2005 GEOCHEMICAL, GEOLOGICAL, PROSPECTING AND TRENCHING REPORT
MERIT PROPERTY (Tenure nos. 511682, 511707, 506068, 518712)

Nicola Mining Division, British Columbia
NTS: 92I/3; BCGS: 092I005/015
Latitude 50°07'N, Longitude 121° 05'W
UTM Zone 10: 637000E, 5553000N (NAD 83)

January 2006

(BC 2005 ASSESSMENT)

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1.0 SUMMARY AND CONCLUSIONS

Between 2002 and 2004 Almaden Minerals Ltd. personnel explored a parcel of ground underlain by the Cretaceous Spenses Bridge Group volcanic assemblage west of Spius Creek and south of Highway 8, near Merritt, BC. The target was low sulphidation epithermal gold deposits. Encouraging results from prospecting, reconnaissance stream sediment, soil and rock sampling led to the staking of the MERIT property in late 2004. The property has been covered with a relatively coarse soil grid (1077 samples), and the main zone of mineralisation and alteration (now Sullivan Ridge) has been geologically mapped and explored with a soil grid (105 samples), additional rock grab samples and five short hand trenches which were mapped and channel sampled. The West Zone has also been explored by limited hand trenching with related mapping and rock sampling.

All stream sediment and soil samples were analysed for 36 elements by ICP-MS. The results show that the As, Sb, Hg and Mo results correlate variably well with the Au results. Five of the stream sediment samples collected on or around the property returned gold results >10ppb. Re-sampling of three of these failed to replicate the original results. Four major (including Sullivan Ridge) and numerous minor gold-in-soil anomalies were defined, with associated As, Sb and Hg anomalies. In general, elevated arsenic values coincide with and extend beyond anomalous gold results; anomalous antimony results coincide with gold anomalies, but may be more or less extensive; higher mercury values tend to flank gold anomalies. Molybdenum correlates well with gold only on Sullivan Ridge.

All rock samples, reconnaissance (115 samples) and trench (45 samples), were also analysed for 36 elements using ICP-MS, but only the gold values have been studied statistically and displayed. Sixty two (53.9%) of the reconnaissance rocks returned >100ppb Au, and 19 (16.5%) reported over 1000ppb Au. The highest value is 7916.4ppb Au. Most of the reconnaissance rock samples comprised angular pieces of loose country rock containing quartz veins or clasts, or visible quartz-iron carbonate alteration. On Sullivan Ridge, at the north end of which a one to two metre wide quartz zone has been traced for 80m, 22 reconnaissance rock samples were taken. Of these, 11 reported above 100ppb Au, and 5 returned >1000ppb Au. Fifty-seven of the reconnaissance rock samples were taken on or south of Discovery Hill, an exposure of hematitic silica-altered andesite located over two kilometres to the SSW of Sullivan Ridge. Of these, 34 returned >200ppb Au and 11 yielded >1000ppb Au. Six of the seven highest values are from this latter group.

Of the 45 samples taken from eight trenches, 22 (48.9%) yielded >100ppb Au and 5 (11.1%) gave over 1000ppb Au. The highest value was 11,523ppb Au, which on assay gave 14.94g/t Au. Five of the trenches were dug on Sullivan Ridge, and the four over the quartz zone at the north end of this ridge are responsible for all the high values. The best mineralised interval encountered to

date at **Sullivan Ridge** occurs in **trench SRT05-5**, where three contiguous channel samples yielded **7.24g/t Au averaged over a true width of 1.8m**. Two of the trench samples were grab samples of broken material exposed while trenching in the West Zone; the remainder were channel samples, 0.28m to 1.15m in length, taken with a hammer and chisel. The sample weights varied from 3 to 12kg. The West Zone trench samples returned only low gold values.

The work conducted during 2004 and 2005 led to the discovery of one gold-mineralised quartz zone on Sullivan Ridge, a second quartz zone 1.5 km to the west (West Zone), and a large area containing gold-bearing quartz cobbles in the southeast corner of the property. The presence of four well defined high gold soil anomalies, one of which corresponds with Sullivan Ridge, indicates very prospective ground. The strong association of arsenic, antimony and mercury with gold, the presence of abundant chalcedony and silicious iron carbonate alteration are typical of a low sulphidation epithermal gold environment. The characteristic trace element geochemistry and classic mineral textures observed to date, including quartz pseudomorphs of lattice-bladed calcite, are indicative of the upper portions of an epithermal system. This implies only shallow erosion of the source deposit(s). A prime target area is the gold anomaly east of Discovery Hill.

Further exploration on the MERIT claims is definitely warranted, and is strongly recommended.

2.0 RECOMMENDATIONS

The following program is recommended for the MERIT property:

1) Detailed grids, with lines 50m apart and sample stations at 25m intervals, should be established and soil sampled in all areas where the Main Grid soil sampling results indicate a soil gold anomaly.

2) The Sullivan Ridge Grid should be extended to the north by 200m, and soil sampled at 50m x 25m spacing.

3) Trench SRT05-5 should be extended to the west by 40m. This will require the use of a small trenching machine.

4) Assuming success, additional 40m long trenches should be excavated 20m north and south of trench SRT05-5. These trenches could lead to additional trenching for definition of drill targets.

5) All gold soil anomalies should be vigorously prospected.

6) The mineralised float cobbles found south and east of Discovery Hill should be traced. It is suspected that Gold Anomaly C is the source area.

Respectively submitted

ALMADEN MINERALS LTD.

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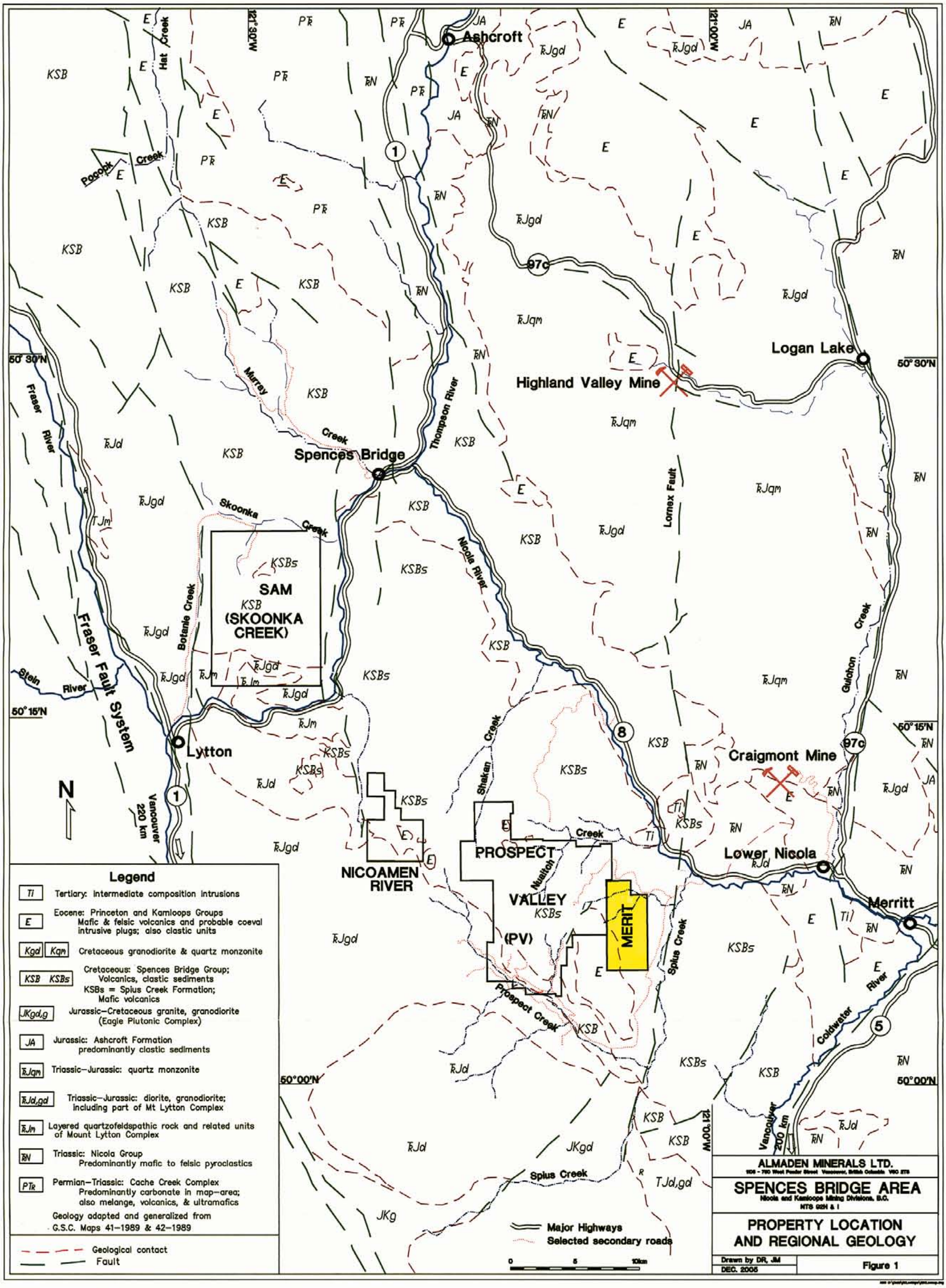

Ashcroft
Spences Bridge
Logan Lake
Highland Valley Mine
Lytton
Craigmont Mine
Lower Nicola
Merritt
SAM
(SKOONKA CREEK)
NICOAMEN RIVER
PROSPECT
VALLEY
(PV)
MERIT
121°30'W
121°00'W
50° 30'N
50°15'N
50°00'N
Hat Creek
Pocock Creek
Murray Creek
Skoonka Creek
Botanie Creek
Stein River
Fraser River
Fraser Fault System
Thompson River
Nicola River
Lornex Fault
Shekan Creek
Nuaitch Creek
Spius Creek
Prospect Creek
Gulchon Creek
Coldwater River
Vancouver 220 km
Vancouver 200 km
N
Major Highways
Selected secondary roads
0 5 10km
Legend
Ti Tertiary: intermediate composition intrusions
E Eocene: Princeton and Kamloops Groups Mafic & felsic volcanics and probable coeval intrusive plugs; also clastic units
Kgd Kqm Cretaceous granodiorite & quartz monzonite
KSB KSBs Cretaceous: Spences Bridge Group; Volcanics, clastic sediments
KSBs = Spius Creek Formation; Mafic volcanics
JKgd,g Jurassic–Cretaceous granite, granodiorite (Eagle Plutonic Complex)
JA Jurassic: Ashcroft Formation predominantly clastic sediments
TrJqm Triassic–Jurassic: quartz monzonite
TrJd,gd Triassic–Jurassic: diorite, granodiorite; including part of Mt Lytton Complex
TrJm Layered quartzofeldspathic rock and related units of Mount Lytton Complex
TrN Triassic: Nicola Group Predominantly mafic to felsic pyroclastics
PTr Permian–Triassic: Cache Creek Complex Predominantly carbonate in map–area; also melange, volcanics, & ultramafics
Geology adapted and generalized from G.S.C. Maps 41–1989 & 42–1989
Geological contact
Fault
ALMADEN MINERALS LTD.
SPENCES BRIDGE AREA
Nicola and Kamloops Mining Divisions, B.C.
NTS 92H & I
PROPERTY LOCATION AND REGIONAL GEOLOGY
Drawn by DR, JM
DEC. 2005
Figure 1

3.0 INTRODUCTION

This report describes the results of exploration work conducted during the initial (2004/05) anniversary year on the MERIT claim group, to substantiate the related expenditures applied for assessment credits.

3.1 Location, Access, Physiography and Climate (Figures 1 & 2)

In straight line distance the MERIT property is centered 21.6km west of the city of Merritt, at latitude 50°07'N and longitude 121°05'W (UTM Zone 10: 637000E, 5553000N) in NTS map area 92I/3. Good ground access is afforded via Provincial Highway #8 from Merritt, 18km west to the old community of Canford, then 7.6km southwesterly via the Sunshine Valley/Spius Creek – Prospect Creek gravel forestry road system, then 3.6km west and northwest via old logging spurs into the east central property area at the common Legal Corner Post (LCP) of the former MERIT 1 (#414111) and MERIT 2 (#414112) legacy claims. From near this point, the old and partly serviceable logging trail networks extend farther into the central and southern property areas. The northern portion of the claim group is accessible by several branch trails off the Edgar Creek Forestry Road.

The MERIT claims are situated within the Intermontane physiographic region of rolling upland terrain on the southern Interior (Thompson) Plateau, near the southeast end of the more locally defined Nicoamen Plateau. Topography is moderate to locally steep, with elevations ranging from between 800m and 900m (2,625ft to 2,950ft) above sea level along the east property boundary to a high of nearly 1,340m (4,400ft) along the west boundary.

The deeply incised canyon of Spius Creek, with a floor elevation of 550m to 600m, is located about 3km east of the claim group. The property covers four drainages which flow generally eastwards into Spius Creek, which in turn flows northward into the Nicola River. From north to south, these drainages are James Creek, Roberts Creek, Richardson Creek and August Creek. The northwestern property area is drained by Edgar Creek which passes northward and eastward into Nuaitch Creek, another tributary of the Nicola River.

Soil and glacial till cover is extensive and generally shallow, but includes locally deep mounds (to >5m thickness) particularly in the southeast quarter of the claim block. Overall bedrock exposure is moderate to locally abundant in road cuts and in some of the stream gullies, as well as on steep upper slopes and ridge tops. Glacial striae have not been observed to date in outcrop on the property; however, the local ice flow direction is shown as southerly in the published literature (Ref GSC Paper 79-25, Figure 12, p 13).

The climate is semi-arid, with commonly hot dry summers having temperatures in the 25°C to 35°C range at Merritt. All areas of the property are generally free of snow from late May or early June through October.

Vegetation consists mainly of widely spaced lodgepole pine, Ponderosa pine and Douglas fir changing to more dense balsam fir, spruce and cedar along creek valleys. Dense brush consisting of alder and grey/red willow is common along most of the stream gullies and road cuts, and in swales between topographic highs. Approximately 50% of the property area has been logged (pre 1960?). Cattle grazing is currently common throughout the area, and the most northeasterly portion of the claim group overlaps private land held by the James Creek Ranch.

3.2 Claim Data

The present property consists of four contiguous mineral claims with an aggregate land area of 1906.557 hectares (~19 km^2) in the Nicola Mining Division, BCGS map areas 092I005/015. An initial group of two 4-post claims (MERIT 1 & 2, Tenure Nos. 414111 & 414112) was acquired by physical staking during September 08-13, 2004; four 2-post (physical) claims (MERIT 3-6, Tenure Nos. 414113-414116) were added on September 16, 2004 and an additional three 2-post claims (MERIT 7-9, Tenure Nos. 416223-416225) were added on November 29, 2004.

Following implementation of the Mineral Titles Online (MTO) electronic acquisition system, a new BCGS grid cell claim – MRT 1, Tenure No. 506068 – was acquired on February 7, 2005. The MERIT 1-9 legacy claims described above were converted into cell claims (Tenure Nos. 511682 & 511707) on April 26, 2005, and an additional cell claim – MRT 2, Tenure No. 518712 – was acquired on August 04, 2005.

Locations of the current claims are shown on Figure 2 and the respective claim data are summarized in Table 1. The expiry dates as listed in the table are subject to approval of the work filed in conjunction with this report (Event No. 4047557). All of the claims are 100% owned by Almaden Minerals Ltd. (FMC #144134).

Table 1: **Mineral Claim Summary** – as at January 1, 2006.

Claim Name	Tenure No.	# Cells	Area, ha	Expiry Date
-	511682	25	518.272	2010/Dec 31
-	511707	39	808.071	2010/Dec 31
MRT 1	506068	20	414.386	2010/Dec 31
MRT 2	518712	8	165.828	2010/Dec 31

3.3 History

There are no published records of any prior mineral exploration work in the area covered by the MERIT property, and there are no previously documented mineral occurrences for this locality in the BC Minfile database. No old claim posts have been found to date, however a few very old (apparent) prospect pits are discernible on Sullivan Ridge.

In 1981 a federal-provincial government Regional Geochemical Survey was carried out over the entire Ashcroft (NTS 92I) map area. The initial results of this survey were published in 1982 as BC RGS 8/GSC Open File 866. In 1994 the sample pulps were re-analyzed by improved techniques and for additional elements, including gold. The new data were published as BC RGS 40/GSC Open File 2666 which identified two moderate gold-in-silt anomalies (both 7ppb) located in the August Creek and Richardson Creek drainages, represented by sample sites numbered 811070 and 811072, respectively.

During the summers of 2002 and 2003, Almaden personnel (Balon, Jakubowski) conducted regional exploration which included two brief stages of prospecting and follow-up geochemical sampling within the above drainages as well as in Roberts, James and Edgar Creeks to the north. Totals of 17 stream sediment, 15 reconnaissance soil and four reconnaissance rock grab samples were collected for multi-element analysis by Acme Analytical Laboratories Ltd. (Acme) of Vancouver, BC. The results of this work confirmed the anomalous gold content in Richardson Creek and generated two new gold-in-silt anomalies in Roberts and Edgar Creeks (10.1 and 13.6ppb Au, respectively). A large quartz-carbonate boulder was noted along a road between Richardson and August Creeks. Iron-rich carbonate alteration and yellow-orange soil colour anomalies were noted elsewhere within and peripheral to the present claims area.

During the summer of 2004, prior to claim staking, Almaden personnel (Balon, Sullivan) carried out more intensive exploration of the area, particularly in the August and Richardson Creek drainage basins. The program included detailed road cut and stream gully prospecting in conjunction with further geochemical sampling. An additional 34 stream sediment, 13 reconnaissance soil and 68 rock grab samples were collected and analysed by Acme for 36 elements. The 2004 work resulted in the identification of numerous significant gold-bearing quartz float occurrences and of a local strongly altered and brecciated outcrop carrying anomalous multi-element values (Discovery Hill). This prompted the staking of the initial MERIT claims. More extensive alteration and mineralisation, called the Sullivan Ridge Zone, was found during claim line location.

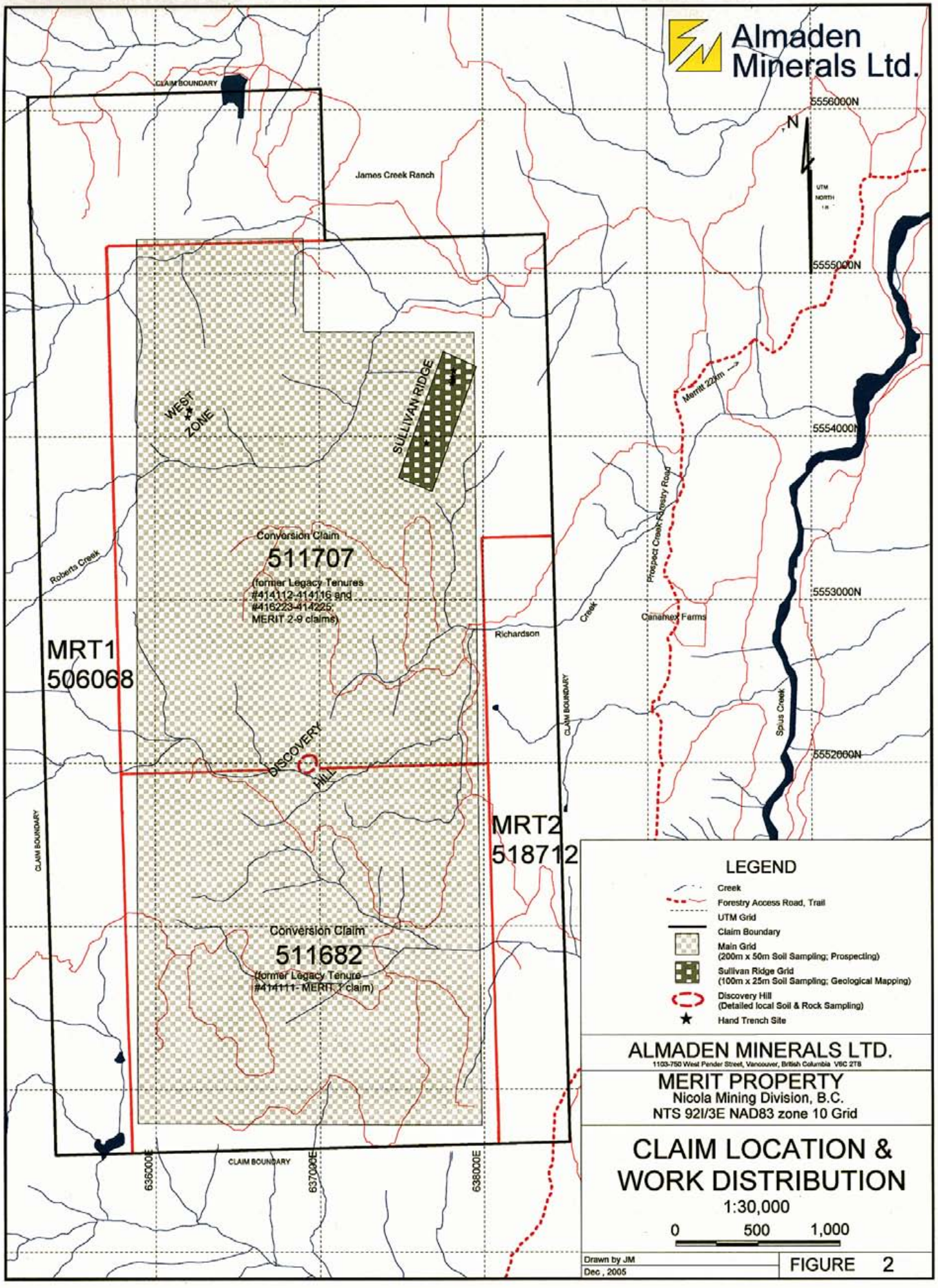
All of the 2002 – 2004 (pre-staking) sample locations, descriptions and selected analytical data are included in this report as Appendix A.

3.4 2005 Exploration Program

Post-staking fieldwork in the autumn of 2004 and during 2005 consisted of grid soil geochemical sampling surveys (1,182 samples), further prospecting and reconnaissance geochemical sampling (1 stream sediment, 8 soil, 43 rock samples), geological mapping of the Sullivan Ridge area, and limited hand trenching with related bedrock mapping/sampling in two mineral zones (45 trench rock samples). All of the samples were delivered to Acme in Vancouver, BC, for 36-element geochemical analysis plus a few selected gold/silver assays.

The great majority of this program was conducted on the conversion claims with Tenure Nos. 511682 and 511707 prior to their first anniversary dates of September 11 and 13, 2005, respectively. Minor prospecting was carried out on Tenure No. 518712 after its August 4, 2005, acquisition date and minor additional trenching was done at the Sullivan Ridge Zone on Tenure No. 511707 on November 1, 2005. The work was conducted by one company employee and four contract personnel, all based at the Douglas Motel in Merritt, BC. The company employee acted as overall supervisor and Qualified Person (QP) for the project. All UTM grid locations were initially recorded in NAD 27 using Garmin 12XL handheld GPS receiver units; these readings were later converted to NAD 83 for presentation purposes. The work types and distribution are shown on Figure 2.

The 2004 – 2005 post-staking reconnaissance sample locations, descriptions and selected analytical data are tabled in Appendix B.


Almaden Minerals Ltd.
CLAIM BOUNDARY
James Creek Ranch
5556000N
N
UTM NORTH
5555000N
WEST ZONE
SULLIVAN RIDGE
Merritt 224m
5554000N
Prospect Creek Forestry Road
Conversion Claim
511707
(former Legacy Tenures #414112-414116 and #416223-414225; MERIT 2-9 claims)
Roberts Creek
5553000N
Canamex Farms
Richardson
Creek
MRT1
506068
CLAIM BOUNDARY
Spius Creek
DISCOVERY HILL
5552000N
MRT2
518712
CLAIM BOUNDARY
Conversion Claim
511682
(former Legacy Tenure #414111- MERIT 1 claim)
CLAIM BOUNDARY
6360000E
6370000E
6380000E
LEGEND
Creek
Forestry Access Road, Trail
UTM Grid
Claim Boundary
Main Grid (200m x 50m Soil Sampling; Prospecting)
Sullivan Ridge Grid (100m x 25m Soil Sampling; Geological Mapping)
Discovery Hill (Detailed local Soil & Rock Sampling)
Hand Trench Site
ALMADEN MINERALS LTD.
1103-750 West Pender Street, Vancouver, British Columbia V6C 2T8
MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid
CLAIM LOCATION & WORK DISTRIBUTION
1:30,000
0 500 1,000
Drawn by JM
Dec , 2005
FIGURE 2

4.0 GEOLOGY

4.1 Regional Geology

The regional bedrock geology is shown on Figure 1. This figure covers part of the southern Intermontane Tectonic Belt of the Canadian Cordillera; it was compiled and simplified from GSC Maps 42-1989 (Ashcroft, by J.W.H. Monger and W.J. McMillan, 1989) and 41-1989 (Hope, by J.W.H. Monger, 1989).

Lithologies within the Figure 1 map area include successions of Mesozoic to Tertiary volcanic and sedimentary rocks which have been intruded by plutons of various compositions and ages from Late Triassic and/or Jurassic to Miocene(?). Locally thick deposits of Pleistocene and Recent glacial drift and alluvium are commonly found in all of the major creek and river valleys. Much of the region was overridden during the last Pleistocene glaciation by ice moving generally southeastwards, but more directly southwards in the MERIT – PROSPECT VALLEY area (Nicoamen Plateau; Ryder, 1975).

The dominant rock assemblage underlying the MERIT property is the Cretaceous Spius Creek Formation, a basaltic andesite unit (KSBs). This is the upper sequence of the Spences Bridge Group (KSB / KSBs) which is a broad northwest-trending thick sequence of gently folded volcanics with lesser sediments, dipping shallowly to the northeast. This assemblage includes intermediate, locally felsic and mafic flows and pyroclastics with some sandstone, shale and conglomerate (KSB). The upper division was formerly called the Kingsvale Group by earlier government geologists (Rice, 1947; Duffell and McTaggart, 1952; and others before Thorkelson, 1985).

The Spences Bridge Group unconformably overlies older plutonic rocks, mainly granodiorite to diorite/gabbro of the Triassic-Jurassic Mount Lytton Complex (TrJgd) 5km southwest of the property. The Spences Bridge Group is unconformably overlain by Eocene Princeton/Kamloops Group (EP, EK) mafic and felsic volcanics. The GSC mapping indicates that the southwest corner of the property is covered with Eocene (EP) rocks, but their contact with the Spenses Bridge Group has not been traced in the field. Small Miocene(?) intrusions of intermediate composition (Ti) have been found in contact with EP, KSBs, and older rocks.

The major structural features in the region are steeply dipping normal faults. The Spius Creek Fault, 1 – 2km east of the property, appears to be the southern continuation of the Lornex (Big Divide) Fault which transects the Guichon Batholith north of the MERIT property. The Spius West Fault is parallel to the Spius Fault and lies along the east boundary of the property. These faults are parallel to subparallel to the Fraser River Fault System. Although faults have been mapped with a variety of attitudes, the dominant trends are north-south and 140^0 – 150^0 (Monger, 1981). It has been postulated that the rocks of the Spences Bridge Group formed as a chain of stratovolcanoes associated with subsiding, fault bounded basins (Souther, 1991 and Thorkelson, 1985).

Low sulphidation type epithermal gold mineralisation hosted by quartz veins and breccia in carbonate altered Spences Bridge volcanics has been found from the MERIT to the SKOONKA CREEK (formerly SAM) properties, a distance of 40 kilometres (Figure 1). Major producers and past-producers in the area include the Highland Valley Mine, Bethlehem Copper and Lornex (all large volume porphyry copper deposits), and Craigmont, a copper-iron skarn deposit northwest of Merritt.

4.2 **Property Geology, Alteration and Mineralization** (Plates 4A, 4B)

No effort has been made to date to geologically map the entire MERIT property in a systematic manner. Sullivan Ridge and the Sullivan Ridge Zone were mapped at 1:1000 scale during August, 2005 (Plates 4A, 4B). The Sullivan Ridge trenches (Figures 6A to 6E) were mapped and sampled at the same time. West Zone trenches (Figures 7A, 7B) were sketch mapped in October, 2004, then expanded and re-mapped during August, 2005.

Sullivan Ridge is a prominent ridge of andesitic rocks. On the west the rocks are dark grey-green, fine to medium grained unaltered pyroxene andesites (AV). One small subcrop of weakly silicious, ankeritic andesite breccia (JH-25) was seen in this horizon, and two small outcrops of weakly altered andesite (JH-27, 34) were noted nearby. Slightly porphyritic andesite (PV) with 1mm x 3mm phenocrysts of white feldspar were seen in a couple of locations. Moving easterly to the top of the ridge weakly vesicular andesites (VV) are present. Vesicles comprise 5% to 10% of the rock, and locally are filled with white calcite. This belt appears to vary from 20m to 85m in thickness.

Adjoining the vesicular volcanics on the east is a narrow horizon of variably altered (silica, ankerite) andesitic volcanics (AVa) which grade into a more intensely altered andesite breccia (VBa). Clasts within the breccia are predominantly silicified andesite in a variably silicious and ankeritic matrix with an increasing quantity of clasts of silica/ankerite altered andesite, quartz and chalcedony to the east. The colour of this unit varies from pale yellowish on the west through yellow-orange to rusty orange on the east. The VBa unit hosts the quartz veins exposed in trenches SRT05-1, 2, 3 & 5.

East of the breccia horizon is a belt of intensely carbonate altered and silicified rusty orange AV(?) or VBa(?) of undetermined width. Outcrops of this resistant material (SI/AK) form a line of knobs across the rubble-covered hillside down slope from the quartz horizon. The contact between VBa and SI/AK strikes 000^0 and dips 90^0. The minimum thickness of the SI/AK horizon is 2m (JH-41). The eastern contact of the SI/AK is covered by overburden.

The predominant alteration assemblage in the area is quartz-carbonate flooding of brecciated andesite. The carbonate is believed to be ankerite due to the yellowish orange colour. The intensely altered rock is rusty orange and brittle (SI/AK), and clasts of this material occur in the VBa, SI in the trench exposures.

In the trenches, the most abundant mineral is quartz, as narrow to wide veins and as clasts in breccia. In many cases the quartz is chalcedonic. Sulphides are conspicuous by their absence, and native gold has not seen, either with a hand lens or a microscope. Hematite was observed locally, i.e., trench SRT05-5, and variable limonite after primary hematite in the AV host rock is widespread in the altered zones.

The quartz "vein" exposed in trench SRT05-1 appears to have formed by replacement of the host VBa. Poorly defined clasts of SI/AK occur in the VBa. The attitude of the west contact of the vein is $005^0/90^0$. In trench SRT05-2, the quartz zone is 80% to 100% replacement of VBa by white and chalcedonic quartz. The western contact is a steeply dipping to vertical shear.

The vein in trench SRT05-3 is very similar to those exposed in the first two trenches, but the north end is truncated by a fault ($312^0/90^0$-85^0NE). In trench SRT05-4 at the southern end of the ridge the quartz vein has a well defined eastern contact against the AVa at $010^0 - 012^0/ 90^0 - 80^0$W. The quartz "vein" in trench SRT05-5 has a well defined contact with the hanging wall AVa ($348^0/90^0$), whereas the footwall contact is gradational from AVa to SI/AK to quartz vein, and locally is very hematitic. This contact zone is estimated to be at $000^0/85^0$W. Within the vein is a second transitional zone of incompletely replaced SI/AK with quartz stringers.

Within the context of the limited trench-exposed mineralisation, the gold content is highly variable. Visually, the quartz seen in trenches SRT05-1, 2, 3 and 5 is very similar, yet the gold content of the quartz varies from only 20ppb in trench SRT05-3 to nearly 15g/t in trench SRT05-5. A cursory examination of the 36 element analytical results from the trench samples indicates a strong positive correlation between arsenic and gold, and possibly a weak negative correlation between iron and gold.

Faults have been postulated for the creation of three gullies in VV on the west side of the mapped area, but no offsets were seen. Joints and fractures have a generally northwesterly strike and dip steeply east to west. Faults with gouge were mapped in trenches SRT05-2 and 3, and in WZT04-3.

The El Gordo feature (Plate 1) is a prominent linear alteration zone that is intermittently traceable on the ground between the north end of Sullivan Ridge and Discovery Hill, a distance of 2.7km at an average azimuth of 201°. This feature is also readily discernible on the BC MapPlace digital elevation model (DEM) hillshade image of the area. On the ground, prospecting on a compass line run along the trend confirmed the presence of locally strong clay and iron-rich carbonate alteration, silicification and brecciation in float and small patches of subcrop. Discovery Hill is a narrow, low ridge (60m long x 10-25m wide) underlain by AVa with similar but much stronger alteration characteristics. This includes patchy intense hematitic silica replacement-type mineralisation carrying weakly elevated gold values (up to 88.8ppb); anomalous copper, arsenic and antimony; and strongly anomalous barium (up to 1688ppm) and mercury (to 3.51ppm).

A large number of float fragments containing quartz were found south and east of Discovery Hill. Their provenance has not been determined. Of thirty samples taken, twenty-two yielded analyses between 309ppb and 7,916ppb gold. Several pieces of lattice-textured bladed calcite with quartz pseudomorphs were found at two separate localities in this area. This texture is considered characteristic of boiling at the upper level of the precious metal deposition zone in an epithermal system.

In the West Zone the quartz vein has well defined contacts with the host andesite. Alteration of the andesite is predominantly silicification with minor ankerite, and sparse disseminated pyrite was noted in the AVa in trench WZT04-1. The gold content of the quartz in the three trenches varied between 5ppb and 395ppb.

5.0 GEOCHEMISTRY

5.1 Introduction

Geochemical sampling on and surrounding the present MERIT property area between 2002 and 2005 included the collection of stream sediment, soil and rock samples in a number of localities. Table 2 lists the sample types, sample numbers and number of samples collected pre- and post-staking.

Table 2: Geochemical Sample Summary

Sample type	Sample number series	Number of samples
Stream sediments	*MC-xxx*	*51*
Soils, recon	*MC-Sxxx*	*28*
Rocks, recon	*MC-Rxxx*	*72*
Stream sediments	MC-xxx	1
Soils, recon	MC-Sxxx	8
Soils, SR Grid	Grid coordinates	105
Soils, Main Grid	Grid coordinates	1077
Rocks, recon and	MC-Rxxx	43
Trench	MC-Rxxx	45

Notes: Pre-staking samples are indicated by italics.
SR Grid indicates the Sullivan Ridge Grid.

All samples were analysed for 36 elements. Complete results for these samples are listed on the Acme Analytical Laboratories Ltd. (Acme) Geochemical Analysis Certificates contained in Appendix A (Pre-Staking) and Appendix B (Post-Staking).

Also included are the Acme Assay Certificates for the selected rock samples submitted for assay. Tables in these Appendices list the samples, their UTM coordinates, brief descriptions and selected analytical results. Stream sediment and reconnaissance soil sample locations and numbers are plotted on Plate 2A; rock sample locations and numbers are shown on Plates 3A, 4A and 4B, and Figures 6A to 6E, 7A and 7B.

5.2 Sampling and Analytical Procedures

Sample locations were marked in the field in two ways. Stream sediment, recon rock and Sullivan Ridge Grid sample locations were indicated using pink flagging and labelled Tyvek tags. The Main Grid soil sample locations were marked with blue and orange flagging plus labelled Tyveck tags. UTM coordinates were determined for stream sediment and recon rock sample locations using a handheld GPS instrument. To locate soil samples on the Sullivan Ridge Grid, GPS readings were taken on the baseline and at the ends of each cross line.

Intermediate stations were interpolated. The start position of each Main Grid cross line was determined with a GPS instrument, intermediate readings were taken on each line at approximately 500m intervals, and the intervening sample locations calculated by interpolation. All readings were taken using the NAD 27 datum; these were later converted to the NAD 83 datum for presentation. The samples were shipped to Acme in Vancouver, BC, for 36-element analysis by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS).

Soil samples on the Sullivan Ridge Grid were collected at 25m intervals using a hip chain on ESE – WNW (110° – 290°) flagged compass lines spaced 100m apart. The sample spacing on the Main Grid was 50m, and the lines were nominally 200m apart. Soil sample holes were dug with a mattock or rock hammer, and about 0.5 kg of material collected. In most cases the B horizon was sampled, but in a few rocky locations the C or combined B/C horizon was sampled. Stream sediment samples (about 0.5kg) were collected from the finest silt/sand material available in the active channel, with minimum organic matter. Both types of sample were placed in labelled 10cm x 15cm Kraft paper bags and shipped to the laboratory. Sample preparation there involved drying at up to 60°C and sieving up to 100 grams from each sample to –80 mesh. Depending on the amount of –80 mesh material obtained, a 7.5, 15 or 30 gram subsample was cut and then leached with 180ml of 2-2-2 HCl-HNO_3-H_2O solution at 95°C for one hour, followed by dilution to 600ml and ICP-MS analysis.

Rock sample individual weights varied from <1 - 3kgs for float samples to 2.5 - 10 kgs for bedrock (continuous chip or channel) samples. Float samples consisted of chips taken from one or two larger cobbles, or of several smaller fragments collected from an area of a few square metres. Individual samples were placed in labelled plastic bags, with a label also placed within the bag, and shipped to the Acme laboratory in Vancouver. At the lab each rock sample was crushed to 70% passing 10 mesh followed by pulverizing a 250gm split to 95% passing 150 mesh. A 30gm subsample of each was digested and analysed as above.

5.2.1 Quality Control Measures

All of the soil sampling was conducted by very experienced samplers, with spot field checks by the Qualified Person (QP). Stream sediment and rock samples were collected by or under the direct supervision of the QP. All samples were accounted for, packed with due diligence and personally delivered to the Acme laboratory by the QP.

One stream sediment sample site (MC-128) was resampled (MC128-3) in an effort to replicate the original gold result. This was unsuccessful. At the time each of four sites (MC-127, -128, -136 and –138) was sampled, a bulk sample (~5kg) was also taken over 5 – 10m of stream bed and wet-sieved in order to collect more abundant fines for later (laboratory) generation of a –230 mesh subsample. These field-sieved samples (denoted with an S suffix in the sample

number) were handled and analysed in the same fashion as the conventional smaller sized (unsieved) samples from which only –80 mesh subsamples were generated. At two locations (MC-127S, 2.3ppb Au; MC-138S, 11.8ppb Au) the gold results from the –230 mesh fractions were markedly better than those from the regular samples (MC-127, 1.1ppb Au; MC-138, 1.7ppb Au). At the other two locations the gold results for the field-sieved samples (-230 mesh fractions) were markedly lower. The additional time/cost of field sieving samples mitigated against using this technique on a regular basis.

One of several soil stations on the Sulivan Ridge Grid which had returned very high gold results from initial sampling in October 2004 was resampled during 2005. The resample from this site (00S – 50W) returned a gold analysis of 317.1ppb versus 301.9ppb from the original (2004) sample. The resample values of other elements of interest – Ag, As, Sb, Hg, and Mo – also compared very closely with those from the original sample.

Acme runs standards and provides re-samples at varying intervals for each sample shipment analysed. A re-sample consists of analysing a second cut (subsample) from the same sample pulp (or occasionally reject portion), and is reported as a rerun (RE) or reject rerun (RRE) on the analysis certificate. In most cases there has been good reproducibility of results between the original subsamples and re-samples, with the exception of gold at the lower end of the detection range in some stream sediment and soil samples.

5.3 **Stream Sediment and Soil Geochemical Results** (Plates 2A, 2B, 5A-5E, Figures 5A-5E)

5.3.1 **Stream Sediments** (Plates 2A, 2B)

Interest in this area was aroused when the gold-in-sediment results for two Government Regional Geochemical Survey samples were published (92I811070 and 92I811072, each 7ppb Au, August Creek and Richardson Creek, respectively). Eight sites were stream sediment sampled during the initial follow-up in 2002, from August, Richardson, Roberts, James and Edgar Creeks (MC-126 to MC-128, MC-136 to MC-140). At four of these stations, a second sample was taken by wet sieving stream sediment to achieve a –230 mesh component (MC-127S, 128S, 136S and 138S). Using 2ppb Au as a threshold, the results for MC-126 (10.1ppb Au), MC-127S (2.3ppb Au), MC-128 (13.6ppb Au), MC-128S (2.2ppb Au), MC-136 (4.5ppb Au), and MC-138S (11.8ppb Au) are of interest (Plate 2B). The RGS anomaly of 7ppb Au in August Creek was not explained. The south fork of Richardson Creek, Roberts Creek, James Creek and Edgar Creek warranted further work. Four of the samples taken had slightly elevated Hg values (threshold = 0.03ppm Hg); only one of these had interesting Au (MC-126).

Five stream sediment samples were taken during 2003. Two of these were obtained a couple of kilometres upstream of MC-126 on Roberts Creek. Neither had elevated Au, although MC126-1 returned significant Hg (0.22ppm). The remaining three were taken one to two kilometres upstream of MC-128 on Edgar Creek. Sample MC-152, closest to MC-128, was the only one above the 2ppb Au threshold (2.7ppb Au).

During 2004 thirty-four stream sediment samples were taken before the property was staked, and one after (MC128-3). The latter was a resample of the MC-128 site. The sampling along Edgar Creek showed nothing of interest. There were two high values towards the western end of James Creek (MC-243, 67.2ppb Au andMC-266, 203.2ppb Au), but neither could be replicated. Two values immediately above site MC-126 on Roberts Creek were above threshold (MC126-3, 2.8ppb Au and MC126-4, 5.0ppb Au) and one west of MC-266 (MC-238, 3.4ppb Au); the remainder upstream were below threshold value. Four Au values one to 1.5 kilometres upstream from MC-138 on Richardson Creek were similarly just above threshold. The three additional samples from August Creek were all below 2.0ppb Au; the source for the 7.0ppb Au in stream sediment was not indicated.

Three areas of potential interest were indicated by the gold results from the stream sediment sampling programs between 2002 and 2004. These are west of the James Creek Ranch, the lower reaches of Roberts Creek and 1.5 kilometres west of MC-138 on Richardson Creek.

5.3.2 **Reconnaissance Soil Samples** (Plates 2A, 2B)

Prospecting and reconnaissance soil sampling were carried out concurrently with stream sediment sampling. A soil grab sample was commonly taken from patches of soil or scree derived from altered rock. Any alteration noted in road cuts was similarly sampled. Twenty eight reconnaissance soil samples were taken before the property was staked. Twelve of these were taken from a road cut colour anomaly northwest of the present property, and the gold results were insignificant. A soil sample (MC-S96) was taken from iron-rich carbonate altered scree north of Richardson Creek about one kilometre west of MC-138. This returned a high antimony value, 11.6ppm. During the subsequent follow-up, a small ridge of altered rock was noted. It is underlain by very hematitic, silica-replaced volcanic rock with clay and carbonate altered andesite on the flanks. Seven soil samples were taken at 10m spacing along this ridge; the results vary from 0.7ppb Au to 17.5ppb Au. Some of these samples had anomalous values in As, Sb, Hg or Mo. This ridge is called Discovery Hill. The remaining nine soil samples were taken at various places on and off the present property. Only one is anomalous in gold; MC-S49, 10.3ppb Au, west of the property.

While the MERIT claims were being staked the Sullivan Ridge Zone was discovered in the northeast corner of the property. This zone appeared to be on

strike with Discovery Hill, and a reconnaissance line of four soil samples was run between the two places in late 2004. Two of the four samples collected on this rough line returned above threshold gold values; they were taken from rusty soil derived from carbonate altered rocks. Another sample to the north of these, MC-S127, was collected during 2005 near the south end of the top of Sullivan Ridge in trench SRT05-04 and returned 106.4ppb Au. Two samples of altered soil were taken from the West Zone during 2005. One of these, MC-S126, 780.8ppb Au, was of soil from trench WZT04-3.

5.3.3 Grid Soil Samples – Sullivan Ridge Grid (Figures 5A-5E)

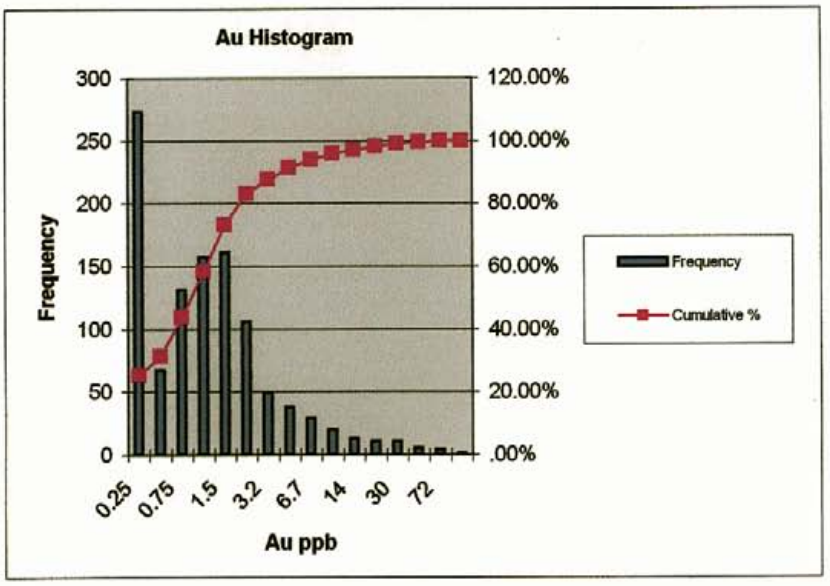
An 800m x 200m area of Sullivan Ridge was soil sampled during October, 2004. The 800m baseline was oriented at an average of 200° from a point 105m northeast of the northerly quartz knob (Trench SRT05-1) so as to follow the visible silica/ankerite alteration trend. The baseline followed approximately the break in slope on the east side of the ridge. Samples collected east of the baseline were from predominantly talus covered soils. Sample lines were run perpendicular to the baseline for 100m east and west, and soil samples collected at 25m intervals, slope corrected. Although each sample was analysed for 36 elements, gold and four pathfinder elements (As, Sb, Hg and Mo) were chosen for display. These elements, with Ag, are commonly associated with gold in low sulphidation epithermal gold deposits. Silver is present in varying amounts, but no positive correlation with Au was found. Anomalous levels for As, Sb, Hg and Mo were determined for this report using the statistics for the population of results for each element from the Main Grid (Figures 3 & 4). The elemental levels are shown on each figure (Figures 5A-5E). Samples collected along the baseline are anomalous to strongly anomalous in all five elements, and there is a very strong correlation between gold values and the values of the pathfinder elements.

The higher gold values are at the northern end of the grid (Figure 5A). The highest value, 306.7ppb Au, is at station 00E - 125S, immediately down slope from Trench SRT05-2 which had some significant gold results from channel samples – to 2.07g/t Au. The second highest value, 301.9ppb Au, at 00S - 50W, is on the north facing slope of the ridge in what appears to be relatively deep overburden. Prospecting and mapping in the immediate area did not find either outcrop or float that could explain this value or the adjacent ones, although an angular piece of quartz vein-bearing float (MC-R283, 724.5ppb Au) was found 28m to the SSE. Gold results are considered anomalous for all but five samples collected on the baseline. The widest part of the gold anomaly is on line 00S, and it appears to taper back to line 100S. There is another wide section in the anomaly between lines 400S and 500S.

Of the pathfinder elements, the arsenic anomaly (Figure 5B) has the greatest areal extent, and is considerably broader than the gold anomaly. Its western limit remains to be defined. The elevated molybdenum results (Figure 5E) also form a

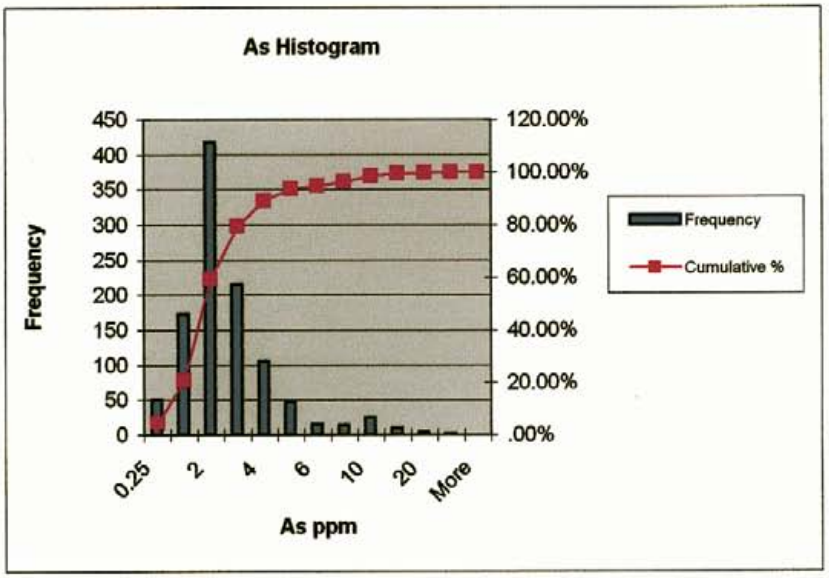
Merit Grid Au

Au ppb	Frequency	Cumulative %
0.25	273	25.37%
0.5	67	31.60%
0.75	131	43.77%
1	157	58.36%
1.5	161	73.33%
2.2	106	83.18%
3.2	49	87.73%
4.6	38	91.26%
6.7	29	93.96%
9.6	20	95.82%
14	13	97.03%
20	11	98.05%
30	11	99.07%
42	5	99.54%
72	4	99.91%
More	1	100.00%



Merit Grid As

As ppm	Frequency	Cumulative %
0.25	50	4.65%
1	173	20.72%
2	417	59.48%
3	215	79.46%
4	105	89.22%
5	47	93.59%
6	15	94.98%
7	14	96.28%
10	25	98.61%
15	9	99.44%
20	4	99.81%
30	2	100.00%
More	0	100.00%



Merit Grid Sb

Au ppb	Frequency	Cumulative %
0.05	35	3.25%
0.1	413	41.64%
0.2	353	74.44%
0.3	128	86.34%
0.4	49	90.89%
0.5	36	94.24%
0.6	18	95.91%
0.7	7	96.56%
0.9	14	97.86%
1.2	13	99.07%
1.6	4	99.44%
2.5	4	99.81%
More	2	100.00%

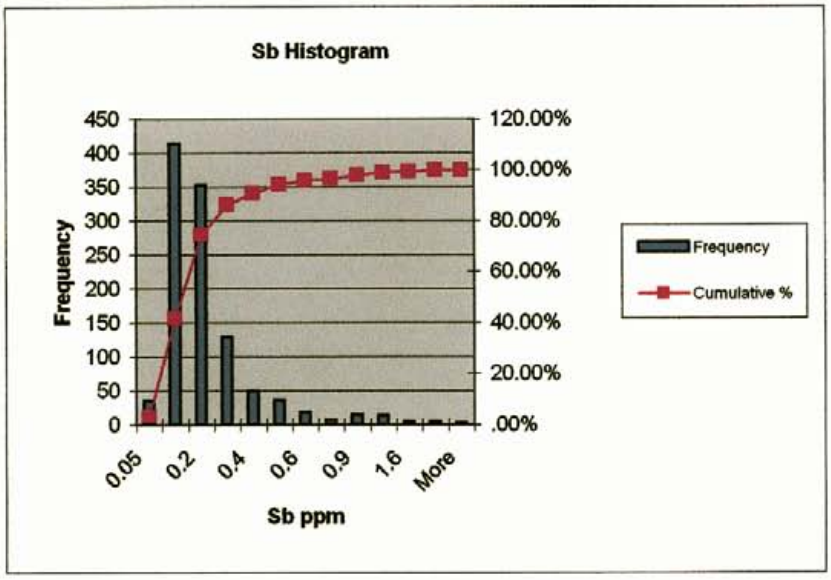
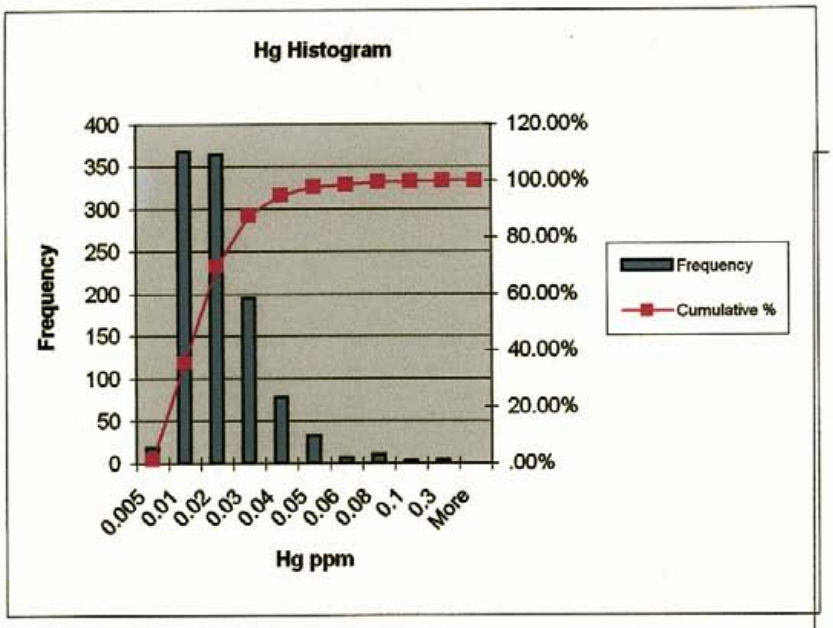


Figure 3: Soil Sample Histograms - Au, As, Sb

Merit Grid Hg

Hg ppm	Frequency	Cumulative %
0.005	18	1.67%
0.01	367	35.78%
0.02	364	69.61%
0.03	194	87.64%
0.04	78	94.89%
0.05	33	97.96%
0.06	6	98.51%
0.08	10	99.44%
0.1	2	99.63%
0.3	4	100.00%
More	0	100.00%



Merit Grid Mo

Mo ppm	Frequency	Cumulative %
0.1	2	.19%
0.2	90	8.55%
0.3	333	39.50%
0.4	388	75.56%
0.5	196	93.77%
0.6	45	97.96%
0.7	11	98.98%
0.8	6	99.54%
0.9	0	99.54%
1.2	2	99.72%
1.6	2	99.91%
More	1	100.00%

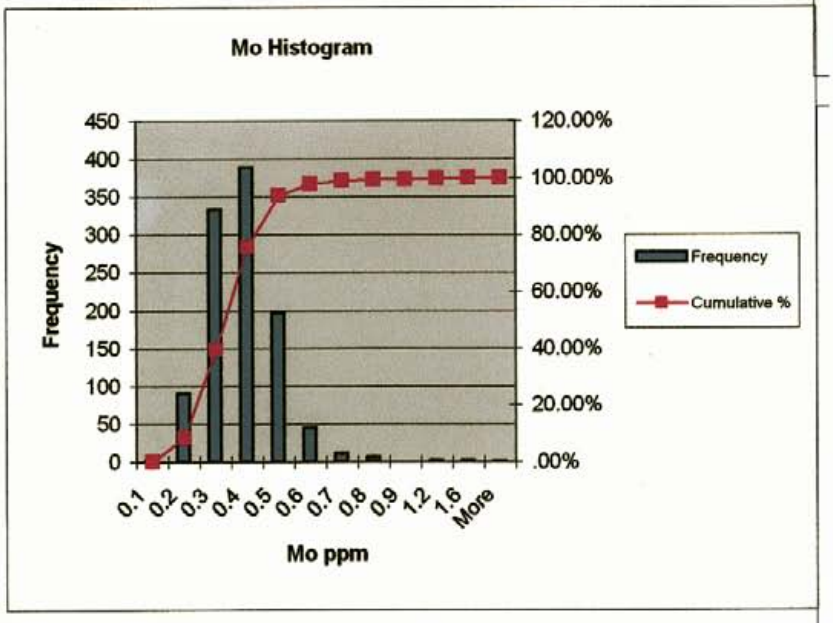


Figure 4: Soil Sample Histograms - Hg, Mo

Almaden Minerals Ltd.

637600E
637800E
638000E
5554600N
5554400N
5554200N
5554000N
5553800N
5553600N

00S 100W
3.2 83.5 301.9 10.3 35 2.5 3.7 6.1 1.7
00S 100E

100S
1.1 1.9 8.3 7.6 61.7 55.6 5.5 44.9
100S 00E
0 0.7 0.6 3.3

200S
2.8 1 1.6 0.7 0.1 2.8 0.7 306.7
200S 100E
2.2 1 4.1 -0.5

300S
-0.5 -0.5 -0.5 0.6 2.2 25.5 3.5 184.8
300S 200E
9.1 -0.5 1 0.5

400S
2.4 0.5 11.9 2.3 41 7.5 14.8 -0.5 1.3 0.6 26.9 6.8
400S 300E
3.9 4.4

500S
1.2 -0.5 2.7 67.5 3.5 3.3 6.1 0.8 16.3 -0.5 9.2
500S 400E

600S
-0.5 -0.5 6.8 4 1.7 39.6 5.2 2 1 2.4 0.6
600S 500E

700S
3.1 0.9 0.6 1.4 3.3 32.9 23.9 5.3 -0.5 1.1 -0.5 8.8
700S 600E

800S
1.1 -0.5 1.5 1.1 1.7 5.7 -0.5 6.2 -0.5 -0.5
800S 700E
100W 00E 100E

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol	>=	<	(number of samples in range)
◇	0	to 1.0 ppb	(30)
◇	1.0	to 2.2 ppb	(19)
◇	2.2	to 7.9 ppb	(32)
◇	> 7.9 ppb		(24)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Sullivan Ridge Grid
GOLD
Soil Geochemistry

1:2500

0 50 100

Drawn by JM
Dec, 2005

FIGURE 5A

Almaden Minerals Ltd.

637600E
637800E
638000E
5554600N
5554400N
5554200N
5554000N
5553800N
5553600N

00S 100W
00S 00E
00S 100E
100S
200S
300S
400S
500S
600S
700S
800S
100W
00E
100E

2.2 9.9 16.1 10.6 24.5 14.8 12.6 3.8 9.6
26.4 32.8
3.1 9.2 23.4 29.9 58.1 76.8 156.9 9.3
0 6 5.4 1.4
7.6 9.4 4.9 4.7 4.7 5.3 8.3 3.7 5.1 4.7
8.5 10.7 25.4
6.2 7.2 3 3.9 4.1 14.4 15.6 10.5
6.4 6 2.9
9.2 6.7 7.4 6.7 18.3 11.8 25.9 20 5.8
3.4 5.7 1.7
5.1 3.7 10.8 5.7 11.5 11.8 16.4 19 14.7
3.1 2.1 2
3 5.4 9 5.3 39.1 8.8 9.9 4.2 3.1 2.4 10.4 7.5
1.9 2 3.7 4.1 12.5 10.5 3.7 3.3 3.3 3.4 5.2 2.9
4.1 2.9 2.9 2 2.6 4 3 2.5 2.7 2.8

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol	>=	<	(number of samples in range)
	0.0	2.0 ppm	(4)
	2.0	3.0 ppm	(14)
	3.0	7.1 ppm	(41)
	> 7.1	ppm	(46)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Sullivan Ridge Grid
ARSENIC
Soil Geochemistry

1:2500

0 50 100

Drawn by JM
Dec, 2005

FIGURE 5B

Almaden Minerals Ltd.

637600E
637800E
638000E
5554600N
5554400N
5554200N
5554000N
5553800N
5553600N

00S 100W
00E
100E
00S
100S
100S
200S
200S
300S
300S
400S
400S
500S
500S
600S
600S
700S
700S
800S
100W
00E
100E
800S

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol	>=	<	(number of samples in range)
	0.0	0.2 ppm	(14)
	0.2	0.4 ppm	(44)
	0.4	0.7 ppm	(18)
	> 0.7	ppm	(29)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Sullivan Ridge Grid
ANTIMONY
Soil Geochemistry

1:2500

0 50 100

Drawn by JM
Dec, 2005

FIGURE 5C

Almaden Minerals Ltd.

637600E
637800E
638000E
5554600N
5554400N
5554200N
5554000N
5553800N
5553600N

100W
00S
00E
100E
100S
200S
300S
400S
500S
600S
700S
800S

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol	>=	<	(number of samples in range)
⊞	0	25 ppb	(43)
⊞	25	35 ppb	(18)
⊞	35	60 ppb	(22)
⊞	> 60 ppb		(22)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Sullivan Ridge Grid
MERCURY
Soil Geochemistry

1:2500

0 50 100

Drawn by JM
Dec, 2005

FIGURE 5D

Almaden Minerals Ltd.

637600E
637800E
638000E
5554600N
5554400N
5554200N
5554000N
5553800N
5553600N

00S 100W
0.3 0.8 1.3 0.7 1 0.8 0.7 0.3 0.5

100S
0.6 0.6 0.8 0.6 1.9 1.3 0.8 0.5

00E 100E 00S

200S
0.5 0.3 0.4 0.4 0.6 0.7 1 1.2 0.8 0.6 0.4 0.4 0.6 0.5

100S
0.5 0.3 0.5 1.1 11.6 0 0.8 0.3 0.5

300S
0.3 0.3 0.6 0.5 0.8 0.8 2 0.8 0.8 0.4

400S
0.5 0.5 0.6 0.4 1.2 0.6 0.9 2 1 0.6 0.3

500S
0.6 0.6 0.7 0.4 0.6 0.4 0.6 1 0.8 0.7 0.5 0.5

600S
0.5 0.3 0.4 0.5 0.6 2.2 0.8 0.6 0.7 0.6 0.5 0.6

700S
0.4 0.5 0.5 0.3 0.6 0.9 0.4 0.5 0.5 0.5 0.4 0.6

800S 100W 00E 100E
0.3 0.4 0.4 0.5 0.4 0.6 0.4 0.4 0.5 0.5

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol	>=	<	(number of samples in range)
▽	0.0	0.4 ppm	(11)
▽	0.4	0.5 ppm	(17)
▽	0.5	0.7 ppm	(42)
▽	> 0.7 ppm		(35)

ALMADEN MINERALS LTD.
1103-750 West Pender Street, Vancouver, British Columbia V6C 2T8

MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Sullivan Ridge Grid
MOLYBDENUM
Soil Geochemistry

1:2500

0 50 100

Drawn by JM
Dec, 2005

FIGURE 5E

wide anomaly, although more restricted than the arsenic. High values of antimony (Figure 5C) and mercury (Figure 5D) more or less mirror the elevated gold results.

5.3.4 **Grid Soil Samples - Main Grid** (Plates 5A-5E)

A coarse grid soil sampling program over a large part of the property was included in the 2005 exploration program. Twenty-eight east-west lines at 200m spacing were soil sampled at 50m intervals, and 1077 soil samples were collected. All were prepared as described in subsection 5.2, and analysed for 36 elements. The results for gold and the four chosen pathfinder elements are shown on Plates 5A to 5E. On these Plates, within the area marked Sullivan Ridge Grid, the element-in-soil values for Au, As, Sb, Hg and Mo received for the Sullivan Ridge Grid samples were included with the Main Grid results for contouring purposes, but the Sullivan Ridge Grid results were not included when the sample statistics were calculated. Histograms showing the distribution of Au, As, Sb, Hg and Mo were drawn using the analytical data from the 1077 Main Grid samples (Figures 3, 4).

Four large discrete gold-in-soil anomalies can be defined (Anomalies A, B, C and Sullivan Ridge, Plate 5A), and a number of smaller anomalous areas are indicated. The four large anomalies are elongate, 0.8 to 1.3km in length, 100 to 200m in width, and trend approximately north-south. With the exception of the Sullivan Ridge Anomaly they have relatively broad aureoles of lower value Au results. It is noteworthy that the West Zone quartz vein trend occupies a trough of low gold values, and that the Discovery Hill Zone is only weakly anomalous. The Sullivan Ridge Anomaly is the least of the four in size. The smaller anomalies are centered on 5554000N, 636850E; 5553800N, 637300E; 5553200N, 636850E; and 5550800N, 636900E. Anomalies A and B and the somewhat sub-anomalous zone in the southwest corner of the Main Grid have a 008^0 trend; the Discovery Hill to Sullivan Ridge trend (El Gordo structure/alteration trend) is 020^0; and the strike of anomaly C is 000^0. These trends are all approximately parallel to the Spius Creek and Spius West Faults.

High arsenic values cluster in three anomalous gold areas. Over Sullivan Ridge, the anomalous arsenic values have a wider surface extent than the anomalous gold values. A second anomalous arsenic area is coincident with gold Anomaly B, but again is broader. The third arsenic anomaly is on the west flank of gold Anomaly A. The West Zone is in an area of medium to low arsenic values, while medium arsenic values overlie the Discovery Hill area.

There are four discrete antimony anomalies. The largest coincides with gold Anomaly B, and it extends twice as far to the west. There is an antimony anomaly overlying Sullivan Ridge; it coincides with the gold anomaly, but is more restricted in area. The third antimony anomaly is centered on 5553100N, 637150E. It is coincident with a low-grade arsenic anomaly, and a single station

high gold value lies about 300m to the west. The fourth anomaly is a small one near the south boundary of the property.

Mercury values are reported by Acme in ppm, but were converted to ppb for presentation purposes. There are three areas with elevated mercury values. Discovery Hill to Sullivan Ridge is marked by an elongate series of mercury "highs". A broad zone of mixed mercury values occupies the northwest corner of the Grid. The north end of gold Anomaly A is flanked by higher mercury values, and a one station mercury anomaly coincides with the West Zone. Gold Anomaly C has peripheral mercury anomalies to the north, northwest and southwest.

With the exception of over Sullivan Ridge, elevated molybdenum results are generally spotty and peripheral to gold and mercury anomalies. One molybdenum anomaly lies between gold Anomaly A and the West Zone. In the southern part of the Main Grid, elevated molybdenum values mark the continuation of the El Gordo trend from Sullivan Ridge to well beyond Discovery Hill.

5.4 **Prospecting and Reconnaissance Rock Geochemical Results** (Plates 3A, 3B)

Seventy-two reconnaissance rock samples were collected before the property was staked. They were collected along Roberts Creek and James Creek or on road traverses, wherever quartz-bearing float or outcrop was seen. Close to 80% were collected on the southern half of the property, and almost 50% returned greater than 300ppb gold. The highest value was 7916.4ppb gold, returned by a composite sample of four pieces of quartz vein found over a 30m interval north of August Creek. Ten more samples returned over 1g/t gold. The vast majority of the material sampled was sub-angular to sub-rounded float fragments containing quartz.

Main Grid soil sample results from this area are generally very low. One rock sample (MC-R147) was collected from within the soil gold anomaly at 5550800N, 636900E; it returned 984.6ppb gold. Reconnaissance rock samples collected along Roberts Creek returned encouraging results (up to 1.8g/t Au) whereas the results of analyses of samples from James and Edgar Creeks were low.

Since the property was staked another 43 reconnaissance rock samples were taken, mostly in the Sullivan Ridge and West Zone areas. Eighteen (42%) returned above 300ppb Au, and eight yielded above 1g/t Au. Five of these eight are from Sullivan Ridge, including one with the highest gold analysis, 5180ppb

Au (subsequent assay – 6.71g/t Au). One was from near the West Zone, and other two are from the southeast area. They were taken in the vicinity of the sample that returned 7916.4ppb Au. In most cases the material sampled was angular to sub-angular float fragments with quartz veins or clasts. The results from Sullivan Ridge and the West Zone are much more variable than the results from the southeast quarter.

6.0 PHYSICAL WORK

6.1 Hand trenching

Physical work since the claims were staked in 2004 consisted of hand trenching. Eight trenches were excavated, five on Sullivan Ridge and three in the West Zone. The relative locations of these trenches are shown on Plates 1, 4A and 4B, and individually in greater detail on Figures 6A-6E and 7A-7B. Each of the trenches was excavated to bedrock. The exposures were thoroughly cleaned using whisk brooms and mapped before sampling. The sample intervals were determined from the geology of each exposure. A profile was drawn of each trench, after the sample intervals were decided, and the horizontal length of each sample determined. Each sample was taken using a hammer and moil or chisel to create a channel 5 – 7cm wide and up to 6cm deep for the length of each sample. Sample weights varied from 2.5kg to over 10kg. The physical work involved is summarised in Table 3. The analytical results for samples taken from each trench are listed on the drawing for each trench.

Table 3: Trench Summary

Trench No.	Slope Length, m	Average Width, m	Average Depth, m	Volume, m^3	# Rock Samples
SRT05-01	4.4	0.95	0.20	0.84	5
SRT05-02	8.5	1.45	0.20	2.46	10
SRT05-03	9.6	1.73	0.25	4.15	6
SRT05-04	2.0	0.80	0.40	0.64	2
SRT05-05	3.7	0.65	0.25	0.60	4
WZT04-01	2.5	1.20	0.25	0.75	4
WZT04-02	2.3	2.00	0.25	1.15	5
WZT04-03	5.5	1.50	0.30	2.48	7
Total	38.5			13.07	43

6.1.1 Trench SRT05-1 Results (Figure 6A)

Three small knobs of quartz were found during the reconnaissance phase of the 2004 exploration program. Trench SRT05-1 was dug to expose the hanging wall and footwall of the most northerly exposure. Textures in the quartz zone indicate that it is an extensively silicified and carbonate altered andesite breccia. The principal alteration minerals appear to be silica and ankerite. Locally there is 100% quartz. The west or hanging wall is altered andesite, with rusty orange-yellow ankerite the principal alteration mineral. The immediate footwall of the quartz zone is probably a breccia, almost totally replaced by silica and ankerite. To the east this grades into a breccia with silica/ankerite and altered andesite clasts. Three channel samples were cut across the intensely altered zone; the gold results of these average 366ppb Au over 2.35m.

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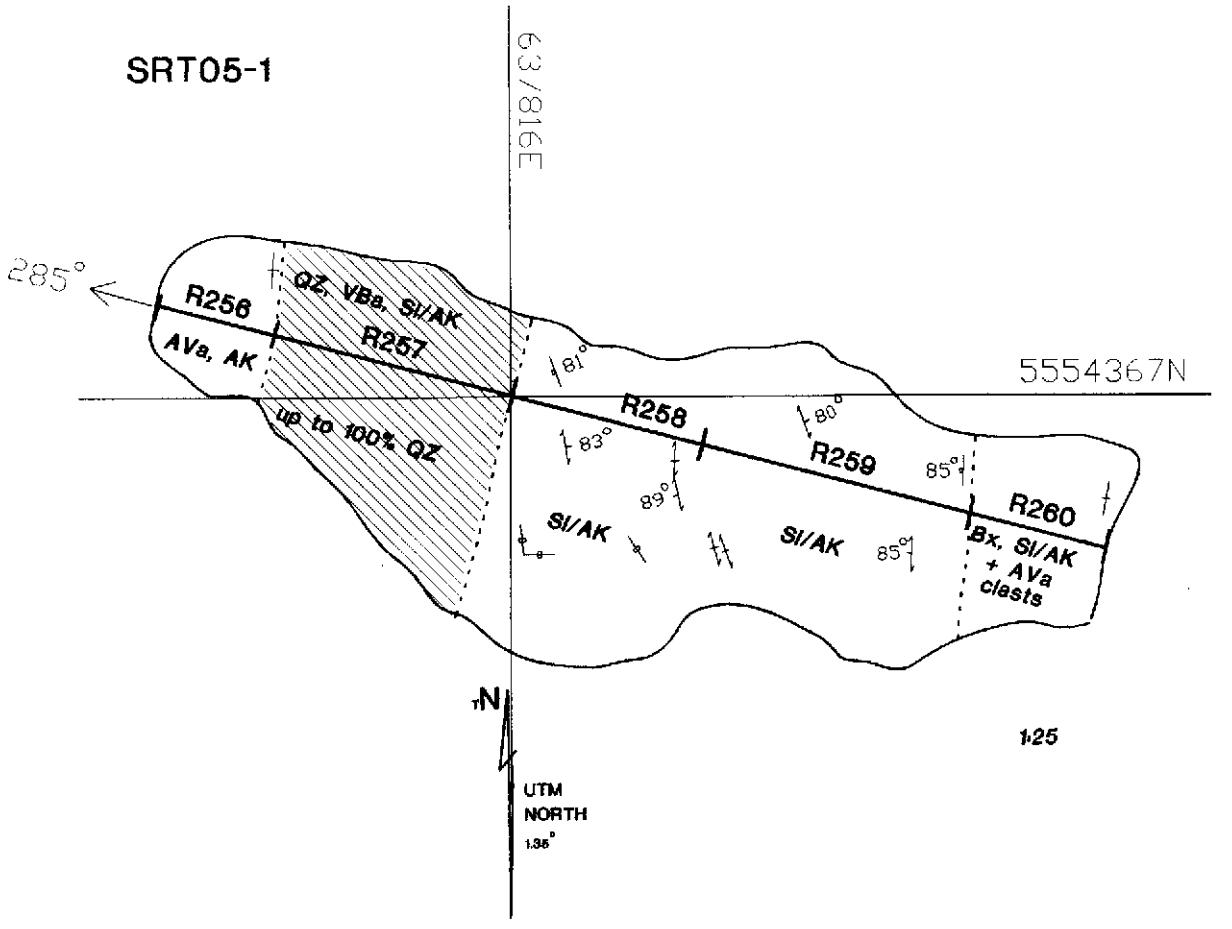

LEGEND

ROCK TYPES

QV - Quartz Vein
AV - Andesitic Volcanic
VV - Vesicular Volcanic
PV - Porphyritic Volcanic
VB - Volcanic Breccia
XXa - Altered

MINERALOGY

QZ - Quartz
PY - Pyrite

ALTERATION

Sl - Silica
AK - Ankerite
FeO - Hematite +/- limonite

ABBREVIATIONS

O/C - Outcrop
S/C - Subcrop
O/B - Overburden
BX - Breccia
HW - Hangingwall
FW - Footwall
WP - Waypoint

SYMBOLS

Fault, shear, existence uncertain
Fault, shear
85° Contact strike & dip
85° Jointing strike & dip
85° Fracture strike & dip
Geological contact
Muckpile boundary
Channel sample location
Grab sample location

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.
Sample length is horizontal distance.

GOLD RESULTS

Sample No.	Length (m)	Au (ppb)
R256	0.40	50
R257	0.80	358
R258	0.65	539
R259	0.90	248
R260	0.45	42

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SULLIVAN'S RIDGE ZONE TRENCH SRT05-1 PLAN

0 0.25 0.50 0.75 1.00
Meters

Drawn by JH
NOV. 2005

Figure 6A

6.1.2 Trench SRT05-2 Results (Figure 6B)

Trench SRT05-2 was dug on a second quartz knob 20m south of Trench SRT05-1. The rocks in the hanging wall and footwall are similar to those exposed in Trench SRT05-1, with ankeritic andesite and narrow quartz veins on the west side, and silicified andesite breccia on the east. A shear marks the contact between the altered andesite and the quartz zone (80% - 100% quartz). As the shear is approached from the west the quantity of silica in the andesite increases. The samples taken either side of the shear (R263, R264, Figure 6B) average 1.72g/t Au over 1.4m.

The quartz zone is intermittently visible 3 – 4m north of the channel sampled section. Two channel samples were taken in this area (R269, R270). Each of these returned in excess of 600ppb Au.

6.1.3 Trench SRT05-3 Results (Figure 6C)

This trench was dug on the third quartz knob, 20m south of Trench SRT05-2. Both the hanging wall and footwall rocks of the quartz zone are silica/ankerite altered andesite breccia, with the footwall being very silicious. The quartz zone is truncated on the north by a 10 – 30cm wide shear zone. None of the five samples returned encouraging results.

6.1.4 Trench SRT05-4 Results (Figure 6D)

This small trench was located to explore in the vicinity of a large rotated block of brecciated quartz vein. Chip/channel sample MC-R221 (407ppb Au) was taken in 2004. The trenching exposed a 30cm wide, north trending quartz-carbonate vein with altered andesite on the east side. The western contact is hidden by a large tree root. A second sample, MC-R292 (10ppb Au), was taken from another rotated block of brecciated quartz-calcite vein material. A composite soil sample (MC-S127) was obtained; this yielded a strongly anomalous gold value of 106ppb.

6.1.5 Trench SRT05-5 Results (Figure 6E)

During the prospecting and mapping program on Sullivan Ridge a number of occurrences of quartz chips and silica/ankerite alteration were noted north of Trench SRT05-1. Six samples of this material were taken (MC-R271 – R276, Plate 4B); three returned gold results in excess of 1g/t Au (R272, 1.37g/t Au; R 275, 1.47g/t Au; R276, 6.71g/t Au). Late in the season, Trench SRT05-5 was dug adjacent to sample R276, 38m north of Trench SRT05-1. The hanging wall and footwall rocks exposed are less silica/ankerite altered than those to the south, but they are more hematitic. Two quartz zones were revealed, with

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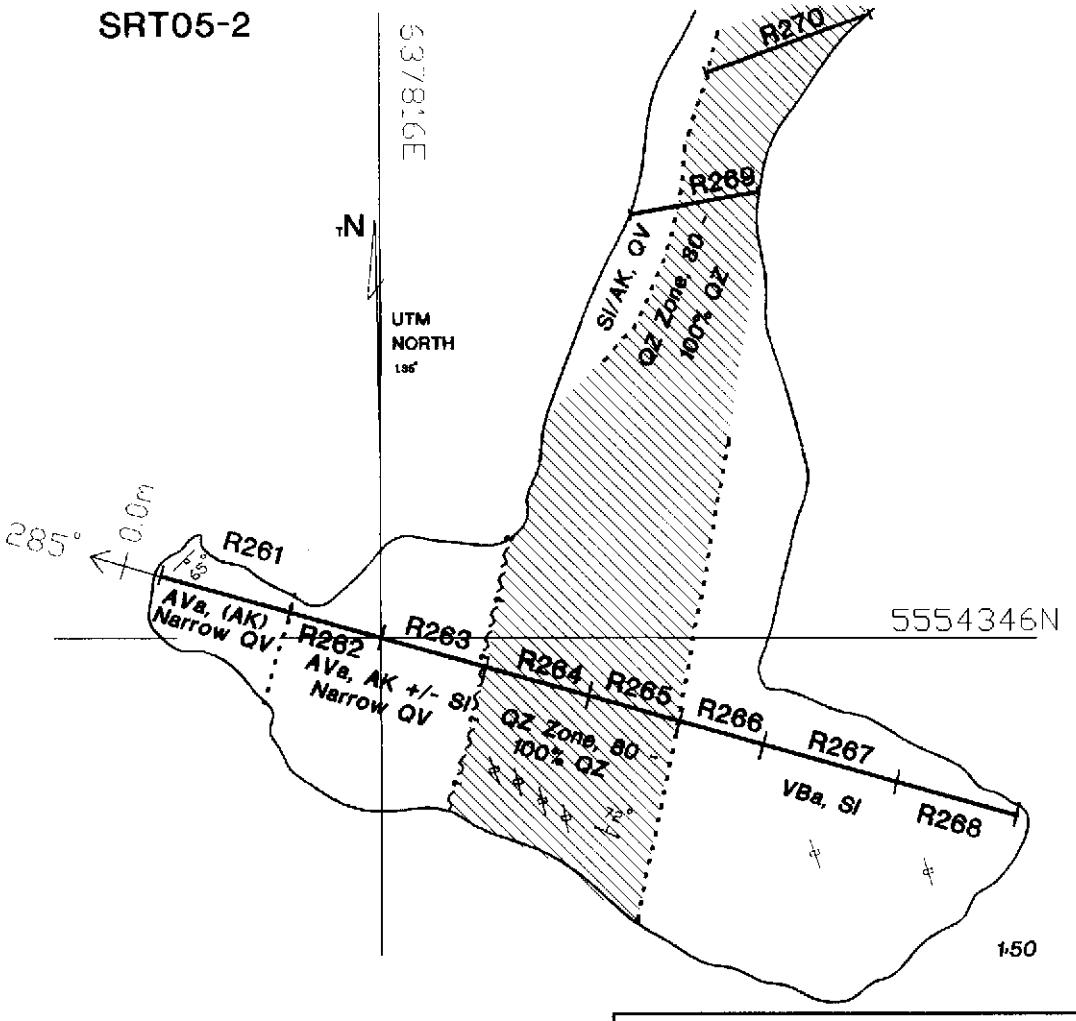
SRT05-2



GOLD RESULTS

Sample No.	Length (m)	Au (ppb)	Au (g/t)
R261	0.90	38	
R262	0.63	225	
R263	0.70	1431	1.37
R264	0.70	1898	2.07
R265	0.62	418	
R266	0.57	53	
R267	0.92	136	
R268	0.80	47	
R269	0.85	748	
R270	1.15	623	

LEGEND

ROCK TYPES
- QV - Quartz Vein
- AV - Andesitic Volcanic
- VV - Vesicular Volcanic
- PV - Porphyritic Volcanic
- VB - Volcanic Breccia
- XXa - Altered

MINERALOGY
- QZ - Quartz
- PY - Pyrite

ALTERATION
- SI - Silica
- AK - Ankerite
- FeO - Hematite +/- limonite

SYMBOLS
- Fault, shear, existence uncertain
- Fault, shear
- 85° Contact strike & dip
- 85° Jointing strike & dip
- 85° Fracture strike & dip
- Geological contact
- Muckpile boundary
- Channel sample location
- Grab sample location

ABBREVIATIONS
- O/C - Outcrop
- S/C - Subcrop
- O/B - Overburden
- BX - Breccia
- HW - Hangingwall
- FW - Footwall
- WP - Waypoint

SAMPLES
- Rxxx - Rock Sample Number (MC- omitted)
- Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES
- Analyses by ICP-MS, on 30gm subsample.
- Gold values rounded to nearest 1ppb.
- Sample length is horizontal distance

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SULLIVAN'S RIDGE ZONE TRENCH SRT05-2 PLAN

0 0.5 1.0 1.5 2.0
Meters

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NOV. 2005

Figure 6B

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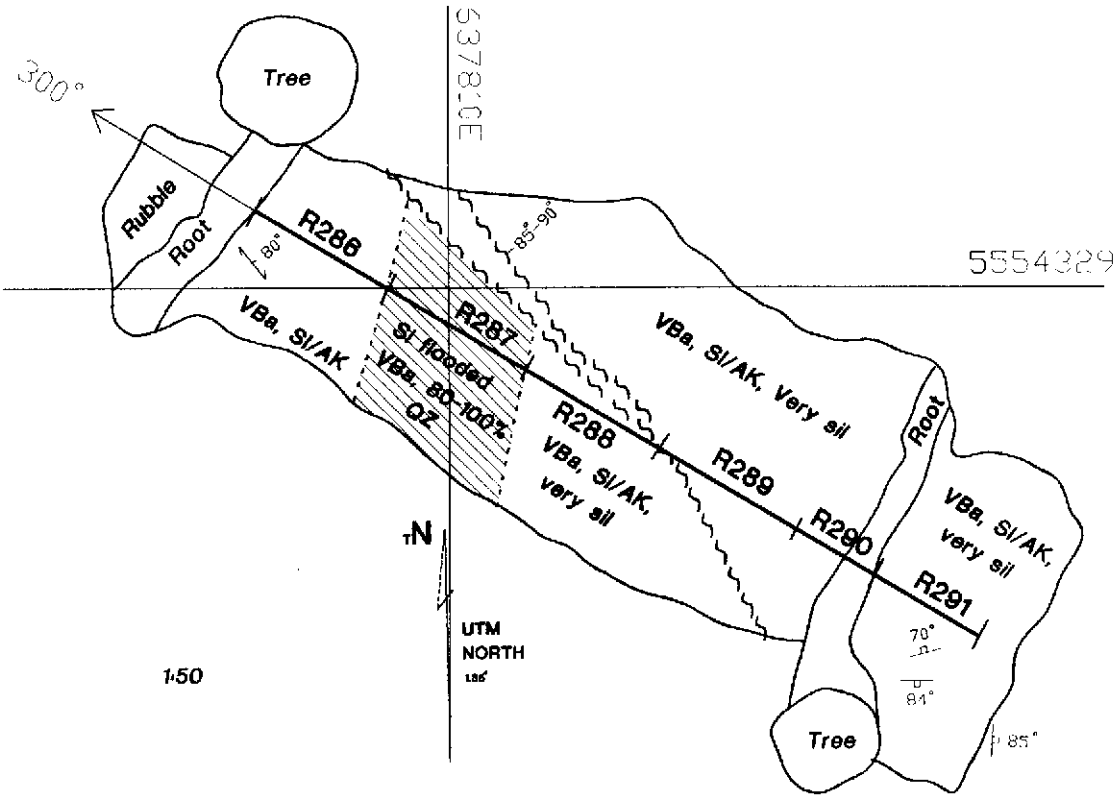
SRT05-3



LEGEND

ROCK TYPES
- QV - Quartz Vein
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- VV - Vesicular Volcanic
- PV - Porphyritic Volcanic
- VB - Volcanic Breccia
- XXa - Altered

MINERALOGY
- QZ - Quartz
- PY - Pyrite

ALTERATION
- Sl - Silica
- AK - Ankerite
- FeO - Hematite +/- limonite

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- WP - Waypoint

SAMPLES
- Rxxx - Rock Sample Number (MC- omitted)
- Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES
- Analyses by ICP-MS, on 30gm subsample.
- Gold values rounded to nearest 1ppb.
- Sample length is horizontal distance

GOLD RESULTS

Sample No.	Length (m)	Au (ppb)
R286	1.00	45
R287	1.05	20
R288	1.00	9
R289	1.05	20
R290	0.60	7
R291	0.80	6

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0 0.5 1.0 1.5 2.0
Meters

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NOV. 2005

Figure 6C

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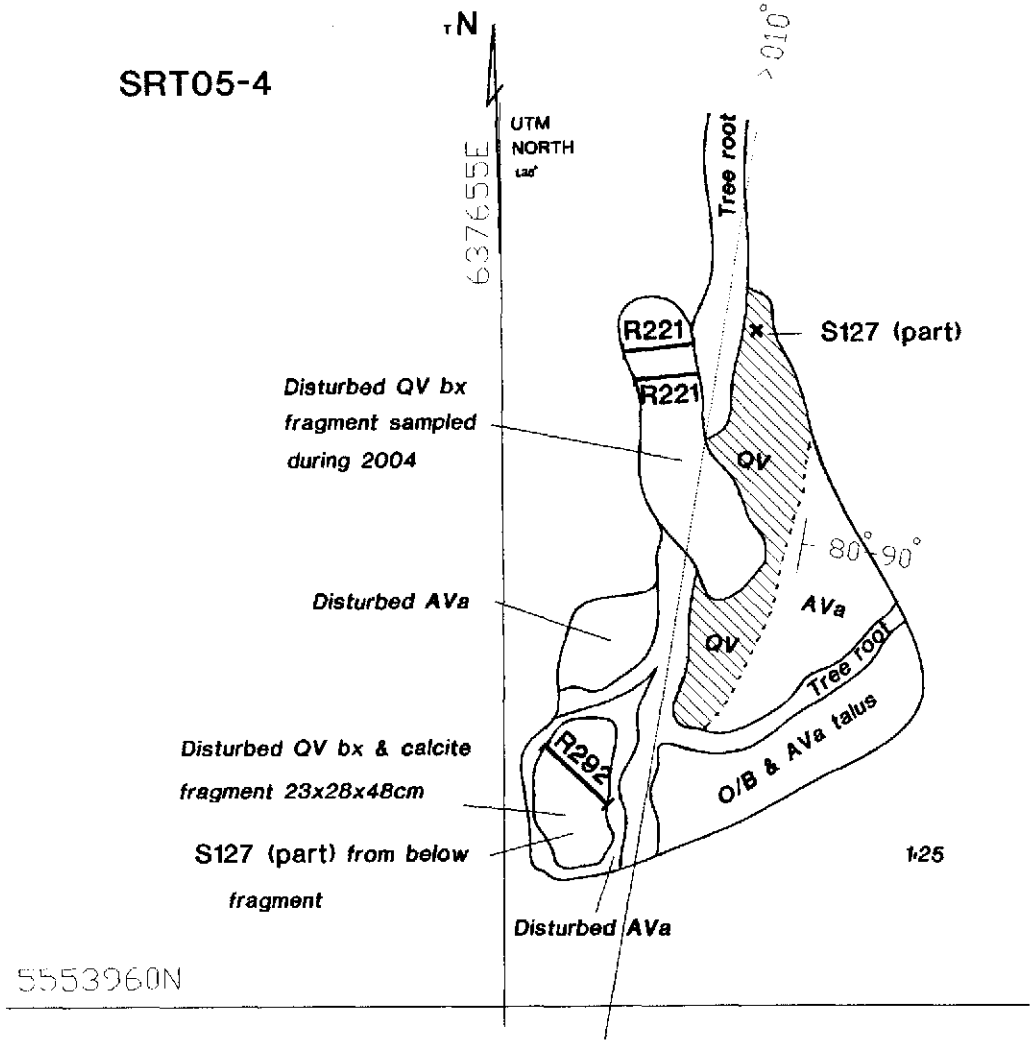
SRT05-4



LEGEND

ROCK TYPES

QV - Quartz Vein
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MINERALOGY

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- 85° Fracture strike & dip
- Geological contact
- Muckpile boundary
- Channel sample location
- Grab sample location

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.
Sample length is horizontal distance.

GOLD RESULTS

Sample No.	Length (m)	Au (ppb)
S127	Soil Grab	106
R292	0.28	10
R221	0.47•	407

•Note: combined length of two cuts

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SULLIVAN'S RIDGE ZONE TRENCH SRT05-4 PLAN

0 0.25 0.50 0.75 1.00
Meters

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Figure 6D

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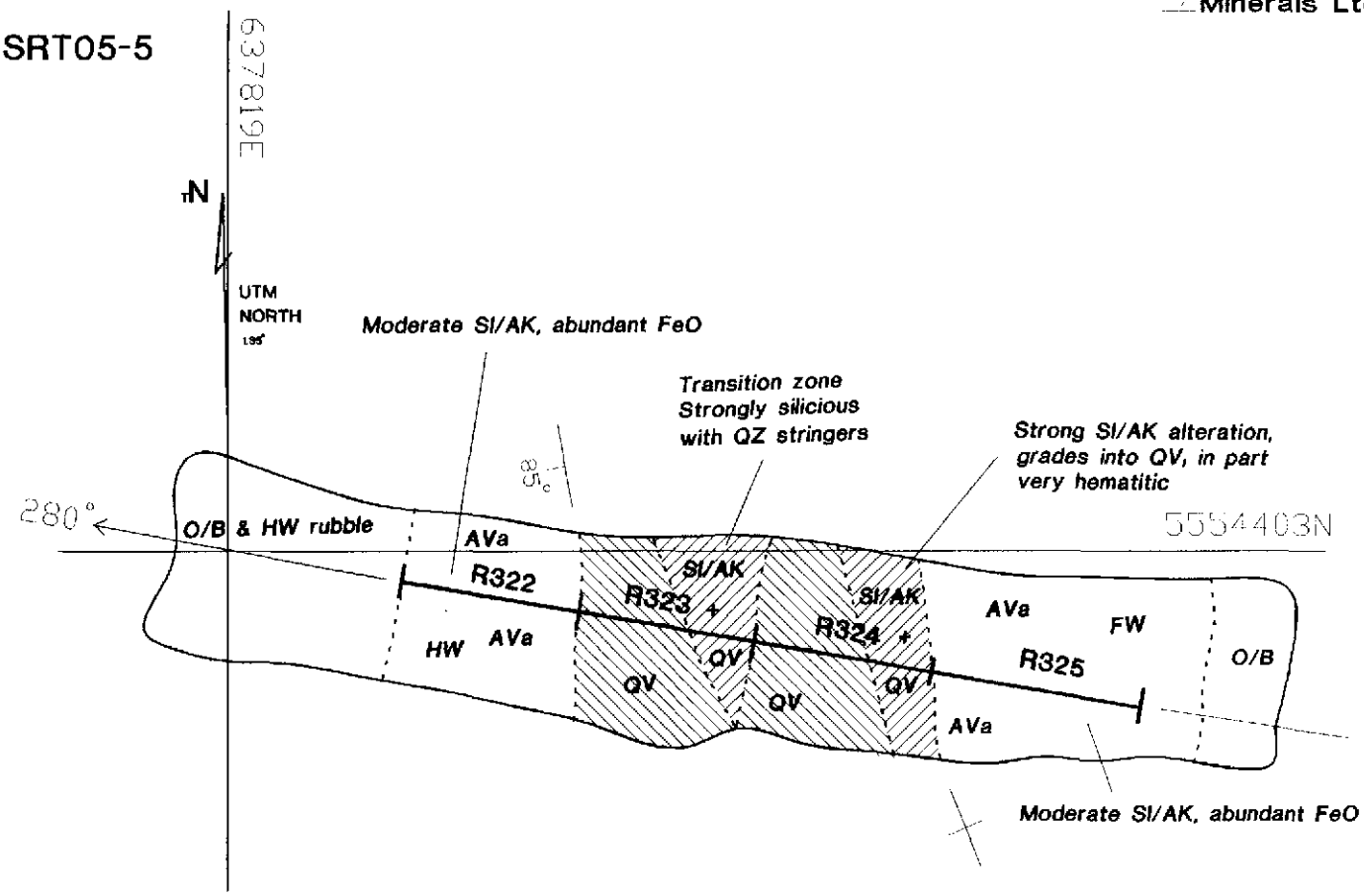
SRT05-5



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LEGEND

ROCK TYPES

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XXa - Altered

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Fault, shear
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85° Fracture strike & dip
Geological contact
Muckpile boundary
Channel sample location
Grab sample location

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.
Sample length is horizontal distance.

GOLD RESULTS

Sample No.	Length (m)	Au (ppb)	Au (g/t)
R322	0.60	1098	1.23
R323	0.60	4781	5.56
R324	0.60	11523	14.94
R325	0.70	366	0.44

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SULLIVAN'S RIDGE ZONE
TRENCH SRT05-5 PLAN

0 0.25 0.50 0.75 1.00
Meters

Drawn by JH
NOV. 2005

Figure 6E

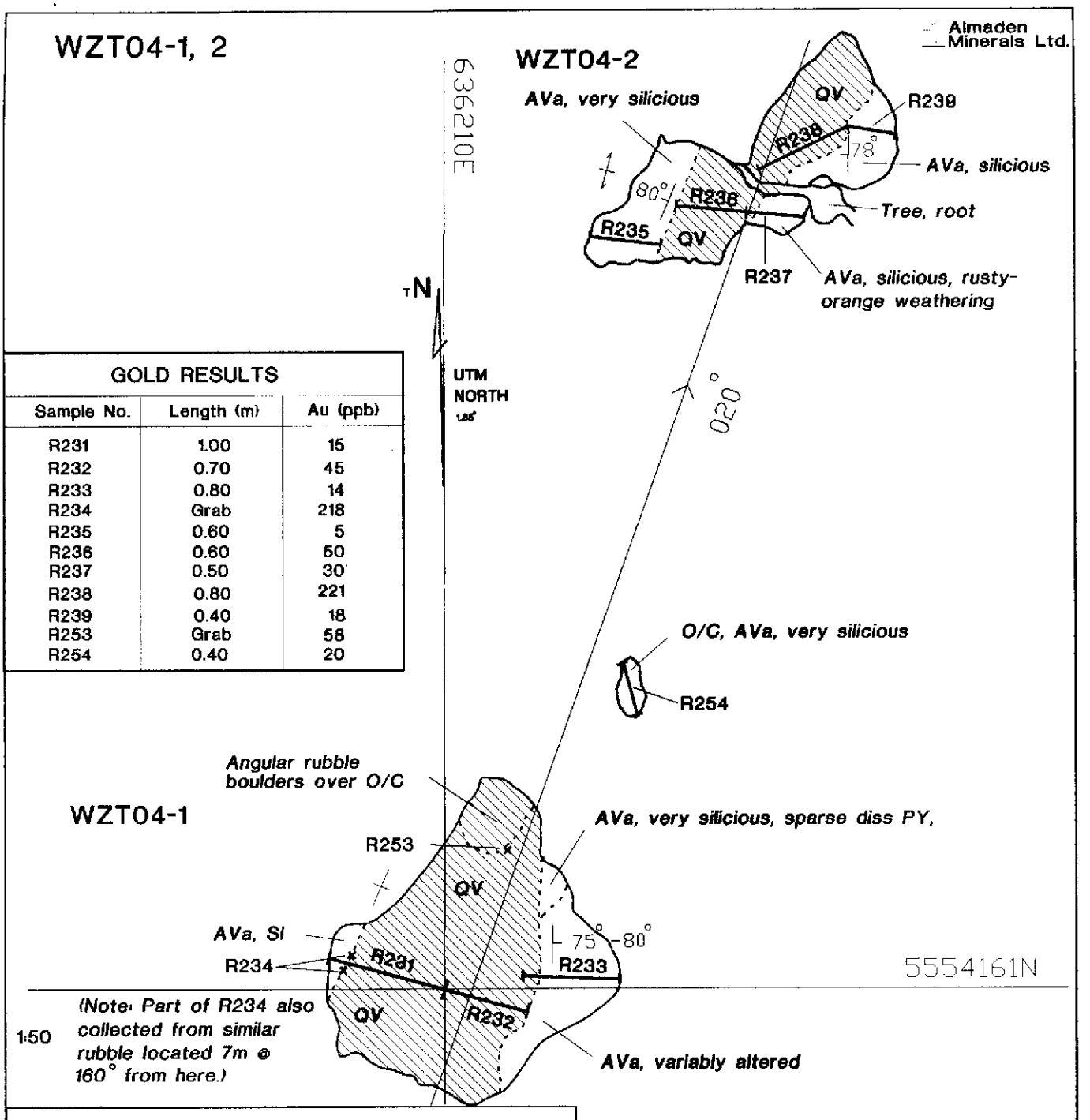
intermediate transition zones of extensive silica/ankerite +/- quartz veins +/- hematite alteration. Three samples returned over 1g/t Au – R322, 1.23g/t Au; R323, 5.56g/t Au; and R 324, 14.94g/t Au. The average of these is **7.24g/t Au over 1.8m**. The final sample on the footwall side gave 0.44g/t Au over 0.7m.

6.1.6 Trench WZT04-1, 2 Results (Figure 7A)

A large patch of carbonate-altered scree was noted while staking in the northwest corner of the property. Prospecting in this area after the staking was complete led to the discovery of two resistant knobs, which when investigated were found to be underlain by quartz. Trenches WZT04-1 and 2 were dug on the more prominent of these, which are believed to mark a quartz vein continuous over 9.5m and varying where exposed from 0.8m to 1.5m in width. Unfortunately, only one channel sample of the vein material returned over 100ppb Au. This is a strong structure, as angular quartz rubble has been traced for 150m to the north and an equal distance to the south, with a better gold value of 881ppb generated from a grab sample (MC-R243) along this trend.

6.1.7 Trench WZT04-3 Results (Figure 7B)

A third resistant knob was found 37m south of Trench WZT04-1 while tracing the trend of the quartz vein in Trenches WZT04-1 and –2. This was trenched and a strong quartz vein exposed. This vein is probably the continuation of the exposures to the north. The northern 3m are highly disturbed, with minor offsets to the northeast. The hanging wall and footwall rocks are mildly altered andesite. Five channel samples were cut in the vein, two tabular quartz boulders found west of the vein were sampled, and a soil grab was taken from the south end of the vein. The soil grab (S126) returned the highest Au value, 781ppb. One of the boulder samples (R294) gave 395ppb Au, and a 0.8m channel sample across the vein (R297) returned 354ppb Au. All but one of the remaining samples contain between 100ppb and 300ppb Au.



GOLD RESULTS

Sample No.	Length (m)	Au (ppb)
R231	1.00	15
R232	0.70	45
R233	0.80	14
R234	Grab	218
R235	0.60	5
R236	0.60	50
R237	0.50	30
R238	0.80	221
R239	0.40	18
R253	Grab	58
R254	0.40	20

LEGEND

ROCK TYPES

QV - Quartz Vein
AV - Andesitic Volcanic
VV - Vesicular Volcanic
PV - Porphyritic Volcanic
VB - Volcanic Breccia
XXa - Altered

MINERALOGY

QZ - Quartz
PY - Pyrite

ALTERATION

SI - Silica
AK - Ankerite
FeO - Hematite +/- limonite

ABBREVIATIONS

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HW - Hangingwall
FW - Footwall
WP - Waypoint

SYMBOLS

Fault, shear, existence uncertain
Fault, shear
85° Contact strike & dip
85° Jointing strike & dip
85° Fracture strike & dip
Geological contact
Muckpile boundary
Channel sample location
Grab sample location

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.
Sample length is horizontal distance.

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WEST ZONE
TRENCH WZT04-1, 2 PLAN

0 0.5 1.0 1.5 2.0
Meters

Drawn by JH
NOV. 2005

Figure 7A

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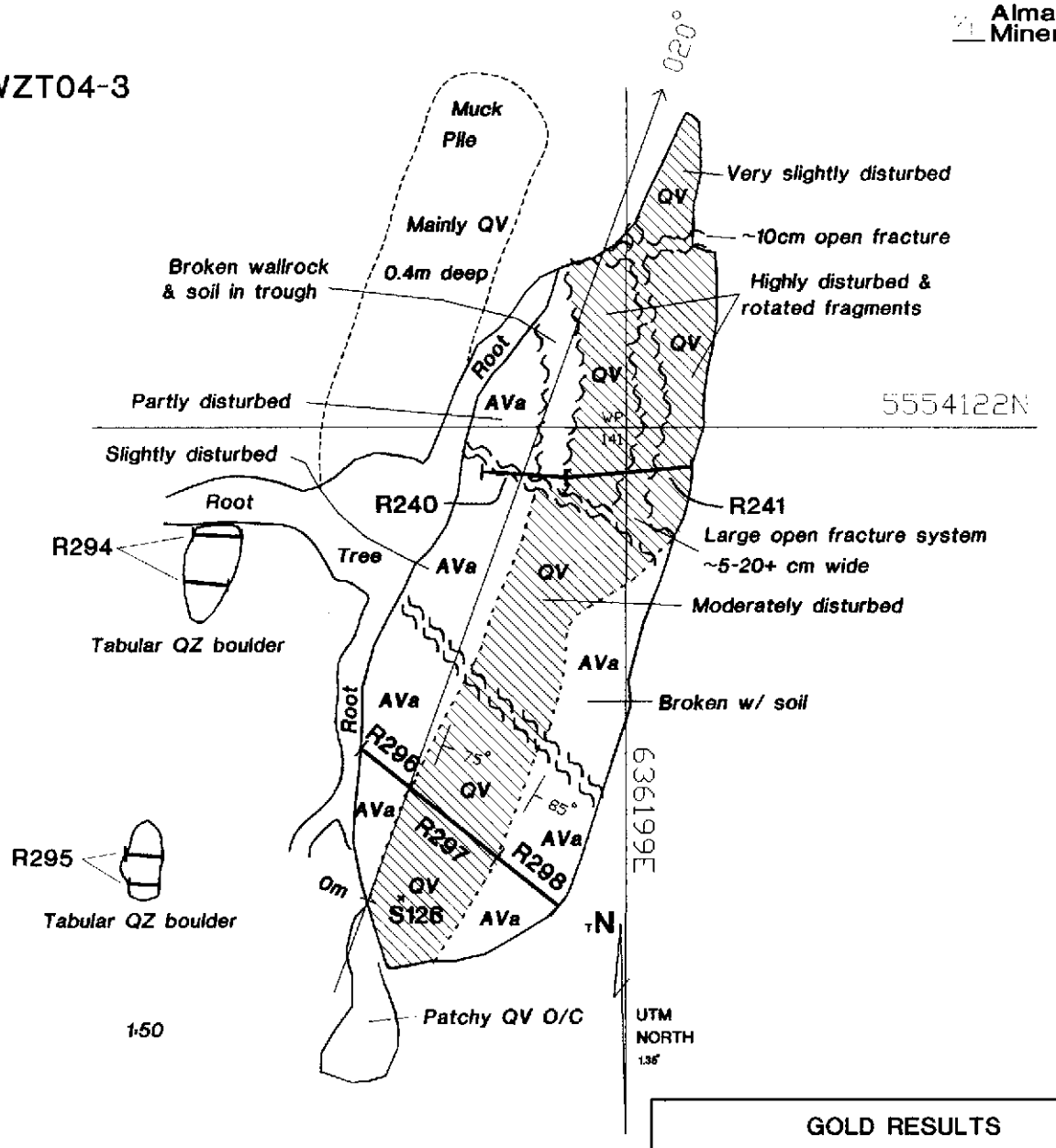
WZT04-3



LEGEND

ROCK TYPES

- QV - Quartz Vein
- AV - Andesitic Volcanic
- VV - Vesicular Volcanic
- PV - Porphyritic Volcanic
- VB - Volcanic Breccia
- XXa - Altered

MINERALOGY

- QZ - Quartz
- PY - Pyrite

ALTERATION

- SI - Silica
- AK - Ankerite
- FeO - Hematite +/- limonite

SYMBOLS

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ABBREVIATIONS

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SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.

GOLD RESULTS

Sample No.	Length (m)	Au (ppb)
R240	0.60	124
R241	0.90	312
R294	0.65	395
R295	0.45	114
R296	0.45	155
R297	0.80	354
R298	0.55	17
S126	Soil Grab	781

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MERIT PROPERTY

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WEST ZONE
TRENCH WZT04-3 PLAN

0 0.5 1.0 1.5 2.0
Meters

Drawn by JH
NOV. 2005

Figure 7B

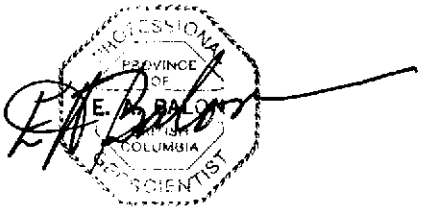
7.0 PERSONNEL & CONTRACTORS

Company Personnel	Work Period	Field Time – Days (Includes travel)
E.A. Balon, P.Geo	Sep 14-18, 2004	2.50
North Vancouver, BC	Oct 20-30, 2004	5.25
Project Manager (QP)	Aug 08-30, 2005	21.50
Prospector/Sampler		
Contract Personnel		
B.W. Sullivan	Sep 14-18, 2004	3.00
(Bare West Enterprises Ltd.)		
Vancouver, BC		
Prospector/Sampler		
J.L. Tindle	Oct 20-30, 2004	7.25
Whistler, BC	Aug 08-24, 2005	16.00
Sampler/Prospector		
E.N. MacKenzie	Aug 09-30, 2005	20.00
Vancouver, BC		
Sampler/Prospector		
J.J. Hylands, P.Eng	Aug 21-27, 2005	6.00
(Hylands Geol. Services Ltd.)		
West Vancouver, BC		
Consulting Geologist		
TOTAL		81.50 days

8.0 STATEMENT OF COSTS

(All items rounded to the nearest dollar; expenditures incurred for the assessment period September 14, 2004 to September 13, 2005.)

SALARY AND BENEFITS (E.A. Balon)	$7,312
CONTRACT FIELD SERVICES	
Bare West Enterprises Ltd.	750
Hylands Geological Services Ltd	1,800
Eric MacKenzie	5,000
Jan Tindle	5,667
SAMPLE PREPARATION & GEOCHEMICAL ANALYSES (Acme Analytical Laboratories Ltd.)	17,836
TRUCK RENTALS, FUEL & MISCELLANEOUS TRAVEL EXPENSES	4,150
ACCOMMODATION & FOOD	6,082
COMMUNICATIONS (Telephone & Courier)	172
GENERAL FIELD SUPPLIES	933
MAPS, PHOTOS & REPRODUCTIONS	78
TOTAL EXPENDITURES (Exclusive of Report Preparation)	$49,780



9.0 STATEMENT OF QUALIFICATIONS

I, Edward A. Balon, of North Vancouver, British Columbia, hereby certify that:

1. I am a prospector and geological/mining technician residing at 501-250 West First Street, North Vancouver, BC, and am employed by Almaden Minerals Ltd. of 1103-750 West Pender Street, Vancouver, British Columbia, V6C 2T8.

2. I am a graduate of Northern College – Haileybury School of Mines, Haileybury, Ontario (1970), with a diploma in Mining Engineering Technology (integrated Geology, Mining and Metallurgy)

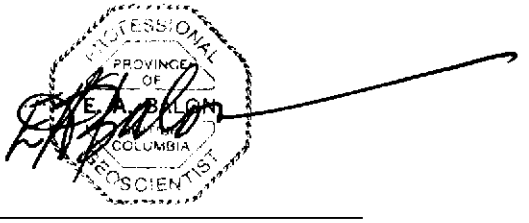
3. I have attended numerous Continuing Education Courses in Geoscience since 1970, including Exploration Geochemistry at the University of British Columbia, Vancouver, BC, in 1984/1985.

4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), license number 20265, since 1993.

5. I have worked continuously in mineral exploration for thirty-six years in British Columbia, Yukon, Northwest Territories, USA and Mexico.

6. I am a co-author and the editor of this report, and I have been the supervisor (Qualified Person) for all of the fieldwork performed to date on the MERIT property.

ALMADEN MINERALS LTD.



Edward A. Balon, P.Geo

9.0 STATEMENT OF QUALIFICATIONS

I, James J. Hylands, of West Vancouver, British Columbia, hereby certify that:

1. I am a consulting geologist residing at 1430 Inglewood Avenue, West Vancouver, BC, V7T 1Z1, and am employed by Hylands Geological Services Ltd. of the same address.

2. I am a graduate of Northern College – Haileybury School of Mines, Haileybury, Ontario (1958), with a diploma in Mining Engineering Technology (integrated Geology, Mining and Metallurgy)

3. I am a graduate of the University of British Columbia, Vancouver, BC, (1966) with a degree in Geological Engineering (BASc).

4. Between 1966 and 1970 I attended Stanford University, Palo Alto, California, and undertook post-graduate studies in geochemistry.

5. I have attended Continuing Education Courses in Geoscience since 1970, at the University of British Columbia, McGill University and various colloquia.

6. I have been a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), license number 8177, since 1972.

7. I have worked continuously in mineral exploration and mining, including summer employment, since 1956 in Quebec, Ontario, British Columbia, Yukon, Northwest Territories, USA, Philippines, Jamaica and Tanzania.

8. I was employed by Almaden Minerals Ltd., 1103-750 West Pender Street, Vancouver, BC, V6C 2T8, during the period August 21 – 27, 2005, to geologically map a portion of the MERIT property.

9. I am a co-author of this report.

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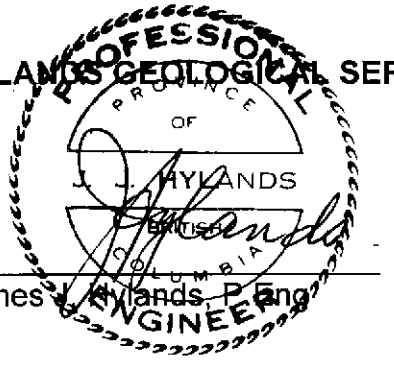

James J. Hylands, P.Eng.

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APPENDIX A

MERIT AREA **Pre-Staking** RECON SAMPLE SUMMARY TABLE
& ACME ANALYTICAL GEOCHEMICAL CERTIFICATES

MERIT PROPERTY AREA Pre-Staking (2002-2004) RECONNAISSANCE SAMPLE SUMMARY

Sample Number	Easting NAD 83	Northing NAD 83	Mo ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppm	Au ppb	Cu ppm	Rock Type	Notes
Rock Samples														
MC-R72	634206	5554895	2.5	3.7	41	0.1	3	-0.1	111	0.01	2.4	18.1	Massive and druzy QZ veins, cavity filling in BV.	Chips taken along road 15m. BV very friable and fractured.
MC-R75	637697	5551044	0.5	1.8	101	-0.1	3.7	0.1	11	0.04	1.1	1.6	QZ-CB boulder - rounded.	Rounded orange weathering mottled grey replaced AV? 40x40x70cm
MC-R79	634438	5556866	2.6	29.8	92	0.3	3.2	0.2	50	0.22	10	38.5	QZ pod and silicified BV	
MC-R132	635703	5556138	0.8	1.8	70	-0.1	5.6	0.2	150	0.06	1.9	17.7	Calcite-dolomite stringers in carb alt'd AV/BV	Soil profile in roadbank is yel-orng & very clay-rich
MC-R133	637684	5554797	30.6	7.1	47	1.7	79.2	0.8	999	0.03	1811.5	37.3	CB-QZ vn 7-8cm TW in dk purpley gy-brn mottled BV(?).	Vein trend 360 - 010/dip mod steep to W.
MC-R134	637304	5554307	1.8	15.6	36	5.3	28	21.6	70	9.15	191.8	94.4	QV- single subang pc 5X7X10cm.	In part semi-chalced.
MC-R135	637111	5553965	0.4	3.2	10	11.6	5	0.6	24	0.72	344.4	25	QV- single subang pc 5 X 6.5 X 8cm.	Local massive AV bedrock exposures.
MC-R136	634301	5554512	3.2	2.5	9	0.1	3.5	0.1	59	0.06	7.5	5.6	QV/BX-one piece w/alt'd AV clasts.	2 pcs 75m apart. Rnded 4x4x8cm, angular 1.5x2x3cm
MC-R138	638237	5551067	34.2	3.9	42	0.5	9.4	0.2	180	0.04	10.1	18.6	Intensely QZ-CB alt'd AB w/ lt & dk gy silicic clasts	Angular fragment 7x8x18cm
MC-R139	637394	5551040	22.1	2.2	12	3.7	102.6	1	15	0.13	1075	25.5	(1) wht-gy banded colloform chalced (2) lt gy CC (3) QZ-CB	Possibly minor siderite(?)
MC-R140	637376	5551040	0.7	1.3	4	0.8	147.9	0.9	22	0.13	501.1	5.4	(1)chalcedonic QZ (2)CC w/skeletal QZ	(1) 3.5x5x6cm subang/submd (2) 6.5x9x10.5cm subang/submd
MC-R141	637336	5551127	28.7	11.2	7	4.4	75.5	0.7	25	0.19	3322.7	22.7	15 QV/BX chips - banded chalcedonic QZ	15 pcs along 350m. Largest pc 3.5x4x5cm
MC-R142	637351	5550932	18.1	3	14	2.7	156.9	4.1	85	1.13	802.8	54.1	4 pcs QV & QZ-CB alt'd AV float	1 pc 4x6x10cm; 4 pcs over 8 mtrs. Base of till bank.
MC-R143	637364	5550762	1.4	3.8	25	0.5	197.9	3.7	22	0.28	339.6	7.7	QV lt blu-gy chert hostrock(?) some ang fgmnts in white vn.	(1) 5x6x7cm subang.(2) submd base of till bank
MC-R144	637331	5550832	0.7	1.8	68	0.5	19.2	3.5	29	1.65	43.9	30.9	QZ matrix BX.- stockwork veinlets	(1) 5x5.5x7ang (2) 3.3x5x7ang (3) 5x6x7 mded base of till bank.
MC-R145	637371	5550634	0.5	1	10	0.1	42.8	0.2	135	0.04	71.7	1.9	3 QV float fragments all angular	(1) 4.5x7x9cm (2) 2x3x4cm Pieces over 25m of road cut
MC-R146	637056	5550597	1.3	3.4	29	1.7	10.6	0.7	54	0.18	40.6	22.7	4pcs. silica flooded. Almost vein	(1) 4x7x15cm. (2) 4x6x9cm. Tabular ang, within 5m radius
MC-R147	636881	5550717	0.6	1.5	15	0.5	14.7	1.9	7	0.65	984.6	15	White epithermal qtz.w/ empty boxwork cavs.	(1) 3.5x4x8cm (2) 2.5x3.5x4cm (3) 7x7.5x8cm 60m stretch of trail.
MC-R148	636836	5550827	0.3	9	71	0.1	23.8	0.8	115	0.42	9.7	42.8	CB-QZ, almost vein.	Very angular 6x8x15cm.
MC-R149	636821	5551042	0.5	1.9	20	0.3	31.3	6.8	267	2.05	59.2	32.1	Vfgr (semi-chalced) QZ/QZ BX	6-8.5x11x12cm subang-submd
MC-R150	636613	5551819	0.5	0.7	6	-0.1	15.9	0.5	37	0.03	18.2	2.2	Massive pink white (hematitic) QZ	Ang pc QV float 6x10x10cm. May be intrusive related
MC-R151	636534	5551868	0.9	1.1	4	0.2	170.2	1	17	0.08	439.2	3.6	White-lt blue/gray chalced QZ w/ intergrown CC-AK	(1) 5x8.5x10cm angular (2) 5x7x9cm submd
MC-R152	636506	5551864	1.3	0.7	3	0.2	62.1	0.5	79	0.07	525.1	2.9	Epithermal QZ intergrown QZ-CC	(1) 4x7x9cm (2) 6x7.5x11cm alt angular
MC-R153	636476	5551892	0.5	1.3	4	0.3	192.9	1.4	32	0.03	308.9	4.3	Quartz vein	7.5x13x15cm ang-subang
MC-R154	637484	5551031	25.1	2.7	7	0.4	30	0.7	17	0.04	435	12.3	QV float BV BX fgmnts. Msv white chalced QZ	(1) 4x7x9cm subang (2) 4x5x9cm quite ang.
MC-R155	637416	5551046	1.5	5.1	8	1.7	94.5	0.7	32	0.05	389.1	11.1	QV chip. Pale blue-gm chalced QZ.	(1) 5.5x6x8cm irreg-submd (2) 2x2.5x3cm base of 5m till bank
MC-R156	637263	5551364	13.9	5.8	25	0.9	27.3	1.3	127	0.11	5.5	23.5	QZ-CB silicic AV w/ QZ vnlt stockwork.	6x7x12cm.submd, large drusy cavities up to 1x3cm
MC-R157	636889	5551070	2.2	1.5	3	0.1	189.7	0.4	75	0.01	482.1	5.2	Very good looking vein QZ frags. Massive white	9x14x22cm submd-subang, 50% each by vol.
MC-R158	636883	5551064	0.4	1.8	67	0.1	21.6	2.6	12	0.13	18.4	41.2	QZ-CB alt'd AV (silica flooded/replaced)	(1) 5x10x13cm subround (2) 7 - 8cm rounded
MC-R159	637476	5551732	1.1	2.6	14	1	7.3	0.5	80	0.01	9.9	7.5	QV/BX float. Msw wht semi -transp QZ chalced & non-chalced	(1) 5x10x13cm submd (2) 7 - 8cm.rounded.
MC-R160	637616	5550162	5.7	2.8	11	0.3	143.2	0.6	83	0.22	390.8	22.4	QV fragment	13x25x33cm subrounded
MC-R161	637616	5550162	17	1.5	6	1.3	111.4	1.5	16	0.06	1758.9	7.4	Bluey-gry chalced to cherty type QZ.	5x7x10cm subrounded.
MC-R162	637586	5550677	3.8	1.5	10	0.6	150.9	0.8	123	0.1	743.8	7.2	QZ-BX msv wht chalced QZ.	Composite 10pcs. 6x10x12cm & 5x8x13cm rounded 1 side.other subang.
MC-R163	637600	5550622	0.5	1	50	0.1	36.4	9.7	11	1.04	19.3	78.3	QZ-CB alt'd AV lt gy ang chalcedonic QV fgmnts.	(1) 14x45x20cm submd (2) 9x10x16cm ang.
MC-R164	637846	5552192	13.5	3	14	0.5	16.9	0.2	19	0.01	16.1	42.2	QZ-AK altd AV cobble. Msv semi-glassy QZ.	8x15x20cm cobble
MC-R165	636561	5550077	0.6	2	24	0.2	24.2	5.2	25	1.31	74.4	20.8	Silic CB alt'd AV.	7.5x12x17cm submd.
MC-R166	636149	5550817	2.2	3.8	10	0.9	1035.2	22.2	111	0.4	1280.6	20.1	Silica flooded, white-lt gm AV(?) w/ some stringers<0.5cm.	dissem PY
MC-R167	636056	5550730	44.5	2.3	8	10.9	92.4	1.4	23	0.24	2778.3	22.5	QV/BX. White-tan-rusty-orng-blue-gy banded chalcedony.	1-5mm bands
MC-R168	637446	5552457	15.3	5.6	27	19	29.6	10.7	19	2.06	343	92.8	Msv white & clear semi-glassy QZ - minor chalcedony.	7x8.5x10cm subround on 1 side-otherwise angular.
MC-R169	637056	5552632	7.5	3.7	10	1.7	70.6	4	77	2.15	356.7	57	White & tan banded chalcedonic QZ	Also MnO.
MC-R170	636916	5552977	1.7	2	20	1.4	34.2	0.9	29	0.14	1190.7	12.6	Quartz vein float	Grainy QZ w/ abund FeO fracs/cavity fillings
MC-R171	636556	5553837	2.9	1.6	13	1.9	38.4	3.5	37	3.07	267.1	52.7	Quartz vein float subangular.	Some banded
MC-R172	636896	5553822	3.5	2.2	17	3.4	89.3	5.5	120	2.78	244.4	75.6	QV/BX float	8x12x15cm - triangular
MC-R173	636456	5553836	1.9	3.9	17	15.2	20.5	3.5	46	2.72	653.8	49.8	5pcs.QV/BX. QVnlt stockwork. Wht & gy banded chalcedony.	(1) 3x5x6cm subang (2) 3x3.5x8cm subang (3) 4x5x9cm
MC-R174	636436	5553826	0.8	4.3	55	0.4	92.5	0.9	39	0.34	85.6	42.8	Silic piece, QZ-CB alt'd AV rubble	
MC-R175	636176	5553827	11.3	4.2	35	5.3	40.2	15.1	33	12.12	802.9	141.1	5 pcs QV/BX float. QZ/CB alt'd AV w/ 1-1.5cm.chalced vein.	(1) 4x4x7cm (2) 4x4.5x5.5cm (3) 5x6x12cm submd
MC-R176	636446	5551872	5.4	2.6	13	6.6	106.3	1	31	0.24	956.2	15.6	8 pcs QV float. White, in part hematitic epithermal QZ	(1) 8x10x13cm (2) 6x7x7cm 6 subang-2 submd
MC-R177	636341	5551962	1.9	1.4	8	0.2	181.7	1.1	50	0.18	225	5.2	5pcs QV float subangular.	(1) 5x7x8cm (2) 6x7x8cm
MC-R178	636348	5551955	1	0.6	6	0.1	85.2	0.3	28	0.02	253.5	3	Msv wht & cgr xtline CC w/ 10% skeletal wht-pale gy QZ	
MC-R179	636476	5551922	0.5	0.7	8	0.1	6	1.8	1521	1.51	2.1	23.1	Silicic AV hostrock purple-red-brn	15x20x22cm tabular angular
MC-R180	635841	5555052	11	3	35	0.1	6.2	0.2	86	0.1	10.9	12.5	QZ-CB alt'd rusty orng AV float	10x11x22cm. Quite rounded.
MC-R181	637776	5552549	1.3	0.6	5	0.8	3.4	0.6	37	0.04	970.2	15.7	2 pcs.QV float	(1)6x7x14cm (2) 3.5x8.5x11cm. Both subang
MC-R182	637496	5553432	0.9	4	83	0.2	7.3	0.7	56	0.46	4	19.1	QZ-CB alt'd AV.	8x11x15cm ang.
MC-R183	637571	5551138	7.4	2	7	4.9	56.1	0.8	17	0.06	7916.4	8.9	4 pieces QV float over 30 m distance.	(1) 4.5x6.5x8.5cm (2) 4x4.5x8cm. 2 ang,1subang, 1submd
MC-R184	636716	5550972	2.4	2.2	5	4	9.5	7.7	3	2.91	37.8	25.5	Good epithermal QV float	(1) 6.5x9x14cm submd (2) 5x5x9cm subang

MERIT PROPERTY AREA Pre-Staking (2002-2004) RECONNAISSANCE SAMPLE SUMMARY

Sample Number	Easting NAD 83	Northing NAD 83	Mo ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppm	Au ppb	Cu ppm	Rock Type	Notes
Rock Samples														
MC-R185	637304	5551822	0.7	0.6	4	-0.1	1.6	0.1	612	0.05	16.1	4.1	In situ QV trending 040 dip steep SE	Vein hosted in dull grey-brn rubble AV/BV(?)
MC-R199	635806	5556202	0.8	45.8	72	-0.1	1.6	0.1	2022	-0.01	-0.5	58	1 ang piece CB (w/ minor qtz) vn float	Dolomite
MC-R200	637589	5550502	1.1	1.8	21	0.2	150.3	1.2	21	0.12	498.7	7.6	Opaque wht semi-clear & lt gy chalcedonic QZ.	1 piece 5-8x10x13cm subrnd ragged on edges
MC-R201	637596	5550419	9.2	1.6	14	0.7	158.9	1.1	49	0.08	410.1	7.4	QV float wht-clear & lt gy chalcedony w/ tiny cavities.	Single tabular pc 5-7x8x9cm
MC-R202	637570	5550282	3.5	0.6	5	2.2	62.1	1	31	0.14	2148.8	4.8	QV blue - gy chalcedony wht & lt gy banding.	1 pc ang 9.5x7.5x3cm. 9 smaller ang pieces.
MC-R203	637578	5550290	2.3	2.1	13	0.4	243	0.6	369	0.04	574.3	9.2	QZ-CC white-semi-clear & lt gy QZ w/ trace PY.	Fe carb.
MC-R204	637591	5550252	2.2	0.9	8	0.1	91.1	0.3	998	0.02	309.3	4.3	Msv-opaque white fgr QZ.	1 piece round float 9x12x16cm.
MC-R205	637651	5550095	1.9	0.7	6	0.4	101.5	1	56	0.1	789.3	3.7	9 pcs QV float msv wht to lt gy epithermal QZ.	Largest pc 5x6x9cm. 1 with silic wallrock attached
MC-R206	637659	5550103	0.6	0.6	6	0.1	64.9	0.5	105	0.03	63	3	Msv wht & semi-clear chalced w/ CC core	2 pieces angular float 6x6x9cm & 6x6x10cm
MC-R207	637606	5550067	12.3	1.1	9	1.4	63.6	0.9	54	0.08	2092.9	8.1	QV/BX wht-tan & lt gy chalced. Some banding.	7 med & 9 small pieces (1) 3x7x10cm (2) 4x5x5cm.
MC-R208	637251	5549837	1.2	3	31	1.4	13.3	0.6	89	0.02	17.3	18.9	QV/BX w/ some internal CC/AK.	Sparse PY
MC-R209	637661	5550032	3.9	0.3	4	0.1	5.9	0.3	349	0.06	311	5.2	QV float banded opaque wht & lt gy chalced.	Single tabular angular piece 7x8x12cm.
MC-R210	637666	5549887	0.8	0.6	4	1.2	70.4	0.7	19	0.05	3073.4	5.6	Light grey brown silic AV(?) hostrock.	10 small pieces. Largest piece 4x6.5x8.5cm.
MC-R211	636890	5551946	0.3	1.4	101	-0.1	6.5	4.7	1421	0.73	1.3	15.4	CB-QZ alt'd purple-grey AV.	Broken subcrop rubble. NE bank of stream gully.
MC-R212	636941	5551967	0.5	3	58	0.3	14.8	6.7	1563	3.8	25.2	151	Hematitic silica alt'd AV.	Chalced.masses
MC-R213	636946	5551982	0.5	2.1	94	0.8	34.3	8.7	772	0.76	29.9	282.7	Hematitic silic ridge of alt'd AV.	Chalced.masses
MC-R214	636952	5551996	0.3	2.2	33	0.2	27.2	5.8	1688	0.34	88.6	48.8	Dark red brown hematitic lt gy chalced.	Broken rubble from O/C stringers <5mm.wide & microbx
Soil Samples														
MC-S48	635661	5555992	0.5	4.6	57	0.1	12.7	0.2	93	0.04	1.4	40	BV	Several grabs over 10m width. Road cut subcrop.
MC-S49	634206	5554895	0.5	5.5	61	0.1	3.5	0.2	93	0.12	10.3	42.8	BV, shatter zone, S/C in road cut. (See MC-R72)	Grabs every 3-4m over 40m width along base of exposure.
MC-S54	635348	5556529	0.3	5.9	59	0.1	2.4	0.1	79	0.02	2.7	31.3	Blocky basaltic subvolcanic and friable BV	Frothy qtz inclusion in BV w/ MnO
MC-S55	634372	5556808	1.1	5.7	41	0.1	48	0.4	97	0.11	1.3	34.1	BV O/C dark brown friable	Platy felds porph at top of O/C
MC-S56	634390	5556817	0.8	4.2	66	0.1	4.6	0.2	82	0.06	1.1	37.1	BV, nearby FP dyke(?) contact.	Comp sample, several grabs along 6m of road cut.
MC-S57	634397	5556826	0.5	4.2	60	0.1	3	0.1	78	0.06	0.5	40.3	Gm gry BV cut by tan orng CB vein 5cm	10 grabs over 8m
MC-S58	634404	5556836	0.5	4.7	81	0.1	2.1	0.1	80	0.04	-0.5	30.1	Green grey BV.	
MC-S59	634411	5556845	0.3	4.8	66	0.1	2.2	0.1	98	0.04	-0.5	28.9	Green grey BV.	
MC-S60	634418	5556854	0.7	4.5	76	0.1	1.8	0.1	128	0.03	-0.5	28.3	Green grey BV.	
MC-S61	634425	5556863	1.1	4	52	0.1	2.4	0.1	152	0.07	1	29.2	Green grey BV.	
MC-S62	634432	5556872	4.1	5	49	-0.1	1.8	0.1	182	0.1	0.5	29.5	Green grey BV.	
MC-S63	634441	5556879	0.4	4.6	67	0.1	1.3	0.1	164	0.02	-0.5	28.3	Green grey BV.	
MC-S64	634451	5556890	0.5	4.9	67	0.1	1.4	0.1	118	0.03	-0.5	26.4	Green grey BV.	
MC-S65	634634	5557118	0.4	4.6	60	0.1	1.3	0.1	117	0.09	-0.5	28	Maroon and grey BV	Taken at 3 points over 3m
MC-S66	634458	5556910	1.1	4.4	52	0.1	2.1	0.1	120	0.12	1	37.5	Maroon and grey BV	Taken at 3 points over 5m
MC-S89	637291	5554275	1.1	6.2	129	0.1	8	0.2	265	0.07	4.8	58.1	CB alt'd PV	5 grabs over 7.5m. Dk gy-brn B/C transitional soil.
MC-S90	637306	5554205	0.5	6.1	155	0.2	6.3	0.4	387	0.04	2.1	53.5	CB alt'd PV	Single point grab over subcrop. Dk red-orng soil.
MC-S93	637155	5551364	0.4	2.7	44	-0.1	1.6	0.1	193	0.51	-0.5	30.7	Decomp/sheared basaltic AV(?)	Dull rusty orng.soil grabs. 6 across 6-7m.
MC-S94	636670	5550092	0.4	4	91	-0.1	9.5	-0.1	138	0.02	-0.5	42.7	Light gy-brn to olive grn basaltic AV(?) bedrock(?)	Soil grabs over 1.5m
MC-S95	637346	5553232	0.6	5.5	81	0.1	5.6	0.2	164	0.05	3.1	34.8	Abund carb-alt'd AV rubble & probable S/C	6 points over 5x10m
MC-S96	636906	5551942	0.7	3.8	144	-0.1	14	11.6	113	0.07	-0.5	28.1	Strongly CB alt'd AV.	7 grabs over 10 meters
MC-S110	636926	5551956	0.5	4.2	174	-0.1	10.5	12.3	262	0.04	1.2	24.1	CB alt'd angular rubble	20cm.pit on 20deg.slope. B horizon.
MC-S111	636930	5551965	0.5	3.8	189	0.1	4.2	4.5	323	0.02	0.7	9.3	CB alt'd angular rubble	15cm pit, B horizon, 10m @ 25deg.from S110. Top of hogsback.
MC-S112	636934	5551974	0.6	6.6	143	0.5	4.5	1.6	821	0.08	3.4	34.3	CB alt'd large angular rocks.	20cm pit, B hor, 10m @ 25deg from S111. Top of hogsback.O/C
MC-S113	636938	5551984	0.5	5.6	170	0.3	9.7	1.4	529	0.11	4.2	26.6	CB alt'd large angular rocks.	20cm pit, B hor, 10m @ 25deg.from S112. Top of hogsback.O/C
MC-S114	636942	5551993	0.8	4.8	173	0.6	30.7	5.2	1256	0.2	9.8	137.2	CB alt'd large angular rocks.	15cm pit, B hor, 10m @ 25deg from S113 on bedrock.
MC-S115	636946	5552002	0.6	7.3	288	0.7	8.7	3.1	1169	0.18	3.2	65.7	Large angular hematitic QZ. Top of O/C	25cm pit, A/B hor, 10m @ 25deg from S114 on bedrock.
MC-S116	636954	5551999	1.2	8.8	231	1.1	27.1	7.3	1391	0.85	17.5	144.3	Large angular hematitic QZ. East edge of O/C.	15cm pit, A/B hor, 10m @ 40deg from S115 on bedrock.
Stream Sediment Samples														
MC-126	637367	5554621	0.3	3.7	52	0.1	2.6	0.2	109	0.08	10.1	22.6	Dom.BV, some AV S/C in nearby road cut (NE)	Sand & gravel base. Mod flow. Clean active seds.
MC126-1	635897	5553735	0.3	4.3	52	0.1	2.6	0.2	123	0.22	0.9	26.2	BV, some DI, some GB	Chan 1.5m, boulder cobble sand silt base, good flow. Mod grade
MC126-2	635876	5553768	0.4	4.3	49	0.1	2.7	0.4	104	0.08	0.8	40.6	BV dominant; (local outcrops ~20m East).	Side br. Grvl/pebble base, gentle flow, boggy slopes, dense veg
MC126-3	637249	5554259	0.3	3.7	52	0.1	2.4	0.2	104	0.07	2.8	28.7	Dom mded AV-BV float. Local O/C msv dk volc & lt gy PV flow(?).	Main br. 1-1.5m wide, gentle flow. Boggy grnd w/ sand-grvl sections.
MC126-4	636938	5553824	0.4	4	54	0.1	2.7	0.2	119	0.08	5	26.9	Dom md BV O/C in stream channel & banks.	Main br. <1-2.0m wide, mod flow. Grvl/cobble base.
MC126-5	636538	5553835	0.5	4.3	54	0.1	2.9	0.3	125	0.08	1.9	28.4	Dom red-brn & dull gy BV/AV. QV chips	<1-1.5m.gentle flow

MERIT PROPERTY AREA Pre-Staking (2002-2004) RECONNAISSANCE SAMPLE SUMMARY

Sample Number	Easting NAD 83	Northing NAD 83	Mo ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppm	Au ppb	Cu ppm	Rock Type	Notes
Stream Sediment Samples														
MC126-6	636255	5553815	0.4	4.1	53	0.1	2.3	0.2	125	0.06	0.8	26.9	Dk gy volc flow O/C. Gy-brn & red-brn volc float	Braided channel 0.5-1.25m, gentle flow
MC-127	637004	5555311	0.4	3.9	55	-0.1	2.2	0.2	76	0.1	1.1	22.1	Dominantly BV	Sand gravel base. Mod flow. Clean active seds.
MC-127S	637004	5555311											Dominantly BV	Sand gravel base. Mod flow. Clean active seds. Sieved to -230 mesh.
MC-128	637096	5556626	0.3	3.9	59	0.1	1.3	0.1	64	0.04	13.6	19.5	Dominantly BV	Sand gravel base. Gentle flow. Clean active seds.
MC-128S	637096	5556626											Dominantly BV	Sand gravel base. Mod flow. Clean active seds. Sieved to -230 mesh.
MC128-1	636921	5556460	0.3	3.3	55	-0.1	1.4	0.1	60	0.03	1	16.6	Dom red-brn BV pebbles- some agate.	Main br. 0.5-1.0m wide, gentle flow. Sand/gravel base.
MC128-2	636658	5556572	0.3	3.5	60	-0.1	1.5	0.1	66	0.03	1	18.2	Local dk gy BV-AV O/C. Some QD subang float.	Main br. 1-1.5m, mod flow, gravel/cobble base.
MC-136	637934	5552784	0.3	3.8	43	-0.1	2.7	0.3	76	0.03	4.5	18.3	Basaltic AV	Chan 2x0.2m, mod flow, sand silt bed.
MC-136S	637934	5552784											Basaltic AV	Chan 2x0.2m, mod flow, sand silt bed. Wet sieved to -230 mesh..
MC-137	637896	5552832	0.4	4.3	44	0.1	4.2	0.2	109	0.04	1.2	32.2	Dominantly BV, some light gray-gm AV float.	Intermittent trickle. Isolated pockets of clean seds on organic mat base.
MC-138	637803	5552151	0.3	4.2	48	-0.1	3.4	0.5	81	0.03	1.7	21.6	Dominantly BV, some light gray-gm AV float.	Sand-gravel base. Mod flow. Clean active seds.
MC-138S	637803	5552151											Dominantly BV, some light gray-gm AV float.	Sand-gravel base. Mod flow. Clean active seds. Sieved to -230 mesh.
MC-139	637671	5550862	0.3	3.5	39	0.1	3.9	0.4	86	0.09	1.2	47.3	Dominantly BV, some light gray-gm AV float.	Local clean sand-gravel pockets on org mat/rocky base. Gentle flow.
MC-140	637657	5550896	0.4	3.5	38	0.1	3.5	0.6	106	0.08	1.2	39.6	Basaltic AV	Chan 1x0.2m, intermittent-low flow, organic gravel sand bed
MC-152	636483	5556426	0.6	3.3	50	0.1	2.7	0.2	81	0.04	1.3	23.9	Maroon BV	Chan 40cm, sand silt base, good flow. Boggy drainage.
MC-153	635815	5556361	0.4	4.2	60	-0.1	1.5	0.2	56	0.04	0.5	23.7	BV dominant float.	Sand/gravel base, mod grad/flow, 0.5-1.0m wide.
MC-154	635815	5556393	0.2	4.2	41	0.1	1.3	0.1	59	0.05	0.7	33.4	Maroon BV, some DI	Channel 30cm, gravel sand silt base, good flow. Mod grade
MC-236	635506	5554792	0.3	3.8	56	0.1	1.7	0.1	81	0.1	1	28.2	Dom gy-brn & red-brn basaltic pebbles/cobbles	Near jct. MC-237(main) 1-1.5m shallow channel.
MC-237	635452	5554815	0.4	4	59	-0.1	2	0.1	73	0.11	0.9	25.5	Dom gy-brn & red-brn basaltic pebbles/cobbles	Main, above MC-236, 1-3m wide, gentle flow
MC-238	635441	5554952	0.3	3.9	56	-0.1	1.9	0.1	82	0.04	3.4	17.6	No sizable float	Side branch. 0.5-1.5m braided trickler on boggy bench.
MC-239	635146	5554256	0.6	4.5	57	0.2	1.8	0.2	88	0.12	1.6	38.8	Pebble/cobble - Dominantly gry-brn BV	Side pup boggy trickler 0.75m heavy gravelly w/organics
MC-240	635134	5554276	0.4	4.3	62	0.1	1.9	0.1	75	0.13	0.7	33.9	Dominantly gry-brn BV	Side branch jct. W/ MC-239 1.25m more major channel.
MC-241	635538	5554843	0.3	3.5	46	0.1	3.3	0.2	66	0.05	-0.5	21.1	Gravel/cobble base of BV/AV rxs	Different stream <0.5m good seds/minor orgs.
MC-242	634166	5554422	0.5	4.4	63	0.1	1.9	0.2	75	0.06	3	33.5	Basaltic pea gravel - fines of mod-high organic content.	Side branch 0.5m veg. choked trickler
MC-243	634177	5554460	0.5	3.7	61	0.1	2.4	0.1	88	0.05	67.2	30	Basaltic float - dull gy-brn & red-brn cobblesy/bldrs	Main channel 1.5-2.0m intermittent gentle flow
MC243-1	634177	5554460	0.5	4.3	59	-0.1	2.8	0.1	82	0.03	0.9	28	Basaltic float - dull gy-brn & red-brn cobbles/bldrs	Main channel 1.5-2.0m intermittent gentle flow.
MC-244	634353	5554438	0.4	3.6	64	0.1	2	0.1	79	0.04	-0.5	29.6	Basaltic garevl + AV/BV cobbles	V-gully. Organic mat base. 0.35m veg-choked channel - boggy trickler
MC-245	634331	5554470	0.4	3.8	59	-0.1	2.1	0.1	83	0.05	1	28.8	Basaltic AV(?) O/C 50m U/S	Channel 3m dry cobble/bldry
MC-246	635160	5554774	0.5	3.7	62	0.1	2.6	0.2	81	0.1	1.6	27.5	AV-BV(?) cobbles	1-3m irreg windey channel.
MC-247	635116	5554802	0.3	3.7	47	-0.1	2.1	0.6	62	0.02	0.7	17.1	AV-BV pebbles	<0.5-1.0m. Larger of 2-3 branches. Gntl flow shallow grad,good gntl flow
MC-248	635164	5554882	0.3	3.7	49	-0.1	8.4	0.4	72	0.1	1.2	16.2	AV-BV pebbles	Boggy trickler 0.35m
MC-256	638156	5550812	0.4	1.2	18	-0.1	2.1	0.1	31	0.03	-0.5	8.1	Calcareous mud base	Side branch Veg choked 0.5m channel
MC-257	638050	5550897	0.4	3.5	51	0.1	2.8	0.4	94	0.07	1.5	41.8	Mixed volc pebbles/cobbles	Dry channel. 0.75-1.5m wide 2 points 50m apart
MC-258	636984	5550832	0.3	3.3	48	0.1	1.2	0.2	87	0.06	0.6	45.3		Dry channel 0.75-1.0m wide, some organic black mud
MC-259	636105	5552107	0.4	3.7	53	-0.1	5.9	0.7	100	0.03	1.4	25.2	Red-brn & gy BV pebbles. QZ chips agatey	>1.0m channel. Moderate flow
MC-260	636026	5552137	0.5	3.1	41	0.1	3.9	0.4	104	0.04	-0.5	20.8		<0.5m,atop organic mat, boggy braided trickler
MC-261	636426	5551917	0.2	3.4	48	-0.1	3	0.5	91	0.03	3.6	17	QV chips	1.0-2.0m wide. Gentle flow
MC-262	636589	5551652	0.3	3.7	48	0.1	2.9	0.6	65	0.03	2.1	23.6		<0.5m channel gentle flow.Very boggy section.w/ 2 beaver ponds.
MC-263	636866	5551727	0.4	3.4	44	-0.1	6.9	0.4	68	0.03	5.3	18.6	Basaltic pebbles dominate.	0.3-1.0m. Gentle flow
MC-264	637442	5552036	0.4	3.8	52	-0.1	3.7	0.5	80	0.12	1.1	22.3	AV/BV float.	0.4-0.8m width. Good moderate velocity stream
MC-265	636656	5551932	0.3	3.7	50	-0.1	4.2	0.8	92	0.05	3.6	20.6	Grey & red-brn volc float - very small QZ chips	<1-3m wide shallow channel.
MC-266	635787	5554911	0.4	3.5	53	0.2	2	0.2	69	0.07	203.2	26.7	Dominantly red-brn & dull/dk grey basaltic float	1-1.1m wide, gentle flow
MC-267	636187	5555122	0.5	3.7	57	0.1	2.1	0.2	73	0.08	4.2	27.5	Dominantly red-brn & dull/dk grey basaltic float	1-1.5m wide, gentle flow
MC-268	637086	5551872	0.3	3.8	50	-0.1	5	0.4	74	0.02	0.5	20.2		0.5m channel gentle flow from beaver ponds
MC-269	637079	5551888	0.3	3.7	50	-0.1	3	0.8	86	0.03	0.8	22	Red-brn & rusty-orange AV/BV pebbles + some fine QZ	1-1.5m wide channel, gentle flow

ACME AL TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
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GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR02-1 File # A201866

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
SI	.3	16.1	.4	12	.1	1.0	.2	16	.16	<.5	<.1	2.7	<.1	2	<.1	.6	.1	<1	.09	.001	<1	2.2	.01	3	<.001	1	.01	.309	<.01	.4	<.01	<.1	<.1	<.05	<1	4.1
MC-R71	2.3	18.7	2.8	46	<.1	47.2	11.9	525	2.24	1.0	.4	.9	1.2	165	<.1	<.1	<.1	65	1.03	.088	10	39.9	1.06	74	.258	1	1.48	.104	.09	5.7	<.01	3.4	<.1	<.05	5	1.6
MC-R72 ✓	2.5	18.1	3.7	41	.1	22.7	8.9	339	1.93	3.0	.7	2.4	1.9	504	<.1	<.1	<.1	57	2.49	.075	11	27.2	.52	111	.225	5	3.24	.255	.08	2.0	.01	4.3	<.1	<.05	8	2.5 ✓
MC-R73	2.9	10.6	2.4	31	<.1	9.7	7.2	417	1.88	1.6	.3	1.8	.8	55	<.1	.1	<.1	52	.93	.064	7	23.8	.63	51	.047	3	.95	.087	.08	3.2	.01	3.8	<.1	<.05	5	.6
MC-R74	3.0	12.8	2.7	26	.1	9.2	6.2	364	1.67	1.1	.2	<.5	.5	49	.1	.2	<.1	33	1.09	.050	6	28.6	.49	460	.007	7	.76	.032	.11	4.1	<.01	2.0	<.1	<.05	4	1.0
MC-R75 ✓	.5	1.6	1.8	101	<.1	65.4	21.4	1510	4.82	3.7	.5	1.1	.1	259	.3	.1	<.1	68	17.82	.009	1	10.2	6.90	11	.001	3	.22	.044	<.01	.4	.04	2.5	<.1	<.05	1	1.1 ✓
STANDARD	9.0	119.7	32.2	149	.3	35.6	12.1	835	3.12	28.0	5.6	20.8	3.9	28	5.3	4.9	5.5	74	.57	.089	17	184.2	.58	151	.096	1	1.69	.032	.16	3.5	.22	3.4	1.1	<.05	6	20.7

Standard is STANDARD DS3.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 AU* IGNITED BEFORE ACID LEACH, ANALYZE BY ICP-MS. (30 gm)

DATE RECEIVED: JUN 21 2002 DATE REPORT MAILED: July 8/02 SIGNED BY. . . . . D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR02-1 File # A201867

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G-1	1.5	2.8	2.7	42	<.1	5.0	4.3	550	1.75	<.5	2.2	<.5	5.4	84	<.1	<.1	.1	39	.53	.087	9	31.0	.53	227	.127	1	.91	.078	.46	1.1	<.01	2.3	.3	<.05	4
MC-S45	.4	28.7	8.3	70	.1	56.1	18.5	1035	3.21	1.3	.7	1.8	1.7	102	.1	.1	.1	89	.87	.054	15	44.5	1.17	84	.353	3	2.98	.029	.11	.1	.03	6.9	<.1	<.05	9
MC-S46	.3	30.6	7.0	70	.1	76.4	22.6	1119	3.67	1.3	.7	1.2	2.2	69	.1	.1	.1	94	.78	.057	13	53.6	1.50	62	.313	2	2.79	.035	.08	.1	.02	8.4	<.1	<.05	8
MC-S47	.4	50.0	4.2	74	.1	114.0	28.2	904	6.10	3.8	.3	.7	1.0	43	.1	.1	<.1	122	.60	.102	22	84.2	.40	101	.017	2	1.19	.009	.05	<.1	.02	16.8	<.1	<.05	4
MC-S48	.5	40.0	4.6	57	.1	43.3	20.8	790	3.39	12.7	.5	1.4	1.8	129	.1	.2	.1	82	3.40	.092	15	43.1	.56	93	.037	5	1.42	.033	.08	<.1	.04	7.4	<.1	<.05	4
MC-S49	.5	42.8	5.5	61	.1	51.5	21.1	657	4.21	3.5	1.0	10.3	2.7	297	.1	.2	.1	111	1.26	.063	15	57.7	1.49	93	.209	1	3.67	.053	.09	.1	.12	12.1	<.1	<.05	10
MC-S50	2.2	44.6	75.8	193	.3	25.6	14.8	1655	3.02	7.2	.5	14.0	1.4	50	1.6	.6	.5	57	.72	.064	24	28.6	.66	393	.040	1	2.58	.015	.13	<.1	.05	4.8	.1	<.05	8
MC-S51	.4	27.1	11.1	65	.1	22.6	13.6	851	3.01	4.5	1.0	1.7	1.7	101	.2	.3	.1	77	.96	.070	24	39.8	1.02	412	.117	2	2.57	.024	.10	.1	.03	9.0	.1	<.05	8
MC-S52	.5	32.6	4.1	74	.1	62.3	24.4	1062	4.81	3.0	.5	<.5	1.6	90	.1	.1	<.1	103	.86	.111	15	62.4	1.03	66	.149	2	2.56	.042	.09	.1	.03	12.7	<.1	<.05	7
STANDARD DS3	9.4	126.1	34.5	155	.3	38.9	13.3	865	3.16	30.8	6.7	20.7	4.1	31	5.9	4.8	6.0	74	.51	.088	19	186.1	.58	146	.095	1	1.70	.034	.15	3.8	.23	3.6	1.2	<.05	6

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C

DATE RECEIVED: JUN 21 2002 **DATE REPORT MAILED:** July 8/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data f FA ____

ACME AN. ICAL LABORATORIES LTD. 852 E. HASTINGS ST. OUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604 3-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR02-1 File # A201868

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: W. Jakubowski

SAMPLE#	Au* ppb
G-1	.3
MC-110S	1.7
MC-111S	3.7
MC-112S	2.2
MC-113S	2.0
MC-114S	1.4
MC-115S	46.3
MC-116S	17.7
MC-125S	2.0
MC-127S	2.3
MC-128S	2.2
MC-129S	13.7
MC-130S	71.4
RE MC-125S	1.6
MC-134S	156.3
MC-135S	.6
MC-136S	.6
MC-138S	11.8
MC-141S	.9
MC-142S	1.1
MC-143S	.4
MC-144S	.9
STANDARD DS3	19.5

AU* BY ACID LEACHED, ANALYSIS BY ICP-MS. (10 gm)
- SAMPLE TYPE: STREAM SED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 21 2002 DATE REPORT MAILED: July 8/02 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR02-1 File # A201869 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G-1	1.3	2.9	2.6	38	<.1	4.4	4.1	498	1.69	.5	1.8	1.4	4.8	88	<.1	<.1	.1	38	.54	.087	9	26.5	.51	212	.126	1	.90	.070	.45	1.0	<.01	2.0	.3	<.05	5
MC-104	.7	41.8	6.0	49	.2	41.8	15.0	488	3.00	4.0	1.1	1.6	1.5	223	.2	.3	.1	92	1.35	.080	18	44.1	1.20	176	.204	4	2.29	.040	.08	.1	.05	5.7	<.1	<.05	7
MC-105	.5	32.1	6.5	45	.2	36.8	13.4	363	2.73	3.3	1.1	.5	1.0	158	.1	.2	.1	81	1.32	.082	16	42.6	1.08	121	.177	2	2.41	.040	.06	.1	.08	5.9	<.1	<.05	7
MC-106	.6	44.7	6.2	47	.3	39.1	15.2	637	2.84	3.5	1.1	2.2	1.5	177	.2	.5	.1	86	1.50	.075	16	42.6	1.21	211	.215	4	2.54	.041	.08	.1	.04	6.7	<.1	<.05	8
MC-107	.4	32.5	5.5	46	.2	37.6	13.1	370	2.59	3.2	1.2	.7	1.2	167	.1	.3	.1	81	1.26	.077	14	39.7	1.12	124	.209	3	2.23	.045	.07	.1	.05	5.2	<.1	<.05	7
MC-108	.5	42.2	17.4	67	.5	38.6	15.7	809	3.22	6.5	1.0	59.9	1.6	143	.2	1.3	.3	91	1.23	.077	15	41.8	.95	214	.196	5	2.18	.038	.11	<.1	.05	5.9	<.1	<.05	7
MC-109	.5	31.9	24.6	65	.3	35.7	14.5	589	2.84	6.6	.7	70.7	1.3	139	.2	.8	.2	108	1.13	.085	14	40.1	1.01	113	.219	4	1.85	.044	.08	.1	.04	4.9	<.1	<.05	6
MC-110	.5	29.2	4.7	57	.1	45.0	15.3	507	2.92	2.0	1.4	1.4	1.7	136	.1	.1	<.1	82	1.19	.080	17	48.0	1.23	89	.269	3	2.84	.053	.06	.1	.03	7.0	<.1	<.05	8
MC-111	1.0	40.9	5.4	49	.2	53.7	15.8	710	3.06	3.5	3.9	1.4	1.5	148	.2	.2	.1	88	1.67	.107	33	49.5	1.27	88	.228	5	3.55	.040	.08	.1	.08	9.3	<.1	<.05	10
MC-112	.3	51.8	4.7	45	.2	40.8	12.1	363	2.27	1.8	3.2	1.5	1.7	112	.1	.2	<.1	62	1.29	.088	18	43.1	.98	64	.207	4	2.62	.055	.08	.1	.07	6.7	<.1	<.05	7
MC-113	.6	35.2	4.6	56	.1	43.0	15.5	491	3.56	.9	.6	14.0	2.0	118	.1	.1	.1	134	.92	.057	12	51.3	1.07	77	.281	2	2.19	.065	.11	.1	.01	6.2	<.1	<.05	6
MC-114	.4	34.8	4.5	51	.1	36.6	13.2	482	2.98	1.4	.3	1.5	1.8	116	.1	.1	.1	107	1.01	.039	12	45.9	.93	95	.195	4	1.75	.047	.09	<.1	.02	5.4	<.1	<.05	6
MC-115	.5	31.4	5.8	55	.1	42.6	16.6	586	3.50	3.7	.6	10.2	1.7	171	.1	.3	<.1	135	1.50	.096	14	48.4	1.30	83	.273	2	2.30	.069	.09	.1	.03	5.2	<.1	<.05	7
MC-116	.4	32.3	4.2	50	.1	42.9	14.8	405	2.97	1.2	.6	1.3	1.3	139	.1	.2	<.1	113	1.23	.057	10	46.1	1.17	70	.240	4	1.84	.070	.09	.1	.03	4.8	<.1	<.05	5
MC-117	.3	44.7	5.0	55	.2	45.1	13.2	344	2.88	2.2	2.1	1.7	1.6	108	.2	.2	.1	68	1.49	.064	27	47.0	1.11	66	.211	4	3.42	.034	.06	<.1	.08	9.7	<.1	<.05	10
MC-118	.6	60.8	6.5	63	.2	48.6	15.2	628	3.21	2.5	1.1	2.0	1.6	123	.2	.2	<.1	78	1.73	.073	28	46.1	1.21	47	.224	6	3.44	.043	.09	.1	.09	8.9	<.1	<.05	10
MC-119	.5	32.9	4.4	51	.1	40.5	16.0	581	3.18	1.9	.5	.8	1.6	163	<.1	.2	<.1	135	1.24	.090	13	46.5	1.13	93	.292	3	1.85	.069	.07	.1	.02	4.9	<.1	<.05	7
MC-120	.4	27.8	6.8	50	.1	35.3	13.8	434	3.27	3.1	.6	8.8	1.3	124	.1	.5	.1	141	1.06	.085	11	48.1	1.00	79	.215	3	1.64	.059	.07	.1	.08	4.5	<.1	<.05	5
RE MC-120	.4	29.4	6.6	52	.1	35.7	13.8	450	3.34	3.3	.7	5.6	1.3	123	.1	.4	.1	143	1.04	.085	11	48.4	1.05	79	.216	4	1.68	.061	.07	.1	.04	4.4	<.1	<.05	6
MC-121	.5	54.1	4.5	47	.1	45.5	13.6	551	2.85	2.9	1.9	1.6	1.3	142	.1	.3	<.1	124	1.51	.084	21	46.3	1.14	56	.232	10	2.30	.051	.09	.1	.06	6.5	<.1	<.05	7
MC-122	.4	34.4	5.1	50	.1	42.0	15.1	495	3.04	2.4	.6	2.1	1.5	171	.1	.2	.1	121	1.28	.088	14	45.4	1.14	132	.286	3	1.93	.071	.07	.1	.03	5.1	<.1	<.05	6
MC-123	.4	44.6	4.7	47	.1	51.2	15.4	468	3.19	2.6	1.2	1.7	1.6	141	.1	.2	<.1	87	1.27	.067	19	45.0	1.34	78	.252	5	3.04	.047	.08	.1	.04	8.0	<.1	<.05	8
MC-124	.4	35.3	7.8	49	.3	37.1	12.2	395	2.71	3.5	.8	15.5	1.2	140	.1	.4	.1	85	1.18	.073	12	40.2	.90	171	.213	4	1.95	.041	.06	.1	.04	5.1	<.1	<.05	6
MC-125	.2	25.5	4.6	30	.1	19.9	8.3	165	2.13	1.4	1.0	2.1	1.8	133	<.1	.1	.1	85	1.21	.072	12	51.7	.68	86	.295	1	2.46	.052	.04	.1	.03	7.0	<.1	<.05	9
MC-126	.3	22.6	3.7	52	.1	36.8	14.4	528	3.00	2.6	.6	10.1	1.4	134	.1	.2	<.1	113	1.01	.068	11	44.4	1.13	109	.170	2	1.70	.068	.09	<.1	.08	4.7	<.1	<.05	5
MC-127	.4	22.1	3.9	55	<.1	34.6	14.2	475	3.03	2.2	.5	1.1	1.5	146	<.1	.2	<.1	134	.99	.070	11	47.2	1.00	76	.196	2	1.64	.081	.08	<.1	.10	4.8	<.1	<.05	5
MC-128	.3	19.5	3.9	59	.1	29.2	12.0	597	2.66	1.3	.5	13.6	1.2	137	<.1	.1	<.1	100	1.06	.053	8	40.8	.86	64	.248	3	1.56	.080	.07	<.1	.04	4.2	<.1	<.05	5
MC-129	.3	40.7	4.6	56	.2	40.4	14.2	866	3.04	6.2	.7	8.5	1.4	132	.1	.3	<.1	81	1.33	.059	18	44.7	1.09	102	.169	4	2.74	.043	.08	.1	.05	6.3	<.1	<.05	7
MC-130	.3	27.7	4.4	55	.1	61.8	17.9	536	3.66	4.7	.6	2.2	1.3	165	.1	.5	.1	144	1.10	.066	11	65.1	1.41	80	.169	2	2.31	.085	.07	<.1	.09	5.7	<.1	<.05	6
MC-131	.5	42.0	4.5	39	.3	29.3	11.7	690	2.49	7.0	.8	141.2	1.2	129	.1	.4	.1	80	1.64	.083	19	44.7	.98	76	.244	2	2.77	.026	.09	.2	.07	6.5	<.1	<.05	8
MC-132	.5	44.1	5.4	48	.2	33.6	11.7	427	3.01	5.3	.9	3.7	1.5	123	.1	.3	.1	79	1.29	.058	18	43.4	.95	95	.185	3	3.05	.035	.09	.1	.05	6.4	<.1	<.05	8
MC-133	.4	38.3	5.0	76	.2	35.9	11.0	940	2.75	3.4	2.6	1.7	1.2	120	.2	.2	.1	68	1.75	.090	29	40.9	.87	100	.142	4	3.42	.035	.07	.1	.09	8.5	<.1	<.05	9
MC-134	.5	32.1	4.4	58	.1	41.9	11.9	415	2.68	2.6	1.6	1.2	1.4	124	.1	.2	<.1	67	1.35	.076	19	44.5	1.01	82	.207	3	2.91	.043	.06	.1	.06	7.5	<.1	<.05	8
MC-135	.3	29.4	4.3	49	.2	37.4	12.5	760	2.60	2.0	1.4	.7	1.3	125	.1	.1	.1	85	1.15	.071	12	40.5	.94	89	.228	1	2.47	.047	.06	.1	.04	6.0	<.1	<.05	7
STANDARD DS3	9.3	125.0	32.4	147	.3	36.1	12.2	799	3.09	28.9	5.7	21.5	3.8	29	5.5	5.3	5.6	75	.53	.087	18	187.0	.58	139	.094	1	1.74	.031	.17	3.7	.23	2.9	1.1	<.05	6

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: STREAM SED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 21 2002 DATE REPORT MAILED: July 3/02 SIGNED BY. ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data A FA

ACME ANALYTICAL

Almaden Minerals Ltd. PROJECT BCR02-1 FILE # A201869 Page 2

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
MC-136	.3	18.3	3.8	43	<.1	26.9	11.3	519	2.79	2.7	.5	4.5	1.1	96	<.1	.3	<.1	106	.82	.050	7	43.5	.85	76	.185	2	1.46	.045	.07	<.1	.03	4.2	<.1	<.05	5
MC-137	.4	32.2	4.3	44	.1	23.4	11.1	805	2.27	4.2	.3	1.2	.9	177	.1	.2	<.1	73	3.90	.067	9	35.7	.66	109	.163	8	1.48	.035	.11	.1	.04	3.8	<.1	<.05	5
MC-138	.3	21.6	4.2	48	<.1	31.3	12.6	460	3.36	3.4	.7	1.7	1.2	108	.1	.5	<.1	127	.95	.047	7	49.7	.96	81	.207	3	1.63	.056	.09	<.1	.03	4.8	<.1	<.05	5
MC-139	.3	47.3	3.5	39	.1	28.8	11.7	328	2.43	3.9	.4	1.2	.9	165	.1	.4	<.1	82	2.70	.078	11	35.6	.96	86	.121	6	1.47	.056	.07	<.1	.09	4.3	<.1	<.05	5
MC-140	.4	39.6	3.5	38	.1	31.3	11.4	732	2.60	3.5	.6	1.2	.8	140	.1	.6	<.1	99	2.41	.053	12	34.0	.92	106	.102	5	1.47	.049	.08	<.1	.08	4.2	<.1	<.05	5
MC-141	.3	27.7	3.8	42	.1	38.3	12.5	385	2.74	1.6	.3	<.5	.7	112	.1	.1	<.1	95	1.44	.060	9	42.4	.92	69	.156	4	1.51	.047	.06	<.1	.04	4.3	<.1	<.05	5
MC-142	.3	41.5	4.0	45	.1	41.1	13.4	570	2.60	1.8	.5	2.2	1.0	125	.1	.2	<.1	75	1.12	.070	9	42.0	.99	95	.169	3	1.59	.052	.07	<.1	.04	3.9	<.1	<.05	5
MC-143	.3	35.5	4.3	42	.1	37.4	12.2	427	3.18	1.4	.3	.7	.9	111	.1	.1	.1	102	1.02	.045	11	50.4	.82	91	.171	4	1.68	.043	.07	.1	.03	4.5	<.1	<.05	5
MC-144	.3	36.5	3.9	46	.1	47.2	14.7	456	2.88	1.7	.8	<.5	1.1	100	.1	.1	<.1	80	1.08	.052	12	44.2	1.12	66	.218	2	2.01	.053	.06	<.1	.03	5.8	<.1	<.05	6
RE MC-143	.3	37.2	4.3	45	.1	39.3	12.8	455	3.33	1.4	.3	<.5	1.0	118	.1	.1	<.1	105	1.12	.048	11	51.0	.90	94	.181	5	1.77	.046	.07	<.1	.04	5.0	<.1	<.05	5
MC-145	.5	39.6	3.9	37	.1	36.5	10.0	277	2.24	2.3	1.1	.6	.5	210	.2	.3	<.1	70	1.73	.069	10	36.4	.78	100	.104	10	1.44	.043	.06	.1	.05	3.7	<.1	.09	4
MC-146	.3	19.4	3.0	47	.1	33.0	11.7	397	2.30	1.3	.5	<.5	.9	82	<.1	.1	<.1	94	.86	.052	7	45.7	.83	53	.198	2	1.23	.054	.06	<.1	.02	2.9	<.1	<.05	4
MC-147	.4	30.1	4.2	53	.1	43.7	14.4	529	2.74	1.7	.7	.6	1.1	98	.1	.1	<.1	100	1.24	.063	10	45.0	1.05	76	.195	3	1.81	.051	.10	<.1	.03	4.5	<.1	<.05	6
MC-148	.3	21.4	3.6	60	.1	39.5	13.1	885	2.59	1.8	.5	<.5	1.0	109	.1	.1	<.1	100	1.10	.070	8	45.5	.98	79	.202	3	1.40	.066	.07	<.1	.02	3.3	<.1	<.05	5
MC-149	.3	28.7	3.7	43	.1	38.3	12.4	422	2.73	1.6	.4	<.5	.7	120	.1	.2	<.1	84	1.28	.058	8	43.1	.96	78	.168	4	1.44	.049	.06	<.1	.04	3.8	<.1	<.05	5
MC-150	.3	29.9	3.8	37	.1	27.6	9.6	1105	2.10	3.5	.3	<.5	.5	208	.1	.2	<.1	64	4.82	.073	7	31.5	.69	104	.119	8	1.23	.035	.07	<.1	.04	2.9	<.1	.06	4
STANDARD DS3	8.9	122.2	32.7	145	.3	36.4	12.5	824	3.07	28.4	5.9	19.7	3.9	29	5.4	5.1	5.5	70	.55	.091	17	194.8	.60	143	.104	2	1.79	.029	.18	3.7	.23	3.0	1.1	<.05	6

Sample type: STREAM SED.. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME AN TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(6 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR03-1 File # A302390

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.4	.6	5.7	8	<.1	.5	.1	5	.04	2.0	<.1	.5	<.1	2	<.1	.1	<.1	1	.11	<.001	<1	1.6	<.01	4	.001	1	.01	.464	.01	.2	.02	.1	<.1	.11	<1	<.5
MC-R78	15.3	12.2	293.9	470	2.0	2.1	1.1	27	.77	140.0	.1	672.2	.2	8	2.0	1.5	<.1	7	.04	.011	2	4.9	.01	81	.001	1	.12	.010	.05	<.1	.74	.4	<.1	.13	<1	<.5
MC-R79	2.6	38.5	29.8	92	.3	17.7	9.4	166	2.59	3.2	.4	10.0	1.1	148	.3	.2	<.1	73	.92	.059	7	42.6	.55	50	.101	1	1.71	.213	.06	.9	.22	6.9	<.1	1.42	4	<.5
MC-R80	16.3	7.8	92.5	138	1.1	4.3	2.8	132	1.13	120.0	.1	1194.7	.2	8	.5	.7	<.1	12	.08	.019	2	16.3	.12	49	.001	<1	.30	.006	.06	<.1	.20	.7	<.1	.06	1	<.5
MC-R81	15.3	5.8	23.2	45	1.6	3.0	1.1	179	1.32	161.0	.1	3222.3	.3	8	.2	.8	<.1	2	.05	.017	2	16.1	.02	45	.001	<1	.10	.003	.05	4.6	.10	.3	<.1	.09	<1	<.5
MC-R82	7.1	6.8	26.9	53	.4	18.0	8.5	470	1.80	36.0	.1	36.0	.4	23	.2	.6	<.1	38	1.28	.050	8	37.8	.53	35	.001	1	.86	.001	.10	<.1	.06	2.1	<.1	.21	3	<.5
MC-R83	1.4	3.6	9.1	35	.1	2.8	.4	1707	.73	5.1	.1	17.0	<.1	239	.2	.1	<.1	3	19.38	.004	3	6.7	2.42	13	.003	1	.06	.007	.01	1.4	.03	.3	<.1	.13	<1	<.5
MC-R84	1.2	8.7	25.5	31	.7	1.3	.5	24	.33	8.7	<.1	17.0	<.1	3	.2	.2	<.1	2	.08	.006	<1	7.3	.01	15	.001	<1	.06	.004	.02	<.1	.04	.2	<.1	.22	<1	<.5
MC-R85	69.7	162.3	18.9	30	180.0	21.2	7.2	245	2.02	178.0	.1	6631.1	.5	22	<.1	4.1	<.1	691	.27	.037	3	49.2	.74	53	.001	1	.90	.009	.11	2.3	3.15	2.5	.1	.19	3	.9
MC-R86	18.8	4.5	46.9	63	.6	5.0	1.8	17	.82	13.0	<.1	6.0	.1	3	.2	.4	<.1	8	.06	.012	1	16.1	.02	19	.001	<1	.09	.001	.03	<.1	.09	.4	<.1	.51	<1	<.5
MC-R87	5.3	5.5	4.1	11	.1	8.7	2.1	114	2.40	7.2	.4	4.0	.1	95	.1	.3	<.1	59	.14	.010	2	17.0	.14	1879	.004	3	.25	.010	.04	4.4	.08	1.1	<.1	.09	1	<.5
MC-R88	51.4	7.1	9.1	17	2.1	3.9	1.5	43	.96	78.6	.1	268.0	.2	22	<.1	1.2	<.1	12	.04	.010	3	18.2	.03	150	.001	<1	.14	.003	.10	3.4	.11	.6	.4	.16	<1	<.5
MC-R89	154.0	9.4	14.4	16	6.0	2.7	1.5	15	1.07	194.0	.1	4009.7	.2	7	<.1	1.1	<.1	7	.07	.013	3	4.4	.03	13	<.001	<1	.23	.002	.07	<.1	.08	.6	.1	.26	1	.6
MC-R90	2.8	15.4	10.7	36	.3	21.5	6.3	324	1.43	50.0	.1	41.0	.5	31	.1	.3	<.1	22	1.25	.042	12	41.6	.56	19	<.001	<1	.83	.001	.07	2.3	.03	1.9	<.1	.08	3	<.5
RE MC-R90	2.9	14.7	10.9	36	.3	17.5	5.8	335	1.47	48.6	.1	59.0	.5	30	.1	.3	<.1	23	1.28	.045	12	39.7	.57	19	<.001	<1	.84	<.001	.08	2.1	.03	2.2	<.1	.13	3	<.5
MC-R91	3.0	13.1	12.4	29	.1	2.4	3.5	239	2.58	4.0	.4	3.0	1.3	64	.1	.1	.3	15	.43	.032	19	3.6	.13	185	.001	4	1.04	.042	.19	<.1	.02	2.4	.1	.10	3	.7
MC-R92	1.7	9.0	8.3	14	.1	1.2	2.2	112	.61	9.5	.7	32.1	3.5	16	<.1	.1	<.1	4	.06	.008	13	3.4	.06	69	.004	1	.22	.038	.06	<.1	.03	2.4	<.1	<.05	1	<.5
MC-R93	.6	82.5	22.1	119	.1	45.0	20.9	1516	4.24	3.2	.3	14.8	1.0	104	.2	.1	<.1	92	2.93	.139	18	38.8	.95	133	.001	6	.63	.026	.10	<.1	.04	9.6	<.1	.09	3	<.5
MC-R94	1.5	5.8	6.3	39	.1	2.1	3.7	449	1.67	8.0	.2	10.3	.7	20	.1	.2	<.1	17	.50	.041	17	7.1	.07	26	.002	1	.27	.031	.04	.5	.01	1.9	<.1	.16	1	<.5
MC-R95	.5	28.0	19.1	163	.1	27.1	22.4	1177	4.48	5.9	.3	5.4	.9	100	.3	.4	.1	82	3.21	.130	16	23.5	1.33	191	.001	4	.44	.019	.08	<.1	.04	7.7	<.1	.61	1	<.5
MC-R96	7.3	4.7	8.8	51	.1	1.8	2.4	464	1.76	25.5	.6	10.0	2.0	18	.1	.4	<.1	18	.77	.058	21	6.4	.06	16	.002	1	.39	.022	.06	.5	.02	2.9	<.1	.13	1	<.5
MC-R97	42.0	75.0	5.6	20	.1	.7	5.9	416	1.41	10.0	.1	9.2	.4	24	.2	.5	.1	11	2.31	.028	4	4.5	.33	14	.001	1	.25	.013	.05	.1	.06	4.5	<.1	.50	1	.6
STANDARD DS5	12.4	140.8	23.8	131	.3	23.2	11.9	770	2.89	17.9	5.8	40.5	2.6	47	5.5	3.7	5.9	60	.73	.095	13	177.0	.67	136	.101	17	2.06	.035	.13	4.8	.16	3.5	.9	<.05	6	4.7

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 4 2003 DATE REPORT MAILED: July 18/03 SIGNED BY. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(6 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR03-1 File # A302391

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	2.5	3.6	3.1	49	<.1	4.9	4.6	636	2.06	<.5	2.3	.5	4.8	89	<.1	.1	.2	43	.74	.081	10	22.1	.65	286	.161	1	1.26	.172	.56	5.4	<.01	3.3	.4	<.05	6	<.5
MC-S54	.3	31.3	5.9	59	.1	39.7	17.2	714	3.44	2.4	2.7	2.7	1.3	80	.1	.1	.1	124	1.35	.107	13	51.3	1.41	79	.351	2	2.02	.082	.06	.1	.02	8.9	<.1	<.05	7	<.5
MC-S55	1.1	34.1	5.7	41	.1	24.4	14.4	470	3.61	48.0	1.0	1.3	1.9	112	<.1	.4	<.1	94	1.39	.052	10	53.3	1.23	97	.023	<1	3.89	.044	.09	.1	.11	8.0	.2	<.05	10	<.5
MC-S56	.8	37.1	4.2	66	.1	37.3	21.7	1100	3.89	4.6	1.0	1.1	1.4	223	.1	.2	.1	111	1.87	.063	13	74.1	1.73	82	.284	1	4.72	.159	.09	.1	.06	11.7	.1	<.05	13	<.5
MC-S57	.5	40.3	4.2	60	.1	34.2	17.8	854	3.75	3.0	.8	.5	1.4	273	<.1	.1	.1	109	1.81	.062	10	70.1	1.60	78	.285	1	4.64	.148	.08	.1	.06	11.5	.1	<.05	12	<.5
MC-S58	.5	30.1	4.7	81	.1	31.2	14.4	695	3.17	2.1	.7	<.5	1.2	137	.1	.1	.1	87	1.00	.082	9	53.8	1.25	80	.245	2	4.39	.073	.11	.1	.04	8.1	.1	<.05	12	<.5
MC-S59	.3	28.9	4.8	66	.1	33.1	14.5	473	3.66	2.2	.7	<.5	1.5	213	<.1	.1	.1	107	1.27	.056	9	62.3	1.50	98	.339	1	4.34	.090	.09	.1	.04	10.0	.1	<.05	12	<.5
MC-S60	.7	28.3	4.5	76	.1	30.4	12.9	435	3.31	1.8	.6	<.5	1.4	308	.1	.1	.1	95	1.21	.088	9	56.7	1.20	128	.279	1	4.42	.062	.15	.1	.03	8.5	.1	<.05	11	<.5
MC-S61	1.1	29.2	4.0	52	.1	28.1	11.7	280	3.72	2.4	.8	1.0	1.6	365	<.1	.1	<.1	106	1.27	.091	10	62.0	1.20	152	.229	<1	4.30	.057	.10	<.1	.07	10.1	.1	<.05	10	<.5
MC-S62	4.1	29.5	5.0	49	<.1	22.6	10.8	258	4.10	1.8	.9	.5	1.8	311	<.1	.1	.1	106	1.19	.062	13	52.9	1.55	182	.173	1	4.58	.054	.08	<.1	.10	10.7	.2	<.05	10	<.5
MC-S63	.4	28.3	4.6	67	.1	30.8	15.0	736	3.48	1.3	.7	<.5	1.6	248	.1	.1	.1	102	1.23	.073	9	60.0	1.65	164	.242	1	4.83	.060	.10	.1	.02	9.9	.1	<.05	11	<.5
MC-S64	.5	26.4	4.9	67	.1	30.2	15.8	589	3.72	1.4	.8	<.5	1.7	136	.1	.1	.1	107	1.08	.076	9	55.5	1.42	118	.301	1	5.19	.060	.07	.1	.03	9.7	.1	<.05	12	<.5
MC-S65	.4	28.0	4.6	60	.1	52.8	16.8	425	3.92	1.3	.7	<.5	1.6	185	.1	.1	<.1	91	1.21	.107	11	52.3	2.09	117	.163	1	4.46	.045	.13	<.1	.09	10.9	.1	<.05	10	<.5
MC-S66	1.1	37.5	4.4	52	.1	30.9	14.7	469	3.54	2.1	1.1	1.0	1.6	268	.1	.1	.1	112	1.51	.048	8	59.1	1.42	120	.188	1	3.73	.070	.06	.1	.12	12.2	.1	<.05	9	<.5
MC-S67	1.6	29.3	4.9	87	.8	53.5	14.9	871	3.11	58.3	.2	164.5	.8	91	.1	1.0	.1	180	.61	.047	3	67.5	1.18	118	.032	1	3.32	.025	.08	<.1	.06	5.0	.1	<.05	10	<.5
MC-S68	1.9	45.0	6.6	79	.1	30.1	14.0	343	3.89	16.9	1.0	53.1	2.0	22	.1	16.1	.1	120	.16	.052	6	41.1	.17	148	.057	3	1.14	.005	.04	<.1	.89	10.9	.1	<.05	5	<.5
RE MC-S68	2.0	42.8	6.4	77	.1	29.1	13.1	327	3.65	16.7	.9	.6	1.9	23	.1	16.3	.1	116	.16	.051	6	38.7	.17	145	.057	3	1.15	.006	.04	<.1	.88	11.1	.1	<.05	5	<.5
MC-S69	1.5	40.7	3.4	59	<.1	14.7	11.3	569	5.29	14.9	1.0	.9	1.6	36	<.1	.3	.1	132	.59	.091	9	40.9	.69	56	.009	4	1.87	.012	.05	<.1	.02	14.5	.1	<.05	7	<.5
MC-S70	8.1	47.1	5.1	53	.1	24.6	10.5	184	5.43	62.1	.5	1.7	1.0	259	<.1	.6	.1	145	1.26	.119	9	57.6	1.15	94	.043	4	4.50	.072	.09	<.1	.06	13.0	.7	<.05	10	<.5
MC-S71	20.4	342.1	16.0	74	.2	23.2	22.8	793	6.84	18.9	.4	15.4	1.3	114	.4	4.7	.2	86	3.22	.086	11	44.7	.78	63	.044	5	1.15	.075	.11	.2	.06	14.3	.1	1.69	4	1.4
MC-S72	1.0	17.3	5.6	58	.1	3.5	7.5	913	2.12	9.7	.4	3.1	1.8	59	.1	.4	<.1	34	4.00	.070	16	4.2	.35	25	.021	4	1.80	.022	.06	<.1	.04	4.4	.1	<.05	8	<.5
MC-S73	1.6	35.9	9.8	94	.1	7.9	10.2	2111	2.70	4.4	.9	3.1	2.2	171	.6	.1	.1	45	6.62	.140	39	10.6	.35	263	.015	18	.94	.011	.25	<.1	.02	3.4	<.1	<.05	4	.8
MC-S74	2.4	29.8	15.8	83	.1	5.0	8.5	1059	2.88	7.2	1.0	2.4	1.3	80	.3	.1	.2	28	3.30	.091	27	5.5	.29	96	.006	8	.67	.006	.20	.1	.01	2.2	<.1	.08	2	2.2
MC-S75	2.5	35.9	8.6	67	<.1	7.1	10.3	1278	2.59	8.8	.5	4.6	1.4	69	.2	.1	.1	31	3.93	.068	27	10.7	.40	55	.003	2	.83	.006	.11	.1	.01	3.4	<.1	<.05	4	<.5
STANDARD DS5	13.1	141.2	25.5	138	.3	24.5	12.0	794	3.01	18.1	6.3	44.0	2.9	50	5.5	3.8	6.1	61	.82	.095	13	194.7	.68	144	.119	17	2.13	.036	.15	4.7	.16	3.8	1.1	<.05	7	4.6

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 4 2003 DATE REPORT MAILED: July 18/03 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data__ FA __

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR03-1 File # A302392 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	2.6	3.7	2.9	49	<.1	5.8	4.7	641	2.17	<.5	2.2	<.5	5.0	101	<.1	<.1	.2	45	.68	.084	10	21.0	.65	305	.148	1	1.39	.150	.60	4.4	<.01	2.8	.4	<.05	6	<.5
MC-126-1	.3	26.2	4.3	52	.1	41.4	14.8	643	2.95	2.6	1.2	.9	1.6	116	.1	.2	<.1	91	1.04	.076	13	49.8	1.21	123	.117	2	1.73	.061	.10	<.1	.22	7.1	<.1	<.05	5	<.5
MC-126-2	.4	40.6	4.3	49	.1	40.0	14.9	589	2.93	2.7	2.0	.8	1.6	133	.1	.4	.1	113	1.32	.081	15	41.7	1.27	104	.125	3	1.88	.078	.09	.1	.08	7.9	<.1	<.05	6	.6
MC-129-1	.7	31.8	4.3	49	.1	48.8	17.0	1578	3.05	4.3	1.4	2.5	1.2	121	.1	.2	.1	95	1.54	.097	15	38.2	1.43	88	.110	4	1.81	.056	.06	<.1	.08	6.8	<.1	<.05	5	.6
MC-130-1	.4	30.1	4.1	59	.1	80.3	17.9	659	3.52	3.9	.8	4.8	1.0	180	.1	.3	.1	111	1.42	.078	12	64.6	1.72	85	.113	3	2.34	.096	.05	.1	.11	7.1	<.1	<.05	6	<.5
MC-130-2	.3	27.6	4.4	54	.1	38.4	16.2	596	3.24	4.9	.8	<.5	1.6	139	.1	.3	.1	97	1.11	.064	13	38.3	1.27	100	.133	2	2.33	.065	.07	.1	.13	8.3	<.1	<.05	6	<.5
MC-130-3	.6	46.1	4.1	49	.2	33.3	15.0	692	2.91	8.2	1.0	1.4	1.0	168	.1	.5	.1	112	1.51	.059	10	48.7	1.09	77	.159	3	2.00	.050	.07	.1	.12	6.8	<.1	<.05	6	.9
MC-130-4	.4	26.0	4.8	58	.1	35.3	15.0	572	3.11	5.1	1.1	.6	1.3	144	.1	.2	.1	94	1.21	.078	15	35.2	1.23	117	.118	1	2.30	.057	.07	.1	.12	8.0	<.1	<.05	6	.5
MC-130-5	.5	38.5	6.1	56	.4	34.2	12.7	767	2.90	3.5	1.2	1.5	1.1	129	.2	.3	.1	72	1.60	.069	30	34.3	1.03	114	.100	3	2.93	.035	.08	<.1	.11	10.4	.1	<.05	8	<.5
MC-130-6	.4	30.7	5.3	59	.2	32.5	15.7	766	3.13	3.7	1.2	2.1	1.3	103	.2	.1	.1	94	1.18	.069	20	30.9	1.26	153	.096	1	2.66	.041	.08	<.1	.19	10.7	.1	<.05	7	<.5
MC-130-7	.5	28.3	5.2	61	.2	40.9	15.9	596	3.17	6.8	1.2	<.5	1.1	190	.2	.1	<.1	95	1.37	.096	16	34.6	1.31	132	.095	3	2.40	.058	.08	<.1	.10	8.3	<.1	<.05	7	.7
MC-130-8	.6	26.4	5.1	57	.1	35.6	16.0	657	3.06	6.9	1.3	.6	1.3	112	.1	.1	.1	92	1.25	.081	17	35.8	1.22	102	.117	2	2.26	.063	.08	<.1	.17	9.1	<.1	<.05	6	.5
MC-130-9	.3	25.7	3.3	72	.1	72.8	20.3	1151	3.51	5.2	.8	<.5	1.2	164	.1	.2	<.1	106	1.28	.090	13	56.5	1.56	96	.110	2	2.37	.105	.04	<.1	.06	6.9	<.1	<.05	6	<.5
MC-131-1	.3	71.5	5.4	45	.6	33.8	12.3	611	3.18	6.3	1.0	5.0	1.5	106	.1	.3	.1	69	1.42	.053	25	44.8	1.02	89	.084	2	3.79	.021	.10	.1	.06	10.2	<.1	<.05	9	<.5
MC-134-1	.3	27.6	4.3	49	.1	37.2	12.0	546	2.62	1.3	1.9	<.5	1.2	118	.1	.1	.1	71	1.26	.070	17	42.7	1.08	84	.181	3	2.59	.046	.05	.1	.05	9.4	<.1	<.05	7	.5
MC-152	.6	23.9	3.3	50	.1	27.9	13.0	1098	2.35	2.7	1.5	1.3	1.2	169	.1	.2	<.1	96	1.55	.090	11	31.5	.97	81	.179	4	1.57	.079	.05	.1	.04	6.3	<.1	.21	5	<.5
MC-153	.4	23.7	4.2	50	<.1	34.5	13.9	565	2.74	1.5	.9	.5	1.2	144	.1	.2	<.1	97	1.49	.066	11	31.3	1.00	56	.209	6	1.45	.075	.06	.1	.04	5.7	<.1	<.05	4	.7
MC-154	.2	33.4	4.2	41	.1	25.2	10.3	412	2.41	1.3	1.5	.7	1.0	120	.1	.1	<.1	81	1.34	.039	10	35.3	.82	59	.196	4	1.72	.069	.06	.1	.05	6.2	<.1	<.05	5	.7
MC-155	.4	26.8	4.1	59	.1	74.3	20.9	706	3.46	1.3	.6	<.5	1.0	144	.1	.1	<.1	93	1.02	.086	12	51.0	2.01	103	.151	1	2.37	.125	.07	.1	.03	7.2	<.1	<.05	6	<.5
MC-156	.6	21.1	4.7	58	.1	48.2	18.1	985	3.25	7.0	.9	<.5	1.1	109	.2	.1	<.1	112	1.02	.096	14	43.2	1.37	117	.113	1	2.20	.089	.05	.1	.04	6.6	<.1	<.05	6	<.5
MC-157-1	.6	18.1	5.7	53	.1	31.5	13.1	1149	2.93	3.0	.8	<.5	.7	106	.1	.1	.1	94	.90	.069	17	37.3	.89	206	.076	2	2.20	.047	.05	<.1	.04	7.0	<.1	<.05	6	<.5
MC-157-2	1.5	17.8	4.8	50	.1	32.7	13.5	1617	3.28	6.8	.8	<.5	.4	113	.2	.7	<.1	81	1.54	.093	13	35.6	.67	346	.040	6	1.61	.045	.04	<.1	.15	6.3	.1	.08	4	.8
MC-157-3	.9	13.5	3.0	51	.1	25.2	8.5	503	2.57	5.8	1.1	<.5	.5	88	.1	.1	<.1	77	1.13	.096	10	29.3	.55	187	.042	3	1.24	.052	.03	<.1	.06	4.8	<.1	.14	3	.6
MC-158	.5	24.3	6.2	58	.1	42.2	16.7	691	3.30	2.2	.7	1.9	1.5	184	.1	.2	.1	93	1.14	.100	13	42.1	1.48	98	.174	4	1.91	.159	.07	.1	.02	6.8	<.1	<.05	6	<.5
MC-159	.5	29.0	5.9	57	.1	43.3	17.2	815	3.32	2.7	.7	.9	1.4	147	.1	.2	.1	90	1.05	.102	14	45.4	1.43	104	.148	3	1.89	.094	.07	.1	.03	7.3	<.1	<.05	6	<.5
MC-160	.4	24.8	4.1	59	.1	51.4	19.5	788	3.52	5.1	.7	.6	1.3	121	.1	.2	<.1	100	.90	.103	14	48.4	1.51	96	.130	4	2.13	.112	.06	.1	.02	7.2	<.1	<.05	5	<.5
RE MC-160	.4	24.6	3.9	61	<.1	52.3	19.2	800	3.54	5.4	.7	.9	1.4	124	.1	.2	.1	101	.91	.103	14	48.5	1.53	98	.131	3	2.16	.117	.06	<.1	.02	7.4	<.1	<.05	5	<.5
MC-161	.4	26.9	4.1	59	.1	39.1	18.5	875	3.41	5.7	.9	<.5	1.2	97	.1	.3	.1	88	.90	.102	13	41.1	1.40	104	.103	4	2.09	.080	.07	<.1	.02	8.0	<.1	<.05	5	<.5
MC-162	.6	27.7	4.1	61	.1	22.3	18.1	1552	3.77	4.5	.7	<.5	1.7	100	.1	.1	.1	94	.93	.107	18	28.0	.81	174	.066	4	1.60	.045	.04	<.1	.02	7.2	.1	<.05	4	<.5
MC-163	.3	31.0	3.1	49	.1	47.4	15.4	431	2.74	1.2	.6	.7	1.0	179	<.1	.2	<.1	88	2.45	.072	11	42.1	1.32	67	.164	8	1.64	.084	.06	<.1	.03	5.0	<.1	.06	5	.6
MC-164	.3	25.1	5.4	50	.1	39.3	14.4	441	2.82	1.9	.7	5.5	1.3	124	<.1	.3	.1	87	1.03	.074	11	36.8	1.19	87	.159	3	1.65	.083	.06	<.1	.02	5.6	<.1	<.05	5	<.5
MC-165	.4	26.4	6.4	51	.1	35.7	14.7	478	2.96	2.6	.7	1.1	1.3	130	<.1	.4	.1	88	1.09	.077	11	37.2	1.15	94	.176	4	1.82	.073	.06	.1	.03	6.2	<.1	<.05	6	<.5
MC-166	.4	23.2	3.0	47	<.1	51.9	15.6	442	2.70	.5	.6	2.8	1.7	104	<.1	.1	<.1	75	.93	.066	11	34.4	1.42	89	.122	3	1.45	.119	.08	<.1	.01	6.0	<.1	<.05	4	<.5
MC-167	.5	37.3	3.8	49	.1	40.9	12.9	370	2.75	1.0	.9	1.7	.8	136	<.1	.2	<.1	88	1.60	.078	10	49.9	1.18	47	.193	11	1.90	.078	.06	.1	.05	5.4	<.1	.06	6	.5
MC-168	.9	88.0	3.5	47	.1	16.6	8.9	382	3.09	2.8	2.5	1.2	1.0	64	.1	.2	<.1	118	1.04	.090	8	26.6	.47	88	.063	5	1.10	.025	.07	.1	.06	3.0	<.1	.06	4	1.1
STANDARD	12.7	144.7	25.6	137	.3	24.2	12.1	794	2.96	18.4	6.2	42.0	2.6	50	5.6	3.7	6.2	60	.73	.095	12	179.2	.68	138	.095	17	2.06	.032	.13	4.7	.17	3.4	1.0	<.05	7	4.9

Standard is STANDARD DS5.

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: STREAM SED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 4 2003 DATE REPORT MAILED: July 18/03 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data A FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR03-6 File # A304879

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.1	.3	.3	<1	<.1	.1	<.1	<1	.04	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	<1	.11	<.001	<1	1.2	<.01	2	.001	<1	.01	.41	<.01	<.1	.01	<.1	<.1	<.05	<1	<.5
MC-R132 ✓	.8	17.7	1.8	70	<.1	37.6	17.2	1005	3.89	5.6	.2	1.9	1.9	106	.1	.2	<.1	120	7.00	.119	13	90.4	.79	150	.015	4	.67	.005	<.01	<.1	.06	12.4	<.1	<.05	2	<.5 ✓
STANDARD	12.3	136.3	23.9	131	.2	24.4	11.9	762	2.92	18.0	5.8	42.3	2.8	46	5.4	3.6	6.0	58	.72	.092	11	179.6	.65	128	.093	17	2.04	.032	.13	4.8	.17	3.4	.9	<.05	7	4.9

Standard is STANDARD DS5.

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: OCT 9 2003 DATE REPORT MAILED: Oct 22/2003 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-1 File # A404031

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	2.1	3.6	3.0	49	<.1	4.9	4.4	559	1.98	.7	2.0	<.5	4.2	86	<.1	<.1	.1	42	.59	.076	10	19.4	.62	264	.163	2	1.15	.223	.60	3.8	<.01	3.9	.4	<.05	6	<.5	30.0
MC126-3	.3	28.7	3.7	52	.1	35.6	12.6	409	2.86	2.4	.9	2.8	1.2	115	.1	.2	<.1	80	.96	.058	11	49.0	1.00	104	.137	6	1.37	.069	.07	.1	.07	5.8	<.1	.07	5	.5	30.0
MC126-4	.4	26.9	4.0	54	.1	36.7	12.6	483	2.88	2.7	.7	5.0	1.3	107	.1	.2	.1	87	.98	.062	11	53.9	1.03	119	.142	5	1.57	.069	.09	<.1	.08	6.9	<.1	.07	5	.6	30.0
MC128-1	.3	16.6	3.3	55	<.1	25.4	11.1	553	2.47	1.4	.5	1.0	.9	113	.1	.1	<.1	78	.88	.046	7	33.7	.80	60	.214	4	1.14	.077	.05	.1	.03	4.7	<.1	.07	4	<.5	30.0
MC128-2	.3	18.2	3.5	60	<.1	26.3	11.2	754	2.52	1.5	.6	1.0	1.0	111	<.1	.1	<.1	85	.93	.055	8	35.6	.82	66	.223	3	1.29	.083	.05	<.1	.03	5.0	<.1	<.05	5	<.5	30.0
MC-236	.3	28.2	3.8	56	.1	37.5	13.5	470	3.08	1.7	1.1	1.0	1.5	101	.1	.1	<.1	97	1.04	.051	12	40.4	.99	81	.174	4	1.56	.084	.07	<.1	.10	7.5	<.1	<.05	6	<.5	30.0
MC-237	.4	25.5	4.0	59	<.1	34.0	13.7	538	3.30	2.0	.8	.9	1.6	126	.1	.1	<.1	128	1.16	.077	13	57.8	.94	73	.202	4	1.53	.086	.08	.1	.11	6.6	<.1	.06	5	<.5	30.0
MC-238	.3	17.6	3.9	56	<.1	24.2	13.1	476	2.64	1.9	.7	3.4	1.3	105	.1	.1	<.1	83	.91	.024	8	39.5	.71	82	.244	5	1.25	.073	.07	<.1	.04	5.6	<.1	<.05	5	.5	30.0
MC-239	.6	38.8	4.5	57	.2	40.9	13.1	548	3.14	1.8	2.0	1.6	1.3	89	.1	.2	<.1	107	1.30	.057	18	41.3	.96	88	.151	6	1.89	.075	.08	.1	.12	9.0	<.1	.10	6	<.5	15.0
MC-240	.4	33.9	4.3	62	.1	41.9	17.1	617	3.60	1.9	1.0	.7	1.7	109	.1	.1	.1	107	1.07	.057	13	43.4	1.12	75	.207	3	2.00	.086	.07	<.1	.13	8.6	<.1	<.05	6	<.5	30.0
MC-241	.3	21.1	3.5	46	.1	28.7	12.5	1005	2.42	3.3	1.3	<.5	1.0	112	<.1	.2	<.1	86	1.25	.053	8	44.4	.83	66	.187	4	1.38	.079	.05	.1	.05	4.9	<.1	.06	5	.7	15.0
MC-242	.5	33.5	4.4	63	.1	40.7	15.2	620	3.01	1.9	1.1	3.0	1.3	151	.1	.2	<.1	107	1.60	.082	13	59.2	1.03	75	.131	8	1.47	.077	.07	<.1	.06	7.6	<.1	<.05	5	1.4	15.0
MC-243	.5	30.0	3.7	61	.1	39.2	14.8	632	3.23	2.4	.7	67.2	1.4	127	.1	.1	<.1	113	1.06	.078	13	62.8	1.10	88	.167	5	1.55	.078	.07	<.1	.05	6.4	<.1	<.05	6	<.5	30.0
MC-244	.4	29.6	3.6	64	.1	42.9	16.9	621	3.10	2.0	1.1	<.5	1.4	126	.1	.1	<.1	95	1.24	.081	13	62.5	1.09	79	.176	5	1.69	.072	.06	<.1	.04	6.6	<.1	.07	5	.7	15.0
MC-245	.4	28.8	3.8	59	<.1	36.1	14.9	624	3.18	2.1	.8	1.0	1.7	140	.1	.1	<.1	101	1.08	.078	12	48.4	1.04	83	.191	4	1.63	.078	.08	<.1	.05	7.3	<.1	<.05	5	<.5	30.0
MC-246	.5	27.5	3.7	62	.1	38.0	15.2	570	3.46	2.6	.9	1.6	1.5	130	.1	.2	<.1	126	1.13	.078	13	55.8	1.01	81	.184	5	1.46	.087	.07	<.1	.10	6.7	<.1	<.05	5	.5	30.0
MC-247	.3	17.1	3.7	47	<.1	23.5	10.4	298	2.50	2.1	1.1	.7	.9	114	<.1	.6	<.1	90	.96	.044	7	49.7	.67	62	.224	5	1.36	.082	.05	<.1	.02	4.3	<.1	<.05	4	.8	30.0
MC-248	.3	16.2	3.7	49	<.1	22.4	10.6	1487	2.17	8.4	.7	1.2	.9	110	.1	.4	<.1	87	1.22	.036	7	29.5	.69	72	.196	5	1.14	.074	.06	<.1	.10	5.1	<.1	.08	4	.5	30.0
MC-249	.2	27.6	3.5	48	.1	33.7	11.8	359	2.52	1.1	.9	<.5	.9	86	.1	.1	<.1	81	1.34	.038	11	37.2	.98	40	.289	8	1.57	.091	.06	<.1	.02	5.7	<.1	.07	6	.7	30.0
MC-250	.3	20.3	3.6	60	.1	29.3	12.1	662	2.54	1.4	.5	.5	1.0	123	.1	.1	<.1	84	1.27	.056	8	40.3	.89	63	.248	5	1.52	.082	.06	<.1	.03	6.0	<.1	.08	4	<.5	15.0
RE MC-250	.3	21.4	3.8	62	.1	31.5	12.7	729	2.73	1.6	.6	1.0	1.1	134	.1	.1	<.1	89	1.20	.061	9	46.0	.97	71	.269	5	1.54	.098	.07	<.1	.03	6.0	<.1	<.05	5	.5	15.0
MC-251	.4	30.2	3.9	87	.1	41.4	15.2	591	3.39	1.8	.4	1.3	1.3	101	.1	.1	<.1	101	1.29	.063	11	56.9	1.12	74	.235	7	1.86	.070	.11	<.1	.03	7.5	<.1	<.05	6	<.5	15.0
MC-252	.5	41.3	3.8	42	.1	30.1	10.2	373	2.44	1.2	1.0	.9	.6	100	.1	.4	<.1	88	2.09	.040	7	45.2	.85	39	.217	11	1.43	.064	.06	<.1	.06	5.9	<.1	.06	5	1.9	15.0
MC-253	.3	61.0	4.6	58	.2	37.5	12.9	484	2.99	1.2	1.3	2.3	1.2	102	.2	.2	.1	89	1.63	.047	15	48.2	1.00	52	.228	7	2.42	.052	.07	.1	.07	8.4	<.1	<.05	8	.9	15.0
MC-254	.3	35.0	5.1	62	.1	28.0	12.4	673	3.16	.7	.7	.7	1.5	78	.2	.1	.1	86	1.24	.075	18	42.7	.85	64	.240	4	2.16	.051	.13	<.1	.03	8.8	<.1	<.05	6	<.5	15.0
MC-255	.4	39.1	4.2	57	.2	30.7	12.3	525	2.77	1.8	.8	<.5	1.6	99	.1	.2	.1	91	1.27	.055	15	42.8	1.12	63	.223	4	2.74	.062	.08	.1	.08	9.6	<.1	<.05	8	<.5	30.0
MC-256	.4	8.1	1.2	18	<.1	8.6	6.0	1400	1.01	2.1	.4	<.5	.1	758	.1	.1	<.1	27	21.68	.053	3	13.9	.59	31	.041	17	.49	.039	.02	<.1	.03	1.3	<.1	.32	2	2.2	15.0
MC-257	.4	41.8	3.5	51	.1	33.5	12.9	472	3.14	2.8	.4	1.5	1.0	144	.1	.4	.1	93	2.43	.042	13	40.3	1.09	94	.121	6	1.53	.062	.07	<.1	.07	6.5	<.1	.09	5	.8	15.0
MC-258	.3	45.3	3.3	46	.1	30.8	10.2	325	1.95	1.2	1.1	.6	.6	115	.1	.2	<.1	85	1.62	.062	9	32.5	.98	87	.105	6	1.14	.073	.07	<.1	.06	4.5	<.1	.16	3	.6	15.0
MC-259	.4	25.2	3.7	53	<.1	33.3	15.3	824	3.13	5.9	1.2	1.4	1.3	115	.1	.7	<.1	90	.95	.069	11	55.6	1.10	100	.136	3	1.45	.046	.10	<.1	.03	6.7	<.1	.06	5	.5	30.0
MC-260	.5	20.8	3.1	41	.1	28.6	12.1	979	2.41	3.9	1.1	<.5	.8	104	.1	.4	<.1	75	1.35	.067	9	35.7	.96	104	.110	6	1.24	.054	.08	<.1	.04	4.5	<.1	.06	4	.5	7.5
MC-261	.2	17.0	3.4	48	<.1	28.9	11.1	365	2.63	3.0	.8	3.6	.9	117	<.1	.5	<.1	84	.80	.046	7	51.4	.97	91	.154	3	1.50	.049	.10	<.1	.03	5.4	<.1	<.05	4	<.5	30.0
STANDARD DS5	12.4	146.2	25.4	139	.3	25.6	11.8	795	3.02	17.9	6.4	42.0	2.7	46	5.8	3.9	6.1	64	.72	.094	12	191.2	.72	134	.110	16	2.06	.034	.14	5.0	.19	3.6	1.1	<.05	7	5.0	30.0

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: STREAM SED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____ DATE RECEIVED: AUG 3 2004 DATE REPORT MAILED: Aug.14/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-1 File # A404032

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	2.2	3.0	2.9	45	<.1	4.3	4.4	539	2.02	.6	2.1	<.5	4.5	83	<.1	<.1	.1	38	.64	.076	11	24.4	.60	275	.132	1	1.09	.139	.61	3.6	<.01	3.2	.3	<.05	5	<.5	30
MC-S89	1.1	58.1	6.2	129	.1	59.2	19.5	935	2.97	8.0	.2	4.8	.7	113	.3	.2	.1	55	1.82	.299	16	45.3	.34	265	.040	14	.98	.015	.20	.1	.07	8.3	<.1	.10	3	<.5	15
MC-S90	.5	53.5	6.1	155	.2	116.1	30.2	1049	4.68	6.3	.3	2.1	.8	171	.2	.4	.1	86	1.66	.295	13	133.7	.43	387	.041	9	2.36	.019	.21	.1	.04	13.3	<.1	<.05	6	.5	15
MC-S91	.4	40.5	4.0	55	.1	42.9	14.5	428	3.95	1.8	.9	.8	2.1	97	.1	.1	<.1	101	1.15	.080	17	52.1	1.05	62	.281	1	2.19	.054	.11	.1	.01	12.9	<.1	<.05	7	<.5	15
MC-S92	.5	28.8	5.8	93	<.1	41.8	19.9	1204	4.09	1.6	.9	.5	1.7	87	.1	.1	.1	96	.94	.082	12	135.7	1.49	53	.322	1	3.57	.050	.19	.1	.02	11.3	<.1	<.05	11	<.5	30
STANDARD DS5	12.6	143.4	25.0	135	.3	23.8	12.7	747	3.14	19.6	6.5	41.4	2.8	48	6.2	3.8	6.2	61	.77	.092	14	177.0	.69	144	.098	17	1.97	.035	.14	4.7	.17	3.6	1.1	<.05	6	4.9	30

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data f FA ____ DATE RECEIVED: AUG 3 2004 DATE REPORT MAILED: Aug 10/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME A TTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(6 53-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-1 File # A404033

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

	SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg	
	SI	<.1	.6	1.1	1	<.1	.1	<.1	<1	.04	<.5	<.1	.6	<.1	3	<.1	<.1	<.1	<1	.14	<.001	<1	<1	.01	3	<.001	<1	.01	.619	.01	<.1	<.01	<.1	<.1	.06	<1	<.5	-	
	MC-R133	30.6	37.3	7.1	47	1.7	28.1	17.1	1417	3.83	79.2	.3	1811.5	.3	112	.3	.8	<.1	51	9.56	.055	7	15.2	.36	999	.002	2	.51	.003	.05	<.1	.03	3.4	<.1	.18	1	<.5	1.62	
	MC-R134	1.8	94.4	15.6	36	5.3	4.6	2.7	185	.93	28.0	<.1	191.8	<.1	8	.4	21.6	<.1	9	.52	.003	<1	3.6	.07	70	.001	1	.04	.003	.01	<.1	9.15	.4	<.1	.10	<1	<.5	.51	
	MC-R135	.4	25.0	3.2	10	11.6	5.0	1.8	278	1.00	5.0	<.1	344.4	<.1	12	.3	.6	.6	14	.56	.014	1	4.1	.25	24	<.001	1	.08	.002	<.01	<.1	.72	.4	<.1	<.05	<1	<.5	.44	
	MC-R136	3.2	5.6	2.5	9	.1	3.9	1.4	111	.77	3.5	<.1	7.5	.1	316	<.1	.1	<.1	16	.40	.009	1	5.2	.10	59	.015	<1	.62	.072	.06	<.1	.06	1.2	.1	<.05	1	<.5	.35	
X	MC-R137	.4	18.6	4.1	45	<.1	36.1	13.9	566	2.57	.5	.7	1.9	1.5	318	.1	.1	<.1	84	1.11	.085	15	21.3	.93	152	.226	2	1.46	.103	.18	.1	.03	5.4	<.1	<.05	5	<.5	.51	X
	MC-R138	34.2	18.6	3.9	42	.5	27.4	13.8	831	2.91	9.4	.2	10.1	.4	76	.1	.2	<.1	51	3.40	.061	9	33.4	1.17	180	.003	4	.49	.009	.02	<.1	.04	4.6	.2	.12	2	<.5	1.30	
	MC-R139	22.1	25.5	2.2	12	3.7	5.1	2.8	620	.92	102.6	.1	1075.0	.2	443	.1	1.0	<.1	30	8.75	.024	3	5.9	.11	15	.001	1	.16	.002	.02	<.1	.13	.9	.3	.12	1	.6	1.41	
	MC-R140	.7	5.4	1.3	4	.8	4.4	1.7	925	.71	147.9	<.1	501.1	.1	147	.1	.9	<.1	12	8.95	.014	3	3.6	.06	22	.002	1	.12	.002	.02	<.1	.13	.8	.1	.14	<1	<.5	.97	
	MC-R141	28.7	22.7	11.2	7	4.4	5.1	3.0	152	1.14	75.5	.1	3322.7	.1	9	<.1	.7	.1	15	.11	.023	3	8.6	.07	25	.001	1	.19	.004	.05	<.1	.19	.7	.1	.11	1	<.5	.58	
	MC-R142	18.1	54.1	3.0	14	2.7	15.4	5.9	207	2.00	156.9	.1	802.8	.2	30	<.1	4.1	<.1	34	.06	.030	2	15.1	.02	85	.002	1	.26	.002	.03	<.1	1.13	1.7	.1	<.05	1	<.5	1.28	
	MC-R143	1.4	7.7	3.8	25	.5	5.4	2.5	98	.90	197.9	.1	339.6	.3	6	<.1	3.7	<.1	9	.07	.006	4	5.3	.01	22	.001	1	.16	.001	.02	<.1	.28	.7	.4	.36	<1	1.1	1.07	
	MC-R144	.7	30.9	1.8	68	.5	31.4	13.2	713	3.57	19.2	.2	43.9	.7	26	.2	3.5	<.1	96	.06	.031	4	30.5	.02	29	.002	2	.46	.001	.01	<.1	1.65	9.4	<.1	<.05	1	<.5	.82	
	RE MC-R144	.8	30.1	1.9	68	.6	31.1	13.1	717	3.60	18.7	.2	55.0	.7	33	.2	3.8	<.1	93	.06	.035	4	30.2	.03	32	.002	2	.50	.001	.02	<.1	1.80	9.6	<.1	<.05	1	<.5	-	
	MC-R145	.5	1.9	1.0	10	.1	2.9	1.1	926	.86	42.8	<.1	71.7	<.1	43	.1	.2	<.1	3	5.15	.014	1	2.5	.06	135	.001	<1	.08	.001	.01	<.1	.04	.3	<.1	.07	<1	<.5	.73	
	MC-R146	1.3	22.7	3.4	29	1.7	19.9	10.8	427	2.04	10.6	.2	40.6	.3	27	.2	.7	<.1	46	.06	.026	3	25.7	.03	54	.003	1	.28	.002	.02	<.1	.18	4.3	<.1	.09	1	<.5	1.13	
	MC-R147	.6	15.0	1.5	15	.5	12.2	6.1	219	1.05	14.7	.2	984.6	.3	33	.1	1.9	<.1	31	.35	.016	3	17.8	.02	7	.003	2	.34	.001	.02	<.1	.65	1.8	<.1	<.05	1	.7	2.96	
	MC-R148	.3	42.8	9.0	71	.1	46.2	24.7	1095	4.58	23.8	.3	9.7	.6	64	.2	.8	.2	127	5.67	.033	7	34.0	2.44	115	.003	1	.46	.007	.01	<.1	.42	7.6	<.1	.77	2	.8	1.13	
	MC-R149	.5	32.1	1.9	20	.3	13.4	3.7	96	1.43	31.3	.1	59.2	.1	88	<.1	6.8	<.1	40	.05	.017	1	18.3	.02	287	.002	1	.48	.002	.02	<.1	2.05	2.5	<.1	.06	1	<.5	1.30	
	MC-R150	.5	2.2	.7	6	<.1	3.2	1.8	326	.53	15.9	<.1	18.2	<.1	15	<.1	.5	<.1	6	.03	.007	<1	6.7	.05	37	.001	<1	.10	.002	.02	<.1	.03	.4	<.1	<.05	<1	<.5	1.74	
	MC-R151	.9	3.6	1.1	4	.2	4.5	1.3	221	.74	170.2	<.1	439.2	.1	19	<.1	1.0	<.1	8	1.16	.009	2	7.3	.08	17	<.001	1	.10	.003	.02	<.1	.08	.3	<.1	.15	<1	<.5	1.36	
	MC-R152	1.3	2.9	.7	3	.2	3.6	1.2	493	.59	62.1	<.1	525.1	<.1	170	<.1	.5	<.1	5	5.81	.009	2	4.8	.04	79	.001	<1	.15	.002	.03	<.1	.07	.4	<.1	.07	<1	<.5	1.03	
	MC-R153	.5	4.3	1.3	4	.3	2.8	.7	151	.66	192.9	<.1	308.9	<.1	53	<.1	1.4	<.1	4	.26	.004	<1	6.2	.02	32	.001	<1	.10	.001	.03	<.1	.03	.2	<.1	<.05	<1	<.5	2.34	
	STANDARD DS5	12.3	144.8	25.8	141	.3	24.6	11.4	787	3.01	18.0	6.2	42.0	2.7	50	5.6	3.6	5.8	61	.76	.091	12	178.2	.69	133	.103	16	2.02	.034	.14	4.8	.16	3.3	1.1	<.05	7	5.0	-	

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____ **DATE RECEIVED:** AUG 3 2004 **DATE REPORT MAILED:** Aug. 14/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. File # A404599

1103 - 750 W. Pender St., Vancouver BC V6C 2T8

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.1	28.9	1.2	3	<.1	.5	.2	9	.10	1.1	<.1	<.5	<.1	5	<.1	.1	<.1	<1	.23	<.001	<1	1.4	.01	9	.001	2	.02	.912	.01	<.1	<.01	<.1	<.1	<.05	<1	<.5
MC-R154	25.1	12.3	2.7	7	.4	8.9	2.5	70	.79	30.0	.1	435.0	.2	24	<.1	.7	<.1	14	.12	.011	2	21.7	.15	17	.016	1	.22	.021	.02	.1	.04	.7	.1	<.05	1	<.5
MC-R155	1.5	11.1	5.1	8	1.7	1.9	1.4	1045	.57	94.5	<.1	389.1	.1	258	.1	.7	.1	6	12.77	.006	1	10.6	.10	32	.002	2	.07	.004	.02	1.1	.05	.6	<.1	.09	<1	<.5
MC-R156	13.9	23.5	5.8	25	.9	14.3	9.7	196	2.88	27.3	.2	5.5	.2	47	.2	1.3	.1	40	.04	.019	2	34.2	.02	127	.005	2	.36	.001	.02	<.1	.11	4.2	<.1	<.05	1	.5
MC-R157	2.2	5.2	1.5	3	.1	3.8	1.9	165	.67	189.7	<.1	482.1	.1	5	<.1	.4	<.1	4	.40	.007	2	18.5	.04	75	.001	1	.10	.004	.01	2.4	.01	.3	<.1	.09	<1	<.5
MC-R158	.4	41.2	1.8	67	.1	45.2	18.7	355	3.54	21.6	.2	18.4	.6	21	.1	2.6	<.1	85	.13	.065	6	37.1	.04	12	.002	2	.68	.004	.01	<.1	.13	8.8	<.1	<.05	2	<.5
MC-R159	1.1	7.5	2.6	14	1.0	8.5	4.4	373	1.18	7.3	.1	9.9	.3	24	.5	.5	<.1	16	.77	.042	4	18.2	.26	80	.002	<1	.29	.002	.02	1.0	.01	2.0	<.1	.06	1	<.5
MC-R160	5.7	22.4	2.8	11	.3	8.6	3.6	196	1.19	143.2	.1	390.8	.2	7	.1	.6	<.1	22	.13	.016	4	14.8	.04	83	.003	1	.25	.006	.01	<.1	.22	1.3	<.1	<.05	1	<.5
MC-R161	17.0	7.4	1.5	6	1.3	5.1	1.6	271	.78	111.4	<.1	1758.9	.1	5	<.1	1.5	<.1	29	.05	.012	3	17.8	.03	16	.002	<1	.14	.002	.04	2.7	.06	.7	.2	.09	1	2.1
MC-R162	3.8	7.2	1.5	10	.6	6.7	3.7	343	.87	150.9	.1	743.8	.2	46	.1	.8	<.1	13	2.48	.017	4	22.1	.04	123	.002	<1	.18	.002	.03	1.4	.10	.8	<.1	.06	1	<.5
MC-R163	.5	78.3	1.0	50	.1	30.1	9.9	315	2.78	36.4	.2	19.3	.3	43	<.1	9.7	<.1	80	.04	.028	2	33.9	.05	11	.003	1	.49	.001	.01	.1	1.04	8.4	.1	<.05	1	<.5
MC-R164	13.5	42.2	3.0	14	.5	21.8	8.6	290	1.64	16.9	.1	16.1	.2	6	.1	.2	<.1	33	.23	.028	4	35.5	.04	19	.001	3	.23	.002	.06	.9	.01	2.2	<.1	.21	1	<.5
MC-R165	.6	20.8	2.0	24	.2	17.8	6.0	133	1.61	24.2	.2	74.4	.1	65	<.1	5.2	<.1	41	.02	.009	1	22.5	.01	25	.003	1	.41	.001	.01	.5	1.31	4.4	<.1	<.05	1	<.5
MC-R166	2.2	20.1	3.8	10	.9	3.4	1.9	18	2.30	1035.2	.3	1280.6	1.2	76	<.1	22.2	<.1	21	.07	.073	13	18.4	.05	111	.004	4	.32	.014	.36	<.1	.40	2.8	.2	.53	1	3.4
MC-R167	44.5	22.5	2.3	8	10.9	4.5	2.1	72	.89	92.4	<.1	2778.3	.1	7	<.1	1.4	<.1	16	.04	.009	1	14.4	.02	23	.002	<1	.13	.003	.03	.3	.24	.7	.5	.08	<1	.7
MC-R168	15.3	92.8	5.6	27	19.0	6.4	1.9	101	.64	29.6	<.1	343.0	<.1	7	1.1	10.7	<.1	7	.46	.003	1	21.8	.07	19	.001	1	.11	.007	.02	1.2	2.06	.4	<.1	<.05	<1	<.5
RE MC-R168	15.9	94.4	5.4	25	19.9	6.0	1.9	103	.64	29.1	<.1	324.6	<.1	7	1.1	10.5	<.1	7	.47	.003	<1	23.6	.07	19	.001	1	.12	.008	.02	1.2	2.14	.4	.1	.07	<1	<.5
MC-R169	7.5	57.0	3.7	10	1.7	7.8	4.6	105	1.17	70.6	.1	356.7	.1	18	.1	4.0	<.1	22	.03	.008	1	25.1	.01	77	.001	<1	.13	.001	.03	.3	2.15	1.1	<.1	.12	<1	.6
MC-R170	1.7	12.6	2.0	20	1.4	9.0	3.4	334	1.25	34.2	.1	1190.7	.1	6	.1	.9	<.1	26	.06	.019	1	28.1	.04	29	.002	<1	.12	.002	.03	2.4	.14	.9	<.1	.12	<1	<.5
MC-R171	2.9	52.7	1.6	13	1.9	5.8	2.5	156	.81	38.4	<.1	267.1	.1	5	.1	3.5	<.1	22	.03	.005	1	13.1	.03	37	.001	2	.11	.003	.03	.2	3.07	1.6	.1	.08	<1	<.5
MC-R172	3.5	75.6	2.2	17	3.4	10.5	4.1	181	1.22	89.3	.1	244.4	.1	22	.1	5.5	<.1	27	.21	.005	1	38.5	.06	120	.001	2	.17	.002	.03	2.1	2.78	2.1	<.1	.09	1	<.5
MC-R173	1.9	49.8	3.9	17	15.2	8.9	3.3	148	1.07	20.5	<.1	653.8	<.1	21	.5	3.5	<.1	14	.05	.007	1	23.6	.02	46	.001	<1	.14	.003	.02	.2	2.72	1.3	<.1	.06	<1	<.5
MC-R174	.8	42.8	4.3	55	.4	30.2	21.8	925	3.79	92.5	.2	85.6	.9	95	.1	.9	.1	82	4.97	.061	8	37.7	2.11	39	.001	7	.57	.007	.07	.3	.34	7.3	.1	.71	1	1.1
MC-R175	11.3	141.1	4.2	35	5.3	15.2	6.4	204	1.76	40.2	.3	802.9	.1	17	.2	15.1	<.1	32	.14	.012	2	16.5	.09	33	.001	<1	.26	.002	.07	.1	12.12	1.9	<.1	.12	1	<.5
MC-R176	5.4	15.6	2.8	13	6.6	5.7	3.1	263	.86	106.3	.1	956.2	.2	23	.6	1.0	<.1	11	1.12	.012	3	20.8	.06	31	.001	1	.36	.004	.05	.8	.24	.8	<.1	<.05	1	<.5
MC-R177	1.9	5.2	1.4	8	.2	5.3	3.6	415	.89	181.7	<.1	225.0	.2	43	.1	1.1	<.1	6	2.69	.018	2	13.4	.03	50	.001	1	.17	.001	.04	.1	.18	.7	<.1	<.05	1	<.5
MC-R178	1.0	3.0	.6	6	.1	3.7	1.5	870	.45	85.2	<.1	253.5	.1	167	<.1	.3	<.1	3	9.63	.007	1	14.1	.03	28	.001	<1	.08	.001	.01	1.1	.02	.5	<.1	<.05	<1	<.5
MC-R179	.5	23.1	.7	8	.1	6.2	2.3	75	.85	6.0	.1	2.1	.6	51	<.1	1.8	<.1	21	.11	.027	3	17.4	.01	1521	.008	1	.40	.002	.01	.1	1.51	1.2	<.1	<.05	1	<.5
MC-R180	11.0	12.5	3.0	35	.1	30.3	21.6	1005	3.59	6.2	.2	10.9	.9	37	<.1	.2	.5	68	3.80	.077	11	40.5	.60	86	.002	2	.50	.016	.06	.5	.10	6.5	<.1	1.28	2	2.8
MC-R181	1.3	15.7	.6	5	.8	3.7	1.3	49	.61	3.4	<.1	970.2	<.1	25	.1	.6	<.1	3	.38	.003	<1	11.1	.01	37	.001	<1	.07	.007	.01	.1	.04	.5	<.1	<.05	<1	<.5
MC-R182	.9	19.1	4.0	83	.2	46.9	21.1	913	4.17	7.3	.3	4.0	.6	56	.1	.7	<.1	102	3.11	.032	3	40.3	.14	56	.002	1	.70	.001	.01	.2	.46	9.4	<.1	<.05	2	<.5
MC-R183	7.4	8.9	2.0	7	4.9	3.4	1.2	52	.82	56.1	<.1	7916.4	.1	4	.1	.8	<.1	8	.05	.010	1	15.5	.03	17	.001	1	.13	.001	.05	.2	.06	.5	.1	<.05	1	<.5
MC-R184	2.4	25.5	2.2	5	4.0	3.1	.5	33	.43	9.5	<.1	37.8	<.1	5	.1	7.7	<.1	3	.04	.003	<1	23.6	.01	3	<.001	<1	.06	.010	.01	1.7	2.91	.3	<.1	<.05	<1	<.5
MC-R185	.7	4.1	.6	4	<.1	4.9	1.7	855	.64	1.6	.3	16.1	.1	25	.2	.1	<.1	8	1.34	.025	2	7.7	.13	612	.002	<1	.18	.003	.03	.1	.05	.6	<.1	<.05	1	<.5
STANDARD DS5	12.6	141.0	24.4	138	.3	24.3	11.8	792	3.01	17.4	5.9	41.4	2.7	44	5.1	3.8	5.7	60	.75	.087	12	185.8	.68	132	.101	17	1.99	.034	.14	5.1	.17	3.5	1.0	<.05	6	4.8

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data We FA ____ DATE RECEIVED: AUG 16 2004 DATE REPORT MAILED: Sept. 2/04

Assay recommend for Au > 1000 ppb

BRITISH COLUMBIA CERTIFIED ASSAYER Clarence Leong

ACME AL TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. File # A404600

1103 - 750 W. Pender St., Vancouver BC V6C 2T8

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.5	3.8	2.3	46	<.1	5.1	4.3	596	1.90	1.1	1.8	.5	3.6	78	<.1	<.1	.1	41	.53	.075	8	51.1	.58	243	.112	1	.95	.069	.48	1.5	<.01	2.0	.3	<.05	5	<.5
MC-126-5	.5	28.4	4.3	54	.1	38.5	14.1	624	3.31	2.9	.8	1.9	1.4	117	.1	.3	.1	96	1.08	.067	13	58.6	1.10	125	.121	4	1.94	.071	.09	<.1	.08	7.1	<.1	<.05	6	.5
MC-126-6	.4	26.9	4.1	53	.1	38.0	14.1	534	3.10	2.3	.8	.8	1.4	116	.1	.2	<.1	83	1.11	.057	12	57.4	1.06	125	.120	3	1.86	.073	.09	<.1	.06	6.6	<.1	<.05	6	.5
MC-262	.3	23.6	3.7	48	.1	28.8	11.4	622	2.39	2.9	1.8	2.1	.9	98	<.1	.6	<.1	98	1.25	.050	9	46.7	.89	65	.130	2	1.57	.066	.05	<.1	.03	5.2	<.1	<.05	5	.8
MC-263	.4	18.6	3.4	44	<.1	26.2	12.1	693	3.04	6.9	.7	5.3	.9	99	<.1	.4	.1	99	1.09	.065	8	42.1	.84	68	.127	2	1.61	.072	.06	<.1	.03	5.5	<.1	<.05	5	<.5
MC-264	.4	22.3	3.8	52	<.1	31.3	13.3	670	3.19	3.7	.8	1.1	1.0	107	.1	.5	<.1	96	1.01	.045	7	51.2	1.03	80	.137	3	1.66	.067	.08	<.1	.12	5.8	<.1	<.05	5	.5
MC-265	.3	20.6	3.7	50	<.1	30.5	12.7	522	2.96	4.2	1.0	3.6	1.0	124	.1	.8	<.1	89	.87	.044	8	55.1	1.04	92	.133	2	1.63	.060	.09	<.1	.05	6.1	<.1	<.05	6	<.5
MC-266	.4	26.7	3.5	53	.2	35.4	13.8	699	2.99	2.0	.7	203.2	1.4	120	.1	.2	<.1	99	1.23	.069	12	48.8	1.00	69	.116	4	1.74	.076	.07	<.1	.07	6.4	<.1	<.05	5	<.5
RE MC-266	.5	26.7	3.6	54	.1	34.6	14.3	673	2.99	2.4	.8	.7	1.4	125	.1	.2	<.1	104	1.19	.076	12	48.8	1.02	68	.137	4	1.82	.083	.07	<.1	.06	6.1	<.1	<.05	6	<.5
MC-267	.5	27.5	3.7	57	.1	34.6	14.1	637	3.30	2.1	.7	4.2	1.3	139	.1	.2	<.1	119	1.27	.073	12	58.6	.96	73	.151	4	1.74	.083	.08	<.1	.08	6.6	<.1	<.05	5	<.5
MC-268	.3	20.2	3.8	50	<.1	30.5	12.9	691	3.32	5.0	.5	.5	.9	91	.1	.4	<.1	107	1.08	.040	7	46.0	.96	74	.146	2	1.78	.070	.07	<.1	.02	6.1	<.1	<.05	5	<.5
MC-269	.3	22.0	3.7	50	<.1	33.5	13.6	663	3.06	3.0	.9	.8	1.0	120	.1	.6	<.1	92	.97	.040	7	55.0	1.12	86	.155	2	1.79	.079	.10	<.1	.03	6.4	<.1	<.05	6	<.5
STANDARD	12.3	143.3	25.8	135	.3	25.5	11.7	772	2.87	18.0	6.2	43.5	2.9	51	5.3	3.8	6.0	62	.77	.087	14	187.1	.68	137	.097	18	2.15	.034	.15	4.7	.17	3.5	1.1	<.05	7	5.2

Standard is STANDARD DS5.

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: S.SED. SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

DATE RECEIVED: AUG 16 2004 DATE REPORT MAILED: Aug 31/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. File # A404601

1103 - 750 W. Pender St., Vancouver BC V6C 2T8

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.5	2.4	2.3	47	<.1	5.1	4.5	619	1.97	<.5	1.9	<.5	4.2	86	<.1	<.1	.1	42	.63	.077	8	51.7	.59	257	.126	<1	1.00	.080	.55	.8	<.01	2.3	.4	<.05	5	<.5
MC-S93	.4	30.7	2.7	44	<.1	27.9	12.5	251	3.39	1.6	.5	<.5	2.7	62	<.1	.1	.1	72	.67	.101	19	23.8	1.38	193	.003	<1	3.47	.015	.14	<.1	.51	6.7	<.1	<.05	9	<.5
MC-S94	.4	42.7	4.0	91	<.1	76.8	20.8	584	3.93	9.5	1.0	<.5	3.1	84	.1	<.1	<.1	118	.90	.142	26	70.4	.63	138	.043	<1	4.02	.043	.07	<.1	.02	15.5	<.1	<.05	10	<.5
MC-S95	.6	34.8	5.5	81	.1	45.0	17.4	661	4.37	5.6	.7	3.1	1.6	64	.2	.2	.1	100	1.03	.085	31	55.9	.55	164	.075	6	2.10	.016	.10	.1	.05	12.8	<.1	<.05	7	<.5
MC-S96	.7	28.1	3.8	144	<.1	67.1	13.8	543	3.85	14.0	.4	<.5	1.1	53	.1	11.6	<.1	133	.45	.097	7	72.8	.22	113	.104	4	1.42	.017	.10	<.1	.07	14.2	<.1	<.05	5	<.5
STANDARD	12.3	143.3	25.8	135	.3	25.5	11.7	772	2.87	18.0	6.2	43.5	2.9	51	5.3	3.8	6.0	62	.77	.087	14	187.1	.68	137	.097	18	2.15	.034	.15	4.7	.17	3.5	1.1	<.05	7	5.2

Standard is STANDARD DS5.

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: SOIL SS80 60C

Data WL FA ____ **DATE RECEIVED:** AUG 16 2004 **DATE REPORT MAILED:** Aug. 30/04

BRITISH COLUMBIA CERTIFIED ASSAYER

Clarence Leong

ACME AN ICAL LABORATORIES LTD. 852 E. HASTINGS ST. OUVER BC V6A 1R6 PHONE(604)253-3158 FAX(60 3-1716
(ISO .002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-4 File # A405305

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.1	.4	.4	<1	<.1	.2	<.1	1	.02	.5	<.1	<.5	<.1	2	<.1	<.1	<.1	<1	.07	.001	<1	1.3	<.01	3	<.001	2	.01	.323	<.01	<.1	.01	.1	<.1	.06	<1	<.5
MC-R199	.8	58.0	45.8	72	<.1	2.1	2.3	3572	1.07	1.6	.3	<.5	.7	247	1.2	.1	.1	15	12.58	.021	9	1.8	.23	2022	.001	2	.17	.015	.06	.4	<.01	1.6	<.1	.14	1	.6
MC-R200	1.1	7.6	1.8	21	.2	4.2	2.2	226	.66	150.3	<.1	498.7	.1	11	<.1	1.2	<.1	9	.61	.009	2	6.9	.05	21	.003	<1	.17	.005	.01	.1	.12	.7	<.1	.19	<1	<.5
MC-R201	9.2	7.4	1.6	14	.7	8.4	3.4	137	.96	158.9	.1	410.1	.3	6	<.1	1.1	<.1	25	.11	.020	4	9.3	.02	49	.001	1	.22	.002	.02	<.1	.08	1.4	<.1	.18	1	.8
MC-R202	3.5	4.8	.6	5	2.2	5.2	2.2	231	.58	62.1	<.1	2148.8	.1	8	.1	1.0	<.1	9	.05	.012	2	17.5	.02	31	.002	1	.13	.002	.03	.2	.14	.6	.1	.10	1	.7
MC-R203	2.3	9.2	2.1	13	.4	10.8	6.2	617	1.50	243.0	.1	574.3	.3	80	.1	.6	<.1	16	5.08	.027	5	4.9	.26	369	.001	1	.19	.003	.03	<.1	.04	1.4	<.1	.35	1	.5
MC-R204	2.2	4.3	.9	8	.1	6.8	3.1	245	.77	91.1	.1	309.3	.2	20	<.1	.3	<.1	8	.45	.015	4	15.8	.06	998	.003	<1	.17	.002	.01	.2	.02	.7	<.1	.13	<1	<.5
MC-R205	1.9	3.7	.7	6	.4	4.4	2.0	287	.59	101.5	<.1	789.3	.1	15	<.1	1.0	<.1	8	.80	.013	2	5.9	.09	56	.002	1	.12	.002	.02	<.1	.10	.5	<.1	.11	<1	<.5
MC-R206	.6	3.0	.6	6	.1	6.9	3.1	953	.65	64.9	.1	63.0	.2	30	.1	.5	<.1	11	1.42	.013	4	13.1	.09	105	.009	<1	.28	.005	.03	.2	.03	1.1	<.1	.09	1	<.5
MC-R207	12.3	8.1	1.1	9	1.4	6.1	2.8	1055	.84	63.6	.1	2092.9	.1	12	.2	.9	<.1	19	.14	.017	3	8.4	.10	54	.005	1	.26	.006	.04	<.1	.08	1.4	.2	.06	1	.6
MC-R208	1.2	18.9	3.0	31	1.4	22.5	9.4	844	2.52	13.3	.2	17.3	.7	28	.1	.6	<.1	42	1.02	.068	15	30.5	.24	89	.002	2	.33	.001	.03	<.1	.02	4.2	<.1	<.05	1	.5
MC-R209	3.9	5.2	.3	4	.1	5.4	1.2	317	.61	5.9	<.1	311.0	<.1	11	<.1	.3	<.1	4	1.34	.004	1	39.5	.03	349	.005	3	.10	.008	.01	.8	.06	.4	<.1	<.05	<1	<.5
MC-R210	.8	5.6	.6	4	1.2	4.6	2.2	240	1.28	70.4	<.1	3073.4	.1	5	<.1	.7	<.1	10	.17	.008	2	7.7	.02	19	.002	1	.13	.005	.02	<.1	.05	.6	<.1	.11	1	.5
MC-R211	.3	15.4	1.4	101	<.1	101.5	42.8	1779	4.60	6.5	.2	1.3	.5	108	.3	4.7	<.1	96	9.84	.048	7	58.7	3.11	1421	.027	3	.62	.005	<.01	<.1	.73	8.2	<.1	<.05	2	.5
MC-R212	.5	151.0	3.0	58	.3	25.3	5.3	105	4.17	14.8	.2	25.2	.2	62	<.1	6.7	.1	163	.04	.035	1	38.2	.02	1563	.003	5	.91	.001	.04	<.1	3.80	8.3	<.1	.08	2	1.4
RE MC-R212	.7	147.1	2.5	55	.3	24.5	5.2	95	4.06	14.4	.1	39.9	.2	59	<.1	6.4	.1	159	.04	.032	1	38.4	.01	1500	.003	1	.85	.001	.04	<.1	3.51	8.6	<.1	.11	2	1.3
MC-R213	.5	282.7	2.1	94	.8	64.7	20.6	521	5.76	34.3	.3	29.9	.2	49	.1	8.7	.1	194	.04	.018	1	30.5	.02	772	.003	3	.74	.001	.03	<.1	.76	15.2	<.1	<.05	2	.7
MC-R214	.3	48.8	2.2	33	.2	24.2	6.2	151	2.21	27.2	.2	88.8	.2	155	<.1	5.8	<.1	48	.04	.028	1	26.0	.01	1688	.003	3	.78	.001	.02	<.1	.34	4.6	<.1	<.05	2	<.5
STANDARD DS5	12.3	147.1	25.1	136	.3	24.4	11.9	786	3.03	17.8	5.8	42.2	2.6	47	5.4	3.5	5.8	61	.76	.088	12	187.1	.68	135	.098	17	2.04	.035	.14	4.9	.17	3.4	1.1	<.05	6	5.2

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA ____ DATE RECEIVED: SEP 9 2004 DATE REPORT MAILED: Sep 24/2004

BRITISH COLUMBIA CERTIFIED ASSAYER Jacky Wang

ACME AL TICAL LABORATORIES LTD. 852 E. HASTINGS ST. COUVER BC V6A 1R6 PHONE(604)253-3158 FAX(6(53-1716
(Is. 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-4 File # A405306

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.1	2.3	1.9	44	<.1	5.2	4.0	559	1.87	<.5	1.8	.7	3.9	74	<.1	<.1	.1	39	.50	.083	7	43.3	.61	251	.117	<1	.89	.066	.51	.3	<.01	2.2	.3	<.05	5	<.5
MC-S109	.7	31.9	2.6	55	<.1	33.0	13.6	481	3.69	3.2	.3	2.3	1.4	60	<.1	.1	<.1	88	.64	.084	24	44.9	.51	61	.010	6	1.51	.008	.03	<.1	.23	9.5	<.1	<.05	5	<.5
MC-S110	.5	24.1	4.2	174	<.1	86.2	13.5	430	4.51	10.5	.2	1.2	.8	49	.1	12.3	<.1	159	.37	.089	5	71.9	.21	262	.093	2	1.37	.014	.09	.1	.04	12.6	<.1	<.05	5	<.5
MC-S111	.5	9.3	3.8	189	.1	30.3	6.1	452	1.86	4.2	.2	.7	.7	37	.1	4.5	<.1	46	.23	.102	3	29.0	.18	323	.081	1	1.26	.017	.08	.1	.02	2.7	<.1	<.05	5	<.5
MC-S112	.6	34.3	6.6	143	.5	17.4	4.0	865	1.62	4.5	.2	3.4	.8	33	.1	1.6	.1	46	.22	.141	3	16.1	.15	821	.075	2	1.14	.016	.04	.1	.08	1.9	.1	<.05	5	<.5
MC-S113	.5	26.6	5.6	170	.3	17.9	4.1	739	1.39	9.7	.2	4.2	.7	49	.1	1.4	.1	35	.26	.113	3	12.4	.13	529	.064	<1	1.03	.018	.06	<.1	.11	1.3	.1	<.05	4	<.5
MC-S114	.8	137.2	4.8	173	.6	33.9	16.4	2324	2.52	30.7	.3	9.8	.4	95	.3	5.2	.2	88	.85	.162	4	23.6	.15	1256	.047	2	1.06	.008	.07	.1	.20	5.7	.1	.06	4	.5
MC-S115	.6	65.7	7.3	288	.7	23.9	14.7	2128	1.93	8.7	.3	3.2	.6	59	.4	3.1	.1	41	.43	.436	3	18.9	.13	1169	.055	<1	1.24	.012	.05	<.1	.18	2.8	.1	<.05	5	<.5
MC-S116	1.2	144.3	8.8	231	1.1	21.3	18.6	4205	1.98	27.1	.3	17.5	.2	83	.6	7.3	.1	48	.61	.271	4	17.4	.12	1391	.034	2	.91	.008	.07	.1	.85	2.6	.1	.07	4	1.3
STANDARD	13.1	146.4	25.7	142	.3	23.0	11.8	787	3.08	18.5	6.3	44.3	2.9	50	5.6	4.0	5.9	62	.72	.095	13	190.0	.69	137	.097	19	1.98	.034	.15	5.1	.17	3.4	1.0	<.05	7	4.9

Standard is STANDARD DS5.

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.

- SAMPLE TYPE: SOIL SS80 60C

Data A FA ____ DATE RECEIVED: SEP 9 2004 DATE REPORT MAILED: Sept 24/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-4 File # A405307

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1 ✓	1.3	2.6	2.0	45	<.1	4.4	4.6	586	2.04	.6	1.8	<.5	4.0	81	<.1	.1	.2	46	.54	.084	8	50.3	.62	267	.121	1	.94	.066	.55	.4	<.01	2.3	.4	<.05	6	<.5	30.0
MC243-1 ✓	.5	28.0	4.3	59	<.1	40.5	15.1	600	3.32	2.8	.6	.9	1.4	134	.1	.1	.1	111	1.09	.079	12	61.1	1.07	82	.141	1	1.77	.074	.09	.1	.03	6.2	<.1	<.05	5	.6	30.0 ✓
MC243-2	.5	32.0	3.1	66	<.1	55.7	15.2	450	2.99	1.2	.3	.6	.9	105	.1	<.1	<.1	108	.70	.089	11	121.9	1.16	53	.103	<1	1.17	.077	.05	<.1	.01	3.5	<.1	<.05	5	<.5	30.0
MC243-3	.5	36.6	4.3	48	.1	38.3	14.0	588	3.26	2.4	1.2	.5	1.2	133	.1	.1	.1	97	1.27	.056	13	51.6	1.08	79	.134	6	2.33	.066	.07	.1	.10	7.3	<.1	<.05	7	.5	15.0
MC243-4	.5	29.7	4.0	59	.1	39.9	16.0	679	3.41	4.0	.8	.9	1.5	125	.1	.1	.1	98	1.09	.084	15	55.7	1.12	117	.106	2	1.94	.057	.09	<.1	.06	7.7	<.1	<.05	6	<.5	30.0
MC243-5	.7	35.3	4.3	60	.1	44.0	17.4	737	3.46	2.3	.6	1.6	1.8	207	.1	.2	.1	99	1.43	.079	14	44.9	1.31	92	.176	2	2.33	.072	.11	.1	.09	7.7	<.1	<.05	7	<.5	15.0
MC243-6	.4	28.9	3.9	54	.1	43.9	16.0	645	3.22	4.3	1.1	.7	1.9	87	<.1	.1	<.1	92	.92	.082	15	56.2	1.18	101	.066	2	1.90	.047	.07	.1	.06	7.8	<.1	<.05	6	.8	30.0
MC243-7	.5	28.3	4.2	59	.1	47.3	15.9	768	3.26	4.4	.7	.7	1.4	132	.1	.2	<.1	91	1.19	.093	15	50.8	1.16	132	.101	4	2.11	.058	.09	.1	.08	7.2	<.1	<.05	6	.7	15.0
MC243-8	.4	36.7	5.3	63	.1	47.8	17.6	641	3.33	4.2	5.3	.9	1.6	115	.2	.1	.1	104	.97	.079	18	66.2	1.20	96	.091	2	2.48	.051	.09	<.1	.35	8.2	.1	<.05	7	1.2	15.0
MC243-9	.4	27.0	4.0	61	.1	46.0	16.3	746	3.27	3.4	1.5	1.1	1.3	113	.1	.1	<.1	88	.98	.077	13	47.6	1.30	89	.120	<1	2.24	.059	.11	.1	.04	7.1	<.1	<.05	6	<.5	30.0
MC243-10	.5	28.4	4.2	64	.1	51.6	17.2	751	3.57	3.7	1.2	.5	1.5	124	.1	.1	<.1	91	1.08	.081	14	50.0	1.42	92	.128	2	2.50	.061	.12	<.1	.21	8.0	<.1	<.05	7	.5	15.0
RE MC243-10	.3	26.6	3.9	63	.1	48.7	16.9	710	3.38	3.8	1.1	44.3	1.5	118	.2	.1	<.1	88	1.03	.074	13	47.5	1.36	93	.120	2	2.27	.060	.12	<.1	.04	7.7	<.1	<.05	7	.5	15.0
MC243-11	.5	31.9	4.1	56	.1	44.9	15.7	738	3.63	3.8	.9	1.4	1.4	142	.1	.2	<.1	118	1.03	.066	16	59.6	1.06	105	.142	<1	2.37	.061	.06	.1	.04	7.9	<.1	<.05	7	<.5	30.0
STANDARD DS5	13.1	146.4	25.7	142	.3	23.0	11.8	787	3.08	18.5	6.3	44.3	2.9	50	5.6	4.0	5.9	62	.72	.095	13	190.0	.69	137	.097	19	1.98	.034	.15	5.1	.17	3.4	1.0	<.05	7	4.9	30.0

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: STREAM SED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ____ **DATE RECEIVED:** SEP 9 2004 **DATE REPORT MAILED:** Sept. 24/04

BRITISH COLUMBIA CERTIFIED ASSAYER
C.L
Clarence Leong

APPENDIX B

MERIT AREA **Post-Staking** RECON SAMPLE SUMMARY TABLE
& ACME ANALYTICAL GEOCHEMICAL and ASSAY CERTIFICATES

MERIT PROPERTY AREA Post-Staking (2004-2005) RECONNAISSANCE SAMPLE SUMMARY

Sample Number	Easting NAD 83	Northing NAD 83	Mo ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppm	Au ppb	Cu ppm	Rock Type	Notes
Rock Samples														
MC-R215	637048	5552196	0.4	2.4	51	-0.1	10	0.4	46	-0.01	-0.5	23.4	Carb-altd dk purply brn to gy-blk AV/BV.	Wht & semi-clear comb text QZ-microbx hostrock fgmnts in veins.
MC-R216	637858	5554354	16.6	1.8	12	1.5	143.7	1.4	15	0.07	151.2	33.3	Angular QV/BX rubble.	Chips across 24cm (tw) bldr. Base of large talus slope.
MC-R217	637854	5554328	15	1.3	14	1.3	80.4	1.7	20	0.04	718	24.4	Angular QV/BX rubble.	Chips across 4/20-34cm.(tw) bldrs. Base of large talus slope.
MC-R218	637836	5554324	19.8	2.4	11	2	92.6	4.3	37	0.35	1721.1	77.1	Angular QV/BX rubble.	Chips across 30cm (tw) bldr. Base of large talus slope.
MC-R219	637826	5554322	9.3	4.8	30	1	19.7	0.9	24	0.04	31	11.4	Angular QV/BX rubble.	Chips from numerous pieces.
MC-R220	637721	5554112	1	3	39	1	4	0.1	69	0.01	5.7	10	Angular QV/BX rubble.	In part hematitic.
MC-R225	637593	5553762	3.9	15.9	33	54.4	39.5	1.8	48	0.1	1452.7	22.5	Totally silica flooded (replaced) AV	Taken over ~6m of fall line
MC-R226	637899	5555020	4.6	0.5	16	0.1	0.9	0.1	18	0.07	3.2	4.4	Lt grn-gy to tan rhyolitic (?) rock	Float in till w/ cobbles of various compositions.
MC-R227	636953	5552015	1.3	2.4	57	0.3	54.8	12.5	516	2.04	13.3	134.8	Silic AV, very hematitic.	1.25m (tw) continuous sample in sc, N end Discovery Hill.
MC-R228	636386	5551935	1.3	1.1	6	0.2	174.6	0.4	39	0.03	439.8	4.6	Coarse massive CC.	~25cm chip across one end of 20x30x43cm bldr
MC-R229	636396	5551935	2.7	1.3	7	0.2	194.2	1.7	41	0.08	275.1	5.7	Subang to submd QZ & QZ-CC float	~10m SE & 10m N of MC-R228.
MC-R230	636434	5553922	1.2	3.5	16	0.8	103.6	3.1	109	1.46	67.9	93.2	Dk rusty orng-brn alt'd AV.	Subang float ~8x16x30cm.
MC-R242	636174	5554030	8.6	3.1	30	2.9	60.9	9	245	2.29	121.9	102.7	Dk rusty-orng silic AV + gy-wht QV.	Random chips over 0.6m.
MC-R243	636251	5554292	8.1	5	43	29.9	14.3	2.2	550	3.67	880.6	31.2	Rusty orng frac msv chalced QV material- locally wht.	From 2 sites 5m apart
MC-R244	636526	5553797	3	2.4	12	2.2	501.8	10.3	1191	2.26	883.8	144	90% QV; vfgr chalced QZ- white, tan, lt-dk gy	Ang piece 7.5x11x15cm
MC-R245	636909	5553368	5.5	2.7	8	0.5	235.1	6.1	84	0.17	243.4	8.4	90% QV; vfgr chalced QZ - white, tan, lt-dk gy	Float fragment 8x12x18cm
MC-R246	635684	5555998	0.3	0.3	8	-0.1	13.3	1.1	592	0.21	4.8	3.2	Altered AV/BV.	Dk rusty-orng weathering. Old spur rdcut near MC-S48.
MC-R247	635732	5555923	12	32.3	146	0.3	24	3.3	170	0.27	48.2	122	QV mtrl; msv white w/ lt gy patches & vaguely banded.	3 subang pcs largest 7x7.5x12cm.
MC-R248	636420	5553954	2.6	2.2	12	0.8	896.4	2.8	263	0.82	888.6	47	QV float - lt gy massive chalcedony.	Ang piece 6.5x10x17cm.
MC-R249	636253	5554109	0.8	1.6	18	0.2	299	3.6	979	3	14	25.9	QZ float - white, tan massive chalcedony.	Chips from several ang pcs - to 12x15x25cm.
MC-R250	636461	5553910	0.3	0.2	2	0.4	115.3	0.4	9	0.06	1330.6	1.2	QV float, 1 piece, mass vfgr white	Single ang piece 6.5x8x10cm.
MC-R251	636533	5553877	0.8	1.8	54	0.6	209.7	2.3	520	0.44	6	135.1	Dk rusty orange strongly CB alt'd AV	QZ-CB stringers; ang float 12x23x23cm.
MC-R252	636191	5554085	4.2	4.9	14	1.9	64.8	9	124	1.45	27.2	38.1	QV chips, mass white semi-chalcedonic QZ	Ang rubble, largest piece 6.5x6.5x10cm.
MC-R255	636368	5553872	1.1	0.7	7	0.4	57.2	0.5	10	0.05	717.6	5.1	QV, mass chalcedonic QZ, abundant inclusions AK	FeO/MnO in drusy cavities
MC-R271	637848	5554446	2.5	4.7	47	1.4	27.3	1.2	19	0.08	24.9	50.5	AV, altered, orange red, QZ as blebs and quasi vns	Taken from small, old pit?
MC-R272	637843	5554440	5.8	1.6	15	1.2	34	1.1	42	0.03	1010.1	11.4	QV?, highly sil - 85 - 90% QZ, rusty orange brn	From 2m stretch of rubble.
MC-R273	637840	5554436	1.6	2.4	66	0.5	27.5	2	70	0.06	496.3	19.4	VB, leached, +/- Sl rims on clasts	Matrix locally porphyritic.
MC-R274	637835	5554427	3.7	1.8	49	1.1	77.7	0.9	62	0.1	630.4	22.9	QV, 2.5cm wide, in silicic bx, chalcedony clasts	Rusty brown coatings.
MC-R275	637828	5554417	6.7	3.2	32	1.7	95.3	1.7	49	0.08	1195.5	22	Narrow QV in Sl/AK chips	Occnl vns have comb texture
MC-R276	637819	5554405	9.8	1.8	18	6.2	52.3	2.8	19	0.03	5180.4	19.5	QV, angular pieces. S/C?	
MC-R277	637857	5554422	0.2	1.5	86	0.2	5.6	0.8	6	0.05	31.5	10.7	Sl/AK, yellow orange, vfgr-fgr, 80-100%Sl	
MC-R278	637733	5554192	6.6	4.9	28	3.5	20.2	1.2	72	0.09	31.2	23.3	VB?, earthy ferruginous patches	Minor red coatings on frx.
MC-R279	637655	5553980	0.4	2	33	0.7	18.2	1.1	63	0.18	13.3	15.5	QV fragments amid blocks of dk grn mildly VV	Some blocks have AK +/- Sl, cut by dilational QV
MC-R280	637764	5554227	1	3	46	3.4	14.1	2.8	60	0.44	15.3	40.6	Sl/AK alt AV?, w/ lgrge QZ frags	One float block.
MC-R281	637606	5554089	1.1	0.7	10	0.6	5.1	0.3	18	0.03	3	10.1	QZ float, white, w/ Sl/AK altered AV	3X3X3cm to 3x5x8cm fragments
MC-R282	637661	5553926	0.1	1.9	73	0.1	7.4	0.8	537	0.07	0.9	9.9	Sl/AK altered AV, or-brn	Immediately uphill from ML1 575S, 40 ppb Au
MC-R283	637814	5554462	27.1	3.2	9	2.2	109.4	0.6	27	0.04	724.5	4.8	QV in Sl/AK, several // 1-1.5cm, minor comb texture	Float block 15x15x18cm
MC-R284	637799	5554300	4.8	2.4	40	4.8	32.7	2.3	45	0.07	69	13.4	Sl/AK bx w/ QZ clasts, rusty or & red-brn	15cm chip + grab.
MC-R285	637785	5554257	1.1	2.8	29	0.7	20.4	0.5	150	0.09	6.1	12.8	AV, Sl/AK, QZ stringers to QZ matrix - bx?	
MC-R293	637627	5553929	0.2	9.4	60	54.4	12.1	1	129	1.65	219.3	108.9	QV/BX rubble, QZ clasts in Sl/AK matrix	Chips/comp grab from several blocks
MC-R299	637577	5551130	1	0.7	21	0.9	191.3	2.2	115	0.22	1014.5	95.4	Chalcedonic QZ	One piece, 8x15x17cm
MC-R300	637572	5551143	4.5	2.1	6	3.3	56.6	0.7	18	0.11	1509.4	11	Chalcedonic QZ	Composite of 8 QV float fragments
MC-R326	637792	5554399	28.7	3.1	16	3.9	209.9	1.6	138	0.03	841.2	11.2	AV, Sl/AK, QZ stringers to 4cm wide	QZ rubble over ~10m.
Soil Samples														
MC-S120	637518	5553492	0.5	3.9	46	0.1	2.6	0.2	107	0.05	2.3	22.4	Dk brn clayey B soil	Forest & O/B covered area along 201deg proj of zone trend
MC-S121	637451	5553272	0.4	3.8	83	-0.1	5.8	0.1	98	0.01	-0.5	18.2	Dk brn to slightly red-brn B soil	On gentle E facing slope to SW of O/C
MC-S122	637332	5552952	0.5	4	58	0.1	7.5	0.2	71	0.04	3.3	37.6	Orng-brn clayey-silt B soil	From 2 spots ~3m apart on shallow bank next to gully
MC-S123	637008	5552092	0.5	3.5	73	0.1	10.9	1.1	71	0.02	1.8	27.6	Dk brn clay-silt w/ rusty orng rk chips	Taken from 4 sites over 10m along line at 202deg
MC-S124	636953	5552012	1.1	4.5	143	0.6	28.4	9.8	362	0.25	17.1	51.5	Rusty orange soil from roots of blowdown	3m @ 330deg from MC-R227
MC-S125	636366	5554046	0.4	5.4	104	0.1	76.9	0.2	45	0.01	0.9	42.9	Dk red-brn clay-silt	20cm depth
MC-S126	636197	5554119	210	24.2	649	3.7	1739.7	221.5	514	8.15	780.8	2198.5	Rusty-orange soil	From above vein material
MC-S127	637656	5553962	1.7	10.6	206	2.8	36.9	2.6	349	0.77	106.4	72.1	B/C soil, rusty orange,	From two locns above MCR221
Stream Sediment Samples														
MC128-3	637096	5556626	0.3	3.4	52	-0.1	1	0.1	61	0.02	0.9	15.5	Dominantly AV/BV float pebbles.	0.5-0.8m sand/grvl base; gentle flow. Good fine sed grabs over 10-15m.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-1 File # A405683
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
SI	.1	.8	.1	1	<.1	.1	.1	5	.06	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	<1	.10	.001	<1	<1	<.01	3	.001	1	.01	.555	.01	<.1	<.01	.1	<.1	.09	<1	<.5	-
MC-R215	.4	23.4	2.4	51	<.1	19.1	15.7	1643	3.39	10.0	.3	<.5	.6	100	.2	.4	<.1	101	6.85	.065	8	19.4	2.11	46	.015	3	.42	.008	.04	<.1	<.01	7.2	<.1	.09	1	<.5	1.29
MC-R216	16.6	33.3	1.8	12	1.5	8.8	4.7	121	1.05	143.7	.1	151.2	<.1	25	.1	1.4	<.1	11	.36	.007	<1	11.0	.07	15	.001	1	.11	.004	.03	<.1	.07	.9	.1	.11	<1	<.5	1.37
MC-R217	15.0	24.4	1.3	14	1.3	7.8	3.1	125	.85	80.4	<.1	718.0	.1	21	.1	1.7	<.1	9	.72	.007	1	9.8	.15	20	.001	1	.12	.002	.02	<.1	.04	.8	.1	.09	<1	<.5	2.50
MC-R218	19.8	77.1	2.4	11	2.0	9.8	4.3	103	1.03	92.6	<.1	1721.1	.1	21	.1	4.3	<.1	10	.23	.006	<1	13.1	.03	37	.001	<1	.12	.001	.03	<.1	.35	.8	.1	.11	<1	<.5	1.24
MC-R219	9.3	11.4	4.8	30	1.0	14.0	5.1	180	1.41	19.7	<.1	31.0	.1	30	.2	.9	<.1	15	.64	.017	1	14.8	.07	24	.002	1	.20	.002	.02	<.1	.04	1.3	<.1	.11	<1	<.5	1.99
MC-R220	1.0	10.0	3.0	39	1.0	13.6	6.7	345	1.49	4.0	.1	5.7	.3	56	.2	.1	<.1	34	1.84	.037	6	19.4	.65	69	.001	3	.24	.003	.02	<.1	.01	2.8	<.1	.26	1	<.5	2.13
MC-R221	.5	22.6	9.4	62	74.8	28.1	9.9	746	2.41	7.8	.1	406.9	.1	63	1.6	.7	<.1	41	5.65	.015	3	10.8	2.03	125	.001	1	.25	.007	.01	<.1	1.53	2.4	<.1	.12	1	<.5	2.22
STANDARD DS5	12.3	152.0	24.5	139	.3	25.7	12.8	788	3.00	18.2	6.1	44.0	2.8	47	5.6	3.9	5.9	62	.76	.095	13	188.0	.69	137	.098	16	2.11	.034	.15	4.9	.18	3.6	1.0	<.05	7	5.4	-

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C

Data L FA ____ DATE RECEIVED: SEP 20 2004 DATE REPORT MAILED: Oct. 12/04..

BRITISH COLUMBIA CERTIFIED ASSAYER
C. L
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-2 File # A406821

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Baton

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
SI	<.1	3.5	.4	1	<.1	.1	.1	3	.04	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	<1	.10	.001	<1	<1	<.01	3	.001	1	.01	.400	.01	<.1	<.01	.1	<.1	<.05	<1	<.5	-
MC-R225	3.9	22.5	15.9	33	54.4	24.0	9.1	324	2.10	39.5	.1	1452.7	.2	43	.7	1.8	.1	33	1.48	.030	3	31.8	.53	48	.002	2	.34	.005	.02	1.0	.10	3.3	<.1	.09	1	<.5	2.06
MC-R226	4.6	4.4	.5	16	.1	2.0	15.2	188	1.98	.9	<.1	3.2	.2	9	<.1	.1	.1	14	.09	.050	1	6.0	.72	18	.002	1	.72	.037	.03	<.1	.07	3.4	<.1	.06	3	<.5	1.97
MC-R227	1.3	134.8	2.4	57	.3	33.7	9.7	234	2.52	54.8	.2	13.3	.1	72	<.1	12.5	.1	62	.03	.022	1	28.1	.02	516	.002	2	.44	.003	.04	.5	2.04	5.1	<.1	<.05	1	<.5	2.59
MC-R228	1.3	4.6	1.1	6	.2	5.1	2.9	778	.63	174.6	<.1	439.8	.1	155	<.1	.4	<.1	4	10.16	.009	2	8.5	.03	39	.001	<1	.11	.001	.02	<.1	.03	.5	<.1	.06	<1	<.5	1.31
MC-R229	2.7	5.7	1.3	7	.2	7.5	2.1	370	.70	194.2	<.1	275.1	.1	60	<.1	1.7	<.1	10	2.35	.012	1	30.3	.04	41	.002	1	.16	.002	.03	2.7	.08	.7	<.1	.06	1	<.5	.85
MC-R230	1.2	93.2	3.5	16	.8	11.4	7.1	105	1.43	103.6	.1	67.9	.2	25	<.1	3.1	.1	23	.11	.014	2	18.6	.02	109	.002	2	.30	.002	.04	<.1	1.46	1.2	<.1	<.05	1	<.5	2.03
MC-R231	2.2	27.0	2.3	27	.2	16.6	5.4	135	1.54	29.0	.2	14.7	.2	78	<.1	2.3	<.1	24	.10	.056	3	31.5	.02	1687	.002	2	.44	.001	.03	.8	1.96	2.6	<.1	.10	1	<.5	6.03
MC-R232	1.0	32.3	2.4	31	1.2	16.9	5.1	117	1.96	35.1	.3	44.9	.2	68	<.1	3.4	<.1	32	.05	.047	2	28.1	.02	1529	.002	1	.40	.001	.03	<.1	2.70	2.4	<.1	<.05	1	<.5	5.83
MC-R233	1.1	88.4	3.9	37	.8	21.4	8.0	105	2.64	54.5	.5	14.0	.3	62	<.1	5.5	<.1	42	.08	.071	3	38.7	.02	482	.003	2	.60	.001	.04	.3	3.68	3.7	<.1	.13	2	<.5	1.72
MC-R234	15.2	38.0	2.6	24	2.7	14.0	5.1	86	1.54	33.7	.4	218.2	.2	50	<.1	4.8	<.1	27	.06	.035	2	23.7	.02	627	.002	1	.33	.001	.03	<.1	9.01	2.3	<.1	.24	1	.5	1.53
MC-R235	1.3	13.2	1.7	50	.1	26.3	9.5	294	1.82	8.4	.2	5.1	.4	75	.1	.9	<.1	38	.22	.091	7	36.7	.04	1517	.003	3	.62	.004	.03	.5	2.01	4.3	<.1	<.05	2	<.5	2.00
MC-R236	1.8	40.8	1.5	26	1.6	14.0	5.4	155	1.23	16.7	.1	50.4	.1	44	.1	2.9	<.1	20	.08	.030	2	25.9	.02	886	.002	<1	.22	.001	.02	<.1	1.64	1.8	<.1	<.05	1	<.5	1.78
MC-R237	2.1	122.4	2.8	61	.3	38.1	15.5	382	3.23	49.7	.3	29.9	.3	37	.1	2.7	<.1	41	.13	.067	4	32.9	.05	414	.003	2	.53	.006	.07	.4	2.56	3.1	<.1	<.05	1	<.5	2.11
MC-R238	1.8	74.6	2.6	23	4.7	13.9	3.8	94	1.67	42.4	.1	221.2	.1	35	.1	10.2	<.1	19	.03	.038	1	26.3	.02	861	.002	2	.24	.001	.05	<.1	11.75	1.5	<.1	.06	1	<.5	2.90
MC-R239	1.8	57.5	3.0	73	.4	48.4	17.6	473	4.04	43.1	.3	17.8	.3	46	.2	2.1	<.1	62	.12	.078	4	39.6	.04	720	.003	2	.50	.002	.06	.5	1.67	4.1	<.1	<.05	1	<.5	1.35
MC-R240	8.0	73.1	3.9	21	.7	9.3	3.1	78	1.97	115.7	.2	124.0	.3	37	<.1	2.1	.1	18	.08	.024	3	21.6	.02	415	.001	1	.37	.001	.07	<.1	1.39	1.2	<.1	<.05	1	<.5	2.78
RE MC-R240	7.7	71.1	4.0	21	.7	9.0	3.2	72	1.92	114.0	.2	124.7	.3	33	<.1	2.1	.1	18	.08	.024	3	22.6	.02	411	.001	2	.33	.001	.07	<.1	1.36	1.2	<.1	<.05	1	<.5	-
MC-R241	8.5	169.2	3.9	16	12.9	9.4	3.4	96	1.41	255.7	.2	312.5	.2	21	.3	9.8	<.1	14	.15	.012	2	20.9	.04	501	.001	1	.23	.001	.07	1.1	3.41	1.2	<.1	.10	1	<.5	5.44
MC-R242	8.6	102.7	3.1	30	2.9	19.2	7.6	203	1.71	60.9	.3	121.9	.2	23	.2	9.0	<.1	29	.88	.010	3	22.2	.31	245	.001	1	.23	.002	.06	<.1	2.29	2.0	<.1	.14	1	<.5	1.58
MC-R243	8.1	31.2	5.0	43	29.9	8.1	2.4	180	.68	14.3	<.1	880.6	<.1	31	1.0	2.2	.1	9	.54	.008	<1	30.6	.22	550	.001	<1	.11	.001	.04	2.7	3.67	.8	<.1	.06	<1	<.5	1.64
MC-R244	3.0	144.0	2.4	12	2.2	5.8	2.7	101	1.01	501.8	.1	883.8	.1	45	.1	10.3	<.1	20	.05	.008	1	19.6	.01	1191	.001	<1	.11	.001	.02	<.1	2.26	1.6	<.1	.11	<1	<.5	1.38
MC-R245	5.5	8.4	2.7	8	.5	12.7	3.3	107	.77	235.1	.1	243.4	.3	11	<.1	6.1	<.1	10	.11	.016	3	29.2	.02	84	.001	2	.14	.001	.04	2.9	.17	.7	.4	<.05	1	<.5	1.65
STANDARD DS6	11.7	124.3	30.4	147	.2	25.4	10.9	680	2.87	22.0	6.7	44.7	2.8	39	5.9	3.5	4.8	55	.84	.071	14	186.5	.58	171	.078	16	1.82	.069	.15	3.5	.24	3.4	1.7	<.05	6	4.3	-

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ____ DATE RECEIVED: NOV 1 2004 DATE REPORT MAILED: Nov. 22/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-6 File # A406759
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
MC-R246	.3	3.2	.3	8	<.1	1.2	.7	1006	.44	13.3	<.1	4.8	<.1	103	<.1	1.1	<.1	4	5.71	.004	2	1.9	.08	592	<.001	1	.08	.002	.01	<.1	.21	.6	<.1	.19	<1	<.5
MC-R247	12.0	122.0	32.3	146	.3	27.0	11.0	711	2.87	24.0	7.0	48.2	3.3	43	6.4	3.3	5.4	60	.92	.078	15	184.4	.62	170	.083	19	1.95	.075	.16	3.1	.27	3.3	1.8	.09	7	4.8
STANDARD	13.3	144.6	26.1	139	.3	24.3	12.0	767	3.03	18.9	6.0	43.8	2.7	47	5.6	3.8	6.5	61	.74	.092	11	189.3	.69	137	.088	16	2.00	.031	.13	5.0	.18	3.3	1.1	<.05	6	5.0

Standard is STANDARD DS5.
GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C

Data A FA ____ DATE RECEIVED: NOV 1 2004 DATE REPORT MAILED: Nov 24/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-3 File # A505715 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
MC-R248	2.6	47.0	2.2	12	.8	676.8	17.7	143	1.43	896.4	.6	888.6	.2	24	.1	2.8	5.0	29	.04	.017	1	20.8	.03	263	.001	1	.24	.004	.05	<.1	.82	2.5	<.1	.11	1	.6	.81
MC-R249	.8	25.9	1.6	18	.2	237.9	6.3	89	1.34	299.0	.3	14.0	.2	61	<.1	3.6	1.5	22	.04	.040	2	23.5	.02	979	.002	1	.32	.002	.03	<.1	3.00	1.8	<.1	<.05	1	<.5	1.23
MC-R250	.3	1.2	.2	2	.4	93.1	2.0	47	.22	115.3	.1	1330.6	<.1	6	<.1	.4	.6	1	.22	.005	<1	8.0	<.01	9	.001	1	.03	.002	.01	.1	.06	.1	<.1	<.05	<1	<.5	.70
MC-R251	.8	135.1	1.8	54	.6	188.9	20.7	798	3.07	209.7	.4	6.0	.8	119	.2	2.3	.9	105	4.96	.045	8	65.6	2.14	520	.002	2	.52	.005	.01	<.1	.44	10.5	<.1	.14	1	<.5	1.15
MC-R252	4.2	38.1	4.9	14	1.9	39.8	2.5	92	.56	64.8	.1	27.2	<.1	7	.1	9.0	.2	7	.06	.009	1	14.1	.03	124	.001	<1	.07	.001	.02	<.1	1.45	.4	<.1	<.05	<1	<.5	.81
RE MC-R252	4.2	36.0	4.9	14	1.8	40.7	2.4	91	.56	65.5	.1	25.3	.1	7	.2	9.0	.3	7	.05	.008	1	14.7	.03	119	.001	1	.07	.001	.02	<.1	1.45	.6	<.1	<.05	<1	<.5	-
MC-R253	1.5	17.7	1.7	10	1.0	423.1	7.6	41	1.03	454.1	.3	58.5	.2	63	<.1	2.1	1.7	11	.04	.022	1	20.2	.01	762	.001	1	.32	.002	.02	<.1	2.28	1.1	<.1	.10	1	<.5	.79
MC-R254	2.7	22.3	2.0	23	.2	97.7	6.7	88	1.59	118.0	.2	20.1	.2	55	<.1	1.3	.4	21	.08	.015	1	21.9	.04	613	.002	<1	.26	.001	.03	<.1	.80	1.4	<.1	.13	1	<.5	.91
MC-R255	1.1	5.1	.7	7	.4	17.5	2.1	64	.54	57.2	<.1	717.6	.1	3	<.1	.5	.1	12	.03	.008	1	17.8	.04	10	.001	1	.11	.001	.04	<.1	.05	.5	<.1	<.05	1	<.5	1.32
MC-R256	5.4	68.4	6.2	94	1.3	108.2	33.5	1179	5.68	188.7	.7	49.6	1.8	96	.4	8.6	.2	131	4.59	.080	12	87.6	.46	89	.003	3	.70	.002	.04	.1	.37	12.4	.3	<.05	1	<.5	1.11
MC-R257	9.8	28.7	2.7	13	1.9	34.5	7.4	140	1.29	165.2	.1	358.2	.1	27	.1	1.8	.1	15	.33	.007	1	18.3	.05	42	.002	2	.19	.001	.03	<.1	.11	1.2	.1	<.05	<1	<.5	1.33
MC-R258	18.0	54.7	2.7	19	2.1	409.6	13.5	207	1.48	611.9	.3	538.7	.1	29	.2	3.7	1.9	22	.20	.008	1	12.0	.04	27	.001	1	.15	.001	.04	<.1	.28	1.6	.1	<.05	<1	<.5	4.15
MC-R259	17.4	24.3	2.8	23	1.5	74.7	7.8	310	1.47	178.0	.1	248.5	.1	40	.1	2.1	.3	23	1.70	.008	1	18.8	.67	28	.001	2	.19	.002	.03	<.1	.12	1.5	.1	<.05	1	<.5	2.17
MC-R260	5.3	26.1	3.0	47	1.6	61.4	14.2	691	2.78	74.0	.2	41.8	.5	50	.2	1.6	.2	57	3.32	.019	4	31.7	.79	38	.001	3	.34	.002	.02	<.1	.09	4.4	.1	<.05	1	<.5	3.95
MC-R261	3.3	41.9	3.7	86	.9	48.6	23.5	727	4.60	67.0	.6	38.0	1.6	44	.2	4.2	.1	76	1.48	.088	10	57.1	.66	30	.002	2	.66	.002	.05	.1	.32	7.3	.2	<.05	1	<.5	3.71
MC-R262	21.6	39.4	4.8	75	1.8	92.0	25.7	466	4.20	297.4	.5	224.9	1.6	59	.1	5.5	.3	78	.73	.080	9	50.9	.15	652	.002	3	.58	.001	.06	.1	.34	6.6	.2	<.05	1	<.5	5.66
MC-R263	50.5	56.1	6.0	35	4.3	38.2	20.1	284	3.38	505.9	.4	1431.2	.9	33	.2	4.3	.1	51	.15	.046	5	32.6	.04	57	.002	3	.51	.001	.07	<.1	.28	4.4	.4	<.05	1	.5	4.53
MC-R264	61.3	78.0	3.3	37	5.0	31.9	13.0	333	2.21	291.5	.2	1898.0	.3	33	.3	6.6	.1	39	1.04	.017	2	15.8	.07	77	.002	3	.28	.001	.05	<.1	.31	2.7	.3	<.05	1	<.5	4.79
MC-R265	50.3	26.9	5.0	18	1.5	34.6	7.6	209	1.48	128.5	.1	417.5	.1	26	.2	2.6	.1	19	.49	.008	1	18.3	.08	45	.002	2	.24	.001	.03	.1	.09	1.8	.2	<.05	<1	<.5	5.22
MC-R266	21.2	93.6	2.4	31	1.4	30.3	10.3	357	1.94	73.0	.1	53.3	.3	29	.2	9.4	.1	38	.37	.034	3	26.7	.12	81	.002	2	.30	.001	.03	<.1	.46	3.1	.1	.16	1	<.5	5.41
MC-R267	2.9	81.7	1.0	54	.3	53.7	15.9	582	3.10	36.2	.2	135.9	.6	34	.1	1.5	<.1	71	.50	.063	6	52.4	.18	73	.002	3	.47	.001	.03	<.1	.06	5.5	<.1	<.05	1	<.5	4.29
MC-R268	13.7	20.8	2.6	29	1.2	38.4	10.9	412	2.01	49.6	.1	46.6	.2	34	.1	1.1	.1	43	.58	.014	2	27.1	.11	55	.001	2	.27	.001	.03	<.1	.08	3.6	.1	<.05	1	<.5	4.53
MC-R269	16.2	35.3	2.6	20	1.9	19.5	8.3	213	1.65	190.0	.1	748.3	.3	33	.2	2.8	<.1	24	.79	.022	2	22.0	.08	77	.002	2	.26	.001	.04	<.1	.15	1.9	.2	<.05	1	<.5	4.81
MC-R270	16.5	22.2	1.9	14	1.3	19.4	4.5	119	1.04	116.8	.1	623.2	.1	24	.1	2.1	.1	12	.50	.008	1	19.3	.11	38	.001	1	.16	.001	.03	<.1	.11	1.2	.1	<.05	<1	<.5	4.85
MC-R271	2.5	50.5	4.7	47	1.4	35.7	13.6	696	2.96	27.3	.2	24.9	.5	96	.3	1.2	<.1	54	3.86	.052	6	35.1	1.31	19	.002	2	.46	.015	.02	<.1	.08	3.7	<.1	.12	1	<.5	.61
MC-R272	5.8	11.4	1.6	15	1.2	11.0	4.7	308	.92	34.0	.2	1010.1	.1	31	.1	1.1	<.1	14	1.53	.009	1	17.6	.65	42	.001	1	.18	.003	.02	<.1	.03	1.3	.1	<.05	<1	<.5	.55
MC-R273	1.6	19.4	2.4	66	.5	49.1	20.2	1400	3.53	27.5	.3	496.3	.5	63	.2	2.0	.1	76	6.18	.026	5	38.1	.70	70	.002	2	.54	.004	.02	<.1	.06	6.7	<.1	<.05	1	<.5	.44
MC-R274	3.7	22.9	1.8	49	1.1	31.1	11.7	597	2.23	77.7	.2	630.4	.2	117	.2	.9	<.1	44	5.81	.016	2	22.5	2.16	62	.001	2	.27	.028	.02	<.1	.10	2.5	<.1	.10	1	<.5	.63
MC-R275	6.7	22.0	3.2	32	1.7	20.7	8.9	290	1.71	95.3	.2	1195.5	.2	34	.1	1.7	<.1	29	.19	.021	2	29.6	.09	49	.002	2	.32	.001	.04	<.1	.08	2.5	<.1	<.05	1	<.5	.69
MC-R276	9.8	19.5	1.8	18	6.2	18.7	4.5	248	1.10	52.3	.1	5180.4	.1	41	.4	2.8	<.1	12	1.32	.012	2	18.5	.55	19	.001	1	.17	.001	.02	<.1	.03	1.5	<.1	<.05	1	<.5	.51
MC-R277	.2	10.7	1.5	86	.2	51.4	18.6	1111	3.87	5.6	.5	31.5	.2	219	.2	.8	<.1	84	14.77	.024	2	28.0	4.99	6	.001	3	.36	.045	.01	<.1	.05	3.9	<.1	<.05	1	<.5	.66
MC-R278	6.6	23.3	4.9	28	3.5	33.4	15.5	513	3.42	20.2	.2	31.2	.6	15	.2	1.2	<.1	28	.20	.045	5	30.6	.07	72	.004	3	.37	.001	.02	<.1	.09	4.3	<.1	.08	1	.6	.49
MC-R279	.4	15.5	2.0	33	.7	24.4	8.3	313	1.76	18.2	.1	13.3	.3	35	1.4	1.1	.1	26	1.91	.024	2	22.4	.11	63	.003	2	.29	.001	.02	<.1	.18	3.3	<.1	<.05	1	<.5	.59
MC-R280	1.0	40.6	3.0	46	3.4	31.1	8.2	587	2.00	14.1	.2	15.3	.2	36	1.3	2.8	<.1	26	3.92	.035	4	25.4	.60	60	.002	2	.30	.002	.01	<.1	.44	2.8	.1	<.05	<1	<.5	.65
STANDARD DS6	11.5	121.5	30.4	142	.3	24.5	10.7	701	2.80	21.0	6.8	48.0	3.0	40	6.0	3.6	5.1	54	.85	.078	14	186.1	.57	165	.080	17	1.90	.072	.14	3.5	.23	3.2	1.8	<.05	6	4.2	-

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

DATE RECEIVED: AUG 30 2005 DATE REPORT MAILED: Sept 28/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
MC-R281	1.1	10.1	.7	10	.6	3.9	.7	103	.41	5.1	<.1	3.0	<.1	8	.4	.3	<.1	3	.80	.004	1	12.4	.12	18	<.001	1	.07	.002	<.01	<.1	.03	.3	<.1	<.05	<1	<.5	.55
MC-R282	.1	9.9	1.9	73	.1	49.3	14.6	921	3.41	7.4	.1	.9	.4	137	.2	.8	<.1	79	7.40	.020	3	70.6	2.89	537	.002	2	.52	.023	<.01	<.1	.07	7.7	<.1	<.05	1	<.5	.61
MC-R283	27.1	4.8	3.2	9	2.2	11.6	6.1	165	.99	109.4	.1	724.5	.3	18	.1	.6	<.1	20	.33	.024	3	19.2	.14	27	.002	1	.14	.003	.07	.1	.04	1.3	.1	<.05	<1	<.5	1.53
MC-R284	4.8	13.4	2.4	40	4.8	32.1	11.8	396	2.07	32.7	.2	69.0	.2	25	.1	2.3	<.1	53	2.93	.032	3	25.3	.09	45	.002	1	.22	.001	.02	<.1	.07	1.9	<.1	<.05	1	.5	1.66
MC-R285	1.1	12.8	2.8	29	.7	38.2	14.1	466	2.76	20.4	.2	6.1	.5	30	.2	.5	<.1	40	2.18	.062	7	33.4	.38	150	.002	2	.37	.002	.02	<.1	.09	4.4	<.1	.42	1	.6	1.45
MC-R286	14.8	11.4	1.7	20	1.0	19.2	7.3	214	1.46	22.2	.1	45.2	.2	27	.1	1.3	<.1	23	.17	.017	2	25.1	.06	24	.002	2	.24	.001	.02	<.1	.04	2.1	<.1	<.05	<1	<.5	3.75
MC-R287	16.1	7.0	1.9	15	.5	18.6	7.1	178	1.46	28.7	.1	19.6	.1	24	.1	1.1	<.1	16	.24	.014	1	22.2	.04	50	.002	<1	.20	.001	.02	<.1	.04	1.6	<.1	<.05	<1	<.5	5.11
MC-R288	4.8	65.1	1.5	53	.4	45.7	13.0	683	2.77	29.1	.2	8.9	.5	37	.1	3.3	<.1	58	1.53	.067	5	44.8	.18	19	.002	1	.49	.001	.03	.1	.42	4.5	<.1	<.05	1	<.5	3.98
MC-R289	9.2	19.5	1.9	35	.6	26.8	9.7	550	2.17	23.9	.2	19.5	.2	41	.2	1.4	<.1	45	2.71	.030	3	31.2	.17	37	.002	1	.31	.001	.02	<.1	.11	3.6	<.1	<.05	1	<.5	4.59
MC-R290	5.1	43.9	1.4	33	.3	28.0	9.4	374	1.94	25.2	.1	6.9	.3	37	.1	3.8	<.1	34	.80	.036	3	35.4	.23	13	.001	1	.30	.001	.03	<.1	.33	2.7	<.1	.17	1	<.5	1.89
MC-R291	1.9	6.9	1.9	95	.3	56.7	18.3	1214	3.99	9.9	.2	5.6	.3	195	.3	.4	<.1	121	11.52	.030	3	29.2	3.55	53	.001	1	.33	.037	.01	<.1	.08	4.8	<.1	<.05	1	<.5	4.52
RE MC-R291	1.8	6.2	1.8	91	.2	55.9	18.6	1206	3.88	9.9	.2	5.0	.3	193	.3	.4	<.1	121	11.28	.029	3	29.1	3.52	55	.002	1	.34	.036	.01	.1	.08	4.9	<.1	<.05	1	<.5	-
MC-R292	.3	10.7	3.8	142	.2	57.6	18.7	1838	5.29	4.6	.1	9.7	.1	169	1.0	.2	<.1	41	17.65	.009	5	10.0	7.14	598	.002	1	.21	.021	.01	<.1	.10	2.2	<.1	.06	1	<.5	1.83
MC-R293	.2	108.9	9.4	60	54.4	24.8	8.2	743	1.78	12.1	.1	219.3	.1	101	2.1	1.0	<.1	16	6.88	.019	3	7.6	3.09	129	.001	1	.16	.008	.01	<.1	1.65	.9	<.1	.08	<1	<.5	2.05
MC-R294	26.8	91.3	116.6	62	10.9	11.9	4.0	199	.74	48.7	.1	394.6	<.1	10	1.1	14.4	<.1	9	.34	.009	1	19.7	.12	42	.001	1	.11	.001	.02	<.1	4.30	.6	.1	.08	<1	<.5	3.79
MC-R295	3.9	44.7	12.1	29	11.6	6.7	2.2	175	.60	17.8	<.1	114.2	<.1	10	1.0	11.3	<.1	6	.62	.010	<1	20.7	.26	31	<.001	<1	.08	.001	.02	<.1	2.08	.3	<.1	.07	<1	<.5	1.71
MC-R296	16.4	311.7	5.2	27	2.7	20.1	8.2	217	2.47	300.6	.3	155.2	.6	45	.1	4.2	.1	37	.08	.026	5	33.4	.04	254	.001	2	.38	.001	.10	<.1	5.71	3.7	.1	.40	1	.7	3.93
MC-R297	18.6	100.1	4.2	19	16.7	9.5	4.6	160	1.04	172.7	.2	353.8	.2	12	.2	10.4	<.1	14	.05	.015	2	20.1	.02	175	.001	1	.18	.001	.07	<.1	6.84	.8	.1	<.05	1	<.5	4.85
MC-R298	8.8	116.0	4.9	53	.4	41.0	19.6	516	2.99	54.8	.3	16.8	.4	37	.1	4.5	.1	62	.49	.013	2	48.4	.10	168	.001	2	.54	.001	.08	<.1	1.41	5.6	.1	.13	2	<.5	3.17
MC-R299	1.0	95.4	.7	21	.9	18.3	7.0	606	.74	191.3	.1	1014.5	<.1	12	.1	2.2	<.1	12	.03	.008	1	17.6	.01	115	.001	<1	.13	<.001	.01	<.1	.22	.7	.1	<.05	<1	<.5	1.33
MC-R300	4.5	11.0	2.1	6	3.3	6.7	.7	45	.53	56.6	<.1	1509.4	.1	5	.1	.7	<.1	6	.02	.008	1	18.6	.03	18	.001	<1	.10	.001	.04	<.1	.11	.2	<.1	<.05	<1	.9	.65
STANDARD DS6	11.5	121.4	30.1	141	.3	24.8	10.7	702	2.80	21.2	6.8	49.8	3.1	41	6.0	3.6	5.1	55	.85	.077	14	185.4	.57	165	.082	19	1.90	.073	.15	3.4	.23	3.2	1.7	<.05	6	4.8	-

Sample type: ROCK R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-3 File # A505715R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Au** gm/mt
MC-R250	1.33
MC-R263	1.37
MC-R264	2.07
MC-R272	1.37
MC-R275	1.47
MC-R276	6.71
MC-R299	1.37
MC-R300	1.95
STANDARD OxL34	5.76

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: Rock Pulp

Data Lg FA ____ DATE RECEIVED: SEP 28 2005 DATE REPORT MAILED: Oct 6/05

BRITISH COLUMBIA CERTIFIED ASSAYER
C.T
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-4 File # A507194

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
G-1	.2	2.1	3.9	45	.3	4.0	3.9	523	1.80	16.5	1.6	5.2	3.4	52	<.1	.9	.4	33	.43	.070	6	8.3	.57	200	.103	1	.92	.049	.50	.1	<.01	1.8	.3	<.05	5	<.5	-
MC-R322	10.1	72.2	5.7	53	2.9	67.9	24.2	638	3.66	192.5	.5	1098.4	.6	44	.3	5.5	.1	81	.54	.018	4	59.3	.07	57	.006	3	.54	.001	.04	<.1	.17	7.6	.2	.07	2	<.5	2.94
MC-R323	35.3	45.3	3.8	24	6.5	30.1	11.4	316	1.97	235.1	.2	4780.7	.2	27	.2	3.1	.1	35	.44	.017	3	24.3	.10	25	.004	2	.35	.002	.05	<.1	.12	2.8	.2	.07	1	<.5	4.00
MC-R324	12.3	36.9	2.9	22	10.7	27.1	10.3	259	1.67	232.3	.2	11523.4	.2	37	.2	3.9	.1	26	.26	.011	2	26.2	.11	26	.003	2	.28	.002	.04	<.1	.06	2.1	.2	.11	1	<.5	4.54
MC-R325	3.9	62.2	4.7	45	2.3	59.3	18.6	520	3.30	313.8	.2	366.2	.5	59	.1	3.1	.1	66	1.06	.039	5	48.2	.38	32	.002	3	.52	.002	.04	<.1	.10	5.8	.1	.11	1	.6	3.50
MC-R326	28.7	11.2	3.1	16	3.9	17.7	6.1	249	2.00	209.9	.1	841.2	.3	35	.1	1.6	.1	20	.62	.048	4	14.8	.23	138	.002	2	.19	.002	.08	<.1	.03	1.6	.1	<.05	1	<.5	2.90
STANDARD DS6	11.7	122.0	30.9	142	.3	24.2	10.7	705	2.82	21.3	6.8	47.0	3.1	42	6.1	3.6	5.2	56	.86	.080	14	186.3	.57	164	.083	18	1.91	.075	.17	3.5	.23	3.3	1.8	<.05	7	4.5	-

GROUP 1DX - 30 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Rock R150

Data FA ____ **DATE RECEIVED:** NOV 2 2005 **DATE REPORT MAILED:** Nov 25/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-4 File # A507194R

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	-
MC-R322	4	1.23
MC-R323	9	5.56
MC-R324	12	14.94
STANDARD R-2a/OxL34	156	5.84

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: Rock Pulp

Data fy FA ____ **DATE RECEIVED:** DEC 1 2005 **DATE REPORT MAILED:** Dec 6/05

BRITISH COLUMBIA CERTIFIED ASSAYER
C.L.
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER, BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE

Armadeh Minerals Ltd. PROJECT MR-105 File # A5071842

(110 - 750 W. Pender St., Vancouver BC V6C 2T8) Submitted by: Sanjeh

SAMPLE#	Ag** gm/mt	Au** gm/mt
G-1	<2	-
MC-R325	4	.44
STANDARD R-2a/OxL34	156	5.78

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: Rock Pulp

Data Lg FA ___ DATE RECEIVED: DEC 15 2005 DATE REPORT MAILED: Dec 28/05

Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-2 File # A406822 Page 1
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	3.0	2.1	47	<.1	3.8	4.3	584	1.92	<.5	1.7	1.1	3.9	77	<.1	<.1	.1	45	.55	.080	7	12.5	.55	254	.132	2	.95	.068	.58	1.2	<.01	2.1	.3	.06	5	<.5	30.0
MC-S120	.5	22.4	3.9	46	.1	25.9	10.8	423	2.83	2.6	.5	2.3	1.5	59	.1	.2	.1	85	.66	.038	13	47.4	.54	107	.164	2	1.94	.024	.12	<.1	.05	6.2	<.1	.06	5	<.5	30.0
MC-S121	.4	18.2	3.8	83	<.1	15.0	8.7	329	3.24	5.8	.5	<.5	1.6	26	.1	.1	.1	78	.29	.058	11	25.4	.39	98	.046	3	1.21	.009	.16	<.1	.01	4.8	<.1	<.05	5	<.5	30.0
MC-S122	.5	37.6	4.0	58	.1	40.5	18.7	1301	4.12	7.5	.5	3.3	1.5	57	.1	.2	.1	99	.74	.101	17	42.1	.58	71	.050	4	1.60	.016	.09	<.1	.04	8.9	<.1	<.05	6	<.5	30.0
MC-S123	.5	27.6	3.5	73	.1	25.6	7.4	262	3.52	10.9	.8	1.8	1.5	47	<.1	1.1	.1	114	.45	.057	11	37.1	.33	71	.107	3	1.18	.012	.12	.1	.02	7.2	<.1	<.05	3	<.5	30.0
MC-S124	1.1	51.5	4.5	143	.6	91.6	47.0	1232	7.18	28.4	.4	17.1	.4	96	.2	9.8	<.1	230	.77	.200	6	45.1	.17	362	.029	6	.59	.006	.10	.1	.25	19.6	.1	.08	3	.7	30.0

RETAIN

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-3 File # A505714
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.6	1.9	2.5	47	<.1	7.4	4.6	586	1.84	<.5	2.3	<.5	3.6	57	<.1	<.1	.1	38	.45	.081	7	82.3	.64	255	.127	1	1.00	.069	.58	.1	<.01	2.3	.4	<.05	5	<.5
MC-S125	.4	42.9	5.4	104	.1	70.7	19.3	398	4.90	76.9	.3	.9	2.3	37	.1	.2	.1	115	.49	.123	20	79.3	.18	45	.012	8	1.71	.005	.10	<.1	.01	15.1	<.1	<.05	6	<.5
MC-S126	210.0	2198.5	24.2	649	3.7	179.1	57.2	2613	16.55	1739.7	2.0	780.8	1.3	43	4.6	221.5	.1	450	.59	.375	6	72.8	.22	514	.034	3	1.57	.006	.08	.1	8.15	16.2	1.0	<.05	6	.5
MC-S127	1.7	72.1	10.6	206	2.8	121.2	36.7	1476	10.68	36.9	.4	106.4	1.9	46	.6	2.6	.1	234	1.23	.101	22	74.3	.52	349	.067	7	1.96	.012	.15	<.1	.77	22.0	.2	<.05	6	.5
SRG 00S-50W	1.1	16.2	3.4	94	.2	21.9	6.0	304	2.63	10.1	.2	317.1	.8	24	.1	.5	.1	59	.27	.069	5	35.4	.17	108	.061	3	1.08	.012	.10	.1	<.01	3.6	<.1	<.05	4	<.5
STANDARD OS6	11.8	126.4	28.5	145	.3	25.2	10.9	710	2.87	21.5	6.5	46.0	3.0	40	6.1	3.5	4.9	57	.86	.079	14	188.8	.59	164	.083	17	1.94	.072	.16	3.5	.22	3.3	1.8	<.05	6	4.5

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data f FA ____ DATE RECEIVED: AUG 30 2005 DATE REPORT MAILED: Sept. 27/05

BRITISH COLUMBIA CERTIFIED ASSAYER
C.L
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-3 File # A505714

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.6	1.9	2.5	47	<.1	7.4	4.6	586	1.84	<.5	2.3	<.5	3.6	57	<.1	<.1	.1	38	.45	.081	7	82.3	.64	255	.127	1	1.00	.069	.58	.1	<.01	2.3	.4	<.05	5	<.5
MC-S125	.4	42.9	5.4	104	.1	70.7	19.3	398	4.90	76.9	.3	.9	2.3	37	.1	.2	.1	115	.49	.123	20	79.3	.18	45	.012	8	1.71	.005	.10	<.1	.01	15.1	<.1	<.05	6	<.5
MC-S126	210.0	2198.5	24.2	649	3.7	179.1	57.2	2613	16.55	1739.7	2.0	780.8	1.3	43	4.6	221.5	.1	450	.59	.375	6	72.8	.22	514	.034	3	1.57	.006	.08	.1	8.15	16.2	1.0	<.05	6	.5
MC-S127	1.7	72.1	10.6	206	2.8	121.2	36.7	1476	10.68	36.9	.4	106.4	1.9	46	.6	2.6	.1	234	1.23	.101	22	74.3	.52	349	.067	7	1.96	.012	.15	<.1	.77	22.0	.2	<.05	6	.5
SRG 00S-50W	1.1	16.2	3.4	94	.2	21.9	6.0	304	2.63	10.1	.2	317.1	.8	24	.1	.5	.1	59	.27	.069	5	35.4	.17	108	.061	3	1.08	.012	.10	.1	<.01	3.6	<.1	<.05	4	<.5
STANDARD DS6	11.8	126.4	28.5	145	.3	25.2	10.9	710	2.87	21.5	6.5	46.0	3.0	40	6.1	3.5	4.9	57	.86	.079	14	188.8	.59	164	.083	17	1.94	.072	.16	3.5	.22	3.3	1.8	<.05	6	4.5

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data 1 FA ____ **DATE RECEIVED:** AUG 30 2005 **DATE REPORT MAILED:** Sept. 27/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT BCR04-6 File # A406760
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
MC-128-3	.3	15.5	3.4	52	<.1	26.5	10.7	431	2.70	1.0	.5	.9	1.0	116	<.1	.1	<.1	87	.95	.049	7	44.3	.80	61	.188	4	1.23	.064	.05	<.1	.02	4.2	<.1	<.05	4	<.5	30
MC-311	.4	28.3	3.5	47	.1	37.9	14.6	569	2.85	2.4	1.0	1.2	1.2	96	.1	.2	<.1	91	1.03	.095	12	54.8	1.14	97	.108	4	1.35	.056	.11	<.1	.04	6.2	<.1	<.05	4	<.5	30
MC-312	.6	44.9	4.1	52	.1	43.5	15.5	654	3.41	2.9	.6	12.0	1.2	86	.1	.2	<.1	95	1.22	.091	15	59.2	1.23	115	.100	8	1.96	.050	.08	<.1	.05	8.2	<.1	<.05	6	.5	15
MC-313	.4	34.1	3.0	45	<.1	33.8	13.0	455	2.59	.9	.4	1.0	.6	181	.1	.3	<.1	75	4.74	.104	9	43.9	1.17	84	.073	9	1.10	.062	.06	<.1	.04	4.2	<.1	.15	3	1.9	30
MC-314	.3	26.6	3.4	47	<.1	36.6	15.6	516	2.72	1.5	.7	.6	1.4	113	.1	.1	<.1	73	.78	.078	10	50.2	1.17	109	.110	4	1.35	.061	.10	<.1	.04	5.4	<.1	<.05	4	<.5	30
MC-315	.4	29.2	3.5	47	<.1	37.5	15.3	637	3.08	2.2	.7	1.7	1.3	91	<.1	.2	<.1	101	.88	.095	11	60.8	1.18	100	.117	2	1.55	.056	.09	<.1	.02	6.2	<.1	<.05	4	<.5	30
STANDARD OS6	11.8	126.9	29.5	146	.3	24.8	11.0	723	2.97	22.0	6.7	48.4	2.9	37	6.1	3.5	4.8	52	.88	.088	12	184.8	.59	170	.075	18	1.82	.066	.16	3.5	.24	3.1	1.7	<.05	6	4.4	30

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: STREAM SED.

Data f FA ____ DATE RECEIVED: NOV 1 2004 DATE REPORT MAILED: Nov 24/04

BRITISH COLUMBIA CERTIFIED ASSAYER
C.L
Clarence Leong

GRID SOIL SAMPLES
(Geochemical Analysis Certificates)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-1 File # A405684

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.2	2.4	2.0	40	<.1	4.3	3.5	496	1.74	.5	1.9	<.5	4.1	76	<.1	<.1	.1	40	.53	.086	8	48.6	.48	191	.109	2	.76	.075	.41	.2	<.01	1.9	.3	<.05	4	<.5
ML1-00	1.0	48.4	7.1	144	.5	64.6	19.3	964	5.22	24.5	.4	35.0	1.1	49	.2	1.5	.1	132	.87	.068	21	62.5	.27	100	.042	6	1.54	.012	.07	.1	.08	12.6	.1	<.05	5	.5
ML1-25S	.8	40.4	8.3	164	1.2	80.0	24.9	1486	7.48	26.4	.5	44.9	1.7	65	.3	2.1	.1	182	1.27	.098	21	78.2	.49	105	.106	8	1.89	.015	.17	.1	.14	20.1	.2	<.05	6	.9
ML1-50S	1.3	33.6	9.0	185	.1	79.0	30.6	2091	7.43	32.8	.4	5.5	1.7	56	.3	1.3	.1	173	.82	.095	19	76.2	.33	244	.095	11	2.10	.013	.27	.1	.05	14.6	.2	<.05	6	.5
ML1-75S	1.9	56.2	12.7	212	.3	109.5	45.8	2866	9.19	58.1	.4	61.7	1.6	50	.4	2.2	.1	208	.88	.116	24	93.7	.46	271	.061	8	2.09	.009	.25	.2	.07	20.5	.3	<.05	6	.7
ML1-100S	3.2	45.9	10.8	175	.4	71.7	30.0	2014	7.01	76.8	.3	55.6	1.4	79	.4	2.1	.1	168	1.17	.103	21	75.4	.37	245	.066	9	1.74	.012	.26	.1	.10	16.5	.3	<.05	5	<.5
ML1-125S	11.6	75.9	7.6	131	.6	65.2	23.6	879	6.13	156.9	.3	306.7	1.2	53	.2	4.8	.1	122	.72	.067	13	68.8	.29	345	.052	7	1.84	.011	.22	.1	.09	12.0	.5	<.05	5	<.5
ML1-150S	1.1	19.1	5.4	70	.3	32.7	8.3	179	3.09	9.3	.2	.7	1.1	45	.1	.5	.1	66	.51	.076	9	34.6	.23	219	.101	6	1.82	.021	.14	.1	.03	5.5	.1	<.05	6	<.5
ML1-175S	.5	23.1	4.9	63	.1	25.4	9.7	430	3.30	4.7	.5	2.8	1.6	56	.1	.3	.1	102	.54	.035	11	54.4	.43	137	.259	3	1.74	.028	.14	.1	.02	7.3	<.1	<.05	6	<.5
ML1-200S	.6	26.4	4.2	128	.1	34.8	8.7	379	3.00	5.3	.3	<.5	1.1	47	.1	.4	.1	67	.52	.098	14	40.1	.22	146	.079	6	1.47	.017	.16	.1	.03	6.0	.1	<.05	5	<.5
ML1-225S	.7	31.5	4.9	86	.4	49.1	15.6	576	4.66	8.5	.4	184.8	1.6	41	.2	.6	.1	122	.61	.055	23	65.3	.30	144	.090	5	1.78	.015	.10	<.1	.07	11.4	<.1	<.05	6	.5
ML1-250S	1.0	53.3	5.1	143	.3	78.9	22.9	1049	6.75	10.7	.4	3.5	1.8	49	.2	1.1	.1	160	.75	.103	28	88.0	.26	174	.036	7	1.90	.011	.12	.1	.11	15.2	.1	<.05	6	.5
ML1-275S	1.2	71.2	8.4	206	1.1	96.0	30.0	1592	7.63	25.4	.4	25.5	1.5	61	.4	2.6	.1	181	.89	.136	17	90.3	.30	376	.068	8	1.77	.013	.12	.1	.12	14.6	.1	<.05	6	.8
ML1-300S	.8	29.3	5.2	86	.1	39.2	12.9	521	3.69	4.1	.7	2.2	1.7	72	.1	.3	.1	93	.74	.063	16	53.1	.56	172	.200	5	2.29	.027	.15	.1	.04	9.1	.1	<.05	7	<.5
ML1-325S	.8	53.8	8.2	265	.5	103.2	32.1	1725	8.49	15.6	.2	31.1	1.3	85	.5	1.8	.1	175	1.05	.154	13	68.2	.44	459	.062	6	1.75	.014	.13	.1	.09	12.4	.1	<.05	5	<.5
ML1-350S	.6	29.4	6.0	163	.3	80.8	24.6	1174	6.33	10.5	.3	6.8	1.1	50	.3	.9	.1	140	1.12	.091	16	69.5	.38	356	.066	7	1.71	.015	.13	.1	.06	14.7	.1	<.05	5	<.5
ML1-375S	1.2	54.9	11.5	222	.5	98.9	34.9	2458	7.21	18.3	.3	41.0	1.4	54	.5	1.7	.1	158	.92	.132	13	79.6	.40	330	.092	7	1.95	.015	.25	.1	.13	14.2	.2	<.05	6	.6
ML1-400S	.6	45.4	9.2	199	.2	93.2	37.8	2174	6.27	11.8	.3	7.5	1.4	61	.2	.8	.1	139	1.10	.108	19	75.7	.34	467	.089	8	1.81	.015	.25	.1	.06	13.3	.2	<.05	6	.5
RE ML1-400S	.6	47.0	9.6	208	.2	97.0	38.5	2282	6.51	12.2	.3	9.2	1.5	62	.3	.9	.1	150	1.17	.110	19	78.9	.36	465	.093	10	1.82	.016	.26	.1	.07	14.5	.2	<.05	6	.6
ML1-425S	.9	52.9	9.7	176	.4	86.4	30.8	1452	6.89	20.0	.3	26.9	1.4	97	.2	1.4	.1	159	.87	.121	22	80.9	.30	358	.040	9	1.75	.011	.26	.1	.09	15.8	.3	<.05	5	.5
ML1-450S	.4	29.1	5.1	87	.1	48.3	15.2	466	4.39	5.8	.3	3.9	1.3	40	.1	.5	.1	111	.50	.048	18	57.1	.28	224	.077	3	1.68	.017	.14	.1	.04	10.9	.1	<.05	5	<.5
ML1-475S	.6	38.1	7.1	125	.1	67.4	24.0	1066	5.69	11.8	.3	4.4	1.7	53	.1	.9	.1	132	.71	.074	21	75.6	.31	192	.077	5	1.97	.013	.19	.1	.06	14.6	.2	<.05	6	.5
ML1-500S	.6	53.7	7.8	169	.2	83.7	29.3	1122	5.69	11.5	.2	3.5	1.3	76	.3	1.0	.1	152	.71	.094	16	67.2	.35	635	.070	12	2.43	.016	.24	.1	.05	14.6	.2	<.05	7	<.5
ML1-525S	.8	40.5	9.1	221	.1	108.7	40.5	2180	8.58	19.0	.3	6.1	1.7	58	.4	1.4	.1	220	1.25	.104	21	95.4	.37	435	.060	10	1.83	.013	.19	.1	.07	21.1	.3	<.05	6	.6
ML1-550S	1.0	26.3	11.7	267	.1	99.0	36.2	2549	9.97	14.7	.2	9.2	1.0	74	.7	1.0	.1	198	1.49	.151	7	128.3	.55	284	.043	11	1.17	.012	.10	.1	.18	14.1	.2	<.05	4	.6
ML1-575S	2.2	89.7	7.1	200	1.0	135.7	33.4	1343	10.11	39.1	.2	39.6	1.3	61	.4	4.5	.1	218	1.31	.051	8	146.4	.50	467	.042	5	1.33	.011	.07	.1	.22	20.5	.3	<.05	5	.6
ML1-600S	.6	30.2	5.8	159	.1	80.0	20.1	812	6.57	8.8	.2	1.7	1.2	48	.2	.6	.1	135	.41	.067	11	91.0	.29	319	.053	4	1.89	.014	.16	.1	.04	11.8	.1	<.05	6	<.5
ML1-625S	.8	38.8	4.5	94	.2	51.5	15.7	584	4.82	10.1	.5	5.2	1.4	58	.1	.9	.1	112	.56	.054	16	72.7	.44	263	.121	2	1.97	.025	.17	.1	.04	11.4	.1	<.05	6	<.5
ML1-650S	.6	33.8	4.6	81	.1	38.4	14.1	615	3.85	7.5	.5	3.3	1.4	58	.1	.7	.1	95	.59	.048	17	56.8	.51	212	.145	3	1.89	.030	.15	.1	.04	9.5	.1	<.05	6	<.5
ML1-675S	.9	73.0	4.9	146	.8	83.0	22.9	904	5.87	12.3	.4	32.9	1.3	66	.1	1.9	.1	135	.59	.063	11	86.1	.48	411	.109	2	2.22	.021	.17	.1	.12	15.0	.1	<.05	7	.6
ML1-700S	.6	69.0	5.4	200	1.0	98.5	33.0	1601	7.56	10.5	.2	23.9	1.1	90	.2	.7	.1	176	1.08	.083	17	106.1	.51	301	.076	6	2.19	.019	.21	.1	.08	18.8	.1	<.05	6	.6
ML1-725S	.5	33.6	4.2	79	.1	46.6	15.2	661	4.11	5.2	.3	8.8	1.2	64	.1	.5	.1	104	.61	.057	15	62.1	.52	148	.132	3	1.79	.028	.20	.1	.06	9.9	.1	<.05	5	<.5
ML1-750S	.4	28.2	4.1	76	.1	34.8	12.5	525	3.46	2.9	.5	1.1	1.3	66	.1	.3	.1	89	.54	.043	13	58.7	.54	106	.181	2	1.88	.032	.19	<.1	.02	7.9	<.1	<.05	6	<.5
ML1-775S	.6	29.5	4.7	82	.1	33.6	13.6	774	3.51	4.0	.5	5.7	1.4	55	.1	.3	.1	91	.60	.043	14	57.5	.55	102	.159	3	1.67	.030	.22	<.1	.04	8.0	<.1	<.05	6	<.5
ML1-800S not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STANDARD DS5	12.4	141.4	25.4	134	.3	24.3	11.7	789	3.04	17.9	6.3	42.4	3.0	49	5.3	3.8	6.2	61	.74	.095	12	189.2	.69	135	.100	18	1.97	.036	.14	4.8	.17	3.4	1.1	<.05	6	5.0

GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data We FA ____ DATE RECEIVED: SEP 20 2004 DATE REPORT MAILED: Oct. 9/04

Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-1 File # A405684A

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Baton

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
ML1-800S	.4	24.8	3.6	59	.1	28.4	10.2	412	3.06	2.6	.5	1.7	1.5	49	.1	.3	.1	93	.50	.037	14	49.5	.54	81	.165	2	1.54	.028	.15	.1	.02	7.0	<.1	<.05	5	<.5
STANDARD DS5	12.7	142.7	24.8	134	.3	25.2	12.4	796	2.97	17.8	6.4	44.0	2.8	48	5.5	3.8	6.3	62	.76	.088	13	186.1	.67	137	.091	17	2.05	.035	.14	4.9	.19	3.3	1.1	<.05	7	4.9

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data L FA ____ **DATE RECEIVED:** OCT 5 2004 **DATE REPORT MAILED:** Oct 19/2004

BRITISH COLUMBIA CERTIFIED ASSAYER
Jacky Wang

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT04-2 File # A406822 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

RECON.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.4	3.0	2.1	47	<.1	3.8	4.3	584	1.92	<.5	1.7	1.1	3.9	77	<.1	<.1	.1	45	.55	.080	7	12.5	.55	254	.132	2	.95	.068	.58	1.2	<.01	2.1	.3	.06	5	<.5	30.0
MC-S120	.5	22.4	3.9	46	.1	25.9	10.8	423	2.83	2.6	.5	2.3	1.5	59	.1	.2	.1	85	.66	.038	13	47.4	.54	107	.164	2	1.94	.024	.12	<.1	.05	6.2	<.1	.06	5	<.5	30.0
MC-S121	.4	18.2	3.8	83	<.1	15.0	8.7	329	3.24	5.8	.5	<.5	1.6	26	.1	.1	.1	78	.29	.058	11	25.4	.39	98	.046	3	1.21	.009	.16	<.1	.01	4.8	<.1	<.05	5	<.5	30.0
MC-S122	.5	37.6	4.0	58	.1	40.5	18.7	1301	4.12	7.5	.5	3.3	1.5	57	.1	.2	.1	99	.74	.101	17	42.1	.58	71	.050	4	1.60	.016	.09	<.1	.04	8.9	<.1	<.05	6	<.5	30.0
MC-S123	.5	27.6	3.5	73	.1	25.6	7.4	262	3.52	10.9	.8	1.8	1.5	47	<.1	1.1	.1	114	.45	.057	11	37.1	.33	71	.107	3	1.18	.012	.12	.1	.02	7.2	<.1	<.05	3	<.5	30.0
MC-S124	1.1	51.5	4.5	143	.6	91.6	47.0	1232	7.18	28.4	.4	17.1	.4	96	.2	9.8	<.1	230	.77	.200	6	45.1	.17	362	.029	6	.59	.006	.10	.1	.25	19.6	.1	.08	3	.7	30.0
00S 100W	.3	7.7	2.9	110	.1	13.4	4.1	207	1.43	2.2	.2	3.2	.6	23	.1	.1	.1	37	.28	.052	3	20.8	.15	120	.081	2	1.04	.015	.07	<.1	.02	1.8	<.1	<.05	4	<.5	30.0
00S 75W	.8	18.0	3.7	72	.2	25.5	7.2	193	2.99	9.9	.3	83.5	1.2	36	.1	.4	.1	70	.40	.089	8	40.5	.26	101	.095	2	1.66	.012	.11	.1	.01	4.4	<.1	<.05	5	<.5	30.0
00S 50W	1.3	23.2	3.8	75	.2	26.5	7.7	202	2.99	16.1	.3	301.9	1.0	24	.1	.6	.1	78	.25	.070	7	41.6	.16	76	.063	1	.88	.009	.09	.1	.02	4.6	<.1	<.05	3	<.5	30.0
00S 25W	.7	23.9	4.7	99	.2	46.5	16.3	379	4.03	10.6	.3	10.3	1.3	42	.1	.3	.1	84	.79	.057	21	51.6	.22	94	.015	4	1.32	.012	.10	.1	.03	7.5	.1	<.05	4	<.5	15.0
00S 25E	.8	28.7	7.0	193	.3	107.4	26.8	1081	7.39	14.8	.2	2.5	1.3	57	.2	1.3	.1	156	.74	.108	16	90.7	.37	150	.051	8	2.23	.011	.18	.1	.03	12.2	.1	<.05	6	<.5	30.0
00S 50E	.7	119.1	8.6	200	.1	65.5	28.2	1122	8.40	12.6	.3	3.7	1.3	45	.4	.7	.1	206	.82	.140	37	109.4	.31	341	.070	4	1.46	.008	.15	.2	.05	30.0	<.1	<.05	5	.6	15.0
00S 75E	.3	12.5	4.2	124	<.1	21.6	7.8	206	2.28	3.8	.2	6.1	1.1	27	<.1	.3	.1	58	.39	.040	9	33.9	.21	205	.087	3	1.71	.018	.11	.1	.02	4.2	<.1	<.05	5	<.5	30.0
00S 100E	.5	33.8	4.4	102	<.1	26.4	12.4	577	3.22	9.6	.2	1.7	.8	45	.1	.6	.1	62	.71	.111	15	45.0	.17	283	.025	9	1.14	.009	.34	.1	.03	6.0	<.1	<.05	3	<.5	7.5
RE 00S 100E	.4	33.2	4.3	103	<.1	25.4	12.2	553	2.94	9.5	.2	2.1	.8	43	.1	.5	.1	62	.62	.105	14	43.4	.18	287	.023	7	1.09	.008	.30	.2	.02	5.6	<.1	<.05	4	<.5	7.5
100S 100W	.6	19.6	5.0	75	.1	22.6	8.7	314	2.78	3.1	.6	1.1	1.5	57	.1	.2	.1	87	.60	.036	11	41.4	.38	141	.227	1	1.67	.023	.13	.1	.03	5.6	<.1	<.05	5	<.5	15.0
100S 75W	.6	30.0	4.6	87	.1	38.8	10.5	397	3.94	9.2	.3	1.9	1.3	49	.1	.4	.1	107	.43	.071	14	52.7	.30	166	.114	5	1.48	.015	.12	.1	.02	7.0	.1	<.05	4	<.5	30.0
100S 50W	.8	31.2	6.1	97	.2	61.6	17.2	395	4.88	23.4	.4	8.3	2.1	48	.1	.5	.1	135	.58	.080	24	68.8	.29	247	.105	3	1.92	.016	.11	.1	.02	14.8	.1	<.05	5	<.5	30.0
100S 25W	.6	53.4	12.0	281	.1	112.6	41.1	2086	9.66	29.9	.2	7.6	1.6	81	.2	.6	.1	331	.75	.181	30	113.4	.26	713	.047	6	2.01	.009	.23	.1	.05	21.9	.1	<.05	6	<.5	30.0
100S 50E	.8	27.9	4.7	66	.1	32.1	14.5	308	2.88	6.0	.4	.7	.9	44	.1	.1	.1	79	.67	.059	25	44.0	.18	393	.044	3	1.50	.010	.12	.1	.04	7.9	.1	<.05	4	<.5	15.0
100S 75E	.3	21.3	4.3	100	.1	26.8	11.1	260	3.49	5.4	.2	.6	.9	44	.1	.1	.2	71	.55	.055	12	50.6	.25	146	.034	11	1.57	.012	.21	<.1	.03	9.6	.1	<.05	6	<.5	30.0
100S 100E	.5	10.6	3.7	42	.1	11.7	4.8	153	2.06	1.4	.2	3.3	.7	33	<.1	.1	.1	55	.32	.016	4	27.9	.21	93	.119	1	.95	.019	.10	<.1	.02	2.7	<.1	<.05	3	<.5	30.0
200S 100W	.5	21.4	6.6	95	.1	42.7	12.7	672	4.53	7.6	.3	2.8	1.3	51	.1	.8	.1	96	.69	.067	13	38.7	.33	298	.102	1	1.42	.018	.08	.1	.03	7.1	.1	<.05	5	<.5	15.0
200S 75W	.3	45.2	5.1	125	.1	53.2	15.9	544	4.14	9.4	.3	1.0	1.4	59	.1	.4	.1	92	.68	.085	13	47.9	.17	292	.023	6	1.13	.011	.14	.1	.03	8.2	.1	<.05	4	<.5	15.0
200S 50W	.4	37.0	5.5	108	.1	43.1	12.5	358	3.77	4.9	.4	1.6	1.7	50	.1	.3	.1	106	.59	.065	17	46.9	.34	174	.115	4	1.93	.018	.11	<.1	.02	10.1	<.1	<.05	5	<.5	30.0
200S 25W	.4	35.9	4.6	112	.1	39.5	12.2	399	4.21	4.7	.3	.7	1.4	51	.1	.5	.1	100	.55	.080	16	50.0	.27	147	.084	3	1.63	.017	.13	.1	.02	10.1	<.1	<.05	5	<.5	30.0
200S 25E	.4	38.0	4.4	126	.4	46.2	12.3	621	3.25	8.3	.2	2.2	.9	58	.1	.6	.1	87	.75	.142	9	37.3	.24	223	.054	5	1.09	.019	.07	.1	.04	6.5	<.1	<.05	4	<.5	30.0
200S 50E	.4	17.4	3.7	82	.1	30.6	8.4	252	2.85	3.7	.3	1.0	1.0	39	.1	.3	.1	75	.49	.046	8	44.4	.30	169	.103	6	1.72	.019	.10	.1	.01	6.4	.1	<.05	6	<.5	30.0
200S 75E	.6	22.4	6.1	66	.1	20.7	10.9	376	3.16	5.1	.6	4.1	1.3	42	.1	.2	.1	87	.62	.069	9	51.5	.60	179	.212	3	2.17	.021	.10	.1	.02	5.6	<.1	<.05	6	<.5	30.0
200S 100E	.5	23.0	6.9	80	<.1	25.9	16.0	933	3.82	4.7	.6	<.5	1.0	35	.1	.1	.1	75	.92	.072	17	89.9	1.54	337	.137	3	3.32	.012	.22	<.1	.03	7.3	<.1	<.05	10	<.5	15.0
300S 100W	.3	36.1	4.0	78	.1	38.5	13.1	360	3.80	6.2	.4	<.5	1.2	29	.1	.2	.1	92	.45	.082	20	55.4	.26	84	.025	5	1.51	.012	.12	<.1	.03	8.0	<.1	<.05	5	<.5	15.0
300S 75W	.3	29.4	3.9	92	<.1	50.8	12.7	331	5.32	7.2	.3	<.5	1.6	35	<.1	.2	<.1	131	.31	.124	24	86.1	.15	69	.005	5	1.22	.009	.07	<.1	.02	11.7	<.1	<.05	4	<.5	15.0
300S 50W	.6	16.0	3.6	84	<.1	29.3	8.6	333	3.36	3.0	.2	<.5	1.0	34	.1	.2	.1	89	.39	.079	15	45.6	.19	96	.076	4	1.15	.013	.11	<.1	.02	5.9	<.1	<.05	4	<.5	30.0
300S 25W	.5	18.7	5.1	77	<.1	39.2	10.5	369	4.11	3.9	.4	.6	1.5	44	.1	.4	.1	108	.47	.057	11	55.5	.35	119	.173	1	1.63	.022	.08	<.1	.02	8.3	<.1	<.05	5	<.5	15.0
STANDARD DS6	11.7	124.2	28.6	145	.3	23.2	10.4	725	2.86	22.0	6.6	48.0	2.9	38	6.1	3.4	4.8	57	.87	.079	14	183.0	.55	173	.073	18	1.88	.065	.17	3.5	.23	3.4	1.7	<.05	6	4.6	30.0

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ____ DATE RECEIVED: NOV 1 2004 DATE REPORT MAILED: Nov 25/04

Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.6	3.7	1.9	44	<.1	4.4	4.4	597	1.81	<.5	1.5	.5	3.5	70	<.1	<.1	.1	44	.53	.079	6	12.8	.50	261	.127	3	.88	.061	.67	1.4	<.01	2.0	.4	.06	5	<.5	30.0
300S 25E	2.0	40.5	6.2	116	.5	100.8	25.6	658	6.82	14.4	.2	9.1	1.3	44	.1	.8	.1	159	.87	.102	21	77.1	.35	328	.072	8	1.98	.012	.18	.1	.05	13.4	.1	.17	6	<.5	15.0
300S 50E	.8	27.8	10.5	130	<.1	31.6	30.3	2166	3.83	6.4	.3	<.5	1.2	40	.3	.1	.1	76	.58	.111	25	82.8	1.00	255	.055	3	2.71	.010	.17	.1	.04	8.1	.1	<.05	10	<.5	30.0
300S 75E	.8	33.0	15.8	98	.1	26.5	28.0	1752	3.25	6.0	.6	1.0	.9	102	.4	.1	.1	80	1.20	.128	13	69.5	1.20	401	.186	3	3.24	.009	.27	.1	.09	5.9	.1	.09	9	.8	30.0
300S 100E	.4	31.2	7.1	98	.1	31.0	15.9	697	3.61	2.9	.7	.5	1.2	56	.1	.1	.1	88	.98	.086	14	97.2	1.40	322	.229	3	3.17	.011	.18	.1	.02	7.7	<.1	<.05	10	<.5	15.0
400S 100W	.5	33.2	5.5	77	.2	29.5	14.8	657	4.00	9.2	.3	2.4	1.1	31	.1	.3	.1	102	.50	.076	21	45.6	.19	106	.031	5	1.19	.008	.09	<.1	.02	8.5	<.1	<.05	4	<.5	15.0
400S 75W	.5	52.2	3.0	81	<.1	66.3	16.1	316	5.60	6.7	.3	.5	1.6	38	<.1	.3	<.1	146	.58	.085	29	96.5	.31	101	.019	5	1.60	.009	.10	.1	.01	17.1	<.1	<.05	5	<.5	15.0
400S 50W	.6	13.2	3.3	65	<.1	26.6	6.1	200	3.20	7.4	.2	11.9	.9	32	<.1	.1	.1	112	.27	.091	15	52.7	.09	115	.018	6	.96	.010	.04	.1	.01	7.1	<.1	<.05	4	<.5	15.0
400S 25W	.4	32.6	4.6	98	.1	48.8	16.4	516	4.47	6.7	.4	2.3	1.5	36	.1	.3	.1	118	.71	.156	21	67.0	.30	183	.025	4	1.47	.010	.12	<.1	.03	12.8	.1	.06	7	<.5	30.0
400S 25E	2.0	64.3	10.5	184	.3	106.2	32.5	1632	6.46	25.9	.3	14.8	1.3	90	.3	1.5	.1	165	.95	.165	20	92.4	.31	423	.065	10	1.82	.011	.33	.1	.04	15.2	.2	<.05	5	<.5	30.0
400S 50E	1.0	23.6	7.4	81	.1	29.7	17.0	1101	3.24	3.4	.3	<.5	.8	45	.2	.2	.1	74	.79	.079	19	56.5	.90	161	.044	4	2.00	.012	.20	.1	.04	6.7	<.1	<.05	6	<.5	15.0
400S 75E	.6	28.9	11.7	92	.1	27.1	17.8	2034	3.30	5.7	.6	1.3	1.5	57	.3	.1	.1	78	.83	.110	11	73.9	.77	255	.157	3	3.49	.011	.18	.1	.06	7.7	.1	<.05	10	<.5	30.0
400S 100E	.3	19.0	5.4	74	.1	24.4	10.1	590	2.65	1.7	.5	.6	1.3	60	.1	.1	.1	57	.80	.174	9	57.9	.51	178	.140	6	2.48	.023	.16	.1	.02	5.9	<.1	<.05	8	<.5	30.0
500S 100W	.6	27.1	5.2	62	.1	45.8	16.9	346	4.73	5.1	.3	1.2	1.4	36	.1	.2	.1	112	.49	.049	21	57.7	.19	140	.032	3	1.16	.009	.09	.1	.04	10.4	<.1	<.05	4	<.5	30.0
500S 75W	.6	30.7	3.9	91	.1	44.5	15.1	731	3.43	3.7	.3	<.5	1.3	56	.2	.3	.1	80	.74	.086	14	66.5	.63	148	.105	2	1.97	.027	.15	<.1	.03	8.8	<.1	<.05	6	<.5	30.0
500S 50W	.7	49.3	6.4	98	.1	65.3	21.2	566	5.88	10.8	.3	2.7	1.5	56	.1	.6	.1	155	.71	.093	28	70.4	.29	337	.034	6	1.33	.011	.08	.1	.04	17.0	.1	.08	4	.6	15.0
500S 25W	.4	21.1	5.7	84	.1	40.8	11.8	351	3.97	5.7	.3	67.5	1.4	34	.1	.8	.1	91	.57	.084	19	47.6	.22	151	.052	5	1.37	.014	.10	.1	.05	10.0	.1	<.05	5	<.5	15.0
500S 25E	1.0	41.8	6.4	115	.1	54.7	23.1	1271	5.52	16.4	.2	3.3	1.0	55	.2	1.4	.1	120	.70	.133	13	63.1	.22	243	.023	7	1.13	.008	.36	.1	.05	10.4	.1	<.05	4	<.5	30.0
500S 50E	.7	15.8	3.9	46	.1	19.2	9.1	432	2.58	3.1	.3	.8	1.1	43	.1	.3	.1	80	.50	.039	10	39.8	.33	100	.150	1	1.04	.020	.17	.1	.02	5.6	<.1	<.05	3	<.5	30.0
500S 75E	.5	18.0	3.8	43	.1	23.3	11.2	570	2.56	2.1	.5	16.3	1.1	42	.1	.2	.1	64	.60	.033	13	45.1	.51	108	.117	2	1.32	.019	.19	<.1	.04	5.6	<.1	<.05	4	<.5	15.0
500S 100E	.5	19.8	3.5	44	.1	23.5	11.4	548	2.67	2.0	.6	<.5	1.2	59	.1	.2	.1	58	.90	.034	15	56.5	.72	116	.102	3	1.45	.016	.19	<.1	.03	6.7	<.1	<.05	5	.6	7.5
RE 500S 100E	.5	23.0	3.9	51	.1	23.4	11.6	537	2.59	1.8	.5	.7	1.2	59	.1	.2	.1	59	.85	.035	16	60.2	.76	114	.110	<1	1.51	.016	.20	.1	.03	6.8	<.1	<.05	6	<.5	7.5
600S 100W	.5	21.1	4.3	71	.1	26.1	9.6	427	3.05	3.0	.3	<.5	1.2	36	.1	.3	.1	76	.43	.044	14	39.7	.29	92	.125	2	1.21	.016	.16	.1	.02	6.2	.1	<.05	4	<.5	30.0
600S 75W	.3	31.1	3.9	70	.1	37.2	13.2	375	4.13	5.4	.4	<.5	1.3	31	.1	.3	.1	93	.42	.066	17	54.1	.38	91	.045	1	1.44	.013	.11	.1	.02	8.8	<.1	<.05	6	<.5	30.0
600S 50W	.4	38.0	6.3	106	<.1	54.2	26.0	1088	5.80	9.0	.2	6.8	1.3	24	.2	.3	.1	122	.63	.120	23	65.6	.26	77	.008	4	.96	.007	.13	<.1	.03	13.2	<.1	<.05	5	<.5	15.0
600S 25W	.5	35.3	4.0	59	.1	43.3	16.5	514	4.40	5.3	.3	4.0	1.3	28	.1	.2	.1	108	.41	.078	26	42.8	.20	113	.025	2	1.00	.007	.12	.1	.04	9.4	.1	<.05	3	<.5	15.0
600S 25E	.7	32.1	4.0	79	.1	36.7	16.9	878	4.89	9.9	.3	2.0	1.1	42	.1	.4	.1	89	.52	.090	15	58.1	.37	152	.036	5	1.47	.013	.17	<.1	.02	10.5	.1	<.05	5	<.5	15.0
600S 50E	.6	33.9	3.6	85	<.1	32.1	13.8	746	3.69	4.2	.4	1.0	1.1	46	.1	.3	.1	71	.67	.102	17	46.8	.33	204	.050	5	1.44	.014	.22	.1	.03	7.5	<.1	<.05	5	<.5	30.0
600S 75E	.5	22.7	4.3	53	.1	25.2	12.2	619	2.94	3.1	.5	2.4	1.2	43	.1	.2	.1	78	.55	.042	12	43.9	.44	97	.141	1	1.36	.024	.22	<.1	.02	6.5	<.1	<.05	5	<.5	15.0
600S 100E	.6	19.7	4.1	51	<.1	23.8	10.3	501	2.82	2.4	.5	.6	1.3	42	.1	.2	.1	76	.52	.040	13	47.2	.49	99	.160	5	1.64	.023	.23	<.1	.01	6.3	.1	<.05	5	<.5	15.0
700S 100W	.4	15.9	4.1	60	.1	23.7	9.5	472	2.68	1.9	.3	3.1	1.2	36	.1	.1	.1	64	.54	.043	12	41.7	.65	114	.113	1	1.63	.018	.09	<.1	.02	5.8	<.1	<.05	6	<.5	30.0
700S 75W	.5	23.0	4.7	64	.1	26.4	10.4	545	3.14	2.0	.5	.9	1.4	49	.1	.2	.1	78	.80	.039	19	48.8	.58	103	.118	2	1.94	.019	.18	<.1	.03	7.4	<.1	<.05	7	<.5	15.0
700S 50W	.5	32.9	3.8	76	<.1	41.4	14.6	578	4.03	3.7	.4	.6	1.2	39	.1	.2	.1	96	.58	.092	20	57.1	.63	122	.051	2	1.80	.013	.17	<.1	.01	8.3	.1	<.05	7	<.5	30.0
700S 25W	.3	39.8	5.1	98	.1	64.8	22.1	940	5.63	4.1	.2	1.4	1.5	31	.2	.1	.1	114	.95	.126	29	92.7	.56	160	.014	10	1.48	.010	.26	.1	.03	15.7	.1	<.05	8	<.5	15.0
STANDARD DS6	11.6	125.9	29.4	136	.3	24.5	11.2	721	2.89	22.5	6.4	47.8	2.9	37	6.2	3.6	4.9	56	.87	.083	13	176.9	.55	172	.074	17	1.83	.068	.17	3.4	.23	3.2	1.8	<.05	6	4.5	30.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.8	2.5	1.9	40	<.1	4.2	4.3	505	1.83	<.5	1.5	<.5	3.5	73	<.1	<.1	.1	41	.46	.080	6	13.6	.53	240	.122	2	.92	.062	.50	1.6	<.01	2.0	.3	<.05	5	<.5	30.0
700S 25E	.4	25.2	3.5	55	<.1	25.5	10.8	440	3.34	3.7	.4	5.3	1.3	51	<.1	.3	.1	90	.57	.054	13	52.5	.40	136	.136	4	1.53	.027	.16	<.1	.01	8.0	<.1	<.05	4	<.5	30.0
700S 50E	.5	25.2	5.0	69	<.1	27.5	12.5	752	3.35	3.3	.4	<.5	1.2	48	.1	.3	.1	90	.58	.055	14	51.8	.42	129	.115	3	1.44	.022	.22	.1	.02	7.4	<.1	<.05	4	<.5	30.0
700S 75E	.5	27.6	3.5	50	.1	30.7	13.0	558	3.47	3.3	.4	1.1	1.2	42	<.1	.3	.1	84	.52	.041	15	49.8	.45	100	.115	2	1.53	.024	.19	.1	.02	7.8	<.1	.07	5	<.5	30.0
700S 100E	.6	25.7	4.0	60	<.1	27.1	13.0	640	3.37	3.4	.5	<.5	1.3	51	.1	.2	.1	89	.53	.060	13	52.1	.48	98	.140	4	1.48	.027	.19	.1	.01	7.5	<.1	<.05	4	<.5	30.0
800S 100W	.3	29.8	4.1	62	.1	30.2	13.7	572	3.38	4.1	.5	1.1	1.4	53	.1	.3	.1	93	.58	.060	15	49.9	.54	121	.135	3	1.65	.025	.18	<.1	.02	8.1	<.1	<.05	6	<.5	30.0
800S 75W	.4	30.1	5.6	62	.1	27.9	15.7	1047	3.32	2.9	.6	<.5	1.6	59	.2	.2	.1	80	.96	.070	14	48.9	.61	191	.138	5	1.96	.023	.26	.1	.02	8.1	<.1	<.05	7	<.5	15.0
800S 50W	.4	28.0	5.0	46	.1	27.5	13.3	746	3.15	2.9	.3	1.5	1.6	67	.1	.2	.1	71	.87	.029	17	48.5	.71	154	.103	7	1.83	.023	.20	<.1	.02	8.0	<.1	<.05	6	<.5	15.0
800S 25W	.5	18.8	4.8	50	.1	24.1	11.6	678	2.68	2.0	.3	1.1	1.2	55	.1	.2	.1	70	.63	.044	12	43.0	.55	129	.120	2	1.35	.022	.20	.1	.02	5.8	<.1	<.05	4	<.5	15.0
800S 25E	.4	24.9	3.9	74	.1	27.3	11.8	584	3.10	3.0	.5	<.5	1.3	66	.1	.2	.1	92	.54	.048	14	52.1	.49	113	.176	3	1.58	.027	.24	<.1	.02	7.5	<.1	<.05	5	<.5	30.0
800S 50E	.4	23.7	3.9	56	<.1	29.2	12.7	614	3.13	2.5	.5	6.2	1.3	53	<.1	.2	<.1	84	.54	.052	12	53.8	.49	101	.131	4	1.58	.025	.27	.1	.01	6.7	<.1	<.05	4	<.5	30.0
800S 75E	.5	24.0	4.1	69	.1	27.6	13.9	759	2.95	2.7	.5	<.5	1.3	65	.1	.2	.1	76	.62	.050	14	51.9	.53	133	.129	4	1.69	.022	.23	.1	.01	7.0	<.1	<.05	5	<.5	30.0
800S 100E	.5	24.1	3.9	60	<.1	28.5	11.8	711	3.00	2.8	.4	<.5	1.2	49	.1	.2	<.1	82	.59	.056	13	53.7	.42	99	.124	2	1.37	.024	.16	<.1	.01	7.4	<.1	<.05	5	<.5	7.5
RE 800S 100E	.5	22.7	3.9	58	.1	26.1	11.2	626	2.98	2.7	.5	1.0	1.2	53	.1	.2	<.1	84	.57	.056	13	54.7	.44	102	.137	3	1.65	.025	.15	.1	.02	7.3	<.1	<.05	4	<.5	7.5
STANDARD DS6	11.5	123.1	28.6	141	.3	24.1	10.7	702	2.88	21.3	6.5	46.9	2.8	36	5.9	3.4	4.7	53	.85	.085	12	188.3	.57	164	.073	18	1.86	.067	.16	3.7	.23	3.2	1.6	<.05	6	4.5	30.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-1 File # A504645 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.0	2.9	3.3	46	<.1	8.1	4.2	512	1.82	.5	2.0	<.5	4.2	71	<.1	<.1	.1	36	.53	.077	8	106.3	.61	231	.125	1	1.32	.192	.67	.3	<.01	7.3	.4	<.05	5	<.5
15000N 6000E	.3	20.8	3.6	53	<.1	23.5	10.7	408	2.98	2.2	.5	1.5	1.5	84	.1	.2	.1	85	.66	.037	12	43.1	.62	74	.142	1	1.43	.029	.18	<.1	.18	6.9	<.1	<.05	4	<.5
15000N 6050E	.4	12.5	4.5	37	<.1	14.2	7.5	281	2.19	.9	.4	<.5	1.2	48	<.1	.1	.1	65	.40	.012	6	32.7	.38	64	.147	<1	1.21	.033	.07	<.1	.03	4.6	<.1	.06	3	<.5
15000N 6100E	.5	27.9	5.2	56	.1	26.0	11.6	799	2.97	1.7	.9	.8	1.7	90	.1	.2	.1	78	.90	.033	18	44.1	.67	105	.146	2	2.18	.031	.14	<.1	.05	7.5	<.1	<.05	5	<.5
15000N 6150E	.5	12.6	4.2	58	<.1	13.4	6.5	405	2.15	.7	.3	1.1	1.1	46	<.1	.1	.1	63	.36	.036	4	30.6	.36	78	.161	1	1.13	.024	.15	<.1	.03	4.2	<.1	<.05	3	<.5
15000N 6200E	.4	10.9	5.5	99	<.1	17.7	7.3	702	2.16	1.1	.3	1.0	1.3	50	.1	.1	.1	58	.34	.048	4	31.8	.35	108	.177	<1	2.02	.020	.12	<.1	.02	4.1	<.1	<.05	5	<.5
15000N 6250E	.4	13.3	6.0	63	<.1	17.9	7.2	466	2.29	.9	.4	1.1	1.6	65	.1	.1	.1	60	.37	.036	6	31.6	.43	92	.170	2	1.75	.021	.10	<.1	.07	4.7	<.1	<.05	4	<.5
15000N 6300E	.4	12.8	5.2	60	<.1	18.6	7.4	353	2.54	.6	.4	<.5	1.5	67	.1	.1	.1	74	.40	.028	5	38.8	.40	86	.208	1	1.84	.027	.12	<.1	.03	5.1	<.1	<.05	4	<.5
15000N 6350E	.3	19.1	4.2	60	<.1	24.7	10.2	388	3.27	1.0	.5	1.2	2.0	90	.1	.1	.1	97	.58	.033	13	47.5	.60	68	.215	1	1.94	.034	.13	<.1	.06	8.8	<.1	<.05	5	<.5
15000N 6400E	.4	15.5	3.6	37	.1	17.9	7.6	281	2.55	1.3	.4	.6	1.4	97	.1	.1	.1	74	.79	.044	9	39.9	.40	63	.199	3	1.32	.044	.24	<.1	.03	5.7	<.1	<.05	4	<.5
15000N 6450E	.4	22.0	4.8	81	.1	26.8	11.9	724	2.98	1.0	.4	.6	1.7	105	.1	.1	.1	79	.94	.112	8	44.6	.60	105	.149	5	1.92	.035	.21	<.1	.03	7.6	<.1	.07	5	<.5
15000N 6500E	.3	23.6	4.1	58	.1	23.4	11.9	569	3.10	1.8	.4	.8	1.0	90	.1	.1	<.1	86	.89	.096	9	38.8	.78	94	.145	4	1.86	.031	.11	<.1	.05	6.2	<.1	<.05	5	<.5
15000N 6550E	.3	13.0	3.7	110	.1	13.7	6.3	579	2.39	1.5	.2	.8	.7	45	<.1	.1	.1	59	.35	.095	4	27.8	.29	142	.141	1	1.64	.023	.13	<.1	.01	3.8	<.1	<.05	4	<.5
15000N 6600E	.3	14.0	4.7	71	<.1	17.9	7.5	544	2.26	.8	.3	<.5	1.0	72	.1	.1	.1	55	.47	.091	4	32.0	.44	134	.163	4	1.94	.024	.15	<.1	.02	4.0	<.1	<.05	5	<.5
15000N 6650E	.4	13.3	5.2	67	<.1	16.5	7.7	449	2.61	.7	.4	.5	1.4	78	.1	.1	.1	69	.42	.045	4	36.3	.45	111	.201	1	1.66	.026	.16	<.1	.02	5.0	<.1	<.05	5	<.5
15000N 6700E	.4	11.1	4.8	65	.1	14.2	5.3	293	2.26	.8	.3	<.5	1.1	67	.1	.1	.1	63	.40	.050	3	31.8	.34	74	.185	2	1.68	.022	.19	<.1	.02	3.9	<.1	<.05	4	<.5
15000N 6750E	.2	14.1	4.0	34	<.1	16.1	8.1	269	2.66	1.0	.3	<.5	1.1	88	<.1	.1	.1	75	.43	.039	7	35.8	.38	84	.188	2	1.53	.033	.11	<.1	.03	5.0	<.1	<.05	4	<.5
15000N 6800E	.4	48.5	4.7	39	.2	25.0	9.4	425	2.60	1.4	.2	18.3	1.2	140	.1	.1	.1	58	1.52	.038	17	37.8	.89	101	.122	12	2.18	.031	.09	<.1	.04	6.7	<.1	.07	6	<.5
15000N 6850E	.4	17.9	4.2	36	.1	19.0	9.5	420	2.60	.9	.3	7.7	1.4	106	.1	.1	.1	80	.71	.016	9	39.4	.44	90	.204	5	1.56	.046	.10	<.1	.03	5.8	<.1	<.05	4	<.5
15000N 6900E	.3	26.3	4.0	46	.1	24.1	10.6	520	2.94	1.7	.3	<.5	1.4	124	.1	.1	.1	84	1.06	.046	11	39.9	.64	78	.197	5	1.89	.042	.12	<.1	.03	6.6	<.1	<.05	5	<.5
15000N 6950E	.4	26.4	4.3	44	.1	21.9	9.7	541	2.55	1.7	.3	<.5	1.0	135	.1	.1	.1	68	1.26	.049	11	36.4	.56	74	.150	7	1.69	.033	.13	<.1	.04	5.7	<.1	<.05	4	<.5
14800N 6000E	.3	17.3	4.0	49	<.1	21.2	9.4	356	3.07	1.4	.4	.6	1.5	70	.1	.2	.1	88	.49	.037	8	45.5	.59	69	.195	1	1.63	.033	.09	<.1	.06	7.2	<.1	<.05	5	<.5
14800N 6050E	.3	13.3	4.7	57	<.1	17.3	8.0	344	2.72	1.2	.3	<.5	1.1	56	<.1	.1	.1	82	.40	.056	4	39.6	.41	76	.204	<1	1.54	.028	.14	<.1	.03	4.7	<.1	<.05	4	<.5
14800N 6100E	.4	15.3	4.8	59	<.1	16.4	7.9	581	2.62	1.2	.3	3.4	1.0	73	.1	.1	.1	79	.52	.058	4	37.5	.41	97	.224	1	1.43	.030	.14	<.1	.04	4.6	<.1	<.05	4	<.5
14800N 6150E	.4	16.9	3.9	61	<.1	19.6	9.0	454	2.79	1.2	.4	3.2	1.4	68	.1	.1	<.1	78	.48	.046	7	42.7	.51	80	.175	1	1.42	.031	.15	<.1	.04	6.3	<.1	<.05	4	<.5
14800N 6200E	.3	21.6	4.5	44	.1	18.3	8.4	465	2.86	1.3	.5	1.7	1.3	84	.1	.1	.1	76	.81	.031	10	38.4	.45	75	.165	2	1.79	.033	.09	<.1	.04	5.6	<.1	<.05	5	<.5
14800N 6250E	.3	14.4	4.8	68	.1	19.5	7.2	323	2.57	1.5	.3	.9	1.3	62	.1	.1	.1	68	.44	.070	4	38.5	.43	94	.179	<1	2.08	.022	.15	<.1	.04	4.7	<.1	<.05	6	<.5
RE 14800N 6250E	.3	14.9	5.0	73	.1	19.6	7.2	320	2.61	1.5	.4	.6	1.3	64	.1	.1	.1	66	.45	.072	4	37.9	.43	96	.182	1	2.17	.024	.16	<.1	.09	4.6	<.1	<.05	6	<.5
14800N 6300E	.3	16.2	4.1	61	.1	19.1	8.8	451	2.92	1.6	.4	<.5	1.2	78	.1	.1	.1	78	.50	.077	5	40.0	.54	103	.160	1	1.93	.026	.12	<.1	.04	5.6	<.1	<.05	5	<.5
14800N 6350E	.3	24.4	3.8	81	.1	35.5	15.2	816	3.22	2.3	.5	5.4	1.1	82	.1	.1	<.1	63	.76	.188	12	38.8	1.10	251	.048	1	2.56	.013	.16	<.1	.05	6.6	<.1	<.05	8	<.5
14800N 6400E	.3	15.4	4.7	48	.1	14.1	8.0	418	2.66	1.4	.4	<.5	1.1	60	<.1	.1	.1	74	.53	.033	7	34.0	.44	94	.169	1	1.59	.029	.12	<.1	.03	4.7	<.1	<.05	5	<.5
14800N 6450E	.3	22.6	3.5	56	.1	24.0	10.2	323	3.46	2.2	.5	.8	1.4	89	.1	.1	<.1	100	.56	.060	9	44.2	.70	87	.163	1	2.00	.028	.13	<.1	.12	7.6	<.1	<.05	6	<.5
14800N 6500E	.3	13.2	4.4	49	.1	14.8	7.3	259	2.87	1.4	.3	<.5	1.1	52	.1	.1	.1	74	.40	.026	4	36.3	.37	75	.171	2	1.22	.024	.13	<.1	.03	4.4	<.1	<.05	4	<.5
14800N 6550E	.4	16.7	3.8	72	<.1	24.6	9.6	417	3.06	2.1	.3	<.5	1.2	81	.1	.2	.1	83	.60	.051	8	43.1	.56	131	.165	2	1.66	.030	.15	<.1	.03	6.3	<.1	<.05	5	<.5
14800N 6600E	.4	17.6	4.3	60	.1	24.2	9.6	782	2.42	1.8	.4	<.5	1.1	75	.1	.1	.1	58	.54	.206	7	40.3	.58	191	.134	3	1.98	.022	.09	<.1	.03	4.8	<.1	<.05	6	<.5
STANDARD DS6	11.3	125.4	29.6	146	.3	24.2	11.0	688	2.89	21.0	6.6	48.2	2.9	38	6.1	3.5	4.9	55	.82	.075	13	182.9	.58	163	.077	17	1.95	.074	.15	3.6	.23	3.3	1.7	<.05	6	4.1

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____ DATE RECEIVED: AUG 16 2005 DATE REPORT MAILED: Sept 3/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
14800N 6650E	.4	14.5	4.8	80	.1	75.3	21.0	632	3.83	2.2	.4	<.5	.9	31	.1	.2	.1	93	.61	.071	7	156.3	2.22	64	.281	2	2.86	.012	.05	.1	.02	8.0	<.1	<.05	11	<.5
14800N 6700E	.3	16.6	5.3	66	.1	48.5	14.7	620	2.91	2.8	.6	1.4	1.2	87	.1	.3	.1	75	.81	.096	8	90.6	1.87	88	.301	3	2.95	.014	.09	.1	.02	7.0	<.1	<.05	10	<.5
14800N 6750E	.3	23.7	4.8	77	.1	67.1	20.3	647	3.99	1.8	.6	56.5	1.1	46	.1	.3	.1	96	.91	.066	11	126.6	2.99	58	.352	1	3.56	.014	.09	.1	.02	8.5	<.1	<.05	13	<.5
14800N 6800E	.4	9.1	3.6	75	<.1	20.3	6.3	475	1.43	1.2	.3	2.2	.8	54	.2	.1	.1	37	.50	.081	4	31.4	.71	74	.139	3	1.62	.015	.07	.1	.02	3.2	<.1	<.05	6	<.5
14800N 6850E	.3	13.0	4.1	93	.1	30.4	9.1	482	2.13	1.0	.3	1.1	1.1	72	.1	.1	.1	46	.57	.187	6	31.4	1.05	113	.130	4	2.57	.016	.08	.1	.03	3.6	<.1	<.05	8	<.5
14800N 6900E	.5	20.3	5.5	68	.1	25.5	11.8	808	2.96	1.5	.6	<.5	1.5	71	.2	.1	.1	92	.66	.041	13	50.3	.77	97	.218	1	2.30	.027	.15	.1	.02	7.5	<.1	<.05	7	<.5
14800N 6950E	.3	22.9	4.8	47	.1	25.2	8.8	439	2.66	1.3	.5	1.6	1.2	66	.1	.2	.1	80	.71	.036	11	46.1	.55	73	.207	2	2.08	.028	.10	.1	.03	5.2	<.1	<.05	6	<.5
14800N 7000E	.5	36.6	7.5	91	.1	69.1	20.7	1584	3.56	3.1	.6	.9	1.8	181	.2	.1	.1	74	.95	.110	13	68.4	1.46	100	.167	2	5.22	.017	.15	.1	.05	8.5	.1	<.05	15	<.5
RE 14800N 7000E	.4	37.1	7.8	95	.1	66.3	21.3	1611	3.59	3.1	.6	.8	1.7	189	.2	.1	.1	77	1.00	.113	13	70.1	1.56	104	.168	2	5.65	.018	.16	.1	.05	8.5	.1	<.05	15	<.5
14600N 6000E	.5	11.4	4.2	71	.1	8.5	4.2	573	1.90	.7	.2	1.0	.5	39	.1	.1	.1	57	.28	.038	2	31.2	.21	98	.140	1	1.12	.031	.09	<.1	.03	2.8	<.1	<.05	4	<.5
14600N 6050E	.5	10.6	5.9	77	<.1	14.9	6.7	535	2.37	1.4	.3	<.5	.9	53	<.1	.2	.1	63	.33	.053	2	34.6	.42	119	.160	1	2.16	.020	.09	<.1	.03	3.5	<.1	<.05	6	<.5
14600N 6100E	.4	12.0	5.6	60	.1	16.1	7.3	254	2.40	1.4	.3	1.1	1.1	50	.1	.3	.1	65	.34	.047	3	42.4	.53	97	.183	1	1.79	.021	.07	<.1	.03	4.2	<.1	<.05	6	<.5
14600N 6150E	.6	17.0	5.1	87	.1	23.3	10.7	751	3.07	2.1	.4	1.6	1.4	78	.1	.2	.1	85	.60	.068	6	52.8	.72	117	.173	2	2.11	.025	.23	.1	.04	6.6	<.1	<.05	6	<.5
14600N 6200E	.4	22.5	4.5	53	.1	26.6	12.5	654	3.32	1.8	.5	.7	1.5	113	.1	.2	.1	90	.77	.064	12	57.0	.86	174	.161	4	2.37	.036	.14	<.1	.03	7.4	<.1	<.05	7	<.5
14600N 6250E	.4	13.5	4.3	72	.1	18.3	8.4	476	2.73	1.3	.3	.8	1.1	46	.1	.1	.1	77	.43	.049	5	42.7	.55	144	.154	2	1.82	.024	.15	<.1	.03	5.0	<.1	<.05	5	<.5
14600N 6300E	.5	19.2	4.8	57	.1	26.6	11.0	523	3.20	1.9	.5	9.0	1.3	93	.1	.1	.1	88	.67	.068	9	49.8	.76	127	.165	5	2.21	.034	.13	<.1	.03	6.2	<.1	<.05	7	<.5
14600N 6350E	.4	15.3	4.5	49	.1	19.9	8.8	355	3.01	1.3	.4	<.5	1.1	63	.1	.1	.1	86	.54	.035	8	44.9	.61	75	.176	1	1.81	.033	.07	<.1	.03	5.5	<.1	<.05	6	<.5
14600N 6400E	.4	17.3	4.6	66	<.1	33.6	11.3	376	3.67	2.1	.5	.5	1.2	54	.1	.2	.1	103	.46	.039	5	61.9	.93	109	.218	1	2.28	.022	.08	<.1	.03	6.3	<.1	<.05	8	<.5
14600N 6450E	.4	14.8	4.2	87	<.1	23.9	8.4	351	3.19	2.8	.3	2.7	.9	33	<.1	.2	.1	85	.34	.041	4	55.4	.54	107	.141	2	1.49	.023	.06	<.1	.03	3.9	<.1	<.05	5	<.5
14600N 6500E	.4	25.5	3.5	96	<.1	48.0	12.0	376	4.46	20.0	.3	<.5	1.5	33	.1	.4	.1	98	.48	.085	17	70.4	.24	137	.021	7	1.80	.011	.12	.1	.02	11.0	<.1	<.05	6	<.5
14600N 6550E	.5	14.5	5.0	91	<.1	30.8	8.8	413	3.18	3.6	.3	6.6	.9	33	.1	.3	.1	91	.40	.028	9	43.6	.37	210	.126	2	1.68	.021	.05	<.1	.03	5.2	<.1	<.05	5	<.5
14600N 6600E	.4	24.9	4.1	129	.1	36.1	10.8	775	3.50	9.5	.3	.5	1.3	41	.1	.3	.1	69	.56	.106	14	57.7	.40	143	.091	5	2.02	.017	.19	<.1	.02	9.3	<.1	<.05	6	<.5
14600N 6650E	.5	38.0	5.5	94	.1	29.5	12.3	1100	2.96	5.8	.5	.5	1.0	84	.8	.3	.1	67	1.54	.191	17	69.5	.84	187	.052	6	2.12	.012	.16	.1	.05	7.7	<.1	<.05	7	<.5
14600N 6700E	.3	16.5	5.3	83	.1	38.7	11.9	610	2.54	2.2	.4	4.4	1.0	70	.4	.2	.1	74	.56	.087	6	45.5	1.05	109	.232	2	3.04	.016	.09	.1	.02	5.2	<.1	<.05	9	<.5
14600N 6750E	.2	8.8	4.0	61	<.1	20.0	6.8	303	1.94	.9	.3	<.5	.6	27	.1	.1	.1	54	.31	.029	3	34.5	.66	73	.170	1	2.01	.018	.06	<.1	.01	3.9	<.1	<.05	6	<.5
14600N 6800E	.3	26.1	5.3	83	.1	43.6	16.3	567	3.71	2.1	.9	25.1	1.3	60	.1	.2	.1	99	1.07	.084	10	113.4	1.57	87	.317	4	3.92	.014	.17	.1	.02	9.5	<.1	<.05	13	<.5
14600N 6850E	.3	25.2	9.7	106	.1	39.6	14.6	1276	3.07	2.1	.7	3.4	1.3	65	.2	.2	.1	79	.89	.100	11	80.4	1.38	139	.255	6	3.52	.019	.19	.1	.04	7.6	.1	<.05	11	<.5
14600N 6900E	.4	32.7	6.8	91	.1	42.8	14.7	1535	2.46	3.8	.4	12.8	1.2	247	.2	.2	.1	53	1.55	.237	10	61.8	1.07	150	.139	10	3.24	.016	.20	.1	.09	5.3	.1	<.05	9	<.5
14600N 6950E	.4	20.3	4.2	46	.1	23.4	8.5	351	2.80	1.8	.4	7.2	1.1	74	.1	.1	.1	89	.72	.087	7	48.2	.59	74	.189	2	1.94	.030	.12	<.1	.03	5.2	<.1	<.05	5	<.5
14600N 7000E	.5	18.8	6.5	89	<.1	30.8	12.6	1364	3.16	1.5	.5	<.5	1.4	67	.2	.2	.1	103	.62	.051	10	63.9	.65	140	.248	2	2.52	.016	.12	<.1	.03	6.7	.1	<.05	7	<.5
14400N 6000E	.3	20.4	4.4	95	.1	29.2	12.9	615	3.16	2.0	.6	2.0	1.5	86	.1	.2	.1	79	.60	.088	10	63.8	1.04	115	.148	3	2.41	.023	.23	<.1	.03	6.7	<.1	<.05	7	<.5
14400N 6050E	.3	17.1	5.6	72	.1	22.3	9.2	424	2.92	2.4	.7	.6	1.6	62	<.1	.2	.1	84	.56	.047	10	50.9	.68	123	.187	3	2.21	.034	.10	<.1	.03	6.3	<.1	<.05	6	<.5
14400N 6100E	.3	14.7	5.4	75	.1	27.2	16.2	523	3.81	3.1	.7	1.2	1.5	68	.1	.1	.1	118	.68	.041	8	68.2	1.56	89	.346	3	2.56	.015	.08	.1	.01	10.2	<.1	<.05	8	<.5
14400N 6150E	.3	15.6	5.0	92	<.1	28.5	16.3	521	3.92	1.9	.5	.9	1.2	43	.1	.1	.1	110	.56	.044	5	71.7	1.63	105	.235	<1	2.59	.018	.12	<.1	.01	8.5	<.1	<.05	9	<.5
STANDARD DS6	11.8	124.7	29.7	149	.3	24.9	10.7	708	2.78	21.3	6.8	46.5	3.1	37	6.2	3.8	5.1	56	.84	.085	14	181.4	.61	169	.074	15	2.03	.076	.16	3.7	.24	3.5	1.7	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
14400N 6200E	.3	11.7	4.0	116	.1	18.1	9.8	652	2.49	1.3	.3	1.0	1.0	36	.1	.1	.1	69	.61	.069	6	35.8	.93	166	.086	1	2.11	.016	.13	<.1	.01	4.5	<.1	<.05	7	<.5
14400N 6250E	.3	8.0	4.1	96	.1	10.6	5.2	421	2.24	1.5	.2	.9	.7	43	.2	.1	.1	62	.37	.057	3	31.5	.36	101	.141	<1	1.59	.025	.10	<.1	.02	3.2	<.1	<.05	4	<.5
14400N 6300E	.3	16.6	4.0	74	.1	24.2	10.2	587	3.11	1.8	.5	.7	1.3	71	.1	.1	.1	92	.62	.051	9	44.7	.90	108	.200	<1	2.65	.024	.09	<.1	.03	7.2	<.1	<.05	7	<.5
14400N 6350E	.3	10.4	4.5	95	<.1	21.4	8.0	581	2.29	1.0	.3	.8	.7	30	.2	.1	.1	60	.39	.077	4	42.6	.75	117	.104	1	2.05	.016	.09	<.1	.02	4.0	<.1	<.05	7	<.5
14400N 6400E	.3	15.6	4.6	80	<.1	28.7	10.5	526	3.04	2.2	.4	2.1	1.1	41	.1	.1	.1	74	.48	.052	6	60.3	.98	99	.112	1	2.25	.016	.13	<.1	.03	4.9	<.1	<.05	8	<.5
14400N 6450E	.5	15.3	3.2	80	<.1	20.2	5.7	249	2.75	8.7	.2	4.2	.7	22	.1	.2	.1	67	.34	.069	4	51.5	.15	107	.019	2	.96	.008	.09	<.1	.01	3.7	<.1	<.05	4	<.5
14400N 6500E	1.4	18.7	4.6	57	<.1	32.9	11.4	266	4.06	19.2	.2	1.0	.6	26	.1	.5	.1	103	.19	.036	5	50.4	.20	81	.040	1	.97	.010	.05	<.1	.02	3.7	<.1	<.05	3	<.5
14400N 6550E	1.0	29.4	4.0	80	.1	39.4	15.3	357	5.07	9.8	.4	6.2	1.7	30	.1	.2	<.1	120	.54	.095	36	47.5	.48	175	.010	3	1.89	.009	.09	<.1	.03	14.9	<.1	<.05	6	<.5
14400N 6600E	.5	18.5	5.5	47	.1	23.2	10.2	568	2.66	2.3	.4	1.0	1.1	69	.1	.1	.1	69	.95	.043	11	43.0	.74	107	.134	3	2.37	.022	.13	.1	.05	5.8	<.1	<.05	6	<.5
14400N 6650E	.3	21.0	6.7	102	.1	30.9	17.5	940	3.43	3.3	.6	1.7	1.2	62	.2	.1	.1	103	.83	.064	12	43.7	1.64	77	.274	1	3.73	.014	.12	<.1	.04	8.6	<.1	<.05	13	<.5
14400N 6700E	.4	27.8	11.3	148	.1	34.1	21.3	2344	4.03	4.3	.7	9.8	1.4	80	.4	.3	.1	104	1.35	.119	18	55.9	2.17	141	.244	1	4.28	.009	.18	<.1	.05	10.2	<.1	<.05	13	<.5
14400N 6750E	.3	30.2	5.8	100	.1	60.7	19.8	1040	4.17	3.5	.6	4.5	1.6	86	.2	.2	.1	107	.81	.082	14	85.3	2.01	104	.244	1	3.64	.018	.24	<.1	.05	9.5	<.1	<.05	12	<.5
14400N 6800E	.3	21.1	5.1	77	.1	46.6	15.2	607	3.21	1.9	.6	4.4	1.2	92	.1	.2	.1	84	.94	.059	11	77.9	1.48	74	.219	2	3.66	.022	.15	<.1	.03	7.8	<.1	<.05	11	<.5
14400N 6850E	.2	22.2	5.0	54	.1	31.1	10.4	322	2.57	1.2	.5	26.7	1.7	82	.2	.1	.1	60	.66	.108	8	58.4	1.11	121	.162	1	3.04	.024	.06	.1	.01	5.8	<.1	<.05	9	<.5
14400N 6900E	.3	13.3	3.6	74	.1	23.2	7.1	269	1.82	1.4	.3	.8	1.3	67	.1	.1	.1	42	.58	.209	6	39.6	.64	96	.117	4	2.10	.021	.07	.1	.02	3.9	<.1	<.05	7	<.5
14400N 6950E	.4	13.1	3.9	54	.1	16.6	7.4	538	2.44	1.4	.4	<.5	1.0	54	.1	.1	.1	77	.57	.046	6	40.3	.42	79	.199	2	1.60	.027	.13	<.1	.03	4.9	<.1	<.05	5	<.5
14400N 7000E	.4	14.8	4.7	66	<.1	28.0	9.1	467	2.58	1.3	.4	17.6	1.0	53	<.1	.1	.1	82	.55	.050	6	55.6	.65	121	.236	1	2.46	.018	.06	<.1	.02	4.8	.1	<.05	7	<.5
14400N 7050E	.5	19.9	5.6	81	.1	41.1	11.8	736	2.88	1.4	.5	3.0	1.3	74	.2	.1	.1	83	.63	.074	7	69.7	.90	102	.250	2	3.09	.014	.10	.1	.02	5.4	<.1	<.05	9	<.5
14400N 7100E	.5	22.5	5.3	83	<.1	61.4	15.3	680	3.50	1.1	.5	1.1	1.2	66	.1	.1	.1	100	.66	.037	11	122.6	1.34	94	.277	<1	2.86	.019	.11	.1	.02	6.7	<.1	<.05	9	<.5
14400N 7150E	.4	50.9	6.3	76	.1	66.6	16.5	1187	3.54	2.2	.8	.9	1.8	83	.2	.2	.1	95	1.02	.042	40	98.4	1.09	74	.221	1	3.13	.021	.12	<.1	.04	8.5	<.1	<.05	10	.6
14400N 7200E	.3	25.1	4.6	80	.1	62.3	15.8	432	3.26	1.4	.4	8.0	1.1	87	.1	.1	.1	69	.76	.189	11	84.9	1.24	107	.130	5	2.73	.016	.16	.1	.03	4.9	<.1	<.05	9	<.5
14400N 7250E	.4	12.5	4.3	62	<.1	14.8	5.9	421	2.19	1.1	.3	2.3	1.0	51	.1	.1	.1	69	.46	.040	4	37.8	.36	100	.217	2	1.48	.026	.15	<.1	.02	3.9	<.1	<.05	4	<.5
14400N 7300E	.4	12.3	5.0	68	<.1	13.5	5.6	349	2.07	.9	.3	1.1	.9	44	.1	.1	.1	63	.41	.036	3	34.1	.32	90	.212	2	1.45	.027	.14	<.1	.02	3.7	<.1	<.05	4	<.5
14400N 7350E	.8	15.2	4.9	52	<.1	15.2	8.1	600	2.15	1.1	.3	3.8	1.1	58	.1	.1	.1	65	.54	.036	6	34.7	.39	100	.195	1	1.39	.030	.16	<.1	.03	4.3	<.1	<.05	4	<.5
14400N 7400E	.5	18.2	3.7	48	<.1	16.6	7.3	522	2.37	1.1	.4	6.5	1.1	53	.1	.1	.1	72	.48	.039	6	37.1	.39	89	.191	1	1.38	.031	.17	.1	.02	5.0	<.1	<.05	4	<.5
14400N 7450E	.3	24.1	3.5	53	.1	36.0	14.6	525	3.15	3.5	.7	2.1	1.5	110	.1	.2	<.1	93	.93	.062	11	54.3	1.21	111	.141	2	1.95	.076	.06	<.1	.05	7.1	<.1	<.05	6	<.5
14400N 7500E	.4	17.1	5.0	74	<.1	22.6	8.0	445	2.41	1.2	.4	1.4	.9	37	.1	.2	.1	64	.42	.054	4	37.9	.53	92	.217	2	2.62	.021	.08	<.1	.02	4.4	<.1	<.05	7	<.5
RE 14400N 7500E	.4	16.9	5.4	77	<.1	23.5	8.5	448	2.41	1.2	.4	3.0	1.0	37	.1	.2	.1	65	.41	.054	5	39.2	.53	96	.215	<1	2.67	.020	.08	.1	.02	4.3	<.1	<.05	7	<.5
14400N 7550E	.3	9.6	5.0	60	<.1	29.0	8.4	320	2.27	.8	.4	1.5	.8	25	.1	.1	.1	54	.39	.028	5	50.6	.77	83	.180	1	1.97	.017	.13	<.1	.01	4.0	<.1	<.05	6	<.5
14400N 7600E	.2	14.8	4.9	84	<.1	39.1	11.2	343	2.91	1.1	.5	22.0	.9	30	.1	.3	.1	82	.57	.040	6	76.3	1.09	87	.315	1	2.63	.014	.13	.1	.01	5.9	<.1	<.05	8	<.5
14400N 7650E	.2	17.8	5.8	103	.1	63.2	17.3	1131	3.25	1.5	.7	<.5	1.2	47	.2	.4	.1	87	.82	.077	11	125.8	2.14	174	.253	2	2.91	.010	.11	<.1	.04	8.2	<.1	<.05	10	<.5
14400N 7700E	.4	14.6	4.3	61	<.1	17.2	6.7	272	2.52	1.5	.3	1.5	1.0	44	.1	.2	.1	81	.41	.045	4	41.2	.33	98	.232	1	1.64	.029	.08	.1	.01	4.0	<.1	<.05	5	<.5
14400N 7750E	.3	16.6	4.0	67	.1	25.7	9.4	386	2.74	1.3	.3	2.3	1.1	39	.1	.1	.1	72	.47	.042	7	42.8	.45	177	.152	2	2.20	.028	.12	<.1	.02	5.0	<.1	<.05	6	<.5
14400N 7800E	.4	10.4	3.8	105	.1	13.7	5.0	340	1.92	1.0	.2	1.0	.9	31	.1	.1	.1	47	.36	.042	3	27.5	.27	120	.132	2	1.48	.021	.11	<.1	.01	3.1	<.1	<.05	4	<.5
STANDARD DS6	11.7	121.4	29.6	142	.3	23.7	10.7	689	2.78	21.2	6.6	51.0	3.2	37	6.1	3.5	5.0	55	.85	.083	14	179.8	.61	166	.077	18	2.02	.073	.16	3.8	.23	3.5	1.7	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
14400N 7850E	.2	7.7	3.7	51	<.1	8.7	3.8	256	1.54	1.1	.2	1.2	.5	32	.1	.1	.1	45	.33	.039	2	25.1	.21	69	.170	2	1.12	.023	.10	<.1	.02	2.5	<.1	<.05	4	<.5
14400N 7900E	.2	8.7	4.1	62	<.1	14.3	4.9	280	1.69	1.0	.2	1.0	.8	34	.1	.1	.1	40	.39	.047	3	32.3	.41	88	.118	2	1.66	.015	.11	<.1	.01	2.8	<.1	<.05	5	<.5
14400N 7950E	.4	12.2	3.9	103	<.1	13.2	5.7	818	2.05	1.6	.3	.6	.7	45	.1	.1	.1	64	.43	.032	4	36.0	.30	108	.197	2	1.16	.023	.14	<.1	.02	3.8	<.1	<.05	4	<.5
14400N 8000E	.6	18.0	3.5	56	<.1	21.3	7.9	294	2.87	11.5	.4	.5	1.3	44	<.1	.3	.1	78	.44	.053	10	46.0	.30	77	.142	4	1.43	.023	.21	.1	.02	6.8	<.1	<.05	4	<.5
14200N 6000E	.5	24.0	4.2	58	<.1	29.8	13.0	550	3.24	3.5	.5	1.5	1.3	62	.1	.2	.1	89	.62	.048	12	56.2	.81	127	.130	2	2.18	.024	.10	.1	.04	7.1	<.1	<.05	6	<.5
14200N 6050E	.4	23.3	3.7	103	.1	47.1	17.0	605	3.82	4.6	.5	.9	1.4	36	.1	.1	.1	89	.45	.089	12	96.5	1.32	172	.044	2	2.62	.011	.10	<.1	.02	8.8	<.1	<.05	9	<.5
14200N 6100E	.5	13.4	3.7	82	<.1	20.2	8.7	520	2.79	2.3	.3	2.3	.9	40	.1	.1	.1	77	.38	.050	3	46.1	.52	120	.137	2	1.62	.018	.11	<.1	.04	4.4	<.1	<.05	5	<.5
14200N 6150E	.3	12.9	3.9	58	<.1	19.9	8.7	339	2.41	1.3	.3	11.8	.8	28	.1	.1	.1	64	.34	.039	5	45.7	.62	133	.106	1	1.53	.015	.10	<.1	.02	3.7	<.1	<.05	6	<.5
14200N 6200E	.3	12.5	5.9	78	<.1	25.4	10.9	507	2.62	1.3	.6	.5	1.0	28	.1	.1	.1	81	.43	.030	5	60.6	1.02	89	.248	<1	2.01	.015	.08	<.1	.02	6.4	<.1	<.05	7	<.5
14200N 6250E	.3	9.7	3.5	87	<.1	15.0	5.9	346	2.30	1.1	.2	3.1	.6	35	.1	.1	.1	62	.33	.022	3	44.3	.40	73	.140	2	1.29	.022	.10	<.1	.01	3.3	<.1	<.05	4	<.5
14200N 6300E	.4	14.7	3.3	62	<.1	23.8	7.7	260	3.09	4.2	.2	.6	.7	27	.1	.1	.1	86	.36	.033	5	58.7	.31	92	.075	3	1.01	.011	.08	<.1	.02	4.0	<.1	<.05	4	<.5
14200N 6350E	.4	11.2	6.5	152	<.1	19.5	6.4	448	2.94	3.1	.3	<.5	.7	25	.2	.3	.1	90	.29	.046	4	49.4	.32	138	.114	3	1.12	.014	.05	<.1	.02	3.4	<.1	<.05	5	<.5
14200N 6400E	.5	10.2	3.2	96	<.1	22.5	7.4	463	2.98	3.4	.2	<.5	.7	39	.1	.2	.1	77	.35	.078	4	64.0	.39	92	.089	3	1.07	.011	.07	<.1	.02	4.1	<.1	<.05	4	<.5
14200N 6450E	.8	30.9	8.9	127	.1	54.2	18.7	785	3.83	8.9	.3	.7	1.2	52	.3	.4	.2	96	.96	.120	17	50.7	.28	215	.064	4	1.92	.013	.13	<.1	.10	9.5	.1	<.05	6	<.5
14200N 6500E	.5	18.4	3.9	73	.1	26.8	12.0	635	3.48	3.9	.4	.5	1.1	52	.1	.2	.1	93	.57	.040	8	46.2	.57	262	.125	2	1.87	.017	.05	<.1	.03	6.6	<.1	<.05	6	<.5
14200N 6550E	.3	15.1	3.6	76	<.1	21.8	8.7	386	3.14	1.7	.3	.8	1.2	50	.1	.1	.1	93	.45	.038	7	46.1	.51	87	.154	2	1.45	.023	.10	<.1	.02	6.1	<.1	<.05	5	<.5
14200N 6600E	.3	11.6	3.5	109	<.1	15.3	6.4	384	2.67	1.6	.2	1.4	.8	42	.1	.1	.1	75	.36	.031	4	38.4	.35	72	.159	2	1.19	.022	.11	<.1	.02	4.2	<.1	<.05	4	<.5
14200N 6650E	.3	21.6	4.2	105	<.1	33.3	19.6	1051	4.24	3.1	.7	25.8	1.6	41	.1	.3	.1	107	.76	.043	14	62.7	1.51	76	.265	1	2.52	.012	.20	<.1	.01	10.1	<.1	<.05	10	<.5
14200N 6700E	.4	30.5	5.9	99	<.1	41.7	25.1	1102	4.80	3.1	.8	36.0	1.6	104	.1	.4	<.1	129	1.40	.084	18	48.5	2.05	72	.337	<1	4.80	.021	.24	.1	.02	10.6	<.1	<.05	15	<.5
14200N 6750E	.4	26.1	7.6	92	<.1	33.6	20.1	906	3.95	2.5	.7	4.3	1.4	93	.1	.2	.1	117	1.09	.067	15	38.1	1.45	73	.317	2	3.57	.016	.15	<.1	.03	8.6	<.1	<.05	11	<.5
14200N 6800E	.3	30.0	4.3	138	.1	57.5	20.7	883	3.71	3.0	.6	12.2	1.3	102	.1	.1	.1	90	1.05	.119	15	65.0	1.79	115	.251	3	3.62	.013	.13	<.1	.02	10.3	<.1	<.05	13	<.5
14200N 6850E	.3	16.5	4.0	62	.1	29.3	10.7	393	2.60	2.3	.4	2.3	1.4	74	.1	.1	.1	68	.67	.068	8	53.5	.94	63	.202	3	2.40	.019	.08	.1	.01	6.0	<.1	<.05	8	<.5
RE 14200N 6850E	.4	16.2	3.8	60	.1	27.6	10.3	376	2.55	2.2	.5	2.6	1.3	71	.1	.1	.1	69	.65	.065	8	50.8	.92	62	.208	3	2.32	.024	.08	.1	.01	5.9	<.1	<.05	8	<.5
14200N 6900E	.2	17.3	4.2	90	<.1	33.9	14.0	856	3.13	2.1	.6	9.6	1.3	54	.1	.2	.1	85	.70	.035	9	67.7	1.11	81	.262	3	2.23	.015	.14	<.1	.02	7.6	<.1	<.05	8	<.5
14200N 6950E	.2	9.6	4.0	125	<.1	33.2	7.2	249	1.37	1.3	.2	1.3	.9	41	.1	.1	.1	32	.32	.137	5	25.5	.21	190	.082	2	1.13	.015	.06	<.1	.01	3.6	<.1	<.05	4	<.5
14200N 7000E	.3	11.9	3.5	57	<.1	20.8	7.3	233	2.75	2.0	.3	1.2	.8	47	.1	.2	.1	85	.48	.037	4	51.7	.43	72	.209	3	1.42	.024	.16	<.1	.02	4.6	<.1	<.05	5	<.5
14200N 7050E	.5	15.5	3.9	70	<.1	22.7	7.6	632	2.23	1.6	.3	2.3	.9	40	.1	.1	.1	58	.46	.034	6	49.2	.43	128	.162	3	1.34	.020	.12	<.1	.01	4.4	<.1	<.05	4	<.5
14200N 7100E	.4	28.2	4.8	100	.1	51.7	14.9	786	3.49	2.6	.5	4.0	1.2	67	.1	.2	.1	96	.76	.073	10	90.4	.94	150	.261	3	2.60	.020	.13	.1	.03	7.2	<.1	<.05	8	<.5
14200N 7150E	.4	26.2	5.1	72	.1	39.6	13.3	861	3.08	2.2	.5	.5	1.5	82	.2	.1	.1	80	.82	.057	12	82.7	.93	193	.224	4	2.54	.024	.18	<.1	.02	7.3	<.1	<.05	7	<.5
14200N 7200E	.3	39.5	4.4	51	.1	36.3	11.2	594	2.88	2.8	.4	3.3	1.5	96	.1	.2	.1	72	.96	.032	15	59.3	.80	186	.190	3	2.31	.027	.08	<.1	.03	7.4	<.1	<.05	7	<.5
14200N 7250E	.3	38.4	4.6	48	.1	28.5	10.3	530	2.91	1.8	.3	7.6	1.6	100	.1	.2	.1	74	.91	.047	16	49.7	.62	138	.200	5	2.18	.029	.08	<.1	.03	6.6	<.1	<.05	6	<.5
14200N 7300E	.3	11.2	4.5	88	.1	10.7	4.6	453	1.93	.9	.2	.9	.8	49	.1	.1	.1	58	.43	.035	3	32.1	.24	90	.195	2	1.06	.024	.17	<.1	.01	3.6	<.1	<.05	4	<.5
14200N 7350E	.4	20.8	5.2	90	.1	20.3	9.9	739	2.76	1.2	.4	<.5	1.5	69	.1	.1	.1	65	.59	.055	7	40.6	.52	113	.172	3	1.69	.028	.23	<.1	.03	6.6	<.1	<.05	5	<.5
14200N 7400E	.4	30.1	3.8	49	.1	37.8	13.9	521	3.01	3.2	.9	2.8	1.3	129	.1	.2	.1	90	1.62	.064	12	59.0	1.15	111	.125	6	1.88	.064	.08	<.1	.08	7.6	<.1	.06	6	<.5
STANDARD DS6	11.4	121.8	29.8	146	.3	24.2	10.6	683	2.76	21.0	6.3	49.5	3.1	37	6.1	3.7	4.8	56	.84	.078	14	177.0	.60	161	.080	17	1.97	.076	.16	3.6	.22	3.4	1.7	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
14200N 7450E	.4	17.2	4.4	91	<.1	20.8	8.3	575	2.70	.8	.3	.8	1.3	55	.1	.1	.1	79	.48	.039	7	46.9	.47	125	.201	2	1.72	.026	.14	<.1	.02	5.7	<.1	<.05	5	<.5
14200N 7500E	.4	25.3	5.2	86	.1	39.4	13.5	861	3.06	1.5	.5	.9	1.4	74	.2	.2	.1	78	.79	.066	13	52.9	.96	217	.207	2	2.18	.017	.13	.1	.03	5.9	<.1	<.05	7	<.5
14200N 7550E	.3	16.6	3.8	68	<.1	29.3	9.5	436	2.79	1.3	.3	1.0	1.1	44	.1	.1	.1	74	.44	.045	7	54.8	.64	123	.162	1	1.93	.020	.16	.1	.02	5.2	<.1	<.05	6	<.5
14200N 7600E	.6	19.9	4.4	55	.1	19.1	8.6	621	2.38	1.1	.5	1.0	1.3	117	.1	.1	.1	62	.71	.034	9	41.5	.43	153	.145	2	1.83	.023	.10	<.1	.03	5.4	<.1	<.05	5	<.5
14200N 7650E	.3	25.5	3.6	99	<.1	44.6	16.1	738	3.85	1.9	.3	5.5	1.6	36	.1	.1	.1	83	.75	.101	16	67.9	1.13	166	.081	3	2.92	.014	.26	<.1	.02	10.0	<.1	<.05	10	<.5
14200N 7700E	.3	19.5	2.2	68	<.1	32.2	13.2	360	3.45	1.7	.2	1.3	1.1	24	<.1	.1	.1	75	.44	.051	6	72.2	1.22	72	.033	2	1.95	.012	.07	<.1	.01	5.8	<.1	<.05	9	<.5
14200N 7750E	.5	37.5	5.7	112	<.1	53.2	18.5	594	4.70	10.3	.3	1.8	1.5	45	.1	.9	.1	116	.57	.078	14	72.5	.26	246	.017	5	1.76	.010	.14	.1	.02	12.1	.1	<.05	5	<.5
14200N 7800E	.3	12.4	4.1	97	<.1	20.0	5.9	276	2.44	2.3	.2	4.7	.9	26	<.1	.3	.1	64	.28	.039	5	34.4	.20	119	.117	2	1.30	.017	.12	.1	.01	3.4	<.1	<.05	4	<.5
14200N 7850E	.4	19.8	5.0	145	<.1	36.0	11.8	359	3.76	2.4	.2	1.5	1.4	45	.1	.2	.1	91	.58	.065	9	54.0	.30	243	.133	3	1.73	.018	.17	.1	.01	7.9	<.1	<.05	5	<.5
14200N 7900E	.7	14.7	5.9	164	<.1	64.8	16.5	574	5.69	12.5	.2	1.7	1.4	32	.1	1.6	.1	131	.50	.072	13	80.9	.28	211	.094	2	1.93	.014	.12	.1	.01	13.0	.1	<.05	5	<.5
14200N 7950E	8.1	53.8	11.0	193	.3	87.4	30.7	1637	7.55	138.0	.3	53.4	1.3	65	.3	3.0	.1	167	.68	.139	18	94.8	.24	387	.037	11	1.85	.008	.38	.1	.05	15.5	.5	<.05	5	<.5
14200N 8000E	.5	30.8	7.1	188	<.1	47.7	20.3	1071	4.74	7.2	.1	<.5	.8	73	.2	.1	.3	99	.78	.163	18	81.3	.25	555	.039	13	2.00	.009	.32	<.1	.03	10.9	.1	<.05	6	<.5
14000N 6000E	.4	24.8	4.0	75	.1	35.9	10.5	383	3.71	6.7	.3	4.7	1.4	38	.1	.1	.1	87	.47	.077	21	64.3	.23	126	.018	3	1.19	.011	.12	<.1	.03	8.3	<.1	<.05	4	<.5
14000N 6050E	.5	23.7	3.6	64	<.1	31.1	12.0	416	3.68	4.6	.3	2.0	1.4	41	.1	.1	.1	98	.45	.063	17	57.6	.42	124	.060	2	1.42	.016	.09	<.1	.03	8.5	<.1	<.05	5	<.5
14000N 6100E	.3	15.3	4.1	70	<.1	22.0	8.6	381	2.95	1.2	.3	1.2	1.0	41	.1	.2	.1	91	.36	.029	4	54.7	.59	104	.184	2	1.60	.026	.10	<.1	.03	4.6	<.1	<.05	5	<.5
14000N 6150E	.3	16.0	5.1	83	<.1	26.6	9.9	541	3.03	1.4	.4	1.3	1.2	40	.1	.2	.1	89	.42	.035	8	63.4	.73	121	.185	1	2.03	.019	.14	<.1	.03	5.8	<.1	<.05	6	<.5
14000N 6200E	.4	14.8	4.5	68	<.1	22.3	8.3	366	3.08	.9	.3	1.2	1.3	46	.1	.1	.1	95	.35	.030	4	53.8	.55	99	.202	1	1.75	.026	.11	<.1	.02	4.7	<.1	<.05	6	<.5
14000N 6250E	.3	17.5	4.2	81	<.1	34.7	8.0	223	4.06	15.1	.4	1.5	1.7	22	.1	.4	.1	92	.25	.081	13	78.8	.19	62	.042	6	1.16	.007	.09	<.1	.01	10.1	<.1	<.05	4	<.5
14000N 6300E	.4	12.3	5.0	94	<.1	16.6	6.3	469	2.44	1.4	.2	<.5	.7	36	.1	.2	.1	75	.33	.027	4	35.6	.32	143	.160	2	1.28	.028	.07	<.1	.12	3.8	<.1	<.05	4	<.5
14000N 6350E	.4	12.1	4.4	79	<.1	16.4	5.9	408	2.55	1.1	.3	2.6	.8	42	.1	.1	.1	81	.37	.029	3	41.8	.35	173	.196	2	1.25	.025	.11	<.1	.02	3.8	<.1	<.05	4	<.5
14000N 6400E	.4	14.4	3.7	90	<.1	22.9	8.0	411	3.10	3.8	.2	1.8	1.0	30	.1	.2	.1	89	.28	.037	7	48.8	.37	91	.120	2	1.13	.019	.08	<.1	.01	5.2	<.1	<.05	5	<.5
RE 14000N 6400E	.4	14.3	3.7	91	<.1	22.5	8.6	428	3.20	3.8	.3	<.5	1.0	30	.1	.2	.1	94	.29	.036	7	52.3	.38	92	.123	4	1.16	.020	.08	<.1	.02	5.5	<.1	<.05	5	<.5
14000N 6450E	.4	20.4	4.4	101	.1	27.0	9.8	571	3.35	4.3	.3	.7	1.2	41	.1	.2	.1	94	.41	.052	9	56.5	.43	113	.126	5	1.26	.020	.13	<.1	.02	5.4	<.1	<.05	5	<.5
14000N 6500E	.5	20.0	4.8	57	<.1	28.9	11.5	517	3.64	8.7	.3	<.5	1.3	44	.1	.3	.1	100	.51	.052	17	47.9	.26	120	.041	5	1.16	.011	.09	<.1	.04	8.2	<.1	<.05	4	<.5
14000N 6550E	.4	28.7	6.0	215	<.1	45.1	13.3	444	3.73	11.0	.2	<.5	1.7	33	.1	.2	.1	78	.56	.081	18	48.1	.27	243	.055	5	1.91	.014	.13	<.1	.01	11.4	<.1	<.05	7	<.5
14000N 6600E	.4	15.4	4.4	82	<.1	31.1	8.7	230	3.14	7.0	.2	<.5	1.3	32	<.1	.2	.1	76	.40	.057	11	46.1	.21	152	.057	5	1.23	.012	.13	<.1	.01	6.6	<.1	<.05	4	<.5
14000N 6650E	.3	14.3	4.1	92	<.1	25.8	10.4	563	2.95	2.4	.5	.9	1.3	31	.1	.2	.1	88	.46	.041	8	50.4	.71	111	.169	2	1.60	.014	.09	<.1	.01	5.5	<.1	<.05	6	<.5
14000N 6700E	.3	14.0	3.5	81	.1	23.7	9.0	298	3.02	3.4	.3	<.5	1.2	21	.1	.1	.1	85	.51	.058	10	58.8	.66	108	.055	4	1.45	.009	.07	<.1	.02	6.9	<.1	<.05	7	<.5
14000N 6750E	.2	11.7	3.8	112	<.1	27.7	7.4	293	3.14	3.5	.4	12.6	1.0	30	.1	.6	.1	60	.39	.065	7	62.7	.35	147	.140	4	1.16	.012	.14	<.1	.01	4.3	<.1	<.05	4	<.5
14000N 6800E	.2	11.0	3.9	110	.1	36.3	7.4	258	2.84	3.1	.4	3.1	1.0	31	.1	.2	.1	61	.42	.054	7	57.5	.40	192	.134	4	1.56	.016	.11	.1	.02	4.9	<.1	<.05	5	<.5
14000N 6850E	.4	24.1	4.3	50	.1	61.6	14.8	487	3.86	3.6	.7	1.1	1.2	49	.1	.2	.2	115	.63	.037	15	63.6	.42	145	.129	4	1.53	.016	.08	<.1	.02	11.7	<.1	<.05	5	<.5
14000N 6900E	.4	17.7	3.9	48	.1	24.2	9.2	471	2.68	1.7	.4	1.0	1.2	53	.1	.1	.1	84	.64	.031	10	49.7	.57	122	.227	4	1.74	.029	.15	<.1	.02	6.4	<.1	<.05	5	<.5
14000N 6950E	.5	26.7	4.1	98	.1	35.8	12.2	776	2.84	2.9	.4	3.9	1.1	57	.2	.3	.1	73	.77	.061	10	52.3	.49	207	.160	3	2.01	.021	.13	<.1	.03	6.7	<.1	<.05	6	<.5
14000N 7000E	.3	12.5	2.8	87	<.1	17.4	4.6	254	2.11	2.1	.1	3.4	.4	26	.1	.5	<.1	52	.39	.034	3	47.2	.16	143	.115	5	.77	.018	.13	<.1	.02	3.3	<.1	<.05	3	<.5
STANDARD DS6	12.0	125.9	30.3	150	.3	25.8	11.0	727	2.90	22.2	6.8	52.3	3.1	37	6.4	3.6	5.1	58	.88	.081	15	183.9	.60	169	.079	18	1.94	.075	.16	3.5	.24	3.6	1.8	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
14000N 7050E	.4	20.6	4.5	100	.1	33.6	11.5	824	3.18	2.1	.4	1.5	1.4	51	.2	.3	.1	84	.68	.053	10	67.9	.62	225	.179	3	2.16	.024	.16	<.1	.02	6.9	<.1	<.05	6	<.5
14000N 7100E	.4	21.0	4.2	43	.1	35.3	11.9	620	2.99	2.9	.5	1.0	1.4	64	.1	.2	.1	82	.65	.034	12	72.9	.76	151	.213	2	2.05	.030	.10	<.1	.03	6.6	<.1	<.05	6	<.5
14000N 7150E	.4	26.7	4.1	88	.1	45.2	13.4	642	3.33	1.8	.5	1.2	1.6	61	.2	.2	.1	82	.61	.099	12	125.5	1.12	165	.161	3	2.59	.022	.17	<.1	.02	7.5	<.1	<.05	8	<.5
14000N 7200E	.3	27.0	4.2	48	.1	32.0	11.1	650	3.02	2.2	.5	5.7	1.5	81	.1	.2	.1	80	.73	.051	12	70.9	.78	142	.232	1	2.35	.034	.10	<.1	.02	6.5	<.1	<.05	6	<.5
14000N 7250E	.5	40.7	4.5	129	.1	45.4	15.4	724	3.38	2.7	.5	.5	1.9	99	.2	.2	.1	72	.89	.107	14	61.4	1.24	137	.180	4	2.77	.032	.17	.1	.03	6.6	<.1	<.05	7	<.5
14000N 7300E	.4	38.6	4.1	70	.1	46.6	16.9	738	3.40	2.4	1.0	1.1	2.1	108	.1	.2	<.1	83	.90	.105	16	66.7	1.19	133	.149	2	2.09	.051	.19	<.1	.03	8.4	<.1	<.05	6	<.5
14000N 7350E	.4	33.6	3.9	55	.1	42.4	15.3	567	2.99	3.0	1.3	1.3	1.6	118	.1	.2	<.1	83	1.33	.082	14	64.2	1.27	123	.125	4	2.07	.056	.10	<.1	.06	7.5	<.1	<.05	6	<.5
14000N 7400E	.4	24.5	3.6	53	<.1	28.3	9.3	199	3.28	3.6	.4	.7	1.3	72	<.1	.3	.1	88	.52	.033	7	46.3	.44	127	.146	2	1.98	.040	.07	<.1	.03	6.9	<.1	<.05	6	<.5
14000N 7450E	.4	16.9	5.1	146	.1	40.6	11.1	1188	2.36	1.3	.3	9.4	.9	39	.3	.2	.2	49	.55	.059	8	84.7	.81	194	.077	3	1.39	.013	.09	<.1	.02	4.1	<.1	<.05	5	<.5
14000N 7500E	.4	35.6	5.1	101	<.1	47.4	14.8	902	3.41	2.2	.4	.5	1.4	42	.2	.1	.1	81	.69	.085	16	72.0	.95	141	.148	4	2.46	.020	.20	<.1	.03	9.5	<.1	<.05	8	<.5
14000N 7550E	.3	15.9	3.6	116	<.1	27.6	8.3	494	2.64	1.4	.3	<.5	1.0	35	.1	.1	.1	56	.41	.061	9	43.8	.31	182	.088	2	1.70	.018	.12	<.1	.02	4.2	<.1	<.05	5	<.5
14000N 7600E	.5	22.6	6.5	119	<.1	32.4	12.6	1174	3.18	2.8	.6	<.5	1.6	64	.2	.2	.1	85	.55	.107	12	63.6	.68	196	.176	3	2.56	.015	.18	<.1	.02	6.5	<.1	<.05	7	<.5
14000N 7650E	.4	16.2	4.5	41	<.1	20.1	8.5	465	2.45	1.6	.4	.7	1.3	51	<.1	.1	.1	72	.51	.020	8	43.5	.50	95	.187	1	1.72	.025	.08	<.1	.02	5.0	<.1	<.05	5	<.5
RE 14000N 7650E	.5	15.9	4.8	42	<.1	20.8	8.5	480	2.58	1.6	.5	.7	1.3	54	.1	.1	.1	74	.55	.022	9	44.5	.52	98	.192	1	1.74	.025	.09	<.1	.02	5.3	<.1	<.05	5	<.5
14000N 7700E	.3	28.2	5.5	136	<.1	45.4	14.7	628	3.70	4.9	.3	1.4	1.4	53	.1	.4	.1	85	.58	.153	16	60.2	.28	350	.085	7	2.09	.016	.26	.1	.02	7.4	.1	<.05	6	<.5
14000N 7750E	.4	30.4	4.6	127	<.1	61.3	17.7	554	5.62	7.1	.2	<.5	2.5	34	.1	.6	.1	126	.43	.135	31	96.6	.15	83	.013	3	1.12	.009	.08	.1	.02	15.8	<.1	<.05	4	<.5
14000N 7800E	.6	42.6	4.5	65	.1	52.5	15.6	512	4.29	4.3	.8	3.8	2.3	107	.1	.4	.1	123	.90	.049	23	76.2	.99	296	.267	4	3.12	.038	.09	.1	.04	13.4	<.1	<.05	8	<.5
14000N 7850E	1.4	44.4	6.2	126	.2	103.6	25.1	642	6.77	13.0	.4	8.7	1.8	69	.1	1.0	.1	146	.78	.104	22	96.0	.50	316	.138	7	3.00	.019	.27	.1	.03	15.8	.1	<.05	8	<.5
14000N 7900E	.8	30.1	8.0	124	.1	32.0	18.3	2159	3.05	6.4	.5	<.5	1.0	64	.3	.2	.1	69	.63	.218	9	85.6	.88	215	.142	2	3.12	.013	.08	.1	.04	4.9	.1	<.05	10	<.5
14000N 7950E	.3	18.5	4.3	76	<.1	26.6	11.4	433	3.13	1.8	.5	.7	1.0	36	.1	.1	.1	50	.57	.082	12	90.2	1.06	206	.035	2	2.89	.011	.25	<.1	.01	5.0	<.1	<.05	8	<.5
14000N 8000E	.5	20.7	5.3	107	<.1	28.7	12.6	965	3.15	2.1	.7	.9	1.6	53	.2	.2	.1	83	.52	.066	11	71.5	.75	144	.190	<1	2.78	.017	.11	.1	.02	6.8	.1	<.05	9	<.5
13800N 6000E	.3	19.8	5.1	73	<.1	32.9	12.1	431	3.18	3.6	.7	1.5	1.3	59	.1	.1	.1	89	.57	.076	7	64.9	1.09	73	.186	1	2.19	.019	.14	<.1	.01	6.3	<.1	<.05	8	<.5
13800N 6050E	.4	16.3	3.8	73	.1	22.9	9.6	485	3.02	1.6	.4	4.9	1.3	52	.1	.2	.1	89	.38	.041	8	52.5	.56	83	.172	2	1.65	.032	.14	<.1	.01	5.7	<.1	<.05	5	<.5
13800N 6100E	.3	13.2	4.1	43	<.1	17.3	7.3	290	2.74	1.4	.4	.5	1.1	52	.1	.2	.1	86	.40	.022	6	50.0	.45	90	.183	1	1.48	.024	.08	<.1	.03	4.2	<.1	<.05	5	<.5
13800N 6150E	.3	14.1	4.3	54	<.1	20.8	8.0	312	3.07	1.9	.5	2.8	1.2	50	<.1	.3	.1	94	.36	.028	4	55.6	.58	79	.211	2	1.61	.027	.10	<.1	.02	4.6	<.1	<.05	5	<.5
13800N 6200E	.3	12.2	4.4	60	<.1	18.6	7.3	286	2.78	1.2	.4	.7	1.0	40	<.1	.2	.1	82	.31	.051	3	49.6	.53	92	.178	1	1.42	.019	.11	<.1	.01	3.2	<.1	<.05	5	<.5
13800N 6250E	.4	11.6	4.0	45	<.1	16.0	6.3	258	2.43	2.0	.4	1.1	.9	41	.1	.3	.1	69	.42	.019	8	40.8	.36	124	.130	1	1.23	.019	.07	<.1	.04	3.7	<.1	<.05	4	<.5
13800N 6300E	.3	13.6	3.7	66	<.1	19.3	7.7	386	2.69	2.7	.3	.9	1.0	46	.1	.2	.1	74	.42	.028	7	45.9	.33	154	.119	2	1.23	.017	.12	<.1	.02	4.0	<.1	<.05	4	<.5
13800N 6350E	.4	13.6	4.0	70	<.1	15.7	7.2	395	2.60	1.5	.3	.6	1.2	45	.1	.2	.1	78	.39	.021	6	43.4	.40	116	.181	3	1.37	.032	.09	<.1	.02	4.2	<.1	<.05	4	<.5
13800N 6400E	.4	12.6	3.7	61	<.1	17.4	7.3	307	2.76	2.3	.3	.7	1.0	44	<.1	.3	.1	82	.37	.031	5	46.3	.34	95	.171	3	1.11	.022	.12	<.1	.04	4.3	<.1	<.05	4	<.5
13800N 6450E	.4	17.3	4.1	72	<.1	25.9	8.8	321	3.07	5.1	.4	16.4	1.4	37	.1	.2	.1	88	.34	.048	10	52.1	.38	106	.098	4	1.30	.020	.12	<.1	.02	6.1	<.1	<.05	4	<.5
13800N 6500E	.3	9.0	2.9	88	<.1	11.3	3.9	306	2.11	2.3	.2	5.1	.6	28	.1	.2	.1	58	.23	.031	4	33.5	.23	79	.103	3	.90	.016	.10	<.1	.01	2.6	<.1	<.05	3	<.5
13800N 6550E	.4	15.3	4.0	75	<.1	21.8	8.5	350	2.65	2.8	.3	<.5	1.2	42	<.1	.2	.1	67	.32	.052	4	42.5	.60	85	.140	2	1.86	.019	.08	<.1	.01	4.3	<.1	<.05	6	<.5
13800N 6600E	.4	14.8	4.0	78	<.1	23.4	9.2	469	3.00	2.2	.6	1.4	1.3	46	.1	.2	.1	82	.44	.029	6	44.8	.80	78	.232	3	1.79	.021	.12	<.1	.01	5.6	<.1	<.05	6	<.5
STANDARD DS6	11.7	128.4	30.9	146	.3	24.6	10.9	708	2.84	21.9	8.4	47.9	3.8	40	6.4	3.5	5.3	56	.86	.080	14	183.9	.59	167	.080	17	1.93	.073	.15	3.5	.23	3.3	1.7	<.05	6	4.6

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13800N 6650E	.3	22.2	7.3	99	<.1	45.2	17.9	601	3.87	5.0	1.2	3.0	1.9	47	.1	.3	.1	109	.73	.049	11	49.5	1.66	63	.353	2	3.08	.017	.08	<.1	.01	9.0	<.1	<.05	10	<.5
13800N 6700E	.3	17.4	5.2	82	<.1	32.0	12.5	488	3.45	2.6	.8	1.5	1.3	33	.1	.4	.1	102	.50	.035	11	62.7	1.05	73	.238	2	1.74	.013	.09	<.1	.01	7.7	<.1	<.05	6	<.5
13800N 6750E	.2	9.8	3.9	96	<.1	19.1	6.1	296	2.57	1.5	.3	1.5	.8	28	.1	.4	.1	69	.29	.023	5	50.5	.31	121	.147	1	1.19	.016	.09	<.1	.01	3.6	<.1	<.05	4	<.5
13800N 6800E	.3	36.3	4.3	95	<.1	66.1	14.2	419	4.08	8.9	.5	1.9	1.4	32	.1	.8	.1	79	.66	.081	23	113.0	.43	169	.039	5	1.49	.009	.19	<.1	.02	10.8	<.1	<.05	5	<.5
13800N 6850E	.3	21.7	3.7	75	<.1	24.4	7.0	258	3.40	5.4	.3	4.6	.7	29	.1	.4	.1	62	.36	.048	7	56.8	.21	100	.097	4	.82	.013	.10	.1	.01	4.0	<.1	<.05	3	<.5
13800N 6900E	.2	11.7	2.3	91	<.1	13.1	5.0	241	2.36	2.4	.2	23.8	.5	15	<.1	.2	<.1	26	.15	.032	4	54.1	.10	79	.076	2	.64	.010	.08	<.1	.01	2.4	<.1	<.05	2	<.5
13800N 6950E	.3	15.5	3.5	82	<.1	24.9	8.9	311	2.72	1.8	.3	3.7	.8	32	.1	.2	.1	64	.38	.033	9	52.2	.38	149	.116	2	1.29	.017	.11	<.1	.01	4.8	<.1	<.05	4	<.5
13800N 7000E	.3	19.9	3.6	60	<.1	36.9	11.1	272	3.17	2.3	.4	16.7	1.0	24	.1	.3	.2	59	.29	.033	9	80.9	.56	85	.112	<1	1.36	.015	.08	<.1	.01	4.7	<.1	<.05	5	<.5
13800N 7050E	.3	28.8	4.2	78	<.1	44.0	10.8	292	3.55	2.6	.5	3.4	1.3	56	<.1	.3	.1	94	.58	.058	11	69.4	.58	80	.191	4	1.93	.028	.19	.1	.02	7.7	<.1	<.05	6	<.5
13800N 7100E	.4	18.1	4.5	46	.1	19.9	8.2	366	2.52	1.3	.5	1.3	1.1	48	.1	.2	.1	72	.48	.034	8	49.3	.44	77	.181	3	1.53	.024	.10	<.1	.02	5.1	<.1	<.05	5	<.5
13800N 7150E	.3	36.5	4.4	95	.1	79.4	20.0	934	3.70	1.6	.5	1.3	.8	51	.2	.2	.1	68	.77	.101	12	133.6	1.73	123	.127	3	2.50	.010	.12	<.1	.03	6.3	<.1	<.05	9	<.5
13800N 7200E	.3	20.3	5.6	58	.1	26.3	10.4	702	2.44	1.6	.5	1.1	1.0	64	.1	.2	.1	62	.60	.068	7	53.9	.58	124	.190	3	1.69	.024	.16	<.1	.03	4.8	<.1	<.05	6	<.5
13800N 7250E	.3	37.2	4.3	72	.2	44.2	13.2	453	3.55	1.4	.5	1.8	1.3	58	.2	.1	.1	72	.94	.100	18	59.8	1.17	92	.046	4	2.48	.018	.16	<.1	.03	9.2	<.1	<.05	8	<.5
13800N 7300E	.4	38.1	5.1	123	.1	65.5	15.3	401	3.61	4.4	.3	21.7	1.3	59	.1	.2	.1	79	.73	.089	10	56.8	.61	241	.128	4	2.25	.024	.14	<.1	.04	11.0	<.1	<.05	6	<.5
13800N 7350E	.4	34.0	4.4	99	<.1	31.4	11.6	516	2.87	1.5	.8	1.3	1.8	71	.1	.1	.1	70	.55	.047	12	54.8	.82	109	.150	2	1.69	.038	.20	<.1	.02	7.5	<.1	<.05	5	<.5
13800N 7400E	.3	50.0	4.3	75	.1	39.4	13.4	507	2.74	2.3	1.3	.8	1.1	124	.1	.1	.1	64	1.18	.106	17	48.5	.96	108	.096	4	1.60	.033	.22	<.1	.05	7.0	<.1	<.05	4	<.5
13800N 7450E	.3	55.6	4.9	83	.1	56.2	12.4	312	4.22	13.9	.4	12.1	1.6	62	.1	.6	.1	83	.56	.056	14	70.9	.49	83	.069	5	1.64	.015	.11	.1	.05	12.2	<.1	<.05	5	.5
13800N 7500E	.5	19.3	3.7	116	<.1	27.3	10.2	397	3.19	1.4	.5	.9	1.7	50	.1	.1	.1	59	.41	.050	11	31.4	.57	83	.135	1	1.96	.024	.11	<.1	.01	5.3	<.1	<.05	5	<.5
13800N 7550E	.3	26.2	6.6	143	<.1	39.1	16.9	916	3.79	3.6	.6	1.4	1.5	49	.2	.3	.1	88	.61	.090	14	71.5	1.11	181	.139	3	2.86	.014	.15	<.1	.03	8.6	.1	<.05	10	<.5
13800N 7600E	.4	30.1	4.8	69	<.1	32.2	10.2	342	3.45	2.9	.5	1.0	1.4	40	.1	.3	.1	84	.51	.046	16	54.6	.30	117	.087	2	1.47	.016	.09	<.1	.02	7.8	<.1	<.05	5	<.5
13800N 7650E	.5	45.3	7.3	132	.3	59.5	15.3	614	4.44	4.5	.4	.9	1.6	59	.2	.4	.1	106	.64	.090	26	64.1	.27	231	.078	4	2.09	.013	.10	.1	.03	12.9	.1	<.05	5	<.5
13800N 7700E	.5	53.2	7.8	148	<.1	69.9	26.2	1415	6.10	8.0	.3	2.6	1.4	43	.2	.3	.1	138	.59	.128	27	109.9	.47	205	.011	5	1.52	.007	.12	<.1	.02	14.1	.1	.06	6	<.5
13800N 7750E	.5	32.7	8.8	109	.1	48.4	16.6	686	4.52	7.2	.4	5.5	1.6	52	.2	1.3	.1	116	.75	.057	17	61.5	.30	317	.114	3	1.87	.015	.16	.1	.03	11.9	.1	<.05	5	<.5
RE 13800N 7750E	.6	31.1	8.4	105	<.1	45.4	16.0	680	4.30	7.0	.5	2.2	1.6	51	.1	1.3	.1	113	.75	.055	17	58.7	.29	315	.112	4	1.79	.015	.16	.1	.03	11.8	.1	<.05	5	<.5
13800N 7800E	.8	48.0	8.0	176	.1	67.6	23.5	1119	6.27	12.3	.3	19.3	1.3	64	.3	1.4	.1	146	.77	.102	16	71.8	.30	238	.054	7	1.69	.012	.30	.1	.04	13.9	.1	<.05	5	<.5
13800N 7850E	.6	22.6	5.5	60	.1	21.0	10.4	636	2.60	2.2	.6	.5	1.3	46	.1	.2	.1	72	.50	.028	11	47.1	.43	99	.172	3	1.52	.022	.17	<.1	.03	5.7	<.1	<.05	4	<.5
13800N 7900E	.4	10.7	4.8	46	<.1	10.7	4.9	301	1.79	1.0	.3	<.5	.7	38	.1	.1	.1	54	.29	.043	3	32.6	.25	73	.178	2	1.01	.022	.10	<.1	.01	2.9	<.1	<.05	3	<.5
13800N 7950E	.4	24.6	7.6	129	<.1	31.2	15.1	1493	2.71	2.0	1.0	2.6	1.6	78	.3	.1	.1	67	.95	.053	12	71.5	1.70	117	.231	3	3.67	.018	.16	<.1	.02	10.2	<.1	<.05	11	<.5
13800N 8000E	.3	8.4	5.3	38	.1	8.4	3.6	124	1.47	.6	.3	<.5	.8	35	.1	.1	.1	39	.32	.014	3	30.5	.25	58	.155	<1	1.10	.022	.06	<.1	.01	2.9	<.1	<.05	3	<.5
13600N 6000E	.4	18.8	5.0	72	<.1	22.7	10.1	457	2.91	1.2	.4	1.0	1.0	69	.1	.1	.1	81	.55	.033	5	43.2	.80	82	.206	2	2.03	.028	.11	<.1	.01	6.3	<.1	<.05	7	<.5
13600N 6050E	.4	17.0	5.4	86	<.1	18.2	6.7	405	2.38	1.1	.4	<.5	1.0	53	.1	.2	.1	66	.38	.044	4	42.4	.44	94	.177	2	1.74	.025	.14	<.1	.01	4.3	<.1	<.05	5	<.5
13600N 6100E	.5	37.3	4.7	93	.1	32.0	13.1	747	3.46	2.5	.5	1.3	1.4	80	.1	.2	.1	83	.74	.153	9	57.4	.90	128	.151	3	2.16	.026	.14	<.1	.02	7.2	<.1	<.05	7	<.5
13600N 6150E	.4	21.4	5.9	64	.1	25.6	10.2	311	3.15	1.8	.6	1.3	1.5	77	.1	.2	.1	87	.53	.056	6	50.4	.58	96	.185	1	2.00	.025	.15	<.1	.03	5.6	<.1	<.05	6	<.5
13600N 6200E	.4	14.8	5.0	59	.1	18.4	6.2	234	2.35	1.1	.4	.6	.8	52	<.1	.1	.1	64	.35	.033	3	41.1	.43	67	.175	1	1.72	.023	.07	<.1	.01	3.8	<.1	<.05	5	<.5
STANDARD DS6	11.7	128.1	37.2	146	.3	24.8	11.0	697	2.82	21.4	8.1	53.5	3.1	40	6.7	4.0	5.2	57	.85	.079	14	181.1	.58	164	.081	18	1.92	.073	.15	3.4	.23	3.3	1.7	<.05	6	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13600N 6250E	.4	20.7	4.0	70	<.1	25.7	9.7	480	3.04	2.0	.5	.5	1.6	80	.1	.2	.1	82	.61	.055	10	45.9	.61	80	.156	4	1.89	.033	.18	<.1	.03	6.6	<.1	<.05	5	<.5
13600N 6300E	.4	14.2	3.8	97	.1	19.1	8.0	623	2.55	1.7	.3	<.5	.8	37	.1	.2	.1	67	.35	.127	4	41.4	.39	116	.146	2	1.55	.024	.08	<.1	.01	4.3	<.1	<.05	5	<.5
13600N 6350E	.4	37.3	4.4	71	.1	34.5	13.5	660	3.45	3.1	.4	1.0	1.5	87	.1	.3	.1	89	.94	.065	13	56.8	.89	110	.133	4	2.12	.033	.14	<.1	.05	8.0	<.1	<.05	6	<.5
13600N 6400E	.3	22.2	3.9	81	.1	25.7	9.8	531	2.98	2.8	.3	<.5	.9	49	.1	.2	.1	82	.44	.114	5	49.3	.57	117	.145	3	1.69	.021	.07	<.1	.02	5.0	<.1	<.05	6	<.5
13600N 6450E	.4	18.0	4.5	60	.1	21.9	8.8	559	2.39	3.5	.4	<.5	.9	71	.1	.2	.1	61	.63	.098	5	39.3	.50	123	.098	4	1.77	.018	.11	<.1	.03	4.2	<.1	<.05	6	<.5
13600N 6500E	.3	12.3	4.4	70	<.1	16.8	6.8	342	2.23	2.1	.3	<.5	.8	43	.1	.1	.1	60	.34	.055	3	34.0	.42	91	.131	2	1.63	.017	.08	<.1	.02	3.4	<.1	<.05	5	<.5
13600N 6550E	.4	16.2	4.4	87	<.1	24.3	8.5	435	2.84	2.1	.3	<.5	.9	58	.1	.2	.1	72	.49	.054	5	46.7	.58	94	.126	2	1.88	.024	.12	<.1	.02	4.5	<.1	<.05	6	<.5
13600N 6600E	.5	9.7	4.1	132	.1	15.2	5.0	453	1.48	1.5	.2	<.5	.9	33	.1	.1	.1	33	.29	.097	3	22.4	.29	113	.094	2	1.54	.019	.10	<.1	.01	2.7	<.1	<.05	5	<.5
13600N 6650E	.4	13.1	4.7	64	.1	20.1	8.3	427	2.75	1.9	.3	.9	1.0	50	.1	.2	.1	69	.40	.047	4	39.7	.54	94	.151	2	1.85	.022	.08	<.1	.02	4.4	<.1	<.05	6	<.5
13600N 6700E	.4	12.7	4.0	97	<.1	17.1	7.1	519	2.18	1.8	.2	.5	.8	45	.1	.1	.1	56	.27	.044	4	33.8	.46	97	.111	1	1.57	.026	.06	<.1	.03	3.9	<.1	<.05	5	<.5
RE 13600N 6700E	.3	12.4	4.0	97	<.1	17.4	7.2	538	2.17	1.8	.3	<.5	.8	48	.1	.1	.1	55	.27	.045	4	33.1	.47	99	.112	1	1.61	.027	.07	<.1	.03	4.1	<.1	<.05	5	<.5
13600N 6750E	.4	13.8	4.1	40	<.1	17.9	6.9	311	2.43	1.8	.3	<.5	.9	51	<.1	.2	.1	68	.36	.039	4	38.8	.40	80	.163	1	1.38	.026	.11	<.1	.02	3.6	<.1	<.05	4	<.5
13600N 6800E	.3	24.1	4.6	104	.1	22.7	8.9	496	2.58	2.9	.5	.8	1.3	62	.3	.2	.1	62	.92	.073	10	40.1	.44	89	.131	4	1.88	.029	.12	<.1	.04	5.7	<.1	<.05	5	<.5
13600N 6850E	.5	34.3	3.5	65	<.1	37.4	14.1	464	3.57	3.8	.5	3.0	1.4	64	.1	.3	.1	95	.54	.082	10	65.2	.83	87	.210	2	1.94	.029	.13	.1	.02	7.6	<.1	<.05	6	<.5
13600N 6900E	.4	15.8	3.6	88	<.1	15.3	6.2	450	2.21	1.5	.3	.8	.9	49	.1	.2	.1	61	.42	.035	4	36.6	.36	81	.159	3	1.23	.026	.15	<.1	.02	3.9	<.1	<.05	4	<.5
13600N 6950E	.5	49.5	3.3	64	.1	35.8	14.1	529	3.14	2.7	.5	.7	1.5	94	.1	.3	.1	80	.96	.083	13	54.2	.80	101	.184	2	1.98	.031	.10	.1	.03	6.6	<.1	<.05	6	<.5
13600N 7000E	.4	17.9	3.5	86	.1	22.4	9.0	468	2.78	2.2	.3	1.1	.8	54	.1	.3	.1	83	.51	.056	4	51.1	.51	79	.222	3	1.23	.026	.11	<.1	.02	4.5	<.1	<.05	4	<.5
13600N 7050E	.3	12.1	4.3	70	<.1	17.9	6.7	349	2.29	1.6	.3	<.5	1.0	54	.1	.1	.1	56	.38	.044	4	36.2	.44	85	.154	3	1.87	.030	.14	<.1	.02	4.2	<.1	<.05	5	<.5
13600N 7100E	.3	17.3	4.1	62	.1	23.9	8.7	375	2.90	2.2	.4	<.5	1.4	72	<.1	.2	.1	77	.47	.039	7	45.9	.56	90	.170	<1	2.07	.036	.14	<.1	.03	5.8	<.1	<.05	6	<.5
13600N 7150E	.5	12.9	4.5	67	<.1	15.8	6.5	594	2.24	1.3	.3	.5	.8	55	.1	.2	.1	67	.37	.038	3	41.4	.38	117	.201	1	1.57	.023	.12	<.1	.01	3.7	<.1	<.05	5	<.5
13600N 7200E	.5	23.0	4.5	44	.1	26.4	9.9	388	2.53	1.9	1.0	.7	1.5	72	.1	.2	.1	63	.66	.031	13	49.2	.59	83	.176	2	2.57	.023	.06	.1	.02	6.3	<.1	<.05	7	<.5
13600N 7250E	.3	20.7	6.3	138	<.1	36.3	14.8	1126	3.13	1.9	.7	<.5	1.2	61	.2	.2	.1	92	.67	.122	9	63.0	1.16	189	.284	3	3.39	.014	.11	.1	.02	6.5	.1	<.05	11	<.5
13600N 7300E	.5	26.4	4.7	65	<.1	39.6	15.6	589	3.45	3.8	.7	.5	1.5	149	.1	.1	<.1	85	1.35	.098	14	73.4	.98	95	.179	10	3.13	.017	.23	<.1	.05	7.6	<.1	<.05	10	<.5
13600N 7350E	.5	20.5	4.6	102	.1	35.6	11.3	535	2.65	3.4	.5	29.8	1.1	66	.2	.2	.1	73	.72	.074	8	58.3	.67	104	.209	5	2.59	.019	.20	.1	.02	5.7	<.1	<.05	8	<.5
13600N 7400E	.5	30.9	4.3	54	.1	26.3	10.6	442	2.67	1.8	.5	11.0	1.6	69	.1	.2	.1	62	.73	.097	13	45.4	.49	90	.136	4	1.99	.028	.10	.1	.02	6.1	<.1	<.05	6	<.5
13600N 7450E	.4	20.4	3.9	36	<.1	24.0	9.9	424	2.59	1.7	.5	.5	1.2	71	.1	.2	.1	73	.58	.042	9	48.2	.52	92	.180	3	1.50	.029	.15	.1	.02	5.2	<.1	<.05	5	<.5
13600N 7500E	.5	23.9	4.0	51	.1	27.8	11.5	635	2.83	2.2	.4	.7	1.4	63	.1	.2	.1	69	.67	.037	15	53.3	.59	89	.148	3	1.88	.026	.19	<.1	.02	7.7	<.1	<.05	5	<.5
13600N 7550E	.6	24.9	4.0	50	.1	22.5	10.4	737	2.69	2.3	.4	10.4	1.3	69	.1	.5	.1	75	.62	.026	13	46.1	.49	118	.147	5	1.63	.029	.14	<.1	.03	6.7	<.1	<.05	5	<.5
13600N 7600E	.5	24.9	5.2	75	<.1	29.5	12.8	790	3.24	2.9	.5	.7	1.6	49	.2	.3	.1	96	.60	.050	15	57.3	.64	136	.186	2	1.92	.030	.16	<.1	.03	7.4	<.1	<.05	6	<.5
13600N 7650E	.4	26.0	4.4	87	<.1	33.9	10.6	383	3.96	8.0	.3	<.5	1.3	39	.1	.4	.1	99	.36	.077	16	54.2	.26	107	.064	5	1.43	.012	.14	.1	.01	8.1	<.1	<.05	5	<.5
13600N 7700E	.5	34.6	4.6	89	.1	44.8	16.8	797	3.90	4.0	.4	3.1	1.3	67	.2	.5	.1	102	.57	.067	13	64.0	.51	112	.158	3	1.71	.025	.27	.1	.02	8.7	.1	<.05	5	<.5
13600N 7750E	.4	29.2	3.9	67	<.1	32.8	12.2	548	3.56	4.1	.4	1.8	1.3	51	.1	.4	.1	88	.56	.055	14	60.1	.41	118	.142	1	1.57	.025	.21	<.1	.04	8.6	<.1	<.05	5	<.5
13600N 7800E	.6	24.0	3.9	61	<.1	27.5	12.3	693	3.04	3.3	.4	2.3	1.4	58	.1	.2	.1	82	.60	.051	13	55.3	.52	118	.148	4	1.64	.028	.27	<.1	.02	7.4	<.1	<.05	5	<.5
13600N 7850E	.5	31.0	5.3	64	.1	29.9	13.0	781	3.02	2.6	.6	1.7	1.6	79	.2	.2	.1	75	.89	.046	15	54.4	.73	106	.168	3	2.13	.030	.24	.1	.03	7.5	<.1	<.05	6	<.5
STANDARD DS6	11.7	129.0	29.5	147	.3	25.1	11.0	707	2.87	21.8	7.0	49.7	3.2	41	6.4	4.4	5.3	57	.87	.080	15	186.5	.59	169	.082	18	1.95	.074	.15	3.5	.23	3.4	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13600N 7900E	.4	18.0	4.4	60	<.1	20.6	8.9	365	2.74	1.6	.4	1.0	1.5	49	.1	.2	.1	80	.48	.030	9	51.5	.45	72	.199	1	1.35	.028	.20	<.1	.01	5.5	<.1	<.05	4	<.5
13600N 7950E	.6	36.2	5.1	75	<.1	53.0	18.8	832	3.78	2.4	.6	<.5	1.5	102	.1	.3	.1	90	1.18	.093	14	85.3	1.08	91	.211	3	3.54	.034	.24	.1	.04	10.0	<.1	<.05	9	<.5
13600N 8000E	.5	52.5	6.0	88	<.1	73.5	25.3	1763	4.37	2.7	.5	<.5	1.2	88	.2	.3	.1	104	.99	.070	13	101.7	1.67	61	.230	2	3.48	.038	.15	<.1	.03	11.4	<.1	<.05	11	<.5
13400N 6000E	.3	14.2	4.7	67	.1	14.8	8.4	411	2.25	5.3	.4	<.5	1.0	83	.1	.8	.1	60	.40	.188	3	19.8	.61	62	.144	<1	2.65	.019	.06	.1	.02	4.2	<.1	<.05	8	<.5
13400N 6050E	.3	13.4	4.3	64	<.1	13.1	8.0	408	2.48	2.4	.4	<.5	.9	86	.1	1.0	.1	69	.40	.031	3	26.6	.59	87	.172	<1	1.92	.018	.10	<.1	.02	4.2	<.1	<.05	6	<.5
13400N 6100E	.2	16.0	4.4	64	<.1	13.9	6.4	358	2.21	2.1	.4	2.9	1.2	38	.1	.2	.1	57	.44	.031	8	31.7	.39	53	.128	<1	1.57	.031	.06	<.1	.01	4.0	<.1	<.05	5	<.5
13400N 6150E	.3	26.2	4.6	69	.1	23.6	9.4	482	2.82	2.9	.6	<.5	1.4	58	.1	.3	.1	69	.64	.043	11	43.1	.60	73	.124	<1	2.16	.033	.06	<.1	.04	5.5	<.1	<.05	6	<.5
13400N 6200E	.4	18.0	4.2	57	<.1	20.3	8.4	469	2.64	1.7	.3	<.5	1.1	44	.1	.2	.1	72	.53	.046	8	43.2	.49	85	.148	3	1.48	.028	.09	<.1	.01	4.3	<.1	<.05	5	<.5
13400N 6250E	.3	13.0	4.4	81	<.1	17.1	6.1	313	2.28	1.3	.3	<.5	.9	40	.1	.1	.1	59	.35	.052	3	37.6	.37	85	.148	2	1.49	.026	.13	<.1	.01	3.3	<.1	<.05	5	<.5
13400N 6300E	.3	7.5	4.4	65	<.1	10.5	3.7	212	1.32	1.2	.2	<.5	.6	22	.1	.1	.1	32	.17	.049	2	19.7	.22	83	.092	1	1.17	.018	.05	<.1	.01	1.8	<.1	<.05	4	<.5
13400N 6350E	.2	18.0	4.5	65	<.1	24.1	11.0	395	2.72	3.4	.4	1.6	1.3	41	.1	.2	.1	64	.42	.050	5	50.7	.91	71	.112	1	2.19	.017	.13	<.1	.01	5.0	<.1	<.05	8	<.5
13400N 6400E	.4	14.0	4.5	43	<.1	17.2	8.2	346	2.55	2.3	.3	.9	1.1	47	.1	.2	.1	67	.46	.024	5	41.6	.49	79	.136	1	1.45	.024	.09	<.1	.02	4.3	<.1	<.05	5	<.5
13400N 6450E	.3	10.6	4.0	61	<.1	16.2	6.5	327	2.16	2.0	.3	<.5	.7	57	.1	.2	.1	53	.40	.037	3	36.7	.50	112	.126	1	1.68	.022	.10	<.1	.02	3.3	<.1	<.05	5	<.5
13400N 6500E	.5	33.3	5.9	117	.1	62.0	21.8	796	3.94	3.9	.6	<.5	2.0	103	.1	.1	.1	87	.69	.140	8	62.9	1.82	163	.155	3	4.27	.021	.07	.1	.02	6.8	<.1	<.05	12	<.5
13400N 6550E	.4	16.1	5.0	76	.1	26.1	9.9	546	2.72	2.7	.4	<.5	1.3	61	.1	.1	.1	66	.45	.062	4	45.0	.64	94	.143	<1	2.41	.026	.13	<.1	.02	4.6	<.1	<.05	6	<.5
13400N 6600E	.5	14.6	5.5	90	<.1	24.4	9.3	650	2.59	1.2	.4	<.5	1.2	63	.1	.2	.1	70	.43	.039	4	41.3	.56	124	.166	<1	2.42	.026	.10	<.1	.01	4.4	<.1	<.05	6	<.5
13400N 6650E	.3	15.4	6.8	102	.1	29.8	14.0	688	3.47	1.5	1.0	.5	1.4	148	.1	<.1	.1	97	.75	.037	11	87.0	1.32	139	.317	<1	2.67	.021	.09	.1	.01	8.9	<.1	<.05	9	<.5
13400N 6700E	.3	17.3	7.9	119	<.1	48.6	18.5	1332	4.37	1.3	.9	<.5	1.4	100	.2	.1	.1	117	.61	.047	10	91.4	1.79	116	.287	<1	2.70	.020	.10	<.1	.01	9.0	<.1	<.05	9	<.5
13400N 6750E	.3	13.1	3.9	70	<.1	18.2	6.6	263	2.50	1.6	.3	.7	1.0	51	.1	.2	.1	65	.41	.042	4	40.5	.52	64	.163	1	1.63	.030	.13	<.1	.04	4.5	<.1	<.05	5	<.5
13400N 6800E	.3	27.1	7.6	44	.1	26.1	10.1	505	2.63	5.4	.7	1.2	1.1	115	.2	.2	.1	74	1.21	.100	9	42.0	.63	72	.111	6	1.89	.033	.09	<.1	.06	5.6	<.1	<.05	6	<.5
13400N 6850E	.3	15.4	4.6	85	<.1	24.2	8.9	423	2.81	2.7	.3	1.1	1.0	54	.1	.2	.1	68	.42	.055	4	46.3	.62	96	.128	<1	2.11	.020	.09	<.1	.03	4.1	<.1	<.05	6	<.5
13400N 6900E	.4	20.9	4.6	98	.1	29.7	10.5	551	2.93	2.7	.4	.8	1.3	56	.1	.2	.1	72	.46	.111	5	47.2	.62	100	.134	1	2.54	.023	.13	<.1	.02	5.5	<.1	<.05	7	<.5
13400N 6950E	.3	13.6	4.2	58	<.1	18.1	7.0	256	2.32	1.5	.3	<.5	.9	40	.1	.2	.1	63	.37	.047	4	41.8	.38	58	.177	1	1.63	.024	.07	<.1	.01	3.6	<.1	<.05	5	<.5
13400N 7000E	.4	9.7	3.7	48	<.1	14.1	5.9	279	2.14	1.4	.3	.6	.8	41	.1	.2	.1	58	.36	.036	3	37.1	.33	82	.167	<1	1.36	.024	.08	<.1	.01	3.3	<.1	<.05	4	<.5
13400N 7050E	.3	16.7	6.1	126	.1	31.6	11.0	596	2.95	1.2	.6	1.3	1.3	52	.2	.3	.1	78	.56	.053	6	53.0	.75	124	.236	2	2.73	.017	.11	<.1	.01	5.7	<.1	<.05	8	<.5
13400N 7100E	.3	12.8	4.8	82	<.1	24.6	8.8	465	2.10	1.2	.4	<.5	1.0	25	.1	.3	.1	53	.28	.066	4	40.1	.53	139	.151	3	2.28	.015	.08	<.1	.01	3.5	.1	<.05	7	<.5
13400N 7150E	.3	13.8	6.1	112	<.1	28.6	9.7	744	2.56	1.3	.4	2.7	1.3	40	.2	.2	.1	65	.41	.086	7	51.2	.51	137	.171	3	2.74	.018	.10	.1	.02	4.4	.1	<.05	8	<.5
13400N 7200E	.2	15.1	6.0	112	<.1	29.7	10.8	620	2.20	.8	.4	<.5	1.1	37	.2	.1	.1	54	.46	.072	7	38.9	.70	219	.138	2	2.02	.016	.11	<.1	.02	4.7	.1	<.05	7	<.5
13400N 7250E	.2	29.1	6.3	102	<.1	49.5	19.6	644	3.81	1.7	1.0	.6	2.0	96	.2	.2	.1	106	1.10	.104	13	98.2	1.36	152	.351	4	4.38	.013	.13	.1	.02	9.3	<.1	<.05	13	<.5
RE 13400N 7250E	.3	29.8	6.5	105	<.1	49.3	20.0	632	3.73	1.6	1.0	2.5	2.1	96	.2	.2	.1	104	1.08	.102	14	95.4	1.37	157	.337	3	4.41	.013	.13	.1	.02	8.9	.1	<.05	13	<.5
13400N 7300E	.3	18.5	5.1	82	<.1	29.6	12.9	457	3.40	1.4	.7	2.9	1.6	54	.1	.2	.1	87	.65	.046	9	70.5	.91	107	.207	2	2.51	.013	.10	<.1	.01	6.4	<.1	<.05	8	<.5
13400N 7350E	.3	17.8	4.7	110	.1	32.0	12.5	545	3.02	1.5	.6	8.5	1.0	47	.1	.2	.1	81	.61	.074	5	63.7	.92	79	.236	3	2.34	.011	.18	.1	.01	5.9	<.1	<.05	8	<.5
13400N 7400E	.3	63.8	1.8	22	.1	14.2	2.4	549	.50	1.8	1.0	1.3	.1	531	.3	.4	<.1	33	23.10	.157	4	14.1	.46	28	.017	28	.59	.022	.03	<.1	.04	.7	<.1	.17	2	1.5
13400N 7450E	.3	135.3	2.5	35	.2	25.7	5.1	382	1.34	1.8	.8	1.5	.5	465	.3	.2	<.1	39	16.29	.222	29	26.2	.60	86	.052	22	1.24	.040	.05	.1	.07	2.9	<.1	.16	3	1.4
STANDARD DS6	11.6	128.1	30.3	147	.3	25.0	11.1	706	2.85	21.5	6.9	49.5	3.2	41	6.2	3.7	5.2	57	.85	.078	15	184.1	.59	169	.085	18	1.96	.073	.16	3.3	.23	3.5	1.7	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13400N 7500E	.5	36.5	4.8	52	.1	28.9	12.4	686	2.72	2.5	1.0	.9	1.5	80	.1	.2	.1	64	.97	.040	13	44.7	.63	117	.132	4	1.94	.024	.11	.1	.03	6.5	<.1	<.05	6	<.5
13400N 7550E	.6	37.2	4.3	48	.1	28.9	11.5	632	2.62	3.3	.8	1.7	1.0	73	.2	.2	.1	73	.83	.054	14	49.1	.64	113	.118	2	1.80	.022	.10	.1	.03	6.1	<.1	<.05	5	<.5
13400N 7600E	.2	97.4	2.9	36	.1	26.4	4.9	170	1.31	1.4	.8	1.6	.8	481	.2	.1	.1	40	12.83	.210	17	24.3	.72	230	.057	20	1.37	.033	.04	.1	.02	3.4	<.1	.10	4	.6
13400N 7650E	.2	151.6	4.3	52	.1	34.1	8.1	149	2.13	1.6	.6	2.1	1.5	254	.1	.2	.1	57	5.30	.178	23	37.9	1.00	163	.082	10	2.08	.035	.04	<.1	.02	5.7	<.1	.08	6	<.5
13400N 7700E	.3	55.8	6.2	49	.1	25.6	11.0	343	2.35	2.0	.9	1.0	1.6	123	.2	.2	.1	46	1.48	.036	14	33.4	.81	129	.106	4	2.05	.026	.10	.1	.03	5.7	<.1	<.05	5	<.5
13400N 7750E	.5	41.0	5.1	60	.1	27.1	11.7	586	2.67	3.1	.7	1.9	1.4	88	.2	.2	.1	68	.94	.052	13	39.3	.64	121	.126	5	1.79	.024	.19	.1	.03	6.5	<.1	<.05	5	<.5
13400N 7800E	.3	57.6	5.0	64	.1	28.1	10.7	645	2.80	2.8	.5	.8	1.4	111	.2	.3	.1	66	1.26	.038	15	38.3	.69	129	.117	6	1.93	.034	.10	.1	.03	6.8	<.1	<.05	5	<.5
13400N 7850E	.5	29.8	5.3	67	.1	24.0	10.8	684	2.77	2.7	.6	.8	1.2	78	.2	.2	.1	73	.78	.062	12	45.7	.57	110	.158	3	1.83	.026	.20	.1	.03	6.5	<.1	<.05	5	<.5
13400N 7900E	.4	33.4	4.8	51	.1	25.9	11.3	624	2.80	3.0	.6	1.0	1.6	95	.1	.1	.1	75	.87	.045	14	44.0	.66	102	.169	4	1.77	.030	.20	.1	.02	6.9	<.1	<.05	5	<.5
13400N 7950E	.4	20.6	4.3	66	<.1	27.7	10.2	476	2.83	1.2	.5	.6	1.2	69	.1	.2	.1	72	.60	.059	10	49.0	.68	81	.177	4	1.99	.033	.20	.1	.01	6.9	<.1	<.05	5	<.5
13400N 8000E	.4	34.0	4.2	73	<.1	53.0	18.0	551	3.78	1.6	.5	1.8	1.2	52	.1	.2	.1	88	.63	.045	13	83.3	1.49	68	.181	<1	2.79	.020	.13	.1	.02	7.8	<.1	<.05	8	<.5
13200N 6000E	.2	26.9	5.1	80	.1	31.0	20.7	858	4.54	23.1	.8	.7	1.9	84	.1	.3	.1	74	1.09	.060	14	29.5	1.61	78	.244	1	3.01	.063	.07	.1	.02	13.3	<.1	<.05	8	<.5
13200N 6050E	.3	16.2	5.4	87	.1	11.2	9.4	772	2.84	10.0	.4	.7	1.1	58	.1	.1	.1	53	.47	.035	4	20.2	.45	90	.233	<1	1.50	.021	.06	<.1	.01	5.5	<.1	<.05	4	<.5
13200N 6100E	.3	10.8	5.7	83	.1	9.7	6.2	586	1.99	2.0	.4	.5	.7	67	.1	<.1	.1	55	.37	.029	3	13.5	.49	104	.218	1	1.64	.019	.05	<.1	.01	3.8	<.1	<.05	5	<.5
13200N 6150E	.3	9.4	5.4	81	<.1	12.2	6.4	420	2.04	1.5	.3	.5	.7	49	.1	.1	.1	56	.34	.035	3	19.4	.46	113	.177	<1	1.96	.023	.05	<.1	.01	3.2	<.1	<.05	5	<.5
13200N 6200E	.3	26.7	6.9	96	.1	31.1	20.2	1236	3.87	4.7	.7	<.5	1.1	108	.3	.3	.1	95	.89	.088	11	42.2	1.72	125	.215	2	3.60	.041	.08	.1	.03	10.0	<.1	<.05	10	<.5
13200N 6250E	.3	26.6	5.3	85	.1	29.8	16.8	530	4.08	4.4	.8	1.1	1.3	74	.1	.6	.1	106	.75	.057	9	53.0	1.63	103	.232	1	2.72	.023	.13	<.1	.02	10.4	<.1	<.05	9	<.5
13200N 6300E	.4	18.1	5.1	54	<.1	18.9	9.4	469	3.02	3.1	.4	1.1	1.0	60	.1	.3	.1	86	.59	.027	6	37.2	.56	106	.166	2	1.48	.028	.08	<.1	.02	4.5	<.1	<.05	4	<.5
13200N 6350E	.5	25.2	3.7	94	<.1	26.1	9.1	470	3.64	9.8	.3	11.9	1.3	37	.1	.8	.1	80	.44	.066	7	27.2	.15	119	.022	3	1.09	.010	.11	<.1	.02	6.5	<.1	<.05	3	<.5
13200N 6400E	.2	33.9	3.8	66	.1	30.2	15.8	434	3.91	7.0	.5	6.5	1.9	68	.1	.3	.1	96	.61	.051	11	62.7	1.37	58	.055	2	2.58	.010	.10	<.1	.01	10.0	<.1	<.05	9	<.5
13200N 6450E	.3	35.9	8.1	107	.1	36.1	17.8	975	4.04	6.2	1.1	2.5	1.6	117	.3	.5	.1	122	1.00	.053	12	33.6	1.60	116	.366	3	3.61	.020	.09	<.1	.01	9.7	<.1	<.05	12	<.5
13200N 6500E	.2	35.7	5.7	67	<.1	35.1	17.9	462	3.69	6.7	1.1	1.0	2.2	155	.2	.4	.1	99	1.37	.035	15	32.6	1.61	89	.283	2	3.86	.045	.12	<.1	.01	9.7	<.1	<.05	13	<.5
13200N 6550E	.5	26.9	6.0	80	.1	28.9	13.5	815	3.05	7.8	.9	.7	1.8	103	.2	.4	.1	78	.92	.064	11	29.3	1.36	85	.233	2	2.86	.019	.07	.1	.01	7.8	<.1	<.05	9	<.5
13200N 6600E	.3	23.8	6.3	79	.1	28.0	11.3	473	3.20	6.0	.6	1.9	1.6	75	.1	.3	.1	81	.63	.051	7	37.2	.91	83	.218	2	2.52	.022	.11	<.1	.01	6.8	<.1	<.05	7	<.5
13200N 6650E	.3	23.1	5.6	108	.1	31.7	9.6	267	2.73	3.2	.4	1.1	1.6	61	.1	.2	.1	61	.43	.187	5	39.8	.70	143	.141	2	3.02	.020	.10	.1	.01	5.1	<.1	<.05	9	<.5
13200N 6700E	.2	15.3	5.6	91	<.1	22.5	7.1	393	2.49	1.5	.4	<.5	1.3	60	.1	.1	.1	60	.44	.054	4	34.2	.47	103	.150	1	2.22	.024	.11	<.1	.02	4.4	<.1	<.05	6	<.5
13200N 6750E	.4	22.8	5.8	84	<.1	30.8	12.0	560	3.07	2.2	.6	1.8	1.7	85	.2	.2	.1	82	.65	.054	7	40.8	.87	102	.167	1	2.48	.026	.09	<.1	.03	6.3	<.1	<.05	6	<.5
RE 13200N 6750E	.4	23.1	6.2	83	<.1	32.0	12.4	569	3.16	2.4	.5	.8	1.7	86	.1	.2	.1	83	.64	.054	7	42.9	.85	102	.177	1	2.61	.028	.09	<.1	.02	6.5	<.1	<.05	7	<.5
13200N 6800E	.5	25.3	4.4	147	<.1	40.0	13.7	897	3.15	1.7	.5	2.7	1.9	92	.3	.1	.1	91	.65	.099	10	38.1	.92	130	.156	4	2.76	.027	.12	<.1	.02	5.8	<.1	<.05	7	<.5
13200N 6850E	.5	24.4	4.9	68	.1	36.6	13.1	482	3.19	2.7	.6	1.2	1.6	84	.1	.2	.1	84	.72	.063	10	46.0	1.03	103	.173	1	2.52	.027	.12	<.1	.02	7.6	<.1	<.05	7	<.5
13200N 6900E	.3	15.0	7.3	97	<.1	57.9	20.0	1180	4.22	2.1	.6	1.1	1.2	78	.2	.4	.1	105	.82	.046	9	72.5	1.37	203	.278	2	2.87	.015	.09	.1	.02	9.6	<.1	<.05	7	<.5
13200N 6950E	.2	17.4	5.6	97	.1	49.7	16.7	620	3.52	1.3	.5	1.2	1.2	65	.2	.7	.1	96	.56	.035	9	63.1	1.35	121	.251	2	3.04	.017	.06	.1	.01	9.5	<.1	<.05	8	<.5
13200N 7000E	.3	18.8	5.8	69	<.1	46.0	15.2	463	3.35	1.6	.5	.7	1.0	77	.1	.2	.1	95	.62	.024	6	55.2	1.12	119	.265	2	2.88	.016	.10	<.1	.01	9.4	<.1	<.05	8	<.5
13200N 7050E	.4	28.8	6.6	149	.2	37.3	12.3	1913	2.16	3.2	.4	<.5	.9	147	.5	.4	.1	51	1.12	.265	7	31.3	.83	209	.107	3	2.97	.013	.11	.1	.05	5.8	<.1	<.05	11	<.5
STANDARD DS6	11.6	127.4	30.5	146	.3	24.6	10.9	698	2.83	21.5	6.9	47.2	3.1	41	6.4	4.6	5.3	56	.85	.079	13	182.9	.59	167	.079	17	1.92	.072	.14	3.6	.23	3.2	1.7	<.05	6	4.6

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13200N 7100E	.4	39.3	7.2	111	.1	55.6	18.4	1156	3.77	3.6	.8	1.4	1.5	87	.4	.8	.1	98	1.18	.092	20	75.2	.89	88	.242	4	4.45	.019	.11	.1	.04	11.8	.1<.05	13	<.5
13200N 7150E	.4	16.2	5.8	77	<.1	29.1	10.9	548	3.08	2.0	.5	1.3	1.1	54	.2	.2	.1	87	.49	.049	5	58.5	.63	90	.223	4	2.44	.020	.11	<.1	.02	5.9	<.1<.05	7	<.5
13200N 7200E	.5	29.1	7.2	80	<.1	50.0	18.3	767	4.12	4.5	.8	1.5	1.6	94	.2	.3	.1	117	1.19	.055	13	83.1	1.13	95	.352	3	3.73	.021	.13	.1	.03	11.6	<.1<.05	11	<.5
13200N 7250E	.2	15.0	5.6	85	.1	25.0	9.6	339	2.66	1.8	.7	1.3	.9	45	.1	.4	.1	74	.55	.048	5	55.2	.72	76	.259	5	2.80	.016	.08	.1	.02	6.3	<.1<.05	9	<.5
13200N 7300E	.5	20.7	6.6	116	.1	47.0	17.6	829	3.72	2.6	.7	1.5	1.4	58	.2	.4	.1	99	.61	.205	7	90.8	1.07	135	.228	3	3.84	.015	.10	.1	.02	7.3	<.1<.05	14	<.5
13200N 7350E	.3	21.4	5.3	46	<.1	36.6	14.0	388	3.39	2.1	.6	3.6	1.6	80	.1	.4	.1	87	.76	.051	11	69.1	.85	75	.187	4	3.16	.025	.07	<.1	.02	7.7	<.1<.05	9	<.5
RE 13200N 7350E	.3	21.7	5.4	46	<.1	34.3	13.2	382	3.34	2.0	.7	1.5	1.7	83	.1	.5	.1	83	.75	.048	11	68.9	.82	73	.188	3	3.02	.024	.07	<.1	.02	7.6	<.1<.05	10	<.5
13200N 7400E	.2	65.3	1.8	18	.2	15.9	3.5	417	.79	1.3	.8	3.1	.1	497	.3	.5	<.1	31	23.59	.184	9	18.5	.42	29	.023	24	.71	.018	.03	.1	.05	.9	.1	.13	2	1.5
13200N 7450E	.5	25.7	4.3	84	.1	27.0	11.6	564	2.93	2.5	.5	.8	1.5	97	.1	.2	.1	73	.77	.098	10	47.1	.71	99	.145	5	2.36	.032	.20	.1	.03	6.7	<.1	.06	6	<.5
13200N 7500E	.4	29.6	4.4	69	.1	27.9	10.6	572	2.72	2.4	.5	.8	1.0	80	.2	.2	.1	69	.84	.078	9	47.2	.56	94	.150	6	1.86	.034	.16	<.1	.02	5.6	<.1<.05	6	.5
13200N 7550E	.5	44.0	5.0	60	.1	38.2	15.3	587	3.57	3.2	.6	2.0	2.0	101	.2	.3	.1	87	1.05	.042	14	65.7	1.05	131	.174	4	2.61	.054	.12	.1	.04	9.0	<.1<.05	8	.5
13200N 7600E	.4	53.1	4.9	53	.1	29.6	11.7	921	2.53	2.1	.6	9.1	1.0	117	.2	.2	.1	60	1.86	.061	12	44.7	.85	140	.120	9	2.03	.038	.11	.1	.04	5.8	<.1	.09	6	<.5
13200N 7650E	.4	18.5	3.7	62	<.1	18.4	7.1	504	2.32	1.4	.3	1.2	1.0	53	.1	.2	.1	67	.50	.038	6	42.4	.42	102	.164	5	1.39	.030	.25	<.1	.02	4.6	<.1<.05	4	<.5
13200N 7700E	.3	11.0	3.8	84	<.1	14.5	6.1	620	2.19	.9	.3	<.5	.8	35	.1	.2	.1	65	.37	.031	3	42.2	.35	78	.180	1	1.26	.030	.11	<.1	.02	3.6	<.1<.05	4	<.5
13200N 7750E	.4	19.1	6.0	125	<.1	18.3	8.0	694	2.44	1.3	.4	.7	1.3	50	.2	.1	.1	62	.58	.078	9	36.2	.48	193	.142	1	1.92	.024	.14	<.1	.02	4.7	<.1<.05	6	<.5
13200N 7800E	.4	21.8	6.2	86	.1	15.8	10.6	667	2.71	2.5	.4	.5	1.1	55	.1	.2	.1	61	.76	.075	9	25.6	.73	158	.131	1	2.36	.024	.12	<.1	.03	4.9	.1<.05	7	<.5
13200N 7850E	.5	31.4	6.9	85	<.1	20.3	13.4	934	2.93	3.5	.6	1.8	1.5	99	.2	.3	.1	59	1.01	.128	16	33.9	.72	169	.086	6	2.33	.017	.29	<.1	.05	6.1	.1<.05	7	<.5
13200N 7900E	.5	42.4	5.1	50	.1	34.8	11.8	484	2.82	2.4	.5	.6	1.2	114	.2	.2	.1	64	1.50	.068	15	58.2	.89	82	.122	4	2.70	.030	.12	<.1	.04	6.6	<.1<.05	7	.5
13200N 8000E	.5	26.1	4.5	80	.1	28.4	11.3	582	3.07	1.7	.6	.6	1.3	81	.1	.2	.1	84	.77	.080	11	61.0	.65	78	.205	7	2.26	.037	.24	<.1	.02	7.5	<.1<.05	6	<.5
13000N 6000E	.4	37.8	9.3	76	.1	44.8	20.5	1292	4.00	2.8	.8	1.9	1.8	236	.2	.4	.1	105	.91	.062	13	71.8	1.56	158	.317	1	3.80	.032	.14	<.1	.03	11.2	.1<.05	14	<.5
13000N 6050E	.4	14.2	4.7	66	<.1	20.0	8.1	302	2.58	1.4	.4	.7	.9	104	.1	.2	.1	68	.50	.049	4	36.5	.63	127	.210	<1	2.33	.023	.12	<.1	.01	4.3	<.1<.05	8	<.5
13000N 6100E	.3	36.9	5.8	80	.1	44.8	17.4	1205	3.97	3.8	1.2	1.2	2.4	144	.2	.3	.1	99	1.10	.060	20	72.4	1.44	115	.239	1	3.31	.032	.15	<.1	.03	11.9	.1<.05	11	<.5
13000N 6150E	.5	20.2	4.2	98	.1	38.0	10.7	432	3.10	4.2	.7	.6	1.5	87	.2	.7	.1	80	.67	.130	6	45.5	.99	82	.267	2	2.76	.028	.10	<.1	.02	8.5	<.1<.05	9	<.5
13000N 6200E	.2	33.5	5.2	59	.1	25.5	12.2	505	3.73	4.2	1.9	.6	1.7	65	.1	.5	.1	93	1.29	.034	24	44.3	.86	62	.125	3	2.85	.042	.05	<.1	.03	9.1	<.1<.05	9	<.5
13000N 6250E	.4	18.2	5.0	109	.1	23.8	16.2	1423	3.54	1.4	.3	<.5	1.0	76	.3	.3	.1	85	.82	.091	8	41.5	1.06	188	.123	2	2.78	.059	.12	<.1	.02	8.3	<.1<.05	8	<.5
13000N 6300E	.3	12.3	2.3	70	<.1	13.3	8.6	494	2.47	1.2	.3	<.5	.8	44	.1	.2	<.1	57	.49	.029	5	33.0	.67	63	.112	1	1.53	.045	.09	<.1	.01	6.4	<.1<.05	5	<.5
13000N 6350E	.4	27.2	4.2	142	<.1	25.8	12.7	887	3.62	7.6	.4	2.4	1.7	43	.1	.5	.1	80	.74	.083	12	48.1	.80	244	.081	6	2.42	.039	.09	<.1	.01	9.4	<.1<.05	7	<.5
13000N 6400E	.5	25.5	3.6	74	<.1	21.8	10.9	376	3.60	4.9	.5	1.5	1.3	78	.1	.3	.1	100	.71	.045	7	34.0	.63	90	.186	5	2.44	.071	.09	<.1	.01	7.4	<.1<.05	7	<.5
13000N 6450E	.3	17.1	4.0	93	<.1	19.3	9.0	539	2.34	2.9	.4	.7	.8	56	.1	.3	.1	65	.48	.066	4	24.0	.71	127	.196	4	2.43	.025	.08	<.1	<.01	4.4	<.1<.05	8	<.5
13000N 6500E	.3	34.0	6.2	117	.1	32.5	17.1	1107	3.11	7.5	.8	.8	1.1	67	.2	.3	.1	86	.82	.215	7	27.7	1.26	95	.279	3	3.96	.014	.07	.1	.02	6.6	<.1<.05	16	<.5
13000N 6550E	.5	11.4	4.3	92	<.1	18.4	7.5	391	3.02	.9	.4	.7	1.4	46	.1	.1	.1	93	.40	.025	3	21.7	.47	55	.201	2	1.94	.033	.04	<.1	.01	4.8	<.1<.05	6	<.5
13000N 6600E	.4	19.5	6.4	103	<.1	39.1	14.1	816	3.68	3.0	.8	.9	1.4	55	.2	.1	.1	105	.62	.046	9	45.0	1.01	90	.304	3	2.60	.016	.04	<.1	.01	6.4	<.1<.05	10	<.5
13000N 6650E	.3	28.3	5.8	93	.1	51.7	18.1	865	4.03	3.9	1.0	1.2	1.9	92	.2	.1	.1	102	.97	.044	17	49.4	1.42	105	.342	6	3.27	.028	.12	.1	.01	10.5	<.1<.05	11	<.5
13000N 6700E	.2	29.0	7.4	101	<.1	55.4	20.1	964	4.21	3.0	.9	1.8	2.2	52	.2	.1	.1	115	.86	.038	14	46.9	1.66	85	.407	3	3.58	.019	.10	.1	.01	10.3	<.1<.05	11	<.5
STANDARD DS6	11.5	124.4	30.3	144	.3	24.8	10.8	697	2.82	21.0	6.8	49.0	3.2	42	6.0	3.7	5.2	56	.83	.077	15	182.0	.58	169	.085	17	1.95	.071	.15	3.4	.23	3.3	1.7<.05	6	4.8

Sample type: SOIL SSB0 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
13000N 6750E	.5	15.8	5.1	74	.1	20.6	8.0	473	2.32	2.4	.5	<.5	1.3	61	.1	.2	.1	64	.45	.059	5	36.5	.51	99	.153	1	1.89	.022	.12	.1	.02	4.6	<.1	<.05	6	<.5
13000N 6800E	.5	10.1	5.2	78	<.1	14.0	5.8	764	1.99	1.6	.3	<.5	.8	63	.1	.1	.1	53	.42	.029	3	29.5	.34	102	.140	2	1.29	.018	.09	<.1	.03	2.9	<.1	<.05	4	<.5
13000N 6850E	.4	12.0	4.5	83	<.1	22.3	8.5	488	2.30	2.0	.5	.6	1.1	42	.1	.2	.1	58	.48	.037	5	26.7	.70	57	.210	4	1.67	.015	.11	.1	.01	5.4	<.1	<.05	6	<.5
13000N 6900E	.4	13.6	5.4	87	.1	18.8	7.2	666	2.27	1.8	.4	<.5	1.0	65	.1	.2	.1	64	.49	.042	4	31.1	.50	101	.161	2	1.53	.017	.09	<.1	.03	3.9	<.1	<.05	5	<.5
13000N 6950E	.4	25.5	4.6	63	.1	40.2	13.2	537	3.12	2.3	.6	30.6	1.6	87	.1	.2	.1	81	.65	.062	9	46.9	1.02	89	.162	3	2.32	.027	.14	<.1	.03	7.4	<.1	<.05	6	<.5
13000N 7000E	.3	25.9	5.5	49	.1	25.3	11.6	493	2.70	2.8	.9	.9	1.5	85	.2	.2	.1	62	.93	.042	12	54.6	.72	81	.136	5	2.23	.028	.13	<.1	.03	7.0	<.1	<.05	6	.5
13000N 7050E	.3	111.5	4.2	30	.2	51.5	16.0	430	2.37	5.0	1.5	3.0	.7	165	.1	.3	.1	64	2.19	.109	19	55.1	1.10	59	.091	8	2.27	.032	.03	<.1	.05	7.2	.1	.11	6	1.7
13000N 7100E	.4	28.9	6.0	52	<.1	41.0	15.0	526	2.96	1.9	.6	<.5	1.2	110	.2	.4	.1	86	1.14	.052	12	45.8	.84	89	.230	4	2.43	.030	.12	.1	.03	7.9	<.1	<.05	7	<.5
13000N 7150E	.3	38.8	6.4	58	.1	44.6	16.9	767	3.26	3.5	.6	.5	1.6	129	.2	1.0	.1	87	1.45	.049	14	57.1	1.02	79	.211	6	3.23	.035	.11	.1	.04	8.9	<.1	<.05	8	<.5
13000N 7200E	.3	34.8	5.0	80	.1	62.3	19.8	808	3.31	5.6	.8	<.5	1.2	107	.1	.8	.1	87	1.12	.229	12	61.0	1.16	98	.231	5	4.11	.011	.14	.1	.03	10.5	<.1	<.05	13	.5
13000N 7250E	.4	21.0	5.7	60	<.1	40.5	13.6	1024	2.63	3.9	.6	<.5	.8	121	.2	.5	.1	65	1.35	.067	10	50.4	.86	94	.188	6	2.32	.017	.14	<.1	.03	6.7	<.1	<.05	6	.5
13000N 7300E	.3	21.2	4.8	44	.1	31.8	11.4	544	2.69	4.0	.6	2.0	1.3	94	.1	.7	.1	72	.95	.044	12	46.9	.72	62	.156	5	1.94	.022	.07	.1	.04	6.4	<.1	<.05	6	<.5
RE 13000N 7300E	.3	22.3	4.6	45	.1	33.7	11.9	544	2.76	4.1	.6	.9	1.3	99	.1	.7	.1	73	1.02	.046	12	48.9	.73	63	.175	6	2.21	.025	.08	<.1	.04	6.9	<.1	<.05	6	<.5
13000N 7350E	.4	32.0	6.1	104	.1	53.2	17.8	1167	3.45	2.6	.7	<.5	1.1	114	.2	.8	.1	90	1.05	.079	12	89.3	1.18	107	.162	4	3.11	.012	.18	<.1	.03	8.5	<.1	<.05	9	<.5
13000N 7400E	.4	32.5	4.5	46	.1	33.6	12.6	528	3.08	4.4	.5	1.9	1.6	83	.1	.3	.1	89	.79	.087	13	56.3	.93	173	.128	<1	2.21	.024	.06	.1	.02	7.3	<.1	<.05	7	<.5
13000N 7450E	.5	18.3	4.1	52	<.1	20.4	8.3	567	2.27	1.8	.5	.9	1.2	62	.1	.2	.1	66	.54	.038	9	43.9	.43	102	.145	3	1.42	.020	.11	.1	.01	4.8	<.1	<.05	4	<.5
13000N 7500E	.4	16.0	4.1	48	<.1	16.6	7.7	387	2.17	1.3	.4	.9	1.1	54	<.1	.2	.1	63	.47	.046	6	37.1	.34	93	.163	1	1.17	.020	.18	<.1	.01	3.8	<.1	<.05	4	<.5
13000N 7550E	.3	87.6	1.2	26	.1	12.8	2.0	281	.39	1.0	.8	1.2	.1	589	.3	.3	<.1	24	23.81	.284	5	10.4	.48	186	.012	29	.42	.020	.03	.1	.04	.4	<.1	.17	1	1.8
13000N 7600E	.3	59.1	4.5	44	.1	34.2	12.2	459	2.90	4.0	.6	.8	1.6	108	.1	.3	.1	81	1.31	.030	17	51.5	.78	127	.140	6	2.12	.037	.09	.1	.03	7.3	<.1	.07	6	.5
13000N 7650E	.7	29.7	3.9	56	.1	24.4	11.5	860	2.44	2.2	.5	<.5	1.2	69	.2	.2	.1	62	.71	.070	11	45.0	.49	112	.134	3	1.62	.023	.19	.1	.02	6.0	<.1	<.05	5	<.5
13000N 7700E	.3	39.8	4.8	71	.1	31.5	17.4	685	3.53	1.4	.4	1.9	1.5	93	.2	.2	.1	81	1.30	.027	15	70.3	1.54	122	.124	7	2.69	.031	.16	<.1	.02	10.1	<.1	<.05	8	<.5
13000N 7750E	.2	41.0	3.3	48	.1	26.1	11.8	317	2.76	1.9	.6	<.5	1.3	119	.1	.2	.1	66	1.43	.051	13	61.7	1.04	142	.092	5	2.10	.025	.15	<.1	.02	7.1	<.1	<.05	6	<.5
13000N 7800E	.4	27.1	4.1	57	.1	25.3	9.8	415	2.90	2.5	.4	2.3	1.3	65	.1	.2	.1	79	.70	.047	11	50.7	.58	99	.149	5	1.61	.028	.18	.1	.03	6.2	<.1	<.05	5	<.5
13000N 7850E	.4	16.5	3.6	78	<.1	17.1	7.8	535	2.22	1.8	.3	1.2	.9	57	.1	.1	.1	62	.52	.042	6	40.8	.44	100	.149	4	1.20	.022	.21	<.1	.02	4.1	<.1	<.05	4	<.5
13000N 7900E	.3	64.6	1.5	26	<.1	7.2	1.1	139	.27	.8	1.0	1.5	.1	1047	.2	.1	<.1	37	25.38	.228	3	7.1	.52	114	.015	30	.35	.025	.02	.1	.02	.5	<.1	.25	1	1.0
13000N 7950E(empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13000N 8000E	.5	29.0	4.2	90	.1	30.6	12.7	621	3.20	1.8	.6	1.2	1.2	72	.1	.1	.1	83	.79	.070	14	62.1	.77	136	.207	3	2.23	.023	.25	<.1	.02	7.3	<.1	<.05	6	<.5
12800N 6000E	.2	33.6	4.8	63	<.1	39.3	16.6	542	4.05	3.1	1.1	1.4	1.8	618	.1	.6	.1	111	1.23	.046	15	68.0	1.52	167	.308	2	2.83	.032	.14	<.1	.02	11.0	.1	<.05	11	<.5
12800N 6050E	.3	30.3	5.4	66	<.1	36.5	16.5	587	3.76	2.7	1.2	1.3	1.8	184	.1	.6	.1	109	1.03	.045	17	64.2	1.17	83	.371	1	2.80	.046	.10	.1	.03	11.4	.1	<.05	10	<.5
12800N 6100E	.4	24.2	7.7	91	<.1	30.6	14.1	983	3.36	2.6	.9	1.4	1.7	170	.3	.4	.1	96	.72	.078	13	43.4	.78	116	.322	1	3.20	.027	.19	<.1	.02	7.5	.1	<.05	10	<.5
12800N 6150E	.2	15.5	5.0	64	<.1	22.1	7.9	383	2.36	1.8	.7	.8	1.2	124	.1	.3	.1	65	.56	.049	9	32.8	.61	119	.232	1	2.62	.026	.10	.1	.01	5.6	.1	<.05	8	<.5
12800N 6200E	.2	23.6	4.4	110	.1	33.1	13.6	1165	3.12	2.2	.7	1.0	1.2	193	.2	.4	.1	90	.75	.075	11	53.2	1.10	159	.224	2	2.31	.021	.15	<.1	.02	8.4	<.1	<.05	9	<.5
12800N 6250E	.5	18.9	6.0	108	<.1	23.6	10.6	1125	2.73	2.7	.6	.6	1.2	141	.3	.4	.1	75	.71	.081	8	44.8	.76	174	.235	2	1.75	.017	.13	.1	.01	6.0	<.1	<.05	7	<.5
12800N 6300E	.4	14.9	4.6	65	<.1	20.0	9.4	780	2.91	2.6	.5	.6	.9	57	.1	.5	.1	85	.45	.041	4	44.6	.64	120	.165	1	1.61	.015	.08	<.1	.02	4.2	<.1	<.05	6	<.5
STANDARD DS6	11.6	126.8	30.9	146	.3	24.7	10.7	700	2.83	21.6	8.3	48.2	3.1	40	6.2	4.5	5.3	56	.86	.079	14	182.5	.59	167	.081	16	1.95	.075	.15	3.5	.23	3.4	1.8	<.05	6	4.8

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12800N 6350E	.6	17.3	3.8	72	<.1	11.5	6.2	735	2.66	7.0	.3	<.5	.7	57	.1	.5	.1	60	.39	.037	4	24.4	.18	206	.083	4	.91	.018	.14	<.1	.01	4.0	<.1	<.05	3	<.5
12800N 6400E	.3	24.4	5.2	68	<.1	24.6	14.8	546	3.92	13.2	.7	1.0	1.5	60	.1	2.3	.1	95	.68	.039	13	34.3	1.19	63	.216	3	2.73	.015	.16	.1	.02	8.9	<.1	<.05	10	<.5
12800N 6450E	.4	15.1	4.4	60	<.1	15.0	8.1	423	3.10	4.5	.4	1.0	.8	57	.1	.5	.1	88	.40	.028	4	33.2	.55	78	.173	1	1.29	.021	.14	<.1	.01	4.2	<.1	<.05	5	<.5
12800N 6500E	.4	15.1	6.2	178	<.1	17.4	9.4	1840	2.61	4.5	.3	46.6	.7	50	.3	.5	.1	72	.39	.089	3	28.9	.63	182	.128	1	2.15	.025	.07	<.1	.02	4.3	<.1	<.05	7	<.5
12800N 6550E	.4	22.2	5.6	91	<.1	28.1	13.8	520	3.77	3.8	.5	6.0	1.1	69	.1	.6	.1	98	.55	.053	5	45.8	1.21	88	.191	2	2.57	.018	.10	<.1	.01	6.4	<.1	<.05	9	<.5
12800N 6600E	.4	12.8	5.1	60	<.1	16.6	6.0	376	2.30	2.1	.3	4.9	.7	50	.1	.2	.1	66	.38	.030	3	34.7	.41	79	.172	1	1.49	.023	.09	<.1	.02	3.4	<.1	<.05	5	<.5
12800N 6650E	.4	11.8	5.9	102	<.1	17.7	6.3	669	1.81	2.1	.3	<.5	.9	69	.1	.1	.1	47	.44	.101	4	18.2	.33	115	.128	1	2.53	.037	.07	<.1	.02	2.9	.1	<.05	7	<.5
12800N 6700E	.3	19.8	5.4	65	<.1	25.3	11.8	378	3.19	2.4	.8	.9	1.0	67	.1	.1	.1	98	.68	.033	5	28.0	.94	95	.339	1	2.91	.019	.05	<.1	.01	6.4	<.1	<.05	9	<.5
12800N 6750E	.4	24.0	4.9	96	<.1	24.0	12.4	606	2.51	9.5	.7	1.0	1.0	76	.1	.1	.1	77	.77	.164	6	19.7	.95	61	.273	2	3.22	.016	.04	.1	.01	5.2	<.1	<.05	13	<.5
12800N 6800E	.4	17.9	5.1	84	<.1	30.7	10.6	470	3.21	1.5	.6	<.5	1.1	54	.1	.1	.1	93	.57	.041	8	32.5	.96	80	.288	<1	2.37	.030	.04	<.1	.01	6.7	<.1	<.05	7	<.5
12800N 6850E	.6	23.7	6.3	89	.1	39.7	14.5	813	3.37	5.1	.6	.6	1.5	75	.1	.2	.1	80	.94	.067	9	42.7	1.20	100	.304	3	3.17	.020	.08	.1	.02	8.4	<.1	<.05	10	<.5
12800N 6900E	.4	24.8	5.6	58	<.1	39.3	14.8	398	4.09	2.3	.7	3.5	2.1	82	.1	.3	.1	116	.75	.039	15	56.4	1.15	99	.256	<1	2.76	.037	.06	<.1	.02	9.9	<.1	<.05	9	<.5
12800N 6950E	.6	11.1	4.4	64	<.1	15.5	5.9	338	2.32	1.4	.3	1.1	.8	58	.1	.1	.1	64	.43	.033	3	35.1	.39	79	.176	1	1.61	.032	.11	<.1	.03	3.8	<.1	<.05	5	<.5
12800N 7000E	.5	29.3	5.2	63	<.1	40.6	14.3	609	3.54	2.9	.5	1.2	1.5	95	.1	.2	.1	100	.73	.065	11	58.8	.96	88	.177	1	2.36	.042	.12	<.1	.03	8.2	<.1	<.05	7	<.5
12800N 7050E	.5	16.1	4.4	49	<.1	21.3	9.6	613	2.72	1.7	.4	.6	.9	74	.1	.2	.1	71	.60	.042	5	44.8	.51	88	.160	1	1.81	.032	.11	<.1	.02	4.5	<.1	<.05	6	<.5
12800N 7100E	.2	34.7	5.6	40	.1	53.0	17.6	574	3.48	2.7	.6	.7	1.5	137	.1	.3	.1	90	1.76	.034	13	119.0	1.18	68	.173	5	2.91	.040	.07	<.1	.02	9.5	<.1	<.05	7	.5
12800N 7150E	.5	44.2	6.1	84	<.1	85.9	29.0	1292	5.10	2.1	.6	<.5	1.2	151	.2	.3	.1	150	1.52	.092	14	82.9	2.36	130	.345	1	4.12	.043	.13	<.1	.06	15.6	<.1	<.05	12	<.5
12800N 7200E	.5	13.7	4.5	88	<.1	23.2	7.7	639	2.45	1.2	.3	1.3	.8	69	.2	.2	.1	66	.57	.058	4	43.0	.48	120	.194	3	1.88	.028	.18	<.1	.02	4.7	<.1	<.05	5	<.5
12800N 7250E	.5	29.5	4.2	52	<.1	52.8	17.7	535	3.60	2.5	.8	1.0	1.4	79	.1	.5	.1	98	.93	.047	14	70.8	1.20	78	.284	2	2.81	.037	.15	<.1	.02	10.8	<.1	<.05	8	<.5
12800N 7300E	.4	36.4	6.7	89	.1	71.4	21.7	1063	4.25	2.3	.7	.7	1.3	108	.2	2.5	.1	121	1.28	.067	15	107.4	1.40	153	.333	3	3.75	.031	.20	.1	.04	12.2	.1	<.05	11	<.5
12800N 7350E	.6	21.1	5.0	117	.1	30.7	9.2	989	2.33	2.0	.4	2.0	.9	63	.2	.6	.1	57	.78	.071	7	48.3	.54	132	.140	4	1.96	.023	.12	<.1	.04	5.6	<.1	<.05	6	<.5
12800N 7400E	.4	28.5	4.3	85	<.1	43.8	14.3	507	3.81	3.0	.6	1.0	1.5	79	.1	.5	.1	110	.71	.063	10	72.3	.90	144	.194	<1	2.73	.037	.10	<.1	.02	9.4	<.1	<.05	8	<.5
12800N 7450E	.4	18.9	4.6	88	<.1	20.4	9.9	609	3.02	1.5	.5	.5	1.3	49	.1	.2	.1	69	.53	.064	7	44.0	.53	200	.130	5	1.79	.021	.21	<.1	.01	5.6	<.1	<.05	6	<.5
12800N 7500E	.3	13.4	8.3	94	.1	15.1	11.4	1285	2.26	1.5	.4	<.5	1.0	53	.2	.1	.1	43	.82	.059	12	28.5	.79	226	.024	1	1.86	.010	.14	<.1	.03	6.1	<.1	<.05	5	<.5
12800N 7550E	.3	12.9	4.5	75	<.1	15.4	8.5	621	2.39	.8	.4	<.5	1.0	34	.1	.1	.1	53	.38	.043	5	33.2	.52	132	.110	1	1.46	.019	.11	<.1	.01	4.5	<.1	<.05	5	<.5
12800N 7600E	.4	60.9	5.1	48	.1	37.5	13.8	944	3.05	3.9	.6	1.3	1.7	100	.1	.2	.1	78	1.15	.031	16	53.3	.79	179	.160	4	2.33	.038	.15	<.1	.04	7.9	<.1	<.05	7	<.5
12800N 7650E	.4	48.9	6.9	92	.1	35.3	14.0	1111	3.21	2.3	.4	.6	1.2	102	.2	.2	.1	86	1.11	.055	12	59.8	1.00	154	.166	5	2.07	.038	.20	<.1	.04	7.7	<.1	<.05	7	<.5
12800N 7700E	.3	34.1	4.3	81	.1	25.3	12.4	535	3.41	1.8	.5	1.0	1.2	61	.1	.2	.1	98	.66	.041	11	62.8	.96	84	.208	2	2.12	.035	.19	<.1	.02	8.9	<.1	<.05	7	<.5
RE 12800N 7700E	.3	32.9	3.9	78	<.1	24.2	12.3	510	3.26	1.8	.5	1.2	1.2	61	.1	.2	.1	94	.66	.042	11	61.1	.95	83	.203	1	2.12	.041	.19	<.1	.02	8.5	<.1	<.05	7	<.5
12800N 7750E	.4	21.6	4.1	56	.1	18.6	7.7	485	2.57	1.3	.4	.8	1.1	60	.1	.2	.1	73	.58	.034	9	47.6	.42	95	.183	<1	1.45	.038	.17	<.1	.02	5.6	<.1	<.05	5	<.5
12800N 7800E	.5	21.8	4.6	70	.1	21.6	8.3	546	2.52	2.4	.4	.9	1.0	65	.1	.2	.1	74	.65	.057	8	48.0	.53	95	.170	2	1.63	.034	.17	.1	.03	5.4	<.1	<.05	5	<.5
12800N 7850E	.3	26.8	5.2	36	.1	23.0	10.1	358	2.51	1.7	.5	1.3	1.5	74	.1	.2	.1	70	.74	.022	12	48.5	.53	96	.179	2	1.80	.045	.10	<.1	.02	6.5	<.1	<.05	6	<.5
12800N 7900E	.2	80.9	.9	11	<.1	9.0	1.0	214	.31	<.5	.9	1.4	.1	989	.2	.2	<.1	42	26.07	.183	2	7.1	.46	146	.015	21	.33	.027	.01	.1	.02	.6	<.1	.19	1	1.1
12800N 7950E	.5	33.6	3.3	94	<.1	51.5	17.2	820	4.44	1.4	.6	1.5	1.5	95	.1	.1	.1	105	.87	.079	17	104.7	1.17	137	.109	2	3.32	.030	.27	<.1	.02	10.6	<.1	<.05	10	<.5
STANDARD DS6	11.5	126.7	29.9	146	.3	24.5	10.9	698	2.83	21.5	6.8	49.2	3.2	41	6.2	4.1	5.3	56	.86	.079	14	181.6	.59	168	.081	17	1.94	.074	.15	3.5	.23	3.3	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12800N 8000E	.4	19.8	3.8	63	<.1	21.4	8.7	446	2.83	1.4	.4	.9	1.1	69	.1	.2	.1	84	.62	.056	8	57.1	.50	79	.186	1	1.76	.035	.14	<.1	.02	5.8	<.1	<.05	5	<.5
12600N 6000E	.3	32.8	4.5	72	<.1	41.8	17.0	606	4.00	2.2	.8	<.5	2.0	174	.1	.5	.1	102	1.01	.070	16	75.1	1.59	111	.240	1	2.99	.028	.16	<.1	.02	10.3	.1	<.05	12	<.5
12600N 6050E	.3	28.5	6.4	51	.1	29.9	13.0	445	3.55	2.2	.7	1.2	1.6	518	.1	.5	.1	105	.85	.029	15	59.9	1.02	178	.288	<1	3.21	.040	.08	<.1	.03	9.4	.1	<.05	11	<.5
12600N 6100E	.3	24.3	6.5	74	<.1	31.7	12.8	774	3.36	1.9	.7	.6	1.8	230	.2	.5	.1	94	.71	.050	13	51.5	.88	147	.246	1	3.69	.035	.10	<.1	.02	8.0	.1	<.05	11	<.5
12600N 6150E	.3	18.7	5.3	64	<.1	25.8	10.6	452	2.86	1.7	.7	.9	1.4	217	.1	.4	.1	76	.78	.037	8	45.0	.76	124	.283	<1	2.90	.027	.11	<.1	.02	6.8	<.1	<.05	9	<.5
12600N 6200E	.3	17.4	4.7	52	.1	22.2	8.4	249	2.80	1.8	.7	.9	1.5	197	.1	.3	.1	79	.71	.042	7	43.8	.63	119	.259	<1	2.26	.023	.19	<.1	.01	6.4	<.1	<.05	7	<.5
12600N 6250E	.3	16.0	4.3	63	.1	21.5	7.3	287	2.51	1.5	.5	.9	1.2	123	.1	.2	.1	68	.46	.038	5	41.8	.56	129	.212	<1	2.13	.023	.10	<.1	.01	4.9	<.1	<.05	7	<.5
12600N 6300E	.4	14.7	3.8	78	<.1	17.7	7.4	405	2.39	1.5	.4	.8	1.1	83	.1	.6	.1	62	.45	.026	4	38.3	.59	94	.139	1	1.58	.020	.19	<.1	.01	5.0	<.1	<.05	6	<.5
12600N 6350E	.3	17.2	4.0	60	<.1	17.0	7.6	350	3.06	2.5	.4	<.5	1.1	74	<.1	.5	.1	85	.39	.027	5	40.3	.48	92	.149	<1	1.29	.030	.13	<.1	.02	5.5	<.1	<.05	5	<.5
12600N 6400E	.4	19.7	3.7	79	<.1	17.0	7.5	416	3.06	4.0	.4	.7	1.1	61	.1	.7	.1	83	.40	.044	8	40.6	.41	115	.136	3	1.44	.027	.14	<.1	.01	5.6	<.1	<.05	5	<.5
12600N 6450E	.5	13.5	4.1	82	.1	14.9	7.2	439	2.68	4.7	.3	4.5	.7	48	.1	1.1	.1	69	.36	.041	3	34.5	.52	83	.127	1	1.53	.023	.10	<.1	.01	3.8	<.1	<.05	5	<.5
12600N 6500E	.8	20.4	4.3	75	.1	21.3	10.4	567	3.11	15.4	.4	46.5	1.2	55	.1	1.0	.1	76	.50	.036	8	39.0	.55	87	.116	3	1.68	.021	.15	<.1	.02	5.6	.2	<.05	5	<.5
12600N 6550E	.5	24.2	4.3	65	.1	20.9	9.9	280	3.68	9.8	.4	16.1	1.4	56	.1	1.1	.1	97	.37	.045	5	41.7	.48	79	.139	2	1.50	.020	.12	<.1	.01	5.4	<.1	<.05	5	<.5
12600N 6600E	.5	14.5	4.8	60	<.1	17.6	8.4	269	2.75	4.4	.3	<.5	1.0	53	<.1	.6	.1	69	.37	.080	3	31.5	.48	86	.137	1	1.70	.013	.06	<.1	.01	3.7	<.1	<.05	6	<.5
12600N 6650E	.3	36.3	5.9	90	.1	27.1	16.4	832	3.44	8.7	.8	3.4	1.4	97	.2	1.4	.1	98	.96	.100	8	37.8	1.23	94	.265	1	3.92	.024	.10	<.1	.02	8.0	<.1	<.05	13	<.5
12600N 6700E	.2	32.1	5.5	77	.1	25.4	16.2	594	3.56	6.5	.9	1.0	1.6	107	.1	1.2	.1	109	1.37	.062	8	31.6	1.21	84	.307	1	4.04	.023	.14	<.1	.01	8.8	<.1	<.05	13	<.5
RE 12600N 6700E	.2	32.5	5.6	81	.1	25.1	16.3	603	3.56	6.6	.9	2.7	1.6	108	.1	1.2	.1	108	1.42	.062	8	32.0	1.24	82	.315	1	4.12	.023	.14	<.1	.01	9.1	<.1	<.05	13	<.5
12600N 6750E	.3	21.1	6.2	74	.1	28.5	12.5	482	3.47	3.0	.6	1.7	1.2	88	.1	.2	.1	106	.61	.060	4	37.0	.91	94	.294	2	2.80	.018	.07	<.1	.01	6.8	<.1	<.05	9	<.5
12600N 6800E	.2	34.7	7.3	90	.1	39.0	14.5	716	3.56	1.3	.6	.6	1.5	84	.1	.2	.1	96	.68	.037	12	33.7	1.34	82	.234	1	2.95	.032	.04	<.1	.02	7.7	<.1	<.05	9	<.5
12600N 6850E	.2	45.0	7.1	78	.1	46.9	16.7	561	3.82	2.0	.8	1.2	2.1	110	.1	.1	.1	106	1.09	.063	18	39.1	1.70	67	.246	1	3.05	.043	.06	<.1	.01	9.7	<.1	<.05	10	<.5
12600N 6900E	.3	14.2	5.4	59	<.1	21.4	8.3	361	2.80	1.7	.4	1.3	.9	54	.1	.2	.1	80	.45	.034	4	38.9	.54	71	.211	1	1.67	.019	.05	<.1	.01	4.2	<.1	<.05	5	<.5
12600N 6950E	.3	8.7	4.4	43	<.1	18.1	6.6	252	2.45	1.1	.3	.5	1.0	39	<.1	.1	.1	58	.37	.023	4	32.8	.38	58	.211	1	1.49	.020	.03	<.1	.01	4.5	<.1	<.05	5	<.5
12600N 7000E	.5	16.6	4.5	44	<.1	23.4	10.3	245	2.85	1.4	.4	2.0	1.1	59	<.1	.2	.1	87	.42	.024	4	49.2	.49	78	.229	<1	1.43	.026	.08	<.1	.01	4.3	<.1	<.05	4	<.5
12600N 7050E	.4	11.5	4.6	42	<.1	17.5	7.2	210	2.38	1.2	.4	.6	.8	47	.1	.2	.1	72	.35	.043	3	39.6	.42	88	.192	<1	1.53	.019	.06	<.1	<.01	3.3	<.1	<.05	5	<.5
12600N 7100E	.4	17.2	4.1	49	.1	24.2	9.0	320	2.89	1.4	.4	.7	1.1	56	.1	.2	.1	85	.47	.026	6	49.0	.54	85	.215	<1	1.45	.028	.08	<.1	.01	5.7	<.1	<.05	5	<.5
12600N 7150E	.5	11.7	3.8	67	<.1	17.7	6.4	368	2.08	1.2	.3	1.0	.9	46	.1	.1	.1	56	.32	.042	3	33.2	.40	79	.141	2	1.43	.024	.09	<.1	.01	3.6	<.1	<.05	4	<.5
12600N 7200E	.4	28.3	5.4	72	.1	47.4	15.9	573	3.74	2.7	.6	.9	1.4	90	.1	.3	.1	109	.79	.056	11	74.6	1.05	110	.270	<1	2.98	.026	.11	<.1	.03	9.2	<.1	<.05	8	<.5
12600N 7250E	.7	21.1	6.7	134	<.1	35.4	14.7	2013	3.25	1.8	.4	1.2	1.3	72	.3	.2	.1	91	.58	.061	10	50.8	.78	146	.195	1	2.56	.025	.12	<.1	.04	6.6	.1	<.05	8	<.5
12600N 7300E	.2	35.3	3.7	82	.1	78.7	23.8	652	4.21	1.9	.7	1.1	1.4	145	.1	.6	<.1	122	1.88	.055	12	95.1	1.79	71	.316	<1	4.77	.056	.12	.1	.01	13.4	<.1	<.05	13	<.5
12600N 7350E	.6	17.6	4.9	99	.1	31.9	10.6	676	2.64	3.0	.4	4.3	1.2	56	.1	.2	.1	62	.45	.182	6	46.9	.63	163	.115	2	2.66	.018	.12	.1	.01	5.3	<.1	<.05	8	<.5
12600N 7400E	.3	17.4	5.4	65	.1	24.7	17.5	638	3.38	2.9	.6	1.0	1.4	77	<.1	.2	.1	84	.70	.036	10	50.3	1.55	67	.264	1	2.76	.015	.11	<.1	.02	8.3	<.1	<.05	10	<.5
12600N 7450E	.3	19.7	5.1	69	<.1	23.2	16.6	465	3.39	1.8	.6	1.1	1.4	55	.1	.1	.1	79	.61	.039	10	48.0	1.38	113	.202	<1	2.82	.032	.11	<.1	.01	7.2	<.1	<.05	8	<.5
12600N 7500E	.3	22.9	7.6	108	<.1	28.1	20.6	1108	3.64	3.7	.7	.9	1.3	60	.2	.1	.1	82	.69	.071	11	56.1	1.63	79	.329	<1	3.59	.022	.16	<.1	.02	7.8	.1	<.05	11	<.5
12600N 7550E	.3	23.7	5.8	73	<.1	29.0	14.8	513	3.72	2.5	.7	1.5	1.6	72	.1	.1	.1	96	.63	.040	12	55.9	1.02	80	.282	2	2.78	.028	.13	<.1	.02	8.1	<.1	<.05	8	<.5
STANDARD DS6	11.5	124.7	30.4	143	.3	25.0	10.8	695	2.81	21.2	6.8	48.1	3.2	41	6.1	3.3	5.2	56	.84	.077	14	182.4	.58	166	.082	17	1.92	.071	.14	3.3	.23	3.3	1.7	<.05	6	4.2

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12600N 7600E	.4	14.4	4.5	116	.1	16.9	8.8	413	2.41	2.4	.4	.6	1.3	63	.1	.1	.1	54	.60	.112	7	25.4	.68	56	.154	4	2.53	.022	.09	.1	.02	5.2	<.1	<.05	8	<.5
12600N 7650E	.4	27.4	9.4	158	.1	23.3	12.8	1624	3.16	2.6	.5	.9	1.2	115	.2	.2	.1	76	.73	.168	9	38.1	.97	151	.147	4	3.34	.021	.12	.1	.03	6.3	.1	<.05	10	<.5
12600N 7700E	.4	23.8	5.8	64	<.1	22.9	11.0	647	3.08	1.8	.4	18.0	1.2	64	.1	.3	.1	83	.59	.052	10	43.0	.65	84	.165	2	2.05	.022	.16	<.1	.03	6.5	.1	<.05	6	<.5
12600N 7750E	.5	34.6	5.1	66	.1	25.2	12.4	712	3.07	3.5	.5	<.5	1.0	77	.2	.3	.1	78	.90	.083	15	40.0	.72	107	.125	4	2.02	.020	.16	<.1	.03	6.5	<.1	<.05	6	<.5
12600N 7800E	.4	32.4	4.2	51	.1	32.2	12.3	516	3.32	3.7	.6	1.9	1.5	88	.1	.3	.1	100	.73	.053	14	51.2	.73	108	.178	2	2.18	.041	.11	.1	.03	8.0	<.1	<.05	6	<.5
12600N 7850E	.3	143.4	3.6	32	.2	32.7	9.3	620	2.22	3.0	.4	2.2	.5	219	.2	.3	.1	57	5.71	.157	19	35.9	.57	118	.074	16	1.67	.035	.07	.1	.08	4.7	.1	.09	4	1.1
12600N 7900E	.4	47.6	6.2	46	.1	25.0	13.7	479	3.24	2.8	.4	1.4	1.7	82	.1	.2	.1	78	1.02	.033	11	39.1	.82	101	.181	3	2.44	.030	.15	<.1	.03	6.0	.1	<.05	6	.6
12600N 7950E	.5	40.8	4.6	101	.1	32.9	12.2	628	3.09	2.7	.6	1.1	1.6	84	.2	.3	.1	76	.73	.073	13	48.6	.63	143	.162	5	2.06	.023	.26	.1	.02	7.1	.1	<.05	6	<.5
RE 12600N 7950E	.5	41.3	4.7	102	.1	32.8	12.2	649	3.15	3.0	.6	2.3	1.6	86	.3	.2	.1	79	.76	.078	14	51.0	.67	144	.174	5	2.20	.025	.27	.1	.02	7.5	.1	<.05	6	<.5
12600N 8000E	.4	31.8	4.5	59	.1	29.1	11.5	600	3.07	2.8	.6	2.3	1.5	88	.1	.2	.1	86	.76	.053	14	49.1	.64	104	.182	3	2.10	.033	.17	.1	.02	7.8	<.1	<.05	6	<.5
12400N 6000E	.3	12.3	4.3	69	<.1	28.1	9.2	440	2.23	1.8	.4	.7	1.1	87	.1	.3	<.1	49	.38	.035	3	70.2	.76	97	.242	2	1.64	.027	.20	<.1	.01	4.6	<.1	<.05	5	<.5
12400N 6050E	.3	15.8	3.4	65	<.1	28.3	10.7	365	2.60	1.9	.5	<.5	.9	121	.1	.5	.1	71	.48	.051	4	48.5	1.02	124	.146	<1	2.23	.021	.16	<.1	.01	5.5	<.1	<.05	8	<.5
12400N 6100E	.3	28.8	7.9	83	<.1	39.2	16.7	932	3.53	4.1	1.1	1.1	1.6	81	.1	1.1	.1	111	1.63	.051	17	68.0	1.44	73	.364	1	4.44	.017	.24	.1	.03	12.0	.1	<.05	15	<.5
12400N 6150E	.4	24.4	8.5	90	.1	32.0	14.6	1449	3.21	3.5	.8	.6	1.7	192	.2	.6	.1	86	1.00	.058	16	57.9	.98	132	.235	1	3.53	.021	.17	<.1	.03	8.4	.1	<.05	11	<.5
12400N 6200E	.4	16.7	5.4	88	<.1	19.4	8.1	588	2.85	3.4	.4	5.9	1.0	91	.1	.5	.1	83	.47	.049	4	42.6	.50	108	.180	1	1.84	.022	.09	<.1	.01	4.3	<.1	<.05	6	<.5
12400N 6250E	.3	13.6	3.8	51	<.1	13.6	6.0	227	2.60	3.0	.3	.5	.8	86	<.1	.5	.1	73	.35	.035	3	36.3	.35	97	.135	1	1.21	.018	.09	<.1	.01	3.4	<.1	<.05	4	<.5
12400N 6300E	.3	16.4	4.1	74	.1	20.2	7.8	335	2.63	4.5	.4	.6	1.1	49	.1	.5	.1	66	.40	.035	4	42.6	.56	98	.089	1	1.54	.016	.11	<.1	.01	4.1	<.1	<.05	6	<.5
12400N 6350E	.5	21.3	3.9	135	.1	26.1	9.8	737	2.95	4.0	.4	<.5	1.2	113	.1	.6	.1	72	.54	.055	7	37.7	.86	158	.129	2	2.05	.019	.16	<.1	.02	5.6	<.1	<.05	8	<.5
12400N 6400E	.4	15.3	3.4	85	<.1	13.6	6.2	424	2.24	3.6	.3	1.0	.8	62	.1	.5	.1	57	.38	.033	4	27.1	.41	111	.115	2	1.16	.016	.14	<.1	.01	3.5	<.1	<.05	4	<.5
12400N 6450E	.3	9.1	3.4	62	<.1	8.7	3.8	314	1.71	1.9	.2	1.7	.5	33	.1	.3	.1	50	.29	.022	2	20.9	.25	59	.135	1	.92	.018	.12	<.1	.01	2.5	<.1	<.05	3	<.5
12400N 6500E	.4	14.7	3.4	55	.1	13.8	6.2	381	2.46	3.7	.3	7.3	.8	44	.1	.4	.1	71	.41	.033	5	28.2	.40	73	.154	2	1.14	.019	.11	<.1	.01	4.2	<.1	<.05	4	<.5
12400N 6550E	.4	14.7	3.9	92	<.1	15.5	7.0	598	2.58	8.8	.3	3.7	.7	54	.1	.9	.1	77	.40	.040	4	37.0	.61	80	.189	1	1.61	.019	.07	.1	.01	5.6	.1	<.05	6	<.5
12400N 6600E	.3	22.5	5.2	68	<.1	21.5	12.6	476	3.80	4.3	.8	1.5	1.3	99	.1	.5	.1	121	.67	.030	7	28.1	.98	75	.304	2	2.67	.025	.08	<.1	.02	8.7	<.1	<.05	9	<.5
12400N 6650E	.2	21.8	5.4	108	<.1	23.6	15.2	695	3.77	2.6	.8	<.5	1.2	364	.1	.6	.1	101	.60	.050	7	16.9	1.34	81	.216	1	3.34	.018	.10	<.1	.01	7.9	<.1	<.05	13	<.5
12400N 6700E	.5	10.0	2.8	62	<.1	19.2	7.3	206	3.07	.8	.3	.5	1.5	57	<.1	.1	<.1	90	.38	.033	4	19.4	.51	46	.081	1	1.80	.033	.03	<.1	.01	4.7	<.1	<.05	5	<.5
12400N 6750E	.4	8.3	4.3	73	<.1	13.2	5.0	298	2.09	.9	.5	.5	.8	41	.1	.1	.1	65	.41	.030	4	14.7	.37	55	.259	3	1.63	.017	.06	.1	.01	4.4	<.1	<.05	5	<.5
12400N 6800E	.4	9.2	4.1	78	<.1	13.6	5.3	345	2.39	.9	.3	.6	.7	39	.1	.1	.1	73	.34	.034	3	22.4	.35	62	.211	1	1.37	.017	.07	.1	.01	3.6	<.1	<.05	5	<.5
12400N 6850E	.4	23.7	6.6	80	<.1	33.0	14.3	536	3.63	1.1	.7	.6	1.4	130	.1	.1	.2	98	.76	.049	11	20.9	1.16	92	.254	1	3.08	.017	.08	.1	.02	6.9	<.1	<.05	12	<.5
12400N 6900E	.6	9.4	4.2	80	<.1	12.9	5.8	279	2.67	.6	.3	.6	.9	47	.1	.1	.1	77	.42	.031	4	14.5	.41	54	.190	1	1.49	.026	.07	.1	.01	4.2	<.1	<.05	5	<.5
12400N 6950E	.3	20.0	6.7	76	<.1	40.0	16.0	800	3.97	.8	.7	.5	1.4	76	.1	.1	.1	110	.81	.080	16	23.3	1.42	71	.261	1	2.69	.024	.07	<.1	.02	8.0	<.1	<.05	10	<.5
12400N 7000E	.3	15.4	6.3	72	<.1	25.3	9.3	333	3.35	.8	.6	1.9	1.8	72	.1	.1	.1	94	.69	.031	12	27.3	.71	86	.274	1	2.09	.023	.05	<.1	.01	7.0	<.1	<.05	7	<.5
12400N 7050E	.4	17.2	4.7	56	<.1	25.9	8.6	328	2.85	1.8	.5	1.7	1.3	76	.1	.3	.1	81	.61	.047	9	37.2	.58	81	.172	2	1.66	.027	.07	.1	.02	5.7	<.1	<.05	5	<.5
12400N 7100E	.3	15.8	4.1	33	<.1	18.1	7.8	364	2.33	1.6	.5	.7	1.1	59	.1	.2	.1	64	.63	.037	7	49.7	.41	57	.144	3	1.37	.023	.08	<.1	.02	4.8	<.1	<.05	4	<.5
12400N 7150E	.6	48.5	3.7	49	<.1	46.3	15.1	1079	3.68	5.4	.6	2.3	1.7	113	.1	.4	<.1	111	1.03	.084	17	58.1	1.06	125	.179	2	2.46	.050	.07	.1	.03	10.0	<.1	<.05	7	<.5
STANDARD DS6	11.3	125.2	30.1	142	.3	24.5	10.8	700	2.83	21.5	6.8	48.4	3.1	40	6.3	4.3	5.2	56	.86	.079	14	180.0	.59	166	.080	17	1.92	.074	.15	3.5	.22	3.3	1.7	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12400N 7200E	.3	33.5	4.3	79	<.1	55.7	17.9	548	4.11	1.2	.7	1.1	1.8	81	.1	.2	.1	89	.88	.048	15	64.8	1.13	98	.268	5	2.70	.051	.20	<.1	.02	10.2	<.1	<.05	8	<.5
12400N 7250E	.2	38.9	3.6	88	<.1	62.5	21.2	531	4.75	.7	.5	1.5	1.2	84	.1	.2	.1	122	.78	.047	11	108.7	1.67	59	.175	3	3.33	.075	.11	<.1	.01	12.2	<.1	<.05	10	<.5
12400N 7300E	.3	25.8	4.6	50	.1	38.7	13.0	526	3.58	1.7	.6	.5	1.4	80	<.1	.3	.1	99	.79	.045	11	67.5	.92	73	.254	5	2.48	.063	.16	<.1	.02	9.7	<.1	<.05	7	<.5
12400N 7350E	.4	20.5	5.2	43	.1	19.9	10.3	576	2.70	1.9	.5	6.0	1.2	99	.1	.2	.1	70	.85	.050	8	38.8	.61	81	.138	4	1.95	.036	.08	<.1	.03	5.2	<.1	<.05	6	<.5
12400N 7400E	.3	24.7	5.2	74	.1	24.0	16.5	574	3.65	3.5	.9	<.5	1.9	90	.1	.2	.1	99	.82	.041	11	49.9	1.34	82	.309	3	3.15	.043	.08	<.1	.02	9.6	<.1	<.05	9	<.5
12400N 7450E	.3	20.4	7.5	34	.1	15.6	8.2	388	2.58	1.7	.7	.9	1.4	78	.1	.2	.1	66	.75	.022	10	40.7	.50	71	.197	4	1.81	.046	.08	<.1	.02	6.1	<.1	<.05	5	<.5
12400N 7500E	.5	23.6	5.1	68	.1	24.7	11.4	647	3.28	2.3	.7	1.1	1.6	76	.1	.2	.1	89	.67	.063	12	53.8	.70	113	.224	2	2.39	.040	.17	<.1	.02	7.8	<.1	<.05	6	<.5
12400N 7550E	.4	33.0	6.6	73	.1	27.2	16.8	827	4.18	4.4	1.0	2.0	2.1	93	.1	.3	.1	109	.90	.037	16	62.8	1.02	83	.334	2	3.14	.038	.14	<.1	.03	10.3	<.1	<.05	9	<.5
12400N 7600E	.2	42.0	5.9	82	.2	29.4	20.1	496	4.70	3.7	1.0	.7	2.1	112	.1	.3	.1	99	.95	.045	14	66.9	1.79	68	.297	3	3.51	.043	.14	<.1	.01	10.2	<.1	<.05	11	<.5
12400N 7650E	.3	26.7	4.6	54	.1	23.1	11.0	261	3.72	3.6	.7	9.8	1.4	80	.1	.4	.1	101	.73	.032	11	54.2	.97	77	.275	4	2.46	.053	.11	.1	.03	7.9	.1	<.05	7	<.5
12400N 7700E	.3	22.2	4.1	38	<.1	20.7	8.4	322	2.97	1.9	.5	2.2	1.4	76	.1	.2	.1	89	.64	.036	9	52.0	.47	80	.225	4	1.70	.058	.08	<.1	.01	6.4	<.1	<.05	5	<.5
RE 12400N 7700E	.4	21.8	3.9	39	.1	21.0	8.1	314	2.91	1.9	.5	.7	1.3	76	.1	.2	.1	89	.62	.035	9	51.1	.47	79	.225	3	1.70	.061	.08	<.1	.01	6.3	<.1	<.05	5	<.5
12400N 7750E	.4	37.1	5.2	69	.1	26.8	10.9	668	2.87	3.5	.7	.8	1.4	96	.2	.2	.1	70	1.13	.069	13	44.8	.62	128	.143	5	2.34	.037	.16	<.1	.03	6.8	<.1	<.05	7	<.5
12400N 7800E	.4	16.1	4.3	92	<.1	18.3	7.1	615	2.54	.9	.4	<.5	1.2	63	.1	.1	.1	60	.43	.039	5	38.1	.51	116	.159	3	2.19	.033	.14	<.1	.03	4.8	.1	<.05	6	<.5
12400N 7850E	.4	20.6	4.5	103	<.1	24.3	10.1	538	3.40	1.2	.5	3.2	1.8	84	.1	.2	.1	85	.57	.043	8	50.4	.71	123	.183	3	2.76	.051	.12	<.1	.02	7.5	.1	<.05	8	<.5
12400N 7900E	.3	51.3	5.8	62	.1	26.0	9.3	408	2.96	3.2	.7	1.8	1.9	85	.1	.2	.1	62	1.07	.068	14	42.2	.54	79	.138	6	2.75	.037	.08	<.1	.04	6.4	.1	<.05	7	.5
12400N 7950E	.5	23.7	5.1	76	<.1	25.8	11.9	735	3.28	2.0	.6	1.1	1.6	75	.1	.3	.1	92	.59	.062	9	60.1	.65	109	.216	3	2.56	.031	.12	<.1	.02	7.1	.1	<.05	7	<.5
12400N 8000E	.6	35.1	5.5	54	.1	30.3	13.1	609	3.31	1.9	.6	.8	1.9	100	.1	.2	.1	81	1.02	.040	13	52.9	.76	111	.214	5	2.35	.053	.21	<.1	.07	8.0	<.1	<.05	7	<.5
STANDARD DS6	11.3	127.3	31.1	144	.3	23.5	10.7	677	2.87	19.4	7.3	46.8	3.9	42	6.5	3.7	5.6	58	.81	.070	16	172.5	.62	162	.086	17	1.93	.074	.15	3.0	.23	3.4	1.8	<.05	6	4.3

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-2 File # A504866 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.6	2.2	2.4	38	<.1	6.4	3.5	479	1.61	<.5	2.3	<.5	3.7	50	<.1	<.1	.1	29	.42	.074	7	79.2	.51	170	.102	1	.85	.072	.43	.2	<.01	2.1	.3	<.05	4	<.5
12200N 6000E	.2	31.4	4.6	71	<.1	69.6	24.7	961	3.53	6.8	.7	<.5	1.7	215	.1	.8	<.1	73	.87	.045	11	147.4	2.24	116	.263	2	1.80	.027	.16	<.1	.01	8.2	<.1	<.05	9	<.5
12200N 6050E	.3	15.6	3.8	61	<.1	30.5	9.6	426	2.71	2.1	.5	1.2	1.4	119	.1	.4	<.1	58	.61	.052	8	81.9	.79	78	.237	2	1.47	.026	.27	<.1	.01	6.7	<.1	<.05	6	<.5
12200N 6100E	.3	11.9	4.2	97	<.1	22.8	8.0	603	2.00	1.6	.3	<.5	.9	104	.1	.2	<.1	46	.43	.056	2	53.4	.65	112	.214	1	1.56	.026	.21	<.1	.02	3.4	<.1	<.05	5	<.5
12200N 6150E	.3	18.5	4.0	73	.1	48.0	15.9	455	3.04	3.3	.5	<.5	1.7	149	.1	.3	<.1	63	.62	.175	3	91.4	1.25	126	.242	1	2.77	.030	.32	<.1	.01	5.9	<.1	<.05	8	<.5
12200N 6200E	.4	9.2	3.5	46	<.1	10.6	4.7	292	2.10	2.1	.2	<.5	.6	46	.1	.3	.1	59	.28	.027	2	26.7	.26	70	.147	1	1.02	.020	.08	<.1	.01	2.4	<.1	<.05	4	<.5
12200N 6250E	.4	12.6	3.4	107	.1	10.7	5.4	813	1.99	2.0	.2	7.3	.6	47	.2	.3	.1	57	.29	.048	2	26.5	.28	107	.134	1	1.00	.020	.10	<.1	.01	2.8	<.1	<.05	4	<.5
12200N 6300E	.4	17.0	3.8	56	.1	17.4	7.7	378	2.83	4.6	.5	2.1	1.1	71	.1	.5	.1	83	.50	.046	8	37.2	.49	86	.155	3	1.35	.020	.15	<.1	.02	5.3	<.1	<.05	5	<.5
12200N 6350E	.2	10.7	3.8	25	.1	17.0	10.0	516	2.56	13.7	.4	1.6	.9	144	.1	.4	<.1	58	2.95	.036	5	33.8	.77	44	.101	9	1.58	.037	.03	<.1	.01	5.2	.1	.07	5	<.5
12200N 6400E	.4	30.6	4.8	70	.1	27.2	13.5	807	3.31	9.4	.6	20.3	1.4	84	.1	.6	.1	83	.76	.059	12	43.2	.71	84	.132	5	2.11	.027	.10	.1	.02	7.1	<.1	<.05	6	<.5
12200N 6450E	.3	12.9	4.0	73	.1	13.1	6.0	340	2.39	3.3	.3	16.7	.8	44	.1	.3	.1	68	.38	.044	3	30.5	.40	70	.177	2	1.29	.021	.09	<.1	.01	3.6	<.1	<.05	4	<.5
12200N 6500E	.4	10.4	4.2	64	<.1	12.5	5.3	431	2.09	2.4	.2	1.4	.7	40	.1	.2	.1	55	.34	.041	3	25.8	.31	74	.160	2	1.28	.018	.13	<.1	.01	3.0	<.1	<.05	4	<.5
12200N 6550E	.4	15.0	4.1	101	<.1	17.6	8.4	696	3.02	3.2	.4	2.2	.9	62	.1	.4	.1	92	.48	.036	5	33.4	.60	89	.218	3	1.63	.026	.15	<.1	.01	5.2	<.1	<.05	5	<.5
12200N 6600E	.2	40.5	3.9	68	<.1	24.8	17.0	716	3.37	2.6	.9	.5	1.5	118	.1	.2	.1	101	1.10	.023	12	23.1	2.00	52	.291	2	2.61	.056	.08	.1	<.01	9.1	<.1	<.05	9	<.5
12200N 6650E	.2	19.3	4.6	60	<.1	19.2	11.1	394	3.28	3.7	.6	<.5	1.1	63	<.1	.3	.1	83	.57	.022	5	23.8	.98	79	.333	1	2.61	.029	.04	<.1	<.01	7.5	<.1	<.05	8	<.5
12200N 6700E	.2	28.3	3.5	58	.1	18.1	10.7	493	3.21	1.6	.6	<.5	1.1	72	<.1	.1	.1	85	.78	.034	9	24.2	1.28	51	.282	1	2.84	.037	.05	<.1	.01	8.1	<.1	<.05	9	<.5
12200N 6750E	.2	20.9	4.0	61	<.1	18.0	9.7	368	2.62	1.8	.6	<.5	1.3	147	.1	.1	.1	66	.81	.033	8	20.2	1.04	67	.253	2	2.89	.041	.05	<.1	.01	6.6	<.1	<.05	9	<.5
12200N 6800E	.3	20.9	4.2	67	<.1	28.8	11.4	414	3.49	.9	.6	<.5	1.4	94	.1	.1	.1	100	.71	.043	10	33.3	1.05	61	.273	2	2.67	.046	.09	<.1	<.01	7.6	<.1	<.05	8	<.5
12200N 6850E	.5	10.8	3.5	62	<.1	20.3	6.1	297	2.44	<.5	.3	<.5	1.0	45	.1	.1	.1	63	.38	.023	4	28.8	.35	48	.215	2	1.34	.039	.07	<.1	.01	4.7	<.1	<.05	4	<.5
12200N 6900E	.3	17.7	4.9	41	<.1	21.8	9.5	279	3.42	1.1	.6	<.5	1.5	96	<.1	.1	.1	102	.57	.024	7	38.9	.64	84	.289	2	1.92	.030	.05	<.1	.01	6.6	<.1	<.05	5	<.5
12200N 6950E	.3	14.6	5.0	48	<.1	23.0	8.6	293	3.25	.9	.5	18.8	1.2	63	<.1	.2	.1	99	.46	.019	6	44.2	.51	83	.254	1	1.65	.023	.05	<.1	.01	5.4	<.1	<.05	5	<.5
12200N 7000E	.5	17.3	4.6	89	<.1	28.3	10.1	398	3.25	1.3	.4	<.5	1.4	66	.1	.1	.1	86	.54	.074	7	26.8	.70	81	.195	3	2.82	.028	.07	<.1	.02	5.2	<.1	<.05	8	<.5
12200N 7050E	.5	26.7	5.3	65	.1	33.1	11.5	612	3.16	2.1	.6	1.9	1.3	90	.1	.2	.1	90	.89	.051	12	41.8	.85	81	.214	2	2.18	.026	.13	<.1	.03	7.6	<.1	.06	6	<.5
12200N 7100E	.2	31.1	3.6	61	.1	63.9	19.2	512	4.28	.5	.5	.5	1.6	112	.1	.1	.1	88	1.01	.048	21	59.7	1.30	92	.135	3	3.64	.053	.20	<.1	.03	15.4	<.1	<.05	10	<.5
12200N 7150E	.4	32.4	5.8	114	<.1	76.8	23.0	1330	4.01	1.4	.5	<.5	1.1	108	.1	.1	.1	105	1.20	.085	11	63.9	1.51	95	.286	5	4.01	.040	.14	<.1	.03	10.9	<.1	<.05	12	<.5
12200N 7200E	.3	41.8	3.3	72	.1	79.7	23.7	560	4.44	1.4	.6	.9	1.2	133	.1	.2	<.1	124	1.74	.063	12	77.9	1.78	58	.315	3	4.16	.058	.15	.1	.02	13.3	<.1	<.05	12	<.5
12200N 7250E	.3	9.2	3.9	78	<.1	15.6	6.2	498	2.11	.9	.3	3.5	.6	38	.1	.2	.1	62	.42	.027	3	30.7	.41	74	.216	1	1.29	.020	.09	<.1	.01	3.8	<.1	<.05	4	<.5
12200N 7300E	.3	15.3	4.4	65	<.1	28.1	9.2	212	2.49	1.7	.4	1.0	1.3	49	.1	.1	.1	59	.42	.094	4	35.4	.59	122	.167	1	2.42	.023	.09	<.1	.01	4.8	<.1	<.05	6	<.5
12200N 7350E	.4	15.8	4.4	48	<.1	26.6	11.2	461	2.98	1.7	.6	<.5	1.0	56	.1	.1	.1	87	.64	.024	7	39.5	.85	74	.245	3	2.45	.026	.06	<.1	.01	6.1	<.1	<.05	8	<.5
12200N 7400E	.3	20.1	4.7	69	.1	30.4	14.6	481	3.59	1.7	.6	1.7	1.1	71	<.1	.1	.1	99	.66	.061	9	45.2	1.17	96	.207	1	3.30	.018	.07	<.1	.02	6.6	.1	<.05	10	<.5
12200N 7450E	.4	22.8	5.8	86	.1	27.2	13.6	772	3.19	2.2	.6	3.3	1.2	75	.1	.1	.1	83	.87	.081	13	38.6	1.16	97	.216	2	2.99	.019	.10	<.1	.03	6.9	.1	<.05	10	<.5
RE 12200N 7450E	.3	22.5	5.7	85	.1	28.3	13.4	790	3.18	1.9	.6	1.4	1.2	72	.1	.1	.1	83	.86	.080	12	37.0	1.15	99	.207	2	3.00	.019	.10	<.1	.04	6.7	.1	<.05	9	<.5
12200N 7500E	.5	22.2	6.2	69	.1	28.7	14.0	1021	3.18	2.7	.4	.6	1.5	72	.1	.1	.1	76	.88	.054	15	40.6	.92	188	.134	3	2.55	.024	.20	<.1	.04	7.0	<.1	<.05	7	<.5
12200N 7550E	.4	26.9	5.3	91	.1	23.6	11.8	1481	2.57	2.0	.5	1.3	.9	74	.2	.1	.1	57	.94	.109	18	31.7	.70	192	.063	1	2.33	.011	.14	<.1	.05	5.5	<.1	.06	6	<.5
12200N 7600E	.4	17.1	4.3	44	<.1	16.8	9.6	619	2.35	1.4	.4	.6	.7	73	.1	.1	.1	61	.73	.040	7	28.0	.61	103	.182	3	1.61	.015	.09	<.1	.02	4.4	<.1	<.05	5	<.5
STANDARD DS6	11.9	126.2	30.1	146	.3	25.5	11.1	726	2.89	21.3	6.7	46.6	3.1	40	6.3	3.5	5.1	57	.86	.079	14	189.7	.60	167	.082	17	1.97	.075	.16	3.4	.24	3.4	1.8	<.05	7	4.5

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ____ DATE RECEIVED: AUG 22 2005 DATE REPORT MAILED: Sept. 12/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12200N 7650E	.4	14.4	4.0	77	<.1	16.0	7.1	602	2.26	1.1	.3	<.5	.9	46	.1	.1	.1	60	.42	.032	5	35.6	.43	107	.149	2	1.55	.025	.11	<.1	.03	3.8	<.1	<.05	5	<.5
12200N 7700E	.4	20.8	4.3	66	.1	20.3	10.6	512	2.70	1.3	.4	1.4	.8	43	.1	.1	.1	66	.46	.051	6	33.6	.87	76	.151	2	2.33	.017	.09	<.1	.02	4.9	<.1	<.05	8	<.5
12200N 7750E	.5	22.7	4.8	67	<.1	36.8	13.1	379	2.75	2.5	.3	2.2	1.2	111	.1	.1	.1	52	.50	.133	5	35.2	.94	98	.098	2	2.82	.027	.06	<.1	.02	3.1	<.1	<.05	8	<.5
12200N 7800E	.3	35.4	6.4	98	.1	27.1	17.7	769	3.73	3.1	.3	.6	.7	135	.1	.2	.1	73	.85	.136	8	34.3	1.27	72	.143	3	3.01	.017	.11	<.1	.03	5.2	.1	<.05	9	<.5
12200N 7850E	.4	20.6	4.0	71	.1	28.3	8.2	393	2.50	1.0	.4	1.3	1.4	303	.1	.1	.1	50	.66	.041	9	85.5	.57	117	.109	4	2.27	.021	.14	<.1	.02	6.0	<.1	<.05	7	<.5
12200N 7900E	.4	21.3	6.0	115	.1	30.6	14.8	944	3.13	1.4	.3	1.2	.9	105	.2	.1	.1	61	.68	.107	7	36.2	1.10	100	.126	3	2.87	.014	.13	.1	.03	3.9	.1	<.05	9	<.5
12200N 7950E	.4	23.6	4.9	76	.1	24.8	10.3	485	2.61	1.7	.4	.6	1.2	61	.1	.1	.1	56	.65	.108	8	35.2	.66	88	.102	3	2.19	.019	.19	<.1	.02	4.0	<.1	<.05	7	<.5
12200N 8000E	.4	49.8	3.9	38	.1	35.4	14.0	831	2.71	4.3	3.0	2.4	1.2	129	.2	.5	.1	113	2.00	.101	16	77.3	.76	109	.102	5	1.54	.038	.08	.1	.07	5.9	<.1	<.05	5	.7
12000N 6000E	.3	17.7	5.1	61	<.1	30.8	11.3	449	3.59	1.6	.5	1.8	1.7	93	<.1	.5	.1	96	.53	.047	8	66.1	.85	96	.141	2	2.15	.044	.16	<.1	.02	6.7	<.1	<.05	6	<.5
12000N 6050E	.2	23.6	4.3	54	<.1	37.9	13.4	383	3.79	1.7	.6	1.0	2.1	108	<.1	.5	.1	89	.63	.032	17	75.1	1.01	87	.102	1	2.44	.046	.15	<.1	.02	9.3	<.1	<.05	7	<.5
12000N 6100E	.4	9.7	3.3	70	<.1	10.8	4.8	398	1.85	1.1	.2	<.5	.6	68	<.1	1.0	.1	46	.30	.037	2	36.0	.25	86	.079	1	1.12	.021	.18	<.1	.01	2.5	<.1	<.05	3	<.5
12000N 6150E	.2	14.9	4.1	52	<.1	27.0	9.3	322	2.71	1.5	.3	.6	1.0	89	<.1	2.1	.1	68	.38	.025	3	62.6	.69	86	.190	1	1.77	.041	.13	<.1	.01	4.2	<.1	<.05	5	<.5
12000N 6200E	.3	13.5	4.2	63	<.1	24.3	9.5	525	2.51	1.8	.4	<.5	1.2	95	<.1	2.2	<.1	63	.42	.026	4	64.4	.64	93	.128	1	1.56	.034	.22	<.1	.02	4.1	<.1	<.05	5	<.5
12000N 6250E	.3	17.4	3.6	72	<.1	27.6	9.2	667	2.62	4.2	.4	1.4	1.1	59	<.1	1.2	<.1	62	.45	.029	5	68.6	.81	77	.082	2	1.71	.026	.16	<.1	.03	4.9	.1	<.05	5	<.5
12000N 6300E	.3	23.4	4.4	64	<.1	29.1	13.4	576	3.24	5.5	.5	5.6	1.4	99	.1	.8	.1	84	.58	.040	8	57.3	.76	112	.165	2	1.71	.038	.23	<.1	.03	6.1	<.1	<.05	5	<.5
12000N 6350E	.5	16.8	3.8	40	<.1	20.0	9.3	338	2.93	3.7	.4	3.4	.8	53	.1	.3	.1	90	.51	.021	4	45.4	.52	63	.248	1	1.30	.026	.10	<.1	.01	4.6	<.1	<.05	4	<.5
12000N 6400E	.5	15.1	4.6	71	.1	20.1	8.3	467	3.04	4.2	.3	6.0	.7	64	.1	.6	.1	76	.42	.036	3	36.2	.55	85	.183	2	1.37	.018	.10	<.1	.01	4.1	<.1	<.05	5	<.5
12000N 6450E	.4	18.8	4.5	70	.1	29.7	12.5	493	3.56	5.2	.3	1.1	.9	70	.1	.5	.1	88	.52	.048	4	41.9	.77	78	.228	2	1.93	.027	.12	<.1	.01	6.1	<.1	<.05	6	<.5
12000N 6500E	.4	17.8	4.5	55	.1	20.3	8.3	288	3.38	4.0	.5	4.8	1.0	58	.1	.5	.1	104	.47	.035	4	40.7	.51	75	.226	2	1.48	.031	.09	<.1	.01	4.8	<.1	<.05	5	<.5
12000N 6550E	.3	13.5	3.7	47	.1	11.2	6.4	235	2.66	3.7	.3	1.3	.7	81	<.1	1.0	.1	66	.35	.035	3	24.1	.33	80	.119	2	1.47	.029	.08	<.1	.01	3.7	<.1	<.05	4	<.5
12000N 6600E	.2	30.5	3.5	60	<.1	44.8	17.2	454	3.78	1.0	.4	.6	1.2	77	<.1	.1	.1	76	.71	.031	7	49.8	1.37	67	.146	1	3.41	.064	.23	<.1	.01	11.1	<.1	<.05	9	<.5
12000N 6650E	.2	26.5	4.5	61	<.1	58.8	22.9	484	3.76	1.4	.3	.7	1.2	73	<.1	.1	.1	77	.77	.064	3	34.9	1.71	98	.268	2	3.79	.057	.19	<.1	.01	8.8	<.1	<.05	10	<.5
12000N 6700E	.3	32.4	3.5	60	<.1	92.1	23.0	576	4.10	.7	.6	.6	1.7	50	.1	.1	<.1	75	.94	.036	11	36.9	2.12	42	.256	1	2.16	.061	.09	.1	.01	9.5	<.1	<.05	7	<.5
12000N 6750E	.5	22.9	4.3	53	<.1	55.5	16.4	505	3.74	.8	.6	.8	1.8	90	.1	.1	<.1	86	.99	.043	16	46.9	1.07	89	.265	2	2.70	.052	.11	.1	.01	9.1	<.1	<.05	8	<.5
12000N 6800E	.6	15.1	4.0	64	<.1	39.0	12.2	376	3.04	.9	.4	1.0	1.1	64	.1	.1	.1	75	.56	.040	3	36.6	.83	77	.242	1	2.25	.031	.09	<.1	.01	4.9	<.1	<.05	6	<.5
12000N 6850E	.5	13.2	5.1	53	<.1	19.3	8.0	316	3.05	1.1	.4	1.4	.9	61	.1	.2	.1	95	.44	.025	4	38.6	.43	71	.252	1	1.69	.029	.04	<.1	.01	4.5	<.1	<.05	5	<.5
12000N 6900E	.4	15.9	4.8	58	<.1	22.3	9.3	327	3.23	1.2	.5	1.4	1.1	84	.1	.2	.1	104	.55	.031	4	39.5	.53	79	.273	2	1.96	.038	.06	<.1	.01	5.0	<.1	<.05	5	<.5
12000N 6950E	.4	13.2	4.5	57	<.1	14.6	6.5	260	2.43	1.0	.4	.9	.9	60	<.1	.1	.1	70	.48	.024	3	27.5	.42	76	.227	1	1.78	.036	.06	<.1	.01	4.1	<.1	<.05	5	<.5
RE 12000N 6950E	.3	13.2	4.5	59	<.1	15.1	6.4	263	2.53	.9	.4	1.1	1.0	61	<.1	.1	.1	73	.49	.025	3	28.3	.44	76	.232	1	1.85	.038	.07	<.1	.01	4.1	<.1	<.05	5	<.5
12000N 7000E	.2	30.6	3.9	66	<.1	24.1	12.0	407	3.63	.6	.7	1.2	1.8	147	.1	<.1	.1	95	1.09	.043	14	28.1	1.05	60	.266	2	2.93	.107	.20	<.1	.01	9.6	<.1	<.05	9	<.5
12000N 7050E	.4	8.2	3.8	71	<.1	12.4	4.9	482	2.06	.9	.2	.9	.6	36	<.1	.1	.1	57	.36	.027	3	31.7	.27	62	.171	2	1.30	.029	.11	<.1	.01	2.9	<.1	<.05	4	<.5
12000N 7100E	.3	33.6	4.0	95	<.1	77.0	23.6	794	4.75	1.1	.7	.5	1.3	72	.1	.1	<.1	138	1.15	.049	13	97.8	1.95	96	.318	2	4.08	.040	.13	<.1	.03	12.7	<.1	<.05	12	<.5
12000N 7150E	.5	28.1	4.1	55	.1	35.0	18.5	1118	3.23	4.9	.3	.5	1.4	66	.1	.2	.1	85	.98	.037	11	38.4	.92	128	.063	9	2.13	.027	.14	<.1	.08	7.8	.1	<.05	7	.6
12000N 7200E	.4	15.3	5.4	63	<.1	27.2	12.7	389	3.04	2.4	.6	1.1	.9	35	.1	.1	.1	86	.71	.040	6	28.4	1.08	58	.364	2	3.28	.021	.13	.1	.01	7.1	<.1	<.05	10	<.5
STANDARD DS6	11.7	124.1	29.3	143	.3	25.4	10.9	708	2.87	20.9	6.6	46.7	3.1	41	6.0	3.4	4.9	58	.87	.078	15	189.4	.59	166	.085	16	1.98	.075	.17	3.4	.23	3.3	1.8	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
12000N 7250E	.4	22.8	5.7	142	.1	31.0	14.1	1056	3.03	2.8	.6	5.0	1.1	66	.2	.2	.1	78	.96	.172	7	30.2	1.13	116	.256	3	3.51	.012	.14	.1	.03	7.4	<.1	<.05	12	<.5
12000N 7300E	.3	14.1	5.6	96	<.1	21.5	10.6	468	2.45	2.0	.6	.5	1.1	33	.1	.1	.1	71	.42	.098	6	27.7	.82	82	.238	1	2.58	.016	.07	<.1	.01	6.0	<.1	<.05	9	<.5
12000N 7350E	.4	21.7	8.8	103	<.1	30.1	16.7	1609	3.24	1.4	.6	.6	1.4	58	.2	.1	.1	74	.65	.051	17	36.4	1.04	231	.097	1	2.33	.013	.17	<.1	.03	5.7	<.1	<.05	7	<.5
12000N 7400E	.3	18.9	4.5	98	<.1	25.3	11.2	746	2.76	1.8	.3	.6	1.0	36	.1	.1	.1	68	.54	.069	11	33.3	.89	277	.051	1	2.08	.015	.14	<.1	.02	5.2	.1	<.05	7	<.5
12000N 7450E	.4	39.3	5.4	80	.1	25.6	12.8	819	2.96	1.8	.3	.7	1.2	62	.2	.1	.1	61	1.04	.182	23	35.3	.95	318	.030	4	2.08	.013	.26	.1	.04	6.2	<.1	<.05	7	<.5
12000N 7500E	.3	54.2	4.7	41	.1	26.6	10.5	741	2.86	4.1	.6	1.5	.9	97	.2	.2	.1	68	1.59	.042	19	36.2	.70	128	.070	5	2.09	.020	.09	.1	.05	6.5	<.1	<.05	6	<.5
12000N 7550E	.3	45.9	3.8	47	.1	41.8	15.8	259	2.84	3.2	1.7	1.8	1.4	133	.1	.4	.1	187	1.62	.075	14	68.3	1.18	131	.131	3	2.00	.062	.04	<.1	.04	7.6	<.1	<.05	6	.9
12000N 7600E	.2	22.2	3.7	73	.1	33.2	15.4	427	3.25	1.2	.4	<.5	.9	42	.1	.1	.1	74	.46	.076	7	45.8	1.21	97	.067	<1	2.76	.012	.06	<.1	.01	5.3	.1	<.05	9	<.5
12000N 7650E	.5	25.8	6.0	99	<.1	21.1	14.5	1513	3.06	1.9	.3	<.5	.8	48	.2	.1	.1	67	.54	.070	8	30.7	.98	187	.081	1	2.50	.015	.09	<.1	.02	4.6	.1	<.05	8	<.5
12000N 7700E	.5	28.1	6.7	80	<.1	25.7	18.5	1340	4.11	1.7	.5	.6	1.1	77	.2	.2	.1	87	.65	.065	12	50.9	1.32	104	.205	<1	3.16	.014	.13	<.1	.02	7.3	<.1	<.05	9	<.5
12000N 7750E	.2	43.5	5.5	77	.1	50.2	25.8	1141	5.19	1.0	.6	2.0	.8	75	.2	.1	<.1	93	1.12	.073	15	125.2	1.93	69	.277	2	3.28	.011	.15	.1	.02	7.7	<.1	<.05	10	<.5
12000N 7800E	.6	14.1	4.6	66	.2	16.7	7.3	501	2.15	1.7	.2	.6	.6	58	.2	.2	.1	61	.71	.050	4	31.2	.45	73	.159	2	1.46	.017	.12	<.1	.03	3.4	<.1	<.05	5	<.5
12000N 7850E	.5	11.1	5.3	75	<.1	12.2	6.4	1046	1.46	1.3	.2	<.5	.4	61	.3	.1	.1	35	.66	.056	4	18.0	.37	109	.086	2	1.11	.013	.08	<.1	.03	2.1	<.1	<.05	4	<.5
12000N 7900E	.5	19.1	4.3	108	.1	15.5	6.6	1357	1.57	1.5	.2	<.5	.7	60	.2	.1	.1	35	.67	.071	5	19.4	.32	141	.078	4	1.34	.017	.11	<.1	.04	2.7	<.1	<.05	4	<.5
12000N 7950E	.5	19.5	3.9	54	.1	22.7	10.0	529	2.70	2.1	.4	.9	1.0	58	.1	.2	.1	79	.53	.053	7	49.0	.54	95	.169	2	1.53	.024	.19	<.1	.02	4.7	<.1	<.05	5	<.5
12000N 8000E	.4	11.1	4.1	53	<.1	16.6	6.0	250	2.15	.9	.3	<.5	.7	38	.1	.1	.1	60	.34	.025	3	35.4	.40	75	.176	1	1.39	.019	.13	<.1	.01	3.2	<.1	<.05	4	<.5
11800N 6000E	.3	15.8	5.4	51	<.1	19.6	8.7	393	2.55	.6	.3	<.5	1.2	65	.1	.1	.1	70	.36	.043	3	35.3	.42	126	.172	1	1.69	.033	.12	<.1	.02	3.8	<.1	<.05	5	<.5
11800N 6050E	.3	21.3	3.9	54	<.1	24.0	9.6	495	2.82	<.5	.3	1.1	1.5	53	.1	<.1	<.1	73	.47	.041	6	42.7	.72	56	.206	<1	1.92	.047	.09	<.1	.01	6.6	<.1	<.05	5	<.5
11800N 6100E	.4	14.0	4.0	56	<.1	16.6	7.9	383	2.20	.5	.3	<.5	1.0	64	<.1	.1	.1	61	.32	.023	3	32.8	.36	129	.152	<1	1.48	.043	.08	<.1	.01	3.9	<.1	<.05	4	<.5
RE 11800N 6100E	.4	13.0	3.7	56	<.1	15.3	7.4	374	2.08	<.5	.3	<.5	.9	61	<.1	.1	.1	57	.31	.022	3	30.0	.33	126	.144	<1	1.37	.037	.07	<.1	.02	3.5	<.1	<.05	4	<.5
11800N 6150E	.5	8.3	4.8	79	<.1	10.3	4.6	430	1.42	.5	.2	<.5	.5	34	.1	<.1	.1	34	.20	.108	2	17.2	.15	103	.105	<1	1.27	.021	.08	<.1	.01	1.6	<.1	<.05	4	<.5
11800N 6200E	.4	11.7	4.2	50	<.1	15.4	7.9	287	2.12	<.5	.2	.8	.9	44	.1	<.1	.1	50	.30	.051	2	31.4	.31	73	.131	1	2.09	.040	.15	<.1	.01	2.7	<.1	<.05	5	<.5
11800N 6250E	.3	35.7	3.9	57	<.1	44.7	15.4	483	3.34	1.2	.6	1.9	2.3	87	.1	.1	.1	85	.77	.066	20	54.9	1.29	103	.144	1	1.93	.049	.16	<.1	.03	8.8	<.1	<.05	6	<.5
11800N 6300E	.5	15.0	4.2	58	<.1	18.1	8.6	457	2.85	3.0	.4	9.0	.8	50	.1	.5	.1	88	.48	.036	4	38.6	.48	75	.229	1	1.32	.023	.12	<.1	.01	4.4	<.1	<.05	5	<.5
11800N 6350E	.7	19.1	4.3	83	.1	21.9	10.3	613	2.80	2.8	.4	38.8	.9	54	.1	.3	.1	82	.57	.067	5	40.6	.53	100	.213	1	1.60	.023	.12	.1	.01	4.7	<.1	<.05	5	<.5
11800N 6400E	.5	14.1	4.3	50	<.1	17.3	8.0	345	2.38	1.7	.4	2.5	.8	75	.1	.2	.1	65	.38	.029	2	40.6	.51	101	.168	1	1.44	.036	.09	<.1	.02	3.5	<.1	<.05	4	<.5
11800N 6450E	.3	16.3	4.0	68	.1	24.0	9.3	384	2.75	5.7	.3	9.9	.9	72	.1	1.0	.1	65	.48	.049	3	52.9	.65	95	.107	1	1.92	.022	.17	<.1	.02	4.4	<.1	<.05	6	<.5
11800N 6500E	.4	26.6	5.0	64	<.1	51.5	16.7	530	4.43	6.3	.6	1.7	1.3	99	.1	.4	.1	98	.75	.035	9	44.6	1.13	91	.324	3	2.69	.031	.09	<.1	.02	9.6	<.1	<.05	9	<.5
11800N 6550E	.3	19.3	4.9	58	.1	34.3	11.7	342	3.66	2.5	.4	.8	1.0	111	.1	.3	.1	95	.60	.028	4	38.3	.79	91	.294	2	1.92	.032	.10	<.1	.01	6.3	<.1	<.05	6	<.5
11800N 6600E	.4	18.9	4.5	91	<.1	21.2	9.9	595	3.38	6.1	.4	1.5	1.1	70	.1	1.0	.1	89	.58	.064	7	32.7	.62	87	.191	2	1.94	.025	.11	<.1	.01	6.4	<.1	<.05	6	<.5
11800N 6650E	.4	12.0	3.6	92	.1	12.9	5.7	344	2.57	3.2	.3	6.9	.6	53	.1	.8	.1	66	.39	.029	3	25.6	.40	70	.146	2	1.26	.024	.08	<.1	.02	3.7	<.1	<.05	4	<.5
11800N 6700E	.3	17.6	4.1	67	<.1	29.2	9.9	300	3.19	1.8	.4	<.5	1.0	80	.1	.3	.1	78	.54	.041	6	34.4	.78	67	.233	3	1.99	.028	.14	<.1	.01	6.3	<.1	<.05	6	<.5
11800N 6750E	.3	42.0	3.3	56	.1	87.3	24.7	657	4.25	2.0	.5	2.0	1.3	92	.1	.1	<.1	88	1.11	.058	13	43.6	2.24	68	.199	3	3.04	.071	.30	<.1	.01	13.0	<.1	<.05	9	<.5
11800N 6800E	.4	13.7	4.0	47	<.1	19.7	7.6	301	2.81	1.4	.4	2.0	1.0	63	.1	.2	.1	85	.53	.024	5	31.7	.48	67	.231	2	1.59	.038	.10	<.1	.01	5.4	<.1	<.05	5	<.5
STANDARD DS6	11.8	125.3	29.4	144	.3	25.2	10.9	712	2.86	21.3	6.7	47.0	3.1	40	6.1	3.6	5.0	57	.86	.079	15	189.9	.59	165	.082	17	1.97	.074	.16	3.5	.23	3.4	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11800N 6850E	.3	10.8	4.2	52	<.1	14.4	5.6	296	2.26	1.2	.3	.6	.9	51	.1	.1	.1	67	.44	.030	4	21.3	.37	59	.211	2	1.35	.032	.12	<.1	.01	4.0	<.1	<.05	4	<.5
11800N 6900E	.4	26.8	4.9	43	.1	28.5	13.3	675	2.83	2.9	1.1	1.5	1.5	105	.1	.2	.1	109	.99	.038	12	41.5	.75	77	.203	3	1.98	.041	.08	.1	.04	7.1	<.1	<.05	5	<.5
11800N 6950E	.5	16.2	4.9	47	.1	23.4	9.1	404	2.90	1.8	.5	.9	1.2	79	<.1	.2	.1	96	.63	.050	7	30.9	.60	62	.255	3	1.67	.039	.11	<.1	.01	5.5	<.1	<.05	5	<.5
11800N 7000E	.4	27.9	5.5	64	.1	35.7	12.8	657	3.26	2.2	.6	6.4	1.6	114	.1	.2	.1	91	1.00	.061	14	40.3	.91	90	.222	6	2.25	.038	.22	.1	.04	8.9	<.1	<.05	6	<.5
11800N 7050E	.3	29.9	4.0	49	.1	36.6	14.2	330	2.98	3.9	1.6	1.3	1.3	132	.1	.4	<.1	95	1.35	.066	11	60.2	1.17	74	.161	6	1.84	.063	.10	.1	.04	7.0	<.1	<.05	5	.5
11800N 7100E	.3	30.6	4.4	57	.1	42.1	15.6	732	3.53	3.1	1.1	.7	1.8	98	.1	.2	.1	87	1.04	.051	13	61.7	1.11	91	.198	5	2.64	.039	.26	<.1	.03	10.3	<.1	<.05	7	<.5
11800N 7150E	.4	29.3	3.7	47	.1	36.8	14.4	652	3.14	3.7	1.3	1.3	1.4	101	.1	.3	.1	90	.97	.046	13	55.4	1.03	83	.173	4	1.96	.042	.13	<.1	.03	7.8	<.1	<.05	6	<.5
11800N 7200E	.3	28.8	3.8	55	<.1	32.7	11.1	420	3.13	2.2	1.2	.6	1.5	62	.1	.2	.1	83	.54	.066	11	56.0	.76	80	.185	2	2.18	.029	.09	.1	.01	8.2	<.1	<.05	6	<.5
11800N 7250E	.5	22.5	3.9	70	.1	41.4	14.9	623	3.14	1.3	.5	.5	1.0	114	.1	.2	.1	82	.78	.080	9	43.2	1.25	89	.131	4	2.40	.030	.13	<.1	.03	8.3	<.1	<.05	7	<.5
11800N 7300E	.3	27.5	4.3	36	.1	36.4	15.4	805	3.48	3.6	1.7	.7	1.6	104	.1	.3	.1	99	1.23	.047	11	66.6	1.05	125	.147	5	2.21	.043	.14	.1	.03	8.9	<.1	<.05	6	.6
11800N 7350E	.4	31.5	4.3	65	.1	45.4	15.7	684	3.52	3.4	.6	1.6	1.7	128	.1	.2	.1	87	1.13	.161	14	48.9	1.11	115	.130	4	2.69	.035	.19	<.1	.04	9.0	<.1	<.05	7	<.5
11800N 7400E	.4	39.2	4.3	67	.1	50.7	19.5	651	4.07	5.0	.7	7.3	2.0	127	.1	.3	.1	98	.94	.125	16	57.7	1.27	99	.122	3	3.03	.035	.21	.1	.07	11.1	<.1	<.05	8	<.5
11800N 7450E	.3	22.8	4.5	39	<.1	31.0	13.2	447	3.26	2.1	.6	1.5	1.4	110	.1	.2	.1	82	.97	.054	12	54.5	1.04	102	.162	4	1.89	.055	.15	<.1	.04	8.6	<.1	<.05	6	<.5
11800N 7500E	.2	14.7	3.8	48	<.1	20.7	8.4	251	2.60	1.6	.4	1.5	1.2	53	.1	.2	.1	68	.44	.060	6	35.2	.51	95	.156	3	1.75	.029	.13	<.1	.02	4.6	<.1	<.05	5	<.5
11800N 7550E	.3	18.8	4.7	64	.1	21.1	9.2	490	2.41	1.4	.3	3.1	.8	49	.1	.1	.1	67	.56	.055	6	30.6	.62	117	.115	1	1.73	.017	.13	<.1	.02	3.8	<.1	<.05	6	<.5
11800N 7600E	.3	20.3	4.1	53	<.1	26.9	12.0	236	3.05	1.3	.4	.9	.9	61	.1	.1	.1	82	.50	.052	6	38.8	.88	94	.176	1	2.53	.018	.07	<.1	.01	4.5	<.1	<.05	7	<.5
11800N 7650E	.5	19.5	4.6	76	.1	25.2	11.2	720	2.61	1.3	.4	.8	.9	53	.1	.1	.1	66	.60	.039	10	32.9	.64	168	.142	2	1.96	.017	.13	<.1	.02	4.3	.1	<.05	6	<.5
11800N 7700E	.4	15.0	5.0	98	<.1	20.9	9.1	1317	2.29	1.0	.3	.9	.9	62	.2	.1	.1	59	.40	.073	6	30.7	.50	161	.160	2	2.43	.021	.16	<.1	.02	3.6	.1	<.05	7	<.5
11800N 7750E	.5	11.1	3.7	38	.1	15.6	7.1	372	2.04	1.2	.2	.9	.6	43	.1	.1	.1	56	.44	.033	3	30.4	.46	73	.141	2	1.34	.017	.12	<.1	.01	2.9	<.1	<.05	5	<.5
11800N 7800E	.4	26.7	8.7	94	.1	23.0	13.4	1673	2.62	1.5	.3	1.6	.9	53	.3	.2	.1	62	.77	.071	10	30.7	.77	213	.145	2	2.01	.013	.14	<.1	.05	4.0	.1	<.05	6	<.5
11800N 7850E	.4	37.0	5.5	54	.3	27.9	13.0	586	3.19	4.8	.4	6.6	1.2	60	.1	.3	.1	82	.81	.069	11	40.0	.95	70	.156	2	2.18	.021	.15	.1	.02	5.4	.1	<.05	7	<.5
11800N 7900E	.6	37.9	5.1	71	.1	24.4	12.6	774	2.73	7.5	.6	1.9	1.4	63	.2	.3	.1	66	.73	.058	11	37.5	.58	125	.124	3	2.13	.019	.21	.1	.01	5.7	.1	<.05	6	<.5
11800N 7950E	.1	52.3	5.3	50	.1	34.0	13.7	330	2.59	2.0	.4	1.8	1.4	271	.2	.2	.1	50	2.50	.067	14	52.7	.95	140	.117	12	2.13	.035	.11	<.1	.02	6.9	<.1	<.05	6	.5
11800N 8000E	.5	27.1	4.0	48	.1	38.2	12.7	469	3.35	2.7	.5	1.2	1.0	59	.1	.2	.1	82	.58	.045	12	70.3	.90	109	.177	2	1.99	.023	.11	<.1	.03	5.8	<.1	<.05	6	<.5
11600N 6000E	.2	12.1	4.3	46	<.1	19.0	7.5	372	2.33	<.5	.3	.8	1.1	66	.1	.1	.1	43	.45	.056	3	31.7	.35	142	.137	<1	2.07	.035	.11	<.1	.01	3.4	<.1	<.05	5	<.5
11600N 6050E	.3	6.9	3.3	56	<.1	8.7	3.9	364	1.26	<.5	.2	.5	.5	39	.1	<.1	.1	24	.20	.034	2	17.2	.17	109	.097	1	1.16	.028	.09	<.1	.01	1.7	<.1	<.05	4	<.5
11600N 6100E	.4	9.1	2.7	48	<.1	9.3	5.1	320	1.53	<.5	.2	<.5	.5	63	.1	<.1	<.1	29	.31	.039	2	22.3	.21	126	.096	<1	1.13	.034	.11	<.1	.01	2.1	<.1	<.05	4	<.5
11600N 6150E	.3	12.9	3.4	42	<.1	14.5	6.7	347	2.09	<.5	.3	.6	.9	114	.1	<.1	<.1	46	.39	.031	3	28.3	.37	187	.138	1	1.54	.042	.14	<.1	.01	3.6	<.1	<.05	4	<.5
11600N 6200E	.5	14.8	3.9	73	<.1	16.8	5.5	389	2.21	<.5	.2	.7	.9	48	<.1	.1	<.1	56	.36	.041	3	37.4	.29	74	.154	1	1.47	.039	.12	<.1	.01	3.0	<.1	.20	4	<.5
RE 11600N 6200E	.4	13.9	3.8	71	<.1	16.5	5.8	403	2.24	<.5	.2	1.4	.9	48	<.1	.1	.1	58	.35	.042	3	37.6	.29	75	.147	1	1.43	.036	.12	<.1	.01	3.1	<.1	.21	4	<.5
11600N 6250E	.5	15.4	3.7	70	<.1	15.6	6.8	519	2.23	.5	.2	.5	.8	61	.1	.1	.1	61	.40	.044	3	31.5	.32	100	.145	1	1.24	.042	.13	<.1	.02	3.2	<.1	<.05	4	<.5
11600N 6300E	.5	23.8	3.7	46	<.1	29.3	10.9	431	2.80	.9	.5	1.1	1.8	87	.1	.1	<.1	73	.79	.062	12	45.0	.72	103	.138	2	1.84	.046	.11	<.1	.03	7.5	<.1	<.05	5	<.5
11600N 6400E	.2	32.8	3.8	72	.1	28.6	11.7	820	2.93	2.7	.7	1.2	1.2	64	.1	.3	.1	83	.97	.032	12	41.3	.88	62	.183	2	2.35	.037	.06	<.1	.02	7.5	<.1	<.05	7	<.5
11600N 6450E	.3	36.7	4.1	52	.2	26.4	11.1	823	2.57	2.7	.9	1.2	1.3	68	.1	.3	.1	61	1.06	.064	13	49.5	.78	65	.141	3	2.07	.031	.13	<.1	.04	7.1	<.1	<.05	6	<.5
STANDARD DS6	11.5	122.5	29.4	142	.3	24.6	10.8	696	2.82	21.0	6.5	46.0	3.0	39	6.2	3.5	5.0	55	.85	.077	13	185.1	.58	164	.078	17	1.92	.072	.15	3.5	.22	3.2	1.8	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11600N 6500E	.3	12.8	3.6	74	<.1	17.1	6.6	516	2.29	3.7	.2	<.5	.7	59	.1	.7	.1	51	.38	.043	2	37.3	.49	89	.076	1	1.40	.022	.15	<.1	.01	3.1	<.1	<.05	5	<.5
11600N 6550E	.3	17.0	3.9	69	<.1	29.1	11.5	618	3.22	6.7	.4	.6	1.5	83	.1	.9	.1	74	.56	.038	11	58.1	.79	95	.080	1	1.81	.025	.15	<.1	.03	6.3	<.1	<.05	6	<.5
11600N 6600E	.3	19.0	4.1	76	.1	36.6	13.2	817	2.98	7.1	.4	.8	1.2	77	.1	.8	.1	70	.74	.068	9	64.5	1.10	82	.076	2	1.79	.026	.15	<.1	.04	6.4	<.1	<.05	6	<.5
11600N 6700E	.5	20.8	4.2	41	.1	21.9	10.0	531	2.75	5.0	.5	<.5	1.2	88	.1	.7	.1	70	.74	.062	9	31.7	.56	92	.118	3	1.58	.026	.18	<.1	.04	5.9	<.1	<.05	5	<.5
11600N 6750E	.7	19.2	4.7	54	.1	22.0	10.0	541	2.49	2.8	.5	.5	.9	68	.2	.3	.1	76	.71	.052	6	30.3	.53	82	.183	3	1.39	.023	.16	.1	.02	4.4	<.1	<.05	4	<.5
11600N 6800E	.4	18.1	4.2	54	.1	21.6	8.3	319	2.91	2.6	.5	.8	1.2	77	.1	.3	.1	98	.56	.044	6	34.6	.55	65	.230	2	1.50	.028	.08	.1	.01	5.3	<.1	<.05	5	<.5
11600N 6850E	.5	11.7	3.8	54	<.1	15.7	6.9	478	2.39	1.7	.3	<.5	.9	44	.1	.1	.1	75	.44	.044	4	29.3	.37	77	.211	2	1.24	.030	.09	.1	.02	4.2	<.1	<.05	4	<.5
11600N 6900E	.3	42.2	4.2	42	.1	43.2	13.7	179	2.57	1.9	.4	<.5	1.7	83	.1	.3	.1	89	1.39	.034	14	48.0	.84	76	.160	2	1.87	.040	.05	<.1	.03	6.9	<.1	<.05	6	<.5
11600N 6950E	.3	9.3	4.6	64	<.1	15.9	6.2	461	2.47	1.1	.3	<.5	.8	42	.1	.1	.1	78	.41	.029	3	29.4	.33	61	.243	2	1.42	.030	.07	<.1	.01	4.1	<.1	<.05	4	<.5
11600N 7000E	.4	10.7	4.4	60	.1	13.9	5.4	405	2.25	1.5	.3	5.5	.8	53	.1	.2	.1	69	.46	.039	3	25.7	.31	63	.223	3	1.31	.022	.14	.1	.01	3.6	<.1	<.05	4	<.5
11600N 7050E	.3	23.4	4.3	49	.1	30.8	14.1	695	2.96	7.1	1.1	<.5	.9	76	.1	.4	.1	102	1.20	.052	8	44.1	.85	63	.124	4	1.57	.042	.05	<.1	.04	6.5	<.1	<.05	5	<.5
11600N 7100E	.4	22.3	3.7	68	.1	43.8	15.2	525	2.66	1.8	.4	<.5	.9	67	.1	.1	.1	66	.77	.099	13	27.4	1.48	76	.090	1	2.69	.014	.07	.1	.03	6.0	<.1	<.05	10	<.5
11600N 7150E	.5	8.1	3.5	59	<.1	16.2	6.6	480	1.89	1.1	.3	<.5	.6	25	<.1	<.1	.1	47	.28	.034	2	18.1	.58	58	.137	2	1.29	.019	.09	<.1	.01	3.0	<.1	<.05	5	<.5
11600N 7200E	.1	15.2	6.0	63	<.1	63.6	17.5	560	3.28	3.1	.8	<.5	1.7	566	.1	.1	.1	68	.87	.029	10	42.0	1.53	99	.365	2	2.19	.023	.19	<.1	.01	8.3	<.1	<.05	7	<.5
11600N 7250E	.4	25.3	4.0	64	.1	34.3	13.5	523	3.32	2.1	.6	<.5	1.4	61	.1	.2	.1	89	.65	.054	11	40.7	.96	110	.139	2	2.29	.021	.17	<.1	.02	7.2	<.1	<.05	7	<.5
RE 11600N 7250E	.3	25.4	4.1	65	.1	33.2	13.2	524	3.33	2.1	.5	<.5	1.4	60	.1	.2	.1	89	.63	.054	11	41.2	.97	107	.139	2	2.27	.023	.17	<.1	.03	7.1	<.1	<.05	7	<.5
11600N 7300E	.3	26.3	4.4	64	<.1	35.2	18.9	755	3.77	2.1	.6	<.5	1.7	41	<.1	.1	.1	100	.39	.062	18	36.8	1.55	119	.039	1	3.64	.018	.08	<.1	.03	7.0	<.1	<.05	11	<.5
11600N 7350E	.6	18.4	4.3	74	<.1	25.0	13.9	940	2.91	1.7	.4	<.5	1.0	39	.1	.1	.1	69	.48	.057	8	25.8	.89	190	.023	1	2.17	.015	.22	<.1	.03	3.9	<.1	<.05	7	<.5
11600N 7400E	.5	24.8	6.9	101	<.1	29.2	17.1	1782	3.45	2.3	.5	1.4	1.5	36	.1	.1	.1	83	.56	.093	17	35.1	1.24	212	.019	1	2.73	.013	.18	<.1	.04	7.1	<.1	<.05	9	<.5
11600N 7450E	.3	16.8	3.3	81	<.1	22.8	12.2	539	2.99	1.3	.4	<.5	1.3	43	.1	.1	<.1	66	.48	.059	11	31.5	1.02	160	.032	3	2.34	.016	.33	<.1	.01	5.8	<.1	<.05	8	<.5
11600N 7500E	.5	17.8	5.6	100	<.1	40.3	16.7	1107	3.31	1.1	.5	.9	1.6	63	.1	.1	.1	85	.60	.053	10	45.5	1.21	120	.219	2	3.19	.036	.11	<.1	.02	8.9	<.1	<.05	9	<.5
11600N 7550E	.3	14.1	4.4	70	<.1	25.5	10.5	525	2.94	.7	.5	.7	1.0	40	.1	.3	.1	89	.44	.026	8	40.5	.87	73	.193	1	1.84	.022	.13	<.1	.01	6.7	<.1	<.05	7	<.5
11600N 7600E	.4	26.7	4.1	69	<.1	26.5	13.7	490	3.35	1.4	.3	<.5	.9	35	.1	.1	.1	82	.54	.058	16	34.3	1.14	250	.022	1	2.37	.016	.27	<.1	.02	5.7	.1	<.05	8	<.5
11600N 7650E	.2	28.2	4.8	77	<.1	26.0	13.7	744	3.13	.8	.3	<.5	.9	51	.1	.1	.1	69	.86	.089	16	34.9	1.13	241	.059	3	2.32	.012	.41	<.1	.02	6.2	<.1	<.05	8	<.5
11600N 7700E	.4	18.0	3.7	57	<.1	24.9	11.5	571	2.78	1.9	.4	1.4	1.1	68	.1	.1	.1	59	.71	.052	11	36.2	.78	154	.060	2	2.05	.018	.16	<.1	.02	4.9	<.1	<.05	7	<.5
11600N 7750E	.4	20.2	4.7	74	<.1	24.9	12.9	519	2.91	3.7	.4	1.1	.9	31	.1	.3	.1	74	.45	.060	10	31.1	.86	150	.142	1	1.94	.013	.11	<.1	.01	4.2	.1	<.05	7	<.5
11600N 7800E	.2	13.9	4.6	79	<.1	46.4	16.0	558	3.18	.9	.4	.6	.9	30	.1	.2	.1	59	.62	.044	10	47.4	1.33	98	.221	2	2.07	.013	.15	<.1	.02	4.8	<.1	<.05	7	<.5
11600N 7850E	.4	29.1	4.7	75	.2	34.2	12.3	374	3.04	1.9	.6	86.4	1.5	93	.1	.2	.1	80	.64	.078	11	54.4	.87	146	.141	2	2.42	.023	.15	<.1	.02	5.6	<.1	<.05	7	<.5
11600N 7900E	.4	56.5	6.2	82	.2	40.1	16.3	957	3.54	2.7	.3	2.1	1.2	167	.2	.2	.1	68	1.50	.084	16	47.6	1.12	129	.101	5	2.62	.019	.24	<.1	.04	6.7	<.1	<.05	8	<.5
11600N 8000E	.7	28.5	4.9	50	.1	29.2	13.0	553	2.78	1.9	.6	<.5	1.5	69	.1	.2	.1	79	.65	.027	12	50.0	.68	124	.207	1	1.83	.021	.14	<.1	.02	6.2	<.1	<.05	6	<.5
11400N 6000E	.4	8.2	4.9	56	<.1	14.2	5.0	314	1.61	<.5	.2	.5	.8	32	.1	.1	.1	37	.26	.064	2	21.5	.22	108	.121	1	1.83	.022	.07	.1	.01	2.1	<.1	<.05	5	<.5
11400N 6050E	.3	14.7	4.1	67	<.1	19.4	6.8	536	2.32	.7	.4	.5	1.1	66	.1	.2	.1	60	.44	.076	4	34.6	.42	116	.131	1	1.82	.027	.11	<.1	.02	4.1	<.1	<.05	5	<.5
11400N 6100E	.2	23.7	4.8	55	<.1	28.2	10.8	484	2.70	<.5	.4	.5	1.8	84	.1	<.1	.1	48	.67	.049	8	39.7	.87	115	.123	1	2.19	.047	.17	<.1	.02	6.5	<.1	<.05	6	<.5
11400N 6150E	.4	12.0	3.9	62	<.1	12.6	5.4	370	2.19	<.5	.2	1.0	.9	64	<.1	.1	.1	63	.35	.028	3	31.8	.28	98	.161	1	1.22	.041	.11	<.1	.01	3.6	<.1	<.05	3	<.5
STANDARD DS6	11.7	124.8	29.2	144	.3	25.1	11.0	706	2.85	21.1	6.6	48.7	3.0	39	6.2	3.5	5.0	56	.86	.078	13	187.3	.59	164	.079	17	1.94	.073	.15	3.6	.23	3.3	1.7	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11400N 6200E	.3	11.3	4.2	47	<.1	14.4	5.7	240	2.24	.8	.3	.5	.8	58	<.1	.1	.1	60	.35	.042	3	34.4	.29	103	.151	1	1.70	.036	.09	<.1	.01	3.0	<.1	<.05	5	<.5
11400N 6250E	.5	14.0	4.1	41	<.1	14.6	6.9	282	2.16	1.2	.3	<.5	.7	50	<.1	.1	.1	59	.36	.093	3	32.1	.29	81	.125	2	1.52	.036	.08	<.1	.02	3.0	<.1	<.05	5	<.5
11400N 6300E	.2	14.5	3.4	53	<.1	14.3	7.1	323	2.12	<.5	.3	.7	1.1	48	.1	<.1	.1	41	.38	.039	3	35.4	.43	96	.121	1	1.37	.057	.18	<.1	.03	4.3	<.1	<.05	4	<.5
11400N 6350E	.2	18.3	3.6	36	<.1	14.2	7.2	310	2.07	.6	.4	.6	.8	48	<.1	.1	.1	42	.47	.064	2	73.9	.43	74	.120	2	1.47	.056	.13	<.1	.01	3.6	<.1	<.05	5	<.5
11400N 6400E	.2	23.8	3.4	23	.1	19.2	7.0	176	1.47	1.3	6.6	2.0	.8	62	.1	.3	<.1	86	1.25	.028	6	120.1	.58	62	.077	2	1.14	.068	.05	<.1	.04	4.3	<.1	.06	3	1.0
11400N 6450E	.2	15.2	2.9	40	<.1	18.0	10.3	295	2.25	<.5	.8	.8	1.3	42	<.1	.1	<.1	51	.66	.030	6	48.8	.54	66	.134	2	1.64	.068	.09	<.1	.01	5.1	<.1	<.05	5	<.5
11400N 6500E	.4	51.8	4.1	55	.1	43.1	17.5	1006	3.40	4.3	3.5	2.4	1.5	129	.1	.4	<.1	108	1.73	.070	15	50.4	1.30	71	.183	2	2.52	.083	.07	<.1	.04	8.8	<.1	<.05	8	<.5
11400N 6550E	.4	21.5	4.5	58	<.1	26.2	10.9	355	3.42	2.2	.5	.9	1.1	86	<.1	.3	.1	111	.63	.037	5	42.1	.68	62	.279	2	1.70	.042	.07	<.1	.01	6.2	<.1	<.05	5	<.5
11400N 6600E	.5	25.2	4.5	55	.1	32.4	12.7	359	3.71	2.3	.6	2.5	1.4	94	.1	.2	.1	124	.71	.047	7	48.3	.82	77	.294	2	2.13	.046	.10	<.1	.01	6.9	<.1	<.05	6	<.5
11400N 6650E	.5	20.6	5.1	89	.1	31.0	8.4	473	2.40	3.3	.4	<.5	1.1	58	.1	.2	.1	64	.53	.192	4	31.9	.49	99	.159	3	2.29	.033	.13	<.1	.02	4.1	<.1	<.05	7	<.5
11400N 6700E	.5	35.5	4.4	60	.1	38.4	13.5	427	3.46	2.4	.6	2.7	1.4	100	.1	.2	.1	106	.83	.089	9	46.0	.96	77	.238	2	2.33	.039	.12	<.1	.02	7.2	<.1	<.05	7	<.5
11400N 6750E	.4	34.4	3.4	66	<.1	40.3	17.6	503	3.78	2.2	.6	.5	1.5	95	<.1	.1	<.1	105	.69	.073	12	44.8	1.16	84	.077	1	2.01	.026	.09	<.1	.01	8.2	<.1	<.05	6	<.5
11400N 6800E	.4	27.4	3.8	63	.1	33.7	12.6	481	3.01	3.0	.6	.7	1.4	94	.1	.2	.1	88	.99	.117	11	37.8	.86	70	.207	3	2.15	.047	.18	<.1	.02	6.8	<.1	<.05	6	<.5
11400N 6850E	.5	29.6	4.7	53	.1	35.7	13.0	457	3.75	2.3	.7	<.5	1.5	102	<.1	.2	.1	120	.84	.052	14	48.3	.91	77	.263	2	2.42	.049	.12	<.1	.01	8.3	<.1	<.05	7	<.5
11400N 6900E	.4	43.7	4.1	53	<.1	46.7	15.7	539	4.02	4.9	.8	2.2	1.7	153	.1	.2	<.1	125	1.36	.111	18	54.2	1.35	82	.222	2	3.11	.073	.11	<.1	.02	11.2	<.1	<.05	9	<.5
11400N 6950E	.7	16.8	3.7	104	.1	14.7	5.0	904	1.86	2.4	.2	<.5	.7	43	.1	.1	.1	50	.49	.049	3	20.7	.21	180	.090	5	1.19	.035	.15	<.1	.01	3.3	<.1	<.05	3	<.5
11400N 7000E	.7	16.6	3.3	85	<.1	30.8	11.7	763	3.40	1.2	.5	<.5	1.2	45	.1	.1	.1	89	.53	.039	7	36.8	1.20	81	.177	3	2.09	.047	.15	<.1	.01	7.4	<.1	<.05	7	<.5
11400N 7050E	.5	37.6	4.3	90	.1	56.6	21.5	963	4.19	4.8	.8	.9	1.5	53	.1	.1	.1	115	.83	.089	12	39.2	1.91	103	.233	3	3.02	.022	.09	<.1	.01	10.5	<.1	<.05	12	<.5
11400N 7100E	.3	17.7	3.3	97	<.1	31.3	11.6	682	3.04	1.7	.4	<.5	.9	48	.1	<.1	.1	76	.50	.043	6	29.4	1.14	139	.086	2	2.27	.043	.09	<.1	.02	6.4	<.1	<.05	7	<.5
11400N 7150E	.3	29.2	4.5	62	.1	44.6	15.5	360	3.94	1.9	.8	1.0	1.8	86	.1	.2	.1	106	.71	.049	22	50.4	1.14	121	.173	1	3.12	.038	.12	<.1	.05	9.6	<.1	<.05	8	<.5
RE 11400N 7150E	.4	29.4	4.7	64	.1	45.2	15.9	364	3.95	1.9	.8	1.6	1.8	88	.1	.1	.1	104	.71	.050	23	51.4	1.15	126	.170	2	3.16	.037	.12	<.1	.02	9.9	<.1	<.05	8	<.5
11400N 7200E	.4	17.5	4.1	72	<.1	25.7	8.5	341	3.03	1.6	.4	1.5	1.1	64	.1	.1	.1	80	.55	.043	6	36.5	.63	86	.149	2	1.97	.040	.13	<.1	.02	6.1	<.1	<.05	6	<.5
11400N 7250E	.3	23.5	4.2	68	.1	31.5	11.7	565	3.05	2.3	.5	.8	1.3	119	.1	.1	.1	83	.69	.066	9	39.7	.77	141	.142	3	2.18	.045	.11	<.1	.02	5.8	<.1	<.05	6	<.5
11400N 7350E	.4	18.3	4.3	105	.1	23.8	8.6	666	2.59	1.8	.4	.5	1.0	58	.1	.1	.1	64	.54	.083	6	36.7	.51	161	.126	2	2.07	.026	.16	<.1	.02	4.8	<.1	<.05	6	<.5
11400N 7400E	.4	25.2	5.2	103	.1	34.6	12.7	956	3.28	2.2	.5	11.2	1.4	77	.1	.2	.1	78	.70	.069	9	43.3	.81	137	.149	3	2.48	.033	.16	<.1	.03	7.1	<.1	<.05	7	<.5
11400N 7450E	.3	24.5	3.9	77	.1	32.0	9.8	377	3.12	2.2	.5	2.0	1.5	70	.1	.2	.1	75	.58	.062	9	45.0	.67	121	.164	3	2.65	.036	.13	<.1	.01	7.4	<.1	<.05	7	<.5
11400N 7500E	.4	18.2	4.1	80	<.1	31.7	15.4	443	3.64	1.4	.5	<.5	1.1	35	<.1	.1	.1	93	.37	.054	8	38.1	1.06	126	.055	1	2.45	.020	.14	<.1	.01	5.9	<.1	<.05	8	<.5
11400N 7550E	.4	20.5	5.0	95	<.1	32.7	14.1	622	3.54	2.1	.5	.5	1.3	48	.1	.2	.1	88	.52	.060	9	45.7	.96	201	.112	1	2.69	.020	.13	<.1	.02	5.7	.1	<.05	8	<.5
11400N 7600E	.4	36.3	4.1	61	.1	29.1	11.7	580	2.80	3.1	.5	.5	1.1	124	.2	.1	.1	61	1.12	.101	15	34.0	.69	189	.076	4	2.23	.026	.16	<.1	.02	5.7	<.1	<.05	6	<.5
11400N 7650E	.2	52.6	3.9	44	.1	32.3	12.3	456	3.43	5.0	.5	1.9	1.5	152	.1	.2	.1	71	1.06	.082	20	43.1	.78	156	.066	5	2.41	.027	.14	<.1	.03	7.3	<.1	<.05	7	<.5
11400N 7700E	.3	31.7	4.4	49	.1	32.1	12.7	526	3.08	3.3	.4	2.9	1.1	105	.1	.1	.1	63	.67	.062	14	38.4	.78	125	.090	2	1.94	.022	.17	<.1	.02	5.2	<.1	<.05	6	<.5
11400N 7750E	.4	60.0	4.5	46	.1	33.2	12.7	568	2.81	3.8	1.3	1.6	.8	195	.2	.2	.1	72	1.65	.065	15	36.7	.89	154	.062	5	1.64	.035	.09	<.1	.04	5.1	<.1	.06	5	.6
11400N 7800E	.2	32.0	3.4	86	.1	57.7	18.8	613	3.80	1.6	.4	41.6	.8	34	.1	.1	.1	67	.50	.105	18	88.9	1.54	120	.054	1	2.45	.013	.15	<.1	.02	5.9	<.1	<.05	9	<.5
11400N 7850E	.4	34.2	5.0	74	.1	30.8	11.9	748	2.95	2.4	.4	.9	1.1	86	.1	.2	.1	67	.74	.093	12	42.8	.81	141	.099	4	1.99	.022	.26	<.1	.02	5.1	<.1	<.05	6	<.5
STANDARD DS6	11.8	124.5	29.4	145	.3	25.4	11.1	709	2.87	21.1	6.7	47.7	3.2	41	6.0	3.6	5.0	59	.87	.078	15	190.1	.59	166	.086	16	2.00	.075	.17	3.3	.23	3.3	1.7	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11400N 7900E	.5	49.6	5.3	50	.1	26.4	12.8	679	2.83	2.1	.4	1.9	1.6	172	.2	.2	.1	66	1.23	.085	12	38.4	.59	173	.146	7	2.06	.023	.18	.1	.03	6.1	<.1	<.05	6	<.5
11400N 7950E	.5	33.5	5.5	51	.1	32.6	14.2	515	3.00	2.3	.6	1.0	1.4	83	.1	.2	.1	79	.79	.041	12	43.9	.85	111	.168	2	2.20	.026	.12	.1	.02	6.5	<.1	<.05	6	<.5
RE 11400N 7950E	.5	33.5	5.5	53	.1	31.5	15.0	516	3.07	2.5	.6	8.9	1.3	82	.1	.2	.1	79	.78	.042	13	44.4	.87	115	.165	3	2.16	.025	.11	.1	.03	6.2	<.1	<.05	6	<.5
11400N 8000E	.4	36.4	5.2	76	.1	30.0	14.3	762	3.24	3.4	.4	1.4	1.2	66	.2	.2	.1	66	.84	.132	17	40.2	.76	156	.118	3	2.27	.016	.16	.1	.03	5.7	<.1	<.05	7	<.5
11200N 6000E	.3	8.9	4.4	85	<.1	11.9	4.5	227	1.34	.7	.2	<.5	.6	41	.1	.1	.1	30	.31	.094	2	16.2	.25	98	.097	2	1.67	.016	.09	.1	.01	1.8	<.1	<.05	6	<.5
11200N 6050E	.4	15.3	4.4	58	<.1	23.1	9.0	278	2.58	1.2	.3	<.5	.9	74	<.1	.2	.1	65	.31	.074	3	36.6	.40	175	.162	1	2.55	.030	.08	<.1	.02	3.6	<.1	<.05	7	<.5
11200N 6100E	.5	13.7	4.6	34	.1	14.9	7.1	220	2.63	2.0	.3	.8	.6	70	<.1	.3	.1	82	.32	.045	3	32.4	.33	110	.180	2	1.54	.021	.05	<.1	.02	3.1	<.1	<.05	5	<.5
11200N 6150E	.3	24.3	4.1	55	<.1	32.1	10.7	331	2.62	.8	.5	<.5	2.2	76	.1	.1	.1	56	.63	.103	12	39.8	.82	95	.120	2	2.07	.044	.15	.1	.02	7.3	<.1	<.05	6	<.5
11200N 6200E	.2	18.2	3.8	85	.1	17.2	7.5	386	1.86	.8	.8	<.5	1.3	78	.1	.1	.1	41	.63	.253	5	37.1	.46	145	.106	2	1.64	.029	.19	<.1	.02	4.9	<.1	<.05	5	<.5
11200N 6250E	.2	10.2	2.9	32	<.1	15.4	6.4	235	2.09	.6	.3	<.5	1.0	61	.1	<.1	<.1	38	.43	.040	3	26.3	.33	64	.089	1	1.73	.055	.11	<.1	.01	3.2	<.1	<.05	4	<.5
11200N 6300E	.4	12.4	4.4	107	.1	18.8	7.2	678	2.16	1.3	.3	<.5	.9	52	.1	.2	.1	51	.38	.144	3	29.2	.34	142	.121	1	1.72	.027	.14	<.1	.03	3.1	<.1	<.05	5	<.5
11200N 6350E	.5	15.8	4.1	74	.1	12.7	6.2	687	1.97	1.0	.2	<.5	.8	55	.1	.1	.1	50	.45	.048	3	27.5	.27	128	.126	1	1.23	.031	.13	<.1	.02	3.0	<.1	<.05	4	<.5
11200N 6400E	.5	11.2	2.5	51	<.1	16.2	6.1	333	2.07	.6	.2	<.5	.7	90	.1	.1	.1	63	.37	.044	3	28.2	.42	124	.107	1	1.67	.027	.10	<.1	.01	3.3	<.1	<.05	4	<.5
11200N 6450E	.4	14.0	4.0	66	<.1	18.7	7.7	430	2.70	1.9	.4	<.5	.8	68	.1	.3	.1	84	.46	.056	4	35.4	.43	84	.209	3	1.51	.027	.11	<.1	.01	4.6	<.1	<.05	5	<.5
11200N 6500E	.2	25.8	4.0	42	.1	42.2	14.2	233	3.07	1.1	1.1	<.5	1.4	124	<.1	.1	.1	76	.97	.052	10	99.0	1.18	90	.134	2	2.10	.097	.05	<.1	.01	6.8	<.1	<.05	6	<.5
11200N 6550E	.3	19.5	4.3	55	.1	18.9	8.3	555	2.31	2.3	1.0	<.5	1.1	64	.1	.2	.1	66	.68	.050	6	36.3	.50	74	.163	2	1.57	.038	.08	<.1	.02	5.2	<.1	<.05	5	<.5
11200N 6600E	.3	15.9	4.2	52	.1	20.6	8.5	290	2.77	5.1	.3	.9	.9	72	.1	.5	.1	79	.46	.065	3	40.0	.52	87	.133	1	1.72	.024	.10	.1	.02	4.0	<.1	<.05	5	<.5
11200N 6650E	.4	28.4	4.3	55	.1	32.1	12.7	413	3.30	3.5	.6	2.2	1.4	93	.1	.3	.1	103	.70	.062	11	44.7	.88	79	.215	1	2.28	.038	.11	<.1	.02	7.7	<.1	<.05	7	<.5
11200N 6700E	.4	21.6	5.7	94	.1	26.1	9.5	825	2.49	1.8	.3	<.5	1.1	84	.1	.2	.1	63	.80	.197	4	39.4	.43	133	.145	4	2.28	.037	.14	<.1	.03	4.6	<.1	<.05	6	<.5
11200N 6750E	.4	34.0	4.4	53	.1	36.9	15.1	622	3.34	2.6	.7	1.9	1.4	111	.1	.2	.1	103	1.09	.071	12	50.6	1.01	77	.206	3	2.29	.055	.09	<.1	.04	8.2	<.1	<.05	6	<.5
11200N 6800E	.4	19.7	4.5	69	.1	25.7	10.9	500	2.80	2.3	.5	9.7	1.3	81	.1	.3	.1	74	.58	.096	7	46.1	.62	103	.160	2	1.89	.032	.16	.1	.02	5.6	<.1	<.05	5	<.5
11200N 6850E	.8	31.5	3.7	50	.1	29.9	9.9	3849	2.52	3.1	1.1	1.4	1.0	90	.2	.3	.1	100	1.21	.043	8	37.3	.61	106	.186	3	1.65	.049	.06	<.1	.02	5.4	<.1	<.05	5	.8
11200N 6900E	.3	13.1	3.7	55	.1	15.3	6.1	299	2.35	1.7	.3	1.6	.8	59	.1	.2	.1	68	.43	.048	3	33.3	.38	58	.181	2	1.55	.030	.12	<.1	.02	3.8	<.1	<.05	5	<.5
11200N 6950E	.3	31.6	4.1	46	.1	33.3	12.9	570	3.11	3.0	.6	.6	1.5	104	.2	.3	.1	93	1.35	.091	12	41.5	.79	72	.212	7	2.06	.042	.15	.1	.03	7.5	<.1	<.05	6	<.5
11200N 7000E	.4	47.6	4.2	39	.1	35.5	12.9	1568	2.49	4.1	2.1	2.5	.8	88	.1	.4	<.1	97	1.93	.070	11	50.6	.90	81	.121	5	1.77	.052	.05	<.1	.05	6.0	<.1	.06	5	1.4
11200N 7050E	.5	27.7	4.3	55	<.1	34.2	13.6	489	3.36	3.0	1.0	2.0	1.6	63	.1	.2	.1	98	.79	.079	12	38.5	.84	129	.116	3	2.32	.033	.20	<.1	.03	6.4	<.1	<.05	6	<.5
11200N 7100E	.4	19.9	5.2	94	<.1	45.9	19.0	964	3.67	1.7	.5	<.5	1.4	47	.1	.1	.1	91	.44	.100	9	37.3	1.72	173	.089	3	3.54	.021	.26	<.1	.02	6.6	.1	<.05	10	<.5
11200N 7150E	.3	23.9	4.3	71	<.1	50.9	19.7	711	3.66	3.5	.7	<.5	1.6	54	.1	.1	.1	91	.74	.066	13	39.3	1.63	185	.169	1	2.93	.035	.15	<.1	.03	8.7	.1	<.05	9	<.5
11200N 7200E	.4	17.5	4.3	57	<.1	20.5	13.3	393	2.95	<.5	.5	<.5	2.2	74	.1	<.1	<.1	81	.63	.045	15	24.1	.62	72	.221	1	2.10	.063	.16	<.1	.02	8.5	<.1	<.05	5	<.5
11200N 7250E	.4	14.0	4.0	78	<.1	15.0	6.9	580	2.48	.6	.4	1.0	1.7	40	.1	.1	.1	75	.42	.034	6	17.9	.27	107	.146	1	1.63	.037	.20	<.1	.02	5.2	<.1	<.05	4	<.5
11200N 7300E	.4	17.0	3.7	69	<.1	17.1	8.5	451	2.58	.8	.4	<.5	1.6	45	.1	.1	.1	67	.52	.030	9	19.9	.37	109	.067	1	1.81	.029	.20	<.1	.01	5.0	<.1	<.05	5	<.5
11200N 7350E	.3	13.5	4.3	69	<.1	22.0	8.7	348	2.60	1.1	.3	<.5	1.1	58	.1	.1	.1	67	.48	.054	4	32.7	.60	90	.150	2	2.01	.028	.14	<.1	.01	4.7	<.1	<.05	6	<.5
11200N 7400E	.3	12.6	4.2	106	<.1	29.2	13.4	404	3.58	<.5	.5	<.5	1.3	34	<.1	.1	.1	90	.47	.051	9	32.6	.80	102	.014	<1	2.93	.014	.14	<.1	.01	5.7	.1	<.05	8	<.5
11200N 7450E	.4	26.1	4.4	83	<.1	33.9	17.6	673	3.93	4.4	.6	<.5	1.6	47	.1	.2	.1	91	.63	.058	15	33.8	1.03	157	.008	1	3.00	.011	.17	<.1	.02	8.5	<.1	<.05	9	<.5
STANDARD DS6	11.7	122.7	29.2	143	.3	25.0	10.7	703	2.84	20.8	6.6	47.5	3.0	40	6.0	3.4	5.0	56	.85	.077	14	187.0	.58	163	.081	17	1.92	.073	.15	3.5	.23	3.3	1.7	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11200N 7500E	.3	13.2	3.7	76	<.1	25.9	10.2	397	2.74	1.3	.2	<.5	.9	36	.1	.1	.1	62	.40	.045	4	31.7	.79	154	.059	1	2.16	.015	.13	<.1	.02	3.4	<.1	<.05	6	<.5
11200N 7550E	.3	19.9	4.4	78	<.1	38.0	17.7	435	4.17	1.4	.5	1.8	1.1	26	.1	.1	.1	87	.45	.085	12	40.5	1.40	200	.025	1	2.70	.011	.11	<.1	.02	4.2	<.1	<.05	9	<.5
11200N 7600E	.4	14.7	3.3	64	<.1	27.8	11.0	400	2.90	1.4	.3	<.5	.7	32	.1	.1	.1	66	.34	.040	6	35.4	.81	178	.056	1	2.02	.015	.12	<.1	.01	3.9	<.1	<.05	7	<.5
11200N 7650E	.4	47.4	6.0	81	.1	40.7	16.1	1534	3.45	.8	.5	<.5	1.0	53	.3	.1	.1	92	1.07	.111	20	43.0	1.02	496	.012	1	2.49	.010	.14	<.1	.05	8.9	<.1	<.05	8	<.5
11200N 7700E	.3	19.4	4.4	56	.1	34.3	14.1	567	3.40	2.5	.5	<.5	1.0	65	.1	.1	.1	64	.49	.083	12	34.3	.98	147	.069	2	1.89	.011	.14	<.1	.01	3.9	<.1	<.05	6	<.5
11200N 7750E	.3	12.1	4.2	56	<.1	29.3	12.4	431	3.24	1.1	.5	<.5	1.0	34	.1	.1	.1	59	.36	.049	7	33.5	1.02	100	.059	1	1.85	.010	.09	<.1	.02	3.4	<.1	<.05	6	<.5
11200N 7800E	.2	21.2	3.4	76	<.1	49.9	18.3	643	3.74	.5	.3	1.3	.9	37	.1	.1	.1	70	.38	.059	13	49.3	1.40	129	.013	1	2.44	.012	.14	<.1	.01	4.8	<.1	<.05	9	<.5
11200N 7850E	.3	24.3	3.5	94	<.1	32.4	15.1	793	3.24	1.7	.3	32.1	1.0	46	.1	.1	.1	64	.53	.080	14	36.8	1.07	111	.059	1	2.22	.016	.20	<.1	.02	4.7	<.1	<.05	7	<.5
11200N 7900E	.4	37.8	4.8	60	.1	35.0	15.4	647	3.46	3.9	.4	1.6	1.2	83	.1	.2	.1	85	.83	.068	14	48.6	1.03	116	.111	3	2.37	.030	.15	<.1	.03	6.5	<.1	<.05	7	<.5
11200N 7950E	.3	12.5	2.9	73	<.1	18.4	9.2	602	2.22	<.5	.2	9.1	.7	39	.1	.1	.1	50	.35	.050	5	28.7	.57	114	.071	1	1.64	.016	.18	<.1	.01	3.2	<.1	<.05	5	<.5
11200N 8000E	.2	13.6	2.8	116	<.1	22.3	9.8	329	2.43	.7	.2	<.5	.6	25	.1	.1	.1	61	.31	.039	4	28.8	.67	102	.050	1	1.92	.020	.12	<.1	.01	3.4	<.1	<.05	6	<.5
11000N 6000E	.4	19.9	4.6	51	.1	33.1	12.7	306	3.15	.8	.4	<.5	1.4	68	.1	.1	.1	79	.29	.116	3	48.5	.48	154	.185	1	3.64	.038	.14	<.1	.02	3.9	<.1	<.05	8	<.5
11000N 6050E	.2	37.3	4.7	65	<.1	44.7	20.8	606	3.24	<.5	.6	<.5	2.5	114	.1	.1	.1	73	.89	.072	18	51.1	1.97	135	.147	1	2.39	.061	.23	<.1	.03	10.1	<.1	<.05	6	<.5
11000N 6100E	.4	14.3	4.3	68	.1	24.6	7.1	363	2.26	1.2	.3	<.5	.8	61	.1	.2	.1	52	.38	.100	3	33.0	.39	128	.129	1	2.47	.024	.12	<.1	.02	3.1	<.1	<.05	7	<.5
11000N 6150E	.3	10.8	5.7	93	<.1	19.7	5.9	471	1.87	.7	.3	<.5	.8	57	.1	.1	.1	34	.35	.080	3	23.0	.28	136	.120	1	2.23	.029	.09	<.1	.01	2.7	<.1	<.05	7	<.5
11000N 6200E	.4	14.0	3.5	70	<.1	16.3	7.1	403	2.44	<.5	.3	<.5	1.0	71	<.1	<.1	.1	50	.55	.045	3	30.5	.35	99	.112	1	1.86	.063	.15	<.1	.01	3.8	<.1	<.05	5	<.5
11000N 6250E	.3	18.3	3.9	64	<.1	23.5	9.7	545	2.66	<.5	.4	.8	1.4	91	.1	.1	.1	53	.62	.059	6	40.3	.56	124	.140	2	2.60	.051	.17	<.1	.02	5.8	<.1	<.05	6	<.5
11000N 6300E	.4	12.5	3.4	48	<.1	11.8	6.6	531	1.98	<.5	.2	1.1	.7	62	.1	<.1	<.1	43	.36	.043	3	20.1	.22	116	.102	<1	1.34	.053	.15	<.1	.01	2.5	<.1	<.05	3	<.5
11000N 6350E	.4	8.1	3.5	69	<.1	8.0	3.7	985	1.19	<.5	.2	<.5	.4	50	.1	<.1	<.1	26	.30	.041	2	13.6	.16	108	.079	<1	1.11	.043	.09	<.1	.01	2.0	<.1	<.05	3	<.5
11000N 6400E	.3	12.9	3.8	45	<.1	19.1	7.6	332	2.30	.6	.3	.8	1.1	68	.1	.1	.1	50	.42	.058	4	30.5	.41	103	.132	1	2.41	.038	.12	<.1	.01	3.6	<.1	<.05	6	<.5
11000N 6450E	.3	23.2	3.8	49	<.1	39.4	12.9	324	3.46	1.5	.9	.7	2.1	116	.1	.1	<.1	95	.72	.083	18	53.7	1.17	105	.141	1	2.47	.065	.16	<.1	.03	8.7	<.1	<.05	6	<.5
11000N 6500E	.3	18.4	3.7	51	<.1	25.6	10.3	339	2.92	1.3	.4	<.5	1.3	101	.1	.2	<.1	77	.55	.041	6	45.5	.67	117	.138	<1	2.18	.057	.08	<.1	.01	5.5	<.1	<.05	5	<.5
11000N 6550E	.4	18.4	2.8	59	<.1	27.6	10.4	596	2.98	<.5	.3	<.5	1.4	79	.1	.1	.1	77	.57	.034	9	50.4	.65	137	.112	2	1.81	.048	.21	<.1	.02	5.2	<.1	<.05	5	<.5
11000N 6600E	.4	10.8	4.0	84	<.1	11.2	4.1	392	1.60	.5	.2	.6	.6	46	.1	.1	.1	35	.29	.093	3	21.8	.22	88	.107	1	1.54	.035	.08	.1	.02	2.3	<.1	<.05	5	<.5
11000N 6650E	.5	10.6	4.2	52	<.1	11.9	4.8	369	1.71	.6	.2	2.0	.8	57	.1	.1	.1	36	.36	.046	4	21.7	.27	106	.115	1	1.67	.042	.10	<.1	.02	2.7	<.1	<.05	4	<.5
11000N 6700E	.3	15.2	3.4	39	<.1	19.5	6.6	247	2.63	<.5	.3	.6	.8	84	.1	.1	.1	68	.44	.030	3	41.8	.39	88	.176	<1	2.06	.059	.09	<.1	.02	4.0	<.1	<.05	5	<.5
11000N 6750E	.5	11.4	4.1	110	<.1	13.7	4.9	301	1.94	1.1	.3	21.8	.7	49	.1	.2	.1	57	.35	.051	3	27.1	.32	77	.174	2	1.49	.032	.10	<.1	.05	3.0	<.1	<.05	5	<.5
11000N 6800E	.6	9.6	3.7	51	<.1	10.4	5.6	322	1.72	.9	.2	<.5	.5	38	.1	.2	.1	47	.33	.040	2	24.4	.29	77	.129	3	1.24	.036	.08	<.1	.01	2.2	<.1	<.05	4	<.5
11000N 6850E	.3	14.1	3.3	53	<.1	16.2	6.6	252	2.30	.9	.3	<.5	.9	47	.1	.6	.1	67	.35	.034	3	33.5	.34	97	.170	<1	1.42	.044	.11	<.1	.01	3.3	<.1	<.05	4	<.5
11000N 6900E	.4	15.0	4.2	69	<.1	21.7	7.9	342	2.75	1.9	.3	1.1	1.0	55	.1	.4	.1	76	.44	.032	4	37.7	.53	83	.201	2	1.88	.040	.12	<.1	.02	4.8	<.1	<.05	6	<.5
RE 11000N 6900E	.3	15.4	4.2	68	<.1	22.4	8.0	349	2.77	1.9	.3	<.5	1.0	55	<.1	.3	.1	77	.45	.032	4	38.2	.55	83	.203	1	1.95	.043	.13	<.1	.01	4.8	<.1	<.05	5	<.5
11000N 6950E	.3	8.5	3.6	73	<.1	11.6	4.1	245	1.73	.8	.2	.6	.5	35	.1	.2	.1	48	.28	.029	2	22.8	.25	67	.159	1	1.38	.035	.06	<.1	.01	2.5	<.1	<.05	4	<.5
11000N 7000E	.5	17.9	4.8	64	<.1	23.7	9.0	502	2.79	1.8	.4	1.2	1.1	76	.1	.3	.1	86	.52	.045	6	38.9	.53	106	.213	1	1.98	.042	.10	<.1	.02	4.9	<.1	<.05	6	<.5
11000N 7050E	.4	17.7	4.0	53	<.1	21.9	9.8	397	2.74	1.6	.4	2.1	1.1	67	.1	.2	.1	84	.51	.041	6	33.7	.55	107	.212	2	1.64	.031	.12	<.1	.02	5.7	<.1	<.05	5	<.5
STANDARD DS6	11.9	125.4	29.5	146	.3	25.5	11.0	710	2.86	21.0	6.7	52.8	3.1	40	6.0	3.6	4.9	58	.87	.078	14	189.2	.59	166	.082	18	1.96	.074	.17	3.4	.23	3.4	1.8	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
11000N 7100E	.6	19.3	3.7	70	<.1	27.6	10.3	411	3.06	1.7	.5	1.2	1.4	42	<.1	.3	.1	72	.41	.035	8	29.7	.56	164	.073	2	1.78	.025	.17	<.1	.02	5.3	.1	<.05	6	<.5
11000N 7150E	.5	16.8	4.6	64	<.1	22.1	9.6	661	2.87	1.9	.3	<.5	1.2	52	<.1	.3	.1	75	.40	.043	4	31.0	.43	120	.117	2	1.53	.027	.15	<.1	.03	4.0	<.1	<.05	5	<.5
11000N 7200E	.4	17.1	3.6	72	<.1	20.2	8.0	410	2.56	1.3	.4	<.5	1.4	47	<.1	.1	.1	66	.49	.033	8	31.9	.40	124	.093	2	1.86	.033	.14	<.1	.28	5.5	.1	<.05	5	<.5
11000N 7250E	.3	27.5	3.5	89	.1	28.9	10.8	542	2.97	3.2	.4	<.5	1.5	90	.1	.2	.1	75	.83	.072	11	36.9	.72	140	.121	4	2.04	.040	.20	<.1	.13	6.8	<.1	<.05	6	<.5
11000N 7300E	.5	17.1	4.2	61	<.1	18.4	8.6	429	2.71	1.7	.4	2.2	1.3	55	.1	.2	.1	78	.49	.031	7	33.6	.44	102	.141	1	1.51	.025	.13	<.1	.05	5.1	<.1	<.05	5	<.5
11000N 7350E	.6	15.7	5.1	96	<.1	20.3	9.8	821	2.55	2.0	.3	<.5	1.2	58	.1	.1	.1	64	.52	.032	6	27.6	.49	107	.099	2	1.62	.033	.26	<.1	.03	4.3	<.1	<.05	5	<.5
11000N 7400E	.4	9.5	3.6	83	<.1	14.2	4.9	480	1.75	1.7	.2	<.5	.7	44	.1	.1	.1	40	.42	.044	4	21.3	.35	85	.092	2	1.43	.020	.12	<.1	.02	3.2	<.1	<.05	4	<.5
11000N 7450E	.5	32.0	3.5	54	.1	28.5	14.6	514	3.93	3.1	.5	<.5	2.2	71	<.1	.1	.1	70	.70	.075	18	21.2	.50	104	.005	<1	2.62	.014	.18	<.1	.03	7.7	<.1	<.05	7	<.5
RE 11000N 7450E	.5	31.3	3.2	54	.1	28.2	14.0	489	3.85	3.0	.5	<.5	2.1	67	<.1	.1	.1	69	.70	.074	18	20.9	.49	102	.005	<1	2.56	.014	.17	<.1	.02	7.4	<.1	<.05	6	<.5
11000N 7500E	.4	11.9	3.4	83	<.1	15.8	5.6	588	2.16	1.4	.2	3.9	.6	51	.1	.2	.1	66	.39	.019	3	27.9	.32	88	.147	2	1.24	.031	.14	<.1	.02	3.4	<.1	<.05	4	<.5
11000N 7550E	.4	19.7	4.4	83	<.1	27.8	10.6	541	3.11	1.4	.5	<.5	1.5	67	.1	.3	.1	86	.47	.037	10	44.7	.60	130	.167	2	1.96	.037	.22	<.1	.01	6.5	.1	<.05	6	<.5
11000N 7600E	.4	13.8	3.5	71	<.1	29.1	12.6	408	3.18	1.4	.3	.8	.9	44	<.1	.1	.1	76	.47	.034	7	41.3	1.01	162	.031	1	2.27	.017	.19	<.1	.02	5.2	<.1	<.05	7	<.5
11000N 7650E	.2	21.2	4.3	98	<.1	34.2	16.6	690	3.47	.9	.4	<.5	1.3	33	.1	.1	.1	64	.51	.054	16	49.6	1.29	210	.009	1	2.85	.014	.17	<.1	.02	4.6	<.1	<.05	9	<.5
11000N 7700E	.3	20.4	4.0	66	<.1	32.9	16.7	522	3.54	1.6	.3	.7	1.1	33	<.1	.1	.1	69	.46	.040	15	39.0	1.21	208	.006	1	2.61	.011	.19	<.1	.02	3.8	<.1	<.05	8	<.5
11000N 7750E	.3	16.3	2.8	84	.1	30.0	13.8	396	3.23	.7	.4	2.5	1.0	30	<.1	.1	.1	71	.45	.043	10	43.2	1.13	200	.025	1	2.41	.013	.15	<.1	.01	4.3	<.1	<.05	8	<.5
11000N 7800E	.3	28.9	3.3	122	.1	30.7	14.8	829	3.24	1.2	.4	2.2	1.0	52	.2	.1	.1	64	.77	.139	16	40.7	.85	322	.025	2	2.00	.012	.28	<.1	.02	4.8	<.1	<.05	7	<.5
11000N 7850E	.4	30.2	3.7	70	.1	32.7	14.8	587	3.54	2.5	.5	18.1	1.0	56	.1	.1	.1	76	.69	.079	16	44.8	.97	161	.037	1	2.53	.014	.18	<.1	.02	5.5	<.1	<.05	8	<.5
11000N 7900E	.3	18.5	3.5	98	<.1	32.9	17.8	576	3.54	.8	.3	4.6	.9	25	.1	.2	<.1	82	.38	.077	9	34.2	1.18	167	.012	1	2.49	.014	.30	<.1	.02	6.0	<.1	<.05	8	<.5
11000N 7950E	.4	16.4	4.6	96	<.1	22.8	9.2	684	2.60	1.1	.4	3.5	1.1	52	.1	.1	.1	73	.45	.031	7	40.4	.51	132	.200	1	2.01	.025	.15	<.1	.02	4.7	<.1	<.05	6	<.5
11000N 8000E	.5	19.5	4.7	64	<.1	23.9	10.0	405	2.84	1.5	.5	1.5	1.3	55	.1	.2	.1	82	.49	.034	9	45.9	.56	86	.238	1	1.89	.034	.16	<.1	.01	5.6	<.1	<.05	6	<.5
10800N 6000E	.4	10.4	4.3	47	<.1	14.6	5.5	214	1.71	.8	.2	.8	.5	46	<.1	.1	.1	40	.26	.084	2	24.1	.23	96	.114	1	1.87	.022	.08	<.1	.02	2.0	<.1	<.05	5	<.5
10800N 6050E	.5	11.8	4.9	98	<.1	21.7	6.6	708	1.83	1.3	.2	1.3	.8	37	<.1	.1	.1	44	.25	.108	2	25.5	.28	117	.132	1	2.06	.023	.11	<.1	.01	2.6	<.1	<.05	6	<.5
10800N 6100E	.2	57.7	3.4	84	<.1	77.9	30.1	861	2.96	.6	.7	<.5	1.6	465	.1	.1	<.1	92	.99	.056	11	51.6	2.62	275	.124	1	2.94	.034	.35	<.1	.02	11.0	<.1	<.05	9	<.5
10800N 6150E	.2	29.5	3.3	60	.1	46.8	18.3	479	3.17	1.7	.7	3.9	2.1	1048	.1	.2	.1	55	1.28	.051	18	52.8	1.68	385	.197	1	3.16	.062	.24	<.1	.03	10.8	.1	<.05	7	<.5
10800N 6200E	.6	10.8	2.1	68	<.1	17.1	6.5	335	2.31	.5	.2	<.5	.7	84	<.1	<.1	<.1	74	.36	.045	3	42.1	.34	66	.092	1	1.68	.040	.08	.1	.02	3.3	<.1	<.05	4	<.5
10800N 6250E	.3	8.9	3.4	45	<.1	10.7	4.4	214	1.79	.8	.2	5.9	.5	61	<.1	.2	.1	49	.28	.021	2	24.0	.24	79	.150	1	1.24	.032	.09	.1	.01	2.4	<.1	<.05	4	<.5
10800N 6300E	.4	22.2	3.7	55	<.1	25.2	9.4	336	2.90	1.0	.4	1.2	1.4	70	.1	.1	.1	69	.49	.084	6	39.9	.64	81	.149	1	2.12	.040	.14	<.1	.02	6.3	<.1	<.05	6	<.5
10800N 6350E	.4	18.0	4.8	74	.1	24.6	9.5	397	2.71	1.4	.5	1.3	1.2	68	.1	.2	.1	74	.48	.094	4	34.5	.53	114	.202	2	2.01	.043	.12	<.1	.01	4.4	<.1	<.05	6	<.5
10800N 6400E	.3	48.1	3.7	58	.1	54.3	20.1	727	3.79	3.2	.7	4.6	2.1	134	<.1	.2	<.1	95	1.05	.089	18	60.9	1.65	117	.151	2	2.71	.062	.13	<.1	.04	11.6	<.1	<.05	8	<.5
10800N 6450E	.4	19.7	4.5	55	<.1	25.8	9.8	259	3.14	2.4	.4	.6	.9	114	<.1	.4	.1	100	.57	.059	4	40.6	.57	110	.242	1	2.24	.038	.09	<.1	.02	5.1	<.1	<.05	6	<.5
10800N 6500E	.6	35.0	3.9	53	<.1	49.5	18.5	2147	3.68	5.5	.7	3.7	1.9	117	<.1	.2	.1	102	1.06	.089	15	62.0	1.33	114	.172	2	2.51	.072	.09	.1	.06	10.1	<.1	<.05	7	<.5
10800N 6550E	.6	31.4	6.8	58	<.1	35.7	14.8	1006	3.01	4.8	1.1	1.4	1.1	103	.1	.1	.1	83	1.41	.106	11	45.6	.85	103	.118	6	1.92	.042	.17	.1	.04	6.4	<.1	<.05	5	<.5
10800N 6600E	.7	37.1	4.1	65	.1	38.6	14.7	1130	2.96	2.4	.7	<.5	1.2	82	.2	.1	.1	72	.94	.052	13	44.9	.79	102	.135	3	2.08	.040	.12	<.1	.03	7.4	<.1	<.05	6	<.5
10800N 6650E	.5	14.0	3.4	65	<.1	11.8	5.1	431	1.75	1.0	.3	.5	.7	51	.1	.1	.1	48	.41	.036	3	24.5	.26	103	.139	2	1.10	.034	.15	<.1	.02	2.8	<.1	<.05	3	<.5
STANDARD DS6	11.7	124.3	29.5	144	.3	25.1	10.9	709	2.85	21.0	6.6	46.9	3.1	40	6.1	3.6	5.0	57	.87	.078	14	189.0	.59	165	.080	18	1.94	.074	.15	3.4	.23	3.3	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10800N 6700E	.3	12.3	3.5	61	<.1	13.2	5.0	355	1.82	.5	.2	<.5	.8	58	<.1	.1	.1	51	.32	.019	3	31.5	.23	126	.145	1	1.13	.036	.13	<.1	.01	2.6	<.1	<.05	3	<.5
10800N 6750E	.2	30.8	3.5	61	.1	38.3	12.2	429	3.02	<.5	.9	1.3	2.5	251	.1	<.1	<.1	63	.76	.044	18	48.4	1.06	178	.122	3	2.32	.050	.40	<.1	.02	10.4	<.1	<.05	6	<.5
10800N 6800E	.5	27.5	4.1	89	.1	32.4	12.4	651	3.11	5.0	.5	1.5	1.5	95	.1	.4	.1	78	.78	.091	10	51.8	.84	125	.126	3	2.26	.029	.19	<.1	.03	7.0	<.1	<.05	6	<.5
10800N 6850E	.6	25.2	4.0	58	.1	23.7	10.8	697	2.69	3.4	.5	1.1	1.1	64	<.1	.3	.1	70	.63	.092	8	39.9	.56	117	.141	2	1.97	.036	.14	<.1	.03	5.2	<.1	<.05	6	<.5
10800N 6900E	.6	13.5	3.5	73	<.1	12.3	5.2	721	1.86	1.7	.2	1.9	.6	49	.1	.2	.1	54	.37	.066	3	27.0	.26	113	.138	2	1.21	.030	.12	.1	.02	2.7	<.1	<.05	4	<.5
10800N 7000E	.4	14.8	3.8	66	<.1	17.6	7.0	349	2.45	1.9	.3	1.3	1.0	56	.1	.3	.1	71	.41	.038	4	34.2	.41	84	.160	1	1.51	.033	.11	<.1	.01	4.2	<.1	<.05	4	<.5
10800N 7100E	.3	12.6	3.8	71	<.1	14.5	5.3	427	2.13	1.7	.3	.7	.8	57	<.1	.2	.1	60	.42	.027	3	30.9	.33	88	.146	2	1.46	.039	.15	<.1	.02	3.5	<.1	<.05	4	<.5
10800N 7150E	.4	14.4	4.0	50	<.1	17.9	7.0	339	2.37	1.4	.3	4.0	.9	56	.1	.2	.1	65	.46	.030	4	35.4	.42	79	.167	1	1.46	.037	.15	<.1	.02	4.2	<.1	<.05	4	<.5
10800N 7200E	.4	13.3	3.9	79	<.1	15.5	5.7	348	2.18	1.4	.3	1.8	1.0	52	.1	.2	.1	61	.42	.043	4	33.1	.34	89	.163	2	1.39	.034	.17	<.1	.02	3.6	<.1	<.05	4	<.5
10800N 7250E	.3	18.2	3.6	80	<.1	18.5	8.7	443	2.82	1.0	.3	.8	1.0	68	.1	.1	.1	84	.55	.036	5	40.3	.50	90	.152	1	1.67	.054	.14	<.1	.04	5.9	<.1	<.05	5	<.5
10800N 7300E	.3	57.6	3.7	45	.1	34.9	14.4	656	3.33	1.9	.5	1.0	1.4	112	.1	.2	.1	89	1.06	.024	16	44.1	.94	131	.134	5	2.43	.074	.12	<.1	.04	8.0	<.1	<.05	6	<.5
10800N 7350E	.4	25.1	3.9	65	<.1	32.4	12.1	601	3.33	4.7	.5	.5	1.4	94	.1	.4	.1	88	.66	.080	10	45.6	.82	106	.117	1	1.88	.045	.23	<.1	.03	6.8	<.1	<.05	6	<.5
10800N 7400E	.3	27.7	4.7	62	<.1	32.4	13.2	704	3.34	2.5	.5	1.4	1.6	86	.1	.2	.1	95	.67	.057	13	46.7	.73	112	.141	1	2.10	.043	.18	<.1	.02	7.6	<.1	<.05	6	<.5
10800N 7450E	.4	23.5	4.6	68	<.1	28.5	11.1	626	3.15	3.7	.4	1.3	1.4	102	.1	.4	.1	83	.71	.066	10	44.5	.70	108	.121	2	1.93	.034	.20	<.1	.03	6.5	<.1	<.05	6	<.5
10800N 7500E	.4	23.0	4.2	58	<.1	31.8	12.2	432	3.40	2.4	.5	<.5	1.5	67	.1	.2	.1	86	.62	.055	10	41.9	.76	86	.110	<1	2.31	.032	.16	<.1	.03	7.6	<.1	<.05	7	<.5
10800N 7550E	.3	16.7	3.9	64	<.1	22.6	8.8	419	2.76	1.3	.4	<.5	1.1	67	.1	.2	.1	76	.50	.033	9	38.0	.52	88	.147	1	1.61	.042	.19	<.1	.02	5.5	<.1	<.05	5	<.5
10800N 7600E	.5	19.7	4.4	72	<.1	30.8	14.8	671	3.42	2.4	.4	.8	1.2	49	.1	.1	.1	85	.48	.030	13	46.0	.98	157	.033	<1	2.58	.018	.30	<.1	.01	6.1	.1	<.05	8	<.5
10800N 7650E	.4	16.7	4.1	87	<.1	27.2	9.9	491	2.77	1.4	.4	.7	1.2	49	.1	.1	.1	71	.43	.045	6	41.5	.67	135	.119	<1	2.49	.026	.15	<.1	.02	5.4	<.1	<.05	7	<.5
10800N 7700E	.4	22.4	4.5	89	<.1	32.7	13.4	642	3.41	1.9	.5	.8	1.3	60	<.1	.2	.1	92	.47	.044	11	50.8	.96	230	.077	1	2.71	.023	.16	<.1	.02	6.2	<.1	<.05	8	<.5
10800N 7750E	.2	14.4	3.0	58	<.1	23.9	10.4	244	2.81	.6	.3	.7	.9	30	<.1	.1	<.1	66	.34	.034	6	39.0	.85	193	.037	1	2.05	.015	.22	<.1	.01	4.6	<.1	<.05	7	<.5
10800N 7800E	.3	28.8	4.2	75	.1	32.6	13.5	502	3.31	1.3	.6	<.5	1.3	50	.1	.3	.1	85	.55	.052	15	48.2	1.03	180	.063	1	2.53	.019	.15	<.1	.02	5.8	<.1	<.05	7	<.5
10800N 7850E	.3	28.3	4.8	64	<.1	29.5	13.6	257	3.53	1.2	.5	.8	1.3	41	<.1	.2	.1	88	.48	.039	14	34.7	.90	227	.036	1	2.37	.017	.13	<.1	.02	6.0	<.1	<.05	7	<.5
10800N 7900E	.3	16.2	4.0	55	<.1	19.7	7.4	292	2.56	.9	.4	<.5	1.2	53	<.1	.2	.1	78	.42	.027	6	42.0	.46	88	.184	1	1.53	.028	.14	<.1	.01	4.5	<.1	<.05	4	<.5
10800N 7950E	.3	19.7	4.0	76	<.1	25.1	11.9	405	2.98	1.3	.6	<.5	1.0	40	<.1	.2	.1	81	.52	.039	12	35.5	.81	130	.177	<1	2.12	.019	.19	<.1	.01	5.3	<.1	<.05	7	<.5
10800N 8000E	.3	21.4	3.9	74	<.1	27.8	13.3	358	3.11	1.3	.5	.6	1.0	35	<.1	.1	.1	74	.49	.043	14	34.3	.98	143	.110	1	2.23	.019	.22	<.1	.01	5.8	<.1	<.05	7	<.5
10600N 6000E	.4	12.0	4.9	44	<.1	15.9	7.5	306	2.38	.5	.3	<.5	.7	74	<.1	.1	<.1	61	.30	.032	2	34.3	.31	140	.161	<1	2.03	.039	.08	<.1	.02	2.6	<.1	<.05	5	<.5
10600N 6050E	.2	9.3	3.6	35	<.1	11.6	3.1	236	1.18	<.5	.3	<.5	.7	49	.1	.1	.1	31	.31	.014	7	18.6	.23	71	.091	<1	1.40	.040	.05	<.1	.02	3.0	<.1	<.05	3	<.5
10600N 6100E	.5	19.1	4.8	52	<.1	22.7	7.8	263	2.40	1.3	.4	<.5	1.1	71	<.1	.2	.1	65	.39	.062	4	34.8	.46	113	.152	1	2.21	.027	.10	<.1	.02	3.8	<.1	<.05	6	<.5
10600N 6150E	.5	18.5	4.7	66	.1	22.1	8.1	459	2.49	2.2	.3	.7	.8	75	.1	.3	.1	73	.45	.066	4	33.7	.48	109	.155	<1	1.77	.026	.12	<.1	.01	3.7	<.1	<.05	5	<.5
RE 10600N 6150E	.5	17.6	4.7	67	.1	21.7	7.9	459	2.42	2.0	.3	4.0	.9	75	<.1	.3	.1	71	.45	.064	4	32.7	.46	110	.151	1	1.80	.031	.12	<.1	.02	3.5	<.1	<.05	5	<.5
10600N 6200E	.4	14.8	5.0	65	.1	20.6	8.5	374	2.47	2.1	.3	1.9	.9	59	<.1	.2	.1	69	.40	.086	3	32.7	.43	116	.176	1	2.03	.029	.15	<.1	.01	3.5	<.1	<.05	6	<.5
10600N 6250E	.3	38.2	3.7	53	.1	44.6	16.0	423	3.66	1.7	.8	4.2	2.2	138	.1	.2	<.1	92	.72	.060	23	60.6	1.40	153	.120	1	3.02	.053	.13	<.1	.05	11.9	<.1	<.05	8	<.5
10600N 6300E	.4	36.7	4.2	58	.1	37.1	15.0	512	3.44	3.1	.6	1.8	1.6	118	<.1	.3	.1	100	.78	.072	12	49.7	1.13	112	.177	1	2.56	.047	.14	.1	.03	8.6	<.1	<.05	7	<.5
10600N 6350E	.5	17.6	5.0	52	.1	26.4	9.9	321	3.34	1.4	.5	.6	1.0	72	<.1	.3	.1	108	.52	.039	5	41.6	.62	93	.291	2	1.83	.029	.07	<.1	.02	5.7	<.1	<.05	5	<.5
STANDARD DS6	11.7	123.8	29.4	144	.3	24.9	10.9	706	2.86	20.9	6.6	50.8	3.1	40	6.0	3.4	5.0	57	.86	.078	14	188.5	.59	165	.082	18	1.95	.075	.16	3.3	.23	3.3	1.7	<.05	6	4.3

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10600N 6400E	.5	12.0	5.4	94	.1	18.6	6.8	703	2.21	1.0	.3	<.5	.7	40	.2	.2	.1	63	.42	.050	3	26.4	.39	82	.178	1	1.58	.019	.10	<.1	.01	3.6	<.1	<.05	5	<.5
10600N 6450E	.4	11.0	3.5	48	<.1	12.1	5.6	349	1.92	.7	.2	.8	.6	52	.1	.1	.1	56	.40	.032	3	26.8	.28	71	.161	1	1.06	.032	.13	<.1	.01	3.1	<.1	<.05	3	<.5
10600N 6500E	.3	20.7	4.5	36	.1	24.6	12.6	977	2.23	1.0	.4	2.3	1.3	86	.1	.1	.1	62	1.23	.025	9	33.2	.52	79	.146	4	1.40	.038	.07	<.1	.03	4.8	<.1	<.05	4	<.5
10600N 6550E	.4	33.3	4.4	64	.1	34.7	13.8	1954	2.68	1.3	.8	.6	1.4	90	.1	.1	.1	60	1.36	.048	16	45.8	.82	106	.122	4	1.78	.045	.12	<.1	.04	7.5	<.1	<.05	5	<.5
10600N 6600E	.3	11.8	3.5	42	<.1	11.5	5.6	202	2.07	.7	.4	<.5	.8	81	.1	.1	.1	62	.54	.022	4	27.0	.32	72	.193	1	1.19	.040	.10	<.1	.01	4.0	<.1	<.05	3	<.5
10600N 6650E	.3	18.0	4.0	65	.1	20.1	8.2	280	2.53	1.4	.6	2.2	1.2	94	.1	.2	<.1	71	.59	.088	5	34.6	.54	87	.190	1	1.75	.045	.10	<.1	.03	5.9	<.1	<.05	5	<.5
10600N 6700E	.3	17.2	3.4	55	.1	21.2	9.4	411	2.61	<.5	.5	<.5	1.5	136	.1	<.1	<.1	51	.56	.035	7	34.9	.80	132	.112	1	1.88	.034	.26	<.1	.02	6.1	<.1	<.05	5	<.5
10600N 6750E	.3	41.9	3.7	82	.1	35.9	13.0	765	2.76	2.2	.9	<.5	1.4	91	.2	.2	.1	76	1.27	.059	14	39.2	.67	89	.126	4	1.73	.036	.16	<.1	.02	6.9	<.1	<.05	5	<.5
10600N 6800E	.6	39.0	4.0	64	.1	35.3	13.8	774	2.79	6.1	.8	.7	.8	82	.2	.3	.1	78	1.14	.085	12	41.4	.71	91	.092	4	1.90	.027	.21	<.1	.03	6.3	<.1	<.05	5	<.5
10600N 6850E	.6	29.2	4.9	57	.1	26.2	11.8	705	2.57	5.6	.4	<.5	.9	81	.2	.5	.1	70	1.05	.073	9	38.1	.58	114	.100	5	1.54	.024	.19	.1	.03	5.1	<.1	<.05	5	<.5
RE 10600N 6850E	.7	30.0	4.7	57	.1	27.4	11.8	717	2.60	5.7	.5	1.4	1.0	82	.1	.5	.1	71	1.06	.075	9	37.7	.59	109	.101	5	1.60	.024	.19	<.1	.03	4.8	<.1	<.05	5	<.5
10600N 6900E	.4	19.9	4.7	81	.1	20.1	8.7	692	2.48	2.1	.3	1.6	1.0	81	.1	.3	.1	64	.68	.052	6	35.0	.48	165	.138	2	1.64	.028	.16	<.1	.02	4.9	<.1	<.05	5	<.5
10600N 6950E	.6	20.1	4.0	74	.1	21.1	8.3	651	2.23	3.2	.4	21.7	1.0	57	.1	.2	.1	51	.59	.116	6	33.4	.46	127	.104	2	1.79	.020	.17	<.1	.02	4.2	<.1	<.05	5	<.5
10600N 7000E	.4	16.1	3.8	85	.1	19.6	7.6	495	2.73	3.1	.3	24.0	1.0	59	.1	.3	.1	73	.45	.065	4	37.4	.48	109	.149	2	1.91	.026	.14	<.1	.02	4.8	<.1	<.05	5	<.5
10600N 7050E	.5	27.6	4.0	54	.1	27.4	10.7	683	2.73	2.9	.5	<.5	1.4	75	.1	.2	.1	70	.93	.068	9	40.4	.60	112	.142	4	1.89	.030	.22	<.1	.03	6.0	<.1	<.05	5	<.5
10600N 7100E	.6	23.2	4.3	46	.1	22.3	10.5	695	2.59	3.2	.5	<.5	.9	72	.1	.2	.1	68	1.05	.061	7	37.4	.54	86	.131	6	1.63	.030	.18	<.1	.03	5.2	<.1	<.05	5	<.5
10600N 7150E	.4	35.8	4.3	89	.1	29.1	13.2	691	2.78	3.1	.3	16.0	1.0	70	.3	.3	.1	71	.87	.066	7	39.8	.58	94	.133	3	1.82	.030	.11	<.1	.05	5.8	<.1	<.05	5	<.5
10600N 7200E	.4	25.4	4.1	62	.1	25.5	10.0	534	2.63	2.5	.4	<.5	1.4	59	.1	.3	.1	67	.56	.134	7	36.6	.52	126	.132	4	1.79	.026	.17	<.1	.02	5.3	<.1	<.05	5	<.5
10600N 7250E	.6	21.2	3.7	75	.1	21.6	8.6	626	2.21	2.9	.3	<.5	1.0	58	.2	.3	.1	56	.65	.087	6	34.3	.50	100	.110	4	1.58	.025	.19	<.1	.03	4.9	<.1	<.05	4	<.5
10600N 7300E	.5	17.4	3.7	90	.1	18.3	6.5	555	1.88	2.3	.3	<.5	.7	51	.1	.1	.1	42	.52	.102	4	24.4	.37	142	.098	3	1.63	.020	.16	<.1	.02	3.3	<.1	<.05	5	<.5
10600N 7350E	.6	35.3	4.0	48	.1	31.9	13.1	643	2.80	3.2	.6	<.5	1.7	78	.1	.2	.1	68	1.07	.055	14	35.7	.68	105	.105	4	2.12	.032	.16	<.1	.03	7.8	<.1	<.05	6	<.5
10600N 7400E	.5	24.9	4.1	46	.1	26.3	11.0	524	2.72	2.3	.4	<.5	1.1	75	.1	.2	.1	68	.80	.085	8	34.1	.59	111	.117	4	1.79	.029	.21	<.1	.02	5.6	<.1	<.05	5	<.5
10600N 7450E	.5	30.5	3.9	61	<.1	30.0	12.4	642	2.81	1.8	.4	<.5	1.3	76	.1	.2	.1	68	.73	.086	10	38.0	.72	129	.123	4	1.90	.031	.26	<.1	.02	6.9	<.1	<.05	6	<.5
10600N 7500E	.5	28.8	3.4	62	.1	45.2	15.4	679	2.82	1.9	.3	<.5	1.1	72	.1	.2	.1	66	.70	.054	7	40.0	1.03	107	.122	3	1.95	.032	.15	<.1	.02	8.2	<.1	<.05	6	<.5
10600N 7550E	.3	92.9	3.4	28	.2	31.8	10.1	438	2.30	2.4	.5	<.5	.9	112	.1	.2	.1	54	1.43	.041	17	29.3	.73	97	.082	6	1.65	.049	.08	<.1	.04	5.7	<.1	<.05	4	.5
10600N 7600E	.3	39.0	5.3	48	.1	27.5	12.2	657	2.57	2.7	.6	<.5	1.2	100	.1	.2	.1	75	1.37	.045	13	27.3	.71	98	.087	4	1.92	.038	.09	<.1	.08	6.4	<.1	<.05	5	<.5
10600N 7650E	.3	39.0	4.2	70	.1	35.8	14.3	539	3.35	3.2	.5	<.5	1.5	82	.1	.2	.1	96	.77	.054	12	40.8	1.00	105	.127	2	2.51	.044	.15	<.1	.05	8.5	<.1	<.05	7	<.5
10600N 7700E	.4	24.4	3.1	56	<.1	28.6	11.2	502	2.94	2.4	.4	<.5	1.4	81	.1	.2	.1	76	.67	.051	9	36.4	.72	89	.102	3	1.79	.034	.18	<.1	.03	7.0	<.1	<.05	5	<.5
10600N 7750E	.2	33.5	4.0	59	.1	34.5	13.0	374	3.12	1.9	.4	<.5	1.6	117	.1	.2	.1	85	.70	.041	11	38.6	.88	122	.134	3	2.37	.044	.11	<.1	.02	7.3	<.1	<.05	6	<.5
10600N 7800E	.3	18.3	3.9	53	<.1	18.7	8.1	357	2.64	1.5	.3	5.6	1.2	68	<.1	.2	.1	64	.49	.097	6	33.8	.43	114	.130	4	1.69	.032	.19	<.1	.02	5.5	<.1	<.05	5	<.5
10600N 7850E	.4	23.2	3.7	76	<.1	29.2	10.4	419	3.18	2.5	.5	5.1	1.5	69	<.1	.3	.1	90	.50	.042	11	44.2	.68	96	.140	2	1.85	.031	.26	<.1	.03	7.4	<.1	<.05	5	<.5
10600N 7900E	.4	21.6	4.1	54	<.1	26.8	10.9	291	3.33	2.5	.5	<.5	1.5	70	.1	.4	.1	98	.46	.043	9	45.9	.65	80	.151	2	1.83	.029	.17	<.1	.01	7.1	<.1	<.05	6	<.5
10600N 7950E	.3	21.2	4.3	68	<.1	24.5	9.8	373	2.88	1.1	.5	2.3	1.3	63	<.1	.2	.1	88	.49	.030	9	42.4	.59	88	.194	1	1.76	.034	.15	<.1	.02	6.5	<.1	<.05	5	<.5
10600N 8000E	.5	22.9	3.7	66	<.1	30.2	11.0	473	3.04	2.1	.5	<.5	1.4	75	.1	.2	.1	87	.57	.040	10	45.0	.71	80	.183	1	1.78	.029	.19	<.1	.04	7.3	<.1	<.05	5	<.5
STANDARD DS6	11.7	122.0	29.2	143	.3	25.2	10.8	704	2.86	20.9	6.5	47.1	3.1	40	6.0	3.6	4.9	56	.85	.078	13	187.2	.58	163	.080	17	1.93	.073	.15	3.6	.23	3.3	1.8	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10400N 6000E	.4	10.4	4.2	52	<.1	14.2	5.8	427	2.04	.9	.3	2.2	.6	53	.1	.2	.1	57	.29	.036	2	27.3	.31	117	.147	1	1.63	.018	.09	<.1	.01	2.3	<.1	<.05	5	<.5
10400N 6050E	.4	15.8	4.5	71	.1	21.6	7.4	513	2.09	.9	.3	.6	1.0	52	.1	.1	.1	48	.31	.066	3	28.6	.39	157	.126	<1	2.41	.020	.12	<.1	.02	2.7	<.1	<.05	6	<.5
10400N 6100E	.4	21.9	4.3	46	.1	25.3	9.5	327	2.90	2.9	.4	7.6	1.1	87	.1	.3	.1	84	.43	.068	5	38.1	.61	137	.168	1	2.25	.024	.08	<.1	.02	4.6	<.1	<.05	6	<.5
10400N 6150E	.5	9.7	4.9	53	.1	16.9	6.2	233	2.04	1.3	.2	1.0	.6	39	.1	.2	.1	52	.26	.102	2	25.3	.30	102	.137	1	1.95	.016	.07	<.1	.01	2.5	<.1	<.05	6	<.5
10400N 6200E	.4	14.0	4.5	79	<.1	19.9	7.5	278	2.59	1.9	.4	6.0	.8	67	.1	.3	.1	79	.40	.071	3	32.4	.43	105	.195	1	1.87	.019	.09	<.1	.01	3.6	<.1	<.05	6	<.5
10400N 6250E	.5	14.3	4.7	70	.1	17.4	6.7	456	2.27	1.3	.3	2.6	.7	58	.1	.2	.1	66	.37	.060	3	27.4	.36	123	.181	1	1.85	.020	.09	.1	.02	3.0	<.1	<.05	5	<.5
10400N 6300E	.5	18.6	4.5	63	.1	19.5	8.3	736	2.51	1.4	.3	<.5	.9	79	.1	.2	.1	76	.52	.055	5	35.8	.46	100	.179	2	1.91	.031	.11	<.1	.01	4.3	<.1	<.05	5	<.5
10400N 6350E	.5	17.2	3.3	65	<.1	16.6	6.9	559	2.20	1.1	.3	<.5	1.0	72	.1	.1	.1	61	.58	.100	4	31.7	.35	116	.155	3	1.32	.030	.14	<.1	.02	4.1	<.1	<.05	4	<.5
10400N 6400E	.4	33.0	4.3	75	.1	28.6	13.6	1067	2.73	1.5	.9	.5	1.5	87	.2	.1	.1	70	1.06	.073	10	54.3	.62	152	.150	6	1.72	.047	.16	<.1	.02	6.6	<.1	<.05	5	<.5
10400N 6450E	.2	33.2	4.4	76	.1	31.9	15.3	1038	2.60	1.7	1.2	<.5	1.6	76	.2	.1	.1	78	1.17	.025	11	51.4	.76	108	.164	4	1.93	.047	.06	<.1	.02	6.5	<.1	<.05	5	<.5
10400N 6500E	.3	12.5	4.2	58	.1	15.5	5.4	293	2.09	.9	.3	.7	.9	54	.1	.1	.1	59	.43	.047	3	27.8	.30	86	.169	3	1.33	.026	.12	<.1	.02	3.1	<.1	<.05	4	<.5
10400N 6550E	.5	32.2	4.7	63	.1	31.9	13.1	508	3.23	2.1	.8	2.1	1.6	101	.1	.2	.1	89	.76	.052	11	50.7	.77	105	.191	2	2.10	.043	.15	<.1	.03	7.9	<.1	<.05	6	<.5
10400N 6600E	.5	33.8	4.8	58	.1	28.4	11.4	623	2.79	2.1	.7	.9	1.4	120	.1	.2	.1	79	1.13	.073	11	42.7	.63	155	.157	5	1.92	.038	.12	<.1	.03	6.4	<.1	<.05	5	<.5
10400N 6650E	.4	18.9	5.6	76	.1	21.0	8.4	839	2.45	2.2	.4	2.0	.9	85	.1	.2	.1	69	.73	.114	5	34.2	.44	136	.156	3	1.88	.029	.10	<.1	.04	4.2	<.1	<.05	6	<.5
10400N 6700E	.4	19.0	4.5	47	.1	19.7	8.7	538	2.43	2.1	.5	<.5	1.0	89	.1	.2	.1	72	.67	.068	6	35.4	.45	106	.144	3	1.61	.032	.10	<.1	.01	4.1	<.1	<.05	5	<.5
10400N 6750E	.5	21.3	4.4	52	.1	24.3	9.9	554	2.64	1.9	.5	3.5	1.1	90	.1	.2	.1	72	.68	.103	7	36.7	.54	117	.141	2	1.89	.029	.12	.1	.02	4.4	<.1	<.05	5	<.5
10400N 6800E	.2	99.5	3.8	46	.1	44.7	10.1	440	2.63	2.1	1.0	1.1	1.0	130	.2	.2	.1	73	1.51	.057	23	37.0	.81	148	.118	5	1.90	.058	.06	<.1	.04	6.3	.1	<.05	5	.6
10400N 6850E	.2	35.1	4.2	68	.1	27.8	10.8	450	2.52	1.2	.3	<.5	1.6	142	.3	.1	.1	52	1.13	.243	8	35.2	.48	210	.121	7	2.10	.028	.18	<.1	.02	5.1	<.1	<.05	6	<.5
10400N 6900E	.2	130.9	3.5	41	.2	54.6	10.8	300	2.33	1.7	.7	1.0	1.1	128	.3	.2	.1	61	1.56	.057	23	37.3	.79	138	.100	6	1.74	.062	.07	<.1	.05	6.2	.1	<.05	4	.8
10400N 6950E	.3	28.6	3.7	52	<.1	26.7	10.0	431	2.35	1.3	.4	.6	1.2	100	.1	.1	.1	51	.95	.189	8	32.0	.56	128	.071	3	1.97	.026	.11	<.1	.02	4.6	<.1	<.05	5	<.5
10400N 7000E	.3	13.1	4.1	68	.1	13.9	5.9	412	1.94	.6	.2	1.2	.7	54	.1	<.1	.1	46	.36	.082	3	29.6	.29	96	.121	2	1.66	.030	.09	<.1	.01	2.4	<.1	<.05	5	<.5
10400N 7050E	.4	32.6	3.9	37	.1	28.4	11.9	415	2.83	1.8	.5	<.5	1.1	107	.1	.1	.1	79	.97	.079	8	41.6	.62	110	.126	4	1.82	.039	.08	<.1	.04	5.3	<.1	<.05	5	<.5
10400N 7100E	.3	38.4	4.4	50	.1	28.8	11.6	548	2.62	1.8	.5	1.0	1.2	103	.2	.1	.1	67	.96	.070	8	37.5	.71	120	.122	4	1.85	.041	.14	<.1	.03	5.5	<.1	<.05	5	<.5
10400N 7150E	.4	32.4	4.1	57	.1	35.1	13.9	505	3.29	3.3	.5	1.7	1.5	93	.1	.2	.1	90	.80	.088	13	47.8	.98	119	.132	2	2.44	.031	.15	<.1	.05	7.7	<.1	<.05	6	<.5
10400N 7200E	.3	74.8	4.2	65	.1	29.5	11.0	833	2.49	2.0	.9	.6	1.2	131	.3	.2	.1	76	1.49	.055	23	30.2	.72	130	.092	6	1.90	.034	.08	<.1	.04	5.7	<.1	<.05	5	.5
10400N 7250E	.4	36.0	3.9	63	.1	33.7	13.4	894	2.83	3.6	.5	2.5	1.2	120	.2	.3	.1	66	1.25	.205	10	40.9	.73	211	.111	4	2.26	.025	.18	<.1	.03	6.2	<.1	<.05	6	<.5
10400N 7300E	.4	23.0	3.4	60	.1	31.3	11.0	447	2.86	3.0	.4	<.5	1.1	91	.1	.3	.1	74	.74	.108	6	36.4	.72	119	.158	4	2.31	.029	.16	<.1	.01	5.9	<.1	<.05	6	<.5
RE 10400N 7300E	.4	23.0	3.6	57	.1	30.6	11.0	445	2.80	3.5	.4	1.2	1.0	88	.1	.3	.1	73	.74	.109	6	36.3	.70	119	.162	4	2.34	.030	.16	<.1	.02	5.9	<.1	<.05	6	<.5
10400N 7350E	.3	122.7	3.8	34	.2	43.1	12.2	546	2.81	6.6	1.0	3.5	1.3	141	.1	.4	.1	83	1.41	.047	27	43.2	.80	164	.117	4	2.10	.039	.07	<.1	.07	7.0	<.1	<.05	6	1.1
10400N 7400E	.3	31.5	3.4	32	.1	36.0	14.0	1671	2.77	9.6	.4	.6	1.2	232	.2	.2	.1	97	2.11	.060	13	34.5	.83	360	.092	8	1.65	.036	.11	<.1	.03	5.9	<.1	<.05	4	.9
10400N 7450E	.3	17.0	4.1	80	.1	20.8	8.9	453	2.68	2.4	.4	<.5	1.1	73	.1	.2	.1	69	.52	.055	4	35.5	.52	91	.173	2	1.77	.033	.13	<.1	.01	4.8	<.1	<.05	5	<.5
10400N 7500E	.4	24.8	4.2	72	.1	30.7	11.5	453	3.12	4.2	.5	2.1	1.5	86	.1	.4	.1	80	.62	.066	8	44.3	.75	108	.155	3	2.22	.032	.19	<.1	.04	7.1	<.1	<.05	6	<.5
10400N 7550E	.4	9.7	4.0	58	<.1	13.0	4.6	235	1.81	1.2	.2	.6	.6	35	<.1	.2	.1	43	.32	.030	2	25.0	.31	65	.129	1	1.42	.026	.11	<.1	.01	2.7	<.1	<.05	4	<.5
10400N 7600E	.3	12.5	3.8	48	<.1	17.2	6.1	203	2.04	1.6	.3	.5	.8	58	.1	.2	.1	51	.34	.033	3	30.3	.46	79	.131	1	1.54	.022	.09	<.1	.01	3.3	<.1	<.05	5	<.5
STANDARD DS6	11.5	121.7	29.2	141	.3	24.7	10.8	690	2.81	20.9	6.5	47.8	3.0	40	6.0	3.6	4.9	56	.84	.077	13	186.3	.57	161	.078	18	1.90	.072	.14	3.4	.23	3.2	1.8	<.05	6	4.6

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10400N 7650E	.4	10.5	4.2	61	<.1	15.3	6.3	369	1.91	1.4	.2	1.2	.9	45	.1	.1	.1	48	.28	.033	3	25.6	.43	83	.111	<1	1.37	.020	.10	<.1	.01	2.8	<.1	<.05	4	<.5
10400N 7700E	.4	26.1	5.3	57	.1	25.9	11.0	680	2.60	2.9	.6	<.5	1.2	138	.1	.3	.1	65	.85	.062	13	35.8	.66	107	.095	3	1.93	.027	.19	<.1	.03	5.7	<.1	<.05	5	<.5
10400N 7750E	.5	16.1	4.8	82	<.1	20.4	12.2	678	2.56	1.4	.3	.5	.8	47	.1	.1	.1	67	.37	.073	4	33.4	.88	114	.122	1	2.67	.025	.07	<.1	.02	4.8	<.1	<.05	7	<.5
10400N 7800E	.4	17.8	3.5	67	<.1	21.3	10.7	325	2.61	1.2	.3	<.5	.8	50	<.1	.1	.1	65	.40	.054	5	30.2	.73	65	.153	1	2.54	.034	.07	<.1	.01	5.3	<.1	<.05	7	<.5
10400N 7850E	.4	18.5	4.5	72	<.1	24.0	10.4	469	3.06	1.7	.4	.6	1.2	69	.1	.2	.1	91	.52	.042	5	40.7	.63	105	.168	<1	2.02	.025	.11	<.1	.02	5.4	<.1	<.05	6	<.5
10400N 7900E	.5	19.3	4.3	99	.1	24.1	9.4	647	2.71	1.9	.4	.5	1.3	73	.1	.1	.1	69	.67	.070	8	38.8	.66	97	.114	2	2.28	.026	.17	.1	.03	6.3	<.1	<.05	6	<.5
10400N 7950E	.3	27.8	3.2	24	.1	21.1	9.0	583	2.24	2.0	.2	8.2	1.1	125	.1	.2	.1	51	4.80	.043	10	28.2	.43	68	.075	8	1.72	.027	.14	<.1	.04	5.4	<.1	<.05	5	.5
10400N 8000E	.3	26.0	4.2	57	<.1	28.5	12.8	261	3.46	2.2	.5	2.7	1.3	69	.1	.4	.1	100	.61	.037	10	54.6	1.02	75	.210	1	2.81	.030	.11	<.1	.04	8.0	<.1	<.05	8	<.5
10200N 6000E	.3	13.1	5.1	65	<.1	17.5	7.7	417	2.43	.9	.3	3.8	.9	54	.1	.2	.1	66	.30	.051	3	32.4	.30	124	.167	<1	1.83	.024	.08	<.1	.01	2.8	<.1	<.05	5	<.5
10200N 6050E	.4	17.2	4.8	76	<.1	23.8	9.0	352	2.59	1.3	.3	1.6	1.1	50	.1	.2	.1	70	.32	.070	3	34.9	.44	130	.157	<1	2.34	.017	.11	<.1	.01	3.2	<.1	<.05	6	<.5
10200N 6100E	.5	11.3	4.2	52	<.1	15.7	6.4	444	2.21	1.1	.3	.6	.7	55	<.1	.2	.1	66	.29	.029	3	27.9	.32	125	.162	<1	1.64	.021	.07	<.1	.01	2.7	<.1	<.05	5	<.5
10200N 6150E	.5	16.2	4.9	94	.1	28.9	8.9	378	2.57	2.0	.4	<.5	1.3	47	.1	.2	.1	63	.32	.181	3	32.4	.44	183	.130	1	2.73	.019	.12	.1	.01	3.5	<.1	<.05	8	<.5
10200N 6200E	.6	15.0	5.0	76	.1	17.1	7.6	764	2.17	1.6	.2	<.5	.8	47	.2	.1	.1	58	.32	.145	3	28.2	.29	113	.137	1	1.69	.024	.09	<.1	.02	2.7	<.1	<.05	5	<.5
10200N 6250E	.4	7.8	3.1	64	<.1	8.7	3.7	331	1.57	.8	.2	1.2	.6	40	<.1	.1	.1	48	.27	.029	2	20.6	.19	78	.129	1	.99	.026	.08	<.1	.01	2.0	<.1	<.05	3	<.5
10200N 6300E	.4	8.1	3.1	76	<.1	9.7	3.9	321	1.66	.7	.2	<.5	.5	37	.1	.1	.1	48	.26	.034	2	21.5	.19	75	.130	1	1.08	.023	.08	.1	.01	2.1	<.1	<.05	3	<.5
10200N 6350E	.4	14.4	3.5	57	<.1	14.0	6.2	418	2.15	1.0	.3	.8	.8	61	.1	.2	.1	63	.46	.035	3	28.9	.31	96	.146	2	1.23	.029	.14	<.1	.02	3.1	<.1	<.05	4	<.5
10200N 6400E	.5	11.9	4.0	76	.1	13.0	5.3	386	1.86	.8	.4	<.5	.8	39	<.1	.1	.1	52	.32	.042	3	23.9	.27	99	.132	1	1.30	.034	.09	<.1	.02	2.6	<.1	<.05	4	<.5
10200N 6450E	.2	38.5	3.8	47	.1	32.0	12.6	634	2.64	1.3	.6	<.5	1.6	103	.1	.1	.1	71	1.10	.050	13	45.4	.60	283	.137	4	1.72	.046	.17	<.1	.03	6.1	<.1	<.05	5	.6
10200N 6500E	.3	46.9	4.3	28	.2	48.5	14.6	449	2.47	1.7	.6	<.5	1.1	161	.2	.2	.1	63	1.60	.057	27	34.4	.86	174	.092	2	2.20	.044	.07	<.1	.05	6.3	<.1	<.05	6	<.5
10200N 6550E	.5	10.5	5.8	49	<.1	15.3	5.3	289	1.71	<.5	.2	.8	.7	49	.1	<.1	.1	39	.29	.048	2	27.3	.18	130	.127	<1	1.77	.026	.11	<.1	.01	2.0	<.1	<.05	5	<.5
10200N 6600E	.4	15.2	4.9	49	.1	20.9	8.2	288	2.49	1.4	.4	<.5	.9	59	<.1	.2	.1	73	.38	.077	4	34.2	.47	135	.169	<1	1.94	.025	.07	<.1	.02	3.8	<.1	<.05	5	<.5
10200N 6650E	.4	18.4	5.8	78	.1	27.6	9.2	503	2.53	1.3	.4	1.3	1.1	60	.1	.2	.1	62	.43	.108	4	40.1	.44	193	.141	1	2.97	.023	.11	<.1	.02	4.0	<.1	<.05	7	<.5
RE 10200N 6550E	.4	11.4	5.7	52	<.1	17.1	5.3	289	1.76	<.5	.2	.7	.7	51	.1	<.1	.1	41	.31	.049	2	28.4	.19	133	.138	1	1.93	.028	.11	<.1	.01	2.3	<.1	<.05	5	<.5
10200N 6700E	.4	14.8	3.9	68	<.1	23.0	7.8	370	2.64	1.2	.4	.8	1.1	51	.1	.1	.1	62	.39	.044	4	42.1	.55	135	.139	1	2.14	.025	.13	<.1	.01	4.5	.1	<.05	6	<.5
10200N 6750E	.5	21.5	4.6	52	.1	44.5	16.5	854	3.32	.7	.6	1.4	1.3	71	.1	.1	.1	68	.76	.052	10	61.1	1.11	191	.073	1	2.10	.029	.13	<.1	.02	7.5	<.1	<.05	6	<.5
10200N 6800E	.5	22.1	4.9	79	.1	21.9	8.8	753	2.39	1.0	.3	1.4	1.0	61	.1	.1	.1	57	.55	.037	7	36.5	.50	150	.116	2	1.54	.032	.09	<.1	.02	4.5	<.1	<.05	4	<.5
10200N 6850E	.5	33.1	4.7	63	.1	34.1	13.7	737	3.19	1.8	1.0	1.2	1.5	92	.2	.1	.1	81	.86	.073	12	41.5	.74	173	.151	3	2.29	.039	.13	<.1	.03	7.2	<.1	<.05	6	<.5
10200N 6900E	.6	29.3	4.2	44	<.1	18.2	12.9	695	2.91	.9	.4	<.5	.9	66	.1	.1	<.1	85	.58	.031	5	26.4	.79	70	.200	2	1.83	.059	.13	<.1	.01	6.3	<.1	<.05	5	<.5
10200N 6950E	.4	24.8	4.6	52	.1	24.0	11.9	615	2.90	1.4	.4	.5	1.1	83	.1	.1	.1	82	.67	.068	7	38.7	.66	116	.155	3	1.99	.039	.16	<.1	.02	5.4	<.1	<.05	5	<.5
10200N 7000E	.3	56.8	4.6	53	.1	36.9	14.4	776	3.24	1.1	.5	.6	1.7	101	.2	.2	.1	81	.95	.024	18	45.8	.77	158	.128	5	2.17	.047	.08	<.1	.02	8.1	<.1	<.05	6	.5
10200N 7050E	.4	10.3	5.9	48	.1	17.7	5.0	187	1.66	.8	.2	<.5	.7	48	.1	<.1	.1	35	.35	.150	2	22.4	.27	135	.118	1	2.14	.024	.14	<.1	.01	2.1	<.1	<.05	8	<.5
10200N 7100E	.4	18.2	4.6	114	.1	28.4	8.4	292	2.73	.8	.3	.5	1.0	74	.1	.1	.1	58	.50	.237	3	38.5	.57	163	.123	1	2.96	.032	.17	<.1	.01	4.1	<.1	<.05	8	<.5
10200N 7150E	.3	9.6	3.4	93	<.1	10.8	4.1	341	1.54	<.5	.2	<.5	.5	35	.1	<.1	.1	33	.25	.111	2	22.9	.21	105	.093	1	1.33	.027	.10	<.1	.01	2.1	<.1	<.05	4	<.5
10200N 7200E	.5	9.0	4.0	104	.1	10.9	5.4	681	1.54	<.5	.2	<.5	.5	39	.2	<.1	.1	34	.29	.066	2	22.1	.22	94	.104	2	1.31	.025	.11	<.1	.02	1.9	<.1	<.05	4	<.5
STANDARD DS6	11.8	126.0	29.2	145	.3	25.6	11.0	715	2.89	21.3	6.6	46.9	3.1	41	6.1	3.6	5.0	57	.87	.080	14	190.3	.59	167	.083	17	1.98	.075	.17	3.4	.23	3.4	1.8	<.05	6	4.9

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10200N 7250E	.3	15.3	3.6	68	.1	15.8	6.3	316	2.38	.5	.3	.6	1.3	72	.1	<.1	.1	63	.41	.050	4	38.7	.33	87	.155	2	1.51	.038	.12	<.1	.01	4.2	<.1	<.05	4	<.5
10200N 7300E	.4	12.3	3.5	59	<.1	13.6	5.5	240	2.13	1.0	.3	<.5	.9	54	.1	.1	.1	54	.35	.034	3	31.1	.34	85	.139	1	1.36	.029	.12	<.1	.01	3.3	<.1	<.05	4	<.5
10200N 7350E	.4	17.0	4.3	83	<.1	19.7	6.9	390	2.56	1.0	.3	.8	1.0	46	.1	.1	.1	66	.38	.041	4	41.2	.38	91	.153	2	1.41	.028	.12	<.1	.01	4.0	<.1	<.05	4	<.5
10200N 7400E	.4	22.9	4.3	60	.1	43.5	15.6	733	3.36	1.0	.5	.5	1.7	85	.1	.1	.1	72	.81	.051	11	83.5	.79	157	.096	4	2.06	.024	.23	<.1	.02	7.2	<.1	<.05	6	<.5
10200N 7450E	.3	16.9	3.8	73	<.1	30.4	10.2	503	3.01	3.1	.4	.7	1.5	72	<.1	.6	.1	78	.51	.025	9	59.4	.78	72	.157	1	1.84	.033	.10	<.1	.01	6.8	<.1	<.05	6	<.5
RE 10200N 7250E	.4	14.8	3.5	68	.1	16.7	6.6	321	2.42	.6	.3	.7	1.3	74	.1	.1	.1	64	.41	.053	4	39.1	.33	86	.158	1	1.56	.041	.13	<.1	.02	4.1	<.1	<.05	4	<.5
10200N 7500E	.4	10.7	3.8	48	<.1	13.8	5.8	295	2.11	1.6	.2	2.0	.7	50	<.1	.3	.1	57	.33	.039	2	26.1	.35	70	.155	2	1.29	.021	.11	<.1	.01	3.1	<.1	<.05	4	<.5
10200N 7550E	.3	12.7	4.7	56	<.1	19.2	7.0	230	2.55	1.6	.3	.7	1.1	60	.1	.3	.1	67	.39	.025	3	31.3	.43	70	.201	1	1.74	.029	.06	<.1	.01	4.3	<.1	<.05	5	<.5
10200N 7600E	.5	19.3	5.6	91	<.1	20.8	8.4	441	2.97	2.3	.3	.5	1.3	68	.2	.2	.1	79	.48	.061	5	36.6	.47	85	.183	2	1.94	.034	.11	<.1	.02	5.4	<.1	<.05	5	<.5
10200N 7650E	.4	17.2	4.0	70	<.1	24.3	9.7	417	2.79	3.5	.3	1.6	1.2	77	.1	.4	.1	75	.47	.044	4	40.5	.64	79	.172	2	1.78	.027	.14	<.1	.02	5.3	<.1	<.05	5	<.5
10200N 7700E	.5	13.2	4.3	44	<.1	17.5	9.6	272	2.82	1.4	.3	<.5	1.0	81	<.1	.2	.1	76	.35	.029	4	34.4	.55	70	.145	1	1.52	.034	.10	<.1	.01	4.4	<.1	<.05	5	<.5
10200N 7750E	.5	21.4	5.9	106	<.1	27.5	12.8	1183	3.21	1.9	.4	.6	1.3	76	.1	.2	.1	94	.55	.061	9	45.2	.59	170	.150	1	2.31	.026	.19	<.1	.02	6.1	<.1	<.05	6	<.5
10200N 7800E	.5	37.4	4.0	59	<.1	27.3	12.8	375	3.65	2.7	.6	<.5	1.7	84	.1	.2	.1	94	.59	.075	12	57.5	.74	111	.128	2	2.93	.023	.16	<.1	.03	8.6	<.1	<.05	8	<.5
10200N 7850E	.5	30.7	3.6	88	<.1	27.0	16.3	802	3.87	1.8	.5	.5	1.0	74	.1	.8	.1	106	.78	.078	12	57.5	1.06	107	.101	2	2.95	.033	.12	<.1	.03	8.5	<.1	<.05	9	<.5
10200N 7900E	.3	13.7	3.9	87	<.1	19.3	10.5	406	2.90	1.4	.3	.7	.7	46	.1	.2	.1	78	.54	.035	3	36.8	.94	58	.216	2	2.40	.031	.12	<.1	.01	4.9	<.1	<.05	7	<.5
10200N 7950E	.6	14.3	4.6	91	<.1	16.4	8.0	547	2.41	1.2	.3	.6	.9	46	.1	.2	.1	64	.43	.034	3	28.5	.50	96	.183	1	1.78	.026	.10	<.1	.05	4.7	<.1	<.05	5	<.5
10200N 8000E	.2	23.9	4.0	159	.1	31.6	15.5	496	3.42	2.5	.4	.5	.8	82	.1	.2	.1	97	.79	.070	7	65.5	1.32	92	.247	3	4.08	.024	.09	<.1	.01	8.2	<.1	<.05	13	<.5
10000N 6000E	.3	9.4	3.3	52	<.1	11.3	4.7	268	1.74	.7	.2	30.4	.6	46	.1	.1	.1	50	.28	.036	2	22.6	.26	87	.143	1	1.21	.026	.06	<.1	.01	2.3	<.1	<.05	4	<.5
10000N 6050E	.6	15.7	3.8	60	<.1	19.6	8.2	370	2.82	.9	.3	.5	.9	71	<.1	.2	.1	95	.37	.028	3	44.7	.39	96	.236	1	1.51	.038	.08	<.1	.01	4.0	<.1	<.05	4	<.5
10000N 6100E	.5	10.7	4.3	73	<.1	14.7	5.9	512	1.94	.6	.2	1.7	.7	43	.1	.1	.1	54	.27	.043	2	28.0	.27	101	.168	1	1.61	.023	.09	<.1	.01	2.4	<.1	<.05	4	<.5
10000N 6150E	.4	12.9	4.0	60	<.1	14.9	6.6	357	2.35	.8	.3	7.4	.8	67	.1	.1	.1	66	.33	.034	3	29.9	.34	120	.178	1	1.43	.026	.09	<.1	.01	3.0	<.1	<.05	4	<.5
10000N 6200E	.4	10.5	3.3	85	<.1	12.7	4.8	393	1.80	.5	.2	2.7	.7	34	<.1	.1	.1	48	.26	.033	2	25.9	.25	104	.147	1	1.34	.025	.11	<.1	.01	2.8	<.1	<.05	4	<.5
10000N 6250E	.3	14.6	3.9	65	.1	18.9	6.5	289	2.17	1.0	.3	<.5	.9	51	.1	.1	.1	61	.35	.094	3	29.4	.31	121	.164	1	1.79	.025	.14	<.1	.01	3.1	<.1	<.05	5	<.5
10000N 6300E	.3	10.8	3.3	62	<.1	11.7	4.8	238	1.91	.5	.2	<.5	.6	45	<.1	.1	.1	56	.28	.029	2	25.8	.23	99	.159	1	1.33	.029	.09	<.1	.01	2.5	<.1	<.05	4	<.5
10000N 6350E	.4	14.0	4.0	52	<.1	19.0	7.6	389	2.51	.8	.3	1.0	1.0	58	.1	.1	.1	69	.37	.030	5	36.3	.48	96	.156	1	1.32	.023	.12	<.1	.02	3.8	<.1	<.05	4	<.5
10000N 6400E	.4	9.4	4.4	52	<.1	14.5	5.6	352	1.98	.6	.3	<.5	.7	43	<.1	.1	.1	55	.28	.030	3	25.7	.32	118	.162	1	1.78	.020	.07	<.1	.01	2.9	<.1	<.05	5	<.5
10000N 6450E	.4	12.9	5.6	52	<.1	19.4	7.2	357	2.45	1.0	.3	5.8	1.0	57	.1	.2	.1	67	.33	.039	4	34.9	.40	117	.196	<1	2.49	.020	.05	<.1	.02	3.4	<.1	<.05	6	<.5
10000N 6500E	.5	12.4	2.8	85	<.1	33.2	13.2	1014	2.99	<.5	.2	.5	1.0	49	.1	.1	.1	77	.36	.041	4	51.0	.44	121	.193	1	1.43	.034	.10	<.1	.02	5.4	<.1	<.05	4	<.5
10000N 6550E	.4	13.2	6.0	59	<.1	14.9	10.4	377	2.73	<.5	.5	1.0	1.3	57	<.1	<.1	.1	67	.41	.038	4	37.0	.62	59	.172	<1	1.97	.040	.10	<.1	.01	4.7	<.1	<.05	5	<.5
10000N 6600E	.3	14.6	5.1	45	<.1	17.8	6.9	242	2.40	.9	.3	1.5	1.1	66	.1	.2	.1	68	.34	.031	3	36.6	.35	131	.187	1	1.80	.034	.10	<.1	.01	3.7	<.1	<.05	5	<.5
10000N 6650E	.4	14.6	4.0	55	<.1	17.1	6.8	414	2.37	1.1	.3	3.4	.8	54	.1	.2	.1	76	.38	.030	3	32.9	.35	143	.198	<1	1.46	.027	.07	<.1	.01	3.7	<.1	<.05	4	<.5
10000N 6700E	.4	15.6	3.9	64	<.1	17.2	7.3	339	2.46	1.1	.3	.7	1.0	50	.1	.2	.1	78	.35	.040	3	33.3	.40	111	.195	1	1.53	.029	.09	<.1	.01	4.1	<.1	<.05	4	<.5
10000N 6750E	.4	12.2	3.9	67	<.1	14.3	6.1	500	2.09	.8	.3	1.9	.7	47	.1	.1	.1	68	.33	.026	3	27.4	.34	113	.168	1	1.22	.025	.07	<.1	.02	3.2	<.1	<.05	4	<.5
10000N 6800E	.4	9.8	3.8	47	<.1	10.5	5.2	357	1.78	.5	.2	2.0	.7	35	.1	.1	.1	53	.25	.025	2	23.8	.22	99	.148	1	.98	.022	.07	<.1	.01	2.5	<.1	<.05	3	<.5
STANDARD DS6	11.7	124.1	29.3	144	.3	25.4	10.8	707	2.84	21.0	6.6	47.9	3.1	39	6.0	3.5	5.0	56	.85	.078	13	186.8	.58	165	.078	16	1.91	.073	.14	3.5	.23	3.3	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
10000N 6850E	.4	13.2	4.6	92	<.1	23.5	8.8	736	2.12	<.5	.3	1.2	1.0	28	.1	.1	.1	53	.22	.054	3	32.6	.32	140	.171	1	1.84	.020	.10	<.1	.01	3.1	<.1	<.05	5	<.5
10000N 6900E	.3	16.6	5.2	71	<.1	41.5	14.1	416	2.90	<.5	.6	1.2	2.0	39	<.1	<.1	.1	69	.38	.038	11	60.5	.82	131	.160	1	2.07	.028	.15	<.1	.02	8.4	<.1	<.05	5	<.5
RE 10000N 6900E	.3	16.4	5.1	72	<.1	41.4	14.1	427	2.89	<.5	.6	.7	2.0	40	.1	<.1	.1	67	.37	.039	11	59.1	.84	135	.157	1	2.08	.028	.15	<.1	.01	8.4	<.1	<.05	6	<.5
10000N 6950E	.4	10.2	3.5	90	<.1	14.8	6.0	665	1.68	<.5	.2	2.4	.8	24	<.1	<.1	.1	39	.18	.038	2	30.5	.33	82	.120	1	.93	.026	.09	<.1	<.01	2.9	<.1	<.05	3	<.5
10000N 7000E	.4	13.4	3.1	79	<.1	18.8	6.5	605	1.73	<.5	.2	.8	.7	29	<.1	<.1	<.1	39	.27	.034	2	30.5	.34	78	.110	2	.91	.032	.16	<.1	<.01	3.4	<.1	<.05	3	<.5
10000N 7050E	.5	14.4	4.7	65	<.1	16.8	7.5	568	2.02	<.5	.2	.9	1.1	26	<.1	.1	.1	46	.24	.037	2	32.7	.38	77	.148	1	1.32	.031	.10	<.1	.01	3.3	<.1	<.05	4	<.5
10000N 7100E	.3	9.6	3.9	59	<.1	7.1	3.9	324	1.62	<.5	.2	1.0	.6	44	.1	<.1	<.1	50	.35	.027	1	14.5	.19	60	.191	1	1.09	.060	.11	<.1	.01	2.5	<.1	<.05	3	<.5
10000N 7150E	.4	29.8	4.9	113	.1	70.8	17.0	1049	4.01	<.5	.4	2.1	1.5	60	.1	.1	.1	84	.54	.047	11	58.1	1.35	158	.176	3	2.74	.031	.11	<.1	.02	10.1	<.1	<.05	7	<.5
10000N 7200E	.5	31.5	4.8	115	<.1	84.9	24.1	1490	3.42	.8	.5	.6	1.7	59	.2	.1	.1	81	.66	.039	17	61.5	1.45	179	.173	3	2.08	.034	.15	<.1	.02	10.1	<.1	<.05	6	<.5
10000N 7250E	.4	13.4	3.7	66	<.1	18.6	7.3	384	2.36	1.1	.3	.7	.9	74	.1	.3	.1	61	.35	.034	3	39.6	.47	106	.155	1	1.52	.027	.13	<.1	.01	3.6	<.1	<.05	4	<.5
10000N 7300E	.3	10.0	3.4	54	<.1	11.5	4.9	287	1.71	<.5	.2	.8	.8	52	.1	.1	.1	41	.32	.042	2	25.1	.24	88	.124	<1	1.42	.031	.08	<.1	.01	2.3	<.1	<.05	4	<.5
10000N 7350E	.3	12.5	2.9	79	<.1	12.0	4.8	365	1.83	<.5	.2	1.6	.9	46	.1	.1	<.1	39	.32	.031	3	25.7	.26	84	.113	1	1.15	.034	.17	<.1	.01	3.2	<.1	<.05	3	<.5
10000N 7400E	.2	10.4	3.4	97	<.1	9.9	3.7	326	1.40	.5	.2	<.5	.6	47	.2	<.1	.1	33	.32	.050	2	18.8	.22	97	.102	1	1.12	.032	.09	<.1	.01	2.0	<.1	<.05	4	<.5
10000N 7450E	.4	17.6	3.0	54	.1	26.3	9.3	328	3.03	.5	.4	1.5	1.7	81	.1	.1	.1	81	.49	.043	7	47.1	.63	90	.146	1	1.97	.047	.12	<.1	.02	6.5	<.1	<.05	5	<.5
10000N 7500E	.3	8.8	3.2	60	<.1	10.3	4.0	245	1.56	<.5	.2	.9	.6	49	.1	<.1	.1	37	.31	.044	2	23.8	.21	72	.120	1	1.26	.033	.11	<.1	.01	2.2	<.1	<.05	4	<.5
10000N 7550E	.3	10.4	3.5	58	<.1	24.1	6.6	295	2.04	.5	.1	1.6	.6	37	<.1	<.1	.1	42	.36	.023	2	24.3	.26	48	.086	<1	1.20	.037	.08	<.1	.01	3.1	<.1	<.05	3	<.5
10000N 7600E	.3	11.1	3.8	75	<.1	16.4	5.1	387	2.11	.9	.2	.8	.8	38	.1	.1	.1	51	.29	.020	2	30.2	.31	72	.149	<1	1.42	.032	.11	<.1	.01	3.9	<.1	<.05	4	<.5
10000N 7650E	.3	7.6	3.7	70	<.1	10.1	3.4	209	1.33	1.6	.2	.6	.6	32	.1	.2	.1	31	.20	.042	1	17.2	.22	62	.101	1	1.11	.021	.10	<.1	.01	1.9	<.1	<.05	4	<.5
10000N 7700E	.6	23.7	4.6	64	<.1	22.5	14.8	386	3.88	1.6	.4	.6	1.3	59	.1	.1	.1	105	.44	.044	7	52.5	1.02	88	.154	<1	2.72	.040	.13	<.1	.01	6.9	<.1	<.05	7	<.5
10000N 7750E	.3	28.3	4.1	56	<.1	35.7	12.2	347	3.42	4.4	.5	2.2	1.6	124	.1	.7	.1	98	.68	.049	9	55.5	.93	111	.164	1	2.38	.027	.12	<.1	.02	7.6	<.1	<.05	7	<.5
10000N 7800E	.7	8.4	3.8	76	<.1	9.2	4.0	569	1.48	.8	.1	.5	.6	41	.1	.2	.1	38	.30	.017	2	18.6	.23	81	.117	1	1.11	.024	.07	<.1	.01	2.2	<.1	<.05	3	<.5
10000N 7850E	.4	9.6	2.6	74	<.1	9.1	4.3	278	1.64	.8	.1	.8	.5	36	.1	.1	<.1	36	.29	.041	2	23.5	.28	52	.078	1	1.37	.033	.09	<.1	<.01	3.0	<.1	<.05	4	<.5
10000N 7900E	.5	16.9	4.2	88	<.1	22.0	10.3	663	2.91	1.0	.3	<.5	1.1	63	.1	.1	.1	71	.55	.040	6	33.7	.67	71	.172	2	2.61	.044	.11	<.1	.01	6.7	<.1	<.05	8	<.5
10000N 7950E	.4	27.1	3.8	65	<.1	24.9	12.0	397	3.54	2.6	.4	2.4	1.1	96	.1	.5	.1	94	.86	.062	9	56.1	.96	52	.193	3	2.59	.047	.20	<.1	.02	9.9	<.1	<.05	8	<.5
10000N 8000E	.4	20.1	4.4	67	<.1	25.4	9.2	504	3.08	2.0	.4	1.1	1.4	61	.1	.2	.1	83	.58	.049	8	40.7	.61	73	.157	2	2.03	.032	.20	<.1	.04	7.1	<.1	<.05	6	<.5
STANDARD DS6	11.6	124.4	29.4	143	.3	24.9	10.9	706	2.84	21.2	6.6	49.9	3.0	40	6.1	3.5	5.0	56	.85	.078	14	187.4	.58	163	.080	18	1.91	.073	.15	3.5	.23	3.3	1.8	<.05	6	4.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT MRT05-3 File # A505713 Page 1

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: Ed Balon

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
9800N 6000E	.4	10.8	3.2	37	<.1	13.6	5.6	274	1.94	<.5	.3	5.0	.7	51	.1	<.1	.1	51	.26	.028	2	29.8	.22	109	.152	1	1.42	.040	.11	<.1	<.01	2.2	<.1	<.05	4	<.5
9800N 6050E	.4	22.9	4.3	55	<.1	27.2	10.5	482	3.04	1.0	.5	2.2	1.4	94	.1	.2	.1	91	.47	.025	11	47.8	.48	130	.194	1	1.83	.042	.11	<.1	.02	6.3	<.1	<.05	5	<.5
9800N 6100E	.5	14.8	3.7	42	<.1	13.6	7.0	398	2.46	.7	.3	.8	.8	76	.1	.1	.1	74	.45	.026	4	31.1	.30	104	.161	1	1.31	.035	.08	<.1	.01	4.0	<.1	<.05	4	<.5
9800N 6150E	.5	20.5	3.3	83	<.1	24.3	8.2	426	2.86	.9	.4	1.5	1.2	75	.1	.1	.1	79	.50	.045	8	39.5	.54	106	.185	1	1.96	.033	.16	<.1	.01	5.4	<.1	<.05	6	<.5
9800N 6200E	.6	35.5	2.9	75	.1	50.6	16.9	790	3.76	1.1	.4	1.2	.9	193	.1	.1	.1	93	1.21	.085	14	47.9	1.57	108	.198	2	3.81	.038	.16	<.1	.01	9.6	<.1	<.05	11	<.5
9800N 6250E	1.1	13.9	3.3	84	.1	17.2	6.3	931	1.69	1.0	.2	<.5	.6	67	.1	.1	.1	39	.50	.074	4	22.9	.37	104	.121	2	1.64	.023	.12	<.1	.02	3.5	<.1	<.05	5	<.5
9800N 6300E	.4	10.5	3.3	50	<.1	11.8	4.5	290	1.75	.6	.3	2.1	.6	48	<.1	.1	.1	49	.30	.040	3	23.6	.25	91	.145	1	1.27	.029	.10	<.1	.01	2.5	<.1	<.05	4	<.5
9800N 6350E	.4	14.6	3.7	69	<.1	15.9	6.5	381	2.19	.7	.3	1.5	.8	56	.1	.1	.1	63	.35	.037	3	31.8	.33	113	.162	1	1.37	.036	.13	<.1	.01	3.3	<.1	<.05	4	<.5
9800N 6400E	.3	11.4	3.6	63	<.1	14.6	6.6	489	2.04	.5	.2	.9	.8	45	<.1	.1	<.1	61	.35	.020	4	32.6	.33	85	.155	1	1.08	.037	.12	<.1	.01	3.2	<.1	<.05	3	<.5
9800N 6450E	.5	16.9	4.3	59	<.1	20.8	8.6	413	2.69	1.3	.4	1.1	1.1	82	.1	.2	.1	84	.60	.052	6	35.3	.48	128	.200	2	1.77	.035	.12	<.1	.01	4.8	<.1	<.05	5	<.5
RE 9800N 6450E	.4	17.2	4.5	60	<.1	21.1	8.5	432	2.80	1.4	.4	.7	1.1	86	.1	.2	.1	86	.65	.054	6	36.6	.50	130	.209	2	1.83	.037	.13	<.1	.02	5.0	<.1	<.05	6	<.5
9800N 6500E	.2	14.9	4.6	50	.1	12.6	6.5	352	1.88	.5	.2	.5	.9	41	<.1	.1	.1	50	.32	.033	7	27.8	.29	73	.142	<1	1.71	.038	.09	<.1	.01	3.7	<.1	<.05	5	<.5
9800N 6550E	.3	17.1	4.4	80	<.1	17.2	8.4	413	2.61	.7	.4	1.8	1.2	54	.1	.1	.1	66	.47	.093	5	35.1	.51	151	.167	2	2.02	.031	.14	<.1	.01	4.6	<.1	<.05	6	<.5
9800N 6600E	.2	10.9	4.2	57	<.1	9.9	5.8	318	1.72	.5	.4	<.5	.9	49	.1	<.1	.1	40	.41	.024	11	23.6	.28	117	.114	<1	1.36	.047	.08	<.1	.01	3.8	<.1	<.05	4	<.5
9800N 6650E	.4	22.7	6.0	57	<.1	29.7	10.0	414	2.83	.6	.4	.6	1.8	92	.1	.1	.1	75	.51	.040	6	56.3	.44	160	.178	<1	2.03	.039	.16	<.1	.01	6.9	<.1	<.05	6	<.5
9800N 6700E	.4	11.1	3.7	51	<.1	12.3	5.0	343	1.96	.7	.3	<.5	.8	38	.1	.1	.1	59	.27	.029	3	27.5	.27	123	.163	1	1.31	.025	.08	<.1	.01	3.0	<.1	<.05	4	<.5
9800N 6750E	.4	25.2	4.1	75	<.1	73.0	21.4	806	3.68	<.5	.5	1.0	1.7	59	.1	<.1	<.1	81	.71	.125	16	57.8	1.55	103	.175	<1	2.04	.060	.09	<.1	.01	7.8	<.1	<.05	6	<.5
9800N 6800E	.5	20.8	4.5	93	.1	62.0	19.0	685	4.01	.5	.7	1.2	1.6	49	.1	<.1	.1	87	.52	.058	12	75.3	1.10	122	.180	<1	2.55	.044	.14	<.1	.01	11.2	<.1	<.05	7	<.5
9800N 6850E	.4	20.0	4.8	89	<.1	49.5	18.8	704	3.43	.6	.6	.8	1.6	61	.1	.1	.1	79	.51	.051	16	57.6	.69	170	.171	1	2.44	.040	.14	<.1	.02	8.5	<.1	<.05	7	<.5
9800N 6900E	.4	11.2	3.7	77	<.1	25.7	9.0	369	2.53	<.5	.5	<.5	1.2	39	<.1	<.1	.1	68	.30	.027	6	46.6	.39	107	.176	1	1.28	.042	.10	<.1	<.01	5.3	<.1	<.05	4	<.5
9800N 6950E	.5	21.7	3.8	98	.1	35.2	12.4	733	2.57	.9	.5	<.5	1.0	59	.1	<.1	.1	54	.55	.064	9	42.2	.54	195	.115	3	1.57	.028	.18	<.1	.01	6.5	<.1	<.05	5	<.5
9800N 7000E	.5	34.0	3.8	86	.1	60.6	17.7	569	3.58	3.0	.6	<.5	1.5	79	.2	3.0	.1	77	.81	.085	17	70.2	.52	242	.075	4	1.99	.041	.16	<.1	.04	11.2	<.1	<.05	5	<.5
9800N 7050E	.4	31.6	3.2	107	<.1	31.5	19.9	934	4.38	1.2	.4	.6	1.0	106	.1	.1	.1	124	.91	.069	12	58.7	1.53	111	.081	2	3.42	.096	.15	<.1	.03	12.6	<.1	<.05	9	<.5
9800N 7100E	.3	17.3	3.7	67	<.1	19.8	8.2	418	2.73	1.3	.4	.5	1.0	62	.1	.2	.1	85	.50	.031	6	37.9	.47	80	.196	3	1.47	.038	.16	<.1	<.01	5.0	<.1	<.05	5	<.5
9800N 7150E	.3	17.4	3.9	52	<.1	23.0	8.9	305	2.91	1.8	.4	.9	1.2	67	.1	.2	.1	89	.49	.033	6	41.9	.55	94	.184	2	1.56	.034	.12	<.1	.01	5.6	<.1	<.05	5	<.5
9800N 7200E	.4	16.0	4.1	70	.1	19.6	8.2	360	2.72	1.9	.3	.9	1.0	76	<.1	.2	.1	77	.42	.044	4	42.0	.46	137	.183	1	2.04	.032	.13	<.1	.01	4.4	<.1	<.05	6	<.5
9800N 7250E	.4	9.1	3.6	55	<.1	11.3	5.1	292	1.88	.8	.2	.5	.6	39	.1	.1	.1	53	.29	.026	3	24.9	.28	97	.143	1	1.37	.025	.07	<.1	<.01	2.6	<.1	<.05	4	<.5
9800N 7300E	.4	12.5	3.9	66	<.1	16.8	7.1	270	2.36	1.2	.3	.8	1.0	47	<.1	.1	.1	64	.34	.037	3	32.5	.40	107	.154	1	1.78	.029	.10	<.1	.01	3.5	<.1	<.05	5	<.5
9800N 7350E	.4	16.2	3.7	68	<.1	19.0	8.9	531	2.50	.7	.3	<.5	1.2	89	.2	.1	.1	59	.50	.046	4	34.0	.47	204	.148	2	1.64	.054	.17	<.1	.02	4.5	<.1	<.05	5	<.5
9800N 7400E	.4	13.3	3.7	60	.1	16.6	6.4	290	2.14	1.2	.3	.7	.8	46	.1	.2	.1	54	.37	.034	3	33.5	.46	81	.134	2	1.56	.029	.12	<.1	.01	3.3	<.1	<.05	5	<.5
9800N 7450E	.3	16.8	3.4	56	.1	19.9	8.1	504	2.45	1.5	.4	.7	1.2	80	.1	.2	.1	64	.55	.035	6	37.8	.54	109	.145	1	1.56	.036	.15	<.1	.02	5.4	<.1	<.05	5	<.5
9800N 7500E	.3	17.3	3.4	44	<.1	20.3	9.9	493	2.52	1.4	.3	1.4	.9	48	<.1	.1	.1	67	.46	.027	6	35.3	.58	93	.113	2	1.28	.033	.17	<.1	<.01	4.3	<.1	<.05	4	<.5
9800N 7550E	.4	20.0	3.7	74	.1	19.4	8.0	841	1.93	1.1	.2	.9	.9	95	.2	.1	<.1	46	.70	.058	6	28.1	.41	161	.103	5	1.36	.036	.23	<.1	.03	3.8	<.1	<.05	4	<.5
9800N 7600E	.4	22.2	3.2	63	.1	27.3	10.9	575	2.82	.8	.4	<.5	1.4	106	.1	<.1	<.1	67	.60	.053	10	43.1	.72	105	.138	2	1.90	.054	.18	<.1	.02	6.4	<.1	<.05	5	<.5
STANDARD OS6	11.6	124.8	29.5	145	.3	25.1	10.9	708	2.86	21.0	6.7	47.0	3.2	40	6.0	3.6	5.0	55	.86	.078	14	187.7	.59	165	.081	17	1.93	.074	.16	3.4	.23	3.3	1.8	<.05	7	4.3

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ____ DATE RECEIVED: AUG 30 2005 DATE REPORT MAILED: Sept 27/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
9800N 7650E	.5	23.3	4.9	81	<.1	16.0	9.6	534	3.20	.8	.4	<.5	1.0	51	.1	.1	.1	115	.39	.027	5	24.5	.46	64	.268	1	1.74	.066	.10	<.1	.01	5.8	<.1	<.05	6	<.5
9800N 7700E	.4	14.6	4.7	55	<.1	10.2	6.2	322	2.33	1.2	.2	.5	1.0	45	.1	.3	.1	63	.33	.029	1	26.2	.35	56	.177	2	1.50	.046	.10	<.1	.01	3.6	<.1	<.05	4	<.5
9800N 7750E	.5	26.3	4.1	79	.1	25.7	14.6	542	3.80	2.3	.5	.5	1.3	60	.1	.2	.1	103	.52	.052	11	50.5	.94	92	.115	2	2.57	.038	.20	<.1	.01	7.2	<.1	<.05	7	<.5
9800N 7800E	.5	28.2	4.3	117	.1	28.4	17.9	1099	4.02	1.7	.3	<.5	.9	64	.1	<.1	.1	110	.55	.215	10	19.1	.87	98	.207	1	3.06	.070	.09	<.1	.01	8.0	<.1	<.05	8	<.5
9800N 7850E	.4	21.4	4.3	70	<.1	24.3	12.7	577	3.25	2.1	.3	.8	1.0	69	.1	.1	.1	83	.64	.070	8	35.1	.87	47	.185	2	2.64	.060	.09	<.1	.01	7.5	<.1	<.05	7	<.5
9800N 7900E	.5	20.9	3.6	64	<.1	21.2	11.4	464	3.24	1.5	.4	1.4	.9	54	.1	.1	<.1	82	.58	.033	9	45.0	.83	56	.136	2	1.95	.038	.17	<.1	.01	7.2	<.1	<.05	6	<.5
9800N 7950E	.5	20.8	3.7	79	<.1	25.0	10.5	576	3.08	2.1	.4	.6	1.2	60	.1	.1	.1	79	.64	.055	9	35.7	.66	81	.163	2	2.04	.042	.18	<.1	.04	7.0	<.1	<.05	6	<.5
9800N 8000E	.4	8.6	3.7	61	.1	12.5	5.1	363	1.85	1.1	.3	2.6	.6	35	<.1	.1	.1	50	.30	.029	3	27.9	.32	79	.152	2	1.21	.025	.09	<.1	.01	2.8	<.1	<.05	4	<.5
9600N 6000E	.3	23.4	3.9	45	.1	34.4	11.9	385	4.01	.8	.5	2.2	1.5	88	.1	.1	.1	72	.80	.031	18	55.1	.63	105	.350	1	1.98	.033	.10	.1	.01	9.0	<.1	<.05	6	<.5
9600N 6050E	.3	13.5	4.0	42	<.1	19.7	8.8	415	3.74	<.5	.3	.7	1.2	47	.1	.1	.1	61	.29	.015	7	42.9	.36	72	.193	1	1.12	.029	.08	<.1	.01	4.8	<.1	.06	4	<.5
9600N 6100E	.3	11.6	3.5	57	<.1	15.3	6.2	341	2.34	.5	.3	2.2	.9	45	<.1	.1	.1	66	.29	.033	4	33.7	.31	104	.166	1	1.61	.026	.10	<.1	<.01	3.6	<.1	<.05	5	<.5
9600N 6150E	.4	12.2	3.1	53	<.1	12.9	5.3	240	2.14	.5	.3	<.5	.7	43	.1	.1	.1	62	.27	.026	3	31.0	.27	87	.162	1	1.40	.029	.11	<.1	<.01	3.1	<.1	<.05	4	<.5
9600N 6200E	.3	13.6	3.9	48	<.1	16.3	6.0	290	2.39	.9	.3	.7	1.1	61	.1	.2	.1	71	.34	.027	4	33.5	.28	110	.198	1	1.56	.038	.13	<.1	<.01	4.0	<.1	<.05	4	<.5
9600N 6250E	.4	21.2	3.7	56	<.1	21.7	9.3	703	2.46	1.1	.4	<.5	1.2	61	.1	.1	.1	71	.52	.051	9	37.7	.42	125	.155	3	1.66	.034	.20	<.1	.01	5.5	<.1	<.05	5	<.5
9600N 6300E	.4	38.5	3.7	51	.1	31.2	12.3	662	2.50	2.4	.8	.7	1.1	158	.2	.1	.1	71	1.19	.055	13	38.1	.75	93	.104	4	1.83	.038	.12	<.1	.04	6.2	<.1	.07	5	.5
9600N 6350E	.3	24.4	3.3	72	<.1	27.3	10.0	528	2.73	1.0	.5	.7	1.3	62	.1	.2	.1	71	.48	.061	9	43.0	.61	102	.139	3	1.72	.032	.17	<.1	.01	6.2	<.1	<.05	5	<.5
9600N 6400E	.7	20.2	3.6	55	<.1	19.8	9.7	615	2.12	1.1	.9	<.5	1.0	66	.1	.1	.1	58	.54	.042	8	32.6	.48	118	.122	2	1.61	.030	.18	<.1	.02	4.8	<.1	<.05	4	<.5
9600N 6450E	.3	37.1	3.5	46	.1	49.0	13.5	385	3.66	1.8	.8	2.1	2.0	103	.1	.2	<.1	96	.70	.068	16	68.4	1.09	123	.171	2	3.28	.047	.15	<.1	.03	12.7	<.1	<.05	8	<.5
9600N 6500E	.5	13.3	4.1	76	<.1	22.5	9.1	744	2.22	<.5	.3	<.5	1.1	31	<.1	.1	<.1	62	.29	.024	4	35.2	.54	69	.209	1	1.10	.047	.13	<.1	<.01	4.8	<.1	<.05	3	<.5
9600N 6550E	.2	13.5	3.8	65	<.1	22.9	11.1	395	2.76	<.5	.4	<.5	1.2	42	.1	.1	.1	56	.38	.039	5	44.8	.90	117	.138	1	2.00	.045	.13	<.1	.01	5.7	<.1	<.05	5	<.5
9600N 6600E	.3	18.1	3.5	75	<.1	27.3	10.7	486	2.95	.7	.5	<.5	1.3	59	.1	.1	.1	74	.51	.037	10	49.3	.78	97	.165	2	1.94	.035	.10	<.1	.02	7.8	<.1	<.05	6	<.5
9600N 6650E	.4	22.4	4.5	72	.1	53.6	19.6	788	3.52	.6	.7	.5	1.9	66	.1	<.1	.1	83	.66	.030	13	53.0	1.29	111	.220	1	1.99	.046	.12	<.1	.01	10.1	<.1	<.05	6	<.5
9600N 6700E	.5	22.4	4.8	73	.1	33.0	11.2	510	2.78	1.1	.4	.9	1.4	64	.1	.1	.1	73	.53	.066	9	48.8	.67	128	.180	2	2.08	.038	.15	<.1	.02	6.4	<.1	<.05	6	<.5
9600N 6750E	.5	15.0	4.8	105	<.1	20.0	6.7	665	2.15	1.1	.3	.7	.9	47	.1	.1	.1	60	.35	.048	3	33.8	.37	148	.167	2	1.88	.029	.15	<.1	<.01	3.4	<.1	<.05	6	<.5
RE 9600N 6750E	.6	15.5	4.6	110	<.1	21.0	7.1	684	2.20	1.3	.3	<.5	.9	48	.1	.2	.1	61	.35	.047	3	33.8	.37	148	.168	2	1.88	.028	.15	<.1	.01	3.4	<.1	<.05	6	<.5
9600N 6800E	.4	38.7	3.7	50	.1	89.4	20.8	687	3.25	1.2	1.4	.8	1.2	147	.1	.1	<.1	95	1.48	.056	18	60.0	1.21	206	.073	4	1.98	.038	.12	<.1	.04	9.5	.1	.06	5	.6
9600N 6850E	.4	30.3	3.7	47	.1	56.9	15.9	657	2.87	1.5	1.4	<.5	1.2	118	.2	.1	.1	72	1.18	.046	15	55.9	.87	164	.080	5	2.01	.032	.15	<.1	.03	8.3	<.1	<.05	6	.8
9600N 6900E	.4	26.9	5.5	106	.1	78.5	19.5	760	4.02	<.5	.5	<.5	2.1	79	.1	.1	.1	94	.88	.069	19	67.1	.88	143	.041	5	4.09	.018	.27	<.1	.02	11.9	.1	<.05	11	<.5
9600N 6950E	.6	16.6	3.6	65	.1	39.8	12.9	443	3.18	.7	.5	<.5	1.3	54	<.1	.5	<.1	92	.52	.033	13	59.8	.56	78	.109	2	1.89	.047	.11	<.1	.01	7.6	<.1	<.05	5	<.5
9600N 7000E	.6	27.5	2.5	45	<.1	67.0	16.7	434	3.87	<.5	.4	<.5	1.4	67	<.1	.3	.1	95	.66	.026	17	83.4	1.03	58	.108	2	2.02	.073	.13	<.1	.01	11.0	.1	<.05	5	<.5
9600N 7050E	.6	17.1	2.8	80	<.1	22.1	8.9	861	2.50	.7	.2	.5	.7	50	.1	<.1	.1	63	.42	.056	4	44.1	.53	127	.090	1	1.50	.034	.14	<.1	.01	4.4	<.1	<.05	4	<.5
9600N 7100E	.5	8.9	2.9	44	<.1	12.5	6.4	409	2.06	.6	.1	<.5	.6	39	<.1	.1	.1	56	.36	.023	2	33.7	.33	69	.104	1	1.26	.022	.10	<.1	.01	2.9	<.1	<.05	4	<.5
9600N 7150E	.4	15.5	4.0	50	<.1	21.4	8.0	238	2.87	1.6	.4	<.5	1.2	63	.1	.2	.1	89	.42	.043	7	43.7	.46	101	.190	1	1.72	.025	.16	<.1	.02	5.1	<.1	<.05	5	<.5
9600N 7200E	.4	10.4	2.9	80	<.1	23.2	6.4	476	2.16	.7	.2	1.5	.7	30	<.1	.1	.1	66	.24	.025	3	79.7	.34	76	.134	1	1.43	.031	.10	<.1	.01	3.2	<.1	<.05	4	<.5
STANDARD DS6	11.5	124.8	29.1	144	.3	24.9	10.8	709	2.86	20.9	6.6	46.8	3.1	39	6.0	3.6	5.0	55	.85	.078	13	186.7	.58	163	.080	16	1.92	.074	.15	3.6	.23	3.3	1.8	<.05	6	4.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
9600N 7250E	.4	8.6	3.5	61	<.1	9.8	5.0	336	1.75	1.1	.2	3.6	.7	32	.1	.1	.1	51	.28	.023	2	21.2	.27	76	.124	1	.96	.021	.10	<.1	.02	2.2	<.1	<.05	3	<.5
9600N 7300E	.4	10.0	3.3	60	<.1	11.2	5.5	344	1.99	1.2	.2	1.3	.6	32	.1	.1	.1	58	.25	.027	3	23.7	.32	85	.125	1	1.02	.021	.11	<.1	.01	2.5	<.1	<.05	3	<.5
9600N 7350E	.3	8.5	3.0	58	<.1	9.4	4.8	280	1.77	1.2	.2	.7	.5	29	<.1	.1	.1	51	.23	.030	2	22.1	.27	84	.120	<1	.96	.022	.13	<.1	.01	2.2	<.1	<.05	3	<.5
9600N 7400E	.4	13.1	3.3	51	.1	15.2	7.3	435	2.26	1.7	.2	2.1	1.1	41	.1	.1	.1	60	.41	.027	4	28.6	.44	78	.108	2	1.04	.023	.16	<.1	.02	3.4	<.1	<.05	4	<.5
9600N 7450E	.4	12.0	3.7	87	<.1	10.8	3.6	433	1.70	.8	.2	1.0	.7	22	<.1	.1	<.1	46	.20	.020	2	26.2	.23	69	.140	1	.79	.031	.11	<.1	.01	2.5	<.1	<.05	3	<.5
9600N 7500E	.3	13.5	3.3	49	<.1	13.5	5.9	230	2.13	.6	.2	.9	1.0	52	.1	.1	<.1	62	.32	.021	4	32.2	.31	77	.147	1	1.12	.041	.14	<.1	.01	3.7	<.1	<.05	3	<.5
9600N 7550E	.4	13.5	2.8	59	.1	11.0	4.1	228	1.67	.8	.2	.9	.8	49	.1	.1	<.1	40	.28	.048	3	22.9	.26	93	.108	1	1.15	.031	.16	<.1	.01	3.1	<.1	<.05	3	<.5
9600N 7600E	.6	27.5	6.0	159	<.1	31.5	15.5	2038	3.72	1.7	.4	1.0	1.2	62	.2	<.1	.1	107	.48	.070	8	29.8	.50	251	.238	2	2.75	.047	.17	<.1	.02	7.2	.1	<.05	7	<.5
9600N 7650E	.5	23.2	3.8	84	<.1	24.0	14.4	626	3.76	2.0	.4	<.5	1.3	64	<.1	<.1	<.1	101	.60	.060	10	51.8	.92	95	.154	2	2.64	.046	.17	<.1	.01	8.0	<.1	<.05	7	<.5
9600N 7700E	.4	19.4	4.9	66	<.1	16.4	10.5	381	3.14	1.7	.4	1.2	1.3	56	.1	.1	.1	94	.44	.026	6	42.8	.57	69	.201	1	1.84	.053	.14	<.1	.01	5.3	<.1	<.05	5	<.5
9600N 7750E	.4	13.0	4.5	66	<.1	17.4	7.7	448	2.85	1.2	.3	.6	1.2	59	<.1	.3	.1	85	.42	.019	6	33.4	.44	73	.163	1	1.78	.039	.08	<.1	.01	5.3	<.1	<.05	5	<.5
9600N 7800E	.3	8.5	3.3	68	<.1	10.4	4.2	168	1.80	1.0	.2	1.0	.5	35	.1	.1	.1	47	.29	.031	2	20.8	.27	50	.120	1	1.46	.026	.09	<.1	.01	2.6	<.1	<.05	4	<.5
9600N 7850E	.4	37.5	4.0	71	<.1	28.1	14.3	441	3.61	1.8	.5	1.8	1.4	83	.1	.2	.1	92	.64	.053	10	38.6	.85	86	.135	1	2.42	.055	.18	<.1	.02	8.5	<.1	<.05	7	<.5
9600N 7900E	.4	16.6	3.5	47	.1	21.9	8.4	222	2.63	1.7	.3	7.8	.9	55	.1	.2	.1	77	.38	.031	4	41.1	.55	80	.168	<1	1.53	.025	.09	<.1	.01	4.5	<.1	<.05	5	<.5
RE 9600N 7900E	.4	16.5	3.6	47	<.1	21.0	8.4	219	2.60	1.6	.3	2.2	1.0	55	<.1	.2	.1	78	.38	.031	4	41.3	.54	79	.170	1	1.54	.023	.09	<.1	.01	4.4	<.1	<.05	4	<.5
9600N 7950E	.5	12.1	3.1	58	<.1	14.3	6.5	425	1.97	1.3	.2	2.2	.7	42	<.1	.1	.1	52	.39	.024	4	29.8	.37	88	.130	2	1.12	.021	.09	<.1	.01	3.5	<.1	<.05	4	<.5
9600N 8000E	.6	12.4	3.2	80	.1	13.9	5.8	395	1.94	.9	.2	.9	.7	41	.1	.1	<.1	53	.38	.032	4	30.7	.35	75	.144	2	1.12	.022	.15	<.1	.01	3.4	<.1	<.05	4	<.5
STANDARD DS6	11.7	125.5	29.1	145	.3	25.5	11.0	712	2.88	21.3	6.7	47.5	3.1	40	6.1	3.6	5.1	56	.86	.079	14	189.0	.59	166	.081	19	1.92	.073	.15	3.6	.24	3.3	1.8	<.05	6	4.6

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

Almaden Minerals Ltd.

CLAIM BOUNDARY

James Creek Ranch

PLATE 4B

Trenches SRT05-1,2,3,5
Best QV + altd hostrock Sample Results:
14.94 g/t Au/0.6m
7.24 g/t Au/AVG over 1.8m
4,279ppb Au/AVG over 2.5m

FIGURE 7A

Trenches WZT04-1,2
1.0 - 1.5m wide QV
Best Sample Result :
221 ppbAu/0.8m

FIGURE7B

Trench WZT04-3
0.6 - 1.0m wide QV
Best Sample Results:
312ppb Au/0.9m
354ppb Au/0.8m

WEST ZONE

SULLIVAN RIDGE ZONE

FIGURE 6D

Trench SRT05-4
0.2 - 0.35m wide QV
Best Sample Result:
407ppb Au & 74.8ppm Ag/0.27m

EL GORDO STRUCTURE & ALTERATION TREND (2.7km @ ~021 az)

Projection - inferred from DEM hillshade image

Forestry Road

RGS Site
92I811072
Au-7ppb

Canamex Farms

DISCOVERY HILL

RGS Site
92I811070
Au - 7ppb

SPIUS - WEST FAULT

Roberts Creek

635000E 636000E 637000E 638000E

5560000N 5555000N 5550000N 5545000N 5540000N 5535000N 5530000N 5525000N 5520000N 5515000N 5510000N 5505000N

LEGEND

- Creek
- Forestry Access Road, Trail
- UTM Grid
- Au-in-soil 8ppb Contour
- As-in-soil 3ppm Contour
- Sb-in-soil 0.4ppm Contour

RECON ROCK SAMPLE GOLD VALUES :

Symbol	>=	<	(number of samples in range)
◇	100 ppb		(18)
◇	> 300 ppb		(73)

(up to 7,916 ppb)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Compilation Map

1:15,000

0 500 1000m

Drawn by JM
Dec 2005

PLATE 1

Almaden Minerals Ltd.

CLAIM BOUNDARY

James Creek Ranch

N
T

UTM
NORTH
1.35 °

Merritt 22km --->

Roberts Creek

Prospect Creek Forestry Road

Richardson

Canamex Farms

CLAIM BOUNDARY

CLAIM BOUNDARY

635000 636000 637000 638000 639000

5556000N 5555000N 5554000N 5553000N 5552000N 5551000N 5550000N

15000N 14000N 13000N 12000N 11000N 10000N 9600N

6000E 7000E 8000E

LEGEND

Creeks

Forestry Access Roads, Trails

UTM Grid

Symbol >= < (number of samples in range)

- 0 to 25 ppb (749)
- 25 to 35 ppb (194)
- 35 to 50 ppb (78)
- > 50 ppb (56)

1077

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NTS 92I/3E NAD83 zone 10 Grid

Main Grid
MERCURY
Soil Geochemistry

1:15,000

0 500 1,000

Drawn by JM
Dec, 2005

PLATE 5D

Almaden Minerals Ltd.

CLAIM BOUNDARY

James Creek Ranch

Roberts Creek

Richardson

Canamex Farms

Merritt 22km →

Prospect Creek Forestry Road

UTM NORTH 1.35°

635000 636000 637000 638000 639000

5556000N 5555000N 5554000N 5553000N 5552000N 5551000N 5550000N

6000E 7000E 8000E 9000E

15000N 14000N 13000N 12000N 11000N 10000N 9600N

LEGEND

Creeks

Forestry Access Roads, Trails

UTM Grid

Symbol	>=	<	(number of samples in range)
△	0.0	0.2 ppm	(448)
△	0.2	0.4 ppm	(482)
△	0.4	0.6 ppm	(85)
△	> 0.6 ppm		(62)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Main Grid
ANTIMONY
Soil Geochemistry

1:15,000

0 500 1,000

Drawn by JM
Dec, 2005

PLATE 5C

Almaden Minerals Ltd.

James Creek Ranch

CLAIM BOUNDARY

Roberts Creek

Richardson Creek

Prospect Creek Forestry Road

Merritt 22km →

Canamex Farms

UTM NORTH 1.35°

635000

636000

637000

638000

639000

5556000N

5555000N

5554000N

5553000N

5552000N

5551000N

5550000N

15000N

14000N

13000N

12000N

11000N

10000N

9600N

6000E

7000E

8000E

9000E

LEGEND

Creeks

Forestry Access Roads, Trails

UTM Grid

Symbol	>=	<	(number of samples in range)
◇	0.0	2.0 ppm	(615)
◇	2.0	3.0 ppm	(225)
✣	3.0	6.0 ppm	(182)
✣	> 6.0 ppm		(55)

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MERIT PROPERTY

Nicola Mining Division, B.C.

NTS 92I/3E NAD83 zone 10 Grid

Main Grid
ARSENIC
Soil Geochemistry

1:15,000

0 500 1,000

Drawn by JM

Dec, 2005

PLATE 5B

Almaden Minerals Ltd.

James Creek Ranch

CLAIM BOUNDARY

Anomaly A

West Zone

Anomaly B

Sullivan Ridge Anomaly

Area of Sullivan Ridge Grid

Discovery Hill

Anomaly C

Merritt 22km

Prospect Creek Forestry Road

Canamex Farms

Richardson

Roberts Creek

UTM NORTH 1.35°

635000 636000 637000 638000 639000

5556000N 5555000N 5554000N 5553000N 5552000N 5551000N 5550000N

6000E 7000E 8000E

15000N 14000N 13000N 12000N 11000N 10000N 9600N

635000E 636000E 637000E 638000E

CLAIM BOUNDARY

LEGEND

Creeks

Forestry Access Roads, Trails

UTM Grid

Symbol	>=	<	(number of samples in range)
◇	0.0	1.0 ppb	(581)
◇	1.0	2.2 ppb	(299)
◇	2.2	8.0 ppb	(142)
◇	> 8.0 ppb		(55)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Main Grid
GOLD
Soil Geochemistry

1:15,000

0 500 1,000

Drawn by JM
Dec. 2005

PLATE 5A

LEGEND

ROCK TYPES

QV - Quartz Vein
AV - Andesitic Volcanic
VV - Vesicular Volcanic
PV - Porphyritic Volcanic
VB - Volcanic Breccia
XXa - Altered
BX - Breccia

MINERALOGY

QZ - Quartz
PY - Pyrite

ALTERATION

SI - Silica
AK - Ankerite
FeO - Hematite +/- limonite

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)
SRT05-3 - Trench number (Trench details shown on Figures 6A to 6E)

SYMBOLS

- Fault, shear, existence uncertain
- Fault, shear
- 85° Contact strike & dip
- 85° Jointing strike & dip
- 85° Fracture strike & dip
- Geological contact - mapped
- Geological contact - inferred
- Float boundary
- Scree boundary
- Quartz Zone
- SI/AK boundary
- AVa boundary
- X R276 (5180, 6.71) Grab sample location w/ number and Gold value (ppb, gm/t)
- X Float location
- • JH-40 Geological observation location & number

ANALYTICAL NOTES

Initial analysis by ICP-MS, on 30gm subsample. Fire assay on 29.2gm (1AT) subsample for samples that returned › 1000 ppb by ICP-MS.
Gold values rounded to nearest 1 ppb. Sample length is horizontal distance.

Almaden Minerals Ltd.

637800E
637900E
637700E
5554400N
5554300N
5554200N

TN
UTM NORTH 1.35°

950
975
975
950

R283 X (724)
JH-44 X AV
JH-4a
JH-3
R271 (25) X QZ
SI/AK
R272 (1010, 1.37) X QZ
R273 (496) X VB
JH-4
R274 (630) X QV
SI/AK
JH-43 X R277 (32)
JH-42 SI/AK
R275 (1196, 1.47) X
SI/AK w/ QZ fragments
QZ
QV R276 (5180, 6.71) X
SRT05-5 (Figure 6E)
(R322-R325)

JH-38 AV
JH-39 VV
X R326 (841)
VBa, SI
JH-41
SI/AK
PVa, SI/AK
JH-40
JH-45
SRT05-1 (Figure 6A) (R256-R260)
QZ
R216 X (151)
AV
VV
JH-33
QZ
SRT05-2 (Figure 6B) (R261-R270)
JH-2
JH-5 SI/AK
R217 (718) X
JH-1
SRT05-3 (Figure 6C) (R286-R291)
QZ
X R218 (1721)
X R219 (31)
VV
AVa
R284 (69) X
VB, SI/AK
JH-16
AVa + VB
JH-11
VB + QV (SI/AK)
VBa, SI
SI/AK
JH-10
AVa, (SI/AK)
JH-17
SI/AK
X R285 (6)
SI/AK
JH-48
JH-49
JH-32
VV, QV
JH-49a
QZ X
SI/AK
R280 (15)

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SULLIVAN RIDGE ZONE
Detailed Geology & Rock Sample Locations

0 40
Meters

Drawn by JH
NOV. 2005

Plate 4B

GEOLOGICAL SURVEY BRANCH
28,025

Almaden Minerals Ltd.

637600 mE

637800 mE

638000 mE

TN

UTM NORTH 1.35°

5554400 mN

5554200 mN

5554000 mN

5553800 mN

BOUNDARY OF PLATE 4B

SRT05-5 (R322-R325)

SRT05-1 (R256-R260)

SRT05-2 (R261-R268)

SRT05-3 (R286-R291)

SRT05-4 (R221, R292)

Scattered O/C and S/C of vesicular andesite

Clearing

Trail

LEGEND

ROCK TYPES

QV - Quartz Vein
AV - Andesitic Volcanic
VV - Vesicular Volcanic
PV - Porphyritic Volcanic
VB - Volcanic Breccia
XXa - Altered
BX - Breccia

MINERALOGY

QZ - Quartz
PY - Pyrite

ALTERATION

Sl - Silica
AK - Ankerite
FeO - Hematite +/- limonite

SAMPLES

Rxxx - Rock Sample Number (MC- omitted)
Sxxx - Soil Sample Number (MC- omitted)
SRT05-3 - Trench number

SYMBOLS

Fault, shear, existence uncertain
Fault, shear
85° Contact strike & dip
85° Jointing strike & dip
85° Fracture strike & dip
Geological contact - observed
Geological contact - inferred
Outcrop boundary
Subcrop boundary
Scree boundary
Float boundary
Quartz Zone
River, stream
Sl/AK boundary
AVa boundary
• JH-40 Geological observation location & number
x Float boundary location
x Rock grab sample location
+ Recon soil sample location
Soil grid sample location

ANALYTICAL NOTES

Analyses by ICP-MS, on 30gm subsample.
Gold values rounded to nearest 1ppb.

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MERIT PROPERTY

Nicola Mining Division, B.C.
NTS 92I/3E - NAD83 UTM Grid

SULLIVAN RIDGE
Geology & Rock Sample Locations

0 50 Meters

1:1500

Drawn by JH
DEC. 2005

Plate 4A

5557000N

635000E

636000E

637000E

638000E

639000E

5556000N

5555000N

5554000N

5553000N

5552000N

5551000N

5550000N

Edgar Creek

James Creek Ranch

CLAIM BOUNDARY

WEST ZONE

SULLIVAN RIDGE

DISCOVERY HILL

James Creek

Roberts Creek

Richardson Creek

August Creek

Spius Creek

Prospect Creek Forestry Road

Merritt 22km →

Canamex Farms

UTM NORTH 1.35 °

10
-0.5
1.9
4.8
48.2
10.9
3.2
2.4
7.5
1,811.5
24.9
1,010.1
496.3
1,195.5
31.5
630.4
5,180.4
151.2
718
1,721.1
31
69
6.1
15.3
31.2
13.3
0.9
219.3
1,452.7
724.5
841.2
191.8
5.7
3
888.6
67.9
1,330.6
880.6
14
27.2
121.9
6
267.1
717.6
802.9
85.6
653.8
883.8
344.4
244.4
4
243.4
1,190.7
356.7
970.2
343
-0.5
16.1
13.3
88.8
29.9
25.2
225
253.5
439.8
275.1
2.1
308.9
956.2
525.1
439.2
1.3
18.2
16.1
9.9
5.5
1,014.5
1,509.4
7,916.4
3,322.7
482.1
501.1
389.1
1,075
18.4
59.2
37.8
1.1
435
802.8
10.1
1,280.6
2,778.3
9.7
984.6
43.9
339.6
743.8
19.3
40.6
71.7
498.7
410.1
574.3
2,148.8
309.3
390.8
1,758.9
789.3
63
2,092.9
311
3,073.4
17.3
74.4

LEGEND

Creek

Forestry Access Road, Trail

UTM Grid

Symbol >= < (number of samples in range)

0 to 30 ppb Au (36)

30 to 100 ppb Au (15)

100 to 300 ppb Au (10)

> 300 ppb Au (54)

ALMADEN MINERALS LTD.

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MERIT PROPERTY

Nicola Mining Division, B.C.

NTS 92I/3E NAD83 zone 10 Grid

Reconnaissance Rock Sample Gold Results

1:15,000

0 500 1000m

Drawn by JM

Dec 2005

PLATE 3B

Almaden Minerals Ltd.

5557000N
5556000N
5555000N
5554000N
5553000N
5552000N
5551000N
5550000N

635000E
636000E
637000E
638000E
639000E

MC-R79
MC-R199
MC-R132
CLAIM BOUNDARY
MC-R246
MC-R247
MC-R180
MC-R72
MC-R136
MC-R226
MC-R133
MC-R271
MC-R272
MC-R273
MC-R275
MC-R283
MC-R326
MC-R277
MC-R274
MC-R276
MC-R216
MC-R217
MC-R218
MC-R219
MC-R284
MC-R285
MC-R280
MC-R278
MC-R279
MC-R282
MC-R293
MC-R225
MC-R134
WEST ZONE
MC-R243
MC-R248
MC-R230
MC-R250
MC-R249
MC-R252
MC-R242
MC-R251
MC-R171
MC-R255
MC-R175
MC-R244
MC-R174
MC-R173
MC-R220
MC-R281
MC-R135
MC-R172
SULLIVAN RIDGE
MC-R182
MC-R245
MC-R170
MC-R169
MC-R181
MC-R168
DISCOVERY HILL
MC-R215
MC-R164
MC-R227
MC-R214
MC-R213
MC-R212
MC-R177
MC-R178
MC-R228
MC-R229
MC-R179
MC-R153
MC-R176
MC-R152
MC-R151
MC-R211
MC-R185
MC-R159
MC-R150
MC-R156
MC-R299
MC-R300
MC-R183
MC-R141
MC-R158
MC-R157
MC-R149
MC-R140
MC-R155
MC-R184
MC-R139
MC-R75
MC-R154
MC-R142
MC-R138
MC-R166
MC-R167
MC-R148
MC-R147
MC-R144
MC-R143
MC-R162
MC-R163
MC-R146
MC-R145
MC-R200
MC-R201
MC-R203
MC-R202
MC-R204
MC-R160
MC-R161
MC-R205
MC-R206
MC-R207
MC-R209
MC-R210
MC-R208
MC-R165

James Creek
Roberts Creek
Edgar Creek
Richardson
Canamex Farms
Prospect Creek Forestry Road
Merritt 22km
Spius Creek
August Creek
CLAIM BOUNDARY

N
UTM NORTH 1.35°

LEGEND

MC-R200 Reconnaissance Rock Sample Location and Number
Creek
Forestry Access Road, Trail
UTM Grid

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Reconnaissance Rock Sample Locations

1:15,000

0 500 1000m

Drawn by JM
Dec 2005

PLATE 3A

Almaden Minerals Ltd.

5557000N
5556000N
5555000N
5554000N
5553000N
5552000N
5551000N
5550000N

635000E
636000E
637000E
638000E
639000E

CLAIM BOUNDARY
James Creek Ranch
WEST ZONE
SULLIVAN RIDGE
DISCOVERY HILL
Canamex Farms
Richardson
Edgar Creek
James Creek
Roberts Creek
Prospect Creek Forestry Road
Merritt 22km
Spius Creek
August Creek
Creek

-0.5
1
-0.5
-0.5
0.5
1
-0.5
-0.5
-0.5
0.5
1.1
1.3
2.7
0.7
0.5
1.3
1
1
0.9
13.6
2.2
1.4
1.1
2.3
4.2
1.2
3.4
-0.5
0.9
1
203.2
0.7
1.6
10.3
0.9
67.2
3
1
-0.5
0.7
1.6
10.1
4.8
2.8
2.1
780.8
0.9
0.8
1.9
5
0.8
0.9
106.4
2.3
-0.5
3.1
3.3
1.2
0.6
4.5
17.1
3.2
17.5
9.8
4.2
3.4
0.7
1.2
-0.5
1.4
1.8
-0.5
1.1
1.7
11.8
3.6
3.6
0.8
0.5
5.3
2.1
-0.5
1.2
1.2
1.5
-0.5
0.6
-0.5

N
T
UTM NORTH 1.35 °

LEGEND

Creek
Forestry Access Road, Trail
UTM Grid

Symbol >= <

Gold Values in Soil
- 0.0 to 1.0 ppb
- 1.0 to 2.2 ppb
- 2.2 to 7.9 ppb
- > 7.9 ppb

Gold Values in Stream Sediment
- 0.0 to 2.0 ppb
- 2.0 to 7.0 ppb
- 7.0 to 10.0 ppb
- > 10.0 ppb

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NTS 92I/3E NAD83 zone 10 Grid

Reconnaissance Stream Sediment and Soil Sample Gold Results

1:15,000

0 500 1000m

Drawn by JM
Dec 2005

PLATE 2B

Almaden Minerals Ltd.

MC-S65
MC-S66
MC-S64
MC-S63
MC-S62
MC-S61
MC-S60
MC-S59
MC-S57
MC-S58
MC-S56
MC-S55
MC-S54
MC-154
MC-153
MC-152
MC128-2
MC128-1
MC128-3
MC-128
MC-128S
MC-S48
MC-127
MC-127S
MC-267
MC-S49
MC-248
MC-238
MC-266
MC-247
MC-237
MC-241
MC-236
MC-246
MC243-1
MC-243
MC-245
MC-244
MC-242
MC-240
MC-239
MC-126
MC-S89
MC-S90
MC126-3
MC-S126
MC-S125
MC126-6
MC126-2
MC126-1
MC126-5
MC126-4
MC-S127
MC-S120
MC-S121
MC-S95
MC-S122
MC-137
MC-136S
MC-136
Richardson
MC-S124
MC-S115
MC-S116
MC-S114
MC-S113
MC-S112
MC-S111
MC-S110
MC-S123
MC-S96
MC-260
MC-259
MC-261
MC-265
MC-269
MC-268
MC-263
MC-262
MC-264
MC-138
MC-138S
MC-S93
MC-140
MC-139
MC-257
MC-256
MC-258
MC-S94

James Creek Ranch
WEST ZONE
SULLIVAN RIDGE
DISCOVERY HILL
Canamex Farms
CLAIM BOUNDARY
Edgar Creek
James Creek
Roberts Creek
Creek
Spius Creek
August Creek
Prospect Creek Forestry Road
Merritt 22km

5557000N
5556000N
5555000N
5554000N
5553000N
5552000N
5551000N
5550000N
635000E
636000E
637000E
638000E
639000E

N
UTM NORTH 1.35°

LEGEND

+ MC-127	Stream Sediment Sample Location and Number (-80 mesh fraction analyzed)
+ MC-127S	Second Silt Sample at Same Site, Sieved for -230 mesh fraction
+ MC-S93	Reconnaissance Soil Sample Location and Number
	Creek
	Forestry Access Road, Trail
	UTM Grid

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Reconnaissance Stream Sediment and Soil Sample Locations

1:15,000

0 500 1000m

Drawn by JM
Dec 2005

PLATE 2A

Almaden Minerals Ltd.

CLAIM BOUNDARY

James Creek Ranch

N
T

UTM
NORTH
1.35 °

635000 636000 637000 638000 639000

5556000N 5555000N 5554000N 5553000N 5552000N 5551000N 5550000N

6000E 7000E 8000E

15000N 14000N 13000N 12000N 11000N 10000N 9600N

Roberts Creek

Merritt 22km -->

Prospect Creek Forestry Road

Creek

Richardson

Canamex Farms

CLAIM BOUNDARY

CLAIM BOUNDARY

LEGEND

Creeks

Forestry Access Roads, Trails

UTM Grid

Symbol	>=	<	(number of samples in range)
▼	0.0	0.4 ppm	(426)
▼	0.4	0.5 ppm	(388)
▼	0.5	0.6 ppm	(196)
▼	> 0.6 ppm		(67)

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MERIT PROPERTY
Nicola Mining Division, B.C.
NTS 92I/3E NAD83 zone 10 Grid

Main Grid
MOLYBDENUM
Soil Geochemistry

1:15,000

0 500 1,000

Drawn by JM
Dec, 2005

PLATE 5E