not advance through the material.

E.O.H.

Logged by:



Hole Number: 17401 Sheet Number: 1

**GRID:** 11+100 E    **HOLE:** RCK-02    **COORDINATES:** 9+350N

**BEARING:** 110°    **ANGLE:** -75°    **DEPTH:** 280 feet

**FROM**      **TO**      **DESCRIPTIONS**

0'              107'      TUFF?

A fine grained micaceous, clay, carbonate and carbon rich material, the only variation noted was the presence of a very sticky clay. There are no discernible sedimentary features. Occasional methane would bubble to surface when penetrating this section. Material does not core.

107'            114'      QUARTZ RICH ROUNDED TO SUBROUNDED  
PEBBLES

The very occasional material retrieved was similar, rounded to subrounded, silicified, brecciated and of local volcanic aspect. Much difficulty was encountered in advancing through this section.

114'            151'      TUFF - RHYOLITIC

Fine grained - consistent one type fragments.  
114' - 122': Hematite rich - gritty surface texture suggesting clay present.  
122' - 148': Medium grained quartz brecciated tuff. Pyritic from 133' - 144½', most intense from 136' - 143'.  
148' - 151': Section of green shaded quartz porphyry fragments.

151'            165'      QUARTZ FELDSPAR PORPHYRY

Siliceous - with a light green cast.

165'            172½'      TUFF - RHYLOITIC

Dark gray matrix - up to 5 cm. clasts of quartz porphyry and pumice.

Logged by: John Corley      Hole Number: Rck02      Sheet Number: 21



<u>FROM</u>	<u>TO</u>	<u>DESCRIPTIONS</u>
172½'	178'	QUARTZ BRECCIA  Clay rich and coarse grained. 174': 2 cm. quartz vein at 45° CA.
178'	181'	TUFF - RHYOLITIC  As 165' - 172½'
181'	183'	QUARTZ FELDSPAR PORPHYRY  Siliceous, with light green cast.
183'	186'	BANDED QUARTZ  Gray-green, finely banded quartz 45° - 60°CA. Occasionally gray quartz spherules (to 2 cm.) are stretched out along banding planes. 183½': Distinctly appears to be a fine banded epithermal feature - also noted short section at 184'. Perhaps this is simply a silicification of flow banded rhyolite.
186'	188'	TUFF - RHYOLITIC  As 165' - 172½'.
188'	214½'	HYDROTHERMAL BRECCIA  Dark gray to black fine grained breccia matrix hydraulically disrupting a green shaded quartz eye feldspar porphyry. Very nice jigsaw purple texture developed. 213' - 214½': Breccia matrix % increases.
214½'	220'	QUARTZ BRECCIA  Clay rich and coarse grained. Occasional remnants of fine grained tuff.

Logged by: Ohlberg Hole Number: Dcho2 Sheet Number: 2

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTIONS</u>
220'	222½'	TUFF - RHYOLITIC  Dark gray matrix - as 165' - 172½'.
222½'	227½'	MAFIC DIKE: LAMPROPHYRE?  Silicified, porphyritic and of light gray colour. Fine grained matrix. 226½': Prominent orange-red hematite veining.
227½'	243'	HYDROTHERMAL BRECCIA  Dark gray to black fine grained breccia matrix with clasts mainly of quartz feldspar porphyry together with minor dike fragments. 234' - 235': Pyrite to 5%.
243'	243½'	CARBONACEOUS RICH CLAY  Minor fine grained tuff fragments noted. Robust methane escape for several minutes while passing through this interval.
243½'	248½'	QUARTZ BRECCIA  A gritty, coarse grained breccia supported by clay matrix.
248½'	280'	HYDROTHERMAL BRECCIA  Dark gray to black matrix bounds clasts of feldspar porphyry (some flow banded) and a dominant mafic dike rock. Breccia is of a coarse gravelly surface texture where clay rich - other sections are intensely silicified, portions which reflect a dark gray cast. 248½' - 249': White quartz vein stockwork. 263' - 266': White quartz vein stockwork.  E.O.H.

Logged by: CMC Hole Number: 1202 Sheet Number: 3

FROM

TO

DESCRIPTIONS

CALCITE: 0' - 107': Strongly calcareous.  
117' - 137½': Generally calcareous  
except for minor sections.  
144' - 145': Calcareous.  
173': Short section is calcareous.  
222' - 224½': Calcareous.  
248' - 249': Calcareous.  
263' - 267': Calcareous.  
273½' - 280': Calcareous.

MAGNETICS:

No obvious response.

Logged by:

Andy Corby

Hole Number:

R202 Sheet Number: 4

FROM                      TO                                      DESCRIPTIONS

**RAT CREEK 2 ASSAY INTERVAL NUMBERS**

114'	118'	21937
118'	122'	21938
122'	127½'	053898
127½'	133'	053899
133'	138'	053900
138'	143'	053901
143'	145'	053902
145'	148'	053903
172½'	178'	053904
183'	186'	053905
198½'	203½'	053908
214½'	220'	053909
222½'	227½'	053910
243½'	248½'	053911
248½'	253½'	053912
253½'	258½'	053913
258½'	263½'	053914
263½'	268½'	053915
268½'	273½'	053916
273½'	280'	053917

Logged by: Devin Corley Hole Number: 72602 Sheet Number: 5

**GRID: 11+090.5 E**

**HOLE: RCK-03**

**COORDINATES: 9+382N**

**BEARING: 110°**

**ANGLE: -75°**

**DEPTH: 284 FEET**

**FROM**

**TO**

**DESCRIPTIONS**

0'

112'

TUFF?  
As in RCK - 02.

112'

117½'

QUARTZ RICH ROUNDED TO SUBROUNDED  
PEBBLES

The very occasional material retrieved was all similar, rounded to subrounded, silicified, brecciated and of local volcanic aspect. Very difficult in advancing through this section.

117½'

158'

HYDROTHERMAL BRECCIA

Composed of variable clasts:

- A) Qtz. eye rhyolite porphyry
- B) Fine grained qtz. breccia
- C) Gray-brown rhyolite tuff
- D) Altered mafic porphyry dike?

Clasts vary from several centimetres to as much as several feet, an example being approx. 2 ft. of dike rock starting at 121 ½' and a 4 ft. section of gray qtz. Breccia (142'-146'). The latter may not be a clast - but a form of vein breccia. Breccia matrix is dark grey to black, fine grained and incorporating various clasts to 1 cm. It was in essence the fluid initiating hydraulic fracture - incorporating traversed material. Silicification is general - though certain fragments are more intensely replaced, exemplified well at 151' - where a flow banded rhyolite porphyry clast (8 cm) is an example of such.

Logged by Cathy Lewis Hole Number: Rck03 Sheet Number: 1

FROM

TO

DESCRIPTIONS

151 1/2': Amethyst veining and replacement.

Carbon section:

130' - 132'

140' - 141'

150' - 150 1/2'

Pyritization:

1-2% - with certain clasts preferred.

Core recovery: 100% - except 142' - 145' at 35%.

158'            159 1/2'

MASSIVE CARBON

Most likely a degraded pyrobitumen.

159 1/2'        165'

HYDROTHERMAL BRECCIA -CLAY RICH

Medium grained carbon and clay rich. Has a qtz. granular surface texture due to the presence of clay.

165'            183 1/2'

QUARTZ BRECCIA

Tan to white clay rich massive, fine grained quartz breccia.

Most quartz is of a light blue cast when wet.

Pyrite: 1-2%

Veining: 172 1/2' - 25° CA

177' - 45° CA

Subtle, thin qtz. veinlets occur throughout the section - many broken up but the vein trend still obvious.

182 1/2' - 183 1/2': Carbonaceous material to 50% pervades breccia matrix.

183 1/2'        186'

MASSIVE CARBON

As 158' - 159 1/2': Core recovery 25%.

Logged by: Orin C. Grogan

Hole Number: P2103 Sheet Number: 2

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTIONS</u>												
186'	192'	<p>HYDROTHERMAL BRECCIA</p> <p>Quartz eye rhyolite porphyry is cut by a fine grained brecciating matrix. This matrix material makes up approx. 10% of the section - occurring as narrow fracture fillings and occasional blow-outs. The section is very siliceous with at times visible but subdued fine quartz replacement. The porphyry is of a green cast, with at times a foliation that may be due to relict flow banding. Pyrite to 2% together with widespread carbon particles.</p>												
192'	227'	<p>QUARTZ EYE RHYOLITE PORPHYRY</p> <p>192' - 204': Very siliceous - essentially as described in section 186' - 192', only has not been hydrothermally brecciated.</p> <p>204' - 227': The original porphyry texture is almost totally destroyed by quartz replacement, much of it of a dark gray cast. The foliation noted at 186' - 192' is also absent - occasional appearances of what may be breccia clasts. Notable is the presence of dark gray quartz spherules - up to 2½ cm. in diameter. These rounded features preferentially host pyrite. Coming free under drill pressure - these marble like spheroids create a drilling problem, with extreme wear on drill bits. Recovery is also made difficult.</p> <p>Core recovery:</p> <table> <tr> <td>204' - 206'</td> <td>- 50%</td> </tr> <tr> <td>206' - 208'</td> <td>- 30%</td> </tr> <tr> <td>208' - 210'</td> <td>- 50%</td> </tr> <tr> <td>217½' - 220'</td> <td>- 65%</td> </tr> <tr> <td>223' - 226'</td> <td>- 14%</td> </tr> <tr> <td>227' - 228'</td> <td>- 50%</td> </tr> </table>	204' - 206'	- 50%	206' - 208'	- 30%	208' - 210'	- 50%	217½' - 220'	- 65%	223' - 226'	- 14%	227' - 228'	- 50%
204' - 206'	- 50%													
206' - 208'	- 30%													
208' - 210'	- 50%													
217½' - 220'	- 65%													
223' - 226'	- 14%													
227' - 228'	- 50%													
227'	228'	<p>HYDROTHERMAL BRECCIA - CLAY RICH</p> <p>As 159½' - 165½'.</p>												

Logged by: John Corby Hole Number: Rehuj Sheet Number: 3

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTIONS</u>
228'	231'	<p>SILICIFIED QUARTZ BRECCIA (HEMATITE)</p> <p>Variable shaped quartz clasts to 1 cm. A notable mottled colour equally of orange-red and light green throughout the entire section. Appears the colour is within quartz - though at times note the orange-red streaked by drill bit. Upper contact with breccia distinct at 80°C. Vein?</p>
231'	248½'	<p>QUARTZ BRECCIA</p> <p>Section is variably green to dark gray throughout. Abundant dark gray quartz replacements of spheroidal form to 2½ cm. are present. I suggest these are a form of subsurface accretionary lapilli formed within a fluidizing medium. Somewhat distinct from that noted from 204' - 207' - these spheroidal forms consist of a central qtz. eye porphyry crystal surrounded by what appears to be a silicified rock flour of porphyry ground mass. They carry significantly more sulphides than the surrounding quartz breccia mass. Subtle quartz replacement features noted throughout with at times thin vein quartz.</p> <p>237½': Angular carbonaceous fragment incorporated within breccia.</p>
248½'	284'	<p>HYDROTHERMAL BRECCIA</p> <p>Composed of variable clasts:</p> <ul style="list-style-type: none"> <li>a) Quartz eye rhyolite porphyry (some flow banded)</li> <li>b) Fine grained rhyolite tuff (minor).</li> <li>c) Mafic porphyry dike (altered).</li> </ul> <p>Clasts outside the finer grained brecciating matrix vary from ½" - &gt;1 foot.</p> <p>This hydrothermal breccia is distinct in that the brecciating medium is composed almost entirely of finely fragmented quartz rhyolite porphyry. Silicification is of a light gray cast and intense throughout with no clay rich sections which result in a broken up, rough surface texture.</p>

Logged by: John Corby Hole Number: DC203 Sheet Number: 4



FROM

TO

DESCRIPTIONS

Vein quartz to 1 cm.: 260½' at 45°C.A.

266' at 80°C.A.

269½' at 80°C.A.

Carbon section:

277' - 279' - 1 foot of which is 100% carbon.

E.O.H.

CALCITE: 152' - 193' - a generally positive response throughout - better on new fracture.

227' - 231' - minor thin qtz. carbonate veinlets.

Note; The above intervals are anomalously calcareous.

Throughout this hole it is possible to obtain isolated responses related to carbonate blebs or fractures.

MAGNETICS: No obvious response.

Logged by:

Ben Collins

Hole Number:

2203

Sheet Number:

5

FROM

TO

DESCRIPTIONS

**RAT CREEK 3 ASSAY INTERVAL NUMBERS**

117½'	122½'	053918
122½'	127½'	053919
127½'	132½'	053920
132½'	137½'	053921
137½'	142'	053922
142'	146'	053923
146'	151'	053924
151'	156'	053925
156'	159½'	053926
159½'	165'	053927
165'	170'	053928
170'	175'	053929
175'	179½'	053930
179½'	183½'	053931
186'	192'	053932
192'	197'	053933
197'	200'	053934
200'	204'	053935
204'	209'	053936

Logged by Ohm (Q) (v) Hole Number: 17c12 03 Sheet Number: 6

FROM

TO

DESCRIPTIONS

**RAT CREEK 3 ASSAY INTERVAL NUMBERS - Continued**

209'	214'	053937
214'	219'	053938
219'	223'	053939
223'	228'	053940
228'	231'	053941
231'	236'	053942
236'	241'	053943
241'	244'	053944
244'	248½'	053945
248½'	253½'	053946
253½'	258½'	053947
258½'	264'	053948
264'	269'	053949
269'	274'	053950
274'	279'	053951
279'	284'	053952

Logged by: Oliver Corley Hole Number: 20103 Sheet Number: 7

## **APPENDIX 2**

### **DIAMOND DRILL HOLE CROSS SECTIONS**

9 + 465 N

11 + 140 E

D.D.H. RCK 1-2006

PLAN

CROSS SECTION

TO RAT CREEK

112' 93 13 20

QUARTZ RICH PEBBLES (SEE LOGS) E.O.H.  
TUFF? FINE GRAINED—MICACEOUS, CLAY AND  
CARBON RICH MATERIAL.  
(SEE TEXT + LOGS)

SCALE: 1:500



9+350 N

D.D.H. RCK 02

PLAN

9+350N SECTION

FINE GRAINED-MICACEOUS  
CLAY AND CARBON RICH

TUFF? (SEE TEXT + LOGS)

QUARTZ RICH PEBBLES (SEE LOGS)

RHYOLITE TUFF

QFP

RHYOLITE TUFF

QUARTZ BRECCIA

QFP

RHYOLITE TUFF

RHYOLITE TUFF  
BANDED QUARTZ

HYDROTHERMAL BRECCIA

QUARTZ BRECCIA

RHYOLITE TUFF

MAFIC DIKE

HYDROTHERMAL BRECCIA

QUARTZ BRECCIA

1/2 (METHANE) CARBONACEOUS  
RICH CLAY

HYDROTHERMAL BRECCIA

280ft

SCALE: 1:500

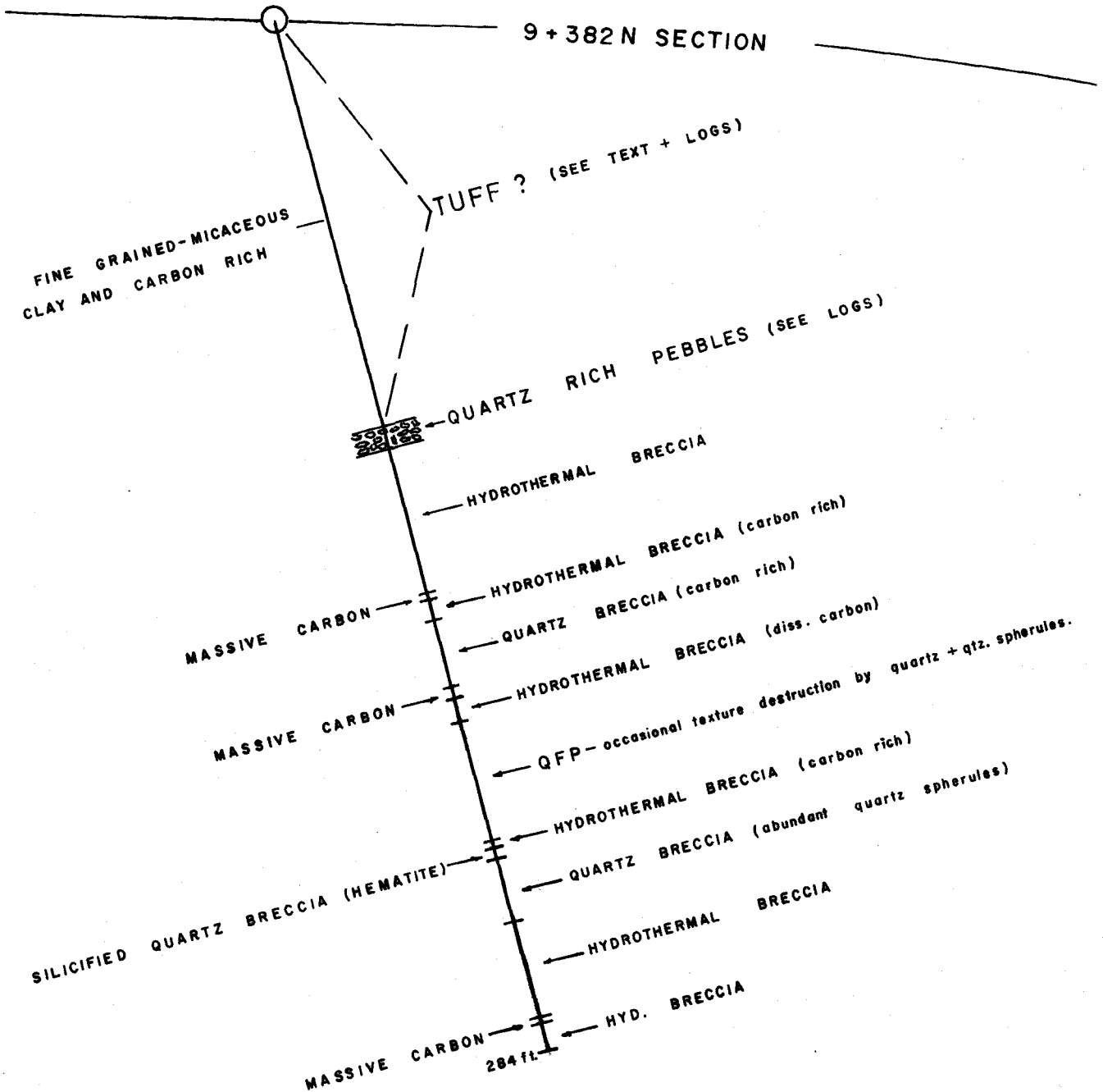
9 + 382 N

11+090.5 E

D.D.H. RCK 03



PLAN



## **APPENDIX 3**

### **ANALYTICAL RESULTS**



**RAT CREEK GRABS**

**MICACEOUS, CLAY, CARBONATE**

**and CARBON RICH MATERIAL**



**CERTIFICATE OF ANALYSIS VA06103609**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
21939		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
		0.56	0.006	0.66	1.56	19.9	<0.2	<10	970	0.79	0.27	3.82	2.55	39.50	12.7	30

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).



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215 ALSEK RD  
WHITEHORSE YT Y1A 4T1

Total # Pages: 2 (A - D)  
Finalized Date: 13-NOV-2006  
Account: TFI

CERTIFICATE OF ANALYSIS VA06103609

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
21939		1.86	54.2	2.84	4.41	0.10	0.18	0.11	0.033	0.31	20.4	16.2	1.12	530	6.58	0.05

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).





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Total # Pages: 2 (A - D)  
Finalized Date: 01-NOV-2006  
Account: TFI

CERTIFICATE OF ANALYSIS VA06103609

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
21939		0.53	53.3	1290	20.0	18.5	0.006	0.13	3.07	4.7	4.9	0.6	153.0	<0.01	0.06	7.4

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).



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213 ALSEN RD  
WHITEHORSE YT Y1A 4T1

Total # Pages: 2 (A - D)  
Finalized Date: 3-NOV-2006  
Account: TFI

**CERTIFICATE OF ANALYSIS VA06103609**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
21939		0.025	0.19	3.92	70	1.05	12.35	315	8.2

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).

**RAT CREEK D.D.H. NO. 2**



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CARLOS, ALLEN  
275 ALSEK RD  
WHITEHORSE YT Y1A 4T1

Page: 1  
Finalized Date: 13-SEP-2006  
This copy reported on 14-SEP-2006  
Account: TFI

## CERTIFICATE VA06074430

Project:

P.O. No.:

This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on 21-JUL-2006.

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-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

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

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:

Keith Rogers, Executive Manager Vancouver Laboratory





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WHITEHORSE YT Y1A 4T1

Total # Pages: 2 (A - D)  
Finalized Date } -NOV-2006  
Account: TFI

**CERTIFICATE OF ANALYSIS VA06103609**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA24	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
21937		1.22	<0.005	0.19	0.75	1.9	<0.2	<10	540	1.88	0.07	3.26	0.12	76.50	6.5	2
21938		1.46	<0.005	0.08	0.66	1.5	<0.2	<10	680	2.19	0.14	3.50	0.14	75.20	7.8	3

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).





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WHITEHORSE YT Y1A 4T1

Total # Pages: 2 (A - D)

Finalized Date 3-NOV-2006

Account: TFI

CERTIFICATE OF ANALYSIS VA06103609

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
21937		2.88	10.7	3.61	2.49	0.12	0.13	0.06	0.026	0.33	39.5	2.5	0.56	869	0.76	0.10
21938		2.77	2.9	3.63	2.17	0.12	0.14	0.07	0.023	0.31	40.5	2.6	0.75	1025	0.56	0.12

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).



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WHITEHORSE YT Y1A 4T1

Finalized Date: 13-NOV-2006  
 Account: TFI

**CERTIFICATE OF ANALYSIS VA06103609**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
21937		0.20	1.9	2040	19.1	20.2	<0.001	0.05	0.31	5.1	0.4	0.6	299.0	<0.01	0.02	6.9
21938		0.19	2.3	1970	20.7	18.9	<0.001	0.05	0.31	4.9	0.5	0.5	328.0	<0.01	0.02	6.6

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).



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Total # Pages: 2 (A - D)  
 Finalized Date: 13-NOV-2006  
 Account: TFI

**CERTIFICATE OF ANALYSIS VA06103609**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
21937		0.051	0.09	1.58	69	0.53	14.10	48	5.3
21938		0.048	0.08	1.78	66	0.40	15.05	60	5.9

Comments: Gold determinations by ME-MS41 are semi-quantitative due to the small sample weight used (0.5g).



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Page: 2 - A  
Total # Pages: 2 (A - D)  
Finalized Date: 13-SEP-2006  
Account: TFI

## CERTIFICATE OF ANALYSIS VA06074430

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA24	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.005	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
B053898		1.50	<0.005	0.29	0.65	1.4	<10	1410	2.62	1.59	4.94	0.43	53.10	17.6	28	3.58
B053899		1.58	<0.005	0.20	0.73	1.3	<10	810	2.85	0.21	3.47	0.41	65.10	9.0	2	3.26
B053900		1.24	0.105	5.70	0.87	285.0	<10	180	4.40	0.12	3.71	0.28	46.40	24.2	23	3.05
B053901		1.30	0.080	1.38	1.06	271.0	<10	170	5.60	0.09	3.54	0.19	47.10	29.1	30	3.66
B053902		0.70	0.051	0.23	0.94	67.4	<10	240	5.04	0.05	5.46	0.18	55.10	25.1	13	3.97
B053903		0.74	0.011	0.16	0.72	25.4	<10	150	3.62	0.21	2.56	0.23	67.40	18.1	35	2.26
B053904		1.92	0.005	0.16	0.95	40.4	<10	190	5.29	0.07	4.88	0.20	70.20	29.5	48	2.44
B053905		1.12	0.019	0.21	0.50	12.5	<10	100	2.45	0.67	0.53	0.28	99.40	1.1	3	1.34
B053908		1.72	0.026	0.18	0.49	21.6	<10	70	2.08	0.63	0.79	0.27	139.00	0.9	3	0.83
B053909		1.76	0.007	0.09	0.37	6.9	<10	100	1.54	0.12	0.42	0.14	123.50	1.1	2	1.19
B053910		1.60	0.026	0.16	0.86	35.7	<10	240	5.92	0.02	3.82	0.08	51.00	37.8	35	3.38
B053911		2.02	0.017	0.17	0.89	53.5	<10	210	3.59	0.80	3.18	0.14	44.10	28.8	41	2.58
B053912		1.90	0.020	0.22	0.76	72.7	<10	170	3.13	0.90	2.32	0.22	52.00	23.5	30	2.41
B053913		1.72	0.106	0.15	0.62	53.4	<10	150	2.41	0.30	1.56	0.22	62.00	11.2	19	2.33
B053914		1.54	0.023	0.15	0.59	57.2	<10	140	2.64	0.31	1.20	0.21	60.20	14.4	23	2.27
B053915		1.92	0.035	0.22	0.61	55.8	<10	160	2.36	1.11	3.58	0.11	48.80	24.9	58	2.19
B053916		1.20	0.021	0.74	0.64	12.5	<10	160	2.93	0.85	1.81	0.16	35.50	9.6	10	2.50
B053917		1.60	0.011	0.32	0.55	19.0	<10	160	3.27	1.03	2.05	0.20	58.60	8.5	10	2.47





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## CERTIFICATE OF ANALYSIS VA06074430

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
B053898		20.8	4.50	2.22	0.10	0.12	0.14	0.045	0.30	28.4	11.1	1.31	1330	1.09	0.13	<0.05
B053899		15.8	3.87	2.31	0.11	0.14	0.08	0.035	0.37	34.6	5.2	0.65	1410	5.81	0.17	0.05
B053900		16.9	6.01	2.80	0.11	0.12	0.15	0.058	0.41	21.5	8.8	1.72	1005	3.21	0.16	<0.05
B053901		6.5	6.08	3.22	0.13	0.11	0.21	0.055	0.46	20.5	20.1	1.96	869	0.36	0.19	<0.05
B053902		20.0	6.36	2.58	0.12	0.08	1.39	0.066	0.36	27.1	7.6	2.80	1320	2.55	0.25	0.06
B053903		13.9	4.92	2.51	0.12	0.15	0.06	0.078	0.33	31.0	6.7	1.26	1035	2.35	0.15	0.05
B053904		18.0	7.02	3.40	0.15	0.08	0.03	0.081	0.37	31.5	7.9	2.12	1350	1.43	0.17	<0.05
B053905		6.9	1.03	2.46	0.11	0.68	0.14	0.089	0.25	44.5	3.1	0.21	205	6.39	0.10	2.04
B053908		5.0	0.97	2.92	0.13	0.56	0.05	0.069	0.34	66.4	2.9	0.06	228	5.40	0.07	3.15
B053909		5.2	0.75	1.90	0.12	0.69	0.03	0.055	0.24	44.8	2.1	0.10	140	2.20	0.06	2.18
B053910		23.8	6.91	3.14	0.13	0.09	0.03	0.070	0.36	23.6	9.9	2.68	1290	2.22	0.18	0.07
B053911		8.4	7.66	3.43	0.14	0.07	0.04	0.093	0.35	19.5	8.7	2.42	1545	1.55	0.19	0.06
B053912		20.8	5.74	2.76	0.11	0.11	0.05	0.092	0.34	24.3	6.3	1.43	973	2.17	0.16	0.08
B053913		8.4	2.92	2.14	0.10	0.13	0.04	0.069	0.31	30.5	4.7	0.73	559	3.20	0.14	0.08
B053914		11.5	3.56	2.16	0.11	0.16	0.06	0.074	0.31	29.0	4.8	0.77	587	2.99	0.12	0.10
B053915		11.6	4.89	1.97	0.11	0.26	0.19	0.047	0.26	23.0	5.2	1.68	990	1.58	0.15	0.11
B053916		16.6	3.09	2.00	0.07	0.25	0.07	0.054	0.32	15.1	4.1	0.63	688	2.87	0.13	0.22
B053917		11.5	2.94	1.93	0.10	0.24	0.06	0.076	0.31	27.1	3.6	0.49	658	4.63	0.11	0.12





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## CERTIFICATE OF ANALYSIS VA06074430

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.02	0.005
B053898		16.2	1540	64.4	18.2	0.001	0.07	0.35	6.1	0.7	0.4	427.0	0.01	0.10	4.8	<0.005
B053899		3.0	1390	36.8	19.5	<0.001	0.05	0.11	4.3	0.4	0.5	330.0	<0.01	0.07	6.3	<0.005
B053900		31.0	2120	21.4	28.5	0.001	1.88	1.91	6.9	0.9	0.6	363.0	0.01	0.05	3.0	<0.005
B053901		35.9	3000	13.8	34.2	<0.001	2.38	2.74	8.3	1.0	0.4	353.0	0.01	0.03	2.2	<0.005
B053902		28.1	2230	8.1	24.1	<0.001	0.49	1.94	8.3	0.4	0.5	317.0	<0.01	0.03	3.5	<0.005
B053903		19.6	1310	20.3	21.8	0.001	0.10	0.34	6.6	0.8	0.9	144.0	0.01	0.03	5.8	<0.005
B053904		29.7	3290	9.6	22.6	0.001	0.10	0.51	10.1	0.7	0.6	260.0	0.01	0.02	3.0	<0.005
B053905		2.1	50	54.6	21.7	0.001	0.06	0.27	1.1	0.8	2.9	47.6	0.02	0.01	29.7	<0.005
B053908		1.3	50	41.4	33.7	<0.001	0.11	0.35	1.2	0.8	2.4	49.9	0.02	0.02	22.6	<0.005
B053909		1.8	60	42.7	18.4	0.001	0.04	0.18	1.0	0.8	1.1	42.4	0.02	0.01	25.9	<0.005
B053910		45.1	1880	7.3	21.8	<0.001	0.24	0.40	16.2	0.6	0.3	239.0	0.01	0.01	1.5	<0.005
B053911		27.6	2760	6.5	21.3	0.001	0.10	0.36	8.2	0.6	0.7	187.5	0.01	0.02	1.5	<0.005
B053912		29.3	1350	17.6	22.7	0.001	0.05	0.65	7.8	0.7	1.1	145.5	0.01	0.02	4.1	<0.005
B053913		15.9	450	22.7	21.7	<0.001	0.11	0.50	4.2	0.5	0.8	103.0	0.01	0.01	4.6	<0.005
B053914		22.2	570	28.4	24.1	<0.001	0.12	0.53	5.3	0.5	0.9	89.6	0.01	0.01	5.4	<0.005
B053915		49.1	1130	14.9	17.2	0.001	0.14	0.73	8.6	0.7	0.5	183.0	0.01	0.02	9.5	<0.005
B053916		8.6	930	28.0	21.6	<0.001	0.04	0.25	5.6	0.5	1.1	107.0	0.01	0.02	9.0	<0.005
B053917		9.8	460	27.9	20.9	0.001	0.08	0.29	3.8	0.5	1.0	154.0	0.01	0.01	8.5	<0.005





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## CERTIFICATE OF ANALYSIS VA06074430

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
B053898		0.09	1.05	45	0.14	27.40	120	3.2
B053899		0.14	1.62	36	0.18	18.95	91	4.6
B053900		0.23	0.46	32	14.45	28.70	109	3.4
B053901		0.34	0.18	27	1.23	32.20	99	2.3
B053902		0.56	0.42	39	0.21	19.95	71	2.8
B053903		0.15	0.85	48	0.23	32.70	109	4.1
B053904		0.15	0.25	92	0.24	33.30	113	1.9
B053905		0.17	11.15	2	0.50	44.40	99	12.1
B053908		0.21	8.66	2	0.45	44.50	84	10.7
B053909		0.15	6.95	1	0.27	44.60	64	11.9
B053910		0.14	0.90	70	0.52	36.00	100	3.8
B053911		0.12	0.21	92	0.14	26.10	119	1.7
B053912		0.12	0.67	55	0.13	29.70	119	2.9
B053913		0.12	0.62	20	0.23	22.20	104	4.0
B053914		0.15	0.79	25	0.19	23.80	122	3.8
B053915		0.10	2.19	66	0.40	32.70	134	5.0
B053916		0.14	2.16	42	4.68	18.35	78	5.2
B053917		0.13	1.64	19	0.29	23.30	95	6.9

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## CERTIFICATE VA06077720

Project:

P.O. No.:

This report is for 35 Rock samples submitted to our lab in Vancouver, BC, Canada on 8-AUG-2006.

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-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	50 element aqua regia ICP-MS	
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Au-AA24	Au 50g FA AA finish	AAS

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:

Keith Rogers, Executive Manager Vancouver Laboratory



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## CERTIFICATE OF ANALYSIS VA06077720

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA24	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.005	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
B053918		1.16	<0.005	17.75	0.55	13.9	<10	80	3.88	0.10	2.89	0.31	31.90	19.6	24	2.16
B053919		1.06	<0.005	>100	0.77	9.7	<10	110	6.00	0.05	3.18	0.15	35.40	26.7	20	2.68
B053920		1.32	<0.005	0.64	0.64	7.3	<10	140	4.80	0.22	1.65	0.33	23.90	10.0	11	3.91
B053921		1.94	<0.005	0.48	0.55	7.0	<10	100	3.27	0.23	2.94	0.22	41.10	11.1	17	1.99
B053922		1.24	<0.005	0.20	0.51	5.8	<10	90	2.79	0.17	2.31	0.22	33.10	11.9	19	1.88
B053923		0.40	<0.005	0.20	0.77	40.6	<10	120	4.21	0.03	6.63	0.15	25.30	25.7	47	2.56
B053924		1.60	<0.005	0.12	0.62	10.1	<10	110	3.32	0.21	1.97	0.22	38.30	15.5	18	2.09
B053925		1.68	0.005	0.11	0.32	8.2	<10	90	2.51	0.20	2.36	0.20	48.40	9.4	13	1.87
B053926		1.30	<0.005	0.11	0.61	10.2	<10	110	3.99	0.19	3.75	0.29	36.60	12.7	18	2.67
B053927		1.26	<0.005	0.11	0.57	11.5	<10	130	3.73	0.16	2.83	0.15	32.50	12.0	22	2.69
B053928		1.66	<0.005	0.07	0.85	18.9	<10	150	4.52	0.02	4.84	0.23	46.70	25.5	69	4.01
B053929		1.80	<0.005	0.08	0.85	17.7	<10	140	4.04	0.02	4.78	0.21	47.70	25.6	69	2.15
B053930		1.36	<0.005	0.08	0.74	18.2	<10	160	4.56	0.02	4.98	0.16	52.60	25.7	68	2.37
B053931		1.02	<0.005	0.10	0.77	20.3	<10	160	4.60	0.06	4.05	0.21	51.80	22.3	57	2.57
B053932		1.96	0.011	0.21	0.51	11.2	<10	110	1.95	0.69	0.42	0.24	144.00	1.0	3	1.80
B053933		0.88	0.008	0.19	0.63	8.7	<10	80	1.80	0.55	0.26	0.16	137.00	0.6	2	1.65
B053934		1.00	0.016	0.20	0.80	21.3	<10	70	1.85	0.71	0.38	0.13	141.00	0.2	1	1.35
B053935		0.36	0.005	0.41	1.11	5.1	<10	70	2.31	0.66	0.41	0.10	141.50	0.3	1	3.66
B053936		0.44	0.028	0.25	0.86	49.8	<10	60	1.71	0.50	0.51	0.53	122.00	0.3	3	2.36
B053937		0.92	0.101	0.85	1.04	188.0	<10	50	2.04	0.55	0.44	0.22	127.00	0.2	2	1.52
B053938		0.76	0.071	0.22	0.96	127.5	<10	50	1.58	0.52	0.41	0.10	134.50	0.2	2	1.41
B053939		0.76	0.078	0.92	1.02	158.5	<10	60	2.02	0.58	0.59	0.13	127.50	0.5	3	2.38
B053940		0.36	0.013	0.36	0.56	26.3	<10	90	2.20	0.43	2.18	0.26	113.00	6.0	9	1.78
B053941		0.66	<0.005	0.03	0.38	4.2	<10	70	1.16	0.02	0.72	0.03	43.70	4.9	5	1.62
B053942		1.70	0.076	0.59	1.00	88.9	<10	110	2.18	0.39	1.55	0.32	99.10	7.7	19	2.49
B053943		1.74	0.068	0.22	0.57	79.8	<10	110	1.35	0.20	1.14	0.23	101.50	4.6	9	1.99
B053944		0.92	0.210	0.14	0.67	171.0	<10	80	1.21	0.25	0.32	0.20	117.00	0.5	3	2.53
B053945		1.58	0.130	0.14	0.97	134.5	<10	70	1.26	0.32	0.70	0.20	128.50	0.5	2	1.88
B053946		1.84	<0.005	0.08	0.77	10.1	<10	110	1.64	0.15	2.34	0.14	96.70	9.0	18	1.81
B053947		1.84	0.005	0.10	0.61	18.2	<10	120	3.00	0.19	2.69	0.20	84.70	21.4	30	2.29
B053948		1.96	0.005	0.08	0.42	11.8	<10	100	1.92	0.18	3.32	0.25	100.50	11.1	17	1.61
B053949		2.38	<0.005	0.08	0.52	8.8	<10	110	2.34	0.15	4.25	0.16	83.30	19.0	23	1.60
B053950		1.70	<0.005	0.09	0.47	7.9	<10	120	2.21	0.23	3.21	0.16	68.90	15.8	23	1.83
B053951		1.84	<0.005	0.15	0.54	5.1	<10	120	2.19	0.47	2.59	0.35	63.10	20.3	26	1.91
B053952		1.28	<0.005	0.19	0.55	5.2	<10	120	2.72	0.90	3.01	0.18	64.50	24.9	31	2.29





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## CERTIFICATE OF ANALYSIS VA06077720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
B053918		102.0	5.04	1.94	0.08	0.13	0.10	0.060	0.24	13.6	4.2	1.32	808	1.99	0.06	<0.05
B053919		193.0	6.39	2.16	0.10	0.09	0.20	0.060	0.31	15.5	6.4	1.67	968	1.71	0.09	<0.05
B053920		18.5	2.73	1.77	0.06	0.10	0.03	0.041	0.34	10.6	4.1	0.73	653	4.03	0.10	<0.05
B053921		13.9	3.76	1.91	0.08	0.12	0.04	0.078	0.25	19.0	4.9	1.03	852	2.91	0.11	<0.05
B053922		11.7	3.69	1.88	0.07	0.13	0.05	0.062	0.25	14.3	4.2	1.06	705	2.32	0.10	0.05
B053923		23.4	5.82	2.19	0.10	0.06	0.03	0.062	0.29	10.5	11.8	3.06	937	0.70	0.14	<0.05
B053924		18.4	4.06	2.24	0.08	0.13	0.04	0.068	0.29	17.1	4.3	1.01	643	4.17	0.11	<0.05
B053925		12.0	3.50	1.30	0.09	0.12	0.03	0.088	0.16	20.4	3.5	0.93	635	2.30	0.09	0.07
B053926		8.0	4.28	2.05	0.08	0.11	0.04	0.067	0.27	16.4	6.1	1.47	1175	7.02	0.11	<0.05
B053927		9.5	3.97	1.89	0.07	0.10	0.03	0.065	0.25	14.4	6.8	1.13	781	2.26	0.12	<0.05
B053928		15.9	6.78	3.24	0.13	0.10	0.02	0.074	0.32	20.2	10.7	2.44	1060	0.82	0.16	<0.05
B053929		17.5	6.65	3.25	0.09	0.10	0.05	0.071	0.33	19.4	7.6	2.40	1180	0.44	0.16	<0.05
B053930		15.4	6.64	2.66	0.11	0.11	0.06	0.074	0.28	21.9	7.7	2.45	1180	0.47	0.16	<0.05
B053931		17.5	6.09	2.72	0.11	0.12	0.05	0.074	0.30	22.1	7.9	2.00	982	1.21	0.15	<0.05
B053932		5.3	1.12	2.76	0.12	0.41	0.05	0.092	0.27	65.9	4.8	0.11	207	6.85	0.10	2.23
B053933		3.6	0.89	3.56	0.11	0.58	0.13	0.066	0.35	62.5	9.5	0.08	178	5.38	0.09	3.51
B053934		3.9	0.76	4.38	0.12	0.98	0.30	0.065	0.43	65.0	10.2	0.06	161	6.28	0.07	5.00
B053935		2.8	0.70	5.81	0.12	1.29	0.25	0.061	0.55	63.8	14.1	0.08	153	6.78	0.07	7.64
B053936		4.1	0.72	4.48	0.11	1.04	0.38	0.064	0.44	54.4	9.3	0.06	168	6.65	0.05	5.88
B053937		6.7	0.66	6.05	0.12	1.34	0.68	0.069	0.53	57.2	9.0	0.03	66	12.85	0.03	10.35
B053938		5.7	0.62	5.89	0.17	1.34	0.75	0.068	0.51	58.3	8.8	0.03	61	11.55	0.03	8.88
B053939		5.0	0.79	5.65	0.13	1.31	0.43	0.072	0.53	57.7	9.2	0.06	109	7.84	0.04	7.93
B053940		11.6	2.25	2.79	0.13	0.40	0.11	0.066	0.30	51.2	7.1	0.62	522	5.46	0.08	1.42
B053941		1.9	2.47	1.32	0.06	0.06	0.26	0.011	0.20	24.8	2.7	0.46	461	0.56	0.08	0.15
B053942		13.5	2.50	4.66	0.10	0.82	0.07	0.067	0.49	44.8	8.4	0.65	391	6.65	0.10	1.92
B053943		6.9	1.83	2.47	0.10	0.53	0.04	0.064	0.28	44.9	4.4	0.53	343	10.85	0.11	1.35
B053944		4.1	0.84	3.04	0.11	1.06	0.05	0.059	0.34	53.1	5.6	0.07	48	7.75	0.07	5.24
B053945		4.0	0.99	4.79	0.13	1.51	0.05	0.084	0.47	58.1	4.0	0.16	112	6.71	0.07	7.45
B053946		10.9	3.35	3.18	0.10	0.24	0.02	0.071	0.33	43.9	3.7	0.93	563	1.93	0.12	0.36
B053947		28.3	4.95	2.83	0.13	0.16	0.04	0.081	0.28	37.7	5.3	1.27	797	2.04	0.13	0.14
B053948		8.4	3.39	1.74	0.10	0.26	0.03	0.085	0.21	48.0	3.6	1.33	644	2.84	0.10	0.17
B053949		14.7	4.62	2.19	0.11	0.20	0.03	0.072	0.24	38.2	4.4	1.79	942	1.75	0.12	0.09
B053950		14.7	4.65	1.72	0.10	0.17	0.02	0.064	0.23	32.2	4.2	1.53	916	1.85	0.13	0.07
B053951		17.9	4.31	2.03	0.10	0.15	0.03	0.056	0.27	29.2	4.8	1.36	761	2.73	0.12	<0.05
B053952		14.9	5.59	2.34	0.11	0.17	0.05	0.077	0.25	29.0	6.3	1.74	1040	1.40	0.14	0.06





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## CERTIFICATE OF ANALYSIS VA06077720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.01	0.01	0.2	0.005	
B053918		45.0	1190	26.2	15.8	<0.001	0.10	0.50	7.0	0.2	0.6	129.5	0.01	<0.01	3.2	<0.005
B053919		33.0	1440	11.3	20.0	<0.001	0.21	0.48	12.2	0.3	0.4	166.5	0.01	<0.01	2.7	<0.005
B053920		18.9	1260	20.8	27.0	<0.001	0.04	0.51	3.9	0.3	0.5	97.0	<0.01	<0.01	3.5	<0.005
B053921		18.4	780	23.8	17.5	<0.001	0.04	0.41	4.7	0.3	1.0	125.5	0.01	<0.01	4.5	<0.005
B053922		18.7	660	19.2	16.8	<0.001	0.06	0.37	5.3	<0.2	0.8	101.5	<0.01	<0.01	5.5	<0.005
B053923		37.3	1440	8.6	19.9	<0.001	0.09	0.90	11.5	<0.2	0.5	259.0	0.01	<0.01	1.3	<0.005
B053924		22.9	1160	21.1	20.1	<0.001	0.03	0.47	5.1	0.3	0.9	96.2	<0.01	<0.01	5.4	<0.005
B053925		14.9	700	27.7	11.5	<0.001	0.02	0.29	3.8	0.5	0.8	104.5	<0.01	<0.01	5.8	<0.005
B053926		18.9	1100	19.3	19.9	<0.001	<0.01	0.37	6.1	0.3	0.7	168.0	0.01	0.01	3.8	<0.005
B053927		17.4	1020	17.6	18.7	<0.001	<0.01	0.17	5.2	0.4	0.8	153.0	0.01	<0.01	4.0	<0.005
B053928		25.3	2470	11.0	24.2	<0.001	<0.01	0.31	11.7	0.3	0.8	239.0	0.01	<0.01	2.4	<0.005
B053929		25.6	2640	7.9	24.7	<0.001	<0.01	0.36	12.0	0.2	0.6	240.0	0.01	<0.01	2.6	<0.005
B053930		25.1	2640	5.7	20.4	<0.001	<0.01	0.47	12.6	0.3	0.6	250.0	0.01	<0.01	2.6	<0.005
B053931		23.1	2170	9.3	22.6	<0.001	<0.01	0.35	12.7	0.2	0.8	213.0	0.01	<0.01	3.5	<0.005
B053932		2.0	70	52.1	29.4	<0.001	<0.01	0.31	1.4	0.5	2.8	57.7	0.02	<0.01	25.7	<0.005
B053933		1.3	30	50.4	52.4	<0.001	<0.01	0.25	0.9	0.4	3.5	33.6	0.02	<0.01	30.3	<0.005
B053934		0.7	10	54.4	63.7	<0.001	0.04	0.38	0.7	0.6	4.3	32.5	0.02	<0.01	34.5	<0.005
B053935		0.7	20	54.3	81.1	<0.001	<0.01	0.58	0.9	0.3	5.5	27.8	0.02	<0.01	35.9	<0.005
B053936		0.9	10	49.8	61.1	<0.001	0.06	0.72	0.8	0.5	4.2	35.1	0.02	<0.01	29.3	<0.005
B053937		0.8	10	50.0	76.6	<0.001	0.26	1.93	0.8	0.8	4.4	22.3	0.02	<0.01	29.0	<0.005
B053938		0.6	<10	43.3	74.7	0.001	0.23	0.97	1.2	2.3	4.2	18.9	0.03	0.01	23.8	<0.005
B053939		1.3	30	49.7	75.4	<0.001	0.25	1.50	1.0	0.6	4.9	31.1	0.02	<0.01	29.6	<0.005
B053940		9.9	470	35.4	36.2	<0.001	<0.01	0.54	3.7	0.5	1.9	116.5	0.02	<0.01	19.0	<0.005
B053941		3.3	370	2.4	16.6	<0.001	<0.01	0.14	4.0	<0.2	0.3	42.4	<0.01	<0.01	13.5	<0.005
B053942		12.2	560	37.7	57.9	<0.001	0.19	0.67	4.5	0.5	2.7	77.0	0.02	<0.01	21.6	<0.005
B053943		7.6	300	45.1	24.4	<0.001	0.13	1.02	2.3	0.7	1.5	68.5	0.02	0.01	24.6	<0.005
B053944		1.8	10	52.4	35.9	<0.001	0.47	0.74	0.7	0.9	2.2	39.2	0.02	0.01	31.0	<0.005
B053945		1.4	10	54.1	50.3	<0.001	0.37	0.54	1.0	0.8	3.7	40.3	0.02	<0.01	34.2	<0.005
B053946		14.1	650	20.3	23.3	<0.001	<0.01	0.17	4.0	0.2	1.6	97.3	0.01	<0.01	7.4	<0.005
B053947		32.2	1310	15.6	21.5	<0.001	<0.01	0.38	8.7	0.2	0.9	119.0	0.01	<0.01	4.1	<0.005
B053948		13.2	880	22.9	15.4	<0.001	0.05	0.25	3.6	0.8	0.9	129.0	0.01	0.01	9.9	<0.005
B053949		21.6	1150	16.4	16.3	<0.001	0.06	0.24	5.6	0.8	0.9	182.5	0.01	<0.01	5.0	<0.005
B053950		18.0	1210	15.7	15.5	<0.001	0.10	0.28	5.0	0.7	0.6	136.5	0.01	0.01	4.1	<0.005
B053951		25.7	1170	15.6	18.3	<0.001	0.08	0.24	5.9	0.7	0.6	124.0	0.01	0.01	4.6	<0.005
B053952		27.6	1720	13.0	16.5	<0.001	0.02	0.18	6.9	0.8	0.8	163.0	0.01	0.01	3.3	<0.005





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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Ag-AA46
		Ti	U	V	W	Y	Zn	Zr	Ag
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	1
B053918		0.09	0.71	43	67.70	22.80	126	3.7	
B053919		0.12	0.56	41	137.00	26.80	98	3.0	124
B053920		0.13	0.66	22	1.08	17.45	92	3.5	
B053921		0.10	0.63	30	0.74	23.70	94	3.6	
B053922		0.08	0.75	37	0.59	19.75	83	3.6	
B053923		0.12	0.26	100	0.40	23.20	84	1.8	
B053924		0.11	0.74	34	0.49	21.80	101	3.7	
B053925		0.07	0.56	25	0.24	20.20	90	3.1	
B053926		0.09	0.50	40	0.22	26.20	96	2.8	
B053927		0.08	0.58	35	0.23	24.00	83	3.0	
B053928		0.11	0.21	83	0.19	31.90	104	3.2	
B053929		0.10	0.29	83	0.20	34.40	107	3.4	
B053930		0.09	0.27	83	0.28	36.00	100	3.3	
B053931		0.10	0.41	73	0.26	35.30	97	3.3	
B053932		0.17	8.11	2	0.45	42.70	88	9.0	
B053933		0.27	9.20	1	0.81	53.60	76	11.6	
B053934		0.31	10.45	<1	1.12	58.60	74	19.8	
B053935		0.36	12.55	1	2.05	63.10	56	25.5	
B053936		0.30	8.99	1	1.56	59.00	106	20.6	
B053937		0.42	11.55	<1	3.44	60.50	70	24.5	
B053938		0.44	8.35	<1	1.77	65.80	74	24.8	
B053939		0.35	10.50	1	4.40	63.40	76	25.2	
B053940		0.19	5.52	16	2.43	45.50	89	9.6	
B053941		0.07	0.69	18	0.15	10.20	49	1.7	
B053942		0.29	6.59	21	5.73	47.60	82	18.9	
B053943		0.17	7.22	12	1.68	43.60	87	12.8	
B053944		0.20	11.60	<1	0.70	53.00	83	23.6	
B053945		0.25	12.35	1	0.75	55.40	86	29.1	
B053946		0.10	0.79	28	0.13	28.00	82	6.5	
B053947		0.10	0.62	46	0.18	29.10	105	5.0	
B053948		0.09	1.71	35	0.14	33.20	92	5.5	
B053949		0.09	1.04	54	0.16	32.50	91	4.9	
B053950		0.08	0.60	50	0.16	26.00	94	4.1	
B053951		0.10	0.70	50	0.15	25.40	99	4.0	
B053952		0.08	0.57	55	0.14	28.90	103	4.6	