

**AURCHEM EXPLORATION LTD.
26 LIARD ROAD
WHITEHORSE, YUKON TERRITORY
Y1A 3L4**

DISCOVERY CREEK PROJECT

**EXPLORATION REPORT FOR 2002
GEOLOGICAL, GEOCHEMICAL AND TRENCHING**

ON THE

**VIC 7, 9, 29 & 30
MINERAL CLAIMS**

In The

WHITEHORSE MINING DISTRICT

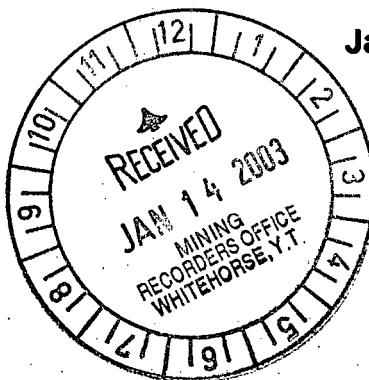
YUKON TERRITORY

NTS 115 I/3

Latitude 62°09' N Longitude 137°10' W

R. Stroshein, P. Eng.

January 11, 2003



094400

Costs associated with this report have been
approved in the amount of \$ 13,000.00
for assessment credit under Certificate of
Work No. QW 27576

M. S. Southwick

Mining Recorder
Whitehorse Mining District

TABLE OF CONTENTS

	Page
1.0 SUMMARY	1
2.0 INTRODUCTION	1
2.1 Location and Access	1
2.2 Property Description	1
3.0 HISTORY	4
4.0 GEOLOGY	4
5.0 METALLOGENY AND MINERALIZATION	6
6.0 CURRENT WORK PROGRAM	8
7.0 RESULTS OF CURRENT EXPLORATION	8
8.0 CONCLUSIONS AND RECOMMENDATIONS	8
9.0 SUMMARY OF EXPENDITURES	10
10.0 REFERENCES	11

LIST OF FIGURES

Figure 1 Location Map	2
Figure 2 Claim Map	3
Figure 3 Geology and Mineral Occurrences Mount Nansen Area	4
Figure 4 Vic Claims Location Map	7
Figure 5 Trench(T - 1 - T - 7) Location Map	9

APPENDIX 1	STATEMENT OF QUALIFICATIONS
APPENDIX 2	LIST OF CLAIMS AND MINERAL LEASES
APPENDIX 3	FIELD DESCRIPTIONS AND TRENCH LOGS
APPENDIX 4	ASSAY RESULTS-ALS CHEMEX LABORATORIES

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1.0 SUMMARY

The Vic claims are located in the Mount Nansen area of Central Yukon northwest of Mount Victoria. The claims are part of the Discovery Creek Project owned by Aurchem Exploration Ltd. The property encompasses a significant number of gold-silver mineralized occurrences. Exploration including; geochemical soil sampling, geological mapping, ground and airborne geophysical surveys, trenching, and diamond drilling has been carried out on five identified mineralized occurrences on the property.

A program of excavator trenching was carried out on the Vic 7 and Vic 9 claims in 2002. Three excavator trenches were completed in a previously exposed area on the West Zone between section 17 E and 18 E. Four trenches excavated in 1986 that had sloughed were cleared out. Drill hole intersections in the area reportedly intersected discontinuous gold-quartz veins. Gold mineralization occurs in an east-west striking quartz-vein zone that appears to dip south.

Trenches (T-1 to T-7) between sections 17 E and 18 E exposed a clay altered and network of quartz-limonite veining associated with the contact of feldspar porphyry and hornblende syenite. A grab sample of vein material graded 5.01 and 2.2 g/t gold and silver respectively. The dyke intrudes weathered, altered and brecciated syenite. Rusty weathering, clay-rich quartz-limonite zones within the syenite averaged up to 2.55 g/t gold over 5.4 meters that included 8.53 g/t gold over 1.1 meters in trench T-1. A broad low-grade gold zone accompanies the quartz-vein zone in T-3 that averaged 0.387 g/t gold across 31.3 meters.

2.0 INTRODUCTION

The exploration program carried out in 2002 was designed to test an area of veining and clay altered breccia zones within a massive, equigranular, medium grained syenite and feldspar porphyry dykes. Drill and trench results at the West Zone had indicated a mineralized but discontinuous quartz vein system. The area was chosen for examination because historic records did not report if low-grade mineralization occurred in the wall rock surrounding the veins.

A high-grade vein intersected in drill hole 86-06 assayed 35.8 g/t gold over 0.4 meters. Low detection and multi-element analytical methods to analyze the samples were chosen to better characterize the mineralization and test for low-grade mineralization.

2.1 Property Location and Access

The Vic claims (Latitude: 62° 09' N, Longitude: 137° 10' W) are located approximately 75 kilometres by road west of Carmacks in South Central Yukon Territory. Figure 1.

The property is accessible by a gravel road from Carmacks and within the property a network of roads and trails provides access to all of the workings and showings on the claims. Minor road repairs were completed on the Vic 29 and 30 claims while the excavator was being mobilized to the trenching area.

2.2 Property Description

The Discovery Creek project that includes the Vic claims consists of 351 quartz mineral claims and 7 mineral leases. The outline of the property is shown in Figure 2. The detailed listing of claims and expiry dates are included in Appendix 2.

Figure 1. Location Map

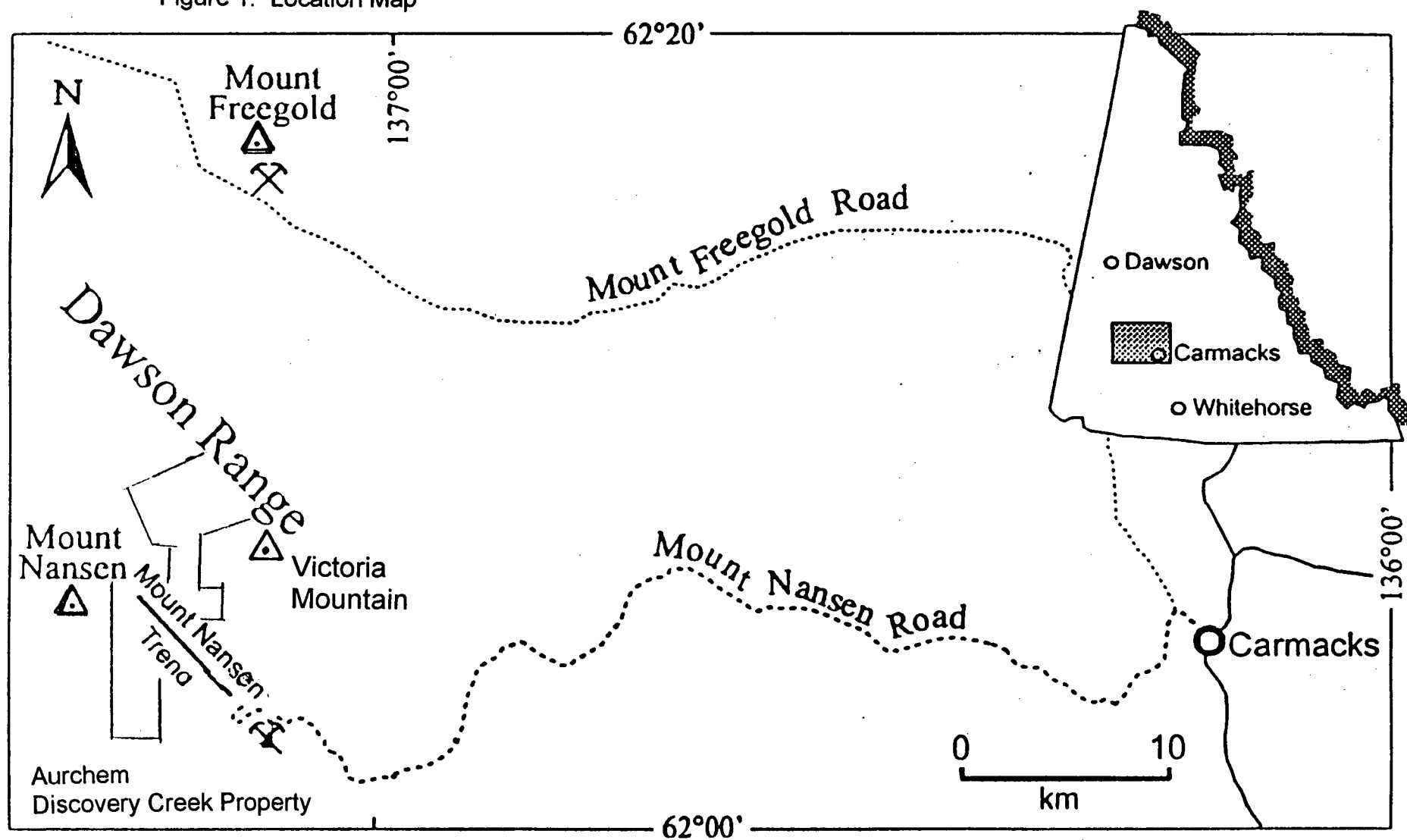
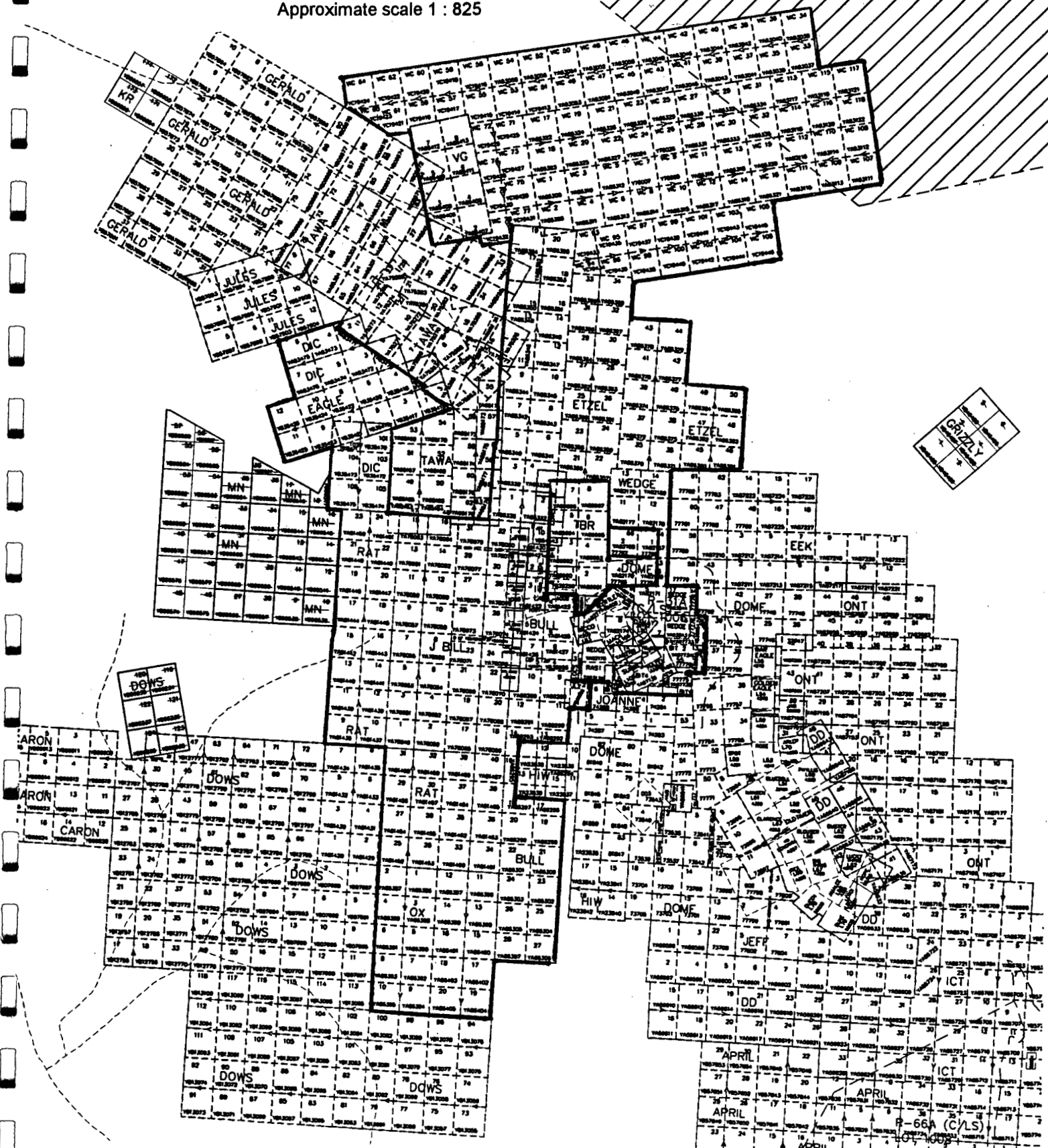


Figure 2. Claim Map from NTS sheet 11513

Aurchem Exploration Ltd.
Outline of Discovery Creek Project

Approximate scale 1 : 825



3.0 HISTORY

Placer gold was discovered on Nansen Creek in 1899. Placer mining has been carried out intermittently on the creeks in the area since 1910. Lode gold was discovered at the nearby Brown-McDade deposit in 1943 that led to the discovery of numerous other deposits in the district. Figure 3.

From 1946 to 1975 several corporate groups undertook mining and development of the Brown-McDade, Webber and Huestis deposits in the southern portion of the district. Gold recoveries were poor but confirmed the presence of high-grade gold-silver deposits in the district.

During the 1970's exploration for porphyry copper-molybdenum centred on the Mount Nansen Porphyry complex in the central portion of the property. Widespread drilling confirmed the presence of a large low-grade porphyry mineralized system in the headwaters of Nansen, Victoria Creeks and their tributaries.

Exploration resumed in the 1980's that ultimately lead to the development of an open pit mining operation on the Brown-McDade deposit. The operation produced approximately 37,500 ounces of gold and 142,000 ounces of silver between 1996 and 1999. Other exploration companies were active during this period exploring the claims that now comprise the Aurchem Exploration Discovery Creek Project. The exploration activity included soil geochemical sampling, ground geophysics, trenching and diamond drilling.

The Vic claims were originally staked in 1948 by G. Dickson following the discovery of high-grade gold-quartz float at the headwaters of Iron Creek and along the adjoining ridge to the south. Exploration was carried out on the property beginning in 1958. A total of five mineralized zones along the ridge south of Iron Creek have been located. Asbestos Corp optioned the property in 1978 and carried trenching and drilled 8 holes totaling 122 meters. In 1965 Peso Silver carried out a trenching program. Soil sampling was carried out in 1968 by Associated Geological Services. Skyline Exploration Ltd. carried out trenching and a bulk sampling program in 1974. Kerr Addison optioned the property in 1985. The company established a grid and carried out mapping and sampling. In 1986 Kerr Addison completed magnetometer, VLF-EM, SP and resistivity surveys. The also carried out backhoe trenching and drilled 19 diamond drill holes totaling 1594 meters. Chesbar Resources Inc. explored the property in 1987 and 1988 drilling a total of 21 diamond drill holes totaling 2372 meters.

Aurchem Exploration Ltd. carried out a program of limited prospecting, mapping and geochemical sampling on the Vic claims in 2001.

4.0 GEOLOGY

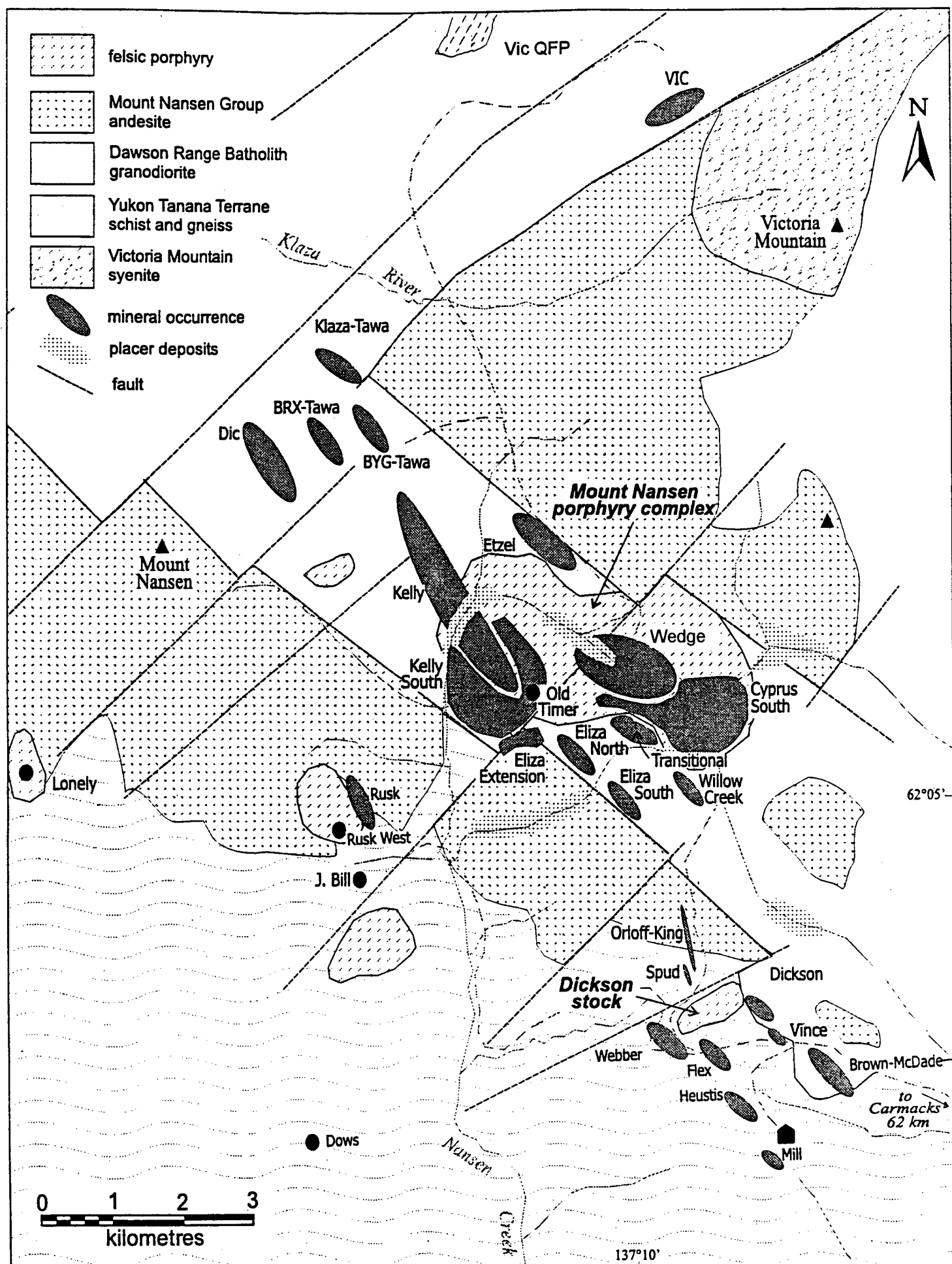
The Discovery Creek gold-silver property is located in the Dawson Range of the Yukon Tanana Terrane. The Dawson Range is underlain by Early Mississippian metamorphic rocks intruded by several plutonic suites (Carlson, 1987). Figure 3.

The metamorphic rocks are separated into two suites, meta-sedimentary and meta-igneous. Micaceous quartz-feldspar gneiss, schist, and quartzite of the Nasina assemblage form the meta-sedimentary rock suite. The meta-igneous package includes biotite-hornblende feldspar gneiss and coarse-grained granodiorite orthogneiss with lesser amphibolite.

The metamorphic rocks are intruded by two plutonic suites. The Upper Triassic to Jurassic Klotassin Suite is composed of foliated hornblende-biotite granodiorite. The second suite is the Jurassic aged Big Creek Suite that is composed of foliated feldspar porphyritic syenite, quartz syenite and monzonite.

The metamorphic and foliated plutonic rocks are intruded by Mid Cretaceous felsic plutonic rocks of the Coffee Creek Plutonic Suite and capped by the coeval mafic to intermediate volcanic flow and tuff rocks of the Mount Nansen Volcanic suite (Johnston and Mortensen, 1994). Genetically related sub-volcanic feldspar porphyry dikes and plugs intrude all rock types (Sawyer and Dickinson, 1976).

Figure 3. Geology Map with Mineral Occurrences in the Mount Nansen District



The Late Cretaceous Carmacks Volcanic Suite, although lacking in the immediate Mount Nansen area is voluminous in the region where relatively flat lying pyroclastic tuffs and flow units form prominent ridges capping the basement rocks (Carlson, 1987). The Carmacks Volcanic Suite is magmatically related to the Prospector Mountain Plutonic Suite (Johnston and Mortensen, 1994).

Mineralized structures on the Mount Nansen property consist of fault-shear-hosted veins and associated clay-rich and bleached alteration zones (Figure 3). The vein zones range from narrow, simple quartz veins to complex, anastomosing and braided systems that crosscut all rock types. They trend northwest to north-northwest, and are generally steeply dipping across a two kilometre wide corridor called the Mount Nansen Trend. The Mount Nansen Trend is sub-parallel to the Big Creek Fault, an apparent control to mineralization in the Dawson Range (Carlson, 1987; Hart, Langdon, 1997). The structures are interpreted as dilational fracture systems peripheral to the Middle Cretaceous porphyry intrusive bodies.

Geochronological studies indicate that the U-Pb dating gives a time of 109 Ma for porphyry intrusive bodies that are interpreted as coinciding with the main mineralizing event in the district. (V. Meyers, B.Sc. thesis).

The Mount Nansen area was beyond the limit of the most recent continental glaciation although earlier incursions moved up the valley bottoms. Weathering extends to depths of up to 75 metres below surface which is accompanied by leaching and oxidation in the mineralized zones, and sulphides are commonly altering to limonite or other oxides (Melling, 1995).

5.0 METALLOGENY AND MINERALIZATION

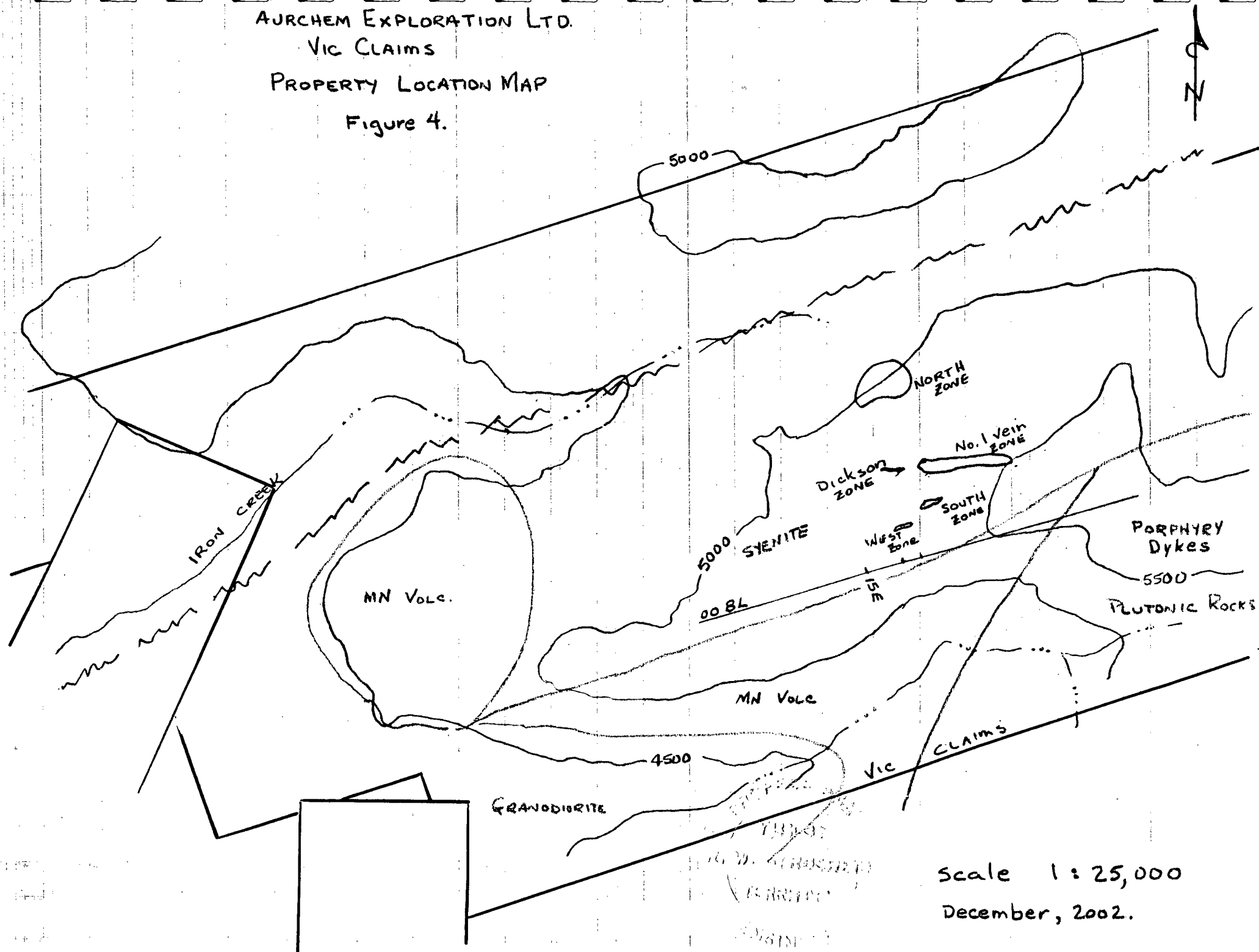
The exploration target on the property is the epithermal low sulphidation type gold deposit. In the model, circulating hydrothermal fluids deposit gold in the near surface (low pressure and low temperature) environment. The gold ore occurs as thin to large veins, stockworks, disseminations and replacements. Common ore textures are open space filling, crustification, colloform banding, coxcomb structure and brecciation. The fluids enter the near surface environment along faults, breccia zones or contact zones.

Gold mineralization on the property occurs in quartz veins hosted in altered syenite porphyry or associated with the contact of felsic porphyry dykes and the syenite intrusive. The quartz veins are grey to white and have variable widths (3 cm to 2 m) with pinch and swell characteristics. The veins generally strike east-west and dip steeply to the south. Alteration of the host rocks in the mineralized zones consists of propylitic, argillic, phyllic and silicic alteration assemblages. The propylitic alteration has a regional distribution and includes a mineral assemblage of chlorite, calcite, epidote, albite and magnetite. The argillic mineral assemblage includes various clay minerals with kaolinite and montmorillonite the most characteristic. The phyllic alteration zone enclosing the gold mineralization consists of a mineral assemblage of quartz, sericite, pyrite, kaolinite and the absence of mafic minerals. The silicic alteration assemblage is most closely associated with the gold mineralization and is characterized by intense silicification and quartz veins or stringer stockwork.

Near surface weathering includes oxidation of sulphides that produces limonite, hematite and pyrolusite especially along fractures.

Five mineralized zones have been identified on the Vic claims, see figure 4. (1). The Dickson Zone was last explored in 1988 with trenching. A narrow vein of 3 – 5 centimeters thickness yielded high-grade gold values of 8.2 g/t to 52.9 g/t gold along a 35-meter strike length. (2). The Number One Vein Zone has a 250-meter strike length. The vein width varies from 0.5 to 1.0 meters with high-grade gold values up to 101.1 g/t gold. Drill results were less positive but the vein was intersected at depth. (3). The West Zone consists of a poorly defined quartz vein in syenite with moderate- to high-grade gold values up to 35.8 g/t gold. (4). The North Zone was defined by the discovery of high-grade gold in quartz float on surface. Trenching and drilling led to the conclusion that the source of the float was upslope from the Number One Vein Zone, Dickson Zone and the West Zone. (5). The South Zone was tested with a number of drill holes with gold grades of 10.9 g/t in a quartz vein of 0.4 meters thickness. Further exploration was recommended for all zones except the North Zone.

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VIC CLAIMS
PROPERTY LOCATION MAP
Figure 4.



6.0 CURRENT WORK PROGRAM

The Vic property trench locations were examined on July 11. Figure 5. Four earlier trenches on the West Zone (excavated in 1986) between sections 17 E and 18 E had sloughed and were cleared out (T-1, T-2, T-6 and T-7). A previously stripped area was explored with three trenches two were sub-parallel to the original trenches and an additional trench crossing the grid sub-parallel to the inferred vein trend (T-3, T-4 and T-5). The trenching was completed on July 14.

The trenches were mapped and sampled July 13 – 17 and August 24 - 29. Structural measurements were recorded and a map subsequently prepared. A total of 204 (88, phase 1 and 122, phase 2) rock samples were collected to characterize the mineralization and enclosing alteration. The sample descriptions and trench logs are included in Appendix 3. The samples were analyzed for gold plus a 32-element suite of metals and trace elements and submitted to ALS Chemex Laboratories in Vancouver. The analytical results are included in Appendix 4.

7.0 RESULTS OF CURRENT EXPLORATION

The host rocks for the South quartz-vein zone on the Vic claims are brecciated hornblende syenite that has locally been intruded by felsic porphyritic dykes. The South quartz-vein zone is an alteration zone centered on an linear easterly trending mineralized zone of quartz-limonite veining within a broad clay-altered system.

The quartz-vein zone has been exposed in trenches T- 1, T- 2 and T-3 over a strike length of 40 meters. The zone averaged 2.55 g/t across 5.4 meters in T-1, 1.13 g/t gold across 6.6 meters in T-2 and 2.13 g/t gold across 3.0 meters in T-3. Very low-grade gold values occur in the clay-rich alteration zone flanking the quartz-vein zone in trenches T- 3, T- 4 and T- 5. Gold assays averaged 0.387 g/t gold over 31.3 meters including the quartz-vein zone in T-3. Two-ten meter wide zones averaged 0.057 and 0.125 g/t gold in T-4. A 24.2 meter wide zone in T-5 averaged 0.87 g/t gold and a second zone averaged 0.121 g/t gold across 8 meters. A weakly mineralized zone in T- 7 averaged 0.218 g/t gold across 10.5 meters with the highest grade interval assaying 0.965 g/t gold.

See appendix 3 for gold assay averages.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Gold-silver mineralization occurs in quartz-limonite veins and clay alteration zones in feldspar porphyry dykes and in clay-rich shear zones hosted by altered and brecciated syenite. Gold-silver values of up to 8.53 g/t gold were returned from the South quartz-vein zone. A large low grade halo is associated with the quartz-vein zone that averaged 0.387 g/t gold across 31.3 meters.

Further trenching and diamond drilling is recommended to test the extent of the mineralized shear zone.

The relative high intensity of drilling in the South zone area has provided abundant detailed information that requires re-interpretation to locate the potential for the extension of the mineralized zone. The trench drill hole data should be compiled in a combined database for re-evaluation. Computerization of the data is the most efficient method for compiling such a large database.

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Figure 5

VIC CLAIMS
TRENCH LOCATION MAP
JULY, 2002

T-4
Trench 2002,
SAMPLE SEQUENCE

T6010

53080

6000

1.0m - 0.97 Au g/t

150 N

LINE 17E

53081

T-7

Pre-existing
TRENCHES

53201
86-06
86-07
53056
3.0m - 2.13 Au g/t
53051
T-4
53116
1.5m - 2.61 Au g/t
86-10
53169
T-3
53134
T-5

6.6m -
1.13 Au
g/t

53045

5.4m - 2.55
Au g/t

53162

53151

53046

T-2

53022

T-1

LINE 18E

5m

scale 1:500

Pre-existing
TRENCHES

9.0 SUMMARY OF EXPENDITURES

The exploration fieldwork was carried out between July 11 and October 3. Target evaluation and preparation of results was completed between February and December and reports prepared. The following summary of expenses is for the expenses incurred prior to the anniversary date of August 15, 2002.

Vic 7 claim – research, trenching, geological mapping, sampling and compilation during 2002.

Excavator Trenching - Donjeck Services No. 241863	14 hrs @ \$ 135.00	\$ 1,890.00
Field mapping and sampling D. Heon	3 days @ \$ 400 /day	1,200.00
Assaying – ALS Chemex Inv. No 1003-090	44 samps @ \$ 27.25 ea.	1,199.00
Camp, travel, shipping and supplies		604.25
Mob back hoe Donjeck Services Inv. No. 241863	1/3 of ½ costs	283.33
Research, shipping and compiling. R. Stroshein	2 days @ \$ 400.00	900.00
Sub – Total		<u>\$ 5,976.58</u>

Vic 9 claim – trenching, geological mapping, sampling and compilation during 2002.

Excavator Trenching - Donjeck Services No. 241863	14 hrs @ \$ 135.00	\$ 1,890.00
Field mapping and sampling D. Heon	3 days @ \$ 400 /day	1,200.00
Assaying – ALS Chemex Inv. No. 1003 – 090	44 samples @ \$ 28.13 ea.	1,199.00
Camp, travel and supplies		604.25
Mob back hoe Donjeck Services Inv. No. 241863	1/3 of ½ costs	283.33
Freight - Byers Transport – Invoice No. 2431214		78.45
Shipping and compiling results R. Stroshein	2 days @ \$ 400.00	800.00
Sub – Total		<u>\$ 5,976.58</u>

Vic 30 and 31 claim – road repairs.

Excavator Trenching – Donjeck Services Inv. No. 241863	12.5 hrs @ \$ 135/hr	\$ 1,687.50
Mob back hoe Donjeck Services Inv. No. 241863	1/3 of ½ costs	283.33
Sub – Total		<u>\$ 1,970.83</u>

Grand Total **\$13,923.99**

Expenses August 24 to August 29

Geological Mapping D. Heon	6 days @ \$ 400 per day	\$ 2,400.00
Sampling W. Thompson	6 days @ \$ 200 per day	1,200.00
Assay ALS Chemex Inv. No. 1004 – 722		3,335.04
Camp, travel and supplies		1,366.93
Sub – Total		<u>\$ 8,302.97</u>

10.0 REFERENCES

Carlson, G.G., 1987. Geology of Mount Nansen (115-I/3) and Stoddart Creek (115-I/6) Map Areas, Dawson Range, Central Yukon. Indian and Northern Affairs Canada, Northern Affairs: Yukon Region Open File 1987-2.

Eaton, W.D., and Archer, A.R., 1989. Report on the Geology and Mineral Inventory of the Mt. Nansen and Tawa Properties, Yukon Territory; with Assessment of the Economic Potential for Open Pit Mining of Oxidized Mineralization in the Brown-McDade Zone. Unpublished company report, BYG Natural Resources Inc. and Chevron Minerals Ltd.

Hart, Craig J.R. and Langdon, Mark, 1997. Geology and mineral deposits of the Mount Nansen camp, Yukon. Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Yukon Indian and Northern Affairs Canada, p. 129 - 138.

Johnston, Stephen, T., and Mortensen, James, K., 1994. Regional Setting of Porphyry Cu-Mo Deposits, Volcanogenic Massive-Sulphide Deposits, and Mesothermal Gold deposits in the Yukon-Tanana Terrane, Yukon. In Yukon Metallogeny: Recent Developments, p. 30 -34.

Melling, David, R., 1995. Summary Report: 1995 Exploration Program, Mt. Nansen Gold Project, Carmacks, Yukon Territory. Unpublished company report, BYG Natural Resources Inc.

Meyers, V., 1997. Geology and Mineralization of the Flex Deposit, Mount Nansen, Yukon Territory. B.Sc. Thesis at the University of British Columbia, in progress.

Sawyer, J.P.B., and Dickinson, R.A., 1976. Mount Nansen, Porphyry Copper and Copper-Molybdenum Deposits of the Calc-Alkaline Suite, Paper 34. In Porphyry Deposits of the Canadian Cordillera. CIM Special Volume 15, p. 336 - 343.

APPENDIX 1

STATEMENT OF QUALIFICATIONS

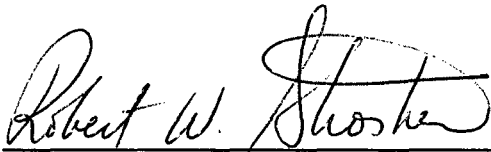
ROBERT W. STROSHEIN P.ENG.

I, Robert W. Stroshein of the City of Whitehorse, Yukon Territory, hereby certify that:

1. I am a Professional Engineer registered (No. 1165) as a member of the Association of Professional Engineers of Yukon Territory.
2. I graduated from the University of Saskatchewan at Saskatoon, Saskatchewan in 1973 with a Bachelor of Science Degree in Geological Engineering.
3. I have been actively engaged as an Exploration Geologist in the Mineral Industry in Western Canada since graduation.
4. I have planned, supervised and reported on the exploration on the Aurchem Explortaion Ltd. Vic claims during 2002.
5. My business and residential address is:

26 Liard Road
Whitehorse, Yukon Territory
Y1A 3L4

Signed,



Robert W. Stroshein, P.Eng.

January 11, 2003

Aurchem Exploration Ltd.
Discovery Creek Project
Claims Listing

Whitehorse Mining District
Claim sheet: 115 I/03

Claim Name & Nbr.		Grant Number	Expiry Date	Claims	Status
Bit 1	YA	7733	01-Dec-10	1	
Bit 2	YA	7734	01-Dec-09	1	
Bit 3	YA	7735	01-Dec-05	1	
Bit 4	YA	7736	01-Dec-02	1	
Bit 5	YA	7737	01-Dec-10	1	
Bull 1 - 8	YA	81420 - 81427	01-Dec-14	8	
Bull 9 - 10	YA	86288 - 86289	01-Dec-13	2	
Bull 11	YA	86290	28-Feb-11	1	
Bull 12 - 14	YA	86291 - 86293	28-Feb-15	3	
Bull 15 - 20	YA	86294 - 86299	28-Feb-14	6	
Bull 21 - 24	YA	86300 - 86303	28-Feb-09	4	
Bull 25 - 28	YA	86304 - 86307	28-Feb-07	4	
Courtland		55836	27-Nov-19	1	Lease
D 1 - 4	YB	57373 - 57376	20-Jan-03	4	Applied
Dic 1 - 7	YA	93470 - 93476	11-Dec-06	7	
Dic 101 - 106	YB	35470 - 35475	17-Jan-07	6	
Eagle 1 - 12	YB	35415 - 35426	15-Jan-05	12	
Etzel 1 - 3	YA	86336 - 86338	18-Dec-09	3	
Etzel 4	YA	86399	18-Dec-05	1	Applied
Etzel 5	YA	86340	18-Dec-09	1	
Etzel 6	YA	86341	18-Dec-05	1	Applied
Etzel 7	YA	86342	18-Dec-09	1	
Etzel 8	YA	86343	18-Dec-05	1	Applied
Etzel 9	YA	86344	18-Dec-09	1	
Etzel 10	YA	86345	18-Dec-05	1	Applied
Etzel 11 - 17	YA	86346 - 86352	18-Dec-09	7	
Etzel 18 - 20	YA	86353 - 86355	18-Dec-10	3	
Etzel 21 - 28	YA	86356 - 86363	18-Dec-09	8	
Etzel 29 - 34	YA	86364 - 86369	18-Dec-10	6	
Etzel 35 - 44	YA	86370 - 86379	18-Dec-07	10	
Etzel 45 - 50	YA	86380 - 86385	18-Dec-06	6	
Hazel Anne		4210	27-Nov-19	1	Lease
Ida May		39192	27-Nov-19	1	Lease
J. Bill # 1 - 2	YA	78049 - 78050	28-Feb-09	2	
J. Bill # 3 - 4	YA	78051 - 78052	28-Feb-10	2	
J. Bill # 5 - 8	YA	78053 - 78056	28-Feb-09	4	
J. Bill # 9 - 24	YA	78057 - 78072	02-Feb-09	16	
J. Bill # 25 - 32	YA	78073 - 78080	28-Feb-09	8	
J.D. 1 - 2	YB	54755 - 54756	05-Dec-03	2	Applied
JBF 1	YB	36259	01-Dec-06	1	
JBF 2 - 3	YB	36954 - 36955	01-Dec-02	2	Applied
JBF 4 - 7	YB	36956 - 36959	01-Dec-06	4	
JBF 10	YB	54543	05-Dec-02	1	Applied
JLZ	YB	36258	01-Dec-05	1	
Jon - Wedge 1 - 6	YB	35895 - 35900	01-Dec-06	6	Applied
LGCS 1	YA	95014	01-Dec-05	1	Applied
LGCS 3	YA	95016	01-Dec-11	1	
Mack		39134	27-Nov-19	1	Lease
MSL	YA	95099	01-Dec-15	1	

Myrtle		55602	27-Nov-19	1	Lease
Ox 1 - 14	YA	86386 - 86399	20-Dec-03	14	Applied
Ox 15 - 20	YA	86400 - 86405	20-Dec-02	6	Applied
Ras 1 - 3	YA	93138 - 93140	01-Dec-15	3	
Ras 4	YA	93141	01-Dec-05	1	
Rat 1 - 8	YA	81428 - 81435	28-Feb-05	8	
Rat 9 - 24	YA	81436 - 81451	28-Feb-10	16	
Rat 25 - 40	YA	81452 - 81467	28-Feb-05	16	
Ricco		4209	27-Nov-19	1	Lease
Sunset		4243	27-Nov-19	1	Lease
VG 1 - 8	YA	86406 - 86413	20-Dec-03	8	
Vic 1 - 2	YA	86308 - 86309	17-Dec-06	2	
Vic 3 - 6	YA	86310 - 86313	17-Dec-05	4	
Vic 7	Y	76007	17-Jul-06	1	
Vic 8	YA	86314	17-Dec-05	1	
Vic 9	Y	76009	17-Jul-05	1	
Vic 10 - 12	YA	86315 - 86317	17-Dec-06	3	
Vic 13 - 16	YA	86318 - 86321	17-Dec-04	4	Pending
Vic 17 - 18	YA	86322 - 86323	17-Dec-06	2	
Vic 19 - 20	YA	86324 - 86325	17-Dec-04	2	
Vic 21	YA	86326	17-Dec-06	1	
Vic 22	YA	86327	17-Dec-05	1	
Vic 23	YA	86328	17-Dec-06	1	
Vic 24	Y	76024	17-Jul-05	1	
Vic 25	YA	86329	17-Dec-06	1	
Vic 26	Y	76026	17-Jul-05	1	
Vic 27 - 28	YA	86330 - 86331	17-Dec-06	2	
Vic 29 - 32	YA	86332 - 86335	17-Dec-04	4	Pending
Vic 33 - 50	YA	93037 - 93054	15-Aug-04	18	Pending
Vic 51	YC	19413	13-Dec-04	1	Pending
Vic 52	YA	93056	15-Aug-04	1	Pending
Vic 53	YC	19414	13-Dec-04	1	Pending
Vic 54	YA	93058	15-Aug-04	1	Pending
Vic 55 - 64	YC	19415 - 19424	13-Dec-04	10	Pending
Vic 71 - 75	YC	19425 - 19429	13-Dec-04	5	Pending
Vic 76 - 78	YC	19430 - 19432	13-Dec-02	3	Applied
Vic 93 - 98	YC	19433 - 19438	13-Dec-02	6	Applied
Vic 99 - 106	YC	19439 - 19446	13-Dec-04	8	Pending
Vic 107 - 118	YA	93111 - 93122	15-Aug-04	12	Pending
Wedge 1 - 4	YA	82167 - 82170	26-Dec-07	4	
Wedge 5 - 7	YA	82171 - 82173	01-Dec-19	3	
Wedge 8 - 10	YA	82174 - 82176	01-Dec-15	3	
Wedge 11 - 13	YA	82177 - 82179	26-Dec-07	3	
Wedge 14	YA	82180	26-Dec-03	1	
Wedge 15	YA	82181	01-Dec-15	1	
Wedge 16 - 17	YA	93843 - 93844	26-Dec-06	2	
Total				358	

AURCHEM EXPLORATION LTD.
DISCOVERY CREEK PROJECT

APPENDIX 3

GEOLOGICAL TRENCH LOGS

2002 EXPLORATION PROGRAM

ON THE

VIC CLAIMS

Trench 1							
	start: 0387221 E, 6892525 N						
	Az: 335 deg						
	length: 36.3m						
	Trench summary: clay-alteration and network of silica-limonite veining at contact between feldspar porphyry and hornblende syenite						
	later? Grey qtz veining						
field no.	lab no	from	to	length	Au g/t	Sample description	Grab samples
V02T1-1	53022	0.0	1.8	1.8	<0.005	rusty gouge of feldspar porphyry, some pods of clay-altered feldspars	
V02T1-2	53023	1.8	3.8	2.0	0.005	dark blocky feldspar porphyry	
V02T1-3	53024	3.8	4.8	1.0	<0.005	rusty and clay-altered gouge w some blocky feldspar porphyry, rusty seams	
V02T1-4	53025	4.8	6.3	1.5	<0.005	rusty and clay-altered gouge w some blocky feldspar porphyry, rusty seams	
V02T1-5	53026	6.3	7.9	1.6	<0.005	blocky feldspar porphyry, w clay altered fspars. Some gruss.	
V02T1-6	53027	7.9	9.2	1.3	<0.005	blocky+ fract. fspar porph. in sharp contact w gruss material containing rusty seams+ dk veinlets	
V02T1-7	53028	9.2	11.2	2.0	<0.005	Blocky, then friable fspar porph w clay-altered fspars and chloritized matrix. Rusty seams.	
V02T1-8	53029	11.2	13.2	2.0	<0.005	oxid.+ clay-alt intr. w many lim-Mn-coated seams+veinlets. Mafics destroyed. One 1 cm qtz vein	53101: <0.005
V02T1-9	53030	13.2	14.0	0.8	<0.005	beige fspar porph w chalky fspars, no mafics. Same fspar porph but altered or different intrusion?	53102: <0.005
V02T1-10	53031	14.0	14.8	0.8	0.012	intensely clay-altered intr cut by mm qtz veinlets, dominant //set, some discordant; end: oxid+frac	53103: <0.005 53104: <0.005
V02T1-11	53032	14.8	16.8	2.0	0.013	rusty, fract. (clay-) alt fspar porph, lim veining w cm-wide alt haloes. Thin qtz veining, Mn on fract.	
V02T1-12	53033	16.8	18.8	2.0	0.009	rusty altered fspar porph w f.g. silicified matrix; lim veinlets // to fract (some discordant)	
V02T1-13	53034	18.8	20.8	2.0	0.009	friable, strongly oxid. fspar porph? with rusty clayey seams; loc gruss. Lim veins + alteration haloes	
V02T1-14	53035	20.8	22.8	2.0	<0.005	oxidized friable intr w rusty limonitic seams, thin qtz veinlets // to trench and one flat qtz vein	
V02T1-15	53036	22.8	23.9	1.1	0.078	intensely veined (1/cm) oxid intr., thin, steep +shallow lim +qtz veinlets, silica flooding	
V02T1-16	53037	23.9	24.8	0.9	<0.005	blocky, oxidized and clay altered intrusion, gruss w lim seams in last 0.3m of sample	
V02T1-17	53038	24.8	25.8	1.0	0.011	(clay) altered intr cut by limonite seams and one qtz vein 4-6 cm wide, 20cm before end of sample	53105: 0.005
V02T1-18	53039	25.8	26.9	1.1	0.221	altered intr w qtz-lim veinlets; thin steep set perp to trench; wider lim haloes and veinlets appear flat	53106: 0.234
V02T1-19	53040	26.9	28.5	1.6	1.680	hard blocky rusty alt intr w very thin (qtz?) fractures and some irregular qtz veinlets or pods	
V02T1-20	53041	28.5	29.6	1.1	8.530	chalky+rusty weath, alt, pervasively fract intr w limonite seams + alt haloes w 5 cm grey qtz vein	
V02T1-21	53042	29.6	30.6	1.0	0.259	hard, white+orange alt intr w mm qtz-lim veinlets for most of sample + cm grey qtz veins over 15cm	
V02T1-22	53043	30.6	32.3	1.7	0.853	hard alt int w thin lim(qtz) veinlets, some flat. At 31m, shistose zone w platy dark rock-silicified?	
V02T1-23	53044	32.3	34.3	2.0	0.013	crumbly gruss of alt intr, (syenite) rusty and purplish steep and flat seams	
V02T1-24	53045	34.3	36.3	2.0	0.011	Gruss of blocky, slightly altered to oxidized hbl syenite, w thin lim-qtz veining	
end of Trench 1 @ 36.3m; 0387201, 6892559							

Aurchem Exploration Ltd.

Vic Claims

Trenching 2002

Appendix 3

Trench 2								
		start: 0387210, 6892519						
		Az: 340 deg						
		length: 43m						
		Trench summary:						
field no.	lab no	from	to	length	Au g/t	Sample description	Grab samples	
V02T2-25	53046	0.0	2.0	2.0	<0.005	chloritized fspar porph w mm qtz veinlets and limonite veinlets. Contact w grussy chl + hem syenite		
V02T2-26	53047	2.0	4.0	2.0	<0.005	oxidized hbl syenite, loc gruss, cut by thin lim veins		
V02T2-27	53048	4.0	6.0	2.0	0.007	altered syenite. Loc hematized w mafics visible; elsewhere, white alt w varying deg of lim veining and alt.		
V02T2-28	53049	6.0	7.0	1.0	0.038	hard " "		
V02T2-29	53050	7.0	9.0	2.0	0.013	altered white orange intr w thin dark lim veinlets (w qtz at core?), w limonitic alteration halo		
V02T2-30	53151	9.0	11.0	2.0	0.009	" ", lt grey green alteration toward end of sample; some fract w softer material		
V02T2-31	53152	11.0	13.0	2.0	0.005	green material (fspar porph?) then white-orange alt intr w numerous lim veinlets w cm alt haloes		
V02T2-32	53153	13.0	15.0	2.0	0.021	alt intr w numerous lim veinlets w cm alt haloes. At end chalky fspar. @13.2, Mn blebs, staining.		
V02T2-33	53154	15.0	17.6	2.6	<0.005	rusty gruss , porphyritic		
V02T2-34	53155	17.6	20.0	2.4	<0.005	purple-grey fspar porph w green clay-alt fspar, cut by banded qtz(fspar?) veins up to 3 mm, loc chl		
V02T2-35	53156	20.0	22.0	2.0	<0.005	fresh to oxid fspar porph, limonite veinlets w loc cm-wide area of dense veining		
V02T2-36	53157	22.0	23.4	1.4	<0.005	crumbly to blocky fspar porph w dense lim. veining. Thin qtz-lim vein-fault? // to trench	53107: <0.005	
V02T2-37	53158	23.4	24.4	1.0	0.036	previous flat qtz vein steepens and swells; host rx silicified, lim-qtz veining and clear to grey qtz veins	53108: 0.007	
V02T2-38	53159	24.4	25.4	1.0	2.840	lim-silica veins and silicified intr. w one clear and sugary qtz vein shallow angle to trench, shrinkage		
V02T2-39	53160	25.4	27.0	1.6	1.010	alt. + silicified intr w lim-silica bands/veins and irregular massive qtz vein or pod. Silicified footwall.		
V02T2-40	53161	27.0	29.0	2.0	1.250	altered and silicified intr w limonite/ silica veinlets (mm-scale) some shallow.		
V02T2-41	53162	29.0	31.0	2.0	0.264	altered, loc silicified intr w lim+qtz veinlets and alteration haloes, and mm-cm qtz veining @29.4m		
V02T2-42	53163	31.0	33.0	2.0	0.030	altered, loc silicif'd intr w lim+qtz veinlets, more shallow veins. Last 20 cm: drusy, vuggy qtz-lim veins	53109: 0.013	
V02T2-43	53164	33.0	34.6	1.6	0.020	altered intr w common lim/silica veins, loc drusy qtz, Mn staining. Loc visible intrusive texture		
V02T2-44	53165	34.6	35.6	1.0	0.015	gruss of syenite (fault?) cut by rusty (loc bright red) seams; clay-altered fspar, clay or chl-alt mafics		
V02T2-45	53166	35.6	37.6	2.0	<0.005	syenite gruss to crumbly and lt green and pink clay alteration, cut by rusty seams		
V02T2-46	53167	37.6	40.0	2.4	0.011	rusty and clay altered syenite gruss, some qtz-lim veining		
V02T2-47	53168	40.0	43.0	3.0	0.007	very rusty and clay altered syenite gruss		
end of Trench 2 @ 43m; 0387195, 6892564								

Aurchem Exploration Ltd.

Vic Claims

Trenching 2002

Appendix 3

Trench 3							
	start: 0387189, 6892519						
	Az: 315 deg						
	length: 47.5m						
	Trench summary:						
field no.	lab no	from	to	length	Au g/t	Sample description	Grab samples
V02T3-48	53169	0.0	0.8	0.8	0.032	alt.fspar porph, small chalky fspars in purplish chalky matrix, cut by mm-cm limonite veins + seams	
V02T3-49	53170	0.8	2.8	2.0	0.073	c.g. oxidized syenite gruss, irregular contact, pistachio-green alt., cut by rusty fract + lim (qtz) veinlets	
V02T3-50	53171	2.8	5.2	2.4	0.020	blocky, fractured, purplish + clay-alt syenite? Cut by lim (qtz) veinlets + seams. Sharp contact w next	
V02T3-51	53172	5.2	7.6	2.4	0.006	beige v.f.g. (small chalky fspar, rare qtz) felsic dyke (rhyolite), conchoidal fract, dendritic pyrolusite	
V02T3-52	53173	7.6	10.3	2.7	<0.005	" , w one slicked fracture surface	
V02T3-53	53174	10.3	13.0	2.7	<0.005	" , more fracturing w limonite, breccia zone, 8-30 cm wide, @ 10.6m	
V02T3-54	53175	13.0	14.0	1.0	0.199	altered intrusive, white, lt gren and purplish alteration cut by steep and flat mm-cm lim-qtz-Mn veins	
V02T3-55	53176	14.0	15.0	1.0	0.065	white, lt green and purplish (hard) alt intr. w f.g. irregular 4-8cm qtz vein w lim. halo and silic.wall rx	53110: 0.064
V02T3-56	53177	15.0	16.1	1.1	0.032	white alt intr cut by thin qtz-lim veins, wide (2-4 cm) hard alt haloes w one 1-2cm sugary grey qtz vein	
V02T3-57	53178	16.1	17.1	1.0	0.046	white alt intr cut by wide (2-6 cm) lim alt haloes around veinlet. One 1cm grey qtz vein or pod	
V02T3-58	53179	17.1	18.2	1.1	0.014	same as above, no grey qtz. Between lim haloes, white rock criss-crossed w small veinlets	
V02T3-59	53180	18.2	19.7	1.5	2.610	pink-greenish altered intr, w lim-silica bands/veins and dark qtz vein or veins @ 18.3m	trench floor, ddh
V02T3-60	53181	19.7	21.0	1.3	0.023	white altered intrusive, some purple and green alteration, and lim (-qtz) bands	
V02T3-61	53182	21.0	22.3	1.3	0.048	discontinuous sample (40% recovery): hard alt intr, cut by thin qtz-lim veinlets and 1-2cm qtz veins	
V02T3-62	53183	22.3	23.8	1.5	0.042	white altered intrusive w qtz-lim veining and some thin clear qtz veins	53111: 0.501
V02T3-63	53184	23.8	25.3	1.5	0.053	" w rare thin clear qtz veins. Poor exposure.	
V02T3-64	53185	25.3	26.3	1.0	1.140	alt intr cut by wide qtz-lim veins/bands w small qtz veinlets, one 5cm rusty pink qtz pod or vein	
V02T3-65	53186	26.3	27.3	1.0	1.030	altered and silicified intr, intensely veined and fractured, grey sugary qtz, Mn patches	53112: 0.807
V02T3-66	53187	27.3	28.3	1.0	4.220	mostly grey sugary qtz, rusty patches w some open space textures	53113: 4.03
V02T3-67	53188	28.3	29.8	1.5	0.053	1m of greenish clay altered intr and 0.5m of alt intr cut by thick hard lim-qtz veins	
V02T3-68	53189	29.8	31.2	1.4	0.018	alt intr cut by mm to cm qtz-lim veins, some sets w black Mn coating (+small rhyolite dyke?)	
V02T3-69	53190	31.2	32.6	1.4	0.022	alt intr cut by mm to cm qtz-lim veins, some sets w black Mn coating	
V02T3-70	53191	32.6	33.6	1.0	0.015	alt intr cut by mm to cm qtz-lim veins; grey-green f.g. qtz pod w alt and sheared wall rx: 6cm, steep	
V02T3-71	53192	33.6	35.1	1.5	0.009	alt intr cut by mm to cm qtz-lim veins; one 60 cm pod of clay-alt purple+green intrusive	
V02T3-72	53193	35.1	36.6	1.5	0.006	rusty resistant intr, pervasively oxidized w remnants? of lt green intr cut by thin lim-(grey) qtz veinlets	
V02T3-73	53194	36.6	37.8	1.2	0.013	70cm on floor; rusty alt intr, loc purple and green, cut by dk lim-qtz bands. End: qtz veins for 30 cm	53114: 0.153
V02T3-74	53195	37.8	39.8	2.0	0.095	crumbly grussy oxidized purple and green intr w few qtz-lim bands	
V02T3-75	53196	39.8	41.1	1.3	0.009	dark purple oxidized blocky intrusive, not much veining	
V02T3-76	53197	41.1	42.3	1.2	0.029	zone of qtz veining, silicified + qtz-lim veins, some 2cm wide. Zone of poddy qtz, over 40cm, discordant	53115: 0.136
V02T3-77	53198	42.3	44.3	2.0	0.387	rusty green and purple intr, gruss to blocky, zone of qtz-lim veining last 8cm	
V02T3-78	53199	44.3	46.3	2.0	0.006	clay altered + ox syenite gruss w some dk purple + limonitic seams. 1 cm qtz vein at start.	
V02T3-79	53200	46.3	48.0	1.7	0.009	grussy to blocky syenite, loc w fresh mafics, few rusty seams	
V02T3-80	53201	46.5	47.5	1.0	0.007	opposite wall: " w some qtz-lim veining and alteration	
end of Trench 3 @ 48m; 0387159, 6892559							

Aurchem Exploration Ltd.

Vic Claims

Trenching 2002

Appendix 3

Trench 4 (horizontal bar of "H" trench)								
	start: 0387184, 6892539							
	Az: 235 deg							
	length: 32m							
	Trench summary:							
field no.	lab no	from	to	length	Au g/t	Sample description	Grab samples	
	53116	0.0	2.0	2.0	0.041	bleached + clay-altered intr w tr fine fractures and rusty lim-stained fractures		
	53117	2.0	4.0	2.0	0.044	poor exposure; alt intr w hairline lim fract/veinlets and some pervasively altered hard lim-silica haloes		
	53118	4.0	6.0	2.0	0.383	poor exp; bleached+purple intr w thin to thick qtz-lim veinlets+haloes. White (earlier?) bull qtz veining mm-0.5cm, massive grey qtz at end of sample.		
	53119	6.0	8.0	2.0	0.060	mostly in floor of Tr-3; discontinuous. White +pink altered intrusive w some qtz-lim bands		
	53120	8.0	10.0	2.0	0.039	poor exposure; rusty+purplish intr, some white qtz veinlets, some limonite-silica bands		
	53121	10.0	11.2	1.2	0.012	blocky rusty altered intrusive w some hard limonite-silica bands		
	53122	11.2	12.5	1.3	0.023	blocky white+rusty intrusive w thin rusty fractures, some thin qtz veinlets		
	53123	12.5	13.6	1.1	0.031	grey felsic sub-volcanic w wedge of rusty altered intr cut by vein or band of f.g. qtz in clay-alt intr	G6015: qtz vein in rhyolite	
	53124	13.6	16.5	2.9	0.006	grey fractured felsic sub-volcanic (rhyolite)		0.0
		16.5	18.0	1.1		no sample		
	53125	18.0	20.0	2.0	0.007	grey fractured felsic sub-volcanic (rhyolite)		
	53126	20.0	21.7	1.7	0.595	grey fractured felsic sub-volcanic (rhyolite)		
	53127	21.7	23.0	1.3	0.108	white + orange altered intrusive with qtz flooding/thin qtz veinlets		
	53128	23.0	24.5	1.5	0.037	orange altered intrusive w thin limonite veinlets		
	53129	24.5	26.5	2.0	0.019	orange altered intrusive, sheared? Seams of limonitic and white alteration		
	53130	26.5	28.8	2.3	0.044	grey fractured felsic sub-volcanic (rhyolite)		
	53131	28.8	30.5	1.7	0.005	grey fractured felsic sub-volcanic (rhyolite)		
	53132	30.5	31.5	1.0	0.005	grey fractured felsic sub-volcanic (rhyolite), silicified, cut by qtz veins	G6014: qtz vein in rhyolite	
	53133	31.5	32.0	0.2	0.003	grey fractured felsic sub-volcanic (rhyolite)	<0.005	
end of Trench 4 @ 32m								

Aurchem Exploration Ltd.

Vic Claims

Trenching 2002

Appendix 3

Trench 5							
	start:0387183, 6892508						
	Az: 320deg						
	length: 37m						
	Trench summary:						
field no.	lab no	from	to	length	Au g/t	Sample description	Grab samples
	53134	0.0	2.0	2.0	0.177	yellow-orange blocky intr w some qtz-lim bands, w mm qtz veins + one 4-6cm qtz vein	G6016: white qtz vein. photo
	53135	2.0	3.0	1.0	0.019	white + orange altered blocky intrusive w Mn blebs, some purplish zones of lim-silica banding	0.186
	53136	3.0	4.0	1.0	0.031	same as above	
	53137	4.0	5.0	1.0	0.037	same as above w some thin qtz veining, loc pinkish alteration. End: purplish gross and fractures	
	53138	5.0	6.0	1.0	0.061	purplish grussy alt intr w chlor mafics + many thin Mn, lim and qtz-lim veinlets (mm-cm, loc drusy).	
	53139	6.0	7.0	1.0	0.048	blocky white alt intr w distinct rusty fract, thin qtz?-lim veinlets, black mafics, one 1cm qtz vein	
	53140	7.0	8.0	1.0	0.075	sl altered syenite, yellow-rusty weathering. End: grey qtz vein, 2-5 cm pinch and swell	G6017: Tr floor; qtz stringers in s
	53141	8.0	9.0	1.0	0.011	sl altered syenite, w some hard silica-lim bands, chloritized mafics	0.045
	53142	9.0	10.5	1.5	0.015	rusty beige + clay altered intr w limonitic seams + veinlets and mm lim-(qtz) veinlets 2-3 cm apart	
	53143	10.5	12.4	1.9	0.020	rusty + dk purple wath intr w rusty seams and thin qtz-lim veinlets (<1cm); Mn and green alteration	
	53144	12.4	13.5	1.1	0.006	clay altered + rusty intr w thin hairline to cm-wide lim-qtz bands. Qtz vein (2-4cm) w splay of drusy qtz	
	53145	13.5	14.5	1.0	0.029	rusty + white clay alt intr w rusty fract, 2 X 2-3 cm grey qtz vein w limonitic seams (one // to trench)	
	53146	14.5	16.5	2.0	0.018	rusty blocky intrusive; one drusy qtz vein // to trench	
	53147	16.5	18.5	2.0	0.069	rusty crumbly intr w mm-cm curvilinear limonite seams	
	53148	18.5	20.0	1.5	0.762	blocky yellow + rusty alt intr w irregular (qtz)-lim bands, qtz pod at contact w felsic subvolcanic	
	53149	20.0	22.0	2.0	0.005	yellowish grey rhyolite w some limonite staining along fractures	
	53150	22.0	24.2	2.2	0.022	yellowish grey rhyolite w some limonite staining along fractures	
		24.2	26.0	1.8		Tr- 4/ no sample	
note	53051	26.0	27.8	1.8	0.013	rhyolite w pod (up to 8 cm) of qtz, massive and in large xtals, loc rhyolite breccia in network of qtz	G6018: qtz vein in rhyolite
series	53052	27.8	30.0	2.2	0.323	rusty clay-alt intr, som lim bands	0.010
change	53053	30.0	32.0	2.0	0.066	rusty clay-alt intr, som lim-qtz bands 2-4 cm	
	53054	32.0	34.0	2.0	0.053	rusty alt intr, dark fracture surface	
	53055	34.0	36.0	2.0	0.016	rusty yellow clay-alt intr	
	53056	36.0	37.0	1.0	0.009	ntrusive, grussy	

Aurchem Exploration Ltd.

Vic Claims

Trenching 2002

Appendix 3

Trench 6							
	start: 0387171, 6892492						
	Az: 325 deg						
	length: 37.1m						
	Trench summary:						
field no.	lab no	from	to	length	Au	Sample description	Grab samples
	53057	0.0	1.5	1.5	0.003	discontinuous sample bleached + clay alt? Intr w lim-silica bands. End: 5cm qtz vein	
	53058	1.5	3.0	1.5	0.003	v. hard, spotty intr, w qtz grains+bleached matrix, silicified w banded and massive silica; undersampled	
	53059	3.0	4.5	1.5	0.003	white alt intr w grey patches+veinlets-silica?; purplish zones (hem?) w dk stringers mm lim-silica bands	
	53060	4.5	6.0	1.5	0.008	blocky rusty alt intr w purplish alt zones. End: white alt intr w lim-silica bands, discord. to hairline veinlets	
	53061	6.0	7.5	1.5	0.026	rusty purple alt intr w 2-4cm lim-silica bands, some thin (0.5cm) qtz veins. Mn alt. Cubic casts on fract	
	53062	7.5	9.0	1.5	0.003	white+ orange alt intr, massive w thin veinlets sub// to main fract set+ thick irregular lim-silica bands	
	53063	9.0	10.0	1.0	0.009	orange white alt intr w green-grey patches (silica?) + qtz veinlets. One 1cm qtz vein in lim-silica band	
	53064	10.0	11.0	1.0	0.015	beige alt intr, silicified, w numerous qtz, lim-mn, and qtz-lim veinlets and bands	
	53065	11.0	12.0	1.0	0.007	first 20cm as above, then orange weath alt intr w wide irregular lim-silica bands	
	53066	12.0	13.0	1.0	0.008	orange alt as above w qtz veinlets	
	53067	13.0	15.0	2.0	0.076	dirty orange (loc purple + white clay) alt intr, grussy, fractured, numerous thin limonite veinlets	
	53068	15.0	17.0	2.0	0.003	fractured blocky dark purplish altered intrusive	
	53069	17.0	19.0	2.0	0.008	as above	
	53070	19.0	21.0	2.0	0.003	as above, but w zone of grussy, oxidized+ clay alt intr at center of sample	
	53071	21.0	23.0	2.0	0.003	slightly altered syenite, mafics visible, oxidized fracture planes	
	53072	23.0	25.0	2.0	0.008	slightly altered syenite, mafics visible, oxidized fracture planes, w thin limonite seams	
	53073	25.0	26.8	1.8	0.006	slightly altered syenite, mafics visible, oxidized fracture planes	
	53074	26.8	27.8	1.0	0.015	contact w f.g. greenish sub-volc rhyolite. 1st 40 cm: clay alt zone w lim veinlets + irreg alteration haloes	
	53075	27.8	29.8	2.0	0.003	sub-volc rhyolite w black pyrolusite, oxidized fracture planes	
	53076	29.8	31.3	1.5	0.003	sub-volc rhyolite	
	53077	31.3	33.0	1.7	0.003	sub-volc rhyolite, qtz stringers at end of sample	
	53078	33.0	33.8	0.8	0.003	sub-volc rhyolite w large qtz vein: banded w dark inclusions+ seams, up to 10 cm wide	G6013: 33.5m; drusy qtz xtals in
	53079	33.8	34.6	0.8	0.003	sub-volc rhyolite	0.006
	53080	34.6	37.1	2.5	0.006	recessive yellow rusty clay-alt intr, blocky then patches of strongly clay-alt intr (yellow rim +purple core)	
		37.1				contact w sub-volc rhyolite- not sampled	
end of sampled Trench 6: 37.1 m							

Trench 7							
	start:						
	curved trench, mid part of trench not sampled						
	Az: deg						
	length:						
	Trench summary: 0-7m: north wall sampled, 7- 15m: south wall. 15-18m: north wall, 18- m: south wall						
ield no.	lab no	from	to	lengt	Au	Sample description	Grab samples
	53081	0.0	2.0	2.0	0.003	dk green diorite or fspar porph, massive blocky, w oxidized fracture planes	
	53082	2.0	4.0	2.0	0.003	f.g. greenish rhyolite, sheared at contact, pyrolusite. W qtz veinlets to blebs. From 3.5 to 4m: numerous	
	53083	4.0	5.0	1.0	0.003	fractured greenish rhyolite (or silicified intr?), w qtz flooding + veinlets, some drusy qtz	
	53084	5.0	6.0	1.0	0.014	white-orange bleached alt intr, w irregular white qtz veining (cm- 10cm) + lim-silica bands	
	53085	6.0	7.0	1.0	0.006	white-orange bleached alt intr, w irregular white qtz veining (cm- 10cm) + lim-silica bands	
	53086	7.0	7.9	0.9	0.003	hard, green f.g. rhyolite? w rusty fractures limonitic veinlets and clear qtz veins	
	53087	7.9	8.9	1.0	0.003	contact zone between hard rhyolite and rusty grussy c.g. intr, loc clay altered	
	53088	8.9	10.5	1.6	0.011	rusty and purple alt intrusive, blocky to grussy w loc lim veins/bands w loc clay alt. Mafics visible	
	53089	10.5	12.0	1.5	0.161	same as above	
	53090	12.0	13.5	1.5	0.052	same as above	
	53091	13.5	15.0	1.5	0.039	same as above	
	53092	15.0	16.0	1.0	0.003	resistant beige+orange bleached alt intr, loc silicified, w qtz veins + qtz-lim veins and bands (mm-5cm)	G6011: qtz vein, photo
	53093	16.0	17.0	1.0	0.965	resistant beige+orange bleached alt intr, loc silicified, w qtz veins + qtz-lim veins and bands (mm-5cm)	<0.005
	53094	17.0	18.0	1.0	0.239	altered, silicified intrusive	
	53095	18.0	18.9	0.9	0.456	15cm overlap w 53094. end of silicif'd zone; beige orange weath intr, pinch+swell grey qtz vein up to 15cm	G6012: qtz vein, on trench floor
	53096	18.9	21.0	2.1	0.140	purplish altered intr w loc gruss, loc clay -oxide seams	0.141
	53097	21.0	23.0	2.0	0.003	purplish altered intr	
	53098	23.0	25.0	2.0	0.003	purplish altered intr (syenite) slightly altered mafics	
	53099	25.0	27.0	2.0	0.003	blocky syenite	
	53100	27.0	29.0	2.0	0.005	blocky syenite w lt green coating on fractures (epidote?)	
6000		29.0	31.0	2.0	0.003	blocky syenite w lt green coating on fractures (epidote?)	
		31.0	35.0	3.0		no sample	
6001 ?		35.0	36.6	1.6	0.003	blocky syenite w Mn coating on fractures	
		36.6	39.0	2.4		no sample	
6002		39.0	41.0	2.0	0.003	rusty gruss zone w lim-clay and dk purple clay seams	
		41.0	43.0	2.0		no sample	
6003		43.0	45.0	2.0	0.003	blocky syenite w loc lt green coating on fractures (epidote?)	additional grab samples
		45.0	63.0	18.0		no sample	
6004		63.0	65.0	2.0	0.003	rusty clayey syenite gruss w lim seams, loc bleached , w lim-silica bands	G6019: float; 2m S of sample 531
6005		65.0	67.0	2.0	0.003	rusty clayey syenite gruss w lim seams, loc bleached , w lim-silica bands	alt intr w qtz-lim bands+thin qtz st
6006		67.0	69.0	2.0	0.003	fractured syenite	0.158
6007		69.0	71.0	2.0	0.005	rusty clayey syenite gruss w lim seams, loc bleached , w lim-silica bands	G6020: boulder near end of Tren
6008		71.0	73.0	2.0	0.013	contact between syenite and rhyolite, bleached, hard	rusty intr w qtz in veins and veinle
6009		73.0	74.6	2.0	0.003	rhyolite	loc drusy, w open space textures
6010		74.6	76.6	2.0	0.003	rhyolite	0.268
		76.6	88.0	11.4		no sample	G6021: boulder near end of Tren
end of sampled trench @ 76.6m							rusty intr w qtz in veins and veinle
end of dug trench @ 88m							loc drusy, w open space textures

Trench 1- Structure										
		start: 0387221 E, 6892525 N								
		Az: 335 deg								
		length: 36.3m								
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other
V02T1- 1	53022	0	1.8	1.8	<0.005					contact gruss/blocky: 286/63
V02T1- 2	53023	1.8	3.8	2	0.005					
V02T1- 3	53024	3.8	4.8	1	<0.005					
V02T1- 4	53025	4.8	6.3	1.5	<0.005					contact gruss/blocky: 125/75
V02T1- 5	53026	6.3	7.9	1.6	<0.005					
V02T1- 6	53027	7.9	9.2	1.3	<0.005			300/78		contact gruss/blocky: 030/75, 280/90
V02T1- 7	53028	9.2	11.2	2	<0.005		090/80			
V02T1- 8	53029	11.2	13.2	2	<0.005		100/70-80			
V02T1- 9	53030	13.2	14	0.8	<0.005					
V02T1- 10	53031	14	14.8	0.8	0.012	070/ steep	070/ steep			zone trends 020/210/ steep?
V02T1- 11	53032	14.8	16.8	2	0.013					
V02T1- 12	53033	16.8	18.8	2	0.009					
V02T1- 13	53034	18.8	20.8	2	0.009		110-120/ steep			
V02T1- 14	53035	20.8	22.8	2	<0.005		120/steep		070/21	
V02T1- 15	53036	22.8	23.9	1.1	0.078			245-260/ steep	flat	
V02T1- 16	53037	23.9	24.8	0.9	<0.005					
V02T1- 17	53038	24.8	25.8	1	0.011			075/70	020/70	
								flat set/ E dip ?		
V02T1- 18	53039	25.8	26.9	1.1	0.221					
V02T1- 19	53040	26.9	28.5	1.6	1.68					
V02T1- 20	53041	28.5	29.6	1.1	8.53		192/48		225/60	
V02T1- 21	53042	29.6	30.6	1	0.259				050/40	
									073/72	
V02T1- 22	53043	30.6	32.3	1.7	0.853	some flat				schistose zone: 285/82
V02T1- 23	53044	32.3	34.3	2	0.013		steep and flat			
V02T1- 24	53045	34.3	36.3	2	0.011			260/55		
								flat		
								260/80		
								032/43		
end of Trench 1 @ 36.3m; 0387201, 6892559										

Trench 2- Structure				start: 0387210, 6892519						
						Az: 340 deg				
						length: 43m				
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other
V02T2- 25	53046	0	2	2	<0.005					contact: 015/80
V02T2- 26	53047	2	4	2	<0.005		302/70			
V02T2- 27	53048	4	6	2	0.007					
V02T2- 28	53049	6	7	1	0.038					
V02T2- 29	53050	7	9	2	0.013		055/42	192/50		
V02T2- 30	53151	9	11	2	0.009					
V02T2- 31	53152	11	13	2	0.005			246/72		
								032/80		
								225/65		
								212/43		
								030/75		
								subhorizontal		
V02T2- 32	53153	13	15	2	0.021			060/90		
V02T2- 33	53154	15	17.6	2.6	<0.005					
V02T2- 34	53155	17.6	20	2.4	<0.005				122/90	
									242/75	
V02T2- 35	53156	20	22	2	<0.005		260/80			
							275/70			
							sub-horizontal			
V02T2- 36	53157	22	23.4	1.4	<0.005		180-220/ 70-90	338/35		
V02T2- 37	53158	23.4	24.4	1	0.036				173/90	
V02T2- 38	53159	24.4	25.4	1	2.84				175/ 90?	
									090/70	
V02T2- 39	53160	25.4	27	1.6	1.01			037/90	230/46	
V02T2- 40	53161	27	29	2	1.25			212/85		
								225/80		
								252/12		
								230/55		
								200/75		
V02T2- 41	53162	29	31	2	0.264			210/25	090/90	
								250/10		
Trench 2 Structure- ctd										
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other
V02T2- 42	53163	31	33	2	0.03			320/10	225/60	
								322/05		
								292/ steep		
								125/ steep		
								280/85		
V02T2- 43	53164	33	34.6	1.6	0.02			230/58		
								285/78		
								270/75		
								015/15		
								200/55		
V02T2- 44	53165	34.6	35.6	1	0.015		010/52			
							304/70			
V02T2- 45	53166	35.6	37.6	2	<0.005		110/90			
							subhorizontal			
V02T2- 46	53167	37.6	40	2.4	0.011			130/90		
V02T2- 47	53168	40	43	3	0.007					
end of Trench 2 @ 43m; 0387195, 6892564										

Trench 3 Structure				start:0387189, 6892519						
					Az: 315 deg					
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other
V02T3-	48	53169	0	0.8	0.8	0.032	220/30			contact w gruss: 022/72
							020/85			
							270/57			
V02T3-	49	53170	0.8	2.8	2	0.073	160/90	292/75	250/82	
							110/90			
V02T3-	50	53171	2.8	5.2	2.4	0.02	285/85	060/90	085/90	contact w rhyolite: 260-290/85
V02T3-	51	53172	5.2	7.6	2.4	0.006				
V02T3-	52	53173	7.6	10.3	2.7	<0.005				
V02T3-	53	53174	10.3	13	2.7	<0.005	230/85			slick plane: 155/65; lineation: 158/15
V02T3-	54	53175	13	14	1	0.199		225/85		
								265/12		
V02T3-	55	53176	14	15	1	0.065	255/38		255/55	
							205/27			
V02T3-	56	53177	15	16.1	1.1	0.032		285/70	285/80	
								230/65		
								040/80		
V02T3-	57	53178	16.1	17.1	1	0.046		203/85	325/45?	
V02T3-	58	53179	17.1	18.2	1.1	0.014		230/65		
								050/90		
V02T3-	59	53180	18.2	19.7	1.5	2.61			unclear	
V02T3-	60	53181	19.7	21	1.3	0.023				
V02T3-	61	53182	21	22.3	1.3	0.048				
V02T3-	62	53183	22.3	23.8	1.5	0.042				
V02T3-	63	53184	23.8	25.3	1.5	0.053				
V02T3-	64	53185	25.3	26.3	1	1.14			110/80	
V02T3-	65	53186	26.3	27.3	1	1.03			unclear	
V02T3-	66	53187	27.3	28.3	1	4.22			190/80	
V02T3-	67	53188	28.3	29.8	1.5	0.053		035/45		
								080/33		
V02T3-	68	53189	29.8	31.2	1.4	0.018		048/55		
								028/90		
								// to trench		
V02T3-	69	53190	31.2	32.6	1.4	0.022				
Trench 3 ctd										
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other
V02T3-	70	53191	32.6	33.6	1	0.015			steep	
V02T3-	71	53192	33.6	35.1	1.5	0.009				
V02T3-	72	53193	35.1	36.6	1.5	0.006				
V02T3-	73	53194	36.6	37.8	1.2	0.013				
V02T3-	74	53195	37.8	39.8	2	0.095				
V02T3-	75	53196	39.8	41.1	1.3	0.009				
V02T3-	76	53197	41.1	42.3	1.2	0.029				
V02T3-	77	53198	42.3	44.3	2	0.387				
V02T3-	78	53199	44.3	46.3	2	0.006				
V02T3-	79	53200	46.3	48	1.7	0.009				
V02T3-	80	53201	46.5	47.5	1	0.007				
end of Trench 3 @ 48m; 0387159, 6892559										

[illegible]

Trench 5					start:0387183, 6892508						
					Az: 320deg						
field no.	lab no	from	to	length	Au g/t	fract	limonite	qtz-lim	qtz veins	other	
	53134	0	2	2					085/steep		
	53135	2	3	1							
	53136	3	4	1		015/steep					
	53137	4	5	1							
	53138	5	6	1		090/90			100/steep		
						102/80	280/60		290/60		
						285/75	270/50		240/65		
									110/75		
									280/75		
	53139	6	7	1		115/80	255/75	295/75	110/80		
						112/70	190/90				
	53140	7	8	1					275/70		
									080/steep		
	53141	8	9	1							
	53142	9	10.5	1.5				190/80			
								110/steep			
	53143	10.5	12.4	1.9				080/steep			
	53144	12.4	13.5	1.1					090/steep		
									315/55		
	53145	13.5	14.5	1				110/80	080/55		
	53146	14.5	16.5	2							
	53147	16.5	18.5	2							
	53148	18.5	20	1.5							
	53149	20	22	2							
	53150	22	24.2	2.2							
		24.2	26	1.8							
note	53051	26	27.8	1.8							
series	53052	27.8	30	2.2							
change	53053	30	32	2				210/80			
	53054	32	34	2							
	53055	34	36	2							
	53056	36	37	1							

Trench 6		start: 0387171, 6892492								
		Az: 325 deg								
		length: 37.1m								
field no.	lab no	from	to	length	Au	fract	limonite	qtz-lim	qtz veins	other
	53057	0	1.5	1.5				055/steep		
	53058	1.5	3	1.5						
	53059	3	4.5	1.5		295/steep	260/steep	215/70	295/80 230/70	
	53060	4.5	6	1.5						
	53061	6	7.5	1.5			245/57		125/steep	
	53062	7.5	9	1.5				120/steep 020/steep		
	53063	9	10	1					275/80	
	53064	10	11	1				220/80		
	53065	11	12	1				200/55		
	53066	12	13	1					275/70	
	53067	13	15	2		120/70	200/80 190/80 215/80 195/35 255/steep			
	53068	15	17	2						
	53069	17	19	2						
	53070	19	21	2						
	53071	21	23	2						
	53072	23	25	2						
	53073	25	26.8	1.8						
	53074	26.8	27.8	1						
	53075	27.8	29.8	2						
	53076	29.8	31.3	1.5						
	53077	31.3	33	1.7						
	53078	33	33.8	0.8					105/60	
	53079	33.8	34.6	0.8						
	53080	34.6	37.1	2.5						
end of sampled Trench 6: 37.1 m										

Trench 7										
	start:									
	curved trench, mid part of trench not sampled									
	Az: deg									
	length:									
	Trench summary: 0-7m: north wall sampled, 7- 15m: south wall. 15-18m: north wall, 18- m: south wall									
field no.	lab no	from	to	length	Au	fract	limonite	qtz-lim	qtz veins	other
	53081	0	2	2						
	53082	2	4	2						
	53083	4	5	1						
	53084	5	6	1						
	53085	6	7	1						
	53086	7	7.9	0.9						
	53087	7.9	8.9	1						
	53088	8.9	10.5	1.6						
	53089	10.5	12	1.5						slick plane: 270/70, lineation horizontal
								245/60		
								245/75		
	53090	12	13.5	1.5				200/80		
								205/75		
	53091	13.5	15	1.5				205/80		
	53092	15	16	1				190/steep	270/steep	
	53093	16	17	1				010/steep	280/steep	
	53094	17	18	1				090/60		
								100/ steep		
	53095	18	18.9	0.9					080/60	
	53096	18.9	21	2.1						clay-oxide seam: 230/steep
	53097	21	23	2						
	53098	23	25	2						clay/gruss: 010/80
	53099	25	27	2						purple+green clay veinlet: 020/80
	53100	27	29	2						
6000		29	31	2						
		31	35	3						
6001		35	36.6	1.6						
		36.6	39	2.4						
6002		39	41	2						
Trench 7 ctd										
field no.	lab no	from	to	length	Au					
		41	43	2						
6003		43	45	2						lim-clay alt: 250/75
		45	63	18						
6004		63	65	2						
6005		65	67	2						
6006		67	69	2						
6007		69	71	2						
6008		71	73	2						
6009		73	74.6	2						
6010		74.6	76.6	2						
		76.6	88	11.4						
end of sampled trench @ 76.6m										
end of dug trench @ 88m										

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Trench 1									
		start: 0387221 E, 6892525 N							
		Az: 335 deg							
		length: 36.3m							
		Trench summary: clay-alteration and network of silica-limonite veining at contact between feldspar porphyry and hornblende syenite							
				later? Grey qtz veining					
field no.	lab no	from	to	length	Au g/t	Au x length	Length (m)	Av. Au g/t	
V02T1- 1	53022	0.0	1.8	1.8	<0.005				
V02T1- 2	53023	1.8	3.8	2.0	0.005				
V02T1- 3	53024	3.8	4.8	1.0	<0.005				
V02T1- 4	53025	4.8	6.3	1.5	<0.005				
V02T1- 5	53026	6.3	7.9	1.6	<0.005				
V02T1- 6	53027	7.9	9.2	1.3	<0.005				
V02T1- 7	53028	9.2	11.2	2.0	<0.005				
V02T1- 8	53029	11.2	13.2	2.0	<0.005				
V02T1- 9	53030	13.2	14.0	0.8	<0.005				
V02T1- 10	53031	14.0	14.8	0.8	0.012				
V02T1- 11	53032	14.8	16.8	2.0	0.013				
V02T1- 12	53033	16.8	18.8	2.0	0.009				
V02T1- 13	53034	18.8	20.8	2.0	0.009				
V02T1- 14	53035	20.8	22.8	2.0	<0.005				
V02T1- 15	53036	22.8	23.9	1.1	0.078				
V02T1- 16	53037	23.9	24.8	0.9	<0.005				
V02T1- 17	53038	24.8	25.8	1.0	0.011				
V02T1- 18	53039	25.8	26.9	1.1	0.221				
V02T1- 19	53040	26.9	28.5	1.6	1.680	2.688			
V02T1- 20	53041	28.5	29.6	1.1	8.530	9.383			
V02T1- 21	53042	29.6	30.6	1.0	0.259	0.259			
V02T1- 22	53043	30.6	32.3	1.7	0.853	1.4501	5.4	2.55	
V02T1- 23	53044	32.3	34.3	2.0	0.013				
V02T1- 24	53045	34.3	36.3	2.0	0.011				
end of Trench 1 @ 36.3m; 0387201, 6892559									
Trench 2									
		start: 0387210, 6892519							
		Az: 340 deg							
		length: 43m							
		Trench summary:							
field no.	lab no	from	to	length	Au g/t	Au x length	Length (m)	Av. Au g/t	
V02T2- 25	53046	0.0	2.0	2.0	<0.005				
V02T2- 26	53047	2.0	4.0	2.0	<0.005				
V02T2- 27	53048	4.0	6.0	2.0	0.007				
V02T2- 28	53049	6.0	7.0	1.0	0.038				
V02T2- 29	53050	7.0	9.0	2.0	0.013				
V02T2- 30	53151	9.0	11.0	2.0	0.009				
V02T2- 31	53152	11.0	13.0	2.0	0.005				
V02T2- 32	53153	13.0	15.0	2.0	0.021				
V02T2- 33	53154	15.0	17.6	2.6	<0.005				
V02T2- 34	53155	17.6	20.0	2.4	<0.005				
V02T2- 35	53156	20.0	22.0	2.0	<0.005				
V02T2- 36	53157	22.0	23.4	1.4	<0.005				
V02T2- 37	53158	23.4	24.4	1.0	0.036				
V02T2- 38	53159	24.4	25.4	1.0	2.840	2.84			
V02T2- 39	53160	25.4	27.0	1.6	1.010	1.616			
V02T2- 40	53161	27.0	29.0	2.0	1.250	2.5			
V02T2- 41	53162	29.0	31.0	2.0	0.264	0.528	6.6	1.13	
V02T2- 42	53163	31.0	33.0	2.0	0.030				
V02T2- 43	53164	33.0	34.6	1.6	0.020				
V02T2- 44	53165	34.6	35.6	1.0	0.015				
V02T2- 45	53166	35.6	37.6	2.0	<0.005				
V02T2- 46	53167	37.6	40.0	2.4	0.011				
V02T2- 47	53168	40.0	43.0	3.0	0.007				
end of Trench 2 @ 43m; 0387195, 6892564									

Trench 3									
		start:0387189, 6892519							
		Az: 315 deg							
		length: 47.5m							
		Trench summary:							
field no.	lab no	from	to	lengt	Au g/t	Au x length	Length (m)	Av. Au g/t	
V02T3-48	53169	0.0	0.8	0.8	0.032				
V02T3-49	53170	0.8	2.8	2.0	0.073				
V02T3-50	53171	2.8	5.2	2.4	0.020				
V02T3-51	53172	5.2	7.6	2.4	0.006				
V02T3-52	53173	7.6	10.3	2.7	<0.005				
V02T3-53	53174	10.3	13.0	2.7	<0.005				
V02T3-54	53175	13.0	14.0	1.0	0.199	0.199			
V02T3-55	53176	14.0	15.0	1.0	0.065	0.065			
V02T3-56	53177	15.0	16.1	1.1	0.032	0.0352			
V02T3-57	53178	16.1	17.1	1.0	0.046	0.046			
V02T3-58	53179	17.1	18.2	1.1	0.014	0.0154			
V02T3-59	53180	18.2	19.7	1.5	2.610	3.915			
V02T3-60	53181	19.7	21.0	1.3	0.023	0.0299			
V02T3-61	53182	21.0	22.3	1.3	0.048	0.0624			
V02T3-62	53183	22.3	23.8	1.5	0.042	0.063			
V02T3-63	53184	23.8	25.3	1.5	0.053	0.0795	12.3	0.367	
V02T3-64	53185	25.3	26.3	1.0	1.140	1.140			
V02T3-65	53186	26.3	27.3	1.0	1.030	1.030			
V02T3-66	53187	27.3	28.3	1.0	4.220	4.220	3.0	2.13	
V02T3-67	53188	28.3	29.8	1.5	0.053	0.0795			
V02T3-68	53189	29.8	31.2	1.4	0.018	0.0252			
V02T3-69	53190	31.2	32.6	1.4	0.022	0.0308			
V02T3-70	53191	32.6	33.6	1.0	0.015	0.015			
V02T3-71	53192	33.6	35.1	1.5	0.009	0.0135			
V02T3-72	53193	35.1	36.6	1.5	0.006	0.009			
V02T3-73	53194	36.6	37.8	1.2	0.013	0.0156			
V02T3-74	53195	37.8	39.8	2.0	0.095	0.19			
V02T3-75	53196	39.8	41.1	1.3	0.009	0.0117			
V02T3-76	53197	41.1	42.3	1.2	0.029	0.0348			
V02T3-77	53198	42.3	44.3	2.0	0.387	0.774	16.0	0.075	
V02T3-78	53199	44.3	46.3	2.0	0.006				
V02T3-79	53200	46.3	48.0	1.7	0.009				
V02T3-80	53201	46.5	47.5	1.0	0.007				
end of Trench 3 @ 48m; 0387159, 6892559									
Trench 4 (horizontal bar of "H" trench)									
		start: 0387184, 6892539							
		Az: 235 deg							
		length: 32m							
		Trench summary:							
field no.	lab no	from	to	lengt	Au g/t	Au x length	Length (m)	Av. Au g/t	
	53116	0.0	2.0	2.0	0.041				
	53117	2.0	4.0	2.0	0.044				
	53118	4.0	6.0	2.0	0.383				
	53119	6.0	8.0	2.0	0.060				
	53120	8.0	10.0	2.0	0.039	10.0	10.0	0.057	
	53121	10.0	11.2	1.2	0.012				
	53122	11.2	12.5	1.3	0.023				
	53123	12.5	13.6	1.1	0.031				
	53124	13.6	16.5	2.9	0.006				
		16.5	18.0	1.1					
	53125	18.0	20.0	2.0	0.007				
	53126	20.0	21.7	1.7	0.595	1.0115			
	53127	21.7	23.0	1.3	0.108	0.1404			
	53128	23.0	24.5	1.5	0.037	0.0555			
	53129	24.5	26.5	2.0	0.019	0.038			
	53130	26.5	28.8	2.3	0.044	0.1012	10.8	0.125	
	53131	28.8	30.5	1.7	0.005				
	53132	30.5	31.5	1.0	0.005				
	53133	31.5	32.0	0.2	0.003				
end of Trench 4 @ 32m									

Trench 5									
	start:0387183, 6892508								
	Az: 320deg								
	length: 37m								
	Trench summary:								
field no.	lab no	from	to	length	Au g/t	Au x length	Length (m)	Av. Au g/t	
	53134	0.0	2.0	2.0	0.177	0.354			
	53135	2.0	3.0	1.0	0.019	0.019			
	53136	3.0	4.0	1.0	0.031	0.031			
	53137	4.0	5.0	1.0	0.037	0.037			
	53138	5.0	6.0	1.0	0.061	0.061			
	53139	6.0	7.0	1.0	0.048	0.048			
	53140	7.0	8.0	1.0	0.075	0.075			
	53141	8.0	9.0	1.0	0.011	0.011			
	53142	9.0	10.5	1.5	0.015	0.0225			
	53143	10.5	12.4	1.9	0.020	0.038			
	53144	12.4	13.5	1.1	0.006	0.0066			
	53145	13.5	14.5	1.0	0.029	0.029			
	53146	14.5	16.5	2.0	0.018	0.036			
	53147	16.5	18.5	2.0	0.069	0.138			
	53148	18.5	20.0	1.5	0.762	1.143			
	53149	20.0	22.0	2.0	0.005	0.01			
	53150	22.0	24.2	2.2	0.022	0.0484	24.2	0.087	
		24.2	26.0	1.8					
note	53051	26.0	27.8	1.8	0.013	0.0234			
series	53052	27.8	30.0	2.2	0.323	0.7106			
change	53053	30.0	32.0	2.0	0.066	0.132			
	53054	32.0	34.0	2.0	0.053	0.106	8.0	0.121	
	53055	34.0	36.0	2.0	0.016				
	53056	36.0	37.0	1.0	0.009				
Trench 6									
	start: 0387171, 6892492								
	Az: 325 deg								
	length: 37.1m								
	Trench summary:								
field no.	lab no	from	to	length	Au	Au x length	Length (m)	Av. Au g/t	
	53057	0.0	1.5	1.5	0.003				
	53058	1.5	3.0	1.5	0.003				
	53059	3.0	4.5	1.5	0.003				
	53060	4.5	6.0	1.5	0.008				
	53061	6.0	7.5	1.5	0.026				
	53062	7.5	9.0	1.5	0.003				
	53063	9.0	10.0	1.0	0.009				
	53064	10.0	11.0	1.0	0.015				
	53065	11.0	12.0	1.0	0.007				
	53066	12.0	13.0	1.0	0.008				
	53067	13.0	15.0	2.0	0.076				
	53068	15.0	17.0	2.0	0.003				
	53069	17.0	19.0	2.0	0.008				
	53070	19.0	21.0	2.0	0.003				
	53071	21.0	23.0	2.0	0.003				
	53072	23.0	25.0	2.0	0.008				
	53073	25.0	26.8	1.8	0.006				
	53074	26.8	27.8	1.0	0.015				
	53075	27.8	29.8	2.0	0.003				
	53076	29.8	31.3	1.5	0.003				
	53077	31.3	33.0	1.7	0.003				
	53078	33.0	33.8	0.8	0.003				
	53079	33.8	34.6	0.8	0.003				
	53080	34.6	37.1	2.5	0.006				
		37.1							
end of sampled Trench 6: 37.1 m.									

Trench 7									
		start:							
		curved trench, mid part of trench not sampled							
		Az: deg							
		length:							
		Trench summary: 0-7m: north wall sampled, 7- 15m: south wall. 15-18m:							
ield no.	lab no	from	to	lengt	Au	Au x length	Length (m)	Av. Au g/t	
	53081	0.0	2.0	2.0	0.003				
	53082	2.0	4.0	2.0	0.003				
	53083	4.0	5.0	1.0	0.003				
	53084	5.0	6.0	1.0	0.014				
	53085	6.0	7.0	1.0	0.006				
	53086	7.0	7.9	0.9	0.003				
	53087	7.9	8.9	1.0	0.003				
	53088	8.9	10.5	1.6	0.011				
	53089	10.5	12.0	1.5	0.161	0.2415			
	53090	12.0	13.5	1.5	0.052	0.078			
	53091	13.5	15.0	1.5	0.039	0.0585			
	53092	15.0	16.0	1.0	0.003	0.003			
	53093	16.0	17.0	1.0	0.965	0.965			
	53094	17.0	18.0	1.0	0.239	0.239			
	53095	18.0	18.9	0.9	0.456	0.4104			
	53096	18.9	21.0	2.1	0.140	0.294	10.5	0.218	
				10.5		2.2894		0.218038	
	53097	21.0	23.0	2.0	0.003				
	53098	23.0	25.0	2.0	0.003				
	53099	25.0	27.0	2.0	0.003				
	53100	27.0	29.0	2.0	0.005				
6000		29.0	31.0	2.0	0.003				
		31.0	35.0	3.0					
6001	?	35.0	36.6	1.6	0.003				
		36.6	39.0	2.4					
6002		39.0	41.0	2.0	0.003				
		41.0	43.0	2.0					
6003		43.0	45.0	2.0	0.003				
		45.0	63.0	18.0					
6004		63.0	65.0	2.0	0.003				
6005		65.0	67.0	2.0	0.003				
6006		67.0	69.0	2.0	0.003				
6007		69.0	71.0	2.0	0.005				
6008		71.0	73.0	2.0	0.013				
6009		73.0	74.6	2.0	0.003				
6010		74.6	76.6	2.0	0.003				
		76.6	88.0	11.4					
end of sampled trench @ 76.6m									
end of dug trench @ 88m									

AURCHEM EXPLORATION LTD.
DISCOVERY CREEK PROJECT

APPENDIX 4

ASSAY RESULTS
ALS CHEMEX LABORATORIES

2002 EXPLORATION PROGRAM
ON THE
VIC CLAIMS

Assay Methods
Au-AA23
and ME-ICP1

Aurchem Exploration Ltd.

Report Number VA02000742
ALS Chemex Laboratories

Vic Claims
Discovery Creek Project

VA02002742 - Finalized																																				
CLIENT : "TEH - Aurchem Exploration Ltd."																																				
# of SAMPLES : 101																																				
DATE RECEIVED : 2002-08-14																																				
PROJECT : "Discovery Creek																																				
CERTIFICATE COMMENTS : **																																				
	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	
DESCRIP	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
53023	0.005	<0.2	1.61	8	<10	120	0.6	<2	0.63	<0.5	13	29	24	3.43	<10	2	0.08	10	1.06	603	<1	0.08	9	830	7	<0.01	5	8	54	0.03	<10	<10	85	<10	42	
53024	<0.005	<0.2	0.66	31	<10	120	1.1	5	1.35	<0.5	20	15	22	4.52	<10	<1	0.09	10	0.13	1025	1	0.02	11	840	9	<0.01	5	12	27	<0.01	<10	<10	81	<10	58	
53025	<0.005	<0.2	1.67	9	<10	530	0.8	<2	0.69	<0.5	14	23	22	3.67	<10	1	0.07	10	0.94	630	<1	0.03	10	870	8	<0.01	<2	10	60	0.01	<10	<10	79	<10	46	
53026	<0.005	<0.2	1.61	7	<10	100	0.6	6	1.25	<0.5	13	25	22	3.28	<10	<1	0.07	10	1.06	513	<1	0.12	9	800	7	<0.01	2	6	64	0.06	<10	<10	89	<10	37	
53027	<0.005	<0.2	0.94	19	<10	70	1.1	2	0.42	<0.5	15	21	27	3.81	<10	1	0.07	10	0.37	413	<1	0.01	10	780	7	<0.01	9	12	25	<0.01	<10	<10	81	<10	48	
53028	<0.005	<0.2	1.04	8	<10	120	0.7	<2	1.06	<0.5	14	29	24	3.52	<10	2	0.08	10	0.49	903	1	0.05	9	780	7	<0.01	2	9	43	0.02	<10	<10	84	<10	46	
53029	<0.005	<0.2	0.36	38	<10	170	1.1	<2	0.14	<0.5	14	26	28	4.37	<10	1	0.08	<10	0.04	954	1	0.01	10	510	9	<0.01	5	11	16	<0.01	<10	<10	84	<10	68	
53030	<0.005	0.2	0.43	32	<10	40	0.9	<2	0.06	<0.5	1	20	11	2.25	<10	1	0.07	<10	0.02	95	1	0.01	3	250	17	0.05	6	15	21	<0.01	<10	<10	80	<10	39	
53031	0.012	0.2	0.37	54	<10	120	1	<2	0.09	<0.5	8	21	25	2.86	<10	<1	0.09	<10	0.02	420	4	0.01	6	550	18	0.06	11	10	30	<0.01	<10	<10	73	<10	43	
53032	0.013	0.4	0.43	66	<10	340	1.2	<2	0.05	<0.5	23	19	47	4.68	<10	2	0.09	<10	0.02	1265	2	0.01	13	360	25	0.01	12	11	22	<0.01	<10	<10	78	<10	93	
53033	0.009	0.2	0.4	66	<10	210	1.3	<2	0.07	<0.5	10	26	30	3.58	<10	1	0.09	<10	0.03	788	1	0.01	9	280	28	<0.01	9	12	25	<0.01	<10	<10	79	<10	80	
53034	0.009	0.2	1.67	9	<10	190	0.9	<2	0.62	<0.5	17	27	56	3.82	10	<1	0.1	10	0.82	870	<1	0.02	13	1060	59	<0.01	5	11	49	0.02	<10	<10	79	<10	95	
53035	<0.005	<0.2	0.8	13	<10	120	0.8	<2	0.58	<0.5	14	32	22	3.52	<10	2	0.12	10	0.4	750	2	0.02	11	810	16	<0.01	3	9	25	0.01	<10	<10	72	<10	61	
53036	0.078	<0.2	0.42	13	<10	150	0.9	<2	0.24	<0.5	15	43	20	3.72	<10	1	0.12	10	0.13	798	1	0.02	12	680	9	<0.01	<2	9	17	<0.01	<10	<10	61	<10	54	
53037	<0.005	<0.2	1.19	33	<10	190	1	<2	0.47	<0.5	16	28	31	3.92	<10	1	0.12	10	0.39	920	1	0.02	13	1080	51	<0.01	2	12	36	0.01	<10	<10	91	<10	82	
53038	0.011	0.3	0.22	114	<10	330	1	<2	0.09	<0.5	12	59	27	3.96	<10	3	0.11	<10	0.03	1365	3	0.01	13	370	12	<0.01	7	6	12	<0.01	<10	<10	58	<10	62	
53039	0.221	0.3	0.29	127	<10	500	1	<2	0.07	<0.5	9	38	16	3.68	<10	<1	0.15	10	0.03	1935	10	0.01	10	340	15	<0.01	7	4	18	<0.01	<10	<10	44	<10	59	
53040	1.68	0.4	0.28	92	<10	130	0.7	3	0.07	<0.5	10	27	18	2.45	<10	<1	0.09	<10	0.03	680	2	0.01	12	410	7	<0.01	3	6	19	<0.01	<10	<10	54	<10	40	
53041	8.53	4.7	0.38	179	<10	150	0.8	45	0.05	<0.5	13	28	21	2.88	<10	3	0.08	<10	0.02	396	12	0.01	9	210	38	0.07	4	5	15	<0.01	<10	<10	51	<10	35	
53042	0.259	0.4	0.32	143	<10	50	0.9	<2	0.06	<0.5	7	33	23	3.06	<10	2	0.05	<10	0.02	132	6	0.01	6	340	13	<0.01	5	5	12	<0.01	<10	<10	44	<10	40	
53043	0.853	0.7	0.44	270	<10	320	1.7	3	0.07	<0.5	14	28	55	6.75	<10	2	0.08	<10	0.02	1345	9	0.01	13	390	22	0.02	20	9	18	<0.01	<10	<10	96	<10	89	
53044	0.013	<0.2	0.5	88	<10	110	1.7	<2	0.27	<0.5	11	22	42	3.86	<10	3	0.07	20	0.04	619	1	0.02	10	990	9	<0.01	9	7	24	<0.01	<10	<10	72	<10	58	
53045	0.011	<0.2	0.45	14	<10	140	1.4	<2	0.41	<0.5	8	22	29	2.8	<10	1	0.08	30	0.07	661	2	0.04	6	1170	6	<0.01	3	5	31	0.01	<10	<10	55	<10	38	
53046	<0.005	<0.2	0.5	11	<10	210	0.9	<2	2.64	<0.5	10	23	19	2.81	<10	1	0.1	10	0.34	763	1	0.05	8	1060	15	0.01	<2	8	83	0.01	<10	<10	62	<10	70	
53047	<0.005	<0.2	0.42	7	<10	50	1.1	<2	1.64	<0.5	8	20	15	2.81	<10	2	0.09	10	0.14	700	<1	0.04	6	1330	8	<0.01	15	7	54	0.01	<10	<10	60	<10	53	
53048	0.007	0.2	0.39	51	<10	390	0.9	<2	0.19	<0.5	13	23	52	3.64	<10	<1	0.07	10	0.03	1510	2	0.01	8	720	14	<0.01	22	8	26	<0.01	<10	<10	75	<10	91	
53049	0.038	<0.2	0.41	23	<10	50	0.5	<2	0.13	<0.5	2	17	11	1.69	<10	2	0.07	10	0.01	137	1	0.01	3	660	12	<0.01	4	8	15	<0.01	<10	<10	57	<10	35	
53050	0.013	0.2	0.39	36	<10	60	0.8	<2	0.13	<0.5	13	18	56	2.38	<10	1	0.06	10	0.02	171	1	0.01	6	670	12	<0.01	15	8	22	<0.01	<10	<10	58	<10	48	
53151	0.009	0.5	0.41	66	<10	130	1.7	<2	0.05	<0.5	5	19	106	5.53	<10	2	0.11	<10	0.02	365	4	0.01	7	310	48	<0.01	25	10	21	<0.01	<10	<10	65	<10	100	
53152	0.005	0.6	0.36	63	<10	210	1.5	<2	0.06	<0.5	17	26	51	4.27	<10	2	0.11	<10	0.02	1295	3	0.01	11	320	46	<0.01	14	13	20	<0.01	<10	<10	86	<10	108	
53153	0.021	0.4	0.45	86	<10	220	2.3	<2	0.07	<0.5	19	24	50	6.94	<10	4	0.07	<10	0.02	1085	2	0.01	15	490	22	<0.01	20	22	14	<0.01	<10	<10	133	<10	117	
53154	<0.005	<0.2	1	32	<10	210	1.4	<2	0.39	<0.5	17	22	29	4.72	<10	3	0.11	10	0.26	1250	1	0.02	15	900	9	<0.01	4	12	32	0.01	<10	<10	95	<10	68	
53155	<0.005	<0.2	1.14	5	<10	130	0.8	<2	2.81	<0.5	15	23	27	3.98	<10	<1	0.11	10	0.73	811	<1	0.09	12	820	8	0.02	<2	12	92	0.02	<10	<10	93	<10	55	
53156	<0.005	<0.2	0.8	17	<10	130	1	<2	0.56	<0.5	14	22	30	4.15	<10	<1	0.11	10	0.22	798	<1	0.02	10	890	20	<0.01	4	14	31	0.01	<10	<10	103	<10	79	
53157	<0.005	<0.2	0.66	48	<10	140	1.1	<2	0.33	<0.5	14	28	36	3.55	<10	2	0.1	10	0.1	752	1	0.01	12	900	50	<0.01	7	14	23	<0.01	<10	<10	92	<10	91	
53158	0.036	0.3	0.24	142	<10	140	1.2	<2	0.06	<0.5	8	49	18	3.89	<10	2	0.13	<10	0.02	647	5	0.01	11	290	21	<0.01	10	6	15	<0.01	<10	<10	63	<10	71	
53159	2.84	0.7	0.23	63	<10	110	0.6	8	0.05	<0.5	4	62	13	1.79	<10	2	0.08	<10	0.02	594	3	0.01	9	200	10	<0.01	3	4	16	<0.01	<10	<10	38	<10	30	
53160	1.01																																			

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EXCELLENCE IN ANALYTICAL CHEMISTRY

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Page #: 2 - A

Total # of pages : 5 (A - C)

Date : 18-Sep-2002

Account: TEH

Project : Discovery Creek

CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
6000		5.68	<0.005	<0.2	1.03	11	<10	70	1.1	<2	0.62	<0.5	10	37	7	3.01
6001		4.52	<0.005	<0.2	0.99	3	<10	60	0.9	<2	0.65	<0.5	9	39	18	2.85
6002		4.82	<0.005	<0.2	1.17	6	<10	60	0.9	<2	0.60	<0.5	11	34	32	2.98
6003		7.84	<0.005	<0.2	0.71	5	<10	90	1.1	<2	0.56	<0.5	8	31	16	2.80
6004		4.60	<0.005	<0.2	0.72	3	<10	50	0.8	<2	0.52	<0.5	8	34	20	2.49
6005		7.60	<0.005	<0.2	0.60	46	<10	130	1.2	<2	0.27	<0.5	13	33	22	3.72
6006		5.34	<0.005	<0.2	0.42	23	<10	70	0.9	<2	0.28	<0.5	8	35	55	2.71
6007		5.78	0.005	<0.2	0.54	121	<10	170	1.0	<2	0.20	<0.5	12	28	44	2.63
6008		4.24	0.013	<0.2	0.47	64	<10	90	1.0	<2	0.17	<0.5	8	24	18	2.51
6009		3.88	<0.005	0.2	0.38	41	<10	70	0.7	<2	0.08	<0.5	4	23	5	1.06
6010		3.80	<0.005	0.2	0.49	14	<10	60	<0.5	<2	0.04	<0.5	<1	23	1	0.23
6011		0.10	<0.005	0.2	0.22	85	<10	100	<0.5	<2	0.07	<0.5	9	111	4	1.26
6012		0.90	0.141	0.5	0.15	49	<10	110	<0.5	<2	0.04	1.8	7	81	5	1.84
6013		2.00	0.006	0.2	0.06	15	<10	80	<0.5	<2	0.01	<0.5	2	123	1	0.75
6014		1.24	<0.005	0.3	0.20	25	<10	30	<0.5	<2	0.04	<0.5	3	96	2	0.49
6015		1.04	0.005	<0.2	0.16	85	<10	60	<0.5	<2	0.07	<0.5	12	119	3	0.69
6016		1.14	0.186	2.8	0.19	85	<10	80	2.0	5	0.05	<0.5	6	103	246	3.94
6017		1.22	0.045	<0.2	0.24	20	<10	40	0.5	<2	0.21	<0.5	4	120	20	1.44
6018		0.62	0.010	0.2	0.15	57	<10	80	0.5	<2	0.03	<0.5	2	121	3	1.66
6019		2.20	0.158	0.9	0.20	17	<10	40	<0.5	<2	0.06	<0.5	5	114	6	1.19
6020		2.30	0.268	1.1	0.22	112	<10	180	0.8	<2	0.03	<0.5	14	84	43	2.82
6021		1.98	0.453	0.8	0.16	139	<10	100	1.1	<2	0.03	<0.5	11	84	34	3.26
53051		3.40	0.013	0.3	0.28	39	<10	100	0.5	<2	0.05	<0.5	3	43	2	1.01
53052		5.66	0.323	0.4	0.42	156	<10	240	1.2	<2	0.16	<0.5	16	27	18	3.88
53053		5.22	0.066	0.2	0.42	43	<10	220	1.0	<2	0.25	<0.5	11	23	18	3.68
53054		5.58	0.053	<0.2	0.44	19	<10	80	1.7	<2	0.37	<0.5	15	21	24	3.64
53055		5.04	0.016	<0.2	0.80	127	<10	180	1.3	<2	0.54	<0.5	16	23	15	3.34
53056		2.50	0.009	<0.2	0.99	49	<10	130	1.5	3	0.57	<0.5	11	18	16	3.64
53057		4.94	<0.005	0.2	0.41	23	<10	40	0.8	<2	0.13	<0.5	6	30	7	2.83
53058		5.44	<0.005	0.2	0.47	36	<10	170	0.6	<2	0.09	<0.5	9	20	35	2.34
53059		6.76	<0.005	<0.2	0.45	52	<10	290	0.8	<2	0.17	<0.5	11	23	37	3.07
53060		5.10	0.008	<0.2	0.47	42	<10	160	0.7	<2	0.14	<0.5	9	19	45	2.02
53061		4.66	0.026	0.2	0.43	67	<10	350	0.9	<2	0.09	<0.5	12	19	38	3.64
53062		3.98	<0.005	<0.2	0.50	56	<10	60	1.0	<2	0.12	<0.5	11	15	33	3.19
53063		4.82	0.009	0.3	0.39	77	<10	120	0.7	<2	0.12	<0.5	16	22	32	2.65
53064		4.48	0.015	0.5	0.46	183	<10	600	1.1	<2	0.07	<0.5	14	17	50	5.47
53065		3.16	0.007	0.3	0.41	71	<10	190	0.5	<2	0.10	<0.5	7	15	41	3.11
53066		3.12	0.008	0.2	0.41	86	<10	140	1.1	<2	0.09	<0.5	15	21	33	2.97
53067		10.56	0.076	<0.2	0.63	49	<10	110	1.1	<2	0.38	<0.5	9	22	21	2.94
53068		7.48	<0.005	<0.2	0.56	20	<10	60	0.9	<2	0.48	<0.5	9	22	28	2.98



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Page #: 3 - A

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Date : 18-Sep-2002

Account: TEH

Project : Discovery Creek

CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
53069		6.58	0.008	<0.2	0.66	13	<10	80	0.8	<2	0.46	<0.5	9	24	60	2.63
53070		8.32	<0.005	<0.2	0.62	24	<10	80	1.1	<2	0.56	<0.5	12	40	47	3.36
53071		7.78	<0.005	<0.2	0.52	7	<10	70	0.9	2	0.68	<0.5	7	26	46	2.63
53072		5.16	0.008	<0.2	0.58	15	<10	70	0.9	<2	0.57	<0.5	10	34	18	2.75
53073		4.68	0.006	<0.2	0.48	80	<10	60	1.3	<2	0.56	<0.5	17	22	14	4.14
53074		2.54	0.015	0.3	0.41	108	<10	150	1.0	<2	0.06	<0.5	4	17	9	3.05
53075		6.28	<0.005	0.2	0.36	21	<10	50	0.5	<2	0.04	<0.5	1	19	1	0.61
53076		3.00	<0.005	0.2	0.32	25	<10	20	<0.5	<2	0.06	<0.5	1	26	1	0.18
53077		4.76	<0.005	0.2	0.32	28	<10	90	0.5	<2	0.05	<0.5	2	25	1	0.56
53078		3.60	<0.005	0.2	0.19	22	<10	130	<0.5	<2	0.03	<0.5	3	62	2	0.57
53079		3.18	<0.005	0.3	0.42	79	<10	170	0.7	<2	0.04	<0.5	5	15	13	1.66
53080		6.38	0.006	0.2	0.47	123	<10	160	1.2	<2	0.17	<0.5	14	25	18	3.61
53081		7.34	<0.005	<0.2	1.53	9	<10	110	0.6	5	2.61	<0.5	14	21	30	3.52
53082		6.32	<0.005	<0.2	0.31	202	<10	120	0.6	<2	0.08	<0.5	4	25	10	1.32
53083		4.42	<0.005	0.2	0.27	284	<10	140	0.9	<2	0.08	<0.5	6	39	6	1.92
53084		4.28	0.014	0.4	0.40	168	<10	350	1.7	<2	0.08	<0.5	13	33	23	6.65
53085		4.92	0.006	0.3	0.42	145	<10	560	1.5	<2	0.08	<0.5	18	33	18	7.82
53086		1.86	<0.005	0.2	0.27	71	<10	200	0.5	<2	0.03	<0.5	9	25	5	1.49
53087		3.86	<0.005	<0.2	0.42	576	<10	280	1.0	<2	0.18	<0.5	14	14	12	3.10
53088		6.82	0.011	<0.2	0.77	46	<10	80	1.0	<2	0.46	<0.5	8	25	25	2.71
53089		7.14	0.161	<0.2	0.65	49	<10	70	1.1	7	0.43	<0.5	7	22	18	2.77
53090		7.96	0.052	<0.2	0.62	15	<10	60	0.9	<2	0.42	<0.5	8	36	12	2.43
53091		6.08	0.039	<0.2	0.64	22	<10	80	1.1	<2	0.43	<0.5	10	24	11	3.04
53092		4.74	<0.005	<0.2	0.45	83	<10	100	0.8	<2	0.33	<0.5	9	24	8	2.72
53093		6.20	0.965	0.7	0.42	237	<10	300	0.9	2	0.13	<0.5	13	25	18	4.66
53094		4.88	0.239	0.8	0.40	73	<10	130	1.6	13	0.15	0.9	12	26	26	5.31
53095		3.94	0.456	0.5	0.34	97	<10	160	0.9	<2	0.08	1.1	11	39	14	3.37
53096		7.14	0.140	<0.2	1.02	40	<10	100	1.0	3	0.53	<0.5	7	24	16	2.27
53097		7.58	<0.005	<0.2	1.36	59	<10	130	1.7	<2	0.93	<0.5	19	37	70	5.71
53098		4.36	<0.005	<0.2	1.11	22	<10	120	1.0	<2	0.62	<0.5	11	31	17	3.33
53099		6.20	<0.005	<0.2	0.97	14	10	80	1.0	4	0.66	<0.5	10	25	11	2.81
53100		5.20	0.005	<0.2	0.93	9	<10	80	1.1	2	0.70	<0.5	9	35	8	2.88
53101		0.62	<0.005	<0.2	0.31	10	<10	50	<0.5	<2	0.07	<0.5	1	46	4	0.44
53102		0.96	<0.005	<0.2	0.20	7	<10	30	<0.5	<2	0.05	<0.5	1	103	5	0.36
53103		0.52	<0.005	<0.2	0.45	8	<10	120	<0.5	<2	0.11	<0.5	<1	21	4	0.59
53104		1.00	<0.005	0.4	0.44	40	<10	150	1.8	<2	0.05	<0.5	19	28	39	5.48
53105		1.46	0.006	<0.2	0.12	40	<10	130	<0.5	<2	0.03	<0.5	5	105	18	0.86
53106		1.54	0.234	0.2	0.40	107	<10	350	0.8	<2	0.09	<0.5	11	25	36	3.77
53107		0.38	<0.005	0.4	0.27	177	<10	40	2.4	<2	0.06	<0.5	5	80	15	5.11
53108		1.50	0.007	<0.2	0.11	37	<10	80	<0.5	<2	0.02	<0.5	3	91	3	0.98

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CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
53109		1.22	0.013	0.3	0.38	115	<10	250	1.1	<2	0.04	<0.5	11	103	37	3.37
53110		0.80	0.064	0.7	0.14	13	<10	60	<0.5	<2	0.04	<0.5	6	103	4	1.05
53111		0.58	5.01	2.2	0.19	54	<10	140	<0.5	30	0.03	<0.5	9	115	17	1.30
53112		1.36	0.807	1.0	0.26	89	<10	520	0.6	5	0.06	<0.5	12	58	48	2.50
53113		0.52	4.03	2.4	0.09	29	10	60	<0.5	14	0.02	<0.5	2	164	9	1.54
53114		2.18	0.153	0.7	0.38	136	<10	70	1.2	4	0.05	<0.5	3	45	100	4.11
53115		1.00	0.136	0.5	0.23	34	<10	280	<0.5	<2	0.05	<0.5	15	134	31	2.75
53116		4.60	0.041	0.2	0.51	54	<10	70	0.6	<2	0.19	<0.5	4	22	54	2.11
53117		4.90	0.044	0.2	0.71	60	<10	70	1.0	2	0.30	<0.5	6	35	48	4.78
53118		6.10	0.383	1.3	0.50	108	10	200	1.2	20	0.38	2.5	16	33	103	4.71
53119		4.84	0.060	0.4	0.69	108	<10	180	1.4	2	0.27	<0.5	14	27	60	5.53
53120		6.76	0.039	0.2	0.54	52	10	40	0.6	<2	0.18	0.7	17	20	15	2.33
53121		4.32	0.012	<0.2	0.67	66	<10	40	0.9	<2	0.12	<0.5	13	21	13	4.51
53122		5.78	0.023	<0.2	0.62	111	<10	40	0.7	<2	0.14	<0.5	5	20	17	3.15
53123		2.96	0.031	0.5	0.47	222	<10	190	0.9	<2	0.11	0.6	36	32	7	3.01
53124		4.36	0.006	0.2	0.43	30	<10	30	0.5	<2	0.05	<0.5	2	11	1	0.69
53125		3.70	0.007	0.2	0.57	39	<10	60	<0.5	<2	0.04	<0.5	4	22	1	0.26
53126		4.96	0.595	0.3	0.41	33	<10	30	<0.5	<2	0.05	<0.5	8	13	4	0.25
53127		2.08	0.108	<0.2	0.68	53	10	70	<0.5	3	0.21	<0.5	2	28	13	0.60
53128		3.08	0.037	0.2	0.60	119	<10	100	0.8	<2	0.18	<0.5	4	18	32	2.85
53129		4.00	0.019	<0.2	0.73	155	<10	160	0.9	<2	0.23	<0.5	8	25	16	3.44
53130		6.54	0.044	0.2	0.62	86	<10	100	0.6	<2	0.04	<0.5	3	12	4	1.23
53131		5.82	0.005	0.2	0.50	20	<10	170	0.7	<2	0.05	<0.5	4	19	2	1.07
53132		2.66	0.005	0.4	0.32	32	<10	50	1.2	<2	0.05	<0.5	2	29	2	1.83
53133		3.66	<0.005	0.2	0.44	29	<10	60	0.6	<2	0.04	<0.5	2	21	1	0.68
53134		6.70	0.177	0.6	0.43	41	<10	80	1.1	<2	0.17	<0.5	8	23	71	3.49
53135		4.76	0.019	0.4	0.50	81	<10	810	0.8	<2	0.10	<0.5	23	20	61	5.39
53136		5.60	0.031	0.2	0.53	74	<10	170	1.1	<2	0.26	<0.5	10	21	50	4.83
53137		6.34	0.037	0.2	0.60	57	<10	120	1.0	<2	0.30	<0.5	12	22	63	3.97
53138		7.14	0.061	<0.2	0.77	25	<10	80	1.1	<2	0.36	<0.5	8	18	34	2.81
53139		6.32	0.048	<0.2	0.87	24	<10	80	1.4	<2	0.48	<0.5	11	24	30	3.36
53140		4.76	0.075	<0.2	0.58	17	<10	60	1.0	<2	0.53	<0.5	7	24	15	2.14
53141		5.32	0.011	<0.2	0.71	11	<10	70	1.0	<2	0.62	<0.5	8	26	33	2.64
53142		6.94	0.015	<0.2	0.42	15	<10	90	1.2	<2	0.39	<0.5	12	19	34	3.13
53143		7.88	0.020	<0.2	0.86	7	<10	140	1.1	<2	0.70	<0.5	10	26	23	2.84
53144		3.06	0.006	<0.2	0.47	17	<10	60	0.9	<2	0.41	<0.5	6	26	12	2.41
53145		6.18	0.029	<0.2	0.51	22	<10	140	1.2	<2	0.31	<0.5	16	36	26	3.97
53146		6.44	0.018	<0.2	0.42	16	<10	70	1.2	2	0.67	<0.5	11	21	22	3.38
53147		6.34	0.069	<0.2	0.52	9	<10	110	1.2	<2	0.62	<0.5	11	27	27	3.43
53148		5.46	0.761	0.2	0.43	85	<10	140	1.1	3	0.17	<0.5	15	17	12	3.21

09-18-02 17:54 TO: KETZA CONSTRUCTION CORP FROM: 000



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: AURCHEM EXPLORATION LTD.
26 LIARD RD.
WHITEHORSE YT Y1A 3L4

Page #: 5 - A
Total # of pages : 5 (A - C)
Date : 18-Sep-2002
Account: TEH

Project : Discovery Creek

CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
53149		5.56	0.005	0.2	0.43	43	<10	120	0.7	<2	0.06	<0.5	4	14	2	1.07
53150		6.34	0.022	0.3	0.37	72	<10	160	0.6	<2	0.07	<0.5	4	9	1	1.05



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Project : Discovery Creek

CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
6000		<10	<1	0.09	10	0.65	646	<1	0.04	8	1320	4	<0.01	<2	6	70
6001		<10	<1	0.11	10	0.67	547	<1	0.05	8	1270	9	<0.01	<2	5	77
6002		<10	1	0.08	20	0.88	625	<1	0.04	8	1290	4	<0.01	<2	6	77
6003		<10	<1	0.11	20	0.33	671	<1	0.05	7	1270	6	<0.01	2	6	51
6004		<10	<1	0.10	20	0.57	483	<1	0.06	6	1210	4	<0.01	<2	4	45
6005		<10	1	0.10	10	0.06	1015	<1	0.02	9	1090	34	<0.01	6	8	39
6006		<10	1	0.09	10	0.03	829	<1	0.03	6	1130	23	<0.01	3	7	31
6007		<10	2	0.14	10	0.03	1055	1	0.01	8	830	19	<0.01	10	5	36
6008		<10	3	0.11	10	0.03	659	1	0.01	7	740	9	<0.01	6	7	36
6009		<10	2	0.22	<10	0.03	252	2	0.01	3	190	18	<0.01	8	1	25
6010		<10	<1	0.22	<10	0.02	172	<1	0.02	1	70	17	<0.01	<2	<1	26
6011		<10	<1	0.06	<10	0.02	468	8	0.01	5	210	8	<0.01	2	4	16
6012		<10	1	0.07	<10	0.01	721	8	0.01	8	180	12	<0.01	<2	2	13
6013		<10	1	0.04	<10	<0.01	505	3	0.01	4	30	11	<0.01	2	1	5
6014		<10	2	0.14	<10	0.01	111	4	0.01	3	30	13	<0.01	2	1	18
6015		<10	1	0.07	<10	0.01	616	3	0.01	8	210	5	<0.01	<2	2	17
6016		<10	11	0.04	<10	0.01	75	9	0.01	12	460	53	0.09	56	7	16
6017		<10	2	0.11	10	0.03	298	1	0.02	5	700	54	<0.01	4	5	22
6018		<10	2	0.10	<10	0.01	351	4	0.01	5	110	16	<0.01	6	1	7
6019		<10	<1	0.12	<10	0.01	272	3	0.01	4	170	46	<0.01	2	2	21
6020		<10	3	0.09	<10	0.01	777	39	0.01	9	330	31	<0.01	11	3	23
6021		<10	4	0.08	<10	0.01	504	30	0.01	9	430	36	<0.01	14	5	15
53051		<10	2	0.16	<10	0.02	746	3	0.01	3	100	19	<0.01	3	1	22
53052		<10	4	0.09	<10	0.02	1400	6	0.01	14	780	12	<0.01	8	7	35
53053		<10	1	0.08	10	0.02	1240	2	0.01	7	1100	12	0.01	2	8	32
53054		<10	1	0.11	10	0.06	1555	1	0.03	10	1310	18	<0.01	<2	8	32
53055		<10	1	0.14	10	0.28	1240	1	0.03	11	1380	24	<0.01	<2	7	47
53056		<10	<1	0.18	20	0.27	891	<1	0.03	10	1550	39	<0.01	8	7	48
53057		<10	1	0.10	<10	0.02	122	3	0.01	6	510	8	<0.01	<2	6	27
53058		<10	2	0.07	<10	0.02	556	3	0.01	6	430	10	<0.01	12	7	38
53059		<10	3	0.07	10	0.02	1045	1	0.01	9	760	9	<0.01	18	10	22
53060		<10	2	0.08	<10	0.02	594	1	0.01	6	610	17	<0.01	12	7	27
53061		<10	3	0.07	<10	0.02	1245	1	0.01	8	390	29	<0.01	10	7	23
53062		<10	1	0.07	<10	0.02	173	2	0.01	6	550	35	0.02	13	9	22
53063		<10	2	0.07	<10	0.02	486	3	0.01	10	760	103	0.02	8	6	22
53064		<10	4	0.11	<10	0.02	2070	2	0.01	13	410	33	<0.01	12	7	28
53065		<10	4	0.07	<10	0.01	566	1	0.01	6	570	31	<0.01	8	5	27
53066		<10	2	0.07	10	0.02	606	2	0.01	11	560	20	<0.01	8	11	26
53067		<10	<1	0.07	20	0.13	636	1	0.02	9	1240	11	<0.01	17	8	36
53068		<10	<1	0.09	10	0.23	546	1	0.04	7	1300	5	<0.01	10	7	46

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

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To: AURCHEM EXPLORATION LTD.

26 LIARD RD.

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Page #: 3 - B

Total # of pages : 5 (A - C)

Date : 18-Sep-2002

Account: TEH

Project : Discovery Creek

CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
53069		<10	1	0.10	10	0.30	597	<1	0.04	7	1290	7	<0.01	<2	6	36
53070		<10	<1	0.09	10	0.21	669	1	0.04	9	1470	6	<0.01	2	8	46
53071		<10	2	0.11	10	0.25	514	<1	0.06	5	1470	5	<0.01	<2	5	57
53072		<10	<1	0.09	10	0.27	549	<1	0.04	7	1220	4	<0.01	<2	6	54
53073		<10	2	0.10	10	0.04	858	1	0.04	11	960	11	<0.01	2	9	50
53074		<10	4	0.16	<10	0.02	653	2	0.01	6	250	29	0.06	7	6	26
53075		<10	<1	0.17	<10	0.01	159	1	0.01	2	60	17	<0.01	4	1	24
53076		<10	<1	0.20	<10	0.02	33	2	0.01	1	50	16	<0.01	<2	1	32
53077		<10	<1	0.18	<10	0.02	340	2	0.01	3	50	28	<0.01	3	1	21
53078		<10	<1	0.14	<10	0.01	577	2	0.01	4	50	12	<0.01	2	1	16
53079		<10	2	0.14	<10	0.02	649	2	0.01	5	140	16	<0.01	4	3	26
53080		<10	3	0.08	10	0.03	877	2	0.01	11	820	8	<0.01	7	8	37
53081		<10	1	0.13	10	0.96	678	1	0.08	12	800	13	0.01	<2	11	87
53082		<10	2	0.15	<10	0.02	579	5	0.01	3	70	22	<0.01	6	2	15
53083		<10	7	0.15	<10	0.02	497	10	0.01	4	100	21	<0.01	5	2	15
53084		<10	7	0.08	<10	0.02	1470	4	0.01	11	410	19	<0.01	10	12	29
53085		<10	4	0.11	<10	0.03	2260	5	0.01	16	500	25	<0.01	6	12	24
53086		<10	2	0.12	<10	0.01	740	1	0.01	6	110	12	<0.01	3	3	13
53087		<10	3	0.12	10	0.03	1095	5	0.01	6	700	16	<0.01	10	6	21
53088		<10	1	0.11	10	0.23	660	3	0.02	7	1270	34	<0.01	12	7	29
53089		<10	<1	0.10	10	0.16	662	2	0.03	6	1280	51	<0.01	9	8	32
53090		<10	<1	0.13	10	0.17	618	2	0.03	7	1170	44	<0.01	<2	7	36
53091		<10	1	0.12	10	0.12	782	2	0.03	7	1340	30	<0.01	7	9	32
53092		<10	2	0.09	10	0.06	668	1	0.02	6	1190	15	<0.01	3	9	26
53093		<10	1	0.07	<10	0.02	1240	3	0.01	9	560	36	<0.01	9	9	29
53094		<10	1	0.09	<10	0.02	995	5	0.01	13	800	112	<0.01	5	9	26
53095		<10	<1	0.09	<10	0.02	1095	7	0.01	13	480	37	<0.01	4	6	27
53096		<10	<1	0.11	10	0.32	684	2	0.02	7	1220	54	<0.01	<2	7	64
53097		10	<1	0.10	20	0.61	1200	1	0.03	13	2500	20	<0.01	24	18	108
53098		10	<1	0.12	20	0.51	872	<1	0.04	8	1390	16	<0.01	<2	7	85
53099		<10	<1	0.11	10	0.47	622	<1	0.04	7	1330	14	<0.01	3	6	80
53100		<10	1	0.09	10	0.52	639	<1	0.05	7	1280	4	<0.01	3	5	91
53101		<10	<1	0.15	<10	0.03	88	1	0.01	2	120	8	0.02	2	5	22
53102		<10	2	0.08	<10	0.02	49	1	0.01	3	120	11	0.03	2	5	25
53103		<10	<1	0.14	10	0.01	11	7	0.01	<1	630	17	0.17	3	9	98
53104		<10	<1	0.06	<10	0.02	449	2	0.01	15	250	17	0.01	7	20	29
53105		<10	1	0.06	<10	0.01	474	1	0.01	4	80	7	<0.01	5	1	8
53106		<10	1	0.12	10	0.01	1265	24	0.01	9	580	12	<0.01	9	5	31
53107		<10	<1	0.14	<10	0.02	133	4	<0.01	12	300	17	<0.01	7	11	20
53108		<10	<1	0.06	<10	0.01	317	2	0.01	5	40	5	<0.01	5	1	5

09-18-02 17:54

TO: KETZA CONSTRUCTION CORP

FROM: 000

P08



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Aurora Laboratory Services Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
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26 LIARD RD.
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Page #: 4 - B
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CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
53109		<10	2	0.07	<10	0.02	1275	3	0.01	14	210	18	<0.01	10	5	25
53110		<10	<1	0.06	<10	0.01	805	4	0.01	5	70	32	<0.01	<2	2	16
53111		<10	<1	0.10	<10	0.01	680	25	0.01	8	210	24	0.01	8	1	15
53112		<10	1	0.12	<10	0.01	2020	39	0.01	15	280	21	<0.01	7	3	16
53113		<10	1	0.05	<10	<0.01	554	41	0.01	13	100	36	<0.01	4	2	6
53114		<10	2	0.09	<10	0.01	88	31	0.01	7	490	37	<0.01	20	5	17
53115		<10	2	0.13	<10	0.03	1345	25	0.01	9	200	37	<0.01	<2	2	33
53116		<10	2	0.10	<10	0.01	252	3	0.01	5	890	13	<0.01	15	6	33
53117		<10	1	0.09	10	0.01	384	4	0.01	8	1580	15	<0.01	14	13	41
53118		<10	<1	0.11	10	0.01	1350	3	0.01	13	1820	135	<0.01	25	16	39
53119		<10	<1	0.09	10	0.02	1095	3	0.01	10	1360	15	0.01	13	14	37
53120		<10	1	0.12	<10	0.02	812	2	0.01	11	770	14	0.01	4	6	30
53121		<10	<1	0.11	<10	0.02	756	1	0.01	12	930	12	0.03	3	8	57
53122		<10	2	0.12	<10	0.02	220	1	0.01	7	890	11	0.05	<2	8	50
53123		<10	3	0.18	<10	0.02	1615	9	0.01	18	520	22	0.02	6	6	46
53124		<10	<1	0.21	<10	0.02	137	2	0.01	1	60	20	<0.01	<2	1	30
53125		<10	<1	0.21	<10	0.01	289	2	0.01	3	50	24	<0.01	3	1	27
53126		<10	1	0.22	<10	0.02	144	2	0.01	3	60	12	<0.01	2	1	34
53127		<10	<1	0.11	10	0.02	55	2	0.01	3	880	10	0.04	3	4	47
53128		<10	1	0.09	10	0.02	328	2	0.01	5	850	11	0.03	10	11	44
53129		<10	3	0.09	10	0.02	767	2	0.01	7	1050	9	0.01	8	11	40
53130		<10	1	0.17	<10	0.02	409	2	0.01	3	150	21	0.01	3	2	32
53131		<10	1	0.20	<10	0.02	638	3	0.01	3	80	28	<0.01	4	1	21
53132		<10	1	0.19	<10	0.02	183	5	0.01	3	70	21	<0.01	4	3	18
53133		<10	1	0.19	<10	0.01	225	3	0.01	2	40	26	<0.01	4	1	19
53134		<10	2	0.11	<10	0.02	183	4	0.01	6	1040	28	0.07	20	7	45
53135		<10	2	0.08	<10	0.02	2980	4	0.01	18	860	27	0.01	18	7	31
53136		<10	2	0.07	10	0.03	817	3	0.01	12	1250	57	<0.01	13	14	36
53137		<10	1	0.10	10	0.04	762	2	0.01	10	1360	120	<0.01	13	9	24
53138		<10	<1	0.09	10	0.06	482	2	0.02	7	1280	35	<0.01	11	6	26
53139		<10	1	0.10	10	0.22	442	1	0.03	8	1300	10	<0.01	3	6	53
53140		<10	<1	0.10	10	0.18	375	1	0.04	6	1220	10	<0.01	<2	5	64
53141		<10	<1	0.10	10	0.24	356	1	0.05	7	1360	6	<0.01	3	7	81
53142		<10	<1	0.08	10	0.08	518	2	0.03	8	1250	8	<0.01	<2	8	39
53143		<10	<1	0.12	10	0.38	597	2	0.04	8	1450	9	<0.01	5	6	72
53144		<10	<1	0.10	10	0.09	310	1	0.03	5	1250	7	<0.01	3	7	38
53145		<10	<1	0.10	10	0.05	728	4	0.02	9	1160	9	<0.01	4	8	35
53146		<10	<1	0.10	20	0.05	735	1	0.03	7	1430	11	<0.01	7	11	30
53147		<10	8	0.11	10	0.09	989	1	0.03	7	1310	13	<0.01	10	8	35
53148		<10	2	0.09	10	0.02	887	1	0.01	8	800	10	<0.01	7	9	32



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Page #: 5 - B
Total # of pages: 5 (A - C)
Date: 18-Sep-2002
Account: TEH

Project: Discovery Creek

CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
53149		<10	<1	0.17	<10	0.02	748	2	0.01	3	80	24	<0.01	<2	1	23
53150		<10	<1	0.17	<10	0.02	1150	2	0.01	3	100	25	<0.01	3	1	30



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Page #: 2 - C

Total # of pages: 5 (A - C)

Date: 18-Sep-2002

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CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		TI % 0.01	TI ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
6000		0.01	<10	<10	66	<10	52
6001		0.02	<10	<10	65	<10	48
6002		0.01	<10	<10	59	<10	60
6003		0.02	<10	<10	68	<10	43
6004		0.02	<10	<10	60	<10	35
6006		<0.01	<10	<10	74	<10	97
6006		<0.01	<10	<10	63	<10	91
6007		<0.01	<10	<10	53	<10	71
6008		<0.01	<10	<10	54	<10	49
6009		<0.01	<10	<10	10	<10	20
6010		<0.01	<10	<10	3	<10	9
6011		<0.01	<10	<10	42	<10	37
6012		<0.01	<10	<10	24	<10	68
6013		<0.01	<10	<10	7	<10	23
6014		<0.01	<10	<10	5	<10	11
6015		<0.01	<10	<10	11	<10	23
6016		<0.01	<10	<10	76	<10	97
6017		<0.01	<10	<10	44	<10	18
6018		<0.01	<10	<10	14	<10	79
6019		<0.01	<10	<10	14	<10	32
6020		<0.01	<10	<10	27	<10	44
6021		<0.01	<10	<10	46	<10	47
53051		<0.01	<10	<10	8	<10	44
53052		<0.01	<10	10	61	<10	101
53053		<0.01	<10	<10	74	<10	45
53054		0.01	<10	<10	77	<10	59
53055		0.01	<10	<10	69	<10	54
53056		<0.01	<10	<10	68	<10	68
53057		<0.01	<10	<10	44	<10	42
53058		<0.01	<10	<10	45	<10	48
53059		<0.01	<10	<10	82	<10	60
53060		<0.01	<10	<10	62	<10	55
53061		<0.01	<10	<10	66	<10	112
53062		<0.01	<10	<10	68	<10	86
53063		<0.01	<10	<10	57	<10	89
53064		<0.01	<10	<10	83	10	119
53065		<0.01	<10	<10	45	<10	52
53066		<0.01	<10	<10	99	<10	68
53067		0.01	<10	<10	73	<10	50
53068		0.01	<10	<10	69	<10	42



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Page #: 3 - C

Total # of pages : 5 (A - C)

Date : 18-Sep-2002

Account: TEH

Project : Discovery Creek

CERTIFICATE OF ANALYSIS

VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
53069		0.01	<10	<10	62	<10	41
53070		0.02	<10	<10	79	<10	50
53071		0.05	<10	<10	65	<10	34
53072		0.03	<10	<10	63	<10	33
53073		<0.01	<10	<10	88	<10	63
53074		<0.01	<10	<10	46	<10	54
53075		<0.01	<10	<10	4	<10	17
53076		<0.01	<10	<10	5	<10	10
53077		<0.01	<10	<10	4	<10	24
53078		<0.01	<10	<10	6	<10	25
53079		<0.01	<10	<10	19	<10	35
53080		<0.01	<10	<10	64	<10	71
53081		0.04	<10	<10	96	<10	58
53082		<0.01	<10	<10	10	<10	37
53083		<0.01	<10	<10	16	<10	62
53084		<0.01	<10	<10	97	<10	110
53085		<0.01	<10	<10	85	<10	170
53086		<0.01	<10	<10	24	<10	29
53087		<0.01	<10	<10	44	<10	79
53088		<0.01	<10	<10	69	<10	121
53089		<0.01	<10	<10	75	<10	113
53090		<0.01	<10	<10	54	<10	102
53091		<0.01	<10	<10	71	<10	89
53092		<0.01	<10	<10	60	<10	73
53093		<0.01	<10	<10	80	<10	125
53094		<0.01	<10	<10	79	<10	180
53095		<0.01	<10	<10	62	<10	125
53096		<0.01	<10	<10	62	<10	71
53097		0.01	<10	<10	146	<10	123
53098		0.01	<10	<10	70	<10	63
53099		0.02	<10	<10	65	<10	52
53100		0.03	<10	<10	73	<10	48
53101		<0.01	<10	<10	21	<10	6
53102		<0.01	<10	<10	13	<10	3
53103		<0.01	<10	<10	24	<10	2
53104		<0.01	<10	<10	130	<10	83
53105		<0.01	<10	<10	14	<10	16
53106		<0.01	<10	<10	62	<10	63
53107		<0.01	<10	<10	71	<10	88
53108		<0.01	<10	<10	10	<10	13

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Page #: 4 - C
Total # of pages: 5 (A - C)
Date: 18-Sep-2002
Account: TEH

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CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti % 0.01	ME-ICP41 Ti ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
53109		<0.01	<10	<10	59	<10	84
53110		<0.01	<10	<10	11	<10	31
53111		<0.01	<10	<10	21	<10	18
53112		<0.01	<10	<10	34	<10	67
53113		<0.01	<10	<10	19	<10	56
53114		<0.01	<10	<10	61	<10	44
53115		<0.01	<10	<10	20	<10	37
53116		<0.01	<10	<10	52	<10	27
53117		<0.01	<10	<10	126	<10	56
53118		<0.01	<10	<10	149	<10	57
53119		<0.01	<10	<10	108	<10	68
53120		<0.01	<10	<10	56	<10	32
53121		<0.01	<10	<10	79	<10	76
53122		<0.01	<10	<10	64	<10	48
53123		<0.01	<10	10	45	<10	94
53124		<0.01	<10	<10	4	<10	21
53125		<0.01	<10	<10	9	<10	19
53126		<0.01	<10	<10	7	<10	15
53127		<0.01	<10	<10	48	<10	11
53128		<0.01	<10	<10	84	<10	40
53129		<0.01	<10	<10	83	<10	64
53130		<0.01	<10	<10	15	<10	36
53131		<0.01	<10	<10	7	<10	39
53132		<0.01	<10	<10	13	<10	32
53133		<0.01	<10	<10	4	<10	30
53134		<0.01	<10	<10	67	<10	74
53135		<0.01	<10	<10	73	<10	102
53136		<0.01	<10	<10	132	<10	102
53137		<0.01	<10	<10	95	<10	89
53138		<0.01	<10	<10	67	<10	51
53139		0.01	<10	<10	61	<10	46
53140		0.03	<10	<10	52	<10	34
53141		0.03	<10	<10	61	<10	40
53142		0.01	<10	<10	72	<10	42
53143		0.03	<10	<10	63	<10	37
53144		<0.01	<10	<10	66	<10	31
53145		<0.01	<10	<10	72	<10	50
53146		<0.01	<10	<10	54	<10	44
53147		<0.01	<10	<10	77	<10	49
53148		<0.01	<10	<10	78	<10	50



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Page #: 5 - C
Total # of pages: 5 (A - C)
Date: 18-Sep-2002
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CERTIFICATE OF ANALYSIS VA02003326

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
53149		<0.01	<10	<10	9	<10	33
53150		<0.01	<10	<10	9	<10	40