2002 GEOCHEMICAL AND TRENCHING REPORT
PROSPECT VALLEY (PV) PROPERTY

Nicola Mining Division
Prospect Creek Area , British Columbia
NTS: 92I/03E; Lat. 50°04'N, Long. 120°12'W
UTM Zone 10: 627900E, 5548800N

January, 2003

(BC 2002 ASSESSMENT)

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Report Preparation: Original + 4 copies

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1.0 SUMMARY AND CONCLUSIONS

The Prospect Valley (PV) property is located 35 km west-southwest of Merritt in southern British Columbia in the Nicola Mining Division , NTS 92I/03E. Staking was carried out by the authors of this report as agents for Fairfield Minerals Ltd. in October 2001 for a total of 40 units in 10 claims. Fairfield Minerals merged with Almaden Resources Corporation in February 2002 and the claims were transferred to the amalgamated company Almaden Minerals Ltd.

The property is situated in forested moderate to steep terrain and is accessible by 32 km of good logging road from the Sunshine Valley turnoff from Highway 8 west of Merritt.

Work carried out during 2001 and 2002 consisted of stream sediment sampling, soil sampling, rock sampling, prospecting, hand trenching and excavator trenching.

The claims are dominantly underlain by a northwest trending belt of Cretaceous intermediate volcanic rocks known as the Spences Bridge Group. The volcanics dip gently to the northeast and are unconformably underlain on the west by the mafic intrusive rocks of the Triassic-Jurassic Mount Lytton Complex.

The mineralization found to date consists of gold bearing quartz vein and breccia float showing distinct low sulphidation type epithermal textures with values up to 38.14gm/t Au. The quartz float is predominantly concentrated around Bonanza Creek on the western claims and its source has not yet been determined. However, current field evidence indicates a local volcanic host sequence. Fluid inclusion studies on a few samples of the quartz vein material have reported formation temperatures of ~200°C, indicating only shallow erosion of the source epithermal system.

A total of 1385 grid and road soil samples defined multiple element geochemical anomalies in the area of Bonanza Creek resulting in a 660m trenching program undertaken in October of 2002. Test pits were dug to a depth of 5 meters at fifteen locations on the west side of Bonanza Creek but no bedrock was reached. Intermediate volcanic flows and pyroclastics with varying degrees of carbonate and clay alteration were uncovered by excavation on the east side of Bonanza Creek. Narrow north-trending quartz stringers were exposed and sampled but no significant gold values were returned. All 35 trenches and test pits were backfilled on completion of mapping and sampling in compliance with environmental permits.

Despite the lack of exposed bedrock mineralization the property remains an exciting prospect and requires further exploration to locate the source of the gold bearing quartz float. An exploration program including an Induced Polarization Resistivity geophysical survey and reverse circulation drilling is recommended at an estimated cost of $65,000.

2.0 RECOMMENDATIONS

The following exploration program is recommended:

- Property scale mapping (1:5000 scale)

- Drill 35 Reverse Circulation drill holes along the West Spur and Central Spur roads to test overburden depth and to provide rock samples for Short Wave Infrared Analysis (SWIR). The holes should penetrate approximately 5 meters into the bedrock in order to collect unoxidized material for geochemical analysis or assay and Short Wave Infrared Spectroscopy. Soil profile and rock samples should be analyzed for Au, Ag and 33 elements to help determine provenance of the mineralized float and anomalous soil geochemistry.

- The above mapping and drill program could be carried out for approximately $50,000.

- An Induced Polarization Resistivity survey over the Central Spur area gold soil geochemical anomaly may detect alteration associated with epithermal quartz vein systems. Five - 1100 metre east-west lines at 200 metre spacing would cover the main body of the geochemical anomaly. The IP survey and required line cutting is estimated to cost approximately $14,000.

Respectfully submitted

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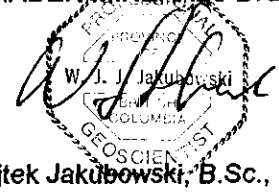

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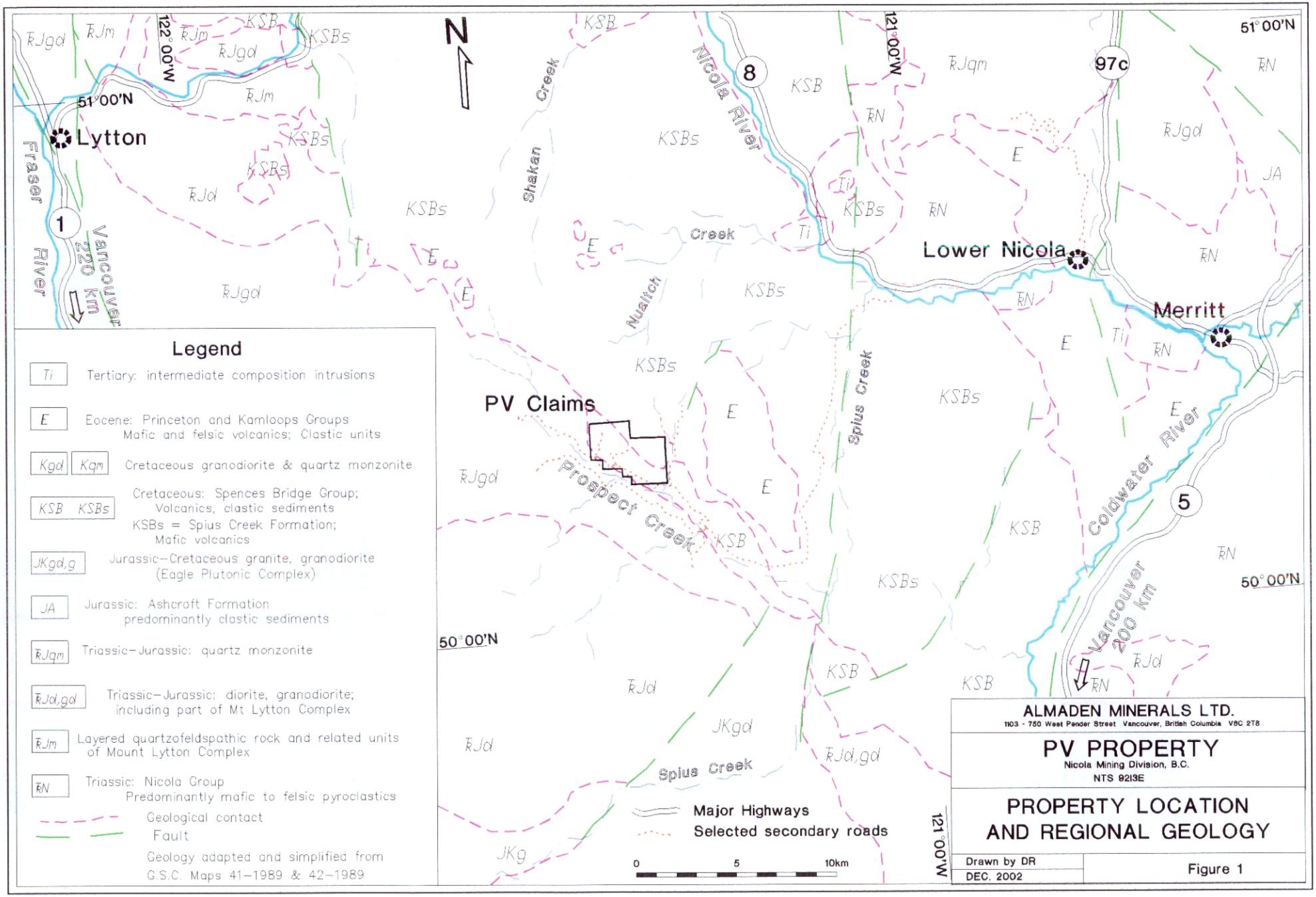
N
Lytton
Lower Nicola
Merritt
PV Claims
Fraser River
Vancouver 220 km
Vancouver 200 km
Nicola River
Shakan Creek
Nuaitch Creek
Spius Creek
Prospect Creek
Coldwater River
Spius Creek
122°00'W
121°00'W
51°00'N
50°00'N
97c
8
1
5
Major Highways
Selected secondary roads
0
5
10km
Legend
Ti Tertiary: intermediate composition intrusions
E Eocene: Princeton and Kamloops Groups Mafic and felsic volcanics; 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
Geological contact
Fault
Geology adapted and simplified from G.S.C. Maps 41–1989 & 42–1989
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PV PROPERTY
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PROPERTY LOCATION AND REGIONAL GEOLOGY
Drawn by DR
DEC. 2002
Figure 1

3.0 INTRODUCTION

This report has been prepared to describe the results of recent exploration programs conducted on the Prospect Valley property and to substantiate related expenditures applied for assessment credits.

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

The Prospect Valley (PV) property is centered about 35 km west-southwest of Merritt in south-central British Columbia, at latitude 50^0 04.5' N and longitude 120^0 12' W (UTM Zone 10: approx. 629200E / 5548450N) in NTS map area 92I/3. Excellent road access is available via Provincial Highway No.8 from Merritt, 18 kilometers westerly to the old community of Canford, thence 32 kilometers southwesterly via the Sunshine Valley/Spius Creek - Prospect Creek - Hooshum/Teepee Forestry Road systems. The main trunks of Hooshum and Teepee Roads pass through the southern and eastern claims, respectively, and a number of old but serviceable logging spurs branch off from them providing access to all areas of the property. For ease of reference relative to the property area, these subsidiary trails have been named West, Central, East and Northeast (NE) spurs (see Figure 2).

The PV claim group is situated within the Intermontane physiographic region and comprises 1000 hectares (10 sq.km.) of rolling upland terrain on the southern Interior (Nicoamen) Plateau, adjacent to the northeast flank of the Cascade Mountains. Topography is moderate to locally steep, with elevations ranging from about 1100 meters (3600 ft) along the southernmost claim boundary to 1600 meters (5300 ft) near the northwest property corner. Intermittent drainage is to the south and east along several short branches of Prospect and Teepee Creeks which are tributary to the Nicola River. One of these branches is hereinafter called Bonanza Creek (Fig. 2). Soil and drift cover, chiefly glacial till, is extensive and generally quite deep (>5m). Overall sparse bedrock exposure is mainly restricted to road cuts, steep south-facing slopes, and local topographic highs near the northern and western claim boundaries.

The climate is semi-arid and the area is generally free of snow from early June through October. Vegetation consists mainly of widely spaced lodgepole pine and Douglas fir grading to more dense balsam fir and spruce along creek valleys. Approximately 75% of the property area has been previously logged, during the 1960s.

3.2 Property Status

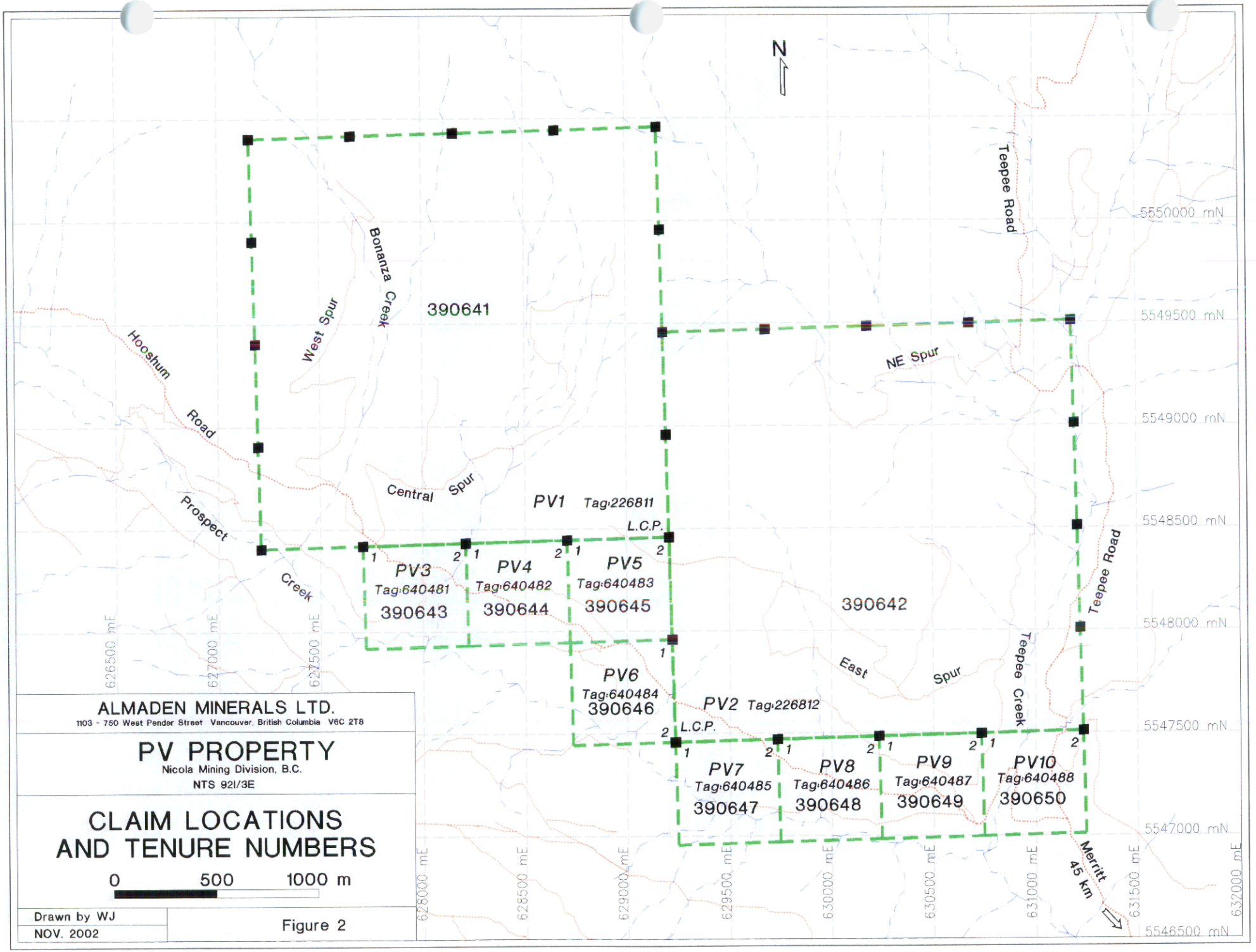
The property consists of 10 contiguous mineral claims totalling 40 units in the Nicola Mining Division. The claims were located by the authors of this report as agents for Fairfield Minerals Ltd. during October 2001. Following the merger of Fairfield with Almaden Resources Corporation in February of 2002, 100% interest in all of the claims was transferred (sold) to the amalgamated company Almaden Minerals Ltd. (Mineral Titles Event #3176142 / Feb. 14, 2002).

Locations of the PV 1-10 claims, having respective Mineral Tenure Numbers of 390641 to 390642, are illustrated on Figure 2. Pursuant to a Statement of Work in the amount of $60,000 filed with the BC Ministry of Energy and Mines on October 15, 2002 (Event No. 3185310), work credits have been applied to maintain all of these claims in good standing for a period of 9 years to the following expiry dates: PV 1, 6, 7, 8 - OCT. 18, 2011; PV 2, 9, 10 - OCT. 19, 2011; PV 3, 4, 5 - OCT. 17, 2011.

Table 1		Mineral Claims as at January 1, 2003			
	Claim	Claim		Tenure	Expiry
	Name	Type	# Units	Number	Date
	PV1	4post	16	390641	October 18, 2011
	PV2	4post	16	390642	October 19, 2011
	PV3	2post	1	390643	October 17, 2011
	PV4	2post	1	390644	October 17, 2011
	PV5	2post	1	390645	October 17, 2011
	PV6	2post	1	390646	October 18, 2011
	PV7	2post	1	390647	October 18, 2011
	PV8	2post	1	390648	October 18, 2011
	PV9	2post	1	390649	October 19, 2011
	PV10	2post	1	390650	October 19, 2011

3.3 History

There are no published records of any prior mineral exploration work in the specific locality of the PV claims, and there is no documented mineral occurrence for this site in the BC Minfile database. Ground evidence of past small-scale placer mining activity is present along Prospect Creek, near the existing southwest property corner, and also in the Shakan Creek drainage eight to fifteen kilometers north-northwest. A brief reference to historical placer gold finds from Shakan



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PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/3E

CLAIM LOCATIONS AND TENURE NUMBERS

0 500 1000 m

Drawn by WJ	Figure 2
NOV. 2002	

Creek appears in the 1933 Report of the (BC) Minister of Mines, and the upper reaches of this drainage constitute a designated placer area since 1987 (O/C 2270, 87/11/20).

Immediately east of the Shakan headwaters, in the Mimenuh Mountain area (~ 10 km north of PV), substantial copper and later copper-gold exploration was conducted intermittently by several companies from 1962 through 1990 on the former Copper Canyon / Duke / Mime claim groups. Most of this work targeted porphyry style mineralization hosted in small Tertiary intrusive bodies cutting mafic volcanics of the Cretaceous Spius Creek (formerly Kingsvale) assemblage. Details of the various exploration programs are well summarized in BC Geological Survey Branch Assessment Report 20912 (Leriche, 1990). A number of very positive results were generated from a core drilling campaign by Hurley River Gold Mines during 1962-63, with intercepts of up to 190 Ft. (~ 60m) grading 0.63% Cu, however only limited deposit size potential was indicated. This "Copper Canyon" area has been recently restaked as the WOW #1 claim of 20 units (Mineral Tenure No. 390666) by Robert Weicker of Coquitlam, BC. Some geological fieldwork was carried out on the claims during 2002.

Parts of the current PV property area were occupied by former mineral tenures as follows: (1) LAD, LAD 1/Tenure Nos. 237258-59 (35 units), located OCT. 8 & 20/1988 by Daniel M. Gagne of Chase, BC; forfeited OCT/1989; (2) VAL 1-8/Tenure Nos. 335671-78 (8 units), located MAY 13/1995 by Robert E. Gale of West Vancouver, BC; forfeited MAY/1996. The LAD claims were probably staked to cover the suspected source area of quartz vein float occurrences; there is evidence of widespread backhoe test-pitting presumably from this time period. The VAL claims were undoubtedly staked to cover the source area of a strong gold silt anomaly identified by the 1994 public release of government Regional Geochemical Survey data (BC RGS 40/GSC OF 2666; Sample No. 813044 - 150 ppb Au/rerun 193 ppb Au), but there is no documentation for any subsequent work performed.

The same RGS anomaly (described above) was initially examined by the authors of this report in July, 2001 during the course of a regional precious metals exploration program. Followup sediment sampling in this drainage (Bonanza Creek) confirmed the anomalous gold values, and moderately abundant banded chalcedonic quartz float was found in the stream channel. Two initial rock samples of such material returned significant analyses of 130 ppb Au and 898 ppb Au. Subsequent prospecting upstream and in the local area revealed numerous other gold-bearing quartz vein and breccia float occurrences which yielded analyses of up to 43340 ppb Au, as well as associated anomalous (As, Sb, Hg) geochemical signatures characteristic of epithermal systems. These results, plus the presence of widespread alteration in a nearby prospective rock unit, prompted staking of the PV claims.

The 2001 fieldwork in the PV area involved several stages of prospecting and reconnaissance scale geochemical sampling, most of which was carried out prior to and during property acquisition. Totals of 12 stream sediment, 285 soil and 38 rock samples were collected and analyzed for up to 35 elements; the results from these samples are merged with the 2002 data in this report. Preliminary SWIR* analysis of rock samples to determine clay alteration types was also undertaken in 2001, and a few specimens of quartz vein material were submitted for fluid inclusion (Flinc) analysis.

* *Short Wave Infrared Spectroscopy, carried out with a commercial field instrument known as the PIMA II (Portable Infrared Mineral Analyzer).*

3.4 2002 Exploration Program

Field work in 2002 consisted of initial coarse grid soil geochemistry, multiple stages of detailed (infill grid) soil geochemistry, minor portable auger (soil) sampling, substantial further prospecting and reconnaissance (rock, silt, soil) sampling, plus mechanical excavator trenching and test pitting with related mapping and rock/basal soil sampling. Totals of 1241 soil, 123 rock and 11 stream sediment samples were collected and shipped to Acme Analytical Laboratories Ltd. in Vancouver, BC for 35-element geochemical analysis. The program was carried out intermittently between June 10th and October 25th by two Company employees, four contract personnel, and an excavator operator supplied by Wiltech Developments Ltd. of Westbank, BC. Field crews were based mainly at the Douglas Motel in Merritt, BC. All GPS locations were taken with Garmin 12XL, 76 Map and eTrex handheld GPS units using NAD27 datum.

4.0 GEOLOGY

4.1 Regional Geology (Figure 1)

The subject region lies within the Southern Intermontane (tectonic) Belt of the Canadian Cordillera. Regional bedrock geology is shown on Figure 1, which has been compiled and condensed from parts of GSC Maps 41-1989 (Hope, by J.W.H. Monger, 1989) and 42-1989 (Ashcroft, by J.W.H. Monger and W.J. McMillan, 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 prevalent in all of the major creek or river valleys. Much of the region was overridden during the last Pleistocene glaciation by ice moving southeastwards, but more directly southwards across the PV area (Nicoamen Plateau; Ryder, 1975).

The dominant rock assemblage underlying the PV property and adjacent northeast area is the Cretaceous Spences Bridge Group (KSB / KSBS) comprising a broad northwest-trending thick sequence of gently folded volcanics with lesser sediments, dipping shallowly to the northeast. These rocks include intermediate, locally felsic and mafic flows and pyroclastics with some sandstone, shale and conglomerate (KSB), as well as a younger basaltic unit differentiated as the Spius Creek Formation (KSBS). This quite homogeneous conformable upper division was formerly called Kingsvale Group by early government geologists (Rice - 1947, Duffell and McTaggart - 1952, and others prior to Thorkelson - 1985).

The Spences Bridge Group unconformably overlies older plutonic rocks, mainly granodiorite to diorite/gabbro, of the Triassic-Jurassic Mount Lytton Complex (TrJgd) immediately southwest of the property area. A few kilometers to the north and east, the Spences Bridge Group is overlain by Tertiary (Eocene) mafic to felsic volcanics of the Princeton and Kamloops Groups (Ep, Ek). These younger volcanic units are cut by small (Miocene ?) intrusions of intermediate composition (Ti), which may be part of a feeder system to them.

The major structural features in the region are steeply dipping normal faults, parallel and subparallel with those of its western bounding Fraser (River) fault system. The faults have two dominant trends, one at 140^0 - 150^0 azimuth and the other due north-south (Monger, 1981). One such latter feature is the prominent Spius Creek fault (10 km east of PV) which extends northerly for over 40 kilometers off the Figure 1 area, through to and beyond the Highland Valley copper

district. Rocks of the Spences Bridge Group are believed to have formed as a chain of stratovolcanoes associated with subsiding, fault-bounded basins (Souther, 1991 and Thorkelson,1985).

Major mineral deposits include those of the world-class porphyry copper producing Highland Valley district (45 km NNE of PV), where five major orebodies containing initial aggregate reserves of approximately 1.5 billion tonnes grading 0.4% Cu were developed in Upper Triassic intrusive rocks of the Guichon Creek Batholith. The former Craigmont Mine (~25 km ENE of PV) exploited an important copper-iron skarn deposit that contained about 33 million tonnes grading 1.3% Cu hosted by Triassic Nicola Group volcanics.

4.2 **Property Geology, Alteration and Mineralization** (Plates 1 & 2)

No property scale geological mapping has yet been conducted on the PV claims, however local outcrop data have been noted during the course of other work. Generalized lithological contacts, adapted from GSC Map 42-1989, are presented on a 1:5000 scale Compilation Map (Plate 1) together with contoured anomalous gold and arsenic soil geochemistry, plus the locations of rock geochemical samples with posted gold values greater than 500 ppb. Detailed bedrock mapping was conducted in a small portion of the Central Spur area (Plate 2), in conjunction with the trenching program described under Section 6.0.

The Spences Bridge Group lower (KSB) division underlying about 70% of the property area comprises a thick accumulation of subaerial intermediate to felsic volcaniclastics and porphyritic flows that show great variations in lithology and/or texture over very short distances. Intercalated with these are locally occurring minor amounts of waterlain tuffs, sandstones and tuffaceous conglomerates. The pyroclastics form the most widespread sequence and consist of varicoloured (tan to rusty-orange, white, gray, brown, maroon, mauve, purple) lapilli tuffs, fine to coarse ash tuffs, and explosion breccias/agglomerates. Fossilised non-marine plant stems, twigs and leaves are common in these rocks. The feldspar porphyry flows, which are exposed along a short segment of the Central Spur road, are very fine-grained maroon to dark brown rocks containing up to 10% plagioclase phenocrysts 0.5 to 2 mm in length. Also scattered throughout the pyroclastic package in several locations (Central and East Spur areas) are irregular masses of blocky fractured, dense, fine-grained, varicoloured undifferentiated volcanic rocks of andesite-basalt composition.

The Spius Creek Formation or upper (KSBS) division of dominantly basalt flows and local flow breccia is a younger continuum of the Spences Bridge Group underlying the northern third of the

claim group. Its contact with the KSB division where observed in the field quite closely matches that as shown on Plate 1. The KSBS rocks are fined-grained, dark brown to reddish brown, and contain abundant amygdules as well as bright to dark green chert inclusions. The amygdules and breccia matrix material commonly consist of opaque white to translucent light blue-gray and clear banded chalcedony (agate).

Intrusive rocks cutting the Spences Bridge Group have not been found (in place) to date on the PV claims, but there are float occurrences of quartz-feldspar porphyry resembling such bodies known in the Mimenuh Mountain area to the north. The basal contact of the KSB assemblage with the older dioritic intrusions (TrJgd) straddling the southwestern property boundary has not been observed in the field, due to extensive overburden cover.

Structurally, there are several prominent lineaments discernible in aerial photographs of the property area; field evidence for parts of these are reflected by abrupt breaks-in-slope and/or topographic depressions. These linear features are from 500 to 2000 meters in length and have dominantly ESE-WNW or ENE-WSW trends, with multiple intersections in the Central Spur area. The trenching program in this area encountered some narrow easterly (E) to southeasterly (SE) trending vertical fault zones, and one north-south trending nearly vertical fault with associated manganiferous shears carrying anomalous arsenic (As), molybdenum (Mo) values. A major north to NNE trending topographic depression is marked by the steep gulch of lower Bonanza Creek, which may possibly represent a buried fault or shear zone (?) spatially related to a mineralized structure. The overburden cover along the (Bonanza Cr.) valley appears to be several tens of meters thick, but it is notable that a major anomalous multi-element soil geochemical trend straddles this feature.

There is widespread, variable alteration throughout the KSB package of rocks. Dominant alteration types include argillic, carbonate and iron/manganese oxide particularly within the pyroclastic units. Some of the alteration is probably deuteric (Thorkelson, 1985); however, there are obvious (later) hydrothermal features evidenced by local patches of strong silicification and pyritization (e.g. PVØ2-R65 site, Plate 1), as well as intense clay alteration, carbonatization and manganiferous quartz veining exposed by trenching in the Central Spur area. Additionally, KSB volcanic wallrock or breccia fragments in many of the gold-bearing quartz float occurrences found to date show substantial silica and/or carbonate replacement, together with disseminated pyrite and strong argillization. Clay mineral types determined by preliminary SWIR analysis of reconnaissance rock samples from various locations along the Central and East Spur road systems include halloysite, kaolinite, montmorillonite and smectite. In the porphyry flow rocks

along lower Central Spur road, some of the plagioclase phenocrysts are variably replaced by adularia and/or altered to sericite, possibly illite. Adularia has also been observed in a thin-section study of quartz vein (float) material from this same general area (Poliquin, 2002).

Significant gold mineralization, from >100 to 43340 ppb Au, has only been found to date in numerous occurrences of as yet **unsourced quartz vein** and **breccia float**. These occurrences exhibit classic textures typical of low sulphidation epithermal vein systems such as: crustiform-colloform banded chalcedony enveloping druses and/or comb-textured layers of crystalline quartz, cockaded breccia fragments, and (at one site) drusy quartz pseudomorphs after bladed calcite. Observed forms of mineralization include massive multiphase veins, various quartz-matrix breccias, stockworks and pyritic silica - carbonate replacements of (KSB) volcanic hostrocks; some examples are shown in the photographs on Figure 3.

Generally sparse, fine-grained disseminated pyrite has also been noted in some vein material as well as breccia matrices and clasts.

Much of the gold-bearing quartz float is subangular, and the majority of occurrences lie within a 1.5-square kilometer area that straddles Bonanza Creek valley. Fluid inclusion studies on a few of the vein float samples (Reynolds, 2001) have reported formation temperatures in the range of $<200^0$ C to 220^0 C, indicating minimal erosion of the (source) epithermal system.

Figure 3. Mineralized Specimen Photographs. From left to right and top down: Banded chalcedony vein (crustiform texture); Chalcedonic quartz breccia with strongly clay altered tuff clasts; Quartz stockwork veining in carbonatized volcanic hostrock; Banded chalcedony and crystalline quartz breccia showing cockade texture; Silica pyrite replacement style mineralization in tuffaceous hostrock (In situ PV02-R65 occurrence with anomalous As-Sb-Hg values)

5.0 GEOCHEMISTRY

5.1 Introduction

Geochemical work on and surrounding the PV claims during the (July 31-Oct. 19) 2001 and (June 11-Oct. 24) 2002 field periods involved various phases of sampling which accounted for collection of the following sample types and numbers:
2001; 12 stream sediments (MC series), 280 road-bank soils (PE, PM, PW series), 5 reconnaissance soils (MC-S series), and 38 reconnaissance rocks (MC-R series).
2002; 11 stream sediments (MC & PVØ2 series), 1105 grid-numbered soils, 45 reconnaissance soils (MC-S & PVØ2-S series), 91 trench profile/basal soils (PVTØ2n-S series where n = Trench or Pit No.), 79 reconnaissance rocks (PV02-R series and MC-R76, R77), and 44 trench continuous chip and grab samples (PVT02-R series).

The combined total of 1710 silt/soil/rock samples were analyzed for 34 or 35 elements. Complete results for all of these samples are listed on the Acme Analytical Laboratories Ltd. Geochemical Analysis Certificates contained in Appendix A (2001) and in Appendix B (2002). Tables in these Appendices also give the UTM grid locations, brief descriptions and selected analytical results for the respective 2001 and 2002 reconnaissance samples.

5.2 Sampling & Analytical Procedures

Soil sampling was carried out on the PV claims during 2001 and 2002. The 2001 sampling was done on existing logging roads at roughly fifty metre intervals using GPS for control. Grid sampling was conducted during 2002 on north-south flagged lines 200 and 400 meters apart and 50m sample spacing. Garmin 12XL and 76 handheld GPS units were used to locate the start points of the grid and provided control at 500m intervals along the lines. Soil sample stations at 50m intervals were marked with orange plus blue flagging and labelled with weatherproof (Tyvek) tags. Fill-in samples were collected at 5 to 25 meter spacing to increase the sample density in areas with anomalous soil geochemical values. Samples were collected from the "B" soil horizon by mattock or hand auger and placed in Kraft paper bags labelled with the respective grid coordinates. All samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver where each was dried and sieved to provide a -80-mesh fraction which was tested for 35 elements. A 10gm subsample of the –80 mesh fraction was leached with 60ml 2-2-2 HCL-HNO_3-H_2O at 95°C for one hour and then diluted to 200ml. The 35 elements were determined by ICP-MS. Twenty-five power auger soil samples were collected in the West and Central Spur road areas at 10 to

25m spacing to fill-in around anomalous stations defined by previous soil sampling. The auger samples are identified with an "AS" suffix appended to the sample number (eg 2500E3200NAS). Penetration was poor due to cobbles suspended in the overburden and a maximum depth of 85cm was achieved. The auger soil samples were analyzed by the same processes as regular soil samples but with a 30gm split from the –80 mesh fraction. Nine stream sediment samples were collected throughout the property and analyzed using the same procedures as the auger soil samples.

Rock sample sites were marked with labelled Tyvek tags and pink plus blue flagging. Sample locations were grid-referenced to local soil stations, if convenient, or recorded by GPS readings and thus given a UTM grid designation. Reconnaissance samples had individual weights of 1 to 5 kilograms. Continuous chip samples varying in length from 0.20m to 2.0m were collected from the walls or floor of the trenches using a rock hammer. The sample locations were mapped and in some cases photographed. All rock samples were also shipped to Acme's facilities in Vancouver, where they were each crushed to -10 mesh followed by pulverizing a 250-gram split to -150 mesh (95%). A 30 gram cut of the -150 mesh material from each sample was then analyzed for 35 elements (incl. Au) by ICP-emission spectrometry.

Power auger samples were collected using an Efco gasoline powered auger head and 7cm diameter auger screws that could allow a maximum penetration of 2.4 metres. Samples were collected from the auger screw and depths plus soil characteristics were recorded. The samples were taken at 10 to 25m intervals in areas of anomalous soil geochemistry in an effort to more accurately define the source of the anomalies. The sample sites were marked with labelled Tyvek tags and flagging. Samples were placed into Kraft paper bags and labelled with their respective grid coordinates. Auger soil samples were also shipped to Acme Analytical Laboratories in Vancouver, B.C for analysis.

5.3 **Soil Geochemistry Results** (Figures 4-11; Plate 1)

Merged 2001/2002 soil geochemical datasets were utilized to generate contoured value plots for the eight selected elements Au, Ag, As, Sb, Hg, Mo, Ba, Mn as shown in respective Figures 4 to 11.

These datasets incorporate the analytical results from all (1435) grid based and reconnaissance soil samples, but exclude results from the (91) trench soils which are discussed in the following Section 6.0. The Compilation Map-Plate 1 - shows the distribution of both Au and As soil anomalies.

The overall soil geochemical response is quite suppressed due to extensive deep clayey till cover on most of the property. This has resulted in generally scattered distributions of weakly to moderately anomalous values, and/or erratic single station anomalies that in several cases were not enhanced or expanded by detailed infill sampling.

Element concentration ranges used to define contours for the plots are based on the 25th, 50th, 75th and 90th percentiles calculated from the raw data. These broad ranges were chosen to provide greater contrast and thus to better reveal anomaly trends. There is some sample value bias and resultant skewing of contours for Ag, Sb, Hg and Ba contents, particularly in the eastern and northeastern property areas. This bias is a function of the relative density and location of roadcut samples versus grid samples in these areas. The roadcut samples were collected at different depths and consequently, in many cases, from different overburden material than the normal grid samples taken in undisturbed terrain.

Descriptions of the various anomaly trends outlined in Figures 4 to 11 follow. Arbitrary numbers have been assigned to these trends for ease of reference, and they do not necessarily imply relative magnitude among the anomalies.

Gold (Au) - Figure 4:

Trend 1 indicates a broad NNE-SSW (~010° – 190°) oriented major zone of gold enrichment that is approximately 500m wide by over 2000m long, and open at both ends. This zone encompasses most of the strongly anomalous Au-in-soil stations (max. value 276 ppb), as well as the majority of significant gold-quartz float occurrences located to date. It straddles the similarly oriented prominent gully of Bonanza Creek and is also aligned with the local glacial ice-flow direction (192°) as determined from bedrock striae noted in one of the trenches (PVT02-35). Trends 2 to 5 mark 1000m to 1600m long, roughly E-W alignments of moderately to strongly anomalous values striking across and extending beyond the boundaries of the main anomaly Trend 1; these features may in part represent an easterly smearing of values caused by later stage valley glaciation from the west or northwest. Trends 6 and 7 are parallel NW-SE features, each about 1500m long, and are situated adjacent to similarly trending structural lineaments visible on air photos; Trend 6 also appears to reflect the position of the KSB/KSBS lithological contact; there is some discontinuity of anomalies along these trends (6&7). Trend 8 is another E-W alignment of anomalies, 850m long and open to the west at the SW property corner; these anomalies are situated in deep gravelly till over the KSB/TrJgd contact zone along Prospect Creek. Trend 9 is a vague NE feature marked by only two high Au values 800m apart; this trend cuts across the strike of the KSB/KSBS contact. Trend 10 marks an 1150m discontinuous E-W string of anomalies that is open at the eastern limit of sampling; these anomalies are situated

within an area underlain primarily by KSB pyroclastic rocks and containing a few gold-bearing quartz float occurrences, in the range of 155 to 920 ppb Au.

Silver (Ag) - Figure 5:

The silver anomalies are quite sparse and not well defined because of poor contrast resulting from the very narrow range of analytical values, from <0.1 to 0.6 ppm. Trend 1 is coincident with the main belt of gold anomalies (Au Trend 1). Trend 2 parallels the Au Trend 3 but is situated about 200m further north. Trend 3 is a NE-SW alignment of elevated Ag values that does not correlate with any of the Au trends, but shows some coincidence with antimony (Sb) Trends 1 and 2 (Fig. 7). Trend 4 is a very weak feature that reflects a sampling bias along the East Spur road.

Arsenic (As) – Figure 6:

Trend 1 marks a continuous string of NNE-SSW oriented As anomalies with values of up to a maximum of 40 ppm; this main trend is coincident with the Au and Ag Trends 1. Trends 2 and 3 are similarly oriented to, but somewhat offset (100-300m) from, respective Au trends 3 and 7. Trend 4 is a short NE-SW alignment of As anomalies coincident with several other elements but not with Au. Trend 5 is a 2000m long WNW – ESE feature that closely parallels or coincides with Sb Trend 7, Mo Trend 10 and Mn Trend 12 (Figs. 7,9,11). Trend 6 is a 1000m long N-S feature that shows partial coincidence with Au/Sb anomalies, but this trend is strongly influenced by the contrast between the results of road cut and grid sampling. Road cut samples were typically taken from a deeper level in the soil horizon and would be less likely to contain organic material than regular grid samples collected from the forest floor. Reconnaissance rock samples from the Trend 5/6 area have returned some anomalous As values, up to 255ppm.

Antimony (Sb) – Figure 7:

Sb-in-soil values range from <0.1 to 1.7 ppm. The Sb trends 1 to 3 are roughly N-S features aligned within the same multi-element anomaly belt as that marked by Trend 1 for Au, Ag, As, Hg and Mo. Trend 4 is adjacent and parallel to Au trend 3, and is partly coincident with Trend 2 for Ag and As. Trend 5 is an 1800m long, discontinuous chain of Sb anomalies that is open at the SW property corner; this trend cuts northeasterly across the main Au-Ag-As zone but is subparallel to, and 200m-350m NW of the similarly oriented Hg, Ba, Mn Trends 5, 3, & 8 respectively. Sb Trend 6 is an ENE splay from Trend 5, and is adjacent to Au Trend 2 and Ba Trend 3. Sb Trend 7 has a similar position and orientation to Ag Trend 4, As Trend 5, Mo Trend 10, Mn Trend 12 and is contiguous (to the NW) with Au Trend 10. Sb Trend 8 is a shorter parallel (toTrend 7) feature that is skewed by the results of road cut sampling at or near a till/bedrock interface.

Mercury (Hg) Figure 8:

Hg-in-soil values range from <0.01 ppm (10 ppb) to 0.18 ppm (180 ppb). The main N-S zone of anomalous Hg (Trend 1) is coincident with that for Au, Ag, As, Sb and Mo. Trend 2 coincides with and is a NW extension of Au Trend 6; Trend 2 is also adjacent and similarly oriented to Mo Trends 3 & 5, Ba Trend 1, and Mn Trend 5. Hg Trends 3 & 4 are NW-SE alignments of anomalies that appear to have close spatial relationships with Au Trends 2 & 3, Mo trend 2, and Mn Trends 1 & 2. Hg Trend 5 marks a nearly 2000m long NE-SW oriented feature that is primarily correlative with Ba Trend 3 and Mn Trend 8; this combined Hg-Ba-Mn trend follows a broad topographic depression (and possible buried fault structure) occupied by the southwesterly flowing drainage along Central Spur road.

Molybdenum (Mo) Figure 9:

The Mo-in-soil values range from 0.1 to 3.3 ppm. Anomalous Mo values are widespread over the property area, but are dominantly concentrated in two zones: (1) a broad NNE-SSW oriented belt which includes Trends 1-5 & 11 and is bounded on the east by peripheral Trend 7; this belt shows good correlation with the main Au-Ag-As-Sb-Hg anomaly zone, and is open to the north; (2) a WNW-ESE oriented belt incorporating Trends 8-10 and showing some coincidence or spatial association with Au, Ag, As, Sb, Ba and Mn anomalies. The >2000m long Mo Trend 10 may be an offset SE extension of Mo trend 2 and its orientation appears to parallel a structural feature visible on air photos. Mo Trend 6 is a very long (>3000m) E-W feature that links with Ag Trend 2, and covers sparse single-point As, Sb, Hg, Ba, Mn anomalies; part of this trend is situated along or adjacent to similarly oriented stream gullies in the NE property sector.

Barium (Ba) Figure 10:

The Ba-in-soil values range between 62 and 1160 ppm. Ba anomalies marked by Trends 1-3 are partly within and partly peripheral to the main Au-Ag-As-Sb-Hg-Mo anomaly zone; some of the peripheral ones are open to the north and west. Trend 4 marks a 2800m long chain of strong Ba anomalies, open to the SE, and spatially related to Mo Trends 2/10 and Mn trend 12; the trace of this trend appears to follow a major break-in-slope, and probable thick till to near outcrop transition, above the main Hooshum Road. Trend 5 is a shorter, parallel, but widely separated feature to the NE of 4; it apparently has little or no relation to any of the other anomaly trends, but it may be reflecting a local KSB/KSBS lithological contact.

Manganese (Mn) Figure 11:

The Mn-in-soil values range from 81 to 3902 ppm. Mn anomalies are widespread throughout the property area, but are basically separated into two populations by an abrupt break marked by

Trend 8 (with coincident Hg Trend 5). The NW population includes Trends 1-7 which fall within or adjacent to the main Au-Ag-As-Sb-Hg-Mo anomaly zone. The SE population includes Trends 10-12 which show some spatial association with Au Trends 9&10, Ag Trend 4, As Trend 5, Sb Trends 7&8, Mo Trends 8-10 and Ba Trend 4. Mn Trend 9 is an outlier near the northern property boundary, in association with Mo and Ba anomalies. Abundant MnO/FeO alteration has been noted property wide in both float and bedrock.

Almaden Minerals Ltd.

Property Boundary

Note: Au-in-soil contours at 25th percentile: 0.6 ppb Au
50th percentile: 1.3 ppb Au
75th percentile: 3.6 ppb Au
90th percentile: 11.0 ppb Au

4 — Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
1910 - 700 West Pender Street Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

AU SOIL GEOCHEMISTRY

Scale: 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 4

Almaden Minerals Ltd.

Property Boundary

3550000 mN
3549500 mN
3549000 mN
3548500 mN
3548000 mN
3547500 mN
3547000 mN

630500 mE
631000 mE
631500 mE

Note: Ag-in-soil contours at 25th percentile: 0.05 ppm Ag
50th percentile: 0.1 ppm Ag
75th percentile: 0.2 ppm Ag
90th percentile: 0.3 ppm Ag

(2) Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
1503 - 750 West Pender Street Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

AG SOIL GEOCHEMISTRY

Scale: 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 5

Almaden Minerals Ltd.

Property Boundary

3550000 mN
3549500 mN
3549000 mN
3548500 mN
3548000 mN
3547500 mN
3547000 mN
625500 mE
626000 mE
626500 mE
627000 mE
627500 mE
628000 mE
628500 mE
629000 mE
629500 mE
630000 mE
630500 mE
631000 mE
631500 mE

Note: As-in-soil contours at 25th percentile 2 ppm As
50th percentile 3 ppm As
75th percentile 5 ppm As
90th percentile 8 ppm As

4 Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
1603 - 750 West Pender Street, Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

AS SOIL GEOCHEMISTRY

Scale: 1:15,000
0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 6

Almaden Minerals Ltd.

Property Boundary

Note: Sb-in-soil contours at 25th percentile: 0.2 ppm Sb
50th percentile: 0.3 ppm Sb
75th percentile: 0.5 ppm Sb
90th percentile: 0.6 ppm Sb

(4) Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
103 - 750 West Pender Street Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I3E

SB SOIL GEOCHEMISTRY

Scale: 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 7

Almaden Minerals Ltd.

Property Boundary

5550500 mN
5550000 mN
5549500 mN
5549000 mN
5548500 mN
5548000 mN
5547500 mN
5547000 mN

Note: Hg-in-soil contours at 25th percentile: 0.01 ppm Hg
50th percentile: 0.02 ppm Hg
75th percentile: 0.04 ppm Hg
90th percentile: 0.05 ppm Hg

4 — Anomaly Number and Trend Axis

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

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

HG SOIL GEOCHEMISTRY

Scale: 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 8

Almaden Minerals Ltd.

Property Boundary

Note: Mo-in-soil contours at 25th percentile: 0.5 ppm Mo
50th percentile: 0.6 ppm Mo
75th percentile: 0.7 ppm Mo
90th percentile: 0.9 ppm Mo

(2) Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
1905 - 750 West Pender Street Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

MO SOIL GEOCHEMISTRY

Scale: 1:5,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 9

Almaden Minerals Ltd.

Property Boundary

Note- Ba-in-soil contours at 25th percentile- 92 ppm Ba
50th percentile- 125 ppm Ba
75th percentile- 160 ppm Ba
90th percentile- 240 ppm Ba

(2) Anomaly Number and Trend Axis

ALMADEN MINERALS LTD.
1500 - 750 West Pender Street Vancouver, British Columbia V6C 2T8

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

BA SOIL GEOCHEMISTRY

Scale- 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 10

Almaden Minerals Ltd.

Property Boundary

Note: Mn-in-soil contours at 25th percentile- 390 ppm Mn
50th percentile- 510 ppm Mn
75th percentile- 680 ppm Mn
90th percentile- 870 ppm Mn

4 — Anomaly Number and Trend Axis

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

PV PROPERTY

Nicola Mining Division, B.C.
NTS 92I/03E

MN SOIL GEOCHEMISTRY

Scale: 1:15,000

0 100 200 300 400 500m

Drawn by WJ / DR
DEC. 2002

Figure 11

5.4 Reconnaissance Rock Geochemistry Results

A total of 117 reconnaissance rock samples were collected from the PV property area in 2001 and 2002. Reconnaissance sample locations are plotted on Plate 1 and values greater than 500ppb Au are posted. The sample results and descriptions are included in Appendices A (2001) and B (2002) along with the analysis certificates. Six reconnaissance rock samples were taken from outcrop and the remainder were float and subcrop. The gold values of the reconnaissance rock samples ranged from <0.5 ppb to 43340 ppb Au (sample MC-R33) and the **average** of all these anlyses excluding the 43340 ppb peak value is **518 ppb Au**. Gold values show weak positive correlations with Ag, As, Sb, Hg, Mo and weak negative correlation with Mn as shown in the scatter plots on Figure 12. Elevated gold values in rock samples form a rough north-south trend 600m wide and 1600m long centered on Bonanza Creek which coincides with anomalous soil geochemical trends. The mineralized rock samples show a variety of epithermal textures, some of which are shown in Fig. 3. The samples were dominantly angular to subangular and ranged in size of largest dimension from 3cm to 30cm (MC-R70, Central Spur area). A reconnaissance bedrock sample of silica-pyrite replaced pyroclastic was taken from outcrop near the East Spur road system at around 4800E2700N and returned anomalous values of Hg (2.64 ppm), As (75.3 ppm) and Sb (5.9 ppm). All samples with values greater than 1000ppb Au contained quartz as veins or breccia matrix hosted in intermediate pyroclastic rock.

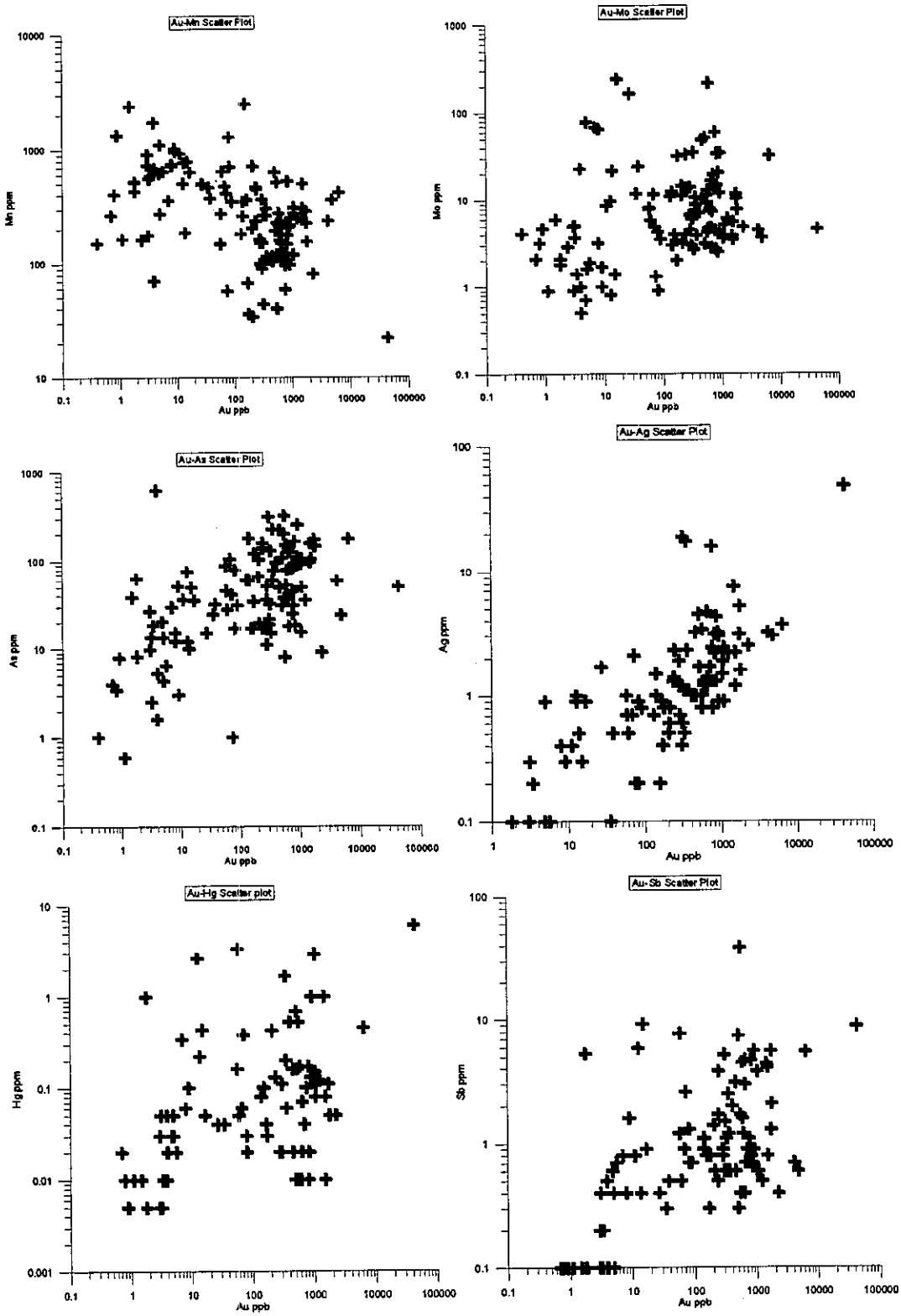


Figure 12. Reconnaissance rock sample scatter plots.

5.5 Quality Control Measures

Acme Analytical Labs provides resamples as part of their analytical procedure. The results are listed below in Table 2. The original analyses are listed with no suffix appended to the sample number. Re-analyses/assays with sample cuts taken from the pulp are listed with an "RE" suffix. The deviation from the mean of the gold results shown below in Table 2 was calculated by taking the difference between the average and maximum values and dividing it by the mean of the sample results. The major deviations from the mean concentrate at the lower end of the detection limit and have less effect on the data. A partial list of the reruns is given below inTable 2. All the reruns are included in the lab reports listed in Appendix B.

Table 2 PV 2002 RERUN SAMPLES

ELEMENT	Ag	Mn	As	Au	Sb	Hg	RERUN	Ag	Mn	As	Au	Sb	Hg	Au Devn
SAMPLES	ppm	ppm	ppm	ppb	ppm	ppm	SAMPLES	ppm	ppm	ppm	Ppb	ppm	ppm	frm Mean
Soil Samples														
2200E 4225N	0.1	385	4.2	1.7	0.2	0.02	RE 2200E 4225N	0.1	388	4.3	1.8	0.2	0.02	2.86%
2200E 4650N	0.1	452	1.5	0.9	0.1	0.01	RE 2200E 4650N	0.1	465	1.5	0.9	0.1	0.02	0.00%
2400E 5400N	< .1	421	2	1	0.1	0.02	RE 2400E 5400N	0.1	420	2.1	0.5	0.1	0.01	-33.33%
2550E 4050N	0.1	330	2.7	0.8	0.3	0.02	RE 2550E 4050N	0.1	324	3.1	3.4	0.3	0.03	61.90%
2600E 5150N	0.1	606	2.2	2.2	0.2	0.03	RE 2600E 5150N	0.1	649	2.6	0.5	0.2	0.03	-62.96%
2700E 3730NAs	0.2	425	5.5	23.2	0.6	0.03	RE 2700E 3730NAs	0.1	418	5.5	23.8	0.6	0.04	1.28%
2750E 4950N	0.1	240	3.8	1.4	0.2	0.02	RE 2750E 4950N	0.1	258	4	1.4	0.2	0.03	0.00%
2800E 4200N	0.2	1082	6	1.9	0.3	0.05	RE 2800E 4200N	0.2	1178	6	0.8	0.3	0.03	-40.74%
2800E 5025N	0.1	491	3.2	1.6	0.4	0.01	RE 2800E 5025N	0.1	501	3.3	6.9	0.4	0.03	62.35%
2800E 5400N	0.1	607	1.2	27.7	0.1	0.02	RE 2800E 5400N	< .1	648	1.3	0.25	0.1	0.02	-98.21%
2850E 3575N	0.1	446	5.4	41.2	0.4	0.02	RE 2850E 3575N	0.1	448	5.2	3.5	0.3	0.02	-84.34%
3000E 3550N	0.2	361	2.4	175.4	0.3	0.03	RE 3000E 3550N	0.1	349	2.3	3.5	0.3	0.02	-96.09%
3000E 4700N	0.1	1758	4.1	4.6	0.2	0.02	RE 3000E 4700N	0.1	1797	4.1	1.5	0.2	0.03	-50.82%
3050E 3900N	0.1	400	6.6	2.1	0.5	0.04	RE 3050E 3900N	0.1	400	6	13.4	0.5	0.02	72.90%
3050E 5000N	0.1	707	11.5	6.6	0.4	0.03	RE 3050E 5000N	0.1	716	11.4	6.9	0.4	0.02	2.22%
3200E 4350N	< .1	259	1.1	0.25	0.3	0.01	RE 3200E 4350N	0.1	250	1.3	0.25	0.3	0.02	0.00%
3350E 4400N	< .1	340	2.5	0.8	0.3	0.02	RE 3350E 4400N	0.1	336	2.7	0.9	0.3	0.02	5.88%
3400E 3250N	0.1	974	1.8	2.2	0.3	0.03	RE 3400E 3250N	0.1	991	1.8	0.25	0.3	0.02	-79.59%
3400E 4950N	0.1	1874	4.1	0.25	0.1	0.03	RE 3400E 4950N	0.1	1878	4.5	0.7	0.1	0.03	47.37%
3600E 4450N	0.1	251	1.3	0.25	0.2	0.02	RE 3600E 4450N	0.1	234	1.4	0.25	0.2	0.02	0.00%
3800E 3550N	< .1	390	2.1	0.25	0.1	0.01	RE 3800E 3550N	< .1	372	2.3	0.25	0.1	0.01	0.00%
3800E 5250N	< .1	689	4	2.3	0.2	0.14	RE 3800E 5250N	< .1	705	6.1	0.25	0.2	0.03	-80.39%
4000E 3100N	< .1	345	3.7	4.5	0.1	0.01	RE 4000E 3100N	< .1	384	3.7	0.9	0.1	0.01	-66.67%
4000E 5000N	0.1	486	4.3	0.25	0.1	0.04	RE 4000E 5000N	0.1	466	4.1	0.6	0.1	0.02	41.18%
4205N 2500E	0.1	647	3.2	0.9	0.4	0.04	RE 4205N 2500E	0.1	677	3.2	11.7	0.3	0.04	85.71%
4400E 3200N	0.1	379	2.7	0.25	0.3	0.02	RE 4400E 3200N	< .1	374	3.1	1.2	0.3	0.02	65.52%
4605N 2600E	0.1	330	2.4	8.5	0.3	0.02	RE 4605N 2600E	0.1	315	2.3	0.5	0.2	0.01	-88.89%
4800E 2200N	0.1	893	2.5	0.25	0.2	0.01	RE 4800E 2200N	0.1	891	2.5	0.25	0.2	0.02	0.00%
4800E 4150N	0.2	1435	3.1	0.25	0.3	0.04	RE 4800E 4150N	0.2	1349	2.5	0.25	0.3	0.03	0.00%
5200E 2850N	< .1	546	1.5	0.6	0.1	0.01	RE 5200E 2850N	< .1	496	1.3	0.6	0.1	0.02	0.00%
5250E 3300N	< .1	577	1.3	1.1	0.1	0.01	RE 5250E 3300N	< .1	562	1.4	0.5	0.1	0.01	-37.50%
PV02-S10	0.1	517	8.8	7.1	0.9	0.04	RE PV02-S10	0.1	526	8.5	33.6	0.8	0.04	65.11%
PV02-S40	0.1	546	5.4	1.7	0.2	0.03	RE PV02-S40	0.1	561	5.1	2.1	0.2	0.02	10.53%
PVT0226-S4	0.1	581	6.8	3.7	0.3	0.05	RE PVT0226-S4	< .1	545	7	4.6	0.3	0.05	10.84%
PVT0235-S4	0.1	1667	17.1	1.5	0.2	0.03	RE PVT0235-S4	0.1	1694	18.4	0.7	0.1	0.02	-36.36%
PVT027-S8	0.1	656	9.7	10	0.6	0.08	RE PVT027-S8	0.1	655	9.6	8.1	0.7	0.08	-10.50%
														-9.19%
Rock Samples														
PV02-R25	1.4	469	157.9	238.6	1.7	0.13	RE PV02-R25	1.4	457	156.8	212	1.8	0.14	-5.90%
PV02-R60	0.9	309	49.6	1061	0.6	0.08	RE PV02-R60	0.8	303	49.8	751.7	0.5	0.02	-17.04%
PV02-R8	0.9	356	55.6	1303	1	0.04	RE PV02-R8	0.9	352	56.2	1272	1	0.03	-1.20%
PVT0235-R2	0.5	1086	34.4	3.1	0.7	0.04	RE PVT0235-R2	0.5	1121	36.1	2.8	0.9	0.06	-5.08%
PVT028-R10	< .1	2402	53.3	1.4	0.1	0.01	RE PVT028-R10	< .1	2240	50.6	0.9	0.1	0.01	-21.74%
														-10.19%

6.0 EXCAVATOR TRENCHING

6.1 INTRODUCTION

Trenches and test pits were excavated on the PV claims in the West Spur and Central Spur areas to test the sources of anomalous gold soil geochemistry and quartz vein float. A total of 25 test pits, ranging in depth from 3 to 5.2m, and 10 trenches were excavated for a combined length of 660m. Strong carbonate and argillic altered volcanic flows and pyroclastics were exposed but no significant quartz veins were found. A north trending shear hosting calcite and manganese veins and alteration was exposed in the Central Spur area. Manganese and carbonate alteration is a near peripheral alteration suite associated with epithermal gold deposits. Thick (>5m) highly compacted clay cobble till limited rock exposure especially in the West Spur area. Some moderately anomalous gold values were returned from soil profile samples but rock sampling produced no significant results. .

6.2 TRENCHING OPERATIONS

All trenches were excavated utilizing a Caterpillar 325L excavator contracted from Wiltech Developments of Westbank , B.C. The depth of the trenches/test pits varied from 0.5 to 5.3 metres and averaged 1.5 metres. All excavations were backfilled and seeded on completion of the program as specified by the mineral exploration permit. Trench statistics are summarized in Table 3.

Two types of quick detachable buckets were used on the machine: a thirty-six inch toothed bucket for digging through overburden and a sixty inch smooth edge bucket for cleaning soil from the bedrock surface. A Sullair 185CFM compressor was used to clean the bedrock surface prior to mapping and sampling.

The trenches were mapped in detail at 1:100 and 1:200 scales and the geology was compiled at 1:500 scale (Plate 2). Grab samples and continuous chip samples, varying in length from 0.20m to 2.0m long, were collected across altered or favourable looking sections of the floor and walls of the trenches. Selected elements of all rock and soil results are plotted on the Central Spur trench area plan map (Plate 2) and a compilation of the lab reports is included in Appendix "B".

The trenches were surveyed using a Brunton compass, 50m steel chain and clinometer. The compass surveys were tied into UTM control points established using a Garmin 76Map GPS set to average for at least 30 minutes.

6.3 TRENCHING RESULTS

6.3.1 *Central Spur Area* (Plate 2)

The relative locations of the Central Spur trenches and test pits are shown on Plates 1 and 2. Detailed geology and sample locations and analytical results for selected elements are shown on Plate 2. Complete analytical results are compiled in Appendix B.

Test Pits 1-6 (Plate 1), varying in length from six to 23 meters and approximately 5m deep, were dug to test for the sources of mineralized quartz vein float. None of the pits exposed bedrock but cut homogenous compact brown to gray clay sand cobble till to a depth of 5 meters. Anomalous gold results were returned from soil samples taken from the bottom of test pits PVT02-2 and PVT02-3 (126 and 32 ppb Au respectively).

Trench 7 (Plate 2) exposed a feldspar porphyry flow and volcanic breccia cut by narrow east and southeast trending faults over a 40m length. The southern section of the trench is underlain by strong argillic altered feldspar porphyry. The bedrock surface deepens to greater than 5 meters at the south end of the trench, beyond the reach of the excavator. No significant results were returned from rock sampling and only weakly anomalous gold values resulted from the basal soil sampling.

Trench 8 (Plate 2), located to the south of trench 7, uncovered argillic altered massive volcanic and feldspar porphyry. Rounded carbonate altered pods up to 1m in diameter were noted at the south end of the trench. North trending, steeply dipping quartz stringers 0.5 to 3cm thick cut across the southern section of the trench. The veins vary from chalcedonic to coarse crystalline and from grey to smoky translucent to black. Minor banding of these colours and textures was noted as was very finely disseminated pyrite. Iron and manganese oxides were commonly found in fractures adjacent to the veins and occasionally filling the cores of the veins. Calcite was also noted filling the cores of the veins. Trench soils were not collected due to the highly disturbed nature of the overburden.

Trench 9 (Plate 2) was excavated to expose the southern projection of a series of narrow quartz veins intersected in trench 8. A group of narrow steeply dipping veins hosted in argillic altered massive volcanic was exposed at the projected location, however no significant values were returned from sampling. North trending manganiferous shears were mapped at the center and north end of the trench. Trench soils were not collected due to the highly disturbed nature of the overburden.

Trench 10 (Plate 2) was dug to determine if the trend of the veins found in trenches 8 and 9 continued to the south. The trench uncovered moderately altered feldspar porphyry with weak manganese oxide coated shears at roughly the projected locations of those found in trench 9. The bedrock surface dropped to beyond the reach of the excavator at the east end. A basal soil was collected from the overburden at the east end of the trench with no significant results.

Trench 11 (Plate 2) was located to cross an east west anomalous gold soil geochemistry trend. The trench exposed unaltered feldspar porphyry and no rock samples were taken. Soil samples collected from the soil rock interface at 5 meter intervals returned weakly to moderately anomalous gold values along the entire length of the trench.

Trench 12 (Plate 2) was also located to cross an east west anomalous gold soil geochemistry trend. Bedrock was not reached throughout the entire length of the trench to a depth of 3 meters. Soil samples of the compact clay sand cobble till collected from the bottom of the trench at 5 meter intervals returned weakly anomalous gold values except for one strongly anomalous value (144.3 ppb Au) at the south end of the trench.

Trench 32 (Plate 2) was excavated to test a northwest trending recessive topographic feature that projected through the trench 8 –9 –10 area. The trench exposed carbonate altered interbedded fine ash, coarse ash and lapilli tuffs. Laminae in the fine ash tuff indicate a bedding orientation of 130/32N. A pod of silicified strongly manganese altered lapilli tuff approximately 30cm in diameter was sampled (PVT0232-R1) but returned no significant values. Basal soil samples returned weakly to moderately anomalous gold values.

Trench 33 (Plate 2) was located to cross the same northwest trending recessive topographic feature tested by trench 32. Massive brown to maroon volcanic rock in fault contact with carbonate altered lapilli tuff was exposed. The iron and manganese oxide stained fault trends 125 degrees and is subvertical. Chip samples across the 50 cm wide fault zone returned anomalous manganese values but no significant gold. Test pit **PVT02-31** was dug at the south end of the trench and returned no significant values from a basal soil sample.

Trench 34 (Plate 2) was dug to test the projected location of the north trending manganiferous shear mapped in trench PVT02-9. The trench exposed argillic altered tuff and massive volcanic. The near vertical fault trends north south and drag folding indicates an east side down throw. Continuous chip samples across the fault returned no significant gold values but elevated arsenic and molybdenum results suggest that the structure may be related to a mineralized system. The

bedrock surface dropped beyond the reach of the excavator at the west end of the trench. Basal soil samples collected from the west end of the trench returned no significant gold values.

Trench 35 (Plate 2) exposed a series of interbedded argillic and carbonate altered fine ash and lapilli tuffs. A series of 1 to 3mm quartz stringers trending roughly north south was mapped over a 50cm interval near the center of the trench. Rock and basal soil sampling returned no significant gold values though arsenic values are moderately elevated in both. Glacial striae were noted on the bedrock surface at the east end of the trench showing an ice direction of 192 degrees.

6.3.2 West Spur Area (Plate 1)

The locations of the West Spur area test pits are shown on plate 1 and analytical results for selected elements are listed in Table 4. Complete analytical results are compiled in Appendix B. The West Spur test pits PVT02-13 to 26 were excavated to test the sources of anomalous gold soil geochemistry and quartz vein float. None of the pits reached bedrock. All the pits bottomed in gray to brown compact clay sand cobble till at a depth of about 5m with the exception of pit PVT02-26, which exposed a yellowish green sand at 5.0m. Water flowed from the sand horizon on exposure. The soil profile samples collected from the test pits reflected the surface soil geochemistry moderately closely and in general, the near surface soil samples showed the higher values. The anomalous surface soil geochemistry is most likely sourced from the west or north. North south trending glacial striae noted in trench PVT02-35 probably reflect the regional glaciation direction and the proposed west to east orientation is most likely a result of later valley glaciation. Quartz vein float was noted throughout the five-metre vertical soil profile exposed by the excavator.

Table 3 **PV 2002 TRENCH AND TEST PIT SUMMARY**

Trench	Length(m)	Width(m)	Depth(m)	Volume (m^3)	# Soil Samples	# Rock Samples	Comments
PVT02-1	20	1.5	4.3	129.0	1		No bedrock exposed
PVT02-2	5	1.5	5	37.5	1		No bedrock exposed
PVT02-3	5	1.5	5	37.5	1		No bedrock exposed
PVT02-4	5	1.5	5	37.5	1		No bedrock exposed
PVT02-5	10	1.5	5	75.0	1		No bedrock exposed
PVT02-6	8	1.5	5	60.0	1		No bedrock exposed
PVT02-7	40	1.5	2.2	132	8	2	
PVT02-8	125	1.6	1.5	300		12	
PVT02-9	30	1.5	1.5	68		13	
PVT02-10	30	1.5	1.6	72	1		
PVT02-11	52	1.5	1	78	9		
PVT02-12	50	1.5	2.3	173	10		No bedrock exposed
PVT02-13	8	1.5	5	60	3		No bedrock exposed
PVT02-14	8	1.5	5	60	1		No bedrock exposed
PVT02-15	8	1.5	5	60	1		No bedrock exposed
PVT02-16	8	1.5	4.7	56	2		No bedrock exposed
PVT02-17	8	1.5	5.8	70	2		No bedrock exposed
PVT02-18	8	1.5	5.2	62	2		No bedrock exposed
PVT02-19	6	1.5	4.7	42	1		No bedrock exposed
PVT02-20	8	1.5	5	60	2		No bedrock exposed
PVT02-21	12	1.5	4.7	85	3		No bedrock exposed
PVT02-22	10	1.5	4.1	62	3		No bedrock exposed
PVT02-23	8	1.5	4.6	55	3		No bedrock exposed
PVT02-24	8	1.5	4.7	56	2		No bedrock exposed
PVT02-25	8	1.5	4	48	2		No bedrock exposed
PVT02-26	10	1.5	5	75	4		No bedrock exposed
PVT02-27	10	1.5	5	75	3		No bedrock exposed
PVT02-28	12	1.5	4.7	85	2		No bedrock exposed
PVT02-29	8	1.5	4.3	52	2		No bedrock exposed
PVT02-30	10	1.5	4.3	65	2		No bedrock exposed
PVT02-31	10	1.5	4.5	68	1	1	
PVT02-32	17	1.5	2.2	56	4	1	
PVT02-33	14	1.5	2.6	55		2	Dug at same location as PVT02-31
PVT02-34	31	1.5	2.3	107	2	6	
PVT02-35	50	1.5	3	225	9	7	
Total:	660			2836	90	44	

Table 4 **TRENCH SOIL SAMPLE SUMMARY**

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As pm	Sb ppm	Au ppb	Hg ppm	Rock Type	Depth	Note
Test Pit PVT02-1													
PVT021-S1	917	0.7	36.4	4.5	57	0.1	11.6	0.5	5.8	0.09	No bedrock	5.0m	Grey compact clay sand till
Test Pit PVT02-2													
PVT022-S1	912	1.7	38.4	4.2	62	0.2	21.7	1.0	32.1	0.15	No bedrock	5.0m	Grey compact clay sand till
Test Pit PVT02-3													
PVT023-S1	792	1.1	65.3	4.2	59	0.1	13.1	0.6	126.1	0.08	No bedrock	5.0m	Grey compact clay sand till
Test Pit PVT02-4													
PVT024-S1	1033	1.4	63.9	4.0	67	0.1	14.6	1.0	8.9	0.19	No bedrock	5.0m	Grey compact clay sand till
Test Pit PVT02-5													
PVT025-S1	760	1.1	75.7	4.1	57	0.1	15.1	0.6	12.6	0.09	No bedrock	5.0m	Grey compact clay sand till
Test Pit PVT02-6													
PVT026-S1	901	0.8	38.2	4.7	65	0.1	10.7	0.7	11.8	0.1		5.0m	Grey compact clay sand till
Trench PVT02-7													
PVT027-S1	1069	0.7	38.7	4.8	67	0.1	10.5	0.5	5.4	0.08	VB	4.5m	
PVT027-S2	934	0.9	39.2	4.5	66	<0.1	9.0	0.5	3.2	0.06	VB	4.5m	
PVT027-S3	965	1.1	36.8	4.3	65	0.1	12.2	0.6	13.9	0.09	VB	4.5m	
PVT027-S4	854	0.7	35.8	5.7	62	0.1	10.4	0.6	3.8	0.07	FP	3.2m	
PVT027-S5	664	0.5	34.7	5.3	57	0.1	9.5	0.4	5.7	0.07	FP	1.0m	
PVT027-S6	769	0.6	36.8	5.0	63	<0.1	10.0	0.6	3.2	0.09	FP	1.2m	
PVT027-S7	676	0.7	48.4	6.6	58	0.1	9.2	0.6	19.6	0.09	A5V	1.0m	
PVT027-S8	656	0.7	31.0	3.9	60	0.1	9.7	0.6	10.0	0.08	A5V	2.2m	
Trench PVT02-10													
PVT0210-S1	1399	1.2	79.8	2.4	67	<0.1	21.2	0.2	11.7	0.02	A5V?	4.5m	
Trench PVT02-11													
PVT0211-S1	911	0.7	37.3	4.3	54	0.1	20.7	0.9	29.1	0.07	FP	2.0m	Grey compact clay sand till
PVT0211-S2	1036	0.9	36.5	4.6	60	0.1	22.3	0.9	25.3	0.05	FP	2.0m	Grey compact clay sand till
PVT0211-S3	1024	0.8	46.7	4.7	62	0.1	24.6	0.9	28.1	0.08	FP	1.2m	Grey compact clay sand till
PVT0211-S4	756	0.6	38.9	4.1	57	0.2	14.6	0.7	29.0	0.06	FP	0.6m	Grey compact clay sand till
PVT0211-S5	661	0.5	35.5	4.1	59	0.1	14.6	0.6	15.5	0.05	FP	0.7m	Grey compact clay sand till
PVT0211-S6	556	0.6	32.3	4.1	65	0.1	12.1	0.6	15.0	0.03	FP	1.0m	Grey compact clay sand till
PVT0211-S7	965	0.6	40.5	4.5	61	0.1	21.9	0.8	18.7	0.07	FP	0.9m	Grey compact clay sand till
PVT0211-S8	842	0.6	41.0	4.6	59	0.2	25.5	0.8	25.5	0.09	FP	1.0m	Grey compact clay sand till
PVT0211-S9	918	0.7	40.2	4.7	57	0.1	24.0	0.9	37.4	0.08	FP	0.8m	Grey compact clay sand till
Trench PVT02-12													
PVT0212-S1	854	0.9	34.7	4.1	66	0.1	11.9	0.7	10.5	0.08	No bedrock	2.5m	Grey compact clay sand till
PVT0212-S10	979	1.4	41.9	5.3	70	0.1	19.2	0.7	11.0	0.09	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S2	830	0.9	36.1	4.3	61	0.1	14.0	0.6	17.2	0.1	No bedrock	2.5m	Grey compact clay sand till
PVT0212-S3	866	0.9	34.6	4.2	62	0.1	13.2	0.7	13.7	0.12	No bedrock	2.5-3.5m	Grey compact clay sand till

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As pm	Sb ppm	Au ppb	Hg ppm	Rock Type	Depth	Note
PVT0212-S4	913	0.9	37.0	4.6	63	0.1	12.1	0.7	19.1	0.08	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S5	828	2.7	31.9	4.6	65	0.1	41.4	0.8	7.2	0.14	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S6	669	0.8	31.2	4.0	61	0.1	11.9	0.7	9.1	0.07	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S7	809	0.9	35.2	4.1	64	0.1	13.3	0.7	16.8	0.09	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S8	1039	1.1	37.8	4.5	64	0.1	15.7	0.8	7.4	0.1	No bedrock	2.5-3.5m	Grey compact clay sand till
PVT0212-S9	946	1.2	40.5	5.2	66	0.1	21.3	0.7	144.3	0.08	No bedrock	2.5-3.5m	Grey compact clay sand till
Trench PVT02-13													
PVT0213-S1	463	0.5	49.3	2.7	58	<0.1	9.9	0.3	1.9	0.02	No bedrock	5.0m	Brn sandy cobble till
PVT0213-S2	1037	0.6	41.7	4.0	67	0.2	23.9	1.3	32.0	0.05	No bedrock	3.0m	Grey compact clay sand till
PVT0213-S3	681	0.5	32.1	3.4	54	0.1	9.5	0.7	6.4	0.05	No bedrock	2.0m	Compact-loose brn clay sand cobble till
Trench PVT02-14													
PVT0214-S1	892	0.5	36.5	4.1	55	0.1	11.8	0.7	7.2	0.05	No bedrock	4.5m	Compact gry brn clay sand cobble till
Trench PVT02-15													
PVT0215-S1	985	0.8	41.2	4.6	68	0.2	24.3	1.5	18.5	0.07	No bedrock	5.0m	Test pit soil 5.0m depth
Trench PVT02-16													
PVT0216-S1	772	0.6	42.4	4.3	67	0.1	17.9	1.3	16.2	0.06	No bedrock	4.7m	Compact brn sand cobble till
PVT0216-S2	966	0.8	44.3	4.8	62	0.1	12.4	0.9	58.3	0.06	No bedrock	3.0m	Loose brn sand cobble till
Trench PVT02-17													
PVT0217-S1	660	0.3	62.7	1.8	42	<0.1	3.3	0.1	3.4	0.02	No bedrock	6.0m	Gry compact indurated clay sand cobble till
PVT0217-S2	1122	0.5	40.6	4.0	57	0.1	11.8	1.0	10.2	0.06	No bedrock	3.0m	Brn purple compact sandy cobble till
Trench PVT02-18													
PVT0218-S1	1155	0.9	51.7	3.1	64	<0.1	13.4	0.2	2.7	0.05	No bedrock	5.0m	Brn sandy cobble till
PVT0218-S2	633	0.5	32.3	3.7	46	0.1	11.6	0.7	38.1	0.03	No bedrock	1.0m	Brn sandy cobble till
Trench PVT02-19													
PVT0219-S1	832	0.9	52.4	3.1	66	<0.1	13.0	0.2	2.0	0.03	No bedrock	4.7m	Grey compact indurated sand clay cobble till
Trench PVT02-20													
PVT0220-S1	825	0.8	42.0	4.4	62	0.1	18.1	1.0	9.1	0.04	No bedrock	5.0m	Grey compact indurated sand clay cobble till
PVT0220-S2	994	0.6	38.8	3.7	53	0.1	20.6	1.0	13.6	0.05	No bedrock	3.0m	Brn compact sand cobble till
Trench PVT02-21													
PVT0221-S1	868	1.1	36.7	4.2	62	0.2	28.2	1.0	31.9	0.09	No bedrock	4.7m	Gry compact indurated clay sand cobble till
PVT0221-S2	1146	1	45.3	4.8	60	0.2	29.4	1.1	34.5	0.07	No bedrock	2.2-3.5m	Brn compact sand cobble till
PVT0221-S3	991	0.7	35.4	3.9	51	0.1	21.8	0.8	25.8	0.04	No bedrock	0-2.2m	Brn loose sand cobble till
Trench PVT02-22													
PVT0222-S1	872	0.9	36.1	4.1	59	0.2	30.4	1.2	18.2	0.06	No bedrock	4.1m	Gry compact indurated clay sand cobble till

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As pm	Sb ppm	Au ppb	Hg ppm	Rock Type	Depth	Note
PVT0222-S2	838	0.7	29.0	3.7	45	0.2	20.1	0.9	24.0	0.06	No bedrock	1.5-3.0m	Brn compact sand cobble till
PVT0222-S3	597	0.4	39.4	3.8	44	0.2	15.2	0.8	136.4	0.05	No bedrock	1.0m	Brn loose sand cobble till
Trench PVT02-23													
PVT0223-S1	870	0.9	39.2	4.1	64	0.2	28.8	1.1	17.9	0.07	No bedrock	4.6m	Gry compact indurated clay sand cobble till
PVT0223-S2	951	0.6	31.7	3.9	48	0.1	18.5	0.9	16.9	0.04	No bedrock	1-3.5m	Brn compact sand cobble till
PVT0223-S3	706	0.5	26.9	3.7	45	0.1	14.0	0.7	12.8	0.03	No bedrock	1.0m	Brn loose sand cobble till
Trench PVT02-24													
PVT0224-S1	756	0.6	24.4	4.9	50	<0.1	6.8	0.4	1.0	0.03	No bedrock	4.8m	Brn loose clay sand cobble till
PVT0224-S2	627	0.5	26.6	4.8	47	<0.1	6.4	0.4	1.3	0.03	No bedrock	1.3m	Brn loose clay sand cobble till
Trench PVT02-25													
PVT0225-S1	1148	0.9	35.9	4.9	66	0.1	10.2	0.7	4.0	0.05	No bedrock	4.0m	Brn compact clay sand cobble till
PVT0225-S2	556	0.4	26.0	4.6	47	<0.1	7.2	0.4	2.1	0.04	No bedrock	1.0m	Brn loose clay sand cobble till
Trench PVT02-26													
PVT0226-S1	1342	0.3	80.2	1.2	64	<0.1	3.5	0.1	1.8	0.01	No bedrock	5.0m	Unconsol yel-grn sand silt- dior boulbers
PVT0226-S2	280	0.1	84.1	0.7	30	<0.1	2.9	<0.1	2.1	0.01	No bedrock	3.5m	Green mixed till layer chlor alt dior
PVT0226-S3	1101	0.5	39.1	4.6	60	0.1	9.7	1.1	2.7	0.08	No bedrock	2.0m	Compact brn mauve clay sand till - amyg basalt
PVT0226-S4	581	0.4	29.8	4.2	52	0.1	6.8	0.3	3.7	0.05	No bedrock	1.0m	Brn mauve clay sand w orange FeO blobs
Trench PVT02-27													
PVT0227-S1	936	0.5	37.9	4.4	63	0.1	6.9	0.5	1.8	0.04	No bedrock	5.4-2.1m	Brn compact clay sand cobble till
PVT0227-S2	275	0.5	32.2	4.2	56	<0.1	3.8	0.4	1.4	0.04	No bedrock	2.1-1.0m	Grey loose sand cobble till
PVT0227-S3	1305	0.6	31.1	4.0	47	0.1	6.3	0.4	-0.5	0.04	No bedrock	0-1.0m	Grey loose locally rusty sand cobble till
Trench PVT02-28													
PVT0228-S1	900	1	43.2	4.7	58	0.1	14.1	0.7	8.3	0.11	FP?	4.7m	Gray brn compact clay sand boulder till
PVT0228-S2	758	0.9	34.1	4.8	56	0.1	13.5	0.6	8.3	0.06	FP?	2.0m	Gray brn compact clay sand boulder till
Trench PVT02-29													
PVT0229-S1	891	1	39.3	4.2	59	0.2	10.7	0.6	6.6	0.08	FP?	4.3m	Grey brn compact clay sand boulder till
PVT0229-S2	573	0.5	39.0	4.1	55	0.1	12.9	0.7	7.9	0.06	FP?	2.0m	Grey brn compact clay sand boulder till
Trench PVT02-30													
PVT0230-S1	1020	0.9	37.1	5.1	59	0.1	17.4	0.7	14.1	0.05	No bedrock	4.3m	Brn gry compact clay sand cobble till
PVT0230-S2	878	0.6	32.2	4.5	51	0.1	15.5	0.7	38.0	0.07	No bedrock	2.0m	Brn gry compact clay sand cobble till
Trench PVT02-31													
PVT0231-S1	429	0.5	36.2	3.9	45	0.1	8.5	0.6	8.6	0.08	CbLT/V	1.2m	Brn gry compact clay sand cobble till
Trench PVT02-32													
PVT0232-S1	847	0.7	37.1	4.3	60	0.1	12.1	0.6	7.8	0.07	CbLT/V	2.5m	Brn gry compact clay sand cobble till

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As pm	Sb ppm	Au ppb	Hg ppm	Rock Type	Depth	Note
PVT0232-S2	1222	0.8	37.5	4.5	62	0.1	14.5	0.7	6.3	0.08	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0232-S3	1311	1.2	38.1	5.0	63	0.1	13.5	0.7	21.2	0.08	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0232-S4	1010	1.4	39.2	10.5	84	0.1	15.0	0.8	8.2	0.17	CbLT/V	2.5m	Brn gry compact clay sand cobble till
Trench PVT02-34													
PVT0234-S1	839	1	26.9	4.1	60	0.1	8.9	0.5	2.3	0.06	A5LT	3.5m	Brn gry compact clay sand cobble till
PVT0234-S2	663	0.8	40.1	4.5	61	0.1	10.0	0.6	7.8	0.08	A5LT?	3.5m	Brn gry compact clay sand cobble till
Trench PVT02-35													
PVT0235-S1	945	0.7	35.6	5.7	58	0.1	10.2	0.6	2.4	0.07	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S2	820	1	40.2	4.8	64	0.1	12.3	0.7	4.7	0.1	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S3	856	2.1	56.2	5.6	81	<0.1	27.1	0.5	2.9	0.07	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S4	1667	0.7	30.0	3.8	50	0.1	17.1	0.2	1.5	0.03	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S5	1931	3.1	37.8	8.5	111	<0.1	49.5	0.4	1.6	0.04	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S6	1004	0.6	32.3	3.3	52	0.1	8.8	0.3	0.8	0.05	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S7	527	0.6	30.7	5.8	56	0.1	10.6	0.5	3.3	0.06	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S8	873	0.9	33.5	5.8	74	0.1	10.9	0.5	7.9	0.09	CbLT/V	2.5m	Brn gry compact clay sand cobble till
PVT0235-S9	755	0.9	39.0	4.5	61	0.1	10.4	0.6	2.9	0.09	CbLT/V	2.5m	Brn gry compact clay sand cobble till

Table 5 **TRENCH ROCK SAMPLE SUMMARY**

Sample No.	Length(m)	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As pm	Sb ppm	Au ppb	Hg ppm	Rock Type	Sample Type	Note
Trench PVT02-7														
PVT027-R1	Grab	873	3.3	61.8	2.1	69	<0.1	5.8	0.1	0.5	0.01	Clay alt gouge @ FP-A5V contact	Grab	
PVT027-R2	Grab	517	1.9	35.9	7.2	50	0.1	7.2	0.1	<0.5	0.01	Clay alt gouge @ FP-A5V contact	Grab	
Trench PVT02-8														
PVT028-R1	Grab	5067	3.3	19.9	1.8	23	<0.1	10.2	0.1	0.5	<0.01	QV 2cm -shattered 170/90	Grab	MnO coated frags
PVT028-R2	0.20	1703	0.8	45.6	2.8	58	<0.1	14.2	0.1	0.7	<0.01	A5MV shear	Cont chip	20cm chip across shear 170/60W
PVT028-R3	1.50	866	1.2	47.3	2.9	83	<0.1	12.0	<0.1	2.3	<0.01	A4V w Qtz stringers to 5mm	Cont chip	1.5m chip
PVT028-R4	1.20	2478	2	48.6	3.7	55	<0.1	38.3	0.1	1.8	0.01	A4V w Qtz stringers to 5mm	Cont chip	1.2m chip
PVT028-R5	1.50	851	0.6	44.9	3.4	50	<0.1	17.5	<0.1	1.8	<0.01	A4V w Qtz stringers to 5mm	Cont chip	1.5m chip
PVT028-R6	1.00	818	1.1	40.3	3.1	45	<0.1	15.7	0.1	1.4	<0.01	A4V w Qtz stringers to 5mm	Cont chip	1.0m chip
PVT028-R7	2.00	1543	0.7	42.3	171.1	56	0.1	20.9	0.1	4.1	<0.01	A4V w Qtz stringer to 2cm	Cont chip	2.0m chip
PVT028-R8	2.00	865	1.3	44.4	3.5	56	<0.1	23.2	<0.1	1.9	<0.01	A4V w Qtz stringer to 5mm	Cont chip	2.0m chip
PVT028-R9	2.00	1083	0.8	41.6	2.7	50	<0.1	22.4	0.1	0.8	<0.01	A4V w Qtz stringer to 5mm	Cont chip	2.0m chip
PVT028-R10	Grab	2402	3.1	30.8	3.6	41	<0.1	53.3	0.1	1.4	0.01	7 cm X5V with Qtz vein bluish grey	Grab	Best grab of vein and silic volc
PVT028-R11	Grab	6638	3	9.1	0.8	21	<0.1	9.1	0.1	1.4	<0.01	Qv 2cm	Grab	Best grab of vein -chalcedonic and xyl Qtz in core 05/70W
PVT028-R12	Grab	786	2.2	15.6	6.2	60	0.1	31.8	0.2	1.7	0.01	Arg alt shear A4V	Grab	Selected grab of Arg shear 170/60W in weak sil A4V
Trench PVT02-9														
PVT029-R1	Grab	1295	2	31.7	2.4	40	<0.1	13.3	0.1	0.9	<0.01	1*1.5cm Qtz pod	Grab	Best grab of Qtz
PVT029-R2	Grab	4638	4.3	26.0	2.4	38	<0.1	15.5	0.1	0.6	<0.01	2*30cm Qtz pod	Grab	
PVT029-R3	1.00	962	1.4	46.3	3.2	54	0.1	12.0	<0.1	0.8	<0.01	A5V w 7mm Qtz stringer	Cont chip	Cont chip 1.0m -stringer 165/70W
PVT029-R4	1.00	898	1.2	41.1	3.1	57	<0.1	21.7	<0.1	<0.5	<0.01	A5V w 7mm Qtz stringer	Cont chip	1.0m cont chip -stringer 165/70W
PVT029-R5	2.00	1273	0.9	37.3	3.8	47	<0.1	22.4	0.1	0.9	<0.01	A5V w silicified pod to 30cm	Cont chip	2.0m cont chip -stringer 165/70W
PVT029-R6	2.00	1309	1.1	41.9	4.1	50	<0.1	21.0	0.1	<0.5	<0.01	A5V w silicified pod to 30cm	Cont chip	2.0m cont chip
PVT029-R7	2.00	2470	1.4	44.9	4.5	58	<0.1	34.9	<0.1	<0.5	<0.01	A5V	Cont chip	2.0m cont chip
PVT029-R8	2.00	1682	0.8	48.7	4.0	64	<0.1	19.3	<0.1	<0.5	<0.01	A5V w 15*20cm qtz pod	Cont chip	2.0m cont chip - chalcedonic qtz w xyl core.
PVT029-R9	2.00	1432	1	48.9	4.2	56	<0.1	27.8	0.1	0.8	<0.01	A5V w 1cm qtz vn	Cont chip	2.0m cont chip - vein 25/70W
PVT029-R10	2.00	1808	1.8	49.8	4.1	64	<0.1	65.6	0.1	<0.5	<0.01	A5V w 1cm qtz vn	Cont chip	2.0m cont chip
PVT029-R11	2.00	1693	8	48.7	4.9	83	<0.1	67.7	0.1	<0.5	0.01	A5V w 30cm lightly grphitic shear	Cont chip	2.0m cont chip
PVT029-R12	2.00	994	9.9	14.7	8.5	79	0.1	31.6	0.1	<0.5	0.01	A5V w 30cm lightly graphitic shear	Cont chip	2.0m cont chip
PVT029-R13	Grab	992	5	16.8	1.8	23	<0.1	10.5	0.1	<0.5	<0.01	15*20cm Qtz pod	Grab	Qtz pod chalcedonic w coarse xyl core
Trench PVT02-31														
PVT0231-R1	Grab	248	0.4	18.0	27.5	98	0.7	3.4	0.2	3.0	0.04	Light grey Coarse and fine ash tuff	Rock grab	2.0m below surface
Trench PVT02-32														
PVT0232-R1	Grab	820	2.9	16.4	10.8	69	0.1	13.8	0.2	<0.5	<0.01	Silicified lapilli tuff	Rock grab	30*20*5cm pod of black silicified pyroclastic
Trench PVT02-33														
PVT0233-R1	0.50	4174	4.5	51.0	4.8	72	<0.1	32.3	0.2	4.1	0.03	Gouge	Rock grab	50cm chip across gouge on east side of trench
PVT0233-R2	0.50	2878	3.2	44.9	6.4	99	<0.1	33.8	0.2	1.4	0.11	Gouge	Rock grab	50cm chip across gouge on west side of trench
Trench PVT02-34														
PVT0234-R1	1.00	1408	3	60.5	17.2	87	0.5	88.9	0.3	3.3	<0.01	Gouge and A5V	Cont chip	1.0m continuous chip
PVT0234-R2	0.50	751	8.4	32.8	5.7	62	0.1	56.5	0.3	1.5	<0.01	Gouge and A5V	Cont chip	0.5m continuous chip
PVT0234-R3	1.00	738	13.8	10.0	5.8	69	<0.1	43.5	0.3	1.5	<0.01	Gouge and A5FT	Cont chip	1.0m continuous chip
PVT0234-R4	1.40	1387	1.4	63.8	6.0	67	<0.1	59.3	0.1	1.0	<0.01	Gouge and A5V	Cont chip	1.4m continuous chip
PVT0234-R5	0.40	1617	4.8	43.9	5.8	73	<0.1	95.5	0.3	<0.5	<0.01	Gouge and A5FT	Cont chip	0.4m continuous chip
PVT0234-R6	1.50	694	13.7	20.1	5.1	43	<0.1	72.4	0.3	0.6	0.01	Gouge and A5FT	Cont chip	1.5m continuous chip
Trench PVT02-35														
PVT0235-R1	1.00	937	5.4	21.0	45.6	171	0.4	32.0	1.2	5.5	0.1	A3FT	Cont chip	Cont chip over 1.0m
PVT0235-R2	1.60	1086	1.3	53.8	28.1	98	0.5	34.4	0.7	3.1	0.04	A4FP	Cont chip	Cont chip over 1.6m
PVT0235-R3	2.00	782	1	43.7	19.7	82	0.2	8.4	0.3	2.8	0.06	A5FT	Cont chip	Cont chip over 2.0m
PVT0235-R4	0.80	762	1.2	39.0	21.5	66	0.2	7.8	0.5	3.0	0.04	A5FT w Qtz stringers	Cont chip	Cont chip over 0.8m
PVT0235-R5	0.80	631	1.5	37.2	4.8	54	<0.1	12.4	0.1	1.9	0.05	A5FT w Qtz stringers	Cont chip	Cont chip over 0.8m
PVT0235-R6	2.00	990	5.7	41.7	5.1	63	<0.1	50.9	0.2	0.6	0.06	A5FT w Qtz stringers	Cont chip	Cont chip over 2.0m
PVT0235-R7	2.50	946	0.8	47.2	4.2	58	<0.1	34.7	0.1	2.1	0.07	A5FT w Qtz stringers	Cont chip	Cont chip over 2.5m

7.0 PERSONNEL & CONTRACTORS

Company Personnel	Position	# Days	Field Dates Worked
E. A. Balon	Prospector	35 days	June 10 – Oct. 25, 2002
W. Jakubowski	Geologist	33 days	June 10 – Oct. 25, 2002
Contract Personnel			
R. Harwood New Denver, BC	Field Assistant	3 days	July 29 – Sept. 10, 2000
K. MacKenzie Heffley Crk, BC	Field Assistant	9 days	June 11 - June 20, 2002
D. H. Ritcey Vancouver, BC	Geologist	25 days	Oct. 1 – Oct. 25, 2002
M. Steiner Kamloops, BC	Field Assistant	10 days	June 11- June 20, 2002

Contractor	Position	# Days	Dates Worked
Wiltech Developments Westbank, B.C.	Excavator trenching	21 days	Oct. 1 – Oct. 24, 2002

8.0 STATEMENT OF COSTS

SALARIES (Field)

E. A. Balon	Prospector	35 days	
R. Harwood	Field Assistant	3 days	
W. Jakubowski	Geologist	33 days	
K. MacKenzie	Field Assistant	9 days	
D. R. Ritcey	Geologist	24 days	
M. Steiner	Field Assistant	10 days	$24,530

TRANSPORTATION

Truck Rental $2,687

CAMP SUPPORT

Food & Accommodation $6,585

Fuel $1,178

Telephone $200

Hardware, field gear $1,510

TRENCHING

Mob-Demob $1,100

Excavator – Caterpillar 325L 145.5 hours @$115/hr..... $16,732

Compressor – Sullair 185 5 days @ $100 ..... $500

GEOCHEMICAL ANALYSIS

11	Stream Sediment Samples	35 el ICP ..... @$13.18.....	$145
45	Reconnaissance Soil Samples	35 el ICP .....@$11.06.....	$498
1105	Grid Soil Samples	35 el ICP .....@$11.06.....	$12,221
91	Trench Soil Samples	35 el ICP .....@$11.06.....	$1,007
79	Reconnaissance Rock Samples	35 el ICP .....@$16.15.....	$1,276
44	Trench Rock Samples	35 el ICP .....@$16.15.....	$711

TOTAL EXPENDITURES $70,880

9.0 STATEMENTS OF QUALIFICATIONS

I, Wojtek Jakubowski, of Vancouver, British Columbia, hereby certify that:

1. I am a professional geoscientist residing at #303 639 West 14th Avenue and employed by Almaden Minerals Ltd. of 1103 - 750 West Pender Street, Vancouver, B.C., V6C 2T8.

2. I received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.

3. I have practiced my profession for 25 years in Quebec, Northwest Territories, Yukon Territory, British Columbia and Mexico.

4. I am a member of the Association of Professional Engineers and Geoscientists of the province of British Columbia, registration number 19563.

5. I am an author of this report and the supervisor of the field work conducted on the PV1 to 10 mineral claims by Almaden Minerals Ltd. during the period October 18, 2001 to October 24, 2002.

ALMADEN MINERALS LTD.

Wojtek Jakubowski, B.Sc., P. Geo

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, and employed by Almaden Minerals Ltd. of 1103 - 750 West Pender Street, Vancouver, British Columbia, V6C 2T8.

2. I received a Diploma in Mining Engineering Technology (integrated Geology, Mining and Metallurgy) from Northern College - Haileybury School of Mines, Ontario in 1970.

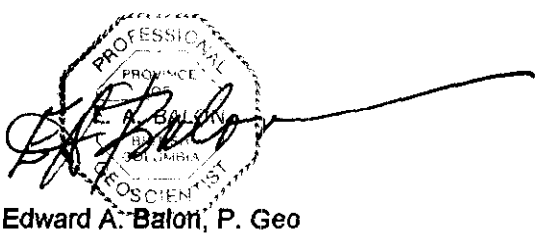
3. I have attended numerous Continuing Education Courses in Geoscience since 1970, including Exploration Geochemistry at the University of British Columbia, Vancouver, B.C. in 1984/1985.

4. I am a member of the Association of Professional Engineers and Geoscientists of the province of British Columbia, registration number 20265.

5. I have practiced my profession for thirty-three years in British Columbia, Yukon, Northwest Territories and Mexico.

6. I am a co-author of this report and conducted or supervised part of the field work performed on the PV1 to 10 mineral claims during the period October 18, 2001 to October 24, 2002.

ALMADEN MINERALS LTD.



Edward A. Balon, P. Geo

10.0 REFERENCES

Corbett, G. J.
2002: Epithermal Gold for Explorationists; in Australian Institute of Geoscientists (AIG) Journal, Paper 2002-01, 26 p.

Duffell, S. and McTaggart, K. C.
1952: Ashcroft Map-Area, British Columbia (BC); Geological Survey of Canada (GSC) Memoir 262, p. 52-58, (Spences Bridge Group and Kingsvale Group)
1951: GSC map 1010A; Ashcroft, BC; scale 1:253,440.

Jackaman, W. and Matysek, P. F.
1994: British Columbia Regional Geochemical Survey, NTS 92I - Ashcroft, (BC RGS 40/GSC OF 2666), Stream Sediment and Water Geochemical Maps & Data.

Leriche, P. D. (Reliance Geological Services Inc.)
1990: Geological and Geochemical Report on the Mime Claim Group, Nicola Mining Division, BC, for Pacific Sentinel Gold Corp. (BCGSB Assessment Report 20,912).

McMillan, W. J.
1976: Geology and Genesis of the Highland Valley Ore Deposits and the Guichon Creek Batholith; in CIM special Volume 15 (ed. A. Sutherland-Brown), Part B, p. 85-104.

Monger, J. W. H. and McMillan, W. J.
1989: Geology, Ashcroft BC; GSC Map 42-1989, sheet 1, scale 1:250,000.

Monger, J. W. H.
1989: Geology, Hope, BC; GSC Map 41-1989, sheet 1, scale 1;250,000.
1985: Structural Evolution of the Southwestern Intermontane Belt, Ashcroft and Hope Map Areas, BC, in Current Research, Part A, GSC Paper 85-1A, p. 349-358.
1981: Geology of Parts of Western Ashcroft Map Area, southwestern BC; in Current Research, Part A, GSC Paper 81-1A, p.185-189.

Poliquin, M. J.
2001 & 2002: Pers. Comm; various discussions concerning the Geology and Genesis of Epithermal Gold Deposits, and concerning the Applications of Fluid Inclusion Analysis and SWIR Spectroscopy.

Reynolds, J.
2001: Private email Comm (to M. J. Poliquin/Almaden Res. Corp.) giving the Results of Fluid Inclusion Analyses from PV Property Quartz Samples.

Rice, H. M. A.
1947: Geology and Mineral Deposits of the Princeton Map-Area, BC; GSC Memoir 243.

Ryder, J. M.
1975: Quaternary Geology - Terrain Inventory, Lytton Map-Area, BC (92I/SW); in Current Research, Part A, GSC Paper 75-1A.

Souther, J. G.; Gabrielse, H. and Yorath, C.J. (ed.)
1991: Volcanic Regimes, Chapter 14 in Geology of the Cordilleran Orogen in Canada, Geology of Canada, no.4, p. 457-490 (also Geological Society of America, The Geology of North America, v. G-2).

Thorkelson, D. J.
1985: Geology of the Mid-Cretaceous Volcanic Units near Kingsvale, southwestern BC; in Current Research, Part B, GSC Paper 85-1B, p. 333-339.

APPENDIX "A"
2001 Analytical Results from Silt, Soil and Rock Samples

2001 Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PE-1	630279	5548610	870	0.5	0.1	2	<0.5	<1	1.2	275		Soil	Log roadOB Depth - ? Orig sfc-no cut bank. Few pcs KSB float.
PE-10	630571	5548268	660	0.5	<0.1	2	<0.5	<1	0.5	155		Soil	Log roadOB Depth - 1.75+ Mainly rounded basalt cobbles.
PE-11	630547	5548214	457	0.6	<0.1	3	<0.5	<1	<0.2	105		Soil	Log roadOB Depth - 1.25+ Mainly rounded basalt cobbles.
PE-12	630522	5548157	489	0.5	<0.1	2	<0.5	<1	<0.2	107		Soil	LandingOB Depth - 02.0 Dominantly basalt float.
PE-13	630504	5548105	530	0.5	0.1	7	<0.5	<1	0.4	168		Soil	Log roadOB Depth - 1.7+ Dom. basalt bldrs- few pcs KSB pyroclastics.
PE-14	630476	5548060	641	0.6	0.1	4	<0.5	<1	0.6	241		Soil	Log roadOB Depth - 0.75+ Dom. basalt float.
PE-15	630446	5548001	664	0.9	0.1	11	<0.5	<1	15.0	279		Soil	Log roadOB Depth - ? Both KSB/KSBS rubble- disturbed area.
PE-16	630413	5547925	392	0.5	0.1	6	<0.5	<1	0.7	131		Soil	Log roadOB Depth - 2.0+ Mainly basalt float.
PE-17	630408	5547896	724	0.7	0.1	7	<0.5	<1	9.2	344		Soil	Log roadOB Depth - 1.5+ Mainly basalt float.
PE-18	630402	5547835	392	0.6	0.1	5	<0.5	<1	3.2	256		Soil	Log roadOB Depth - 00.5 KSB broken subcrop. PIMA sample.
PE-19	630382	5547781	515	0.6	<0.1	2	<0.5	<1	1.5	242		Soil	Log roadOB Depth - ? Shallow KSB- apparent subcrop. 2 PIMA samples.
PE-2	630315	5548569	1099	0.7	0.1	2	<0.5	<1	0.5	233		Soil	Log roadOB Depth - ? Orig sfc-no cut bank. Few pcs KSB float.
PE-20	630345	5547744	442	0.6	0.1	3	<0.5	<1	0.3	433		Soil	Log roadOB Depth - ? Shallow KSB- red+orange weathrd broken subcrop? PIMA sa
PE-21	630826	5547891	443	0.7	0.1	3	<0.5	<1	<0.2	232		Soil	Log roadOB Depth - 2.5-3.0+ Some angular- altd KSB rubble.
PE-22	630854	5547937	522	0.7	<0.1	4	<0.5	<1	1.8	235		Soil	Log roadOB Depth - 2.5-3.0+ Disturbed ground- dull grey soil.
PE-23	630863	5547984	361	0.6	<0.1	3	<0.5	<1	0.4	257		Soil	Log roadOB Depth - 2.5-3.0+ Few pcs KSB float.
PE-24	630864	5548061	415	0.6	<0.1	3	<0.5	<1	0.5	299		Soil	Log roadOB Depth - <0.5 ? Angular- tabular KSB rubble.
PE-25	630885	5548101	289	0.5	<0.1	3	<0.5	<1	0.4	216		Soil	Log roadOB Depth - <0.5 ? Mixed KSB- KSBS rubble.
PE-26	630864	5548145	348	0.4	<0.1	2	<0.5	<1	1.4	159		Soil	Log roadOB Depth - ? Mixed KSB- KSBS rubble
PE-27	630866	5548205	299	0.4	0.1	2	<0.5	<1	1.2	181		Soil	Log roadOB Depth - ? Deep Dull grey soil- mixed float.
PE-28	630900	5548240	502	0.9	0.1	3	<0.5	<1	0.5	276		Soil	Log roadOB Depth - ? Deep Dom. basalt bldrs.
PE-29	630915	5548302	565	0.5	0.1	3	<0.5	<1	0.4	305		Soil	Log roadOB Depth - ? Deep Dom. basalt bldrs.
PE-3	630350	5548527	569	0.7	0.1	2	<0.5	<1	0.6	212		Soil	Log roadOB Depth - 00.5 Angular- altd KSB rubble.
PE-30	630910	5548349	681	0.6	0.1	4	<0.5	<1	0.4	212		Soil	Log roadOB Depth - ? Deep Dom. basalt bldrs. Dk gy-brn soil.
PE-31	630935	5548407	582	0.7	<0.1	2	<0.5	<1	0.4	185		Soil	Log roadOB Depth - ? Abund altd KSB float- incl lge bldrs.
PE-32	630966	5548431	466	0.8	0.1	4	<0.5	<1	2.4	294		Soil	Log roadOB Depth - ? Shallow Abund angular KSB rubble.
PE-33	630985	5548477	672	0.5	<0.1	2	<0.5	<1	0.3	210		Soil	Above RdOB Depth - ? Abund angular KSB rubble. Orig sfc.
PE-34	630987	5548526	351	0.7	0.1	2	<0.5	<1	0.4	101		Soil	Above RdOB Depth - ? Deep Apparent till knoll.
PE-35	630989	5548591	340	0.7	<0.1	3	<0.5	<1	0.2	106		Soil	Log roadOB Depth - ? Deep Apparent till knoll.
PE-36	630995	5548645	321	0.5	0.1	5	<0.5	<1	<0.2	138		Soil	Log roadOB Depth - ? Deep Till- basalt-type soil.
PE-37	630977	5548677	826	0.5	0.1	3	<0.5	<1	0.3	100		Soil	Above RdOB Depth - ? Deep Till- dk gy-blk soil.
PE-38	630964	5548725	465	0.6	<0.1	3	<0.5	<1	<0.2	94		Soil	Above RdOB Depth - ? Deep Till- dk gy-brn soil.
PE-39	630952	5548776	302	0.5	<0.1	2	<0.5	<1	0.3	116		Soil	Log roadOB Depth - ? Deep Till- lt mauve-brn soil.
PE-4	630377	5548483	800	0.3	0.1	7	<0.5	<1	0.5	140		Soil	LandingOB Depth - 00.1 Qtz-Carb altd KSBS (mafic volc).
PE-40	630927	5548838	633	0.6	0.1	2	<0.5	<1	39.3	133		Soil	Above RdOB Depth - ? Deep Till- lt brn soil.
PE-41	630892	5548870	592	0.6	0.1	3	<0.5	<1	1.1	139		Soil	Log roadOB Depth - ? Deep Till over basalt terrane.
PE-42	630862	5548920	288	0.5	<0.1	3	<0.5	<1	1.3	88		Soil	Log roadOB Depth - ? Deep Till- dom. rounded basalt bldrs.
PE-43	630870	5548951	458	0.4	0.1	2	<0.5	<1	0.7	115		Soil	Log roadOB Depth - ? Deep Till- basalt terrane.
PE-44	630889	5549001	345	0.3	0.1	3	<0.5	<1	0.5	88		Soil	Log roadOB Depth - ? Deep Till- basalt terrane.
PE-45	630906	5549033	338	0.5	0.1	5	<0.5	<1	1.1	176		Soil	Log roadOB Depth - ? Deep Till- rounded bldrs of many types. Bank of Teepee Cree
PE-5	630422	5548445	705	0.7	0.1	9	<0.5	<1	0.8	154		Soil	Below IndgOB Depth - ? Shallow Rusty-orange KSB rubble.
PE-6	630481	5548430	416	0.6	0.1	6	<0.5	<1	0.8	170		Soil	Log roadOB Depth - 1.0+ Dominantly KSB rubble.
PE-7	630529	5548415	620	0.4	0.1	2	<0.5	<1	<0.2	96		Soil	Log roadOB Depth - 00.5 KSBS (basalt) subcrop.
PE-8	630573	5548371	629	0.6	0.1	2	<0.5	<1	0.4	127		Soil	Old Indg ?OB Depth - 1.0+ Dominantly basalt float.
PE-9	630579	5548314	392	0.5	<0.1	6	<0.5	<1	0.3	147		Soil	Log roadOB Depth - 01.5 Both KSB/KSBS float.
PM-1	628933	5548515	349	0.6	<0.1	4	<0.5	<1	0.7	154		Soil	Log RoadOB Depth - 00.5
PM-10	629384	5548368	437	0.4	0.1	5	<0.5	<1	1.3	132		Soil	Log RoadOB Depth - 01.5
PM-11	629438	5548370	467	0.4	0.1	7	<0.5	<1	1.7	166		Soil	Log RoadOB Depth - 01.0 Float - PIMA sample

2001 Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PM-12	629495	5548365	716	0.6	0.1	4	<0.5	<1	0.6	161		Soil	Log RoadOB Depth - 01.0
PM-13	629554	5548351	662	0.4	0.1	4	<0.5	<1	1.3	141		Soil	Log RoadOB Depth - 01.0
PM-14	629614	5548332	538	0.5	0.1	4	<0.5	<1	1.0	98		Soil	Log RoadOB Depth - 00.5
PM-15	629663	5548314	818	0.4	<0.1	5	<0.5	<1	0.8	92		Soil	Log RoadOB Depth - 00.5
PM-16	629718	5548306	587	0.6	0.1	3	<0.5	<1	1.0	100		Soil	Log RoadOB Depth - 01.0
PM-17	629741	5548244	728	0.7	<0.1	9	<0.5	<1	3.7	293		Soil	Log RoadOB Depth - 01.0
PM-18	629829	5548231	771	0.5	<0.1	2	<0.5	<1	0.5	121		Soil	Log RoadOB Depth - 01.0
PM-19	629877	5548202	909	0.6	<0.1	2	<0.5	<1	0.6	127		Soil	Log RoadOB Depth - 01.0
PM-2	628979	5548489	460	0.4	0.1	2	<0.5	<1	1.3	131		Soil	Log RoadOB Depth - 01.0
PM-20	629929	5548176	633	0.6	<0.1	5	<0.5	<1	1.2	127		Soil	Log RoadOB Depth - 00.5
PM-21	629972	5548141	351	0.3	0.1	3	<0.5	<1	0.7	122		Soil	Log RoadOB Depth - 01.0
PM-22	630011	5548090	425	0.4	<0.1	4	<0.5	<1	0.5	146		Soil	Log RoadOB Depth - 01.0
PM-23	630056	5548049	453	0.5	0.1	5	<0.5	<1	1.6	124		Soil	Log RoadOB Depth - 01.0
PM-24	630095	5548020	531	0.6	<0.1	2	<0.5	<1	3.7	167		Soil	Log RoadOB Depth - 01.0
PM-25	630143	5547993	395	0.5	<0.1	3	<0.5	<1	0.7	120		Soil	Log RoadOB Depth - 01.0
PM-26	630191	5547960	684	0.7	<0.1	2	<0.5	<1	1.6	152		Soil	Log RoadOB Depth - 00.5
PM-27	630269	5547923	525	1.0	0.1	9	<0.5	<1	11.1	259		Soil	Log RoadOB Depth - 00.5 Float - PIMA sample
PM-28	630252	5547877	272	0.7	<0.1	7	<0.5	<1	0.9	307		Soil	Log RoadOB Depth - 00.5 Outcrop PIMA sample
PM-29	630201	5547852	547	0.8	<0.1	4	<0.5	<1	0.2	331		Soil	Log RoadOB Depth - 00.5
PM-3	629028	5548449	538	0.4	0.1	4	<0.5	<1	1.5	187		Soil	Log RoadOB Depth - 01.0 Outcrop - PIMA sample
PM-30	630202	5547808	562	0.8	0.1	7	<0.5	<1	1.3	301		Soil	Log RoadOB Depth - 00.5
PM-31	630263	5547777	636	0.6	0.1	5	<0.5	<1	1.0	220		Soil	Log RoadOB Depth - 01.0
PM-32	630296	5547758	459	0.8	<0.1	7	<0.5	<1	0.4	352		Soil	Log RoadOB Depth - 01.0 Outcrop - PIMA sample
PM-33	630335	5547713	746	0.8	0.1	6	<0.5	<1	0.8	322		Soil	Log RoadOB Depth - 01.5
PM-34	630284	5547662	525	0.7	<0.1	8	<0.5	<1	0.8	162		Soil	Log RoadOB Depth - 02.0
PM-35	630241	5547679	328	0.7	<0.1	4	<0.5	<1	0.5	149		Soil	Log RoadOB Depth - 00.5
PM-36	630196	5547706	427	0.7	<0.1	4	<0.5	<1	0.8	161		Soil	Log RoadOB Depth - 01.5
PM-37	630145	5547735	711	0.6	<0.1	6	<0.5	<1	1.4	162		Soil	Log RoadOB Depth - 03.0
PM-38	630113	5547771	775	0.7	0.1	7	<0.5	<1	1.1	294		Soil	Log RoadOB Depth - 01.0
PM-39	630068	5547809	759	0.9	0.1	9	<0.5	<1	1.5	202		Soil	Log RoadOB Depth - 02.0
PM-4	629071	5548413	885	0.5	0.1	3	<0.5	<1	2.8	768		Soil	Log RoadOB Depth - 02.0
PM-40	630021	5547831	520	0.8	0.1	8	<0.5	<1	15.3	166		Soil	Log RoadOB Depth - 02.0
PM-41	629974	5547864	568	1.3	0.1	5	<0.5	<1	0.9	226		Soil	Log RoadOB Depth - 01.5
PM-42	629937	5547906	475	0.5	0.1	6	<0.5	<1	0.4	229		Soil	Log RoadOB Depth - 02.0
PM-43	629885	5547913	957	0.8	0.1	6	<0.5	<1	2.4	103		Soil	Log RoadOB Depth - 02.5
PM-44	629832	5547901	745	0.7	<0.1	8	<0.5	<1	1.3	230		Soil	Log RoadOB Depth - 04.0
PM-45	629785	5547887	991	0.7	0.1	3	<0.5	<1	0.8	335		Soil	Log RoadOB Depth - 01.0
PM-46	629722	5547884	945	1.0	0.1	5	<0.5	<1	0.3	447		Soil	Log RoadOB Depth - 01.0
PM-47	629683	5547927	923	0.8	0.1	6	<0.5	<1	0.8	545		Soil	Log RoadOB Depth - 01.0
PM-48	629679	5547979	661	0.8	0.1	4	<0.5	<1	0.5	462		Soil	Log RoadOB Depth - 01.0
PM-49	629679	5548027	1079	2.4	0.3	14	1.0	<1	1.1	560		Soil	Log RoadOB Depth - 01.0 Outcop - PIMA sample
PM-5	629115	5548381	589	0.7	0.1	5	<0.5	<1	1.0	326		Soil	Log RoadOB Depth - 01.0 Outcrop - PIMA sample
PM-50	629672	5548087	662	0.7	0.1	3	<0.5	<1	0.4	290		Soil	Log RoadOB Depth - 00.5
PM-51	629698	5548120	534	0.7	0.1	4	0.5	<1	0.9	178		Soil	Log RoadOB Depth - 01.0
PM-52	629728	5548177	430	0.5	0.1	6	<0.5	<1	0.9	160		Soil	Log RoadOB Depth - 00.5
PM-53	630354	5547687	408	0.7	<0.1	9	<0.5	<1	1.8	226		Soil	Log RoadOB Depth - 01.0
PM-54	630407	5547665	352	0.6	<0.1	6	<0.5	<1	1.3	163		Soil	Log RoadOB Depth - 01.0
PM-55	630464	5547681	559	0.5	<0.1	6	<0.5	<1	1.2	128		Soil	Log RoadOB Depth - 02.0

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SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PM-56	630511	5547709	277	0.3	0.1	3	<0.5	<1	1.8	100		Soil	Log RoadOB Depth - 02.5
PM-57	630559	5547731	343	0.6	<0.1	6	<0.5	<1	2.8	270		Soil	Log RoadOB Depth - 02.0
PM-58	630617	5547747	370	0.6	0.1	6	<0.5	<1	1.9	235		Soil	Log RoadOB Depth - 02.0
PM-59	630654	5547798	371	0.5	0.1	4	<0.5	<1	2.9	438		Soil	Log RoadOB Depth - 02.0
PM-6	629156	5548343	502	0.5	0.1	4	<0.5	<1	1.8	256		Soil	Log RoadOB Depth - 01.5
PM-60	630712	5547809	283	0.4	0.1	3	<0.5	<1	0.9	298		Soil	Log RoadOB Depth - 03.0
PM-61	630744	5547835	341	0.4	0.1	3	<0.5	<1	0.9	298		Soil	Log RoadOB Depth - 01.5
PM-62	630783	5547861	387	0.5	0.1	5	<0.5	<1	1.0	257		Soil	Log RoadOB Depth - 02.0
PM-63	630835	5547857	408	0.6	0.1	5	<0.5	<1	0.9	287		Soil	Log RoadOB Depth - 01.0
PM-64	630811	5547816	606	0.4	<0.1	2	<0.5	<1	0.8	215		Soil	Log RoadOB Depth - 00.5
PM-65	630793	5547765	455	0.4	0.1	3	<0.5	<1	1.7	218		Soil	Log RoadOB Depth - 00.5
PM-66	630804	5547710	423	0.4	0.1	2	<0.5	<1	1.2	198		Soil	Log RoadOB Depth - 00.5
PM-67	630824	5547660	404	0.4	0.1	2	<0.5	<1	0.4	176		Soil	Log RoadOB Depth - 00.5
PM-68	630836	5547609	405	0.4	<0.1	2	<0.5	<1	0.6	141		Soil	Log RoadOB Depth - 01.0
PM-69	630822	5547552	489	0.5	0.1	4	<0.5	<1	0.9	203		Soil	Log RoadOB Depth - 01.5
PM-7	629214	5548326	408	0.6	<0.1	2	<0.5	<1	0.8	157		Soil	Log RoadOB Depth - 01.0
PM-70	630800	5547503	509	0.5	0.1	3	<0.5	<1	1.7	168		Soil	Log RoadOB Depth - 02.0
PM-71	630781	5547449	459	0.5	<0.1	3	<0.5	<1	0.7	146		Soil	Log RoadOB Depth - 00.5
PM-72	630752	5547407	813	0.5	<0.1	3	<0.5	<1	0.6	200		Soil	Log RoadOB Depth - 01.5
PM-73	630711	5547361	428	0.4	<0.1	2	<0.5	<1	0.7	166		Soil	Log RoadOB Depth - 01.5
PM-74	630700	5547305	483	0.5	<0.1	2	<0.5	<1	0.4	169		Soil	Log RoadOB Depth - 01.5
PM-75	630695	5547254	413	0.5	<0.1	5	<0.5	<1	1.3	140		Soil	Log RoadOB Depth - 02.0
PM-76	630648	5547252	283	0.5	0.1	3	<0.5	<1	0.3	229		Soil	Log RoadOB Depth - 00.5
PM-77	630600	5547287	437	0.5	<0.1	3	<0.5	<1	0.4	205		Soil	Log RoadOB Depth - 01.0
PM-78	630591	5547251	322	0.6	<0.1	4	<0.5	<1	0.9	168		Soil	Log RoadOB Depth - 01.0
PM-79	630606	5547199	385	0.5	<0.1	4	<0.5	<1	0.5	178		Soil	Log RoadOB Depth - 02.0
PM-8	629271	5548339	543	0.5	<0.1	5	<0.5	<1	1.8	117		Soil	Log RoadOB Depth - 02.5
PM-80	630632	5547142	389	0.5	<0.1	3	<0.5	<1	8.5	186		Soil	Log RoadOB Depth - 02.0
PM-81	630668	5547116	352	0.5	<0.1	4	<0.5	<1	1.4	194		Soil	Log RoadOB Depth - 01.5
PM-82	630702	5547081	381	0.5	<0.1	5	<0.5	<1	1.9	162		Soil	Log RoadOB Depth - 02.0 Float -PIMA sample
PM-9	629329	5548355	637	0.5	<0.1	4	<0.5	<1	1.3	203		Soil	Log RoadOB Depth - 02.0
PW-1	628818	5550165	787	0.5	0.1	2	<0.5	<1	0.3	124		Soil	Log RoadOB Depth - 02.0 KSBS float
PW-10	628940	5549764	829	0.5	<0.1	5	<0.5	<1	0.3	134		Soil	Log RoadOB Depth - 01.0 FP oc CaCo3 stkwrk - PIMA
PW-100	627615	5548968	401	0.5	0.1	4	0.5	<1	39.8	123		Soil	Log RoadOB Depth - 01.0
PW-101	627605	5548932	442	0.5	0.2	9	0.6	<1	110	124		Soil	Log RoadOB Depth - 02.0
PW-102	627555	5548886	584	0.5	0.1	7	0.6	<1	9.3	113		Soil	Log RoadOB Depth - 02.5
PW-103	627516	5548868	397	0.4	0.1	4	0.5	<1	3.4	109		Soil	Log RoadOB Depth - 02.5
PW-104	627471	5548846	348	0.4	0.1	4	<0.5	<1	2.6	114		Soil	Log RoadOB Depth - 02.5
PW-105	627424	5548840	379	0.4	<0.1	3	<0.5	<1	2.4	113		Soil	Log RoadOB Depth - 04.0 Ang alt KSBS float
PW-106	627377	5548821	659	0.5	<0.1	2	<0.5	<1	0.8	149		Soil	Log RoadOB Depth - 04.0
PW-107	627409	5548762	409	0.4	0.1	2	<0.5	<1	7.8	75		Soil	Log RoadOB Depth - 01.0
PW-108	627457	5548756	614	0.4	<0.1	4	<0.5	<1	2.8	178		Soil	Log RoadOB Depth - 02.0 Brn rusty soil
PW-109	627508	5548742	526	0.4	0.1	5	<0.5	<1	6.3	111		Soil	Log RoadOB Depth - 02.0
PW-11	628953	5549727	698	0.6	<0.1	2	<0.5	<1	0.5	171		Soil	Log RoadOB Depth - 01.0 KSBS float
PW-110	627560	5548728	506	0.4	0.1	6	<0.5	<1	11.4	114		Soil	Log RoadOB Depth - 03.0
PW-111	628179	5549474	725	0.9	0.1	3	<0.5	<1	1	174		Soil	LandingOB Depth - ? KSBS float
PW-112	628160	5549402	861	0.4	0.1	5	<0.5	<1	5.3	153		Soil	Log roadOB Depth - ?
PW-113	628086	5549138	361	0.8	<0.1	4	0.7	<1	16.4	106		Soil	Log roadOB Depth - 04.0 Everything

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SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PW-114	628064	5549072	430	0.7	<0.1	7	0.7	<1	9.5	141		Soil	Log roadOB Depth - 02.0 Everything MC-R38
PW-115	628028	5549007	489	0.6	0.1	8	0.6	<1	27.1	135		Soil	Log roadOB Depth - 02.5 Everything
PW-116	628027	5548965	559	0.6	0.1	8	0.6	<1	28.2	143		Soil	Log roadOB Depth - 02.0 Everything
PW-117	628014	5548912	489	0.6	0.1	5	0.5	<1	5.3	115		Soil	Log roadOB Depth - 01.0 Everything - more Qtz chips than usual
PW-118	628008	5548869	593	0.5	0.1	5	<0.5	<1	6.9	113		Soil	Log roadOB Depth - 01.0 Everything - big silica replaced float
PW-119	628006	5548833	622	0.8	0.1	4	<0.5	<1	1.9	161		Soil	Log roadOB Depth - 01.0 Everything - MC-R37
PW-12	628947	5549665	1004	0.4	<0.1	2	<0.5	<1	0.6	168		Soil	Log RoadOB Depth - 02.0 KSBS float
PW-120	627996	5548805	454	0.5	0.2	8	0.5	<1	13	254		Soil	Log roadOB Depth - 01.0 Everything
PW-121	627818	5548521	854	0.6	0.1	5	<0.5	<1	7.4	198		Soil	Log roadOB Depth - 01.0 Everything
PW-122	627799	5548480	881	0.5	0.1	4	<0.5	<1	10.7	157		Soil	Log roadOB Depth - 01.0 Everything
PW-123	627774	5548449	758	0.5	0.1	4	<0.5	<1	2	160		Soil	Log roadOB Depth - 02.0 Everything
PW-124	628952	5547939	821	0.9	<0.1	4	<0.5	<1	0.3	284		Soil	Log roadOB Depth - 03.0 Alt ang KSBS float
PW-125	628916	5547975	308	1.2	<0.1	7	<0.5	<1	0.9	356		Soil	Log roadOB Depth - 03.0 Alt ang KSBS float
PW-126	628886	5548002	436	0.6	<0.1	4	<0.5	<1	<0.2	239		Soil	Log roadOB Depth - 03.0 Alt ang KSBS float
PW-127	628859	5548048	557	0.7	<0.1	4	<0.5	<1	<0.2	311		Soil	Log roadOB Depth - 01.0 Alt ang KSBS float
PW-128	628834	5548074	583	0.6	<0.1	3	<0.5	<1	1.9	212		Soil	Log roadOB Depth - 01.0 Alt ang KSBS float
PW-129	628807	5548116	414	0.7	<0.1	5	<0.5	<1	4.5	269		Soil	Log roadOB Depth - 01.5 Alt ang KSBS float
PW-13	628901	5549640	671	0.4	<0.1	1	<0.5	<1	0.6	102		Soil	Log RoadOB Depth - 02.0 KSBS float
PW-130	628767	5548145	405	0.4	<0.1	4	<0.5	<1	0.4	233		Soil	Log roadOB Depth - 01.5 Alt ang KSBS float
PW-131	628724	5548167	390	0.8	<0.1	5	<0.5	<1	0.7	238		Soil	Log roadOB Depth - 01.5 Alt ang KSBS float
PW-132	628668	5548187	519	0.8	<0.1	4	<0.5	<1	0.6	261		Soil	Log roadOB Depth - 01.5 Alt ang KSBS float
PW-133	628631	5548209	576	0.9	0.1	6	<0.5	<1	0.5	245		Soil	Log roadOB Depth - 01.5 Alt ang KSBS float
PW-134	630539	5547306	412	0.6	<0.1	4	<0.5	<1	0.5	162		Soil	Log roadOB Depth - 01.0 Everything
PW-135	630501	5547336	435	0.6	<0.1	3	<0.5	<1	0.7	178		Soil	Log roadOB Depth - 01.5 Everything
PW-136	630454	5547349	876	0.9	<0.1	2	<0.5	<1	0.5	287		Soil	Log roadOB Depth - 02.0 ang KSBS float
PW-137	630411	5547363	720	0.7	<0.1	3	<0.5	<1	1.2	222		Soil	Log roadOB Depth - 01.0 Everything
PW-138	630365	5547367	503	0.5	<0.1	5	<0.5	<1	0.8	166		Soil	Log roadOB Depth - 01.5 Everything
PW-139	630319	5547375	415	0.6	<0.1	3	<0.5	<1	0.4	136		Soil	Log roadOB Depth - 01.5 Everything
PW-14	628857	5549653	437	0.4	<0.1	1	<0.5	<1	0.3	101		Soil	Log RoadOB Depth - 01.0 KSBS oc PIMA
PW-140	630277	5547393	752	0.4	0.1	2	<0.5	<1	11.1	224		Soil	Log roadOB Depth - 01.5 Everything
PW-141	630249	5547419	360	0.6	<0.1	5	<0.5	<1	0.9	174		Soil	Log roadOB Depth - 02.0 Everything
PW-142	630214	5547450	372	0.5	<0.1	4	<0.5	<1	1.3	173		Soil	Log roadOB Depth - 02.0 Everything
PW-143	630178	5547478	619	0.7	<0.1	4	<0.5	<1	7.3	192		Soil	Log roadOB Depth - 02.0 Everything
PW-144	630137	5547512	659	0.7	<0.1	4	<0.5	<1	1.2	236		Soil	Log roadOB Depth - ? Everything
PW-145	630102	5547542	532	0.7	<0.1	3	<0.5	<1	0.5	203		Soil	Log roadOB Depth - 01.5 Everything
PW-146	630062	5547573	761	0.8	0.1	4	<0.5	<1	0.7	265		Soil	Log roadOB Depth - ? Everything
PW-147	630029	5547606	581	0.9	0.1	3	<0.5	<1	0.5	186		Soil	Log roadOB Depth - ? Everything
PW-148	629989	5547638	522	0.7	<0.1	4	<0.5	<1	0.2	228		Soil	Log roadOB Depth - 02.0 Ang KSB float
PW-149	629958	5547675	591	0.7	0.1	6	<0.5	<1	1.1	303		Soil	Log roadOB Depth - 01.0 Ang KSB float
PW-15	628817	5549652	729	0.5	<0.1	2	<0.5	<1	1.1	168		Soil	Log RoadOB Depth - 01.0 KSBS float
PW-150	629916	5547681	762	0.7	0.1	5	<0.5	<1	1.3	288		Soil	Log roadOB Depth - 03.0 KSb subcrop
PW-151	629870	5547677	999	1.1	0.1	4	<0.5	<1	0.2	448		Soil	Log roadOB Depth - 01.5 KSb subcrop
PW-152	629810	5547670	599	0.7	<0.1	5	<0.5	<1	9.2	270		Soil	Log roadOB Depth - 00.0 KSb subcrop
PW-153	629761	5547655	373	0.9	0.1	4	<0.5	<1	0.6	304		Soil	Log roadOB Depth - 00.0 Banded Si in matrix of KSb breccia
PW-16	628757	5549623	762	0.7	0.1	2	<0.5	<1	0.3	100		Soil	Log RoadOB Depth - 01.0 KSBS float
PW-17	628708	5549606	396	0.5	0.1	1	<0.5	<1	0.3	106		Soil	Log RoadOB Depth - 01.0 KSBS float
PW-18	628661	5549591	597	0.6	0.1	3	<0.5	<1	1	138		Soil	Log RoadOB Depth - 01.0 KSBS float
PW-19	628612	5549564	681	0.6	<0.1	6	0.5	<1	1.7	181		Soil	LandingOB Depth - 01.0 KSBS float + Qtz chips

2001 Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PW-2	628850	5550127	857	0.6	0.1	3	<0.5	<1	3.7	120		Soil	Log RoadOB Depth - 02.0 KSBS float
PW-20	628568	5549570	504	0.8	<0.1	4	0.5	<1	0.9	153		Soil	Log RoadOB Depth - 03.0 KSB KSBS float
PW-21	628523	5549579	522	0.8	0.1	3	<0.5	<1	1.1	160		Soil	Log RoadOB Depth - 02.0 KSB float
PW-22	628539	5549526	744	0.7	<0.1	7	0.7	<1	2.3	199		Soil	Log RoadOB Depth - 02.0 KSB float
PW-23	628541	5549479	607	1	0.1	3	<0.5	<1	3.1	191		Soil	Log RoadOB Depth - 02.0 KSB float
PW-24	628550	5549418	666	0.6	<0.1	5	<0.5	<1	1.4	161		Soil	Log RoadOB Depth - 02.0 KSB float
PW-25	628548	5549385	523	0.6	<0.1	3	<0.5	<1	1.9	156		Soil	Log RoadOB Depth - 02.0 KSB float
PW-26	628587	5549334	594	0.5	<0.1	3	<0.5	<1	1.5	127		Soil	Log RoadOB Depth - 02.0 KSB float
PW-27	628622	5549308	431	0.6	0.1	6	0.5	<1	5.7	141		Soil	Log RoadOB Depth - 02.0 KSB KSBS GDR sparse Qtz float
PW-28	628682	5549306	539	0.7	0.1	5	<0.5	<1	1.4	129		Soil	Log RoadOB Depth - 02.0 KSB KSBS GDR sparse Qtz float
PW-29	628711	5549262	701	0.7	0.1	5	<0.5	<1	0.9	125		Soil	Log RoadOB Depth - 02.0 Soil disturbed by logging
PW-3	628689	5550095	594	0.6	0.1	5	<0.5	<1	1.6	111		Soil	Log RoadOB Depth - 01.0 KSBS subcrop
PW-30	628726	5549216	940	1.1	0.1	10	0.6	<1	1.2	156		Soil	Log RoadOB Depth - 02.0 Sparse Qtz float
PW-31	628730	5549162	674	0.9	0.1	3	<0.5	<1	1	211		Soil	Log RoadOB Depth - 02.0 Soil disturbed by logging
PW-32	628744	5549122	819	0.7	<0.1	8	<0.5	<1	1	104		Soil	Log RoadOB Depth - 05.0 KSBS float
PW-33	628719	5549055	622	0.8	<0.1	6	<0.5	<1	0.3	133		Soil	Log RoadOB Depth - 03.0 ang KSBS float
PW-34	628696	5549019	380	0.7	<0.1	4	<0.5	<1	0.2	115		Soil	Log RoadOB Depth - 01.5 ang KSBS float + sparse Qtz
PW-35	628663	5548993	440	0.6	<0.1	7	<0.5	<1	2.1	115		Soil	Log RoadOB Depth - 04.0 round KSBS GDR
PW-36	628614	5548972	504	0.6	<0.1	8	<0.5	<1	4.2	112		Soil	Log RoadOB Depth - 05.0 round KSBS GDR
PW-37	628586	5548954	433	0.7	<0.1	5	<0.5	<1	0.7	101		Soil	Log RoadOB Depth - 04.0 round KSBS GDR
PW-38	628514	5548940	550	0.8	0.1	6	<0.5	<1	0.8	143		Soil	Log RoadOB Depth - 02.0 KSBS KSB float
PW-39	628482	5548921	378	0.5	0.1	5	<0.5	<1	2.5	120		Soil	Log RoadOB Depth - 04.0 KSBS GDR sparse Qtz chips
PW-4	628888	5550046	760	0.6	0.1	4	<0.5	<1	0.3	169		Soil	Log RoadOB Depth - 01.0
PW-40	628378	5548890	456	0.5	0.1	4	<0.5	<1	8.3	228		Soil	Log RoadOB Depth - 04.0 KSBS GDR sparse Qtz chips
PW-41	628337	5548886	455	0.6	<0.1	4	<0.5	<1	2	156		Soil	Log RoadOB Depth - 01.0 Alt KSBS sparse Qtz chips
PW-42	628291	5548864	362	0.5	0.1	5	<0.5	<1	3.5	140		Soil	Log RoadOB Depth - 05.0 Alt KSBS sparse Qtz chips
PW-43	628239	5548836	470	0.5	0.1	5	0.5	<1	2.4	136		Soil	Log RoadOB Depth - 03.0 KSB KSS GDR float
PW-44	628233	5548812	862	0.7	0.1	3	<0.5	<1	5.8	187		Soil	Log RoadOB Depth - 02.0 KSBS oc PIMA
PW-45	628183	5548789	624	0.5	0.1	8	<0.5	<1	9.4	192		Soil	Log RoadOB Depth - 01.0 KSB KSBS float
PW-46	628138	5548742	858	0.8	0.1	4	<0.5	<1	0.9	363		Soil	Log RoadOB Depth - 02.0 KSB KSBS float Qtz chips
PW-47	628113	5548720	614	0.6	0.1	6	<0.5	<1	2.5	376		Soil	Log RoadOB Depth - 01.5 Grey clay alt KSBS and KSB float
PW-48	628074	5548697	560	0.4	<0.1	3	<0.5	<1	0.4	505		Soil	Log RoadOB Depth - 00.2 Alt KSBS oc PIMA
PW-49	627963	5548727	1093	0.9	<0.1	19	<0.5	<1	1.3	278		Soil	Log RoadOB Depth - 01.5 Alt KSBS subcrop
PW-5	628901	5550004	594	1	<0.1	2	<0.5	<1	<0.2	121		Soil	Log RoadOB Depth - 02.0
PW-50	627955	5548688	379	0.6	0.1	6	0.7	<1	14.7	141		Soil	Log RoadOB Depth - 00.2 Alt FP oc Qtz chips PIMA
PW-51	627914	5548738	576	0.6	0.2	10	0.7	<1	81	145		Soil	Log RoadOB Depth - 01.5 Alt FP ang float and sparse Qtz chips
PW-52	627817	5548767	359	0.5	<0.1	8	0.6	<1	20	194		Soil	Log RoadOB Depth - 00.6 FP oc and Qtz chips PIMA
PW-53	627780	5548796	482	0.5	0.1	8	0.7	<1	36.5	116		Soil	Log RoadOB Depth - 02.0 GDR KSB float
PW-54	627741	5548835	416	0.5	0.1	8	0.7	<1	45.4	122		Soil	Log RoadOB Depth - 03.0 Everything+Qtz chips MC-R57
PW-55	627712	5548810	450	0.7	0.1	2	<0.5	<1	0.7	108		Soil	Log RoadOB Depth - 03.0 KSBS float
PW-56	627728	5548777	613	0.5	0.2	9	0.6	<1	81.6	133		Soil	Log RoadOB Depth - 01.0 Alt ang KSBS KSb float
PW-57	627761	5548708	385	0.5	0.2	6	0.7	<1	16.1	123		Soil	Log RoadOB Depth - 02.0 Alt KSBS Qtz chips PIMA
PW-58	627777	5548662	643	0.5	0.1	11	0.7	<1	18.2	124		Soil	Log RoadOB Depth - 02.5 Alt FP Qtz chips
PW-59	627793	5548616	683	0.4	0.2	5	<0.5	<1	23.1	187		Soil	Log RoadOB Depth - 01.0 Everything
PW-6	628915	5549992	2004	0.7	<0.1	2	<0.5	<1	<0.2	110		Soil	Log RoadOB Depth - 01.0 KSBS oc Qtz in vugs- PIMA
PW-60	627803	5548565	333	0.4	0.2	8	0.6	<1	13	160		Soil	Log RoadOB Depth - 01.0 Everything
PW-61	627563	5550230	343	0.4	<0.1	2	<0.5	<1	0.2	142		Soil	Log RoadOB Depth - 01.5 Round KSB KSBS GDR
PW-62	627594	5550209	507	0.4	<0.1	4	<0.5	<1	0.5	161		Soil	Log RoadOB Depth - 01.5 Disturbed

2001 Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PW-63	627672	5550132	345	0.4	<0.1	3	<0.5	<1	0.8	148		Soil	Log RoadOB Depth - 02.0 CG SS Basalt float
PW-64	627708	5550103	407	0.4	<0.1	4	<0.5	<1	0.3	160		Soil	Log RoadOB Depth - 02.0 Everything
PW-65	627739	5550072	563	0.4	<0.1	6	0.5	<1	2.2	145		Soil	Log RoadOB Depth - 03.0 Everything
PW-66	627774	5550039	586	0.4	<0.1	5	<0.5	<1	1.6	125		Soil	Log RoadOB Depth - 01.5 Everything
PW-67	627736	5550032	746	0.7	0.1	5	0.5	<1	2.3	137		Soil	Log RoadOB Depth - 01.5 Everything - disturbed
PW-68	627689	5550035	610	0.6	<0.1	5	<0.5	<1	1.6	138		Soil	Log RoadOB Depth - 03.0 Everything
PW-69	627665	5549993	422	0.4	<0.1	4	<0.5	<1	1.5	133		Soil	Log RoadOB Depth - 02.0 Everything
PW-7	628929	5549919	707	0.6	<0.1	3	<0.5	<1	0.2	181		Soil	Log RoadOB Depth - 01.0 KSBS oc
PW-70	627659	5549947	490	0.4	0.1	5	0.5	<1	11.5	132		Soil	Log RoadOB Depth - 02.0 Everything
PW-71	627656	5549897	675	0.7	0.1	4	<0.5	<1	0.6	141		Soil	Log RoadOB Depth - 02.0 Everything - black soil
PW-72	627663	5549856	518	0.4	0.1	6	<0.5	<1	1.4	129		Soil	Log RoadOB Depth - 02.0 Everything
PW-73	627666	5549811	806	0.6	0.1	6	<0.5	<1	0.9	132		Soil	Log RoadOB Depth - 02.0 Everything
PW-74	627663	5549761	580	0.6	<0.1	5	<0.5	<1	0.9	143		Soil	Log RoadOB Depth - 01.5 Everything
PW-75	627658	5549710	544	0.4	<0.1	9	0.5	<1	5	135		Soil	Log RoadOB Depth - 01.5 Everything
PW-76	627633	5549639	460	0.6	0.1	4	<0.5	<1	2.4	119		Soil	Log RoadOB Depth - 01.5 Everything
PW-77	627628	5549601	669	0.6	0.1	3	<0.5	<1	2.4	163		Soil	Log RoadOB Depth - 01.5 Everything
PW-78	627618	5549550	641	0.4	0.2	12	0.9	<1	141	122		Soil	Log RoadOB Depth - 02.0 Everything
PW-79	627600	5549511	627	0.4	0.1	11	0.7	<1	23.2	139		Soil	Log RoadOB Depth - 02.0 Everything -Pyritic KSBS float
PW-8	628966	5549853	824	0.5	<0.1	3	<0.5	<1	0.4	176		Soil	Log RoadOB Depth - 02.0 Took sample 30m W
PW-80	627577	5549467	396	0.4	0.1	6	0.6	<1	7.7	144		Soil	Log RoadOB Depth - 01.0 Everything
PW-81	627556	5549432	831	0.6	0.1	10	0.9	<1	14.8	131		Soil	Log RoadOB Depth - 02.0 Everything
PW-82	627531	5549386	488	0.4	0.1	5	0.5	<1	4	124		Soil	Log RoadOB Depth - 02.0 Everything
PW-83	627501	5549355	525	1	<0.1	2	<0.5	<1	0.3	118		Soil	Log RoadOB Depth - 01.0 KSBS GDR round float
PW-84	627477	5549307	364	0.4	0.1	3	<0.5	<1	1.3	141		Soil	Log RoadOB Depth - 02.0 Everything - some arg alt KSBS float
PW-85	627453	5549286	540	0.4	0.1	3	<0.5	<1	0.8	122		Soil	Log RoadOB Depth - 02.0 Everything - some arg alt KSBS float
PW-86	627410	5549256	489	0.4	0.1	4	0.5	<1	1.6	129		Soil	Log RoadOB Depth - 02.0 Everything
PW-87	627370	5549223	526	0.4	0.1	5	0.5	<1	2.8	207		Soil	Log RoadOB Depth - 03.0 Everything
PW-88	627355	5549158	637	1.1	0.1	4	<0.5	<1	0.7	211		Soil	Log RoadOB Depth - ? Everything
PW-89	627404	5549180	607	0.6	0.1	6	<0.5	<1	2.5	156		Soil	Log RoadOB Depth - 03.0 Everything MC-35
PW-9	628945	5549800	453	0.6	<0.1	2	<0.5	<1	0.5	95		Soil	Log RoadOB Depth - ? KSBS Qtz stkwrk - PIMA
PW-90	627452	5549196	505	0.6	0.1	3	<0.5	<1	1.6	115		Soil	Log RoadOB Depth - 02.0 Everything
PW-91	627503	5549195	752	0.4	0.2	5	<0.5	<1	1.8	231		Soil	Log RoadOB Depth - 02.0 Everything
PW-92	627555	5549211	419	0.4	0.1	6	<0.5	<1	2.6	117		Soil	Log RoadOB Depth - 03.0
PW-93	627604	5549222	445	0.4	0.1	6	0.5	<1	33.5	116		Soil	Log RoadOB Depth - 01.0
PW-94	627652	5549237	628	0.4	0.4	9	0.5	<1	39.2	113		Soil	Log RoadOB Depth - 01.0
PW-95	627665	5549208	456	0.6	0.1	8	0.5	<1	8.8	119		Soil	Log RoadOB Depth - 02.0
PW-96	627639	5549132	463	0.3	0.2	6	<0.5	<1	8.5	102		Soil	Log RoadOB Depth - 01.0
PW-97	627625	5549099	402	0.4	0.1	5	<0.5	<1	5.8	140		Soil	Log RoadOB Depth - 01.0
PW-98	627632	5549078	407	0.4	0.1	10	0.7	<1	13.2	128		Soil	Log RoadOB Depth - 02.0
PW-99	627630	5549008	548	0.5	0.1	9	0.6	<1	6.3	122		Soil	Log RoadOB Depth - 01.0
MC-S23	626604	5548399	863	0.6	<0.1	3	<0.5	<1	2	85	Gbr	Soil	Sample string along road cut
MC-S33	626746	5549155	473	0.5	0.1	4	<0.5	<1	0.4	142	Volc	Soil	
MC-S34	628017	5548729	1210	1.4	0.1	40	0.9	<1	7.3	301	Pyroclastic	Soil	Several grabs over 8m, in talus.
MC-S43	627698	5550861	1158	0.5	<0.1	1	<0.5	<1	1.2	62	Basalt	Soil	Inclusions have banded edges and coarse Qtz crystal centers.
MC-S44	627686	5550761	1004	0.5	<0.1	3	<0.5	<1	0.6	95	Cnglm/SS	Soil	Outcrop of Cg Ss w Qtz clasts.

2001 Stream Sediment Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
MC-10	*628436*	*5548798*	*979*	<1	<0.3	*6*	<3		*4*	*166*	*KSB/EP volcs contact zone plus local QFP[?].*	Strm sed	Sand/grv/cobbles atop organic base;<0.5-5.0X0.1-0.2m dry braided chnl.
MC-101	627610	5550337	884	0.4	<0.1	4	<0.5	<1	1	271	Basalt	Strm Sed	Chan 25cm sand silt bed - trickle
MC-102	626306	5550171	612	0.6	0.1	3	<0.5	<1	1.3	152	Dior float	Strm Sed	Chan 25cm dry.Cobble sand bed.
MC-103	*626218*	*5550142*	*584*	0.8	0.1	3	<0.5	<1	1.2	*142*	*Dior float*	*Strm Sed*	*Chan 30cm dry. Sand cobble org bed.*
MC-11	627730	5549070	743	<1	<0.3	7	<3		56	152	KSB/EP volcs contact zone plus local QFP[?].QV float.	Strm sed	Sand/grvl base,v.bldry; 1.5-3.0 X 0.5m, nearly dry.
MC-11-1	627732	5549145	793	0.5	0.1	9	0.6	<1	18.5	157	Volc, dior	Strm Sed	Chan 1.5m sand grvl bouldr bed. Dry
MC-11-2	*627757*	*5549350*	730	0.6	0.1	6	<0.5	<1	4.7	184	*Volc, dior*	*Strm Sed*	*Chan 1.5m sand grvl bouldr bed. Dry. Sparse Qtz frags in crk.*
MC-12	627748	5549055	1081	1	<0.3	7	<3		39	128	Intermed pyroclastics	Strm Sed	Check sample RGS 810.44
MC-13	627670	5550021	733	1	<0.3	2	<3		<2	184	Basalt	Strm Sed	Check sample RGS 810.44
MC-14	627462	5547803	644	<1	<0.3	3	<3		8	123	Basalt some Dior	Strm Sed	Channel 1.5m dry.
MC-82	625441	5550194	657	0.4	<0.1	2	<0.5	<1	3.2	102	Gbr, Dior	Strm Sed	Chan 2.5m lo-mod flow. Bldr cbbl bed.
MC-90	629963	5547304	734	0.6	0.1	3	<0.5	<1	0.8	350	KSB pyroclastic oc	Strm Sed	Chan 80cm sand boulder bed - dry

2001 Rock Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
MC-R13	628499	5548816	181	11	0.7	60	<3		130	164	Epithermal[?]QV,vaguely banded,partly chalcedonic.	Grab,float	Abund angular cavities; opaque white to lt.bluey-gy qtz.
MC-R14	627748	5549055	98	12	3.2	100	<3		696	96	Qtz vein - vuggy and banded	Grab	*Float found in crk bed of RGS813044 crk*
MC-R25	627748	5549055	131	7.4	1.4	18	0.7	<1	655.5	17	Banded Qtz	Grab	Angular qtz frags to 1-4cm found in crk bed. Py bxwrks 2%.
MC-R26	627756	5549085	931	8.6	0.4	36	0.8	<1	11	31	alt'd Volc.[andesite-basalt?].	Grab	Till cover; underlying terrane is KSB volcs?.
MC-R27	627716	5549094	776	0.8	1	12	<0.5	<1	12.8	21	Volc? grey Fg w Qtz vnlt 4mm. Brn weathering	Grab	Float found in crk bed.
MC-R28	627716	5549110	44	6.4	18.9	32	0.6	<1	316	9	QV/bx w/arg-alt'd volc? or intrsv? fgmnts.	Grab	Till cover; underlying terrane is KSB volcs?.
MC-R29	627731	5549175	152	2.8	4.7	126	4.7	<1	653.2	143	QV/bx,some w/colloform banding. Several pcs,one tabular 4X10X12cm.	Grab	*Till cover; underlying terrane is KSB volcs?.*
MC-R30	627736	5549202	105	2.7	1.3	31	<0.5	<1	787.3	6	Qtz white to gry chalcedonic breccia	Grab	Sub ang 15x7x7cm. Contains 10% arg alt frags to 1cm.
MC-R31	627736	5549214	366	6.9	1.2	314	5.2	<1	301.3	10	Strongly alt'd volc bx, mauve-orange colored.	Grab	Till cover; underlying terrane is KSB volcs?.
MC-R32	627820	5549566	59	59.7	2.4	25	0.9	<1	756.3	5	QV/bx,single subang pc 8X9X15cm.	Grab	Till cover; underlying terrane is KSB volcs?.
MC-R33	627823	5549646	22	4.6	48.4	50	8.8	6	43339.7	26	Qtz white to gry chalcedonic breccia	Grab	Sub ang 14x8x10cm. Contains 35% arg alt frags to 1cm.
MC-R34	627490	5549318	363	3.4	0.9	17	<0.5	<1	164	14	QV/bx,single subrnded pc 6X11X11cm.	Grab	*Till cover; underlying terrane is KSB volcs?.*
MC-R35	627395	5549164	57	1.3	0.2	1	<0.5	<1	74	9	Qtz white w mauve silic frags 60%.	Grab	Subround 18x10x7cm. Frags to 5cm. In road bed.
MC-R36	627539	5549208	34	14.5	0.6	104	<0.5	<1	205.8	82	Qtz bx w arg clats 5%.	Grab	Round 15x10x7cm. Frags angular to 0.5cm. 2cm brn weathering rind. In road bed.
MC-R37	628000	5548825	123	14.4	15.9	82	1.1	<1	754.4	22	White to grey Qtz chips taken over 150m	Grab	Chips collected from road bed 1.5-11cm, ang to subround, massive to banded.
MC-R38	628065	5549087	227	10.4	5.2	148	5.6	<1	1742.9	29	White to grey Qtz chips taken over 150m	Grab	Chips collected from road bed 1.5-11cm, ang to subround, massive to banded.
MC-R39	628060	5549195	209	20.5	4.3	88	0.7	<1	659.2	15	*QV/bx,several pcs over 10mX10m area; largest pc 5X8X9cm.*	Grab	*Till cover; underlying terrane is KSB volcs.*
MC-R40	628017	5548729	151	13.9	1.2	11	<0.5	<1	279.2	107	White to grey Qtz chips taken over 50m in area of strong arg alt volcs	Grab	Chips collected from road bed 2-8cm, ang to subround, massive to banded.
MC-R41	628174	5548773	277	4.7	1.3	150	4.5	<1	586	49	White to grey Qtz chips taken over 30m	Grab	Chips collected from road bed 2-11cm, ang to subround, massive to banded.
MC-R42	628290	5548847	262	3	1.5	60	0.9	<1	139.7	39	White to grey Qtz chips taken over 20m	Grab	Chips collected from road bed 2-11cm, ang to subround, massive to banded.
MC-R43	627664	5548920	204	11.3	0.5	68	1.4	<1	203.1	18	Q-mbx bx w/alt'd volc fgmnts, single pc 13X15X23cm.	Grab	Till cover; underlying terrane is KSB volcs?
MC-R44	627460	5548849	100	2.7	0.5	15	<0.5	<1	325.5	8	*White to grey Qtz chips taken over 30m*	Grab	*Chips collected from road bed 3-15cm, ang to subround, massive to banded.*
MC-R55	627686	5550901	151	4.1	<0.1	1	<0.5	<1	0.4	93	Chalcedonic Qtz inclusions to 10cm	Grab	Banded edges and coarse Qtz crystal centers. Smpl taken over 50x50m float
MC-R56	627820	5548772	360	3.7	3	24	0.6	<1	4803.5	49	Qtz chips. White massive, banded, some w cubic bxwrks	Grab	Samples taken over 100m west of FP oc. 1-10cm angular to subangular.
MC-R57	627751	5548820	264	35.1	1.1	130	1.1	<1	322.2	30	Qtz white massive and bx	Grab	Subrounded 10x18x8cm.
MC-R58	627628	5549225	238	4	1.3	17	0.5	<1	234.2	10	Qtz white massive and bx	Grab	Subrounded 10x5x12cm.
MC-R59	627615	5548513	447	13.6	2.3	139	3.8	<1	241.7	28	*Tan brn volc w Qtz stkwrk 10%*	Grab	Subrounded 22x20x15cm. QV ,1-1cm white & grey.
MC-R60	627750	5548460	351	3.5	0.8	31	0.7	<1	89.6	24	QV and Qtz-flooded mafic[?] volc.	Grab	Several pcs over 30m of road ditch- largest 6x6x12 and 4x8x13.
MC-R61	627810	5548511	120	4.3	1	8	<0.5	<1	558.1	10	Qtz	Grab	Subang 10x15x5cm. Massive white to tan.
MC-R62	627816	5548528	182	6.7	1.9	36	0.8	<1	278.8	18	QV and Qbx	Grab	~10 pcs over 20m of roadbed- largest 4x6x7 and 8x8x10.
MC-R63	627742	5548743	238	4.5	3.2	59	0.7	<1	4125.9	16	Qtz ang arg alt volc frags	Grab	Subrnd 12x5x8cm. Minor bxwrks and rusty vugs.
MC-R64	628033	5548717	962	1.7	<0.1	3	<0.5	<1	9.1	123	*KSB pyroclastics*	Grab	pervasive blue-grn and blue-gy silica replacement.
MC-R65	630547	5547707	249	34.5	3	255	5.6	1	919.7	76	Qtz bx and massive Qtz	Grab	5 chips over 50m. 1 frag ang 10x7x5cm Banded clasts in blue grey matrix.
MC-R66	630275	5547668	732	3.2	<0.1	12	<0.5	<1	7.9	342	Chalcedonic Qtz stkwrk in maroon volcs	Grab	Also grey silic volc clasts in vuggy Qtz matrix - FeO. Chips taken over 50m.
MC-R67	631361	5548610	162	2.9	<0.1	<1	<0.5	<1	2.4	21	Amethyst and banded Qtz	Grab	Float in road ditch - 3 pieces to 10x8 cm.
MC-R68	629761	5547650	523	1.8	0.1	63	5.3	1	1.8	183	KSB agglomerate	Grab	Float in road cut 15x5x10cm PW153 soil station
MC-R69	630506	5548106	378	24.4	0.5	32	0.5	<1	38	91	*Qtz-flooded mafic volc*	Grab	multiple stringers-veins up to 3cm thick. Original Sample No.PE-13R.
MC-R70	628014	5548876	244	3.9	7.5	97	4.4	1	1468.2	19	Volc Bx	Grab	Clay alt frags to 3cm in Si matrix

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

Fairfield Minerals Ltd. PROJECT PV01-1 File # A103759 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 ppm	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
G-1	1.0	2	2	39	<.1	7	4	509	1.67	<1	3	<2	5	60	<.2	<.5	<.5	38	.49	.089	8	20	.49	212	.113	1	.81	.061	.48	2	<1	1.5	<1<.02	5	.6
PE-1	.5	13	6	101	.1	22	8	870	2.10	2	<1	<2	1	39	.2	<.5	<.5	63	.35	.089	4	38	.32	275	.121	2	1.80	.023	.12	<1	<1	2.2	<1<.02	6	1.2
PE-2	.7	10	7	109	.1	9	5	1099	1.32	2	<1	<2	2	39	.3	<.5	<.5	33	.31	.060	8	18	.15	233	.042	1	1.07	.013	.08	<1	<1	1.6	<1<.02	4	.5
PE-3	.7	11	6	78	.1	8	6	569	1.45	2	<1	<2	1	50	.2	<.5	<.5	34	.46	.047	10	16	.29	212	.014	3	1.08	.011	.11	<1	<1	2.0	<1 .02	3	.6
PE-4	.3	31	5	69	.1	40	15	800	4.42	7	1	<2	3	64	<.2	<.5	<.5	80	.64	.086	17	54	.66	140	.032	3	2.08	.030	.10	<1	<1	11.8	<1<.02	5	.5
PE-5	.7	27	6	79	.1	35	15	705	3.17	9	1	<2	2	88	<.2	<.5	<.5	82	.60	.068	13	45	.81	154	.050	4	1.66	.026	.10	<1	<1	7.1	<1<.02	5	.8
PE-6	.6	22	5	88	.1	29	11	416	2.80	6	<1	<2	2	58	<.2	<.5	<.5	77	.37	.060	9	45	.54	170	.084	1	1.54	.024	.09	<1	<1	5.0	<1<.02	5	.8
PE-7	.4	36	2	81	.1	53	13	620	4.06	2	<1	<2	2	58	<.2	<.5	<.5	79	.51	.108	13	57	.26	96	.027	1	1.88	.026	.09	<1	<1	11.9	<1<.02	4	<.2
PE-8	.6	16	4	91	.1	30	12	629	2.32	2	<1	<2	1	46	<.2	<.5	<.5	63	.46	.065	6	41	.64	127	.106	2	1.44	.023	.10	<1	<1	3.3	<1<.02	4	.4
PE-9	.5	24	4	68	<.1	47	16	392	3.62	6	1	<2	2	58	<.2	<.5	<.5	97	.44	.079	13	64	.90	147	.168	1	2.08	.033	.13	<1	<1	6.1	<1<.02	6	.3
PE-10	.5	30	4	66	<.1	64	24	660	4.16	2	1	<2	3	66	<.2	<.5	<.5	106	.71	.138	19	24	2.14	155	.293	<1	1.47	.042	.08	<1	<1	4.1	<1<.02	5	.5
PE-11	.6	23	3	67	<.1	52	19	457	3.69	3	<1	<2	2	58	<.2	<.5	<.5	99	.58	.096	14	37	1.44	105	.213	<1	1.87	.035	.12	<1	<1	5.4	<1<.02	5	<.2
PE-12	.5	28	4	77	<.1	65	23	489	4.23	2	1	<2	3	46	<.2	<.5	<.5	104	.60	.138	18	25	1.84	107	.285	<1	1.65	.037	.13	<1	<1	4.3	<1<.02	5	<.2
PE-13	.5	31	4	66	.1	53	19	530	4.04	7	1	<2	2	72	<.2	<.5	<.5	88	.76	.122	18	53	1.23	168	.117	2	2.16	.034	.12	<1	<1	7.9	<1<.02	5	.4
PE-14	.6	26	5	100	.1	41	17	641	3.21	4	1	<2	2	59	<.2	<.5	<.5	85	.72	.054	11	33	1.10	241	.183	4	1.56	.040	.13	<1	<1	4.4	<1<.02	5	.6
RE PE-14	.6	26	5	98	.1	41	17	630	3.16	4	1	<2	2	58	.2	<.5	<.5	85	.68	.053	12	35	1.10	246	.188	3	1.55	.043	.12	<1	<1	4.4	<1 .02	5	.5
PE-15	.9	33	6	76	.1	52	20	664	3.77	11	1	<2	2	76	<.2	<.5	<.5	87	.73	.084	15	45	1.37	279	.134	2	2.00	.037	.13	<1	<1	6.9	<1<.02	5	15.0
PE-16	.5	29	3	70	.1	44	13	392	3.28	6	<1	<2	2	73	<.2	<.5	<.5	92	.66	.123	12	48	.97	131	.135	2	2.11	.035	.14	<1	<1	6.7	<1<.02	6	.7
PE-17	.7	30	5	78	.1	39	15	724	3.35	7	1	<2	2	77	<.2	<.5	<.5	84	.75	.092	16	50	.89	344	.125	3	2.30	.030	.19	<1	<1	7.1	<1 .02	6	9.2
PE-18	.6	30	5	71	.1	36	12	392	3.27	5	1	<2	2	75	<.2	<.5	<.5	91	.60	.081	12	49	.78	256	.137	2	2.23	.030	.13	<1	<1	6.2	<1<.02	6	3.2
PE-19	.6	17	5	78	<.1	25	9	515	2.49	2	<1	<2	1	62	<.2	<.5	<.5	75	.51	.059	6	37	.52	242	.151	2	1.57	.026	.16	<1	<1	3.1	<1<.02	5	1.5
PE-20	.6	34	5	80	.1	31	11	442	2.81	3	1	<2	2	65	<.2	<.5	<.5	83	.66	.063	8	47	.69	433	.122	3	2.27	.017	.16	<1	<1	4.3	<1<.02	7	.3
PE-21	.7	22	4	65	.1	32	11	443	2.78	3	<1	<2	1	63	<.2	<.5	<.5	83	.54	.052	9	52	.52	232	.122	2	2.00	.040	.15	<1	<1	4.3	<1<.02	6	<.2
PE-22	.7	21	4	72	<.1	30	10	522	2.64	4	<1	<2	1	62	<.2	<.5	<.5	73	.55	.071	9	46	.44	235	.115	2	1.91	.026	.13	<1	<1	4.5	<1 .02	5	1.8
PE-23	.6	19	5	98	<.1	36	9	361	2.43	3	<1	<2	2	50	<.2	<.5	<.5	62	.50	.085	6	40	.43	257	.106	2	2.39	.026	.14	<1	<1	3.3	<1<.02	7	.4
PE-24	.6	9	5	97	<.1	19	5	415	1.52	3	<1	<2	1	38	<.2	<.5	<.5	36	.43	.037	5	19	.21	299	.078	2	1.61	.015	.13	<1	<1	1.8	<1<.02	6	.5
PE-25	.5	13	4	62	<.1	19	6	289	1.99	3	<1	<2	1	34	<.2	<.5	<.5	50	.28	.050	4	29	.28	216	.100	1	1.30	.020	.11	<1	<1	2.2	<1<.02	4	.4
PE-26	.4	14	4	89	<.1	26	8	348	2.34	2	<1	<2	1	39	<.2	<.5	<.5	66	.38	.046	6	41	.56	159	.120	1	1.62	.029	.06	<1	<1	3.0	<1<.02	5	1.4
PE-27	.4	20	4	117	.1	34	10	299	2.98	2	<1	<2	2	48	<.2	<.5	<.5	87	.37	.069	5	48	.67	181	.169	2	1.80	.031	.12	<1	<1	3.5	<1<.02	6	1.2
PE-28	.9	15	6	85	.1	19	10	502	2.19	3	<1	<2	1	39	<.2	<.5	<.5	57	.45	.029	5	30	.32	276	.074	2	1.51	.021	.11	<1	<1	2.6	<1 .02	5	.5
PE-29	.5	25	6	79	.1	35	13	565	3.20	3	1	<2	2	59	<.2	<.5	<.5	82	.65	.029	13	50	.72	305	.133	2	2.22	.036	.09	<1	<1	5.5	<1<.02	7	.4
PE-30	.6	23	5	61	.1	30	13	681	2.59	4	1	<2	1	52	<.2	<.5	<.5	70	.52	.050	8	45	.67	212	.109	1	2.11	.027	.13	<1	<1	3.6	<1 .02	6	.4
PE-31	.7	18	5	55	<.1	24	11	582	2.37	2	<1	<2	1	56	<.2	<.5	<.5	70	.54	.042	7	42	.48	185	.128	2	1.76	.028	.15	<1	<1	3.3	<1<.02	5	.4
PE-32	.8	23	5	47	.1	30	12	466	3.12	4	<1	<2	2	63	<.2	<.5	<.5	89	.65	.023	10	48	.58	294	.077	4	1.72	.040	.10	<1	<1	7.2	<1 .02	5	2.4
STANDARD DS3	9.3	121	35	155	.3	35	12	793	3.07	30	7	<2	4	28	5.6	5.1	5.6	78	.52	.092	18	185	.57	151	.088	1	1.78	.031	.16	4	<1	2.7	1 .02	6	21.6

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-ES.
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 AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 23 2001 **DATE REPORT MAILED:** Nov 2/01 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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 ppm	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
G-1	1.1	2	2	42	<.1	7	4	527	1.73	<1	3	<2	5	63	<.2	<.5	<.5	40	.52	.094	7	19	.50	228	.119	<1	.81	.052	.49	2	<1	1.6	<1	<.02	5	<.2
PE-33	.5	17	5	106	<.1	18	7	672	1.90	2	<1	<2	1	54	<.2	<.5	<.5	55	.52	.098	4	34	.25	210	.098	2	1.27	.020	.14	<1	<1	2.8	<1	<.02	4	.3
PE-34	.7	19	5	43	.1	26	10	351	2.60	2	1	<2	1	61	<.2	<.5	<.5	85	.46	.031	8	48	.46	101	.127	1	1.44	.033	.11	<1	<1	3.7	<1	<.02	5	.4
PE-35	.7	17	5	52	<.1	24	10	340	2.74	3	<1	<2	1	53	<.2	<.5	<.5	83	.37	.082	4	44	.41	106	.147	<1	1.57	.023	.13	<1	<1	3.3	<1	<.02	5	.2
PE-36	.5	27	4	58	.1	45	13	321	3.22	5	<1	<2	2	93	<.2	<.5	<.5	101	.50	.133	8	61	.74	138	.130	<1	2.56	.035	.09	<1	<1	5.4	<1	<.02	7	<.2
PE-37	.5	48	5	49	.1	39	14	826	2.92	3	1	<2	1	92	.2	<.5	<.5	81	1.08	.043	21	46	.79	100	.121	3	2.15	.048	.07	<1	<1	5.5	<1	.03	6	.3
PE-38	.6	22	5	44	<.1	28	10	465	2.34	3	1	<2	1	61	<.2	<.5	<.5	71	.60	.063	8	41	.50	94	.117	1	1.74	.025	.12	<1	<1	3.0	<1	<.02	5	<.2
PE-39	.5	15	4	46	<.1	27	9	302	2.40	2	<1	<2	1	57	<.2	<.5	<.5	75	.37	.054	4	45	.46	116	.131	<1	2.02	.029	.10	<1	<1	2.7	<1	<.02	6	.3
PE-40	.6	14	5	74	.1	28	9	633	2.12	2	<1	<2	1	43	<.2	<.5	<.5	60	.29	.101	3	38	.39	133	.120	<1	2.33	.022	.08	<1	<1	2.3	<1	<.02	7	39.3
PE-41	.6	20	5	68	.1	38	12	592	2.83	3	<1	<2	1	69	<.2	<.5	<.5	85	.40	.087	4	54	.54	139	.136	1	2.84	.029	.08	<1	<1	3.6	<1	<.02	7	1.1
PE-42	.5	16	5	37	<.1	25	10	288	2.46	3	<1	<2	1	65	<.2	<.5	<.5	72	.55	.042	5	40	.55	88	.122	2	1.92	.040	.09	<1	<1	3.0	<1	<.02	6	1.3
PE-43	.4	20	5	59	.1	38	12	458	2.97	2	<1	<2	1	75	<.2	<.5	<.5	96	.49	.076	5	61	.57	115	.150	1	2.48	.039	.09	<1	<1	3.5	<1	<.02	7	.7
PE-44	.3	22	6	59	.1	31	11	345	2.47	3	1	<2	1	73	<.2	<.5	<.5	71	.69	.034	9	43	.62	88	.127	1	2.25	.044	.05	<1	<1	3.9	<1	<.02	7	.5
PE-45	.5	26	5	51	.1	44	15	338	3.28	5	<1	<2	2	118	<.2	<.5	<.5	91	.73	.089	9	58	1.16	176	.112	1	2.56	.038	.07	<1	<1	5.9	<1	<.02	7	1.1
PM-1	.6	31	4	60	<.1	51	16	349	3.35	4	<1	<2	1	61	<.2	<.5	<.5	104	.48	.055	7	78	1.20	154	.110	<1	2.83	.025	.08	<1	<1	6.2	<1	<.02	8	.7
PM-2	.4	21	5	77	.1	34	10	460	2.28	2	<1	<2	1	61	<.2	<.5	<.5	63	.47	.054	11	51	.73	131	.097	1	2.56	.025	.08	<1	<1	4.7	<1	<.02	7	1.3
PM-3	.4	25	5	67	.1	38	11	538	2.84	4	1	<2	2	81	<.2	<.5	<.5	80	.66	.076	13	60	.95	187	.092	3	2.22	.035	.09	<1	<1	6.6	<1	<.02	7	1.5
PM-4	.5	16	5	88	.1	21	8	885	2.41	3	<1	<2	1	39	<.2	<.5	<.5	70	.45	.037	9	41	.35	768	.097	3	1.44	.019	.14	<1	<1	5.6	<1	<.02	5	2.8
PM-5	.7	19	6	72	.1	27	12	589	2.66	5	1	<2	2	46	<.2	<.5	<.5	69	.51	.028	11	44	.41	326	.071	4	1.74	.017	.10	<1	<1	6.5	<1	.02	5	1.0
PM-6	.5	25	4	68	.1	32	11	502	2.75	4	1	<2	2	52	<.2	<.5	<.5	81	.49	.062	11	51	.66	256	.093	2	1.97	.025	.12	<1	<1	6.0	<1	<.02	6	1.8
PM-7	.6	16	4	81	<.1	20	6	408	2.22	2	<1	<2	1	49	<.2	<.5	<.5	76	.36	.058	6	40	.30	157	.117	2	1.26	.028	.14	<1	<1	3.6	<1	<.02	4	.8
PM-8	.5	32	4	60	<.1	41	15	543	3.33	5	<1	<2	2	81	<.2	<.5	<.5	88	.63	.075	14	62	.68	117	.057	3	2.03	.036	.10	<1	<1	9.3	<1	<.02	6	1.8
PM-9	.5	25	4	64	<.1	34	12	637	3.24	4	<1	<2	2	69	<.2	<.5	<.5	86	.57	.073	14	54	.56	203	.057	3	1.88	.026	.11	<1	<1	7.3	<1	<.02	5	1.3
RE PM-9	.6	27	3	66	<.1	35	12	617	3.19	4	<1	<2	2	68	<.2	<.5	<.5	85	.58	.074	14	53	.54	204	.056	2	1.80	.034	.11	<1	<1	7.2	<1	<.02	5	1.3
PM-10	.4	26	4	56	.1	41	13	437	3.19	5	1	<2	2	73	<.2	<.5	<.5	85	.74	.058	14	61	1.01	132	.073	3	2.08	.043	.09	<1	<1	8.7	<1	.02	6	1.3
PM-11	.4	29	4	55	.1	45	14	467	3.67	7	1	<2	2	68	<.2	<.5	<.5	93	.81	.086	17	64	.83	166	.031	5	1.81	.038	.08	<1	<1	11.7	<1	.02	6	1.7
PM-12	.6	29	5	111	.1	34	12	716	2.71	4	1	<2	1	89	.2	<.5	<.5	69	1.14	.077	13	41	.68	161	.064	7	1.87	.040	.12	<1	<1	5.8	<1	.07	6	.6
PM-13	.4	31	5	62	.1	40	14	662	3.21	4	1	<2	1	91	<.2	<.5	<.5	82	1.06	.080	14	55	.99	141	.066	7	2.00	.050	.10	<1	<1	7.9	<1	.05	6	1.3
PM-14	.5	24	4	54	.1	41	16	538	3.59	4	<1	<2	2	85	<.2	<.5	<.5	83	.88	.048	13	67	1.15	98	.074	7	1.87	.060	.08	<1	<1	9.7	<1	.03	6	1.0
PM-15	.4	39	4	71	<.1	88	30	818	5.50	5	1	<2	3	63	<.2	<.5	<.5	101	.87	.171	22	57	2.16	92	.144	2	1.74	.031	.05	<1	<1	8.7	<1	<.02	6	.8
PM-16	.6	23	5	80	.1	31	12	587	2.69	3	<1	<2	1	66	<.2	<.5	<.5	76	.68	.043	10	48	.74	100	.119	3	1.73	.050	.08	<1	<1	5.4	<1	.02	5	1.0
PM-17	.7	45	4	76	<.1	81	27	728	5.48	9	1	<2	3	662	<.2	<.5	<.5	119	1.23	.146	23	58	2.08	293	.047	3	4.26	.157	.15	<1	<1	11.6	<1	<.02	11	3.7
PM-18	.5	23	5	75	<.1	51	17	771	3.06	2	<1	<2	1	137	<.2	<.5	<.5	86	.73	.069	9	46	1.29	121	.235	3	2.51	.035	.24	<1	<1	4.5	<1	<.02	7	.5
PM-19	.6	27	5	83	<.1	59	21	909	3.74	2	<1	<2	2	136	<.2	<.5	<.5	98	.76	.096	13	48	1.58	127	.247	1	2.51	.033	.16	<1	<1	5.2	<1	<.02	7	.6
STANDARD DS3	9.1	126	37	157	.3	35	12	786	2.98	31	6	<2	4	30	5.8	5.2	5.8	78	.52	.088	18	182	.58	152	.088	2	1.65	.026	.16	4	<1	2.7	1	.02	6	22.1

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 ppm	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
G-1	1.1	2	2	40	<.1	7	4	497	1.69	<1	2	<2	5	58	<.2	<.5	<.5	40	.47	.095	7	18	.51	216	.116	1	.79	.050	.49	2	<1	1.4	<1	<.02	4	.5
PM-20	.6	30	5	58	<.1	48	18	633	3.18	5	<1	<2	2	114	<.2	<.5	<.5	96	.77	.099	14	59	1.25	127	.128	2	2.29	.041	.13	<1	<1	6.5	<1	<.02	6	1.2
PM-21	.3	24	4	60	.1	30	11	351	2.60	3	<1	<2	2	98	<.2	<.5	<.5	76	.52	.047	10	44	.84	122	.140	1	1.93	.044	.09	<1	<1	4.9	<1	<.02	5	.7
PM-22	.4	34	4	54	<.1	45	16	425	3.36	4	1	<2	2	101	<.2	<.5	<.5	96	.63	.083	13	58	1.22	146	.141	1	2.73	.033	.09	<1	<1	7.0	<1	<.02	7	.5
PM-23	.5	33	4	56	.1	51	18	453	3.60	5	1	<2	2	107	<.2	<.5	<.5	97	.71	.100	16	64	1.26	124	.115	1	2.64	.031	.14	<1	<1	8.5	<1	<.02	7	1.6
PM-24	.6	18	5	73	<.1	27	11	531	2.50	2	<1	<2	1	69	<.2	<.5	<.5	80	.43	.043	7	46	.60	167	.149	1	1.89	.020	.11	<1	<1	4.0	<1	<.02	5	3.7
PM-25	.5	29	4	54	<.1	34	13	395	2.89	3	<1	<2	2	87	<.2	<.5	<.5	85	.55	.064	10	49	.87	120	.151	<1	2.21	.025	.11	<1	<1	5.1	<1	<.02	6	.7
PM-26	.7	17	5	75	<.1	27	11	684	2.46	2	<1	<2	1	71	.2	<.5	<.5	65	.45	.071	11	39	.58	152	.132	<1	2.03	.021	.11	<1	<1	3.5	<1	<.02	6	1.6
PM-27	1.0	27	6	65	.1	30	12	525	2.95	9	1	<2	2	84	<.2	<.5	<.5	74	.54	.073	13	35	.71	259	.064	5	1.95	.023	.14	<1	<1	5.9	<1	<.02	6	11.1
PM-28	.7	51	4	59	<.1	22	10	272	2.92	7	1	<2	2	43	<.2	<.5	<.5	83	.42	.115	10	32	.52	307	.092	1	1.93	.010	.15	<1	<1	3.8	<1	<.02	6	.9
PM-29	.8	25	6	90	<.1	20	10	547	2.63	4	1	<2	2	55	<.2	<.5	<.5	67	.55	.065	15	34	.51	331	.085	4	1.92	.014	.22	<1	<1	5.0	<1	<.02	6	.2
PM-30	.8	30	5	61	.1	41	15	562	3.30	7	1	<2	2	86	<.2	<.5	<.5	93	.64	.098	13	55	1.01	301	.106	1	2.58	.029	.14	<1	<1	7.3	<1	<.02	7	1.3
PM-31	.6	23	6	72	.1	28	11	636	2.81	5	<1	<2	3	64	<.2	<.5	<.5	64	.48	.071	16	36	.61	220	.074	4	1.75	.012	.17	<1	<1	7.0	<1	<.02	5	1.0
PM-32	.8	22	5	64	<.1	23	10	459	2.92	7	<1	<2	3	47	<.2	<.5	<.5	78	.38	.033	12	37	.47	352	.078	3	1.57	.016	.13	<1	<1	5.7	<1	<.02	5	.4
PM-33	.8	30	5	83	.1	36	15	746	3.18	6	<1	<2	2	68	<.2	<.5	<.5	82	.63	.093	12	47	.66	322	.088	3	1.84	.021	.18	<1	<1	6.4	<1	.02	5	.8
PM-34	.7	31	3	47	<.1	40	15	525	2.85	8	<1	<2	2	94	<.2	<.5	<.5	63	.63	.092	16	45	.39	162	.007	4	1.72	.018	.11	<1	<1	7.9	<1	<.02	4	.8
PM-35	.7	27	4	69	<.1	30	10	328	3.01	4	<1	<2	2	63	<.2	<.5	<.5	87	.40	.063	9	58	.53	149	.117	2	1.97	.024	.12	<1	<1	5.0	<1	<.02	6	.5
PM-36	.7	28	3	58	<.1	40	13	427	3.30	4	<1	<2	2	76	<.2	<.5	<.5	90	.52	.064	11	78	.83	161	.079	1	2.58	.036	.12	<1	<1	7.5	<1	<.02	6	.8
PM-37	.6	41	3	60	<.1	51	18	711	4.18	6	<1	<2	2	88	<.2	<.5	<.5	95	.62	.071	12	77	.95	162	.082	1	2.59	.032	.11	<1	<1	9.0	<1	<.02	6	1.4
PM-38	.7	37	4	73	.1	45	18	775	4.19	7	1	<2	2	81	<.2	<.5	<.5	92	.63	.086	13	68	.87	294	.077	2	2.56	.026	.14	<1	<1	8.4	<1	<.02	7	1.1
RE PM-38	.7	38	4	73	.1	46	18	768	4.11	7	1	<2	2	83	<.2	<.5	<.5	91	.62	.088	13	67	.86	294	.083	2	2.62	.027	.13	<1	<1	8.3	<1	<.02	7	.9
PM-39	.9	41	5	61	.1	54	21	759	4.08	9	1	<2	2	97	<.2	<.5	<.5	102	.73	.103	15	61	1.18	202	.109	2	2.58	.026	.15	<1	<1	9.1	<1	<.02	7	1.5
PM-40	.8	35	4	53	.1	38	15	520	3.39	8	<1	<2	2	89	<.2	<.5	<.5	102	.63	.093	13	49	.99	166	.116	2	1.83	.032	.09	<1	<1	6.8	<1	<.02	5	15.3
PM-41	1.3	23	5	81	.1	30	12	568	2.92	5	1	<2	2	81	<.2	<.5	<.5	80	.61	.058	10	48	.70	226	.117	4	1.96	.036	.17	<1	<1	5.4	<1	<.02	6	.9
PM-42	.5	28	4	66	.1	37	14	475	3.26	6	1	<2	2	126	<.2	<.5	<.5	89	.70	.093	13	50	.86	229	.094	2	2.13	.034	.11	<1	<1	6.4	<1	<.02	6	.4
PM-43	.8	63	4	67	.1	64	34	957	4.23	6	<1	<2	2	94	<.2	<.5	<.5	75	.83	.062	12	94	.41	103	.012	1	1.54	.067	.05	<1	<1	14.1	<1	<.02	4	2.4
PM-44	.7	35	6	62	<.1	48	19	745	3.78	8	<1	<2	2	146	<.2	<.5	<.5	98	.88	.115	18	57	1.28	230	.091	2	3.01	.023	.13	<1	<1	8.8	<1	<.02	8	1.3
PM-45	.7	23	6	107	.1	26	10	991	2.73	3	1	<2	2	60	.2	<.5	<.5	52	.97	.043	13	37	.43	335	.051	5	1.92	.019	.11	<1	<1	5.4	<1	.02	5	.8
PM-46	1.0	23	6	106	.1	24	11	945	2.44	5	1	<2	1	66	.2	<.5	<.5	61	.82	.101	11	34	.50	447	.067	4	2.00	.021	.19	<1	<1	4.5	<1	.04	5	.3
PM-47	.8	24	6	92	.1	28	13	923	2.96	6	1	<2	1	67	.2	<.5	<.5	72	.79	.070	15	41	.69	545	.061	5	2.23	.022	.12	<1	<1	7.0	<1	.03	6	.8
PM-48	.8	21	5	85	.1	26	11	661	2.75	4	1	<2	1	49	<.2	<.5	<.5	72	.46	.076	12	43	.54	462	.083	2	2.47	.021	.12	<1	<1	5.1	<1	.02	7	.5
PM-49	2.4	34	10	131	.3	30	14	1079	4.52	14	1	<2	1	54	.4	1.0	<.5	93	.74	.098	13	37	.35	560	.039	3	1.69	.010	.09	<1	<1	10.1	<1	.03	6	1.1
PM-50	.7	24	5	92	.1	29	11	662	2.51	3	1	<2	1	58	<.2	<.5	<.5	71	.68	.061	10	42	.45	290	.098	3	1.70	.026	.14	<1	<1	4.4	<1	.02	5	.4
PM-51	.7	23	4	56	.1	36	13	534	2.98	4	1	<2	2	77	<.2	.5	<.5	77	.71	.038	19	52	.74	178	.087	4	2.05	.037	.14	<1	<1	7.2	<1	.02	6	.9
STANDARD DS3	9.5	125	37	158	.3	36	13	841	3.17	32	7	<2	4	28	5.7	5.3	5.9	81	.55	.097	18	187	.61	152	.089	1	1.78	.030	.17	4	<1	2.8	1	.02	6	23.5

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 ppm	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
G-1	1.1	2	2	40	<.1	7	4	478	1.59	<1	2	<2	5	58	<.2	<.5	<.5	38	.48	.091	7	19	.50	225	.114	<1	.80	.052	.44	2	<1	1.4	<1	<.02	5	.4
PM-52	.5	31	4	73	.1	43	14	430	3.43	6	<1	<2	2	105	<.2	<.5	<.5	79	.62	.105	15	49	.71	160	.087	1	2.70	.029	.14	<1	<1	7.6	<1	<.02	7	.9
PM-53	.7	40	4	65	<.1	46	13	408	4.04	9	1	<2	2	72	<.2	<.5	<.5	91	.59	.107	17	55	.70	226	.056	2	1.82	.024	.11	<1	<1	9.4	<1	<.02	5	1.8
PM-54	.6	48	3	54	<.1	45	14	352	3.44	6	<1	<2	2	75	<.2	<.5	<.5	95	.54	.084	14	58	.88	163	.121	<1	2.26	.022	.10	<1	<1	7.6	<1	<.02	6	1.3
PM-55	.5	32	3	58	<.1	67	18	559	3.91	6	<1	<2	2	84	<.2	<.5	<.5	104	.79	.129	16	104	1.39	128	.089	1	2.47	.039	.06	<1	<1	7.6	<1	<.02	6	1.2
PM-56	.3	22	3	47	.1	23	8	277	2.18	3	<1	<2	2	73	<.2	<.5	<.5	52	.51	.049	13	33	.55	100	.035	2	1.63	.015	.11	<1	<1	5.3	<1	<.02	5	1.8
PM-57	.6	28	4	58	<.1	34	11	343	3.08	6	<1	<2	2	65	<.2	<.5	<.5	90	.55	.076	12	49	.67	270	.119	2	1.88	.025	.12	<1	<1	6.4	<1	<.02	5	2.8
PM-58	.6	32	4	61	.1	41	11	370	3.46	6	<1	<2	2	65	<.2	<.5	<.5	93	.46	.061	13	61	.54	235	.098	1	1.90	.026	.10	<1	<1	7.6	<1	<.02	5	1.9
PM-59	.5	29	5	78	.1	39	12	371	3.22	4	<1	<2	2	70	<.2	<.5	<.5	82	.53	.037	11	48	.71	438	.121	2	2.03	.030	.10	<1	<1	7.5	<1	<.02	6	2.9
RE PM-59	.5	28	5	75	.1	39	11	366	3.05	4	<1	<2	2	69	<.2	<.5	<.5	82	.51	.037	11	48	.68	430	.122	2	2.15	.026	.10	<1	<1	7.2	<1	<.02	6	.9
PM-60	.4	21	4	86	.1	27	8	283	2.44	3	<1	<2	2	58	<.2	<.5	<.5	67	.42	.038	9	39	.46	298	.100	3	1.65	.029	.10	<1	<1	4.8	<1	<.02	5	.9
PM-61	.4	16	4	76	.1	19	7	341	2.03	3	<1	<2	2	59	<.2	<.5	<.5	59	.47	.038	11	33	.31	298	.083	4	1.28	.027	.16	<1	<1	4.0	<1	<.02	4	.9
PM-62	.5	26	4	66	.1	38	11	387	3.03	5	<1	<2	2	70	<.2	<.5	<.5	91	.55	.047	11	55	.58	257	.123	1	2.01	.047	.12	<1	<1	6.1	<1	<.02	5	1.0
PM-63	.6	27	4	48	.1	46	15	408	3.37	5	<1	<2	2	83	<.2	<.5	<.5	104	.62	.043	10	65	.86	287	.131	1	2.20	.051	.09	<1	<1	8.2	<1	<.02	6	.9
PM-64	.4	24	4	49	<.1	35	13	606	2.68	2	<1	<2	1	80	<.2	<.5	<.5	83	.66	.053	10	57	.60	215	.126	2	1.90	.038	.11	<1	<1	4.5	<1	<.02	5	.8
PM-65	.4	30	4	56	.1	43	15	455	3.14	3	<1	<2	2	89	<.2	<.5	<.5	85	.83	.074	13	57	.94	218	.122	3	1.86	.068	.06	<1	<1	5.9	<1	<.02	5	1.7
PM-66	.4	23	4	47	.1	33	12	423	2.67	2	<1	<2	1	71	<.2	<.5	<.5	79	.58	.040	9	53	.67	198	.117	2	1.91	.050	.07	<1	<1	4.6	<1	<.02	5	1.2
PM-67	.4	18	5	47	.1	27	9	404	2.54	2	<1	<2	1	69	<.2	<.5	<.5	82	.46	.050	6	55	.50	176	.125	1	1.80	.041	.09	<1	<1	3.5	<1	<.02	5	.4
PM-68	.4	22	5	45	<.1	35	12	405	2.82	2	<1	<2	2	93	<.2	<.5	<.5	88	.51	.063	8	60	.64	141	.123	1	1.92	.027	.08	<1	<1	4.6	<1	<.02	5	.6
PM-69	.5	34	4	57	.1	46	14	489	3.49	4	1	<2	2	86	<.2	<.5	<.5	108	.61	.071	12	83	.81	203	.128	1	3.17	.032	.10	<1	<1	7.7	<1	<.02	8	.9
PM-70	.5	24	4	47	.1	36	13	509	2.90	3	1	<2	2	69	<.2	<.5	<.5	86	.61	.043	10	64	.71	168	.130	3	2.17	.043	.15	<1	<1	5.8	<1	.02	6	1.7
PM-71	.5	26	4	60	<.1	38	12	459	2.94	3	<1	<2	1	81	<.2	<.5	<.5	92	.56	.075	10	60	.71	146	.133	2	2.26	.040	.10	<1	<1	5.1	<1	<.02	6	.7
PM-72	.5	24	5	60	<.1	38	13	813	2.86	3	<1	<2	2	85	<.2	<.5	<.5	83	.63	.101	10	56	.68	200	.120	1	2.25	.033	.12	<1	<1	5.1	<1	<.02	6	.6
PM-73	.4	34	4	47	<.1	51	14	428	3.36	2	<1	<2	2	91	<.2	<.5	<.5	100	.69	.045	22	72	.97	166	.128	2	2.34	.052	.12	<1	<1	7.8	<1	<.02	6	.7
PM-74	.5	19	5	66	<.1	25	9	463	2.54	2	<1	<2	1	48	<.2	<.5	<.5	77	.34	.061	4	44	.41	169	.127	<1	1.78	.021	.10	<1	<1	3.0	<1	<.02	5	.4
PM-75	.5	30	3	45	<.1	32	11	413	2.89	5	<1	<2	2	94	<.2	<.5	<.5	89	.69	.069	10	50	.71	140	.102	1	1.55	.063	.04	<1	<1	5.9	<1	<.02	4	1.3
PM-76	.5	27	4	60	.1	31	11	283	2.96	3	<1	<2	2	54	<.2	<.5	<.5	91	.37	.064	6	52	.54	229	.124	1	2.05	.020	.10	<1	<1	4.5	<1	<.02	6	.3
PM-77	.5	18	4	68	<.1	21	8	437	2.19	3	<1	<2	1	51	<.2	<.5	<.5	67	.41	.061	5	37	.33	205	.103	1	1.54	.021	.13	<1	<1	2.9	<1	<.02	5	.4
PM-78	.6	28	3	47	<.1	27	11	322	2.79	4	<1	<2	2	54	<.2	<.5	<.5	83	.47	.060	8	45	.55	168	.085	1	1.69	.020	.12	<1	<1	5.0	<1	<.02	5	.9
PM-79	.5	26	4	52	<.1	25	10	385	2.66	4	<1	<2	1	59	<.2	<.5	<.5	84	.41	.064	8	45	.48	178	.101	1	1.77	.018	.11	<1	<1	4.3	<1	<.02	5	.5
PM-80	.5	32	4	55	<.1	30	11	389	2.99	3	<1	<2	2	60	<.2	<.5	<.5	89	.44	.062	9	54	.58	186	.123	<1	2.15	.025	.12	<1	<1	5.4	<1	<.02	6	8.5
PM-81	.5	37	3	47	<.1	32	11	352	2.95	4	<1	<2	2	74	<.2	<.5	<.5	91	.51	.072	11	54	.61	194	.103	<1	2.41	.023	.09	<1	<1	6.0	<1	<.02	6	1.4
PM-82	.5	38	3	44	<.1	32	11	361	3.14	5	<1	<2	2	86	<.2	<.5	<.5	89	.54	.073	10	56	.67	162	.090	<1	2.03	.034	.10	<1	<1	6.8	<1	<.02	5	1.9
PW-1	.5	20	5	81	.1	44	14	767	2.48	2	<1	<2	1	51	.2	<.5	<.5	54	.69	.077	7	45	.97	124	.092	1	2.69	.020	.13	<1	<1	3.9	<1	.02	8	.3
STANDARD DS3	8.9	125	35	151	.3	36	12	745	3.06	30	6	<2	4	27	5.8	5.1	5.6	78	.53	.094	18	180	.55	156	.082	2	1.70	.027	.15	4	<1	2.6	1	.03	6	20.1

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 ppm	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
G-1	1.1	2	2	38	<.1	7	4	488	1.56	<1	2	<2	5	57	<.2	<.5	<.5	36	.46	.090	7	18	.48	208	.112	1	.76	.044	.45	2	<1	1.4	<1	<.02	4	.2
PW-2	.6	21	6	71	.1	43	14	857	2.51	3	<1	<2	1	60	.2	<.5	<.5	64	.66	.110	15	47	1.01	120	.082	1	2.66	.015	.07	<1	<1	3.9	<1	.04	8	3.7
PW-3	.6	19	6	71	.1	42	15	594	2.74	5	<1	<2	1	50	<.2	<.5	<.5	69	.41	.188	7	40	.82	111	.100	1	3.19	.012	.06	<1	<1	3.1	<1	.03	9	1.6
PW-4	.6	23	6	72	.1	45	16	760	3.02	4	<1	<2	1	67	.2	<.5	<.5	75	.50	.172	10	49	1.14	169	.098	1	3.83	.015	.09	<1	<1	4.4	<1	<.02	10	.3
PW-5	1.0	20	9	64	<.1	44	17	594	2.80	2	<1	<2	1	59	<.2	<.5	<.5	78	.43	.058	6	78	1.10	121	.115	1	3.18	.024	.06	<1	<1	3.2	<1	<.02	9	<.2
PW-6	.7	16	6	67	<.1	30	11	2004	2.10	2	<1	<2	<1	33	<.2	<.5	<.5	53	.33	.089	3	50	.56	110	.061	1	2.36	.015	.07	<1	<1	1.6	<1	.02	7	<.2
PW-7	.6	27	6	60	<.1	47	17	707	3.13	3	<1	<2	2	71	<.2	<.5	<.5	83	.44	.087	10	72	1.03	181	.130	1	4.11	.020	.09	<1	<1	4.4	<1	<.02	10	.2
PW-8	.5	20	5	66	<.1	38	12	824	2.66	3	<1	<2	1	77	.2	<.5	<.5	70	.54	.088	5	63	.80	176	.126	1	3.17	.019	.21	<1	<1	3.4	<1	<.02	8	.4
PW-9	.6	15	4	61	<.1	39	11	453	2.56	2	<1	<2	1	44	<.2	<.5	<.5	63	.40	.038	3	85	.81	95	.083	<1	3.17	.020	.08	<1	<1	3.4	<1	<.02	8	.5
PW-10	.5	25	4	67	<.1	43	11	829	2.86	5	<1	<2	1	69	<.2	<.5	<.5	57	.58	.060	9	68	.46	134	.041	1	3.07	.021	.19	<1	<1	6.0	<1	<.02	7	.3
PW-11	.6	24	6	62	<.1	42	14	698	2.68	2	<1	<2	1	40	<.2	<.5	<.5	65	.24	.103	6	87	.89	171	.089	1	3.96	.016	.09	<1	<1	3.6	<1	<.02	11	.5
PW-12	.4	22	5	68	<.1	43	14	1004	2.65	2	<1	<2	1	75	<.2	<.5	<.5	68	.54	.060	7	97	1.15	168	.094	1	3.23	.023	.13	<1	<1	3.6	<1	<.02	9	.6
PW-13	.4	34	4	52	<.1	74	18	671	3.59	1	<1	<2	2	78	<.2	<.5	<.5	84	.67	.059	11	137	1.63	102	.113	1	3.08	.044	.11	<1	<1	8.2	<1	<.02	8	.6
PW-14	.4	22	4	61	<.1	47	14	437	2.91	1	<1	<2	1	55	<.2	<.5	<.5	87	.52	.039	6	92	1.01	101	.134	1	2.42	.040	.10	<1	<1	5.7	<1	.02	7	.3
PW-15	.5	20	6	93	<.1	39	14	729	2.70	2	<1	<2	1	69	<.2	<.5	<.5	78	.44	.111	6	72	.74	168	.132	1	2.73	.019	.19	<1	<1	3.3	<1	<.02	8	1.1
PW-16	.7	20	6	58	.1	31	12	762	2.24	2	<1	<2	1	62	<.2	<.5	<.5	69	.53	.050	11	55	.66	100	.116	1	1.93	.025	.08	<1	<1	3.5	<1	.02	6	.3
PW-17	.5	14	5	58	.1	27	9	396	2.19	1	<1	<2	1	53	<.2	<.5	<.5	64	.39	.060	4	45	.49	106	.150	1	1.88	.026	.10	<1	<1	2.3	<1	<.02	6	.3
PW-18	.6	26	5	72	.1	47	14	597	2.78	3	<1	<2	1	83	<.2	<.5	<.5	79	.66	.128	10	61	.98	138	.129	2	2.59	.031	.12	<1	<1	5.2	<1	<.02	7	1.0
PW-19	.6	29	6	65	<.1	48	17	681	3.15	6	<1	<2	2	154	<.2	.5	<.5	84	.89	.094	13	60	1.22	181	.116	2	2.24	.045	.12	<1	<1	6.0	<1	<.02	7	1.7
RE PW-19	.7	30	6	64	<.1	49	17	681	3.15	6	<1	<2	2	157	<.2	.6	<.5	88	.96	.094	13	64	1.26	191	.125	3	2.35	.050	.13	<1	<1	6.2	<1	.02	7	3.1
PW-20	.8	22	5	54	<.1	38	14	504	2.83	4	<1	<2	2	111	<.2	.5	<.5	82	.62	.054	11	56	.91	153	.128	1	2.22	.027	.10	<1	<1	5.9	<1	<.02	7	.9
PW-21	.8	16	6	90	.1	33	11	522	2.22	3	<1	<2	1	48	<.2	<.5	<.5	56	.36	.185	6	43	.46	160	.108	1	2.57	.021	.11	<1	<1	2.9	<1	<.02	8	1.1
PW-22	.7	28	5	60	<.1	54	19	744	3.74	7	<1	<2	2	154	<.2	.7	<.5	96	1.08	.096	15	63	1.38	199	.136	1	2.69	.026	.13	<1	<1	7.8	<1	<.02	8	2.3
PW-23	1.0	13	6	98	.1	29	9	607	1.99	3	<1	<2	1	45	<.2	<.5	<.5	52	.35	.177	5	40	.42	191	.115	1	2.34	.019	.13	<1	<1	2.6	<1	<.02	7	3.1
PW-24	.6	28	5	56	<.1	51	17	666	3.15	5	<1	<2	2	124	<.2	<.5	<.5	90	.75	.079	14	71	1.25	161	.114	2	2.36	.031	.12	<1	<1	6.9	<1	<.02	7	1.4
PW-25	.6	23	5	61	<.1	48	14	523	2.97	3	<1	<2	1	89	<.2	<.5	<.5	90	.57	.072	9	63	.95	156	.154	<1	2.38	.026	.14	<1	<1	5.4	<1	<.02	7	1.9
PW-26	.5	18	5	57	<.1	32	12	594	2.55	3	<1	<2	1	85	<.2	<.5	<.5	77	.57	.037	9	57	.76	127	.133	2	1.73	.031	.12	<1	<1	4.6	<1	<.02	5	1.5
PW-27	.6	29	4	51	.1	44	14	431	3.12	6	1	<2	2	115	<.2	.5	<.5	87	.72	.057	14	63	1.13	141	.099	1	2.45	.034	.10	<1	<1	8.1	<1	<.02	7	5.7
PW-28	.7	34	4	76	.1	55	17	539	3.42	5	1	<2	2	86	<.2	<.5	<.5	92	.62	.131	15	65	1.19	129	.120	1	2.89	.029	.16	<1	<1	7.6	<1	<.02	8	1.4
PW-29	.7	28	8	66	.1	45	17	701	3.03	5	1	<2	2	79	<.2	<.5	<.5	82	.70	.063	11	65	1.09	125	.088	1	2.15	.036	.11	<1	<1	6.4	<1	.02	7	.9
PW-30	1.1	35	6	74	.1	53	20	940	3.40	10	1	<2	2	86	<.2	.6	<.5	92	.75	.107	12	72	1.27	156	.076	2	2.19	.038	.21	<1	<1	7.4	<1	.03	6	1.2
PW-31	.9	22	4	73	.1	35	13	674	2.69	3	<1	<2	1	72	<.2	<.5	<.5	68	.54	.116	8	56	.71	211	.088	1	2.04	.026	.14	<1	<1	4.7	<1	<.02	6	1.0
PW-32	.7	35	4	55	<.1	40	17	819	3.07	8	<1	<2	2	82	<.2	<.5	<.5	80	.72	.065	16	53	.92	104	.023	4	1.97	.043	.08	<1	<1	7.6	<1	<.02	6	1.0
PW-33	.8	29	5	61	<.1	32	14	622	2.99	6	<1	<2	2	73	<.2	<.5	<.5	80	.55	.074	10	51	.64	133	.041	1	2.23	.032	.11	<1	<1	5.8	<1	<.02	7	.3
STANDARD DS3	9.1	121	36	152	.3	36	12	775	3.00	30	6	<2	4	27	5.3	5.3	5.6	74	.50	.091	19	190	.57	151	.083	1	1.70	.029	.15	4	<1	2.7	1	<.02	6	21.8

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 ppm	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
G-1	1.1	2	2	42	<.1	7	4	519	1.66	<1	3	<2	6	58	<.2	<.5	<.5	38	.47	.093	7	19	.52	215	.117	1	.85	.047	.46	2	<1	1.4	<1	<.02	5	.4
PW-34	.7	16	5	61	<.1	28	10	380	2.31	4	<1	<2	1	54	<.2	<.5	<.5	71	.36	.088	5	49	.43	115	.103	1	1.83	.016	.10	<1	<1	2.8	<1	<.02	5	.2
PW-35	.6	29	4	51	<.1	38	13	440	2.88	7	<1	<2	2	72	<.2	<.5	<.5	87	.47	.051	11	63	.76	115	.074	1	2.16	.025	.10	<1	<1	6.1	<1	<.02	6	2.1
PW-36	.6	37	4	59	<.1	48	15	504	3.26	8	<1	<2	2	75	<.2	<.5	<.5	89	.63	.059	12	73	.99	112	.062	1	2.14	.035	.08	<1	<1	6.8	<1	<.02	6	4.2
PW-37	.7	29	4	57	<.1	44	14	433	3.03	5	<1	<2	2	61	<.2	<.5	<.5	85	.48	.055	11	71	.90	101	.078	2	2.13	.032	.15	<1	<1	5.6	<1	<.02	6	.7
PW-38	.8	27	5	58	.1	35	13	550	2.67	6	<1	<2	2	62	<.2	<.5	<.5	72	.59	.049	18	55	.86	143	.033	2	2.10	.025	.13	<1	<1	5.8	<1	<.02	5	.8
PW-39	.5	24	4	57	.1	38	12	378	2.71	5	<1	<2	2	75	<.2	<.5	<.5	77	.50	.076	10	58	.74	120	.102	1	2.12	.028	.13	<1	<1	5.1	<1	<.02	6	2.5
PW-40	.5	28	5	60	.1	49	14	456	2.99	4	<1	<2	2	135	<.2	<.5	<.5	84	.64	.069	12	71	1.09	228	.110	1	2.72	.031	.10	<1	<1	6.0	<1	<.02	7	8.3
PW-41	.6	21	4	60	<.1	37	11	455	2.53	4	<1	<2	1	87	<.2	<.5	<.5	73	.50	.065	9	58	.72	156	.112	1	2.09	.022	.13	<1	<1	4.4	<1	<.02	6	2.0
PW-42	.5	26	4	48	.1	37	12	362	2.82	5	<1	<2	2	86	<.2	<.5	<.5	83	.53	.063	13	59	.83	140	.097	1	2.16	.024	.09	<1	<1	6.1	<1	<.02	6	3.5
PW-43	.5	22	4	66	.1	32	12	470	2.52	5	<1	<2	1	77	<.2	.5	<.5	73	.58	.075	9	50	.68	136	.106	1	1.79	.023	.16	<1	<1	4.1	<1	<.02	5	2.4
PW-44	.7	17	5	75	.1	27	9	862	2.08	3	<1	<2	1	69	<.2	<.5	<.5	59	.57	.084	6	44	.46	187	.089	1	1.74	.017	.15	<1	<1	2.7	<1	.02	5	5.8
PW-45	.5	33	5	55	.1	48	15	624	3.11	8	1	<2	2	102	<.2	<.5	<.5	90	.66	.088	15	64	1.07	192	.089	1	2.31	.022	.09	<1	<1	7.6	<1	<.02	6	9.4
PW-46	.8	16	4	96	.1	21	8	858	2.13	4	<1	<2	1	49	.2	<.5	<.5	64	.40	.050	6	42	.34	363	.096	1	1.46	.016	.13	<1	<1	2.6	<1	<.02	5	.9
PW-47	.6	20	6	98	.1	19	8	614	2.24	6	<1	<2	2	45	.3	<.5	<.5	53	.41	.067	10	32	.37	376	.052	3	1.42	.015	.17	<1	<1	2.9	<1	.02	4	2.5
PW-48	.4	8	5	83	<.1	8	3	560	1.41	3	<1	<2	1	31	.2	<.5	<.5	40	.42	.041	5	18	.13	505	.057	2	.98	.013	.10	<1	<1	1.5	<1	<.02	3	.4
PW-49	.9	37	4	58	<.1	41	17	1093	3.40	19	<1	<2	2	65	<.2	<.5	<.5	72	.56	.069	12	53	.46	278	.042	3	1.58	.017	.14	<1	<1	8.0	<1	<.02	4	1.3
PW-50	.6	25	4	54	.1	33	13	379	2.88	6	<1	<2	2	80	<.2	.7	<.5	85	.44	.047	12	54	.70	141	.138	1	2.24	.021	.12	<1	<1	5.2	<1	<.02	6	14.7
PW-51	.6	31	4	56	.2	43	15	576	3.20	10	<1	<2	2	97	<.2	.7	<.5	84	.68	.060	15	59	1.05	145	.107	1	2.68	.027	.11	<1	<1	7.0	<1	.02	7	81.0
PW-52	.5	23	4	60	<.1	29	10	359	2.81	8	<1	<2	2	72	<.2	.6	<.5	82	.42	.064	11	50	.59	194	.121	<1	2.19	.018	.12	<1	<1	4.6	<1	<.02	6	20.0
PW-53	.5	23	4	55	.1	34	12	482	2.73	8	<1	<2	1	77	<.2	.7	<.5	83	.47	.052	10	54	.71	116	.136	1	2.18	.028	.10	<1	<1	5.1	<1	<.02	6	36.5
RE PW-53	.6	23	4	56	.1	33	12	473	2.80	8	<1	<2	2	79	<.2	.7	<.5	81	.48	.051	10	54	.75	120	.138	<1	2.26	.026	.10	<1	<1	5.0	<1	<.02	6	161.7
PW-54	.5	24	4	55	.1	36	12	416	2.99	8	<1	<2	2	84	<.2	.7	<.5	88	.53	.060	11	57	.79	122	.138	1	2.13	.032	.13	<1	<1	5.8	<1	<.02	6	45.4
PW-55	.7	13	4	57	.1	19	7	450	2.03	2	<1	<2	1	46	<.2	<.5	<.5	58	.39	.060	4	39	.37	108	.128	1	1.49	.023	.13	<1	<1	2.1	<1	.02	4	.7
PW-56	.5	30	4	51	.2	41	15	613	3.15	9	<1	<2	2	105	<.2	.6	<.5	95	.63	.088	13	62	.99	133	.132	1	2.45	.034	.12	<1	<1	6.2	<1	.02	6	81.6
PW-57	.5	23	4	54	.2	36	12	385	2.94	6	<1	<2	1	77	<.2	.7	<.5	87	.47	.045	10	59	.80	123	.141	1	2.13	.028	.11	<1	<1	5.0	<1	.02	6	16.1
PW-58	.5	32	4	50	.1	41	14	643	3.02	11	<1	<2	2	103	<.2	.7	<.5	84	.74	.082	14	56	1.03	124	.109	1	2.40	.037	.11	<1	<1	6.7	<1	.02	6	18.2
PW-59	.4	25	5	79	.2	28	11	683	2.67	5	1	<2	2	74	<.2	<.5	<.5	70	.65	.043	13	47	.61	187	.120	2	2.14	.037	.13	<1	<1	5.1	<1	.02	6	23.1
PW-60	.4	31	4	46	.2	35	11	333	2.90	8	1	<2	2	118	<.2	.6	<.5	75	.89	.092	14	55	1.13	160	.103	1	1.99	.052	.08	<1	<1	6.4	<1	.02	6	13.0
PW-61	.4	15	4	45	<.1	24	10	343	2.43	2	<1	<2	1	75	<.2	<.5	<.5	67	.56	.029	6	44	.68	142	.113	1	2.03	.042	.07	<1	<1	3.6	<1	.02	5	.2
PW-62	.4	20	4	47	<.1	34	12	507	2.99	4	<1	<2	2	97	<.2	<.5	<.5	84	.64	.033	10	53	.93	161	.110	2	2.01	.046	.08	<1	<1	5.8	<1	<.02	6	.5
PW-63	.4	19	4	56	<.1	35	11	345	3.03	3	<1	<2	2	74	<.2	<.5	<.5	87	.45	.049	8	54	.84	148	.136	1	2.46	.028	.11	<1	<1	4.6	<1	<.02	6	.8
PW-64	.4	21	4	51	<.1	34	12	407	3.02	4	<1	<2	2	91	<.2	<.5	<.5	86	.52	.056	10	53	.85	160	.127	1	2.43	.027	.10	<1	<1	4.8	<1	<.02	6	.3
PW-65	.4	25	5	46	<.1	39	14	563	3.11	6	1	<2	2	121	<.2	.5	<.5	82	.86	.065	13	51	1.15	145	.113	1	1.99	.065	.07	<1	<1	6.5	<1	<.02	5	2.2
STANDARD DS3	9.0	124	34	156	.3	36	12	761	3.03	30	6	<2	4	26	5.6	5.3	5.5	74	.50	.090	18	181	.57	142	.082	1	1.76	.030	.15	4	<1	2.6	1	.02	6	21.4

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 ppm	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
G-1	1.1	2	2	40	<.1	7	4	483	1.54	<1	2	<2	5	54	<.2	<.5	<.5	35	.46	.094	6	18	.48	203	.112	1	.76	.054	.45	2	<1	1.2	<1	<.02	5	.3
PW-66	.4	27	4	47	<.1	42	15	586	2.92	5	1	<2	2	113	<.2	<.5	<.5	82	.78	.075	14	53	1.07	125	.115	1	1.90	.054	.07	<1	<1	6.3	<1	<.02	6	1.6
PW-67	.7	28	5	50	.1	48	16	746	3.11	5	1	<2	2	102	<.2	.5	<.5	84	.86	.075	13	54	1.19	137	.116	3	2.01	.056	.10	<1	<1	6.7	<1	<.02	6	2.3
PW-68	.6	30	4	51	<.1	45	15	610	3.28	5	1	<2	2	133	<.2	<.5	<.5	94	.78	.091	15	56	1.20	138	.118	1	2.30	.038	.10	<1	<1	7.5	<1	<.02	6	1.6
PW-69	.4	23	4	55	<.1	36	12	422	2.86	4	<1	<2	2	88	<.2	<.5	<.5	81	.54	.055	9	52	.89	133	.101	<1	2.13	.024	.10	<1	<1	5.8	<1	<.02	6	1.5
PW-70	.4	23	4	48	.1	40	13	490	3.00	5	1	<2	2	100	<.2	.5	<.5	79	.65	.055	10	52	1.00	132	.096	<1	2.16	.042	.08	<1	<1	5.9	<1	<.02	6	11.5
PW-71	.7	24	5	68	.1	30	12	675	2.25	4	1	<2	1	79	.2	<.5	<.5	58	.87	.099	13	37	.61	141	.089	3	2.00	.028	.20	<1	<1	3.8	<1	.03	6	.6
PW-72	.4	27	4	59	.1	46	15	518	3.07	6	1	<2	2	98	<.2	<.5	<.5	86	.66	.094	11	54	1.07	129	.112	1	2.60	.036	.13	<1	<1	6.2	<1	<.02	7	1.4
PW-73	.6	30	5	61	.1	41	15	806	3.06	6	2	<2	1	94	<.2	<.5	<.5	82	.88	.078	15	56	.93	132	.101	2	2.39	.054	.12	<1	<1	6.6	<1	.04	7	.9
PW-74	.6	25	4	49	<.1	40	15	580	3.13	5	1	<2	2	101	<.2	<.5	<.5	88	.70	.053	11	54	.98	143	.122	1	2.31	.051	.09	<1	<1	6.1	<1	.02	6	.9
PW-75	.4	29	4	48	<.1	43	15	544	3.49	9	1	<2	2	113	<.2	.5	<.5	106	.78	.088	16	59	1.24	135	.114	<1	2.61	.053	.07	<1	<1	8.4	<1	<.02	7	5.0
PW-76	.6	22	4	55	.1	31	12	460	2.63	4	1	<2	1	72	<.2	<.5	<.5	74	.53	.058	10	47	.77	119	.112	<1	2.12	.029	.09	<1	<1	4.7	<1	<.02	6	2.4
PW-77	.6	21	4	81	.1	31	12	669	2.52	3	<1	<2	1	59	<.2	<.5	<.5	64	.46	.158	6	43	.58	163	.108	1	2.61	.018	.17	<1	<1	3.3	<1	.02	7	2.4
PW-78	.4	34	5	54	.2	46	16	641	3.55	12	1	<2	2	103	<.2	.9	<.5	94	.80	.094	15	62	1.25	122	.088	<1	2.76	.035	.10	<1	<1	8.2	<1	<.02	7	141.4
PW-79	.4	37	5	55	.1	45	16	627	3.41	11	1	<2	2	119	<.2	.7	<.5	93	.86	.099	16	60	1.29	139	.085	<1	2.71	.041	.09	<1	<1	7.9	<1	<.02	7	23.2
PW-80	.4	27	4	51	.1	39	12	396	3.02	6	<1	<2	2	103	<.2	.6	<.5	90	.59	.072	11	54	.91	144	.118	<1	2.48	.044	.08	<1	<1	5.3	<1	<.02	6	7.7
PW-81	.6	38	5	58	.1	53	20	831	3.48	10	1	<2	2	129	<.2	.9	<.5	95	1.02	.105	15	59	1.48	131	.107	3	2.39	.055	.10	<1	<1	7.0	<1	<.02	7	14.8
PW-82	.4	28	5	51	.1	39	13	488	2.86	5	1	<2	2	107	<.2	.5	<.5	79	.81	.065	14	53	1.03	124	.116	2	2.29	.050	.08	<1	<1	6.2	<1	.02	6	4.0
RE PW-82	.4	29	5	52	.1	40	14	516	3.10	5	1	<2	2	112	<.2	.5	<.5	81	.86	.067	15	54	1.08	127	.119	2	2.37	.045	.09	<1	<1	6.3	<1	.02	7	2.1
PW-83	1.0	14	4	51	<.1	16	8	525	2.05	2	<1	<2	1	47	<.2	<.5	<.5	64	.31	.045	4	35	.37	118	.112	1	1.20	.020	.13	<1	<1	2.1	<1	<.02	4	.3
PW-84	.4	24	4	57	.1	36	12	364	3.05	3	<1	<2	2	88	<.2	<.5	<.5	88	.50	.063	10	56	.83	141	.131	<1	2.38	.031	.12	<1	<1	5.2	<1	<.02	6	1.3
PW-85	.4	31	5	67	.1	34	13	540	3.02	3	1	<2	2	81	<.2	<.5	<.5	81	.62	.069	11	52	.92	122	.114	1	2.74	.033	.13	<1	<1	6.1	<1	.02	7	.8
PW-86	.4	28	4	59	.1	37	13	489	3.06	4	1	<2	2	88	<.2	.5	<.5	87	.63	.068	10	54	.97	129	.124	1	2.43	.031	.13	<1	<1	5.9	<1	<.02	6	1.6
PW-87	.4	29	4	50	.1	41	15	526	3.24	5	<1	<2	2	143	<.2	.5	<.5	90	1.23	.108	13	54	1.35	207	.109	3	1.91	.062	.08	<1	<1	6.5	<1	.02	6	2.8
PW-88	1.1	19	5	88	.1	18	8	637	2.37	4	<1	<2	1	80	<.2	<.5	<.5	60	.61	.215	4	33	.33	211	.079	2	1.81	.015	.16	<1	<1	2.6	<1	.02	5	.7
PW-89	.6	33	4	60	.1	39	15	607	3.14	6	1	<2	2	104	<.2	<.5	<.5	89	.81	.084	13	51	1.06	156	.103	2	2.39	.037	.12	<1	<1	6.5	<1	.02	7	2.5
PW-90	.6	23	4	92	.1	24	10	505	2.38	3	1	<2	1	66	<.2	<.5	<.5	70	.45	.060	10	43	.55	115	.119	1	2.06	.031	.13	<1	<1	3.9	<1	<.02	5	1.6
PW-91	.4	44	4	68	.2	44	16	752	3.14	5	2	<2	1	129	<.2	<.5	<.5	75	.90	.078	17	54	1.08	231	.083	3	2.86	.038	.14	<1	<1	7.2	<1	.04	7	1.8
PW-92	.4	30	4	51	.1	37	13	419	3.09	6	1	<2	2	97	<.2	<.5	<.5	85	.67	.085	12	55	.98	117	.116	1	2.56	.039	.11	<1	<1	6.4	<1	<.02	6	2.6
PW-93	.4	24	4	57	.1	32	11	445	2.67	6	1	<2	1	78	<.2	.5	<.5	77	.59	.054	11	49	.77	116	.103	1	1.95	.034	.09	<1	<1	4.6	<1	<.02	6	33.5
PW-94	.4	36	5	61	.4	37	13	628	2.81	9	1	<2	2	70	<.2	.5	<.5	79	.65	.049	17	51	.76	113	.111	1	2.60	.040	.10	<1	<1	6.3	<1	.02	7	39.2
PW-95	.6	28	4	52	.1	37	13	456	2.95	8	1	<2	2	89	<.2	.5	<.5	86	.63	.070	11	54	.88	119	.121	1	2.46	.039	.10	<1	<1	5.2	<1	<.02	6	8.8
PW-96	.3	26	4	51	.2	29	10	463	2.58	6	1	<2	2	76	<.2	<.5	<.5	73	.57	.035	12	51	.66	102	.119	1	2.27	.043	.08	<1	<1	5.5	<1	<.02	6	8.5
PW-97	.4	26	3	65	.1	49	15	402	3.12	5	<1	<2	2	95	<.2	<.5	<.5	83	.62	.095	9	57	1.09	140	.120	1	2.93	.037	.12	<1	<1	4.6	<1	<.02	7	5.8
STANDARD DS3	9.6	124	35	156	.3	36	12	791	3.02	30	6	<2	4	26	5.7	5.3	5.5	75	.54	.092	17	184	.57	145	.082	1	1.74	.029	.16	4	<1	2.6	1	.03	6	21.4

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 ppm	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
G-1	1.2	2	2	40	<.1	8	4	537	1.72	<1	2	<2	5	61	<.2	<.5	<.5	39	.51	.101	7	20	.51	223	.132	2	.87	.052	.49	2	<1	1.4	<1	<.02	5	.6
PW-98	.4	23	4	42	.1	37	11	407	2.81	10	1	<2	2	92	<.2	.7	<.5	81	.59	.050	10	60	.88	128	.132	1	2.21	.035	.06	<1	<1	6.0	<1	<.02	6	13.2
PW-99	.5	28	4	54	.1	39	15	548	3.13	9	<1	<2	2	99	<.2	.6	<.5	88	.64	.097	14	56	.92	122	.107	1	2.24	.026	.11	<1	<1	6.1	<1	<.02	6	6.3
PW-100	.5	17	4	49	.1	28	10	401	2.47	4	<1	<2	1	63	<.2	.5	<.5	76	.42	.060	6	50	.53	123	.140	1	2.08	.022	.13	<1	<1	2.8	<1	<.02	5	39.8
PW-101	.5	28	4	45	.2	38	13	442	3.14	9	<1	<2	2	91	<.2	.6	<.5	93	.61	.061	11	65	.81	124	.128	<1	2.59	.031	.08	<1	<1	6.9	<1	<.02	6	109.5
PW-102	.5	26	3	49	.1	37	12	584	3.03	7	<1	<2	2	76	<.2	.6	<.5	93	.57	.077	12	57	.69	113	.129	1	2.10	.035	.10	<1	<1	5.7	<1	<.02	5	9.3
PW-103	.4	21	3	49	.1	27	10	397	2.55	4	<1	<2	1	77	<.2	.5	<.5	81	.46	.074	7	48	.53	109	.127	1	1.76	.025	.13	<1	<1	3.9	<1	<.02	5	3.4
PW-104	.4	26	3	45	.1	32	11	346	2.94	4	<1	<2	2	87	<.2	<.5	<.5	86	.56	.056	10	56	.74	114	.145	1	2.10	.043	.08	<1	<1	5.7	<1	<.02	5	2.6
PW-105	.4	30	3	46	<.1	36	12	379	3.02	3	<1	<2	2	102	<.2	<.5	<.5	91	.59	.073	11	59	.75	113	.135	<1	2.29	.034	.09	<1	<1	6.0	<1	<.02	6	2.4
RE PW-105	.4	30	3	46	<.1	37	12	384	3.09	3	<1	<2	2	103	<.2	<.5	<.5	96	.61	.074	11	61	.76	117	.151	1	2.40	.037	.10	<1	<1	6.3	<1	<.02	6	2.1
PW-106	.5	15	5	72	<.1	23	9	659	2.27	2	<1	<2	1	65	<.2	<.5	<.5	66	.49	.067	5	42	.43	149	.156	2	1.78	.020	.17	<1	<1	2.7	<1	<.02	5	.8
PW-107	.4	20	4	41	.1	19	7	409	1.89	2	1	<2	1	53	<.2	<.5	<.5	60	.50	.028	17	34	.36	75	.114	1	1.63	.031	.07	<1	<1	3.3	<1	<.02	4	7.8
PW-108	.4	29	4	53	<.1	42	13	614	3.12	4	<1	<2	2	133	<.2	<.5	<.5	85	.77	.081	16	47	1.04	178	.095	1	2.09	.041	.09	<1	<1	6.9	<1	<.02	6	2.8
PW-109	.4	36	3	44	.1	43	14	526	2.96	5	<1	<2	2	108	<.2	<.5	<.5	84	.75	.063	14	55	1.06	111	.108	1	2.16	.038	.07	<1	<1	8.3	<1	<.02	5	6.3
PW-110	.4	30	3	49	.1	40	13	506	3.04	6	<1	<2	2	97	<.2	<.5	<.5	86	.64	.076	13	60	.88	114	.120	1	2.48	.027	.11	<1	<1	6.9	<1	<.02	6	11.4
PW-111	.9	20	5	110	.1	20	10	725	1.95	3	<1	<2	1	53	.2	<.5	<.5	57	.50	.100	6	35	.40	174	.131	1	1.52	.020	.15	<1	<1	2.8	<1	<.02	4	1.0
PW-112	.4	25	5	53	.1	36	15	861	2.58	5	1	<2	1	98	<.2	<.5	<.5	66	.99	.064	12	48	.92	153	.095	1	2.30	.040	.10	<1	<1	5.5	<1	.02	6	5.3
PW-113	.8	15	4	58	<.1	21	9	361	2.40	4	<1	<2	1	54	<.2	.7	<.5	73	.42	.054	5	36	.44	106	.162	1	1.42	.011	.14	<1	<1	2.9	<1	<.02	5	16.4
PW-114	.7	21	5	56	<.1	32	13	430	2.93	7	<1	<2	1	80	<.2	.7	<.5	90	.52	.063	8	51	.82	141	.154	1	2.02	.023	.10	<1	<1	4.4	<1	<.02	6	9.5
PW-115	.6	27	5	50	.1	38	15	489	3.00	8	<1	<2	2	92	<.2	.6	<.5	89	.60	.067	12	53	.96	135	.140	<1	2.40	.020	.10	<1	<1	6.1	<1	<.02	6	27.1
PW-116	.6	27	4	50	.1	38	14	559	3.01	8	<1	<2	2	96	<.2	.6	<.5	86	.65	.075	13	55	.99	143	.125	1	2.41	.027	.09	<1	<1	6.2	<1	<.02	6	28.2
PW-117	.6	20	4	56	.1	29	12	489	2.37	5	<1	<2	1	69	<.2	.5	<.5	73	.48	.044	9	45	.70	115	.142	1	1.82	.029	.09	<1	<1	4.2	<1	<.02	5	5.3
PW-118	.5	20	5	67	.1	30	13	593	2.67	5	1	<2	1	94	<.2	<.5	<.5	69	.71	.039	10	46	.79	113	.111	2	2.11	.034	.10	<1	<1	5.0	<1	.02	5	6.9
PW-119	.8	17	5	67	.1	25	10	622	2.29	4	<1	<2	1	69	<.2	<.5	<.5	63	.54	.071	9	42	.56	161	.120	1	1.87	.017	.15	<1	<1	3.3	<1	<.02	5	1.9
PW-120	.5	39	5	56	.2	37	14	454	3.18	8	<1	<2	2	105	<.2	.5	<.5	83	.71	.064	15	54	.89	254	.114	2	2.59	.022	.13	<1	<1	6.7	<1	<.02	7	13.0
PW-121	.6	22	4	116	.1	25	11	854	2.30	5	<1	<2	1	103	.2	<.5	<.5	64	.86	.140	5	41	.47	198	.106	4	1.96	.020	.16	<1	<1	2.7	<1	.03	5	7.4
PW-122	.5	13	5	82	.1	21	8	881	1.75	4	<1	<2	1	49	<.2	<.5	<.5	47	.36	.121	4	30	.32	157	.099	1	2.02	.017	.09	<1	<1	2.0	<1	<.02	5	10.7
PW-123	.5	17	5	65	.1	27	10	758	2.22	4	<1	<2	1	56	<.2	<.5	<.5	63	.39	.129	4	40	.43	160	.113	1	2.38	.021	.11	<1	<1	2.3	<1	<.02	6	2.0
PW-124	.9	13	5	83	<.1	15	6	821	1.78	4	<1	<2	1	68	.2	<.5	<.5	46	.41	.077	6	26	.25	284	.054	4	1.33	.028	.16	<1	<1	2.9	<1	<.02	4	.3
PW-125	1.2	24	4	75	<.1	24	7	308	2.93	7	1	<2	2	82	<.2	<.5	<.5	71	.48	.073	12	38	.34	356	.029	4	2.10	.020	.18	<1	<1	6.6	<1	<.02	6	.9
PW-126	.6	24	4	73	<.1	30	10	436	2.69	4	<1	<2	2	54	<.2	<.5	<.5	84	.44	.069	10	58	.54	239	.093	3	2.28	.038	.15	<1	<1	5.7	<1	<.02	5	<.2
PW-127	.7	18	5	84	<.1	26	7	557	2.38	4	<1	<2	2	47	<.2	<.5	<.5	59	.39	.065	6	36	.30	311	.070	2	1.76	.027	.12	<1	<1	3.4	<1	<.02	5	<.2
PW-128	.6	16	4	86	<.1	18	7	583	2.24	3	<1	<2	1	42	<.2	<.5	<.5	64	.34	.048	5	34	.29	212	.081	3	1.66	.025	.14	<1	<1	3.5	<1	<.02	5	1.9
PW-129	.7	31	3	61	<.1	32	11	414	3.46	5	<1	<2	2	66	<.2	<.5	<.5	92	.42	.045	13	56	.55	269	.081	2	2.88	.016	.13	<1	<1	9.5	<1	<.02	6	4.5
STANDARD DS3	9.5	123	34	151	.3	35	12	772	3.04	30	6	<2	4	25	5.4	5.2	5.6	74	.51	.092	17	185	.55	146	.079	2	1.72	.027	.15	4	<1	2.6	1	.03	6	21.7

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 ppm	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
G-1	1.6	3	3	40	<.1	7	4	512	1.72	<1	2	<2	4	61	<.2	<.5	<.5	38	.50	.088	7	21	.50	197	.116	<1	.79	.057	.46	2	<1	1.4	<1	<.02	4	.8
PW-130	.4	23	3	70	<.1	25	10	405	2.84	4	<1	<2	1	52	<.2	<.5	<.5	67	.48	.061	8	42	.62	233	.018	2	1.88	.018	.29	<1	<1	4.4	<1	<.02	7	.4
PW-131	.8	25	3	61	<.1	21	8	390	2.90	5	<1	<2	2	56	<.2	<.5	<.5	79	.58	.073	11	39	.36	238	.059	3	1.29	.021	.22	<1	<1	6.3	<1	<.02	4	.7
PW-132	.8	22	4	98	<.1	21	9	519	2.65	4	<1	<2	1	52	<.2	<.5	<.5	78	.36	.062	10	39	.32	261	.085	2	1.48	.020	.16	<1	<1	5.0	<1	<.02	5	.6
PW-133	.9	34	4	70	.1	31	11	576	3.61	6	<1	<2	2	69	<.2	<.5	<.5	89	.48	.070	14	48	.51	245	.055	2	2.04	.022	.17	<1	<1	9.4	<1	<.02	5	.5
PW-134	.6	25	4	62	<.1	26	11	412	2.86	4	<1	<2	1	53	<.2	<.5	<.5	87	.41	.060	7	48	.47	162	.102	2	1.59	.019	.16	<1	<1	4.5	<1	<.02	5	.5
PW-135	.6	23	4	45	<.1	23	12	435	2.83	3	<1	<2	2	52	<.2	<.5	<.5	82	.47	.028	7	47	.50	178	.093	2	1.65	.022	.14	<1	<1	4.8	<1	<.02	5	.7
PW-136	.9	19	5	85	<.1	18	9	876	1.99	2	<1	<2	1	52	.2	<.5	<.5	54	.58	.064	6	30	.28	287	.072	4	1.31	.016	.19	<1	<1	2.7	<1	.02	4	.5
PW-137	.7	25	5	67	<.1	20	10	720	2.12	3	<1	<2	1	53	.2	<.5	<.5	60	.64	.062	6	31	.35	222	.073	4	1.46	.017	.14	<1	<1	2.9	<1	.02	4	1.2
PW-138	.5	32	3	41	<.1	26	12	503	2.70	5	<1	<2	1	70	<.2	<.5	<.5	80	.66	.076	11	43	.67	166	.075	2	1.43	.041	.07	<1	<1	5.3	<1	<.02	4	.8
PW-139	.6	22	4	55	<.1	21	9	415	2.66	3	<1	<2	1	48	<.2	<.5	<.5	85	.32	.049	6	42	.39	136	.114	1	1.43	.014	.11	<1	<1	3.2	<1	<.02	4	.4
PW-140	.4	25	5	66	.1	25	13	752	2.82	2	<1	<2	1	78	<.2	<.5	<.5	61	.89	.023	8	36	.74	224	.086	6	1.67	.042	.06	<1	<1	5.2	<1	.03	5	11.1
PW-141	.6	35	3	46	<.1	24	11	360	2.80	5	<1	<2	1	51	<.2	<.5	<.5	88	.36	.076	8	43	.48	174	.085	1	1.66	.011	.12	<1	<1	4.9	<1	<.02	5	.9
PW-142	.5	33	3	45	<.1	24	12	372	2.73	4	<1	<2	2	49	<.2	<.5	<.5	86	.38	.060	9	42	.51	173	.080	1	1.63	.013	.11	<1	<1	4.9	<1	<.02	5	1.3
PW-143	.7	29	4	58	<.1	21	10	619	2.58	4	<1	<2	1	53	<.2	<.5	<.5	77	.47	.052	8	39	.39	192	.077	2	1.45	.012	.14	<1	<1	4.1	<1	.02	4	7.3
PW-144	.7	30	4	56	<.1	27	13	659	2.88	4	<1	<2	2	71	<.2	<.5	<.5	74	.85	.051	12	42	.66	236	.068	4	1.67	.033	.11	<1	<1	6.5	<1	.04	5	1.2
PW-145	.7	24	4	61	<.1	24	10	532	2.65	3	<1	<2	1	57	<.2	<.5	<.5	79	.42	.054	9	41	.46	203	.101	2	1.66	.017	.19	<1	<1	3.8	<1	.02	5	.5
PW-146	.8	32	5	75	.1	28	11	761	2.63	4	1	<2	1	71	.2	<.5	<.5	62	.75	.065	12	37	.48	265	.068	3	1.72	.017	.14	<1	<1	5.2	<1	.03	5	.7
RE PW-146	.8	33	5	78	.1	28	11	756	2.78	4	1	<2	1	73	<.2	<.5	<.5	67	.76	.065	12	40	.49	260	.077	3	1.77	.021	.14	<1	<1	5.3	<1	.03	5	2.7
PW-147	.9	19	5	66	.1	19	8	581	2.16	3	<1	<2	1	54	<.2	<.5	<.5	61	.45	.060	7	32	.34	186	.079	2	1.31	.019	.13	<1	<1	3.4	<1	.02	4	.5
PW-148	.7	23	4	76	<.1	24	9	522	2.63	4	<1	<2	1	56	<.2	<.5	<.5	73	.51	.059	9	39	.39	228	.083	2	1.60	.022	.13	<1	<1	5.0	<1	<.02	5	.2
PW-149	.7	31	4	68	.1	41	14	591	3.42	6	1	<2	2	84	<.2	<.5	<.5	77	.69	.052	11	51	.91	303	.063	3	1.71	.044	.07	<1	<1	8.6	<1	.02	5	1.1
PW-150	.7	33	4	59	.1	42	18	762	3.47	5	<1	<2	2	76	<.2	<.5	<.5	79	.71	.069	12	50	1.01	288	.060	4	1.67	.037	.16	<1	<1	9.0	<1	<.02	5	1.3
PW-151	1.1	29	5	71	.1	29	13	999	2.64	4	<1	<2	1	60	<.2	<.5	<.5	61	.77	.043	11	37	.50	448	.059	4	1.51	.023	.26	<1	<1	5.7	<1	.03	4	.2
PW-152	.7	24	3	56	<.1	33	13	599	3.34	5	<1	<2	2	70	<.2	<.5	<.5	79	.69	.068	11	43	.81	270	.042	5	1.21	.042	.07	<1	<1	8.8	<1	.03	4	9.2
PW-153	.9	18	4	60	.1	21	8	373	2.53	4	<1	<2	1	45	<.2	<.5	<.5	73	.40	.029	6	35	.38	304	.077	1	1.36	.027	.09	<1	<1	3.8	<1	<.02	4	.6
STANDARD DS3	9.5	130	36	158	.3	36	13	807	3.15	32	6	<2	4	26	5.7	5.5	5.7	77	.51	.095	18	185	.59	145	.083	2	1.72	.028	.16	4	<1	2.8	1	.03	6	22.1

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 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT BC Regional 01-1 File # A102726 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Tl ppm	Hg ppm	Au** ppb	Pt** ppb	Pd** ppb
MC-10	<1	37	3	70	<.3	50	16	979	2.99	6	<8	<2	<2	115	.2	<3	<3	75	1.04	.074	14	64	1.12	186	.08	<3	2.36	.06	.09	<2	<5	1	4	<2	<2
MC-11	<1	31	6	59	<.3	42	16	743	3.10	7	<8	<2	<2	115	.3	<3	<3	76	1.02	.078	14	47	1.13	152	.08	<3	2.05	.07	.09	<2	<5	1	56	5	2
MC-12	1	48	3	67	<.3	52	18	1081	3.07	7	<8	<2	<2	97	<.2	<3	<3	78	1.26	.081	18	51	1.09	128	.10	3	2.08	.07	.09	<2	<5	<1	39	2	<2
MC-13	1	23	3	60	<.3	34	15	733	2.98	2	<8	<2	<2	115	.2	<3	<3	75	.91	.065	14	47	.99	184	.09	<3	2.10	.06	.08	<2	<5	1	<2	<2	2
MC-14	<1	42	<3	36	<.3	27	14	644	3.21	3	<8	<2	<2	73	.2	<3	<3	105	.81	.067	10	53	.78	123	.06	<3	2.05	.05	.06	<2	<5	<1	8	<2	<2
MC-15	1	51	3	45	<.3	20	14	480	2.41	2	<8	<2	<2	49	.2	<3	<3	75	.51	.071	4	30	.75	85	.06	<3	1.66	.03	.04	<2	<5	<1	3	4	3
MC-16	<1	24	4	31	<.3	15	9	213	1.60	2	<8	<2	<2	46	<.2	<3	<3	38	.43	.055	3	26	.64	76	.06	<3	1.21	.02	.03	<2	<5	<1	6	<2	<2
MC-17	<1	44	<3	37	<.3	17	10	266	1.69	<2	<8	<2	<2	51	<.2	<3	<3	48	.50	.062	3	35	.85	109	.07	<3	1.54	.03	.04	<2	<5	<1	4	4	<2
MC-18	<1	66	3	42	<.3	22	17	542	2.88	2	<8	<2	<2	58	.2	<3	<3	97	.59	.087	4	36	.85	100	.07	<3	1.84	.03	.06	<2	<5	<1	3	2	3
MC-19	1	59	3	42	<.3	20	16	579	2.72	2	<8	<2	<2	48	<.2	<3	<3	92	.51	.078	4	36	.77	88	.06	<3	1.78	.03	.05	<2	<5	1	<2	3	3
MC-20	<1	43	6	56	<.3	25	20	1199	2.85	<2	<8	<2	<2	64	.3	<3	<3	94	.59	.087	10	41	.77	146	.05	<3	2.91	.03	.05	<2	<5	<1	<2	2	<2
MC-21	1	47	4	61	<.3	17	15	937	2.22	3	<8	<2	<2	71	.3	<3	<3	76	.77	.119	10	39	.60	127	.04	<3	2.33	.02	.06	<2	<5	1	7	<2	<2
MC-22	1	45	6	31	<.3	16	17	732	1.56	3	<8	<2	<2	48	.2	<3	<3	44	.62	.069	6	19	.41	85	.03	<3	1.53	.02	.03	<2	<5	<1	<2	<2	<2
MC-23	1	376	<3	29	<.3	35	53	615	2.86	2	<8	<2	<2	48	<.2	<3	<3	82	.57	.077	7	24	.75	116	.07	<3	2.61	.02	.04	<2	<5	1	6	3	<2
MC-24	1	78	6	71	<.3	23	19	768	2.58	<2	<8	<2	<2	66	<.2	<3	<3	76	.85	.098	7	30	.55	124	.04	<3	2.37	.03	.05	<2	<5	<1	<2	<2	<2
MC-25	<1	179	4	37	<.3	30	32	884	2.34	2	<8	<2	<2	59	<.2	<3	<3	58	.61	.073	13	35	.64	157	.06	<3	3.42	.03	.04	<2	<5	<1	7	<2	<2
MC-26	<1	47	<3	61	<.3	20	16	589	2.81	3	<8	<2	<2	58	<.2	<3	<3	98	.61	.075	7	44	.74	118	.06	<3	2.01	.03	.05	<2	<5	<1	2	4	3
MC-27	1	53	3	30	<.3	16	22	1128	2.94	2	<8	<2	<2	54	<.2	<3	<3	78	.61	.077	9	31	.53	108	.04	<3	1.88	.02	.04	<2	<5	1	<2	<2	<2
MC-28	<1	100	5	27	<.3	12	15	329	3.07	2	<8	<2	<2	157	<.2	<3	<3	135	1.17	.092	2	38	.66	66	.01	<3	2.51	.12	.04	<2	<5	<1	5	<2	<2
MC-29	<1	56	3	31	<.3	15	15	537	3.06	3	<8	<2	<2	66	<.2	<3	<3	129	.81	.079	4	44	.66	85	.04	<3	1.81	.07	.04	<2	<5	<1	9	5	2
MC-30	<1	62	<3	25	<.3	12	14	269	3.77	<2	<8	<2	<2	118	<.2	<3	<3	171	.98	.078	2	46	.70	48	.02	3	2.01	.10	.03	<2	<5	1	205	<2	<2
RE MC-30	<1	63	3	24	<.3	11	14	260	3.72	2	<8	<2	<2	120	<.2	<3	<3	171	.96	.076	1	47	.69	48	.02	<3	1.97	.09	.03	<2	<5	<1	10	<2	3
MC-31	<1	58	3	31	<.3	18	17	446	3.93	5	<8	<2	<2	74	.2	<3	<3	187	.89	.074	4	57	.71	76	.05	3	1.92	.08	.04	<2	<5	1	4	3	<2
MC-32	<1	48	<3	25	<.3	14	14	398	3.38	4	<8	<2	<2	66	<.2	<3	3	158	.70	.066	4	43	.50	77	.04	<3	1.66	.05	.04	<2	<5	<1	12	<2	<2
MC-33	<1	53	3	30	<.3	16	15	428	3.29	3	<8	<2	<2	72	<.2	<3	<3	149	.87	.077	4	48	.65	75	.04	<3	1.80	.08	.04	<2	<5	1	<2	<2	<2
MC-34	1	57	5	34	<.3	16	15	428	3.09	<2	<8	<2	<2	82	.3	<3	<3	129	.92	.080	4	43	.69	87	.04	<3	2.03	.09	.04	<2	<5	<1	8	3	2
MC-35	<1	47	<3	28	<.3	13	13	357	3.35	<2	<8	<2	<2	68	<.2	<3	3	162	.83	.084	3	52	.55	69	.04	<3	1.69	.08	.04	<2	<5	<1	7	6	7
MC-36	<1	54	5	49	<.3	23	18	687	3.37	3	<8	<2	<2	66	.4	<3	<3	113	.73	.080	6	62	.92	109	.05	3	2.15	.04	.06	<2	<5	<1	7	2	6
MC-37	1	70	4	45	<.3	33	23	1270	2.91	3	<8	<2	<2	76	.2	<3	<3	75	.77	.083	10	42	.87	168	.07	<3	2.82	.02	.07	<2	<5	<1	5	<2	<2
MC-38	<1	45	6	36	<.3	17	14	511	2.99	<2	<8	<2	<2	46	<.2	<3	<3	113	.54	.075	4	34	.67	86	.07	<3	1.47	.03	.05	<2	<5	<1	7	<2	3
MC-39	<1	46	<3	36	<.3	20	14	534	2.61	4	<8	<2	<2	89	.3	<3	<3	90	.87	.067	7	38	.68	124	.04	<3	2.87	.06	.05	<2	<5	<1	7	<2	<2
MC-40	<1	31	3	34	<.3	17	11	392	2.18	<2	<8	<2	<2	75	<.2	<3	<3	74	.76	.067	7	30	.62	105	.04	<3	2.66	.05	.03	<2	<5	<1	<2	3	<2
MC-41	1	42	7	36	<.3	23	20	1827	3.95	5	<8	<2	<2	91	.2	<3	<3	132	.93	.097	12	40	.61	176	.04	<3	4.19	.04	.04	<2	<5	<1	<2	2	2
MC-42	<1	70	3	57	<.3	30	21	723	2.98	<2	<8	<2	<2	46	<.2	<3	<3	80	.84	.061	9	45	1.34	136	.10	<3	2.31	.02	.18	<2	<5	1	4	<2	2
STANDARD C3/FA-10R	26	66	37	167	6.0	36	12	793	3.31	56	21	2	19	27	21.5	15	20	79	.57	.092	17	168	.60	158	.08	18	1.84	.04	.16	16	<5	<1	503	482	496

GROUP 1D - 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-ES.
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. AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 15 2001 **DATE REPORT MAILED:** Aug 24/01 **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 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT BC Regional 01-1 File # A102728

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Tl ppm	Hg ppm	Au** ppb	Pt** ppb	Pd** ppb
MC-R13	11	22	<3	10	.7	19	7	181	.97	60	<8	<2	<2	22	<.2	<3	<3	16	.03	.007	1	122	.02	164	<.01	<3	.13	.01	.02	3	<5	<1	130	<2	<2
MC-R14	12	14	<3	7	3.2	10	2	98	.66	100	<8	<2	<2	19	<.2	<3	<3	9	.57	.008	1	97	.02	96	<.01	<3	.09	.01	.03	3	<5	<1	898	4	<2
MC-R15	3	1142	8	25	<.3	109	321	578	11.40	7	<8	<2	<2	11	<.2	<3	3	59	.26	.007	<1	65	3.57	16	.10	<3	3.73	.01	.07	2	<5	<1	12	12	10
MC-R16	1	337	<3	10	<.3	7	15	274	5.53	48	<8	<2	<2	37	<.2	6	<3	84	.73	.059	3	18	.60	75	.15	<3	1.14	.04	.04	<2	<5	8	7	3	<2
MC-R17	2	132	5	19	<.3	10	18	325	4.30	30	<8	<2	<2	19	<.2	<3	<3	109	.52	.107	3	28	1.18	116	.28	<3	1.69	.05	.28	<2	<5	4	8	<2	<2
MC-R18	8	12	<3	<1	<.3	3	8	23	3.41	<2	<8	<2	<2	5	<.2	<3	3	6	.02	.005	2	45	.03	62	<.01	<3	.34	.02	.20	<2	<5	1	7	3	<2
MC-R19	11	39	<3	<1	<.3	7	4	41	3.89	<2	<8	<2	<2	27	<.2	<3	<3	17	.10	.010	1	68	.03	47	.02	<3	.46	.11	.05	<2	<5	1	11	<2	<2
RE MC-R19	12	38	<3	1	.4	9	3	41	3.79	2	<8	<2	<2	27	<.2	<3	<3	17	.10	.010	2	68	.03	45	.02	<3	.46	.11	.05	<2	<5	1	13	3	<2
STANDARD C3/FA-10R	26	68	34	171	6.0	38	11	807	3.39	54	21	<2	20	28	23.3	15	22	79	.57	.087	18	167	.63	151	.10	18	1.87	.04	.16	16	<5	1	468	478	459
STANDARD G-2	2	6	<3	43	<.3	9	4	554	2.04	<2	<8	<2	4	72	<.2	<3	<3	40	.66	.094	7	77	.61	224	.14	3	.93	.08	.46	3	<5	1	-	-	-

GROUP 1D - 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-ES.
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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 15 2001 **DATE REPORT MAILED:** Aug 27/01 **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 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT BCR01-2 File # A103347

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 ppm	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	.2	1	<2	<1	<.1	1	<1	2	.03	1	<1	<2	<1	3	<.2	<.5	<.5	<1	.14	<.001	<1	3	<.01	1	<.001	<1	.01	.633	.01	<1	<1	<.1	<1	<.02	<1	<.2
MC-R25	7.4	7	<2	6	1.4	9	3	131	.64	18	<1	<2	<1	9	<.2	.7	<.5	13	.11	.031	2	79	.06	17	.004	1	.61	.014	.02	1	<1	.7	<1	.02	<1	655.5
MC-R26	8.6	36	3	57	.4	59	21	931	3.87	36	<1	<2	2	81	<.2	.8	<.5	73	2.55	.140	15	81	1.15	31	.002	4	1.96	.030	.12	<1	<1	6.2	<1	1.11	3	11.0
MC-R27	.8	108	2	57	1.0	17	19	776	3.89	12	<1	<2	2	74	<.2	<.5	<.5	85	2.64	.104	15	43	1.36	21	.003	6	1.73	.026	.16	<1	<1	4.2	<1	.41	2	12.8
MC-R28	6.4	15	<2	5	18.9	8	1	44	.43	32	<1	<2	<1	6	<.2	.6	<.5	5	.06	.010	1	74	.05	9	<.001	1	.22	.011	.10	2	<1	.3	<1	.11	<1	316.0
MC-R29	2.8	15	<2	8	4.7	17	4	152	.92	126	<1	<2	<1	27	<.2	4.7	<.5	21	.40	.019	2	107	.17	143	.001	2	.66	.004	.03	1	<1	.9	<1	.10	<1	653.2
MC-R30	2.7	37	<2	6	1.3	9	2	105	.63	31	<1	<2	<1	5	<.2	<.5	<.5	9	.32	.010	1	107	.08	6	.001	2	.30	.002	.03	1	<1	.4	<1	.18	<1	767.3
MC-R31	6.9	32	3	35	1.2	61	22	366	2.96	314	<1	<2	1	29	<.2	5.2	<.5	69	.56	.135	12	147	.51	10	.055	5	2.13	<.001	.18	<1	<1	2.7	<1	1.00	2	301.3
MC-R32	59.7	17	<2	5	2.4	13	2	59	.61	25	<1	<2	<1	3	<.2	.9	<.5	8	.04	.013	2	117	.12	5	.001	1	.20	.007	.04	2	<1	.3	<1	.07	<1	756.3
MC-R33	4.6	15	2	3	48.4	6	2	22	.87	50	<1	36	<1	10	<.2	8.8	<.5	9	.03	.017	1	55	.03	26	.001	2	.38	.006	.22	1	6	1.4	<1	.55	<1	43339.7
MC-R34	3.4	11	<2	13	.9	15	5	363	1.20	17	<1	<2	<1	17	<.2	<.5	<.5	39	.57	.023	2	94	.23	14	.001	1	.92	.008	.09	1	<1	1.4	<1	.07	<1	164.0
MC-R35	1.3	2	<2	1	.2	4	1	57	.68	1	<1	<2	<1	10	<.2	<.5	<.5	11	.05	.002	<1	83	.29	9	.006	<1	.14	.040	.01	1	<1	.1	<1	<.02	<1	74.0
MC-R36	14.5	14	<2	4	.6	6	3	34	.56	104	<1	<2	<1	8	<.2	<.5	<.5	12	.05	.024	2	53	.02	82	<.001	1	.39	.004	.16	1	<1	.5	<1	.12	<1	205.8
MC-R37	14.4	13	<2	8	15.9	11	4	123	.94	82	<1	<2	<1	12	<.2	1.1	<.5	19	.04	.026	2	91	.05	22	.001	2	.59	.008	.09	1	<1	1.0	<1	.06	<1	754.4
MC-R38	10.4	32	2	13	5.2	15	5	227	1.09	146	<1	<2	<1	16	<.2	5.6	<.5	26	.26	.038	2	105	.11	29	.002	2	.87	<.001	.03	2	<1	1.2	<1	.21	<1	1742.9
MC-R39	20.5	17	<2	9	4.3	10	4	209	1.09	88	<1	<2	<1	7	<.2	.7	<.5	21	.07	.046	3	81	.03	15	.003	2	.71	.006	.11	1	<1	1.0	<1	.04	<1	859.2
MC-R40	13.9	30	<2	8	1.2	11	4	151	1.04	11	<1	<2	<1	18	<.2	<.5	<.5	17	.29	.007	1	92	.06	107	.001	3	.38	.026	.02	2	<1	1.1	<1	.16	<1	279.2
RE MC-R40	13.2	29	<2	7	1.2	11	4	156	.98	10	<1	<2	<1	17	<.2	<.5	<.5	18	.28	.007	1	91	.06	109	.001	2	.37	.019	.02	2	<1	1.0	<1	.17	<1	267.4
MC-R41	4.7	39	<2	13	1.3	16	7	277	1.25	150	<1	<2	<1	34	<.2	4.5	<.5	41	.22	.045	4	100	.04	49	.002	3	1.28	.004	.01	1	<1	1.7	<1	.18	<1	586.0
MC-R42	3.0	15	<2	10	1.5	16	4	262	.94	60	<1	<2	<1	29	<.2	.9	<.5	20	.38	.027	3	101	.15	39	.001	2	.50	.008	.03	2	<1	.7	<1	.09	<1	139.7
MC-R43	11.3	13	<2	9	.5	14	5	204	.90	66	<1	<2	<1	10	<.2	1.4	<.5	7	.41	.020	1	37	.14	18	.002	2	.26	.006	.10	2	<1	.5	<1	.20	<1	203.1
MC-R44	2.7	12	<2	3	.5	5	1	100	.50	15	<1	<2	<1	6	<.2	<.5	<.5	7	.11	.007	1	27	.04	8	.002	1	.16	<.001	.02	2	<1	.4	<1	.03	<1	325.5
MC-R45	3.1	65	<2	2	.1	4	6	95	.95	2	<1	<2	<1	6	<.2	.6	.5	10	.16	.002	<1	27	.01	15	.004	2	.25	.002	.02	3	2	.5	<1	<.02	<1	151.9
MC-R46	5.2	455	6	3024	.7	32	48	2062	9.79	1	<1	<2	<1	4	24.2	<.5	<.5	215	.12	.037	<1	68	3.00	20	.047	<1	2.44	.031	.09	<1	<1	10.0	<1	4.69	8	9.0
MC-R47	27.4	290	10	1320	1.1	20	16	1867	7.78	1	<1	<2	<1	5	2.9	<.5	<.5	249	.08	.058	1	141	3.08	27	.035	1	2.63	.024	.10	<1	1	17.5	<1	.55	10	25.0
MC-R48	2.3	54	<2	17	.1	3	3	58	.61	1	<1	<2	<1	4	.2	<.5	<.5	8	.01	.003	<1	21	.05	12	.001	1	.06	.011	.01	2	<1	.2	<1	.02	<1	2.0
MC-R49	.3	190	6	910	.7	8	6	2325	6.66	<1	<1	<2	<1	7	.8	<.5	<.5	373	.06	.063	1	93	4.28	16	.040	<1	3.20	.011	.04	<1	<1	22.9	<1	.20	14	6.0
MC-R50	29.3	385	46	509	1.6	7	7	349	3.55	5	<1	<2	<1	5	2.6	<.5	<.5	78	.01	.016	<1	51	.83	60	.007	2	.85	.016	.09	1	<1	2.5	<1	.83	3	35.4
MC-R51	2.4	78	<2	10	<.1	4	2	83	.43	1	<1	<2	4	11	<.2	<.5	<.5	8	.16	.002	2	21	.17	28	.021	1	.36	.031	.03	2	<1	.2	<1	<.02	<1	1.0
MC-R52	5.3	14	<2	12	<.1	25	19	98	5.19	1	<1	<2	1	5	<.2	<.5	<.5	21	.05	.025	4	28	.23	40	.031	15	.48	.010	.12	1	<1	1.5	<1	.34	2	15.7
MC-R53	14.2	795	<2	8	.1	10	37	72	3.50	67	1	<2	<1	4	<.2	.7	<.5	62	.02	.020	1	26	.07	16	.008	<1	.26	<.001	.03	3	<1	.4	<1	.04	2	10.4
MC-R54	3.2	25	<2	6	<.1	3	1	39	.40	1	<1	<2	<1	1	<.2	<.5	<.5	4	<.01	.002	<1	22	.02	4	.002	<1	.04	.006	<.01	2	<1	.1	<1	<.02	<1	.8
STANDARD	9.6	128	35	165	.3	37	13	825	3.25	32	6	<2	4	29	5.8	5.0	5.5	84	.52	.104	19	162	.62	155	.097	4	1.88	.028	.23	4	<1	2.6	1	.02	7	22.5

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-ES.
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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 24 2001 **DATE REPORT MAILED:** Oct 9/01 **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.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT BCR01-2 File # A103347R
1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: W. Jakubowski

SAMPLE#	Ag** gm/mt	Au** gm/mt
MC-R33	130.7	38.14
MC-R38	11.2	2.00
RE MC-R38	9.7	1.81
STANDARD R-1/AU-1	101.8	3.37

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 1 2001 **DATE REPORT MAILED:** Nov 7/01 **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

Fairfield Minerals Ltd. PROJECT BCR01-2 File # A103349
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 ppm	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
MC-S33	.5	37	3	49	.1	35	13	473	3.12	4	<1	<2	1	87	<.2	<.5	<.5	98	.61	.093	12	59	.89	142	.109	2	2.40	.037	.15	<1	<1	6.4	<1	.02	5.7	.4
MC-S34	1.4	87	12	263	.1	141	34	1210	10.34	40	1	<2	4	47	.6	.9	<.5	551	.28	.043	16	236	.26	301	.014	4	.96	<.001	.08	<1	<1	32.0	<1	<.02	3.3	7.3
MC-S35	.4	439	4	3104	.5	48	14	807	2.57	2	1	<2	1	28	7.2	<.5	<.5	89	.37	.065	5	50	.76	124	.122	1	2.90	.021	.07	<1	<1	4.4	<1	<.02	7.1	1.9
MC-S36	.8	43	5	544	.1	26	14	377	2.45	2	<1	<2	1	17	2.0	<.5	<.5	76	.22	.057	3	41	.77	108	.139	2	2.84	.026	.08	<1	<1	2.4	<1	<.02	9.1	.5
MC-S37	.5	50	4	145	.1	27	16	704	2.82	3	<1	<2	1	17	.5	<.5	<.5	89	.18	.140	3	49	.91	106	.113	1	2.98	.006	.06	<1	<1	3.7	<1	<.02	9.3	.2
MC-S38	.4	40	5	82	.1	24	13	901	2.31	2	<1	<2	1	19	.3	<.5	<.5	74	.22	.061	3	44	.69	121	.119	1	2.32	.026	.06	<1	<1	2.5	<1	<.02	7.4	.2
RE MC-S38	.4	47	3	46	.1	29	15	388	2.81	2	<1	<2	1	39	<.2	<.5	<.5	103	.28	.033	3	59	.90	176	.142	1	2.92	.015	.05	<1	<1	3.3	<1	<.02	7.7	.6
MC-S39	.4	45	3	44	.1	29	15	383	2.82	2	<1	<2	1	37	<.2	<.5	<.5	103	.28	.033	3	56	.86	174	.149	1	2.87	.011	.05	<1	<1	3.4	<1	<.02	7.3	.4
MC-S40	23.4	24	3	51	.1	20	41	504	12.46	4	1	<2	1	58	<.2	<.5	<.5	155	.25	.200	5	69	.60	304	.157	1	1.88	.026	.22	<1	<1	5.3	<1	.50	9.1	2.8
MC-S41	1.3	25	6	41	<.1	8	15	524	3.91	22	1	<2	2	63	<.2	<.5	<.5	80	.63	.067	11	14	.39	139	.007	<1	1.58	.030	.03	<1	<1	9.0	<1	<.02	4.4	.3
MC-S42	1.3	52	<2	35	<.1	14	16	404	2.63	2	1	<2	1	40	<.2	<.5	<.5	69	.67	.082	9	30	.96	161	.110	1	1.88	.023	.23	<1	<1	3.6	<1	.02	5.8	1.0
STANDARD DS3	9.2	120	35	158	.3	34	12	764	2.97	30	6	<2	4	26	5.4	4.8	5.5	79	.52	.100	17	186	.57	164	.081	3	1.74	.033	.17	4	<1	2.7	1	<.02	6.2	20.1
STANDARD G-1	.8	2	2	42	<.1	4	4	530	1.69	<1	3	<2	5	60	<.2	<.5	<.5	39	.49	.101	7	12	.57	265	.119	2	.89	.056	.52	2	<1	1.4	<1	<.02	5.1	<.2

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-ES.
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 AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 24 2001 **DATE REPORT MAILED:** Oct 5/01 **SIGNED BY** C. Leong ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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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

Fairfield Minerals Ltd. PROJECT BCR01-2 File # A103350

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 ppm	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	Pt** ppb	Pd** ppb
MC-S20	.5	74	3	50	<.1	35	22	854	2.98	3	<1	<2	2	100	<.2	<.5	<.5	107	1.11	.099	9	55	1.30	111	.109	2	2.14	.052	.10	<1	<1	6.5	<1<.02	6	<2	5	4
MC-S23	.6	72	2	37	<.1	117	59	863	4.28	3	<1	<2	1	69	<.2	<.5	<.5	83	.57	.051	5	100	2.96	85	.100	3	2.32	.035	.08	<1	<1	3.7	<1<.02	7	2	4	10
MC-S24	.9	146	3	43	.1	104	48	420	3.64	3	<1	<2	1	95	<.2	<.5	<.5	67	.67	.049	2	99	2.40	206	.074	4	5.10	.049	.18	<1	<1	2.0	<1<.02	8	<2	5	7
MC-S25	.6	407	<2	39	<.1	45	44	384	3.29	2	<1	<2	2	67	<.2	<.5	<.5	102	.55	.053	2	36	1.57	316	.185	1	3.15	.022	.52	<1	<1	1.6	<1<.02	7	<2	2	2
MC-S26	3.3	322	4	50	.1	26	37	453	3.95	3	<1	<2	1	40	<.2	<.5	<.5	81	.39	.154	5	28	1.05	185	.112	2	2.84	.011	.21	<1	<1	3.2	<1 .06	8	<2	3	2
MC-S27	.5	69	3	44	<.1	39	21	610	3.38	2	1	<2	2	103	<.2	<.5	<.5	106	.72	.087	13	53	1.28	132	.157	1	2.55	.027	.14	<1	<1	6.6	<1<.02	7	3	2	<2
MC-S28	1.1	176	4	49	<.1	55	53	276	3.28	2	<1	<2	1	42	<.2	<.5	<.5	99	.31	.096	5	41	.86	106	.131	1	3.28	.023	.09	<1	<1	3.1	<1 .02	7	2	4	2
RE MC-S28	1.0	176	4	48	<.1	52	53	287	3.30	2	<1	<2	1	42	<.2	<.5	<.5	99	.30	.096	5	44	.91	106	.126	3	3.36	.016	.09	<1	<1	3.1	<1 .02	8	<2	<2	<2
MC-S29	.3	53	2	39	<.1	34	17	439	3.05	2	<1	<2	2	114	<.2	<.5	<.5	102	.72	.074	10	52	1.15	118	.129	2	2.31	.027	.05	<1	<1	6.2	<1<.02	6	<2	2	<2
MC-S30	.5	66	3	45	<.1	41	21	432	3.20	2	<1	<2	2	74	<.2	<.5	<.5	102	.43	.062	7	52	1.15	146	.139	1	3.41	.031	.07	<1	<1	4.2	<1<.02	8	2	<2	<2
MC-S31	.8	99	3	38	.2	23	20	202	3.44	2	<1	<2	1	24	<.2	<.5	<.5	104	.22	.135	3	37	.61	80	.096	2	2.75	.012	.04	<1	<1	2.4	<1<.02	9	3	<2	<2
MC-S32	.6	99	2	23	.3	21	15	157	2.66	2	<1	<2	1	22	<.2	<.5	<.5	82	.16	.080	2	33	.53	83	.079	1	3.01	.008	.04	<1	<1	1.9	<1<.02	6	<2	2	<2
STANDARD DS3/AU-S	10.1	128	37	153	.3	35	13	817	3.23	30	6	<2	4	28	5.7	5.0	5.8	80	.54	.101	17	183	.63	167	.087	3	1.83	.028	.17	3	<1	2.8	1 .02	7	47	-	-
STANDARD G-1	.9	2	2	38	<.1	5	4	534	1.59	<1	3	<2	5	58	<.2	<.5	<.5	39	.50	.111	6	14	.59	251	.127	3	.89	.057	.49	2	<1	1.5	<1<.02	5	<2	<2	3

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-ES.
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 AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 24 2001 **DATE REPORT MAILED:** Oct 9/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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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

Fairfield Minerals Ltd. PROJECT BCR01-2 File # A103351

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 ppm	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
MC-82	.4	29	3	48	<.1	45	17	657	2.96	2	<1	<2	2	104	<.2	<.5	<.5	97	.73	.091	10	64	1.24	102	.130	2	1.55	.069	.07	<1	<1	3.8	<1	.02	4.9	3.2
MC-83	.6	47	4	43	.1	27	13	900	2.47	1	2	<2	1	85	.2	<.5	<.5	63	1.09	.066	23	42	.86	519	.062	3	2.42	.012	.09	<1	<1	5.2	<1	.08	6.4	.8
MC-84	.6	27	5	78	.2	45	15	747	2.74	1	1	<2	1	106	<.2	<.5	<.5	77	.94	.099	16	55	1.07	197	.102	3	3.20	.026	.07	<1	<1	5.9	<1	.04	8.2	.2
MC-85	1.6	68	3	33	.1	24	11	436	1.84	2	5	<2	1	84	<.2	<.5	<.5	47	.97	.067	18	48	.60	118	.060	2	1.77	.010	.05	<1	<1	3.1	<1	.05	4.7	3.2
MC-86	1.5	45	5	35	.1	24	14	1340	2.30	3	2	<2	<1	98	.2	<.5	<.5	68	1.11	.094	19	34	.68	165	.063	2	2.22	.011	.05	<1	<1	3.7	<1	.08	5.7	.3
MC-87	.4	24	3	57	<.1	46	17	736	3.08	5	1	<2	1	95	<.2	<.5	<.5	92	.79	.093	12	52	1.33	109	.113	5	1.88	.045	.06	<1	<1	5.1	<1	.02	5.2	.5
MC-88a	.5	22	5	55	.1	35	15	818	2.75	6	1	<2	2	113	<.2	<.5	<.5	68	.77	.100	17	35	1.01	209	.086	3	2.38	.052	.07	<1	<1	6.6	<1	.04	5.5	.4
MC-88b	.5	23	4	52	<.1	36	16	757	2.97	5	1	<2	2	136	<.2	<.5	<.5	82	.87	.103	15	37	1.08	161	.111	3	2.03	.050	.08	<1	<1	4.8	<1	.02	5.4	.8
RE MC-88b	.5	22	4	50	<.1	34	15	726	2.81	4	1	<2	1	127	<.2	<.5	<.5	75	.79	.099	14	35	1.06	151	.101	1	1.89	.044	.07	<1	<1	4.5	<1	.03	4.9	1.0
MC-89	.6	25	4	58	.1	38	15	649	3.28	3	1	<2	1	92	<.2	<.5	<.5	118	.83	.086	12	82	1.05	133	.131	4	1.78	.062	.06	<1	<1	4.6	<1	.02	5.3	.4
MC-90	.6	32	4	95	.1	40	14	734	2.72	3	<1	<2	1	94	<.2	<.5	<.5	81	.98	.069	11	45	.94	350	.116	5	1.63	.049	.09	<1	<1	4.8	<1	.05	4.7	.8
MC-91	.2	23	4	46	.1	36	16	477	3.04	3	1	<2	2	117	<.2	<.5	<.5	97	.92	.037	9	55	1.15	92	.138	1	2.29	.049	.07	<1	<1	5.9	<1	<.02	6.5	.6
MC-92	.4	28	7	61	.1	55	18	635	3.24	3	<1	<2	1	144	<.2	<.5	<.5	95	1.23	.080	11	65	1.25	154	.099	3	2.21	.065	.06	<1	<1	5.5	<1	.02	5.8	.9
MC-93	.4	27	3	72	.1	47	16	581	2.91	1	1	<2	2	122	<.2	<.5	<.5	88	1.04	.069	12	53	1.17	118	.130	3	1.90	.069	.09	<1	<1	5.0	<1	<.02	5.5	.5
MC-11-1	.5	28	4	59	.1	43	17	793	3.09	9	<1	<2	2	114	<.2	.6	<.5	79	.84	.083	13	53	1.19	157	.097	3	1.89	.044	.10	<1	<1	5.5	<1	.02	5.6	18.5
MC-11-2	.6	23	4	63	.1	36	14	730	2.67	6	<1	<2	1	118	<.2	<.5	<.5	76	1.01	.080	15	49	1.00	184	.080	3	1.91	.050	.08	<1	<1	4.9	<1	.03	5.3	4.7
STANDARD DS3	9.3	123	35	159	.3	36	12	818	3.05	31	6	<2	4	26	5.6	5.4	5.4	73	.52	.093	17	189	.57	177	.081	2	1.73	.032	.17	4	<1	2.5	1	.04	6.4	20.4
STANDARD G-1	.9	2	2	40	<.1	3	4	523	1.55	<1	2	<2	5	55	<.2	<.5	<.5	35	.42	.093	7	12	.55	267	.123	3	.79	.036	.48	2	<1	1.2	<1	.02	4.4	<.2

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-ES.
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. AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 24 2001 DATE REPORT MAILED: Oct 5/01 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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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

Fairfield Minerals Ltd. PROJECT BCR01-3 File # A103756

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 ppm	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	1	2	1	<.1	1	<1	6	.04	<1	<1	<2	<1	4	<.2	<.5	<.5	<1	.15	.001	<1	4	<.01	4	<.001	<1	.01	.632	.01	<1	<1	<.1	<1	<.02	<1	.2
MC-R55	4.1	11	3	9	<.1	13	4	151	.80	1	<1	<2	<1	107	<.2	<.5	<.5	19	.40	.015	2	116	.37	93	.020	<1	.64	.063	.08	1	<1	1.1	<1	<.02	1	.4
MC-R56	3.7	14	<2	9	3.0	9	2	360	.60	24	<1	3	<1	51	<.2	.6	<.5	12	2.23	.016	2	114	.08	49	.006	<1	.16	.016	.04	2	<1	.5	<1	.03	<1	4803.5
MC-R57	35.1	19	3	14	1.1	14	6	264	1.38	130	<1	<2	<1	15	<.2	1.1	<.5	20	.09	.050	5	91	.07	30	.002	<1	.29	.004	.12	1	<1	.9	<1	.09	1	322.2
MC-R58	4.0	19	<2	9	1.3	12	5	238	1.02	17	<1	<2	<1	12	<.2	.5	<.5	23	.33	.042	5	98	.16	10	.002	<1	.20	.006	.04	1	<1	1.3	<1	.02	<1	234.2
MC-R59	13.6	22	4	31	2.3	61	21	447	3.05	139	<1	<2	<1	36	<.2	3.8	<.5	59	1.94	.059	5	89	.93	28	.004	1	.33	.003	.08	<1	<1	5.5	<1	1.05	2	241.7
MC-R60	3.5	14	2	20	.8	37	12	351	1.97	31	<1	<2	<1	27	<.2	.7	<.5	39	.82	.039	4	47	.48	24	.006	<1	.30	.006	.05	2	<1	2.8	<1	.39	1	89.6
RE MC-R60	3.4	13	2	20	.8	36	12	352	1.98	31	<1	<2	<1	27	<.2	.7	<.5	38	.82	.039	4	47	.48	25	.005	<1	.29	.005	.05	2	<1	2.8	<1	.38	1	61.4
MC-R61	4.3	12	23	4	1.0	7	1	120	.41	8	<1	<2	<1	6	<.2	<.5	<.5	5	.09	.007	2	109	.01	10	.001	<1	.06	.007	.01	2	<1	.4	<1	.02	<1	558.1
MC-R62	6.7	39	<2	8	1.9	9	3	162	.80	36	<1	<2	<1	13	<.2	.8	<.5	10	.17	.018	2	30	.11	18	.002	<1	.16	.018	.04	1	<1	.6	<1	.05	<1	278.8
MC-R63	4.5	29	2	15	3.2	25	8	238	1.65	59	<1	4	<1	12	<.2	.7	<.5	26	.28	.065	6	45	.09	18	.003	3	.31	.003	.12	2	<1	2.0	<1	.13	1	4125.9
MC-R64	1.7	24	2	29	<.1	25	11	962	2.20	3	<1	<2	1	73	<.2	<.5	<.5	60	1.68	.022	3	111	.49	123	.002	5	.65	.066	.05	<1	<1	4.3	<1	.05	2	9.1
MC-R65	34.5	151	3	11	3.0	13	4	249	.96	255	<1	<2	<1	13	<.2	5.6	<.5	15	.07	.014	1	108	.04	76	.001	<1	.12	.009	.03	2	1	.8	<1	.17	<1	919.7
MC-R66	3.2	32	2	26	<.1	12	6	732	1.26	12	<1	<2	<1	75	<.2	<.5	<.5	26	.26	.038	4	33	.12	342	.007	3	.56	.035	.09	2	<1	1.7	<1	.02	1	7.9
MC-R67	2.9	8	<2	8	<.1	11	4	162	.77	<1	<1	<2	<1	20	<.2	<.5	<.5	14	.18	.021	3	27	.29	21	.030	1	.27	.039	.04	2	<1	.6	<1	<.02	<1	2.4
MC-R68	1.8	189	2	53	.1	19	8	523	1.71	63	<1	<2	1	52	.2	5.3	<.5	46	.16	.033	3	86	.03	183	.003	4	.69	.005	.03	<1	1	3.3	<1	.02	2	1.8
MC-R69	24.4	32	3	30	.5	33	12	378	2.09	32	<1	<2	<1	13	<.2	.5	<.5	55	.27	.060	6	81	.19	91	.002	2	.40	.002	.07	<1	<1	3.4	<1	.17	2	38.0
STANDARD DS3	9.8	128	35	164	.3	35	13	822	3.35	31	6	<2	4	30	5.8	5.1	5.7	82	.55	.099	18	193	.65	145	.093	2	1.83	.031	.18	3	<1	3.0	1	.03	7	24.8

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-ES.
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 AU* IGNITION BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 23 2001 DATE REPORT MAILED: Oct 31/01 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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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

Fairfield Minerals Ltd. PROJECT BCR01-3 File # A103757

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 ppm	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
D01-S1	45.3	547	5	38	.3	17	16	366	6.00	11	<1	<2	1	58	<.2	<.5	<.5	119	.67	.116	6	27	.75	107	.102	2	3.00	.014	.07	<1	<1	5.8	<1	.05	9	14.7
D01-S2	142.4	1032	9	28	.4	25	42	316	14.39	11	1	<2	1	109	<.2	<.5	.9	143	1.41	.189	13	23	.96	54	.127	1	3.96	.008	.08	1	<1	9.6	<1	.06	12	53.2
MC-S43	.5	54	7	76	<.1	123	33	1158	5.07	1	1	<2	1	65	<.2	<.5	<.5	101	.84	.072	10	201	3.10	62	.097	1	2.21	.046	.13	<1	<1	7.3	<1	<.02	8	1.2
MC-S44	.5	19	9	91	<.1	8	9	1004	3.34	3	1	<2	2	69	<.2	<.5	<.5	65	.75	.058	21	17	.87	95	.008	2	2.00	.010	.18	<1	<1	6.5	<1	<.02	7	.6
RE MC-S44	.5	20	9	91	<.1	9	9	973	3.41	3	1	<2	2	64	.2	<.5	<.5	60	.67	.057	20	17	.86	91	.007	2	2.10	.011	.17	<1	<1	6.3	<1	<.02	8	1.2
STANDARD DS3	9.0	128	35	156	.3	37	13	868	3.20	30	7	<2	4	29	5.4	4.8	5.7	76	.52	.093	19	184	.62	144	.093	2	1.70	.028	.16	4	<1	2.6	1	.03	6	20.0

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-ES.
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 AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 23 2001 **DATE REPORT MAILED:** Oct 31/01 **SIGNED BY** C. Leong .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

Fairfield Minerals Ltd. PROJECT BCR01-3 File # A103758

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 ppm	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
MC-101	.4	16	5	54	<.1	17	11	864	2.30	4	<1	<2	1	144	<.2	<.5	<.5	67	.78	.047	14	35	.59	271	.042	3	1.46	.041	.08	<1	<1	3.7	<1	<.02	5	1.0
MC-102	.6	74	4	47	.1	26	16	612	3.19	3	1	<2	1	72	<.2	<.5	<.5	93	1.08	.077	13	42	.92	152	.093	4	1.85	.025	.23	<1	<1	4.9	<1	.04	6	1.3
MC-103	.8	93	4	37	.1	23	16	584	3.00	3	1	<2	1	65	<.2	<.5	<.5	83	1.34	.081	12	41	.87	142	.076	5	1.87	.017	.17	<1	<1	4.7	<1	.06	5	1.2
RE MC-103	.9	98	4	39	.1	23	17	581	2.89	3	1	<2	1	69	<.2	<.5	<.5	78	1.37	.082	12	40	.90	148	.075	5	1.96	.016	.18	<1	<1	4.8	<1	.06	6	1.1
STANDARD DS3	9.7	129	34	162	.3	34	13	841	3.31	32	7	<2	4	29	5.7	5.5	5.7	76	.54	.098	19	187	.58	147	.092	<1	1.66	.029	.16	4	<1	2.7	1	.02	7	20.3

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-ES.
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. AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 23 2001 **DATE REPORT MAILED:** Nov 1/01 **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

Fairfield Minerals Ltd. File # A104034

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	.6	10	16	9	.1	1	<1	45	.09	10	<1	<2	<1	3	.1	8.3	.2	<1	.13	.001	<1	4	<.01	14	<.001	1	.02	.438	.01	<1	1	<.1	<1	<.02	<1	1.9
MC-R70	3.9	12	10	15	7.5	9	3	244	.72	97	<1	<2	<1	8	.1	4.4	<.1	10	.26	.012	2	50	.04	19	<.001	<1	.16	.008	.02	1	1	.8	<1	.07	1	1468.2
STANDARD DS3	9.5	132	33	160	.3	34	12	804	2.95	28	7	<2	4	30	5.6	5.0	5.5	72	.56	.089	18	195	.62	158	.083	3	1.67	.028	.17	3	<1	2.7	1	.05	6	21.5

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-ES.
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* BY ACID LEACHED, ANALYZE BY ICP-MS. (30 gm)

DATE RECEIVED: NOV 15 2001 **DATE REPORT MAILED:** Nov 26/01 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

APPENDIX "B"
2002 Analytical Results from Silt, Soil and Rock Samples

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
Reconnaissance Soil Samples													
PV02-S1	627623	5549578	417	0.4	0.1	8.6	0.5	0.02	3.2	119	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery mtrl to 20-25cm depth, near toe of 2-2.5m bank.
PV02-S10	627544	5549404	517	0.4	0.1	8.8	0.9	0.04	7.1	146	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn to red-brn lumpy mtrl @ 10-20cm depth, near toe of 4m bank below old ln
PV02-S11	627580	5549215	514	0.4	0.1	12	0.7	0.02	11.1	129	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery mtrl to 15cm depth, toe of 1.3m bank.
PV02-S12	627629	5549229	415	0.4	0.2	12	0.7	0.02	84.4	118	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt brn powdery mtrl to 20cm depth, toe of 1.7-2m bank.
PV02-S13	627670	5549228	646	0.7	0.2	5.9	0.4	0.04	6	123	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Dk brn & gy-brn powdery mtrl @ 15-20cm depth. Disturbed grnd/tiered banks.
PV02-S14	627648	5549170	263	0.4	0.1	5.2	0.4	0.02	4.2	133	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt brn powdery mtrl @ 20-25cm depth. Sampled 5m @ 290Az from Stn flag.
PV02-S15	627631	5549116	567	0.6	0.1	4.6	0.4	0.03	0.9	139	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery mtrl to 15cm depth. Sampled on upper cut bank, 2 spots.
PV02-S16	627629	5549086	501	0.4	0.1	4.2	0.4	0.04	<0.5	153	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt gy-brn powdery mtrl to 15cm depth. Sampled 2 spots @ 3/4.5m NW of Stn flag.
PV02-S17	627621	5549050	368	0.5	0.1	8.9	0.5	0.02	3.4	141	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt yel-orng brn mtrl to 15cm depth, w/ sandy compoent. 1 pc QV float.
PV02-S18	627619	5548990	519	0.4	0.1	14.3	0.8	0.03	15.7	153	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Orng brn mtrl to 20cm depth. Toe of ~1m bank. 3 pcs QV float near Stn.
PV02-S19	627612	5548962	358	0.4	0.2	12.7	0.7	0.03	34.6	127	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Orng brn lumpy (clayey) mtrl near crest of 1.2m bank. QV float within 2m.
PV02-S2	627622	5549569	527	0.4	0.1	3.1	0.5	0.02	20.3	121	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Grey-brn powdery mtrl to 20-25cm depth, on N.lip of (120 Az) topo depr.
PV02-S20	627609	5548956	362	0.4	0.2	20.2	0.7	0.04	28.2	129	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Dk brn to orng brn clayey mtrl @ 20-25cm depth. Sampled 2 spots in 1-1.2m bank.
PV02-S21	627607	5548944	401	0.4	0.2	13.5	0.7	0.03	16.7	127	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Dk brn to orng brn clayey mtrl. Sampled 2 spots in lower section of 2-2.5m bank.
PV02-S22	627605	5548935	589	0.4	0.2	16.6	0.8	0.05	92.2	119	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Dk brn to orng brn clayey mtrl. Sampled @ toe of ~3m bank. QV float nearby.
PV02-S23	627579	5548911	443	0.4	0.2	8.4	0.4	0.03	5	108	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Brn to yel-orng brn mtrl. Sampled @ toe of 1.25m bank. QV float nearby.
PV02-S24	627967	5550176	437	1.4	0.1	12.7	0.4	0.03	8.4	106	Till cover. Underlying KSB volc assemblage.	Soil (Recce)	Rusty orng soil in lge tree well. Decomp felsic pyroclastics (tuff). One ang QV chip.
PV02-S25	626534	5549572	678	0.5	<0.1	2.4	0.1	0.02	0.8	214	A2FP	Soil	Soil at top of FP scree. 4 pts over 10m
PV02-S26	626890	5549607	668	0.4	0.1	1.5	0.2	0.03	0.9	130	Till cover. Dominantly bslt pebbles; one pc felsic tuff.	Soil (Recce)	Dk brn clay-rich mtrl in (240 deg) gully; depth 10cm.
PV02-S27	627525	5550040	376	0.5	0.1	4.1	0.3	0.02	4.6	152	KSB volc assemblage under till cover.	Soil (Recce)	Rusty orng-brn & dk olive-grn mtrl; grabs over 5m in cut bank; alt'd tuff flt.
PV02-S28	626843	5550937	343	0.5	0.1	2.5	0.1	0.03	1.2	185	Diorite/KSB volc terrane contact zn under OB cover.	Soil (Recce)	Dk brn to red-orng brn clayey mtrl from root mass of blowdown; arg-alt'd ang tuff pc
PV02-S29	626837	5551025	492	0.7	0.1	2.6	0.1	0.03	1	182	Diorite/KSB volc terrane contact zn(?) under OB cover.	Soil (Recce)	Dk rusty orng-brn; grabs from 5 tree wells over 3X3m; alt'd tuff flt.
PV02-S3	627617	5549560	332	0.4	0.1	3.1	0.4	0.01	0.7	114	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt gy-brn powdery mtrl @ 10-20cm depth, on S.lip of (120 Az) topo depr.
PV02-S30	626837	5551230	396	0.3	<0.1	2.1	0.1	0.03	0.8	287	*Diorite/KSB volc terrane contact zn(?) under OB cover.*	*Soil (Recce)*	*Dk rusty orng-brn; grabs from 4 tree wells over 5X15m; alt'd tuff (ang) rubble.*
PV02-S31	626719	5549483	682	0.7	<0.1	5	0.1	0.02	0.9	176	A2FP scree slope	Soil	
PV02-S32	629943	5547890	588	0.6	<0.1	11.4	0.2	0.02	1.7	145	KSB volcs (pyroclastics & flow rocks) under thin OB.	Recce soil	Dk rusty orng grabs from same (~50X50X30cm) hole exc for R71 sample.
PV02-S35	627406	5550968	467	0.4	<0.1	2.9	0.1	0.03	1.6	83		Soil	20m diam no tree zone
PV02-S36	627326	5550924	479	0.5	0.1	2	0.2	0.04	1.4	250		Soil	70*30m no tree zone
PV02-S36D	628064	5550096	920	1.3	0.1	10.4	0.4	0.02	5.4	204		Recce soil	Lt brown-yellow,10 cm depth,siliceous volc pebble w dissem PY
PV02-S37	626735	5550282	1154	1.2	<0.1	7.2	0.1	0.03	0.8	164	*Dior? and minor qtz chips float*	Soil	
PV02-S38	628225	5549664	843	0.7	0.1	3.8	0.4	0.02	2.4	129		Recce soil	Damp grey,10 cm depth,15 m diam non-vegetated area
PV02-S39	628116	5549599	671	0.5	0.1	3.9	0.2	0.02	2.7	124		Recce soil	Dk brown,20 cm depth,from shovel pit in poplar grove
PV02-S4	627614	5549541	385	0.4	0.1	6.4	0.5	0.02	3.6	132	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt brn powdery mtrl to 15cm depth, @ toe of 1.8m bank.
PV02-S40	628117	5549598	546	0.4	0.1	5.4	0.2	0.03	1.7	134		Recce soil	Red-brown clay till, 45 cm depth
PV02-S43	629269	5548050	271	0.8	<0.1	6	0.1	0.02	1	115	KSB volc assemblage under thin OB cover.	Recce soil	Dk rusty orng-brn mtrl; grabs over 5m NW-SE of R64.
PV02-S44	629213	5548100	430	0.7	0.1	4.7	0.3	0.03	5.1	411	KSB volcs (strongly altd agglom) under thin OB cover.	Recce soil	Dk rusty orng-brn mtrl; grabs from within <1m sq.
PV02-S45	629308	5548042	449	0.4	<0.1	6.2	0.1	0.01	2.1	129	Altd KSB volcs (dk purple-gy porph flow) under thin OB cover.	Recce soil	Dk rusty orng & yel-brn mtrl w/ mod MnO; grabs over 2m.
PV02-S5	627608	5549532	495	0.4	0.1	7.9	0.5	0.03	4.1	120	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery mtrl @ 15-25cm depth, toe of 1.2m bank.
PV02-S6	627605	5549522	398	0.4	0.1	7.5	0.5	0.02	3	117	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Lt-med brn powdery mtrl @ 10-15cm depth, toe of 1.4m bank.
PV02-S7	627602	5549516	417	0.4	0.1	7.8	0.5	0.02	3.8	122	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery mtrl to 30cm depth, toe of ~2m bank.
PV02-S8	627585	5549486	705	0.4	0.1	14.5	0.7	0.04	8.9	124	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery to lumpy mtrl @ 15cm depth, near toe of ~1m bank.
PV02-S9	627568	5549488	512	0.4	0.1	11.2	0.7	0.03	7.2	140	Till cover. Underlying KSB volc assemblage.	Soil (rd cut)	Med brn powdery to lumpy mtrl @ 20cm depth, near toe of 3-3.5m bank below old
PM39.5	630054	5547807	408	0.7	0.1	7.7	0.2	0.02	2.7	193	Lapilli tuff	Soil	Fillin around 15ppb Au sample
PM40.5	630006	5547847	522	1	0.1	5.3	0.2	0.01	<0.5	215	Lapilli tuff	Soil	Fillin around 15ppb Au sample
Trench Soil Samples													
PVT0210-S1			1399	1.2	<0.1	21.2	0.2	0.02	11.7	228	A5V?	Basal soil	Basal soil @ 4.5m depth - not till - poss alt shear A5V
PVT0211-S1			911	0.7	0.1	20.7	0.9	0.07	29.1	123	FP	Basal soil	Basal soil @ 2.0m depth - grey compact clay sand till
PVT0211-S2			1036	0.9	0.1	22.3	0.9	0.05	25.3	122	FP	Basal soil	Basal soil @ 2.0m depth - grey compact clay sand till
PVT0211-S3			1024	0.8	0.1	24.6	0.9	0.06	28.1	144	FP	Basal soil	Basal soil @ 1.2m depth - grey compact clay sand till
PVT0211-S4			756	0.6	0.2	14.6	0.7	0.06	29	190	FP	Basal soil	Basal soil @ 0.6m depth - grey compact clay sand till
PVT0211-S5			661	0.5	0.1	14.6	0.6	0.05	15.5	232	FP	Basal soil	Basal soil @ 0.7m depth - grey compact clay sand till
PVT0211-S6			556	0.6	0.1	12.1	0.6	0.03	15	265	FP	Basal soil	Basal soil @ 1.0m depth - grey compact clay sand till
PVT0211-S7			965	0.6	0.1	21.9	0.8	0.07	18.7	158	FP	Basal soil	Basal soil @ 0.9m depth - grey compact clay sand till
PVT0211-S8			842	0.6	0.2	25.5	0.8	0.09	25.5	154	FP	Basal soil	Basal soil @ 1.0m depth - grey compact clay sand till
PVT0211-S9			918	0.7	0.1	24	0.9	0.08	37.4	189	FP	Basal soil	Basal soil @ 0.8m depth - grey compact clay sand till
PVT0212-S1			854	0.9	0.1	11.9	0.7	0.08	10.5	132		Basal soil	Glacial cobble till- highly compact 2.5m

2002 Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PVT0212-S10			979	1.4	0.1	19.2	0.7	0.09	11	132		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S2			830	0.9	0.1	14	0.6	0.1	17.2	139		Basal soil	Glacial cobble till- highly compact 2.5m
PVT0212-S3			866	0.9	0.1	13.2	0.7	0.12	13.7	139		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S4			913	0.9	0.1	12.1	0.7	0.08	19.1	138		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S5			828	2.7	0.1	41.4	0.8	0.14	7.2	136		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S6			669	0.8	0.1	11.9	0.7	0.07	9.1	144		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S7			809	0.9	0.1	13.3	0.7	0.09	16.8	137		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S8			1039	1.1	0.1	15.7	0.8	0.1	7.4	133		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0212-S9			946	1.2	0.1	21.3	0.7	0.08	144	132		Basal soil	Glacial cobble till- highly compact 2.5m-3.5m
PVT0213-S1	627630	5549583	463	0.5	<0.1	9.9	0.3	0.02	1.9	94	Brn sandy cobble till	Basal soil	Test pit soil 5m depth
PVT0213-S2	627630	5549583	1037	0.6	0.2	23.9	1.3	0.05	32	91	Compact indurated gry brn clay sand cobble till	Basal soil	Test pit soil 3m depth
PVT0213-S3	627630	5549583	681	0.5	0.1	9.5	0.7	0.05	6.4	120	Compact-loose brn clay sand cobble till	Basal soil	Test pit soil 2m depth
PVT0214-S1	627603	5549513	892	0.5	0.1	11.8	0.7	0.05	7.2	126	Compact indurated gry brn clay sand cobble till	Basal soil	Test pit soil 4.5m depth
PVT0215-S1	627574	5549462	985	0.8	0.2	24.3	1.5	0.07	18.5	125	Compact brn sand cobble till	Basal soil	Test pit soil 5.0m depth
PVT0216-S1	627544	5549455	772	0.6	0.1	17.9	1.3	0.06	16.2	125	Compact brn sand cobble till	Basal soil	Test pit soil 4.7m depth
PVT0216-S2	627544	5549455	966	0.8	0.1	12.4	0.9	0.06	58.3	132	Loose brn sand cobble till	Basal soil	Test pit soil 3.0m depth
PVT0217-S1	627515	5549458	660	0.3	<0.1	3.3	0.1	0.02	3.4	175	Gry compact indurated clay sand cobble till	Basal soil	Test pit soil 6.0m depth
PVT0217-S2	627515	5549458	1122	0.5	0.1	11.8	1	0.06	10.2	122	Brn purple compact sandy cobble till	Basal soil	Test pit soil 3.0m depth. Amyg basalt source?
PVT0218-S1	627572	5549207	1155	0.9	<0.1	13.4	0.2	0.05	2.7	146	Brn sandy cobble till	Basal soil	Test pit soil 5.0m depth.
PVT0218-S2	627572	5549207	633	0.5	0.1	11.6	0.7	0.03	38.1	130	Brn sandy cobble till	Basal soil	Test pit soil 1.0m depth.
PVT0219-S1	627638	5549233	832	0.9	<0.1	13	0.2	0.03	2	105	Grey compact indurated sand clay cobble till	Basal soil	Test pit soil 4.7m depth.
PVT021-S1	628068	5549248	917	0.7	0.1	11.6	0.5	0.09	5.8	164		Soil	Test pit PVT02-1 test pit basal soil @ 5.0m- no outcrop
PVT0220-S1	627624	5549060	825	0.8	0.1	18.1	1	0.04	9.1	118	Grey compact indurated sand clay cobble till	Basal soil	Test pit soil 5.0m depth.
PVT0220-S2	627624	5549060	994	0.6	0.1	20.6	1	0.05	13.6	106	Brn compact sand cobble till	Basal soil	Test pit soil 3.0m depth.
PVT0221-S1	627619	5548985	868	1.1	0.2	28.2	1	0.09	31.9	115	Gry compact indurated clay sand cobble till	Basal soil	Test pit soil 4.7m depth - found angular qtz frag 7cm.
PVT0221-S2	627619	5548985	1146	1	0.2	29.4	1.1	0.07	34.5	113	Brn compact sand cobble till	Basal soil	Sampled from 2.2-3.5m depth
PVT0221-S3	627619	5548985	991	0.7	0.1	21.8	0.8	0.04	25.8	106	Brn loose sand cobble till	Basal soil	Sampled from 0-2.2m depth
PVT0222-S1	627605	5548937	872	0.9	0.2	30.4	1.2	0.06	18.2	121	Gry compact indurated clay sand cobble till	Basal soil	Test pit soil 4.1m depth.
PVT0222-S2	627605	5548937	838	0.7	0.2	20.1	0.9	0.06	24	111	Brn compact sand cobble till	Basal soil	Test pit soil 1.5-3.0m depth.
PVT0222-S3	627605	5548937	597	0.4	0.2	15.2	0.8	0.05	136	122	Brn loose sand cobble till	Basal soil	Test pit soil 1.0m depth.
PVT0223-S1	627563	5548902	870	0.9	0.2	28.8	1.1	0.07	17.9	110	Gry compact indurated clay sand cobble till	Basal soil	Test pit soil 4.6m depth. 3cm ang qtz frag.
PVT0223-S2	627563	5548902	951	0.6	0.1	18.5	0.9	0.04	16.9	104	Brn compact sand cobble till	Basal soil	Test pit soil 1-3.5m depth.
PVT0223-S3	627563	5548902	706	0.5	0.1	14	0.7	0.03	12.8	110	Brn loose sand cobble till	Basal soil	Test pit soil 1.0m depth.
PVT0224-S1	627709	5550171	756	0.6	<0.1	6.8	0.4	0.03	1	154		Basal soil	4.6m down- brn loose clay sand cobble till
PVT0224-S2	627709	5550171	627	0.5	<0.1	6.4	0.4	0.03	1.3	157		Basal soil	1.3m down- brn loose clay sand cobble till
PVT0225-S1	627778	5550078	1148	0.9	0.1	10.2	0.7	0.05	4	122		Basal soil	4.0m down- brn compact clay sand cobble till
PVT0225-S2	627778	5550078	556	0.4	<0.1	7.2	0.4	0.04	2.1	148		Basal soil	1.0m down- brn loose clay sand cobble till
PVT0226-S1	627536	5550086	1342	0.3	<0.1	3.5	0.1	0.01	1.8	129		Basal soil	5m depth - unconsol yel-grn sand silt- dior boulbers
PVT0226-S2	627536	5550086	280	0.1	<0.1	2.9	<0.1	0.01	2.1	97		Basal soil	3.5m down green mixed till layer chlor alt dior
PVT0226-S3	627536	5550086	1101	0.5	0.1	9.7	1.1	0.08	2.7	122		Basal soil	2m down - compact brn mauve clay sand till - amyg basalt
PVT0226-S4	627536	5550086	581	0.4	0.1	6.8	0.3	0.05	3.7	131		Basal soil	1m down- brn mauve clay sand w orange FeO blobs
PVT0227-S1	627526	5549850	936	0.5	0.1	6.9	0.5	0.04	1.8	142		Basal soil	5.4-2.1m down- brn compact clay sand cobble till
PVT0227-S2	627526	5549850	275	0.5	<0.1	3.8	0.4	0.04	1.4	116		Basal soil	2.1-1.0m down- gry loose sand cobble till
PVT0227-S3	627526	5549850	1305	0.6	0.1	6.3	0.4	0.04	<0.5	138		Basal soil	0-1.0m down- gry loose locally rusty sand cobble till
PVT0228-S1	627828	5548919	900	1	0.1	14.1	0.7	0.11	8.3	122	FP?	Basal soil	4.7m down gry brn compact clay sand boulder till
PVT0228-S2	627828	5548919	758	0.9	0.1	13.5	0.6	0.06	8.3	130	FP?	Basal soil	2.0m down gry brn compact clay sand boulder till
PVT0229-S1	627857	5548928	891	1	0.2	10.7	0.6	0.08	6.6	87	FP?	Basal soil	4.3m down gry brn compact clay sand boulder till
PVT0229-S2	627857	5548928	573	0.5	0.1	12.9	0.7	0.06	7.9	119	FP?	Basal soil	2.0m down gry brn compact clay sand boulder till
PVT022-S1	628077	5549206	912	1.7	0.2	21.7	1	0.15	32.1	146		Soil	Test pit PVT02-2 test pit basal soil @ 5.0m- no outcrop
PVT0230-S1	627889	5548948	1020	0.9	0.1	17.4	0.7	0.05	14.1	153		Basal soil	Basal soil @ 4.3m depth- brn gry compact clay sand cobble till
PVT0230-S2	627889	5548948	878	0.6	0.1	15.5	0.7	0.07	38	143		Basal soil	Basal soil @ 2.0m depth- brn gry compact clay sand cobble till
PVT0231-S1	627894	5548862	429	0.5	0.1	8.5	0.6	0.08	8.6	132		Basal soil	Basal soil @ 1.2m depth- brn gry compact clay sand cobble till
PVT0232-S1	627900	5548846	847	0.7	0.1	12.1	0.6	0.07	7.8	125		Basal soil	Basal soil @ 0m along trench line 2.5m depth
PVT0232-S2	627900	5548841	1222	0.8	0.1	14.5	0.7	0.08	6.3	127		Basal soil	Basal soil @ 5m along trench line 2.5m depth
PVT0232-S3	627897	5548837	1311	1.2	0.1	13.5	0.7	0.08	21.2	161		Basal soil	Basal soil @ 10m along trench line 2.5m depth
PVT0232-S4	627894	5548832	1010	1.4	0.1	15	0.8	0.17	8.2	246		Basal soil	Basal soil @ 15m along trench line 2.5m depth
PVT0234-S1			839	1	0.1	8.9	0.5	0.06	2.3	284	A5LT	Basal soil	3.5m depth taken at 20m

.z Soil Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PVT0234-S2			663	0.8	0.1	10	0.6	0.08	7.8	152	A5LT?	Basal soil	3.5m depth taken at 25m
PVT0235-S1			945	0.7	0.1	10.2	0.6	0.07	2.4	201		Basal soil	Basal soil @ 10m
PVT0235-S2			820	1	0.1	12.3	0.7	0.1	4.7	181		Basal soil	Basal soil @ 15m
PVT0235-S3			856	2.1	<0.1	27.1	0.5	0.07	2.9	193		Basal soil	Basal soil @ 20m
PVT0235-S4			1667	0.7	0.1	17.1	0.2	0.03	1.5	101		Basal soil	Basal soil @ 25m
PVT0235-S5			1031	3.1	<0.1	49.5	0.4	0.04	1.6	257		Basal soil	Basal soil @ 30m
PVT0235-S6			1004	0.6	0.1	8.8	0.3	0.05	0.8	121		Basal soil	Basal soil @ 35m
PVT0235-S7			527	0.6	0.1	10.6	0.5	0.06	3.3	274		Basal soil	Basal soil @ 40m
PVT0235-S8			873	0.9	0.1	10.9	0.5	0.09	7.9	228		Basal soil	Basal soil @ 45m
PVT0235-S9			755	0.9	0.1	10.4	0.6	0.09	2.9	150		Basal soil	Basal soil @ 50m
PVT023-S1	628085	5549157	792	1.1	0.1	13.1	0.6	0.08	126	142		Soil	Test pit PVT02-3 test pit basal soil @ 5.0m- no outcrop
PVT024-S1	628090	5549128	1033	1.4	0.1	14.6	1	0.19	8.9	161		Soil	Test pit PVT02-4 test pit basal soil @ 5.0m- no outcrop
PVT025-S1	628083	5549056	760	1.1	0.1	15.1	0.8	0.09	12.6	141		Soil	Test pit PVT02-5 test pit basal soil @ 5.0m- no outcrop
PVT026-S1	628016	5548886	901	0.6	0.1	10.7	0.7	0.1	11.8	176		Soil	Test pit PVT02-6 test pit basal soil @ 5.0m- no outcrop
PVT027-S1			1069	0.7	0.1	10.5	0.5	0.08	5.4	241	VB	Soil	Test pit PVT02-7 test pit basal soil @ 4.5m
PVT027-S2			934	0.9	<0.1	9	0.5	0.06	3.2	284	VB	Soil	Test pit PVT02-7 test pit basal soil @ 4.5m
PVT027-S3			965	1.1	0.1	12.2	0.6	0.09	13.9	218	VB	Soil	Test pit PVT02-7 test pit basal soil @ 4.5m
PVT027-S4			854	0.7	0.1	10.4	0.6	0.07	3.8	328	FP	Soil	Test pit PVT02-7 test pit basal soil @ 3.2m
PVT027-S5			664	0.5	0.1	9.5	0.4	0.07	5.7	416	FP	Soil	Test pit PVT02-7 test pit basal soil @ 1.0m
PVT027-S6			769	0.6	<0.1	10	0.6	0.09	3.2	417	FP	Soil	Test pit PVT02-7 test pit basal soil @ 1.2m
PVT027-S7			676	0.7	0.1	9.2	0.6	0.09	19.6	448	A5V	Soil	Test pit PVT02-7 test pit basal soil @ 1.0m
PVT027-S8			656	0.7	0.1	9.7	0.6	0.08	10	425	A5V	Soil	Test pit PVT02-7 test pit basal soil @ 2.2m

2002 Stream Sediment Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PV02-1	626666	5549623	711	0.2	<0.1	2.7	0.2	0.03	0.9	148	A2FP?	Strm Sed	Chan 50cm dir 230 trickler- sand grvl bed- some fine tuff frags
PV02-2	627075	5550970	1075	0.7	0.1	3.3	0.1	0.07	<0.5	241	Till covered KSB volc assemblage; diorite contact to WSW.	Strm Sed	Grvl cobble base; dry chnl~1m wide; GD/DR bslt & some rusty-orng altd tuff flt.
PV02-3	627267	5550885	838	0.5	0.1	3.1	0.1	0.06	1.4	121	Pyroclastic / dior boulders	Strm Sed	chan 35cm dir 165- trickle- sand silt grvl bed
PV02-4	627195	5550795	766	0.5	0.1	3.8	0.1	0.04	0.5	192	Pyroclastic / dior boulders	Strm Sed	chan 35cm dir 174- trickle- sand silt grvl bed
PV02-5	627115	5550960	716	0.4	0.1	3.6	0.1	0.06	0.7	247	Till covered KSB volc assemblage; diorite contact to WSW.	Strm Sed	Grvl cobble base; trickler 0.5-0.75m; dom rnded GD/DR & bslt flt; some ang rusty b
PV02-6	626955	5551075	524	0.4	0.1	2.8	0.1	0.03	1.4	170	*Till covered KSB volc assemblage; diorite contact to WSW.*	*Strm Sed*	*Grvl cobble to org mat base ~1m; trickler/pools; dom rnded GD/DR & bslt flt.*
PV02-7	626822	5551195	1299	0.5	0.1	2.2	<0.1	0.05	1.2	247	Till covered KSB volc assemblage; diorite contact to WSW.	Strm Sed	Dry chnl near pass; 0.5-2m gen org mat base; part dk active seds & part orng brn E
PV02-8	630203	5549174	576	0.1	0.1	5.5	0.4	0.05	0.8	134	Mauve basalt nad Dior w minor fg tan tuff	Strm Sed	Chan 1.5m, gravel cobble bed, low mod flow
PV02-9	628286	5548605	696	0.1	0.1	5.9	0.3	0.03	7.3	162	KSB volcs (mainly tuffs) under variable OB cover.	Strm Sed	Nearly dry braided chnl 3-4m wide; grvl-cobble base.
MC-151	628320	5551700	591	0.3	0.1	2.3	0.1	0.05	1.3	99	T/J Diorite<Gabbro & minor Andesite subcrop at site.	Stream Sed	5m chnl gentle flow; grvl cobble base; abund bslt fines/sands. BCP01-1
MC90-1	629940	5547597	854	0.1	0.1	4.5	0.3	0.02	0.9	312	KSB volc assemblage; local deep till cover.	Strm Sed	Dry chnl 0.75m; transported seds atop organic mat & in moss roots. PV01-1

2002 Rock Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
Reconnaissance Rock Samples													
PV02-R1	628004	5548745	593	1.4	0.2	18.5	0.2	0.01	3.4	398	Silicified volcaniclatic w Qtz stringers	Grab	Stringers extend over 1.5m approx E-W
PV02-R10	628068	5549262	120	3.6	1.9	91.3	3.8	2.92	1035.1	15	Qtz-flooded (replaced) KSB pyroclastic.	Grab	Single subang to submded pc 4-12cm thick X 15 X 24cm.
PV02-R11	628062	5549068	516	9.3	0.8	37.3	0.4	0.01	545.3	28	Qtz bx	Grab	Tab 13*10*10cm, blue gry qtz w vague bx texture
PV02-R12	627847	5548812	109	19.4	1.7	81.2	0.9	0.04	702.2	21	Qtz bx	Grab	2 pieces, ang 4*7*8cm 9*8*6cm, vague banding
PV02-R13	628829	5549958	165	0.9	<0.1	0.6	0.1	0.01	1.1	8	Qtz vn	Grab	Qtz vn 3cm*60cm in basalt
PV02-R14	627578	5548868	99	4.5	0.7	51.4	0.9	0.02	282.6	18	Vuggy sucrosic Qtz float w Hem in cavities	Grab	Submded cobble approx 15 X 10 X 12cm.
PV02-R15	627890	5548780	712	4.3	0.9	79.1	0.7	0.02	81.7	1325	Banded QV w/ KSB pyroclastic inclusions,open cavities.	Grab	Single tabular pc 10-12cm(TW) X 20 X 33cm. Loc~10m @ 060 from 2850E/3750N.
PV02-R16	627746	5548851	115	3.9	1.1	78.3	0.6	0.06	363.9	31	Qtz-flooded (replaced) KSB pyroclastic. QV/bx.	Grab	Single submded pc 10 X 10 X 12cm. Grid Loc 2700E/3758N.
PV02-R17	627718	5548872	105	10.3	1	49	0.6	0.02	457.1	25	QV/bx incl Qtz-flooded (replaced) KSB pyroclastic.	Grab	Several ang pcs over 10-15m diam area. Largest pcs 5X6X7cm & 6.5X7X12cm.
PV02-R18	627656	5549630	1284	0.9	0.2	17.1	1.3	0.03	80.8	88	KSB pyroclastic (?) w/ irreg network Qtz vnlts.	Grab	Ang fgmnts in soil/root mass of lge tree stump, below rd.
PV02-R19	627738	5549800	276	8.1	0.7	45.5	7.7	3.34	58.3	17	Qtz-flooded KSB pyroclastic (Qtz mtx bx).	Grab	Single ang pc 2-4cm thick X 5 X 6cm. Small sample.
PV02-R2	628018	5548745	36	32	0.8	121.4	0.8	0.03	174.8	1013	Qtz-flooded (replaced) KSB pyroclastic.	Grab	Single tabular pc 3.5-5cm thick X 10 X 17cm.
PV02-R20	627600	5549517	644	5.9	0.5	27.8	0.5	0.05	60.5	28	Qtz-Carb alt'd lt purple basaltic(?) volc, in part bx.	Grab	Submded cobble approx 15 X 15 X 20cm.
PV02-R21	627547	5549463	177	5.1	0.3	13.4	0.4	0.05	3.1	8	QV, msv & xtln white to semi-clear qtz.	Grab	Chips from single ang fgmnt 8 X 9 X 10cm.
PV02-R22	627565	5549427	90	3	0.4	18.9	0.6	0.02	299.9	4	QV, msv v.fine to med-gr white qtz, partly banded texture.	Grab	Chips from single submded fgmnt 7-8.5 X 9 X 11cm.
PV02-R23	627532	5549379	264	10.7	17.5	59.6	2.5	1.67	346	33	QV mtrl and qtz-flooded KSB pyroclastic.	Grab	Chips from two submded pcs (6X8X9cm & 6X7X14cm) 15m apart.
PV02-R24	627754	5549480	289	11.7	3.1	173.4	1.3	0.11	1716.1	13	Blue-gy QV/bx (qtz mtx w/alt'd KSB pyroclastic fgmnts)	Grab	Chips from two submded cobbles (10X11X20cm & 7X10X10cm) in stream bed.
PV02-R25	627757	5549458	469	33.3	1.4	157.9	1.7	0.13	238.6	32	Qtz-flooded KSB pyroclastic incl qtz-mtx bx.	Grab	Chips from two submded cobbles in stream bed, at 15m & 30m dnstrm(170) from R24.
PV02-R26	627600	5548925	305	8.8	2.3	227.1	1.2	0.2	353.6	37	KSB pyroclastic.	Grab	Partly rnded fgmnt ~13X15X20cm, immed below Soil Stn PV02-S22.
PV02-R27	627667	5549212	149	8	1	88.2	1.2	0.16	57	20	Qtz-flooded KSB pyroclastic, multiple stringers 1-5mm.	Grab	Tabular pcs w/rnded edges (4-4.5X7X7cm &4X5X6cm) loc ~5m E of PV02-S13.
PV02-R28	628440	5549205	110	7.2	1	95.7	2	0.52	404.8	64	QV/bx. White to blue-gy chalcedonic qtz w/volc fgmnts.	Grab	Several pcs along 6m of old cut bank; largest (subang) pc 3X5X5cm. Small sample.
PV02-R29	628671	5549251	420	32.1	3.7	175.3	5.5	0.45	6423.5	45	Qtz-flooded KSB pyroclastic, multiple stringers 1-5mm.	Grab	Several submded pcs along ~60m of deep gully thru old lndg. One tabular pc 2.5X6X8cm.
PV02-R3	628011	5548726	632	3.1	4.5	30.8	0.3	0.01	502.7	79	Qtz vn	Grab	Grey blue Qtz, 10*10*7cm, included buff qtz chips taken over 8m
PV02-R30	628548	5549504	644	1.9	0.1	6.5	0.7	0.02	5.6	59	Pyroclastic cut by chalcedonic veins 1-15mm	Grab	Broken - frags to 8cm. Veins white to bluish grey.
PV02-R31	627760	5548892	149	14.8	3.1	93.8	0.8	0.01	813.5	29	QV. White to semi-clear chalcedonic qtz; partly banded.	Grab	Single pc 9X10X12-14cm. Subang/rnded one side. Local Grid ref 2720E/3800N.
PV02-R32	627719	5548940	714	3.2	0.8	19.4	0.6	0.42	210.2	40	Qtz vein and Silic pyroclastic w qtz stringers	Grab	QV subround 8*7*6cm. Two samples found within 10m along ESE trending gulley
PV02-R33	627718	5549027	277	5.2	2.4	106	0.6	0.11	1069.9	26	QV/bx; qtz-flooded KSB pyroclastic.	Grab	Single pc 5X6X11cm moderately rnded.
PV02-R34	630035	5547818	115	48.5	3.2	222.7	3.1	0.16	456.1	146	QV/bx; qtz-flooded (replaced) volc.	Grab	Single subangular pc 8X9X9cm. Loc near PM-40 soil Stn.
PV02-R35	630127	5547745	559	3.7	<0.1	2.5	0.1	<0.01	3.2	21	Tan Qtz w chalcedonic lenses to 3cm	Grab	Angular 15*10*7cm w imprints of Dol blades on one side.
PV02-R36	628219	5549120	350	12.4	1	178.8	1.1	0.08	139.7	29	Red-brn to mauve porphyritic volc.	Grab	Broken pcs up to 6-7X10X12cm; may be fgmnts of one larger cobble.
PV02-R37	627688	5550015	81	4.9	2.5	9.1	0.4	0.05	2270.3	4	QV w/ alt'd volc hostrock fgmnt on one side.	Grab	Single subang pc 4X4,5X5.5cm. On rd side near culvert.
PV02-R38	627870	5550083	502	165	1.7	15.1	0.4	0.04	27	45	Org & red-brn qtz-flooded tuff(?) w/ vnlts <0.5-1cm.	Grab	Chips from sev lge pcs- up to 14X14X25cm; may be fgmnts of same bldr; ang to submded.
PV02-R39	627919	5550075	792	1.4	0.3	49.4	9.2	0.43	15	39	Dk purple (basaltic) volc w/ calcite & (minor) qtz vnlts.	Grab	Chips from submded cobble 19X20X25cm.
PV02-R4	628052	5548868	234	4.8	1.2	36.7	0.4	0.02	635.7	20	Qtz vn	Grab	2 smples over 20m 10*10*7cm subang ,12*6*4cm
PV02-R40	627737	5548462	179	16.5	1.4	139.5	3	0.07	650.3	16	QV/bx w/ alt'd tuff fgmnts.	Grab	Single tabular subang pc 9X9X11cm.
PV02-R41	627733	5548471	227	13	3.4	321.9	38.4	0.52	555.2	244	Rusty org to red-brn qtz-flooded felsic tuff(?).	Grab	Single subang to submded(1 side) pc 10X15X20cm.
PV02-R42	627577	5548640	156	7.8	1.6	146.4	2.1	0.05	1789.4	43	Qtz-flooded (replaced) volc bx (almost vn/bx).	Grab	Angular pc 6X12X15cm.
PV02-R43	627517	5548588	1023	1	0.3	51.2	1.6	0.1	9	27	Rusty org to red-brn volc w/ qtz stringers; partly bx.	Grab	Single pc 7X11X12cm.
PV02-R44	627466	5548537	362	68.5	<0.1	29.7	0.8	0.34	7	184	Volc (pyroclastic) cut by 1-3cm QV/bx w/ blk arg clasts.	Grab	Submded smooth-sided cobble 12X14X15cm.
PV02-R45	627445	5548464	40	11.4	1	200.7	1.7	0.16	542.5	26	Silica-flooded (replaced) volc w/few relict fgmnts.	Grab	Tabular but submded pc 8X13X19cm.
PV02-R46	626912	5548747	219	215	1.2	52.3	1.6	0.17	586.2	28	Silica-flooded (replaced) weakly bx volc.	Grab	Submded pc 9X10X14cm.
PV02-R47	626987	5548652	276	78.4	0.9	13.3	0.4	0.05	5	18	QV/bx w/abund rusty org-brn alt'd volc clasts.	Grab	Ang pc (except for 1 submd face) 8X9X11.5cm.
PV02-R48	626835	5548750	499	5.6	1.2	106.1	4.1	0.08	1512.9	63	Rusty org-brn volc w/ stockwork qtz-calcite vnlts.	Grab	Sharply ang pc 12X22X25cm. At old placer operation site.
PV02-R49	627771	5548845	749	65.3	0.4	15.2	0.4	0.06	8	57	Rusty org-brn weath gy silic volc w/ qtz-calcite vnlts.	Grab	Submded cobble 18X21X27cm; in (fill) muck from PVT02-12.
PV02-R5	628086	5548832	159	7.9	1.2	78.5	1.2	0.01	609.9	49	Qtz vn	Grab	Massive white Qtz, angular 10*10*5cm
PV02-R50	628486	5548093	217	4.1	0.9	110.7	0.9	0.13	899.8	18	White to blue grey qtz as matrix to multiphase bx	Grab	20*15*10cm subround
PV02-R51	628084	5548308	469	11.8	0.1	24.6	0.3	0.04	35	65	Chalcedonic vein in pyroclastic	Grab	Frag 20*15*8cm off rnd 80cm cg pyroclst float.White -clear chalcedony & coarse xyl qtz
PV02-R52	627535	5550014	416	4.9	2.1	40.9	2.6	0.38	72	31	Rusty org-brn weath qtz-flooded tuff.	Grab	Three pcs (partly ang/ partly rnded); 4X9X17; 6X7X10; 4.5X5X15cm.
PV02-R53	627386	5550177	187	21.7	0.5	10	0.4	0.22	13.7	31	QV/bx w/alt'd volc fgmnts.	Grab	Single subang pc 9X15X20cm; sml dk patches w/rel abund fine PY.
PV02-R54	626830	5551250	1731	1	<0.1	1.6	0.1	0.01	3.9	77	Strongly altd felsic pyroclastic (tuff?);microbx texture.	Grab	Ang rubble (possibly broken subcrop) in lge well/rootmass of blowdown;part of S30 site.
PV02-R55	629411	5547959	619	0.7	0.1	20.4	0.6	0.03	4.8	207	Altd felsic pyroclastic (tuff); lt grn-gy in part almost bx.	Grab	Chips from 3 sml outcrops centred at Grid 4400E/2960N.
PV02-R56	627630	5550717	70	22.8	<0.1	622.9	0.5	0.05	3.9	21	Rhyolite? - lght to drk gry silicified bx	Grab	VFG conchoidal fract angular 22*15*10. In scree w platy volc
PV02-R57	626761	5550291	268	2.1	<0.1	3.9	0.1	0.02	0.7	13	Qtz vein frags in dior rubble	Grab	
PV02-R58	627863	5548934	118	3.8	1.5	15.3	0.6	0.15	1028.9	6	Banded/druzy qt vein	Grab	
PV02-R59	629381	5547982	685	0.5	<0.1	5.3	0.1	0.02	4	826	Altd felsic pyroclastic (tuff); dk red-brn to lt gy/tan.	Grab	Chips from 2 sml outcrops located ~30-35m WNW of R55.
PV02-R6	628184	5548944	305	3.5	2.2	156.6	0.8	0.01	1516.6	89	Qtz vn in basalt	Grab	Subang 8*6*5cm, 60%vn in basalt, found on fill pile.
PV02-R60	628458	5549584	309	3.9	0.9	49.6	0.6	0.08	1060.5	71	Quartz vein and wallrock	Grab	angular boulder 20x30x25 cm, QZ veins to 6 cm
PV02-R61	628765	5549620	67	2	0.4	34.4	0.3	0.04	169.7	19	Chalcedonic & xtln QV/bx w/altd volc fgmnts.	Grab	Single ang pc (6X6X9cm) in rd bed; sml sample.
PV02-R62	629313	5548032	1107	1.6	<0.1	4.3	0.1	0.03	5	27	Calcite & opaline silica vnlts in altd purple volc(FP?).	Grab	Selected pcs from 3 vnlts (0.5-2cm TW) within the shear zn; strike 355 to 008/dip~90.
PV02-R63	629313	5548032	911	0.9	<0.1	9.7	0.2	0.03	3	46	Rusty org shear zn w/ carb-qtz vnlts in altd volc.	1.0m Chip	Cont chip across altd hostrock plus 3 vnlts 25cm & 65cm apart (W.to E.)
PV02-R64	629269	5548050	406	3.2	<0.1	3.4	0.1	0.01	0.8	36	QV fgmnts in rusty org soil & altd dk purple volc(FP?).	Grab	Ang QV pcs to 3cm max dimen in situ (but disrupted) and as float within 5m circ area.
PV02-R65	629860	5547725	506	9.8	0.9	75.3	5.9	2.64	12.7	272	KSB felsic tuffs w/ silica replacements/vnlts.	Grab	Selected (PY-rich) chips from ang rubble (broken sc) fgmnts over~3X5m area.

2002 Rock Sample Results

SAMP NO	Easting	Northing	Mn ppm	Mo ppm	Ag ppm	As ppm	Sb ppm	Hg ppm	Au ppb	Ba ppm	Rock Type	Sample Type	Note
PV02-R66	629835	5547762	897	19	0.1	44.1	2.7	0.13	<0.5	575	Qtz-Carb bx.	Grab	Chips from two ang pcs ~7m apart; larger one 6-7X9X10cm.
PV02-R67	629827	5547741	2500	4	0.2	17	0.8	0.1	154.7	369	Qtz-Carb flooded rusty orng tuff(?) partly replaced by chalcedony.	Grab	Chips from two float fgmnts: 5X14X15cm (ang) & 8X12X13cm (submded).
PV02-R68	629942	5547754	152	6.1	0.6	21.8	1.5	0.11	306.2	47	QV	Grab	Single subang pc (4X7X8cm) on old trail cut ~35m N'erly from 2675N/4925-4950E.
PV02-R69	628564	5547653	640	242	0.9	35.2	0.9	0.05	16.8	47	QV/bx; blue-gy qtz mtx w/altd (KSB) volc clasts.	Grab	Single tabular but quite rnded pc 7X15X15cm. South of (but near) ply bdry.
PV02-R7	628061	5549009	527	2.5	1.3	18.4	0.7	0.02	831.1	54	Qtz bx	Grab	Tabular 13*17*12, white-blue gry, vuggy, qtz in qtz bx
PV02-R70	628165	5548280	96	4.5	0.8	44.7	0.7	0.1	754.8	19	Chalcedonic QV/bx w/altd (KSB) tuff fgmnts; open cavs.	Grab	Single submded pc 11X12X15cm; other local smaller pcs not incl in sample.
PV02-R71	629943	5547890	736	5	0.1	26.7	0.1	<0.01	3	104	Small ang QV fgmnts in altd/decomposed (KSB) volc.	Grab	Various pcs dug out of rd bed; QV mtl up to 2cm TW.
PV02-R72	629894	5547917	2397	6	<0.1	38.3	0.1	0.01	1.5	143	Grey chalcedonic replacement of KSB tuff	Grab	Some white calcite vug filling. Chalced replace orientation 20/15E
PV02-R73	629884	5547917	433	2.1	<0.1	8.2	0.1	<0.01	1.8	230	Qtz stringers 1-10mm in KSB FP	Grab	Vns 170/90 w some druzy core filling. Taken @ 2 locs over 4m.
PV02-R74	629873	5547917	797	1.7	<0.1	6.8	0.1	<0.01	<0.5	298	Med gry to brn chalcedonic replacement pods in KSB FP	Grab	Pods .5 to 25cm
PV02-R75	629864	5547917	1345	4.7	<0.1	7.9	0.1	<0.01	0.9	217	Qtz chips 1-6cm white to grey chalcedonic to coarse granular	Grab	Chips found in road cut over 14m
PV02-R76	628285	5548486	251	6.1	2.2	35.4	0.5	0.12	1224.8	30	Qtz-flooded rusty orng KSB volc.	Grab	Chips from single (v.submded) pc 10X10X18.5cm on old rd bed.
PV02-R77	630203	5549174	194	51.8	1.7	108.5	7.4	0.68	511.4	31	Banded and massive Qtz	Grab	
MC-R76	628602	5547055	177	34	2.2	164.7	4.7	0.17	815.6	22	Silica<flooded (replaced) rusty orng KSB tuff.	Grab	Chips from two pcs ~50m apart; each partly subang & submded: 6X8.5 PV02-6
MC-R77	627110	5547790	478	11.7	0.7	105.2	0.9	0.06	68	68	Silicified KSB and Qtz bx	Grab	Sub angular frag 9*10*7cm <till bank in road cut. Some banded qtx frag BCP01-1
Trench Rock Samples													
PVT0231-R1	627894	5548862	248	0.4	0.7	3.4	0.2	0.04	3	430	Light grey Coarse and fine ash tuff	Rock grab	2.0m below surface
PVT0232-R1	627897	5548836	820	2.9	0.1	13.8	0.2	<0.01	<0.5	230	Silicified lapilli tuff	Rock grab	30*20*5cm pod of black silicified pyroclastic
PVT0233-R1	627895	5548880	4174	4.5	<0.1	32.3	0.2	0.03	4.1	408	Gouge	Rock grab	50cm chip across gouge on east side of trench
PVT0233-R2	627894	5548881	2876	3.2	<0.1	33.8	0.2	0.11	1.4	330	Gouge	Rock grab	50cm chip across gouge on west side of trench
PVT0234-R1			1408	3	0.5	88.9	0.3	<0.01	3.3	391	Gouge and A5V	Cont chip	1.0m continuous chip
PVT0234-R2			751	8.4	0.1	56.5	0.3	<0.01	1.5	263	Gouge and A5V	Cont chip	0.5m continuous chip
PVT0234-R3			738	13.8	<0.1	43.5	0.3	<0.01	1.5	750	Gouge and A5FT	Cont chip	1.0m continuous chip
PVT0234-R4			1387	1.4	<0.1	59.3	0.1	<0.01	1	284	Gouge and A5V	Cont chip	1.4m continuous chip
PVT0234-R5			1617	4.8	<0.1	95.5	0.3	<0.01	<0.5	441	Gouge and A5FT	Cont chip	0.4m continuous chip
PVT0234-R6			694	13.7	<0.1	72.4	0.3	0.01	0.6	1010	Gouge and A5FT	Cont chip	1.5m continuous chip
PVT0235-R1			937	5.4	0.4	32	1.2	0.1	5.5	2325	A3FT	Cont chip	Cont chip over 1.0m
PVT0235-R2			1086	1.3	0.5	34.4	0.7	0.04	3.1	103	A4FP	Cont chip	Cont chip over 1.6m
PVT0235-R3			782	1	0.2	8.4	0.3	0.06	2.8	110	A5FT	Cont chip	Cont chip over 2.0m
PVT0235-R4			762	1.2	0.2	7.8	0.5	0.04	3	122	A5FT w Qtz stringers	Cont chip	Cont chip over 0.8m
PVT0235-R5			631	1.5	<0.1	12.4	0.1	0.05	1.9	100	A5FT w Qtz stringers	Cont chip	Cont chip over 0.8m
PVT0235-R6			990	5.7	<0.1	50.9	0.2	0.06	0.6	163	A5FT w Qtz stringers	Cont chip	Cont chip over 2.0m
PVT0235-R7			946	0.8	<0.1	34.7	0.1	0.07	2.1	159	A5FT w Qtz stringers	Cont chip	Cont chip over 2.5m
PVT027-R1			873	3.3	<0.1	5.8	0.1	0.01	0.5	945	Clay alt gouge @ FP-A5V contact	Grab	
PVT027-R2			517	1.9	0.1	7.2	0.1	0.01	<0.5	160	Clay alt gouge @ FP-A5V contact	Grab	
PVT028-R1			5067	3.3	<0.1	10.2	0.1	<0.01	0.5	451	QV 2cm -shattered 170/90	Grab	MnO coated frags
PVT028-R10			2402	3.1	<0.1	53.3	0.1	0.01	1.4	411	7 cm X5V with Qtz vein bluish grey	Grab	Best grab of vein and silic volc
PVT028-R11			6638	3	<0.1	9.1	0.1	<0.01	1.4	428	Qv 2cm	Grab	Best grab of vein -chalcedonic and xyl Qtz in core 05/70W
PVT028-R12			786	2.2	0.1	31.8	0.2	0.01	1.7	254	Arg alt shear A4V	Grab	Selected grab of Arg shear 170/60W in weak sil A4V
PVT028-R2			1703	0.8	<0.1	14.2	0.1	<0.01	0.7	167	A5MV shear	Cont chip	20cm chip across shear 170/60W
PVT028-R3			866	1.2	<0.1	12	<0.1	<0.01	2.3	350	A4V w Qtz stringers to 5mm	Cont chip	1.5m chip
PVT028-R4			2478	2	<0.1	38.3	0.1	0.01	1.8	461	A4V w Qtz stringers to 5mm	Cont chip	1.2m chip
PVT028-R5			851	0.6	<0.1	17.5	<0.1	<0.01	1.8	337	A4V w Qtz stringers to 5mm	Cont chip	1.5m chip
PVT028-R6			818	1.1	<0.1	15.7	0.1	<0.01	1.4	379	A4V w Qtz stringers to 5mm	Cont chip	1.0m chip
PVT028-R7			1543	0.7	0.1	20.9	0.1	<0.01	4.1	360	A4V w Qtz stringer to 2cm	Cont chip	2.0m chip
PVT028-R8			865	1.3	<0.1	23.2	<0.1	<0.01	1.9	323	A4V w Qtz stringer to 5mm	Cont chip	2.0m chip
PVT028-R9			1083	0.8	<0.1	22.4	0.1	<0.01	0.8	369	A4V w Qtz stringer to 5mm	Cont chip	2.0m chip
PVT029-R1			1295	2	<0.1	13.3	0.1	<0.01	0.9	111	1*1.5cm Qtz pod	Grab	Best grab of Qtz
PVT029-R10			1808	1.6	<0.1	65.6	0.1	<0.01	<0.5	281	A5V w 1cm qtz vn	Cont chip	2.0m cont chip
PVT029-R11			1693	8	<0.1	67.7	0.1	0.01	<0.5	297	A5V w 30cm lightly grphitic shear	Cont chip	2.0m cont chip
PVT029-R12			994	9.9	0.1	31.6	0.1	0.01	<0.5	1321	A5V w 30cm lightly graphitic shear	Cont chip	2.0m cont chip
PVT029-R13			992	5	<0.1	10.5	0.1	<0.01	<0.5	119	15*20cm Qtz pod	Grab	Qtz pod chalcedonic w coarse xyl core
PVT029-R2			4638	4.3	<0.1	15.5	0.1	<0.01	0.6	601	2*30cm Qtz pod	Grab	
PVT029-R3			962	1.4	0.1	12	<0.1	<0.01	0.6	158	A5V w 7mm Qtz stringer	Cont chip	Cont chip 1.0m -stringer 165/70W
PVT029-R4			898	1.2	<0.1	21.7	<0.1	<0.01	<0.5	192	A5V w 7mm Qtz stringer	Cont chip	1.0m cont chip -stringer 165/70W
PVT029-R5			1273	0.9	<0.1	22.4	0.1	<0.01	0.9	313	A5V w silicified pod to 30cm	Cont chip	2.0m cont chip -stringer 165/70W
PVT029-R6			1309	1.1	<0.1	21	0.1	<0.01	<0.5	225	A5V w silicified pod to 30cm	Cont chip	2.0m cont chip
PVT029-R7			2470	1.4	<0.1	34.9	<0.1	<0.01	<0.5	339	A5V	Cont chip	2.0m cont chip
PVT029-R8			1682	0.8	<0.1	19.3	<0.1	<0.01	<0.5	209	A5V w 15*20cm qtz pod	Cont chip	2.0m cont chip - chalcedonic qtz w xyl core.
PVT029-R9			1432	1	<0.1	27.6	0.1	<0.01	0.8	173	A5V w 1cm qtz vn	Cont chip	2.0m cont chip - vein 25/70W

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
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GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-1 File # A201826

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
SI	.3	4.0	.4	4	<.1	.6	.2	7	.04	<.5	<.1	<.5	<.1	2	<.1	<.1	<.1	1	.11	<.001	<1	2.0	<.01	2	<.001	1	<.01	.394	<.01	.3	.01	.1	<.1	<.05	<1
PV02-R1	1.4	38.8	3.2	44	.2	23.0	10.2	593	2.41	18.5	.7	3.4	1.3	36	.1	.2	.1	39	.05	.020	3	37.0	.05	398	.002	6	.38	.012	.07	.3	.01	4.5	.1	<.05	1
PV02-R2	32.0	12.9	2.2	8	.8	6.2	1.7	36	.69	121.4	.1	174.8	.2	52	.1	.8	.1	8	.07	.022	3	26.5	.02	1013	.001	1	.19	.006	.09	7.0	.03	1.0	<.1	.19	1
PV02-R3	3.1	20.1	1.5	16	4.5	15.0	4.4	632	.92	30.8	.1	502.7	.3	15	.1	.3	<.1	13	.11	.017	2	59.3	.03	79	.001	2	.15	.005	.05	1.9	.01	1.3	<.1	.07	1
PV02-R4	4.8	19.0	2.1	13	1.2	16.0	4.5	234	1.09	36.7	.1	635.7	.2	9	.1	.4	<.1	13	.11	.031	3	33.9	.05	20	.003	1	.17	.004	.04	7.5	.02	1.3	<.1	.06	<1
PV02-R5	7.9	13.3	1.1	13	1.2	9.6	3.5	159	.81	78.5	.2	609.9	.2	21	<.1	1.2	<.1	12	.10	.022	2	88.1	.09	49	.010	1	.20	.016	.04	3.8	.01	.9	.1	<.05	1
PV02-R6	3.5	32.5	2.7	31	2.2	26.6	7.8	305	2.02	156.6	.1	1516.6	.7	74	.1	.8	.1	25	.23	.065	7	49.8	.47	89	.015	1	.82	.013	.12	6.1	.01	2.6	<.1	<.05	4
PV02-R7	2.5	6.8	1.1	19	1.3	15.9	4.2	527	.90	18.4	<.1	831.1	.1	27	.2	.7	<.1	11	2.18	.014	2	62.4	.93	54	.003	1	.14	.003	.01	2.1	.02	1.4	<.1	<.05	<1
PV02-R8	12.4	13.6	1.4	17	.9	25.6	8.3	356	1.06	55.6	.1	1302.9	.3	7	<.1	1.0	<.1	16	.11	.047	4	38.7	.04	20	.002	2	.24	.002	.08	8.9	.04	1.7	.1	<.05	1
RE PV02-R8	12.8	12.8	1.3	18	.9	24.1	8.1	352	1.05	56.2	.1	1271.9	.2	7	<.1	1.0	<.1	16	.11	.047	4	39.2	.03	21	.002	2	.22	.003	.08	8.9	.03	1.9	.2	<.05	1
PV02-R9	15.1	18.1	2.4	9	1.1	20.1	7.8	122	.92	231.6	.6	295.2	.1	33	<.1	4.9	<.1	18	.10	.007	1	98.7	.05	15	.002	1	.23	.004	.03	3.5	.13	1.9	.3	.25	1
PV02-R10	3.6	19.2	1.7	9	1.9	11.6	2.7	120	.92	91.3	.1	1035.1	.1	8	<.1	3.8	<.1	9	.17	.015	2	37.2	.03	15	.001	1	.13	.004	.05	10.8	2.92	.8	.4	.12	<1
PV02-R11	9.3	12.1	2.7	29	.8	19.4	7.4	516	1.11	37.3	.1	545.3	.2	8	.1	.4	<.1	17	.39	.024	4	59.7	.06	28	.002	2	.20	.003	.03	2.1	.01	1.7	<.1	<.05	1
PV02-R12	19.4	12.1	2.5	8	1.7	12.5	2.4	109	.90	81.2	.1	702.2	.2	10	.2	.9	<.1	7	.03	.019	2	42.5	.03	21	.001	1	.15	.003	.07	10.4	.04	.8	.1	<.05	<1
PV02-R13	.9	6.2	.2	3	<.1	5.8	1.7	165	.46	.6	<.1	1.1	.1	6	<.1	.1	<.1	6	.07	.004	1	72.8	.17	8	.006	<1	.16	.012	.01	3.7	.01	.6	<.1	<.05	<1
STANDARD D	9.2	121.1	35.0	153	.2	35.5	11.5	854	3.18	29.6	6.6	22.6	3.5	27	5.9	4.9	5.8	75	.54	.089	18	172.4	.58	146	.095	2	1.70	.034	.15	3.6	.21	3.6	1.2	<.05	6

Standard is STANDARD DS3.

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180ML 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 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 21 2002 **DATE REPORT MAILED:** July 8/02 **SIGNED BY.** C. T. 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 PV02-1 File # A201827 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	1.0	1.8	2.7	42	<.1	4.1	3.9	495	1.77	<.5	2.8	.5	5.0	64	<.1	<.1	.2	40	.51	.095	8	11.1	.56	223	.125	2	.86	.068	.43	2.4	<.01	1.3	.3	<.05	5
2200E 5450N	.4	15.6	5.4	53	<.1	25.6	8.4	298	2.35	1.1	.6	2.4	1.0	60	.1	.1	.1	61	.45	.030	8	34.3	.67	114	.116	1	2.22	.031	.05	<.1	.02	3.4	<.1	<.05	6
2200E 5400N	.6	17.7	5.7	67	<.1	34.8	12.4	381	2.85	3.1	.4	1.5	1.1	73	.1	.2	.1	71	.47	.138	7	37.3	.62	172	.120	1	2.80	.023	.08	<.1	.03	2.8	<.1	<.05	8
2200E 5350N	.5	13.5	7.9	60	<.1	23.0	8.8	341	2.09	1.6	.4	1.3	1.0	50	.1	.1	.1	58	.34	.038	7	31.5	.51	108	.131	1	2.13	.028	.07	<.1	.01	2.4	<.1	<.05	7
2200E 5300N	.5	14.3	6.7	66	<.1	24.8	8.1	234	2.13	1.1	.4	.9	1.0	53	.1	.1	.1	55	.34	.039	7	32.5	.48	91	.135	1	2.50	.032	.05	<.1	.01	2.4	<.1	<.05	7
2200E 5250N	.5	17.5	6.6	65	<.1	28.6	10.5	392	2.94	1.8	.5	2.5	1.1	77	.1	.2	.1	78	.44	.036	9	44.9	.70	109	.167	1	2.24	.047	.05	<.1	.02	3.6	<.1	<.05	6
2200E 5200N	.7	18.3	6.1	63	<.1	31.3	10.7	487	2.74	2.0	.5	.7	1.3	74	.1	.2	.1	78	.42	.046	10	40.7	.74	131	.152	1	2.27	.035	.05	<.1	.03	3.7	.1	<.05	7
2200E 5150N	.7	18.9	6.2	75	<.1	27.9	10.6	612	2.66	1.6	.4	1.1	1.3	65	.1	.2	.1	79	.43	.035	10	41.8	.63	125	.154	1	2.20	.032	.07	<.1	.02	3.8	.1	<.05	6
2200E 5100N	.8	20.5	5.1	67	.1	27.5	10.2	703	2.62	1.6	.4	<.5	1.1	65	.1	.2	.1	83	.39	.036	11	41.0	.61	134	.150	1	1.96	.032	.07	<.1	.03	3.2	.1	<.05	6
2200E 5050N	.5	21.3	5.2	67	.1	27.1	8.7	1155	2.11	1.2	.6	.5	1.0	74	.2	.1	.1	49	.71	.058	26	28.3	.60	115	.062	1	2.69	.023	.07	<.1	.04	5.1	.1	<.05	7
2200E 5000N	.7	20.5	5.3	74	<.1	28.2	11.2	377	2.93	1.6	.3	4.1	1.0	59	<.1	.2	.1	86	.39	.053	5	43.5	.66	140	.173	1	2.11	.030	.09	<.1	.01	2.5	<.1	<.05	7
2200E 4950N	.6	20.4	5.5	72	<.1	26.9	12.9	452	2.93	1.3	.4	.8	1.2	59	.1	.2	.1	89	.36	.057	6	43.9	.65	129	.177	1	2.02	.028	.10	<.1	.01	2.6	.1	<.05	6
2200E 4900N	.5	19.6	4.6	66	<.1	20.3	8.8	496	2.03	1.1	.4	<.5	.9	53	.1	.1	.1	60	.43	.035	12	31.0	.50	101	.116	<1	1.81	.030	.08	<.1	.02	3.1	.1	<.05	5
2200E 4850N	.4	17.0	4.0	73	<.1	17.2	8.6	388	2.20	1.0	.3	.5	.9	43	.1	.1	.1	68	.33	.034	5	29.8	.45	102	.133	<1	1.61	.028	.09	<.1	.02	2.4	<.1	<.05	5
2200E 4800N	.6	16.9	4.8	77	<.1	18.4	8.7	476	2.12	1.4	.3	<.5	.8	66	.1	.1	.1	63	.47	.045	6	30.6	.50	118	.127	2	1.49	.035	.10	<.1	.02	2.4	<.1	<.05	5
2200E 4750N	.6	19.1	4.0	58	<.1	18.0	9.3	353	2.29	1.6	.2	1.0	.9	53	<.1	.1	.1	68	.41	.050	4	32.3	.47	134	.133	1	1.45	.027	.12	<.1	.01	1.8	<.1	<.05	5
2200E 4700N	.5	34.2	5.7	54	.1	22.4	10.4	396	2.54	.7	1.0	<.5	1.2	78	.1	.1	.1	67	.69	.026	14	34.7	.56	107	.123	3	1.92	.041	.06	.1	.02	2.9	.1	<.05	6
2200E 4650N	.6	25.8	4.2	77	.1	28.3	11.9	452	3.12	1.5	.4	.9	1.2	57	.1	.1	.1	87	.46	.060	5	46.0	.67	210	.145	1	1.89	.028	.13	<.1	.01	3.4	<.1	<.05	6
RE 2200E 4650N	.6	25.5	4.3	79	.1	29.6	11.9	465	3.17	1.5	.4	.9	1.3	56	.1	.1	.1	88	.48	.060	5	44.2	.67	207	.147	1	1.99	.028	.14	<.1	.02	3.4	<.1	<.05	6
2200E 4600N	.6	15.6	5.3	116	<.1	25.1	10.6	394	2.40	1.1	.2	.9	.9	43	.2	.1	.1	60	.31	.079	3	32.9	.51	144	.127	1	1.93	.023	.09	<.1	.02	1.8	<.1	<.05	7
2200E 4550N	.6	36.2	7.4	97	.2	34.1	13.0	1176	2.74	1.4	1.9	<.5	1.7	106	.3	.2	.1	63	1.01	.044	23	36.6	.69	190	.109	2	2.99	.037	.09	<.1	.03	5.0	.1	<.05	8
2200E 4500N	.7	19.2	4.4	100	.1	18.0	9.9	713	2.11	1.5	.3	<.5	.8	68	.2	.1	.1	53	.48	.065	6	28.3	.42	127	.100	1	1.43	.024	.13	<.1	.02	2.2	<.1	<.05	5
2200E 4450N	.7	42.6	4.5	64	.1	25.8	18.7	963	3.89	4.1	1.1	<.5	1.5	96	.2	.1	.1	110	.60	.041	15	38.3	.67	140	.052	2	1.99	.024	.14	<.1	.04	8.5	.1	<.05	6
2200E 4400N	1.2	29.4	6.5	108	.1	20.7	12.6	1176	2.48	2.1	.7	<.5	.9	161	.4	.2	.1	67	.81	.059	13	29.6	.54	194	.066	4	1.66	.025	.19	<.1	.04	4.6	<.1	<.05	5
2200E 4350N	.8	24.4	5.1	91	.1	30.9	13.7	964	2.91	2.4	.4	1.7	1.3	98	.2	.2	.1	74	.65	.067	8	40.7	.65	218	.111	2	2.04	.023	.23	<.1	.02	4.2	.1	<.05	6
2200E 4300N	.8	36.1	4.6	85	.1	27.5	15.7	906	2.79	5.2	.6	<.5	.6	109	.3	.2	.1	69	1.10	.106	14	33.9	.69	187	.051	3	2.06	.026	.18	<.1	.03	4.6	<.1	<.05	6
2200E 4250N	.8	31.9	6.1	93	.1	32.6	15.1	1234	2.81	2.9	.6	<.5	.9	97	.3	.2	.1	65	.79	.077	12	37.1	.68	246	.079	2	2.20	.031	.25	<.1	.04	4.6	<.1	<.05	6
2200E 4200N	.5	15.7	4.0	88	.1	20.1	8.1	812	2.18	1.3	.2	170.9	.9	69	.1	.2	.1	60	.47	.070	5	37.4	.41	170	.129	1	1.57	.046	.20	<.1	.01	2.5	<.1	<.05	4
2200E 4150N	.5	14.3	3.5	56	<.1	15.8	8.1	423	2.37	2.2	.2	.8	.9	50	.1	.2	.1	74	.30	.043	4	35.8	.38	127	.115	<1	1.33	.026	.16	<.1	.01	2.1	<.1	<.05	4
2200E 4100N	.5	12.9	3.5	58	<.1	15.5	6.7	280	2.24	1.6	.2	<.5	.8	48	.1	.2	.1	69	.33	.030	4	35.0	.37	110	.137	1	1.29	.030	.13	<.1	.01	2.0	<.1	<.05	4
2200E 4050N	.4	12.5	4.3	64	<.1	18.7	6.7	301	2.28	1.5	.2	<.5	.9	48	.1	.2	.1	68	.34	.033	4	37.6	.39	125	.153	1	1.64	.030	.14	<.1	.01	2.3	<.1	<.05	5
2200E 4000N	.7	15.3	4.1	94	<.1	18.2	7.3	752	2.41	2.0	.2	1.0	.9	53	.1	.2	.1	65	.35	.049	4	33.7	.41	182	.121	1	1.58	.026	.12	<.1	.01	2.6	<.1	<.05	4
2200E 3950N	.5	9.0	3.6	54	.1	14.8	6.2	374	1.72	1.4	.2	.6	.6	39	.1	.2	.1	51	.27	.064	2	29.0	.31	94	.120	1	1.40	.028	.08	<.1	.01	1.6	<.1	<.05	4
2200E 3900N	.4	14.1	4.3	57	.1	16.4	7.3	410	2.20	2.1	.2	3.1	.9	58	.1	.2	.1	68	.37	.053	4	34.4	.42	109	.127	<1	1.42	.034	.12	<.1	.03	2.2	<.1	<.05	4
STANDARD DS3	9.7	117.5	33.9	156	.3	36.7	12.1	805	3.28	31.1	6.4	19.7	4.2	30	6.2	5.4	5.8	73	.52	.086	18	171.8	.61	145	.088	1	1.81	.036	.16	3.5	.22	2.6	1.1	<.05	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: JUN 21 2002 **DATE REPORT MAILED:** July 4/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
G-1	1.3	2.1	2.1	39	<.1	4.1	3.7	513	1.72	.5	2.5	1.3	4.9	61	<.1	<.1	.2	37	.48	.095	8	12.5	.55	219	.131	1	.84	.066	.48	2.2	.01	1.4	.3	<.05	5
2200E 3850N	.3	13.2	3.2	55	.1	19.6	6.9	420	2.18	2.2	.3	4.6	.9	53	.1	.4	<.1	64	.33	.040	4	38.5	.42	101	.138	1	1.32	.030	.12	<.1	.02	2.3	<.1	<.05	4
2200E 3800N	.5	29.3	3.9	57	.1	42.5	16.1	635	3.12	5.3	.4	4.3	1.6	89	.1	.6	.1	85	.56	.087	11	52.1	.92	116	.143	2	2.13	.042	.16	.1	.03	5.2	.1	<.05	6
2200E 3750N	.6	16.2	3.9	65	.1	24.8	9.0	486	2.40	4.1	.3	9.9	1.0	58	.1	.4	.1	64	.41	.044	5	40.6	.53	110	.133	1	1.55	.032	.11	<.1	.01	2.6	<.1	<.05	5
2200E 3700N	.5	17.3	4.2	79	.1	25.2	10.5	456	2.58	2.1	.3	.9	1.1	59	.1	.9	.1	67	.47	.103	4	42.3	.53	124	.140	2	1.58	.026	.20	.1	.02	2.7	<.1	<.05	5
2200E 3650N	.5	16.6	4.4	75	.1	24.6	10.7	361	2.47	3.2	.3	2.7	1.1	56	.1	.4	.1	65	.39	.104	4	39.6	.57	116	.118	2	1.73	.023	.18	<.1	.02	2.6	<.1	<.05	5
2200E 3600N	.5	31.0	4.2	63	.1	29.7	11.4	387	2.49	3.7	.6	6.2	1.1	73	.1	.5	.1	64	.76	.110	14	39.4	.72	106	.096	3	1.91	.032	.08	<.1	.04	3.8	<.1	<.05	6
2200E 3550N	.4	47.7	4.0	56	.1	39.8	16.3	704	3.13	4.0	1.4	2.4	1.6	96	.1	.6	.1	80	.93	.047	17	48.6	.92	108	.105	2	1.98	.045	.11	<.1	.03	5.5	<.1	<.05	6
2400E 5450N	.7	19.1	4.8	58	<.1	27.5	11.4	395	2.77	3.0	.4	<.5	1.3	82	.1	.1	.1	68	.39	.118	7	36.6	.64	188	.085	<1	3.07	.019	.09	<.1	.02	3.5	<.1	<.05	8
2400E 5400N	.9	15.4	4.8	69	<.1	23.9	10.7	421	2.50	2.0	.4	1.0	1.2	60	.1	.1	.1	63	.40	.117	7	34.2	.57	155	.078	1	2.90	.014	.16	<.1	.02	3.2	.1	<.05	8
RE 2400E 5400N	1.0	15.5	4.7	70	.1	25.4	11.2	420	2.70	2.1	.4	.5	1.1	59	.1	.1	.1	62	.33	.126	7	35.6	.56	158	.068	1	2.96	.015	.15	<.1	.01	3.2	.1	<.05	8
2400E 5350N	.8	21.1	4.3	51	<.1	34.3	12.8	336	3.05	2.6	.4	1.6	1.4	96	<.1	.2	.1	74	.55	.087	9	44.6	.85	137	.112	<1	2.20	.032	.11	<.1	.03	4.7	<.1	<.05	6
2400E 5300N	.9	19.0	4.9	79	.1	33.1	12.2	314	2.82	3.1	.4	1.6	1.7	49	.1	.1	.1	66	.27	.137	9	40.4	.60	166	.115	1	3.10	.022	.09	<.1	.02	3.8	.1	<.05	9
2400E 5250N	.8	15.4	5.0	82	.1	34.4	10.9	471	2.44	4.0	.3	<.5	1.0	42	.1	.1	.1	56	.33	.164	5	34.4	.50	144	.113	2	2.96	.019	.11	<.1	.03	2.3	<.1	<.05	8
2400E 5200N	.6	20.0	5.4	85	.1	41.6	12.2	239	2.89	3.4	.4	1.3	1.7	34	.1	.2	.1	56	.27	.310	4	39.7	.58	152	.127	<1	4.08	.017	.08	.1	.03	3.4	<.1	<.05	11
2400E 5150N	.6	14.5	5.6	89	.1	37.8	11.2	460	2.63	2.5	.3	<.5	1.0	51	.1	.3	.1	56	.46	.186	6	38.7	.55	120	.128	1	2.90	.019	.12	<.1	.03	2.6	<.1	<.05	9
2400E 5100N	.8	14.3	4.9	58	<.1	29.2	11.0	388	2.56	4.4	.3	1.2	.9	64	.1	.3	.1	62	.40	.112	4	38.5	.59	121	.124	<1	2.14	.024	.08	<.1	.02	2.6	<.1	<.05	6
2400E 5050N	1.1	18.1	4.7	89	.1	30.9	10.8	608	2.61	2.4	.4	.6	1.1	58	.1	.2	.1	59	.38	.134	6	37.2	.58	143	.129	1	2.36	.024	.15	<.1	.02	2.8	<.1	<.05	7
2400E 5000N	.5	13.0	4.5	77	<.1	26.5	9.6	323	2.20	1.7	.3	7.5	.8	46	.1	.1	.1	54	.31	.105	4	32.3	.46	117	.127	2	2.13	.027	.12	<.1	.02	2.0	<.1	<.05	6
2400E 4950N	.5	33.4	4.7	73	.1	31.5	11.4	1052	2.71	1.9	1.3	<.5	1.2	100	.2	.2	.1	61	.77	.072	50	43.1	.81	129	.097	1	2.97	.028	.08	<.1	.04	7.5	.1	<.05	8
2400E 4900N	.6	13.2	4.9	58	<.1	20.1	8.0	411	2.00	1.6	.3	<.5	.7	54	.1	.2	.1	55	.37	.056	6	33.2	.50	90	.122	1	1.61	.023	.10	<.1	.03	2.0	<.1	<.05	5
2400E 4850N	.9	10.8	5.7	76	<.1	17.9	6.3	311	1.87	1.5	.2	<.5	.8	41	.1	.1	.1	41	.28	.125	3	27.0	.37	125	.113	1	1.93	.019	.08	<.1	.03	1.4	<.1	<.05	6
2400E 4800N	.5	9.0	4.7	52	<.1	13.5	5.7	201	1.69	.6	.2	<.5	.7	35	.1	.1	.1	48	.21	.039	3	27.3	.32	88	.132	<1	1.30	.023	.08	<.1	.01	1.4	<.1	<.05	5
2400E 4750N	.4	11.1	4.7	40	<.1	14.5	6.4	260	1.72	.6	.3	<.5	.6	40	<.1	.1	.1	49	.26	.030	5	28.1	.36	89	.130	1	1.37	.027	.09	<.1	.02	1.6	<.1	<.05	4
2400E 4700N	.4	16.3	4.1	42	<.1	19.8	8.5	310	2.19	.9	.4	<.5	.8	59	<.1	.2	.1	66	.45	.038	9	37.6	.55	99	.129	1	1.47	.039	.10	<.1	.03	2.5	<.1	<.05	5
2400E 4650N	.4	12.8	4.3	59	<.1	14.5	8.0	279	2.06	.9	.3	<.5	.7	33	<.1	.1	.1	56	.27	.040	3	30.4	.48	81	.099	1	1.44	.024	.07	<.1	.01	1.6	<.1	<.05	5
2400E 4600N	.4	22.6	4.7	63	.1	21.9	8.6	397	2.07	1.1	.6	<.5	.9	56	.1	.2	.1	50	.52	.053	15	33.1	.52	92	.106	1	1.93	.028	.10	<.1	.03	3.6	<.1	<.05	5
2400E 4550N	.3	33.5	4.8	56	.1	27.5	8.5	522	2.28	1.6	.8	.7	1.6	58	.1	.2	.1	55	.45	.055	21	37.7	.62	98	.099	2	2.56	.028	.07	<.1	.03	6.0	.1	<.05	6
2400E 4500N	.3	68.9	5.5	109	.3	41.5	12.1	1200	3.03	2.3	2.6	<.5	1.5	131	.3	.2	.1	58	1.26	.071	24	44.4	.89	262	.098	7	3.53	.037	.10	<.1	.05	7.7	.1	<.05	9
2400E 4450N	.3	10.9	4.5	64	.1	14.5	6.4	293	1.70	1.0	.2	2.1	.6	34	<.1	.2	.1	46	.25	.051	3	26.2	.38	94	.097	1	1.45	.021	.09	<.1	.01	1.5	<.1	<.05	5
2400E 4400N	.5	15.2	4.6	60	.1	19.8	7.8	366	2.17	1.5	.3	<.5	.8	56	.1	.3	.1	58	.30	.062	5	33.4	.54	109	.119	2	1.64	.027	.11	<.1	.02	2.2	<.1	<.05	6
2400E 4350N	.6	19.9	5.0	45	.1	19.8	9.2	479	2.08	1.4	.4	.5	.8	76	.1	.3	.1	64	.58	.047	7	35.9	.57	97	.118	1	1.42	.032	.11	<.1	.03	2.5	<.1	<.05	4
2400E 4300N	.7	14.3	4.1	79	<.1	18.7	8.3	767	2.07	1.9	.2	<.5	.6	74	.1	.4	.1	61	.48	.058	5	35.4	.45	156	.125	1	1.29	.024	.16	.1	.03	2.4	<.1	<.05	4
2400E 4250N	.5	35.3	4.5	64	.1	41.0	16.7	877	3.18	6.1	.6	2.6	1.5	126	.1	.5	.1	86	.92	.102	14	46.6	1.25	182	.105	3	1.95	.051	.13	.1	.05	5.6	.1	<.05	6
STANDARD DS3	9.0	121.6	32.8	154	.3	36.0	11.8	771	3.24	31.0	6.2	20.8	4.1	30	6.1	5.1	5.6	75	.55	.097	18	186.0	.63	145	.099	2	1.77	.037	.18	3.4	.21	2.8	1.2	<.05	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
G-1	.9	2.0	2.0	40	<.1	3.7	3.7	496	1.89	<.5	2.8	.7	5.0	57	<.1	<.1	.2	36	.51	.096	6	11.0	.56	215	.121	2	.83	.070	.48	2.3	<.01	1.3	.3	<.05	4
2400E 4200N	.7	34.3	4.7	69	.1	39.0	15.4	831	3.08	5.0	.9	2.5	1.1	106	.2	.5	.1	73	.85	.114	13	41.2	.94	182	.085	3	2.02	.035	.21	.1	.10	4.9	.1	<.05	5
2400E 4150N	.6	18.2	4.6	65	.1	21.5	10.8	572	2.65	2.6	.6	1.7	.8	62	.1	.4	.1	67	.53	.058	7	38.2	.52	134	.112	1	1.82	.027	.13	.1	.02	2.8	<.1	<.05	5
2400E 4100N	.5	16.3	4.8	66	.1	16.2	6.9	332	2.25	1.7	.5	1.0	1.2	54	.1	.3	.1	57	.40	.030	11	30.6	.40	101	.112	1	1.63	.029	.07	<.1	.02	2.6	<.1	<.05	4
2400E 4050N	.4	17.2	3.7	51	<.1	14.2	7.9	410	2.37	1.6	.4	1.1	1.1	56	<.1	.3	.1	57	.49	.042	11	30.0	.37	108	.103	2	1.13	.032	.10	<.1	.02	2.9	<.1	<.05	3
2400E 4000N	.5	12.3	3.9	51	.1	13.0	6.8	551	1.90	1.3	.3	1.3	.7	54	<.1	.2	.1	49	.47	.041	4	28.0	.33	131	.110	2	1.14	.028	.16	<.1	.02	1.8	<.1	<.05	4
2400E 3950N	1.8	16.5	4.3	73	<.1	18.3	8.9	1032	2.14	1.6	.2	1.4	.8	92	.1	.3	.1	58	.84	.056	5	33.1	.41	158	.115	3	1.25	.033	.21	<.1	.05	2.4	<.1	<.05	3
2400E 3900N	.5	32.6	3.5	48	.1	34.1	12.7	569	2.90	5.0	.5	2.7	1.4	102	.1	.5	<.1	81	.82	.084	12	43.9	.87	117	.119	2	1.93	.055	.10	.1	.04	5.1	<.1	<.05	5
2400E 3850N	.5	14.0	3.8	68	<.1	20.6	7.9	627	2.09	1.7	.2	1.4	.8	49	<.1	.2	.1	56	.38	.113	4	34.2	.44	134	.116	1	1.85	.025	.10	<.1	.03	2.2	<.1	<.05	5
2400E 3800N	.3	26.8	5.2	40	.2	18.3	6.7	484	2.00	1.3	.8	222.0	.7	72	.1	.2	.1	46	.94	.035	16	29.2	.46	83	.095	4	1.78	.039	.06	.1	.04	3.1	<.1	<.05	4
2400E 3750N	.5	31.4	5.7	37	.1	21.5	7.8	306	2.18	1.4	.9	1.9	1.1	73	.1	.2	.1	39	1.09	.028	13	27.3	.53	74	.091	3	2.26	.038	.05	.1	.03	3.8	<.1	<.05	5
2400E 3700N	.4	19.8	3.7	50	.1	24.6	10.2	504	2.73	2.3	.4	143.0	1.1	61	<.1	.3	<.1	73	.40	.056	4	45.8	.53	112	.141	1	1.74	.031	.10	<.1	.01	3.0	<.1	<.05	4
2400E 3650N	.5	13.5	4.2	61	.1	19.4	8.6	242	2.22	3.0	.3	4.0	.8	36	<.1	.4	.1	52	.32	.139	3	33.3	.48	90	.099	1	1.88	.018	.07	<.1	.03	2.3	<.1	<.05	5
2400E 3600N	.5	21.3	4.1	39	<.1	26.5	12.1	476	2.89	2.7	.6	4.3	1.2	76	<.1	.3	.1	68	.62	.056	8	41.6	.64	123	.127	2	1.72	.039	.20	<.1	.04	3.9	<.1	<.05	5
2400E 3550N	.6	40.8	4.5	53	.3	51.6	19.4	736	4.15	19.7	.6	92.7	1.9	101	.1	1.1	.1	96	.95	.087	18	60.4	1.37	125	.098	2	2.53	.044	.10	<.1	.07	8.1	.1	<.05	7
2400E 3500N	1.0	42.4	4.3	57	.1	46.1	18.9	760	3.50	15.8	.5	11.0	1.7	104	<.1	1.0	.1	87	1.44	.115	13	46.2	1.35	121	.099	3	1.92	.067	.11	.1	.09	5.3	.1	<.05	5
2600E 5450N	.8	14.3	7.6	64	.1	12.2	8.9	622	1.91	2.4	.7	<.5	.9	153	.1	.1	.1	45	1.17	.077	17	16.7	.52	386	.009	3	1.65	.025	.22	<.1	.02	3.3	.1	<.05	4
2600E 5400N	.7	20.9	4.5	52	<.1	20.3	10.6	388	3.09	3.9	.6	.9	1.5	112	.1	.1	.1	71	.74	.102	11	34.1	.64	184	.045	3	2.64	.020	.30	<.1	.01	5.2	.1	<.05	6
2600E 5350N	.9	20.3	5.0	78	.1	28.2	13.3	666	3.18	3.6	.5	<.5	1.2	86	.1	.1	.1	73	.58	.144	10	37.5	.73	186	.077	2	2.89	.026	.22	<.1	.05	4.3	.1	<.05	7
2600E 5300N	.7	19.9	7.9	56	.1	23.1	14.5	943	3.00	3.9	.8	<.5	1.3	87	.1	.1	.1	75	.81	.039	18	31.7	.68	225	.040	2	2.20	.040	.09	<.1	.02	4.2	.1	<.05	6
2600E 5250N	.9	16.3	7.1	42	.1	17.0	11.3	696	2.17	3.1	.8	.6	1.1	99	.2	.2	.1	52	.89	.056	16	25.1	.53	222	.022	3	1.75	.024	.11	<.1	.07	3.8	.1	.06	4
2600E 5200N	.4	22.0	5.0	55	.1	31.9	13.2	643	2.62	2.8	.6	1.6	1.4	100	.1	.2	.1	67	.70	.057	12	41.5	.89	155	.099	1	1.97	.058	.07	<.1	.03	5.1	.1	<.05	5
2600E 5150N	.6	24.4	5.5	59	.1	33.7	12.2	606	2.41	2.2	.7	2.2	1.0	75	.2	.2	.1	63	.93	.065	19	35.8	.73	142	.089	2	2.16	.042	.07	<.1	.03	3.3	<.1	<.05	5
RE 2600E 5150N	.5	27.2	5.5	61	.1	36.4	13.5	649	2.58	2.6	.7	.5	1.0	75	.2	.2	.1	69	1.04	.070	19	37.3	.74	139	.100	1	2.21	.043	.07	<.1	.03	3.6	<.1	<.05	6
2600E 5100N	.6	18.7	4.6	58	.1	30.5	12.4	550	2.82	3.5	.5	.8	.9	85	.1	.2	.1	66	.63	.128	9	39.5	.70	152	.080	1	2.44	.025	.19	<.1	.03	3.8	<.1	<.05	6
2600E 5050N	.7	19.0	4.9	73	.1	32.8	12.8	687	2.76	3.7	.4	1.5	1.0	53	.1	.4	.1	61	.39	.217	6	37.9	.61	158	.097	1	2.92	.019	.11	<.1	.03	3.0	<.1	<.05	7
2600E 5000N	.4	19.4	4.9	49	.1	27.5	10.2	428	2.62	2.5	1.2	.6	1.0	62	.1	.5	.1	73	.60	.035	11	41.7	.66	95	.128	<1	1.94	.041	.07	<.1	.02	3.5	<.1	<.05	5
2600E 4950N	1.0	17.5	5.0	84	.1	26.7	11.4	612	2.39	3.6	.4	.8	.7	62	.1	.4	.1	50	.49	.303	5	29.4	.57	169	.081	2	2.46	.017	.18	.1	.04	2.6	<.1	<.05	6
2600E 4900N	.8	26.2	4.9	76	.1	35.4	13.5	854	2.83	3.9	1.1	1.4	.4	82	.2	.4	.1	69	.80	.125	15	41.0	.81	128	.075	2	2.51	.035	.14	.1	.03	4.1	.1	.07	6
2600E 4850N	.7	26.9	4.8	58	.1	33.5	13.5	742	2.78	2.7	1.0	.7	.7	85	.1	.3	.1	70	.87	.071	13	39.3	.72	117	.088	2	2.29	.033	.12	.1	.04	4.6	<.1	.07	6
2600E 4800N	.4	42.8	4.1	75	.3	42.8	12.3	1057	3.36	2.5	2.3	.5	1.3	123	.2	.3	.1	58	1.38	.080	52	49.4	1.02	154	.055	<1	4.09	.025	.09	<.1	.06	10.1	.1	<.05	9
2600E 4750N	.6	13.6	4.1	66	<.1	28.5	10.6	623	2.69	2.1	.3	1.9	.8	52	<.1	.4	.1	65	.37	.078	5	41.9	.61	125	.124	<1	2.16	.028	.12	<.1	.02	2.6	<.1	<.05	6
2600E 4700N	.4	16.3	4.3	67	.1	27.4	11.7	534	2.84	2.9	.4	9.1	1.1	60	.1	.7	.1	72	.39	.070	5	46.2	.63	123	.127	1	1.97	.029	.15	<.1	.02	3.6	.1	<.05	5
2600E 4650N	.7	15.5	4.4	66	.1	24.5	9.9	518	2.51	2.5	.3	.6	.9	45	.1	.3	.1	63	.32	.128	4	35.3	.52	133	.108	<1	2.32	.022	.12	<.1	.02	2.2	<.1	<.05	6
STANDARD DS3	9.1	119.3	33.5	154	.3	34.1	11.6	809	3.21	30.0	6.4	20.0	3.8	27	6.0	5.6	5.6	72	.53	.096	17	180.6	.60	140	.096	2	1.77	.037	.16	3.8	.25	2.7	1.1	<.05	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
G-1	1.0	1.8	1.9	41	<.1	3.8	3.8	506	1.82	<.5	2.6	.7	4.7	61	<.1	<.1	.2	39	.48	.091	7	13.2	.53	200	.124	1	.81	.062	.42	2.3	<.01	1.2	.3	<.05	4
2600E 4600N	.5	21.4	4.7	60	.1	27.8	11.7	651	2.75	4.1	.5	3.1	1.1	82	.1	.6	.1	73	.57	.068	11	43.1	.72	136	.122	1	1.93	.034	.10	<.1	.05	3.8	.1	<.05	5
2600E 4550N	.6	16.9	4.4	57	.1	23.1	10.9	723	2.45	2.7	.6	12.7	1.0	73	.1	.5	.1	66	.57	.054	11	39.1	.58	132	.118	2	1.85	.028	.16	<.1	.03	3.0	<.1	<.05	5
2600E 4500N	.5	14.7	3.9	57	.1	20.7	8.7	471	2.46	2.6	.3	1.0	.8	52	.1	.3	.1	67	.33	.102	4	38.2	.43	120	.131	<1	1.72	.025	.11	<.1	.01	2.1	<.1	<.05	5
2600E 4450N	.5	13.8	4.0	88	.1	18.7	6.7	616	1.92	1.8	.2	3.8	.8	44	.1	.3	.1	50	.31	.085	4	28.9	.34	136	.098	<1	1.68	.021	.08	<.1	.01	1.7	<.1	<.05	5
2600E 4400N	.4	14.6	3.7	68	.1	22.8	7.7	339	2.06	1.9	.4	.6	.9	47	.1	.2	.1	49	.36	.060	5	29.8	.53	106	.109	1	1.96	.025	.12	<.1	.01	2.0	<.1	<.05	5
2600E 4350N	.3	11.9	4.4	73	.1	16.3	6.0	301	1.84	1.7	.4	15.1	.7	48	.1	.3	.1	49	.42	.031	6	28.9	.39	85	.101	1	1.40	.031	.06	<.1	.02	1.9	<.1	<.05	4
2600E 4300N	.5	13.6	3.6	46	.1	20.8	8.4	324	2.33	2.7	.2	1.8	.7	47	<.1	.4	.1	64	.30	.067	3	39.3	.47	100	.115	<1	1.67	.025	.10	<.1	.01	1.8	<.1	<.05	5
2600E 4250N	.4	37.2	5.2	53	.2	31.3	11.8	845	2.62	2.6	3.5	.6	1.4	90	.1	.5	.1	65	.84	.040	24	39.8	.69	109	.102	1	2.43	.036	.08	<.1	.04	4.8	.1	<.05	6
2600E 4200N	.4	52.6	5.0	63	.2	36.5	13.0	889	2.93	2.3	2.6	2.4	1.4	102	.2	.5	.1	67	.97	.042	30	42.9	.81	158	.099	2	2.67	.039	.08	<.1	.04	6.0	.1	<.05	7
2600E 4150N	.4	13.8	4.2	42	.2	16.5	7.2	354	2.08	2.5	.5	186.0	.7	60	.1	.5	.1	53	.58	.039	8	32.5	.43	99	.100	1	1.49	.031	.08	<.1	.03	2.3	<.1	<.05	4
2600E 4100N	.4	11.5	3.9	56	.1	20.3	7.3	367	2.10	2.8	.2	25.2	.8	46	.1	.3	.1	56	.30	.074	4	34.1	.44	120	.114	1	1.86	.022	.15	<.1	.02	1.9	<.1	<.05	5
2600E 4050N	.4	15.6	4.6	64	.1	25.0	8.5	412	2.41	3.0	.3	1.2	1.0	58	.1	.3	.1	65	.44	.070	6	41.0	.51	97	.131	1	2.02	.031	.10	<.1	.02	2.6	<.1	<.05	5
2600E 4000N	.5	15.1	3.6	67	.1	25.7	8.9	394	2.82	3.7	.3	16.5	1.2	61	<.1	.5	.1	71	.48	.091	6	45.4	.48	124	.143	2	2.06	.029	.14	<.1	.02	2.8	<.1	<.05	6
2600E 3950N	.3	15.4	3.6	73	<.1	23.8	9.2	594	2.48	3.3	.3	6.7	.9	66	.1	.5	.1	71	.43	.070	5	43.0	.51	146	.135	2	1.72	.032	.20	<.1	.01	2.5	<.1	<.05	5
2600E 3900N	.5	24.4	3.4	50	.1	31.2	11.9	689	2.82	5.6	.5	3.4	1.2	89	.1	.4	<.1	72	.60	.102	10	44.2	.62	141	.110	2	1.84	.031	.22	<.1	.02	4.2	<.1	<.05	5
2600E 3850N	.9	19.9	5.7	49	.1	33.0	13.3	742	2.75	6.9	.5	40.7	1.1	114	.1	.7	.1	79	1.06	.087	11	45.4	.81	141	.096	2	1.38	.053	.11	.1	.08	3.7	<.1	<.05	4
2600E 3800N	.5	25.1	4.2	65	.1	37.0	14.5	434	3.10	6.0	.5	9.1	1.4	65	<.1	.5	.1	75	.39	.164	10	48.4	.66	114	.103	1	2.57	.029	.09	<.1	.02	4.2	<.1	<.05	7
2600E 3750N	.5	13.8	4.5	78	.2	23.7	9.1	539	1.99	5.8	.4	30.7	1.1	61	.2	.2	.1	44	.41	.420	6	25.9	.39	197	.080	2	2.20	.019	.08	<.1	.03	2.5	<.1	<.05	6
2600E 3700N	.4	6.3	5.1	45	.1	12.9	4.8	360	1.31	3.8	.2	.5	.6	32	<.1	.1	.1	31	.20	.145	3	18.6	.21	116	.083	1	1.39	.022	.08	<.1	.02	1.1	<.1	<.05	5
2600E 3650N	.5	15.5	4.5	59	.1	25.8	9.6	448	2.50	4.8	.3	2.3	.9	59	.1	.4	.1	62	.34	.108	4	36.1	.52	150	.111	<1	2.17	.019	.05	<.1	.03	2.0	<.1	<.05	6
2600E 3600N	.5	21.6	4.9	80	.1	33.5	11.3	748	2.64	4.0	.2	.9	.9	63	.1	.3	.1	73	.45	.098	3	42.2	.60	159	.126	1	2.58	.024	.11	<.1	.02	2.4	<.1	<.05	7
2800E 5400N	.6	11.0	5.4	73	.1	30.5	9.1	607	2.32	1.2	.3	27.7	.7	51	.1	.1	.1	65	.39	.075	6	41.0	.54	165	.115	2	2.19	.027	.12	<.1	.02	2.0	<.1	<.05	6
RE 2800E 5400N	.6	10.9	5.5	72	<.1	32.2	9.4	648	2.40	1.3	.3	<.5	.7	51	.1	.1	.1	64	.43	.077	6	40.6	.55	167	.120	2	2.20	.028	.12	<.1	.02	2.0	<.1	<.05	6
2800E 5350N	.8	13.0	5.6	66	.1	23.1	8.8	708	2.15	3.2	.4	34.5	.9	50	.1	.2	.1	54	.55	.110	7	30.8	.51	153	.076	3	2.03	.025	.13	<.1	.06	2.3	<.1	<.05	5
2800E 5300N	.7	12.6	5.8	53	.1	21.3	7.0	600	1.85	1.5	.3	.7	.8	47	.1	.2	.1	54	.41	.045	10	31.1	.37	113	.093	1	1.64	.028	.09	<.1	.03	2.3	<.1	<.05	4
2800E 5250N	.5	14.9	5.1	69	.1	26.9	9.7	346	2.61	3.4	.4	1.2	1.2	54	.1	.2	.1	64	.39	.112	8	37.9	.52	159	.096	1	2.43	.025	.12	<.1	.02	2.8	<.1	<.05	6
2800E 5200N	1.2	14.6	4.8	78	.1	26.4	9.9	510	2.41	3.8	.3	.8	.9	56	.1	.2	.1	58	.50	.201	6	34.0	.46	176	.085	4	2.16	.021	.16	<.1	.07	3.0	<.1	<.05	6
2800E 5150N	1.3	21.8	5.6	60	.1	28.0	11.7	797	2.58	5.9	.5	1.5	1.0	141	.1	.3	.1	65	.91	.051	17	37.9	.70	273	.067	4	2.09	.062	.16	<.1	.03	4.5	.1	<.05	5
2800E 5100N	1.0	14.6	5.5	80	.1	24.3	9.9	1103	2.32	3.6	.3	1.0	.9	66	.1	.3	.1	60	.61	.140	6	35.8	.51	155	.110	3	1.89	.028	.18	<.1	.04	2.7	<.1	<.05	5
2800E 5050N	.8	15.2	4.6	69	.1	29.6	11.5	616	2.78	3.1	.4	1.0	1.0	57	.1	.3	.1	71	.45	.110	7	40.9	.62	132	.133	2	2.12	.033	.13	<.1	.03	2.9	<.1	<.05	6
2800E 5000N	1.0	11.6	6.4	62	.1	20.4	8.1	557	2.12	2.5	.3	51.1	.6	47	.1	.3	.1	56	.41	.082	5	31.8	.45	117	.109	3	1.82	.029	.11	<.1	.04	2.0	<.1	<.05	5
2800E 4950N	.8	14.4	4.7	73	.1	26.1	9.9	725	2.35	3.2	.3	5.9	.9	52	.1	.2	.1	59	.40	.119	7	33.6	.50	138	.109	2	2.14	.028	.10	<.1	.02	2.5	<.1	<.05	6
2800E 4900N	1.6	21.1	5.0	52	.1	30.2	13.7	603	2.68	7.3	.6	4.5	.9	54	.2	.4	.1	74	.71	.043	11	41.5	.67	110	.081	4	2.03	.045	.12	<.1	.04	4.0	.1	<.05	5
STANDARD DS3	8.8	119.3	32.9	157	.3	36.5	12.1	814	3.23	29.8	6.8	19.2	3.7	27	6.0	5.6	5.7	75	.50	.093	17	177.7	.61	141	.098	4	1.73	.037	.15	3.4	.20	2.6	1.2	<.05	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
G-1	1.1	1.9	2.2	42	<.1	4.1	4.1	490	1.79	<.5	2.8	.8	5.0	61	<.1	<.1	.2	37	.58	.107	7	11.4	.53	217	.115	4	.84	.065	.46	2.4	<.01	1.5	.3	<.05	5
2800E 4850N	1.1	43.0	5.5	51	.3	41.8	12.5	843	2.61	10.4	1.3	2.7	1.0	53	.4	.5	.1	75	1.23	.040	18	35.8	.72	122	.068	4	1.98	.057	.05	<.1	.04	4.6	.1	<.05	5
2800E 4800N	.7	20.0	5.7	72	.1	25.9	9.6	806	2.44	3.7	.8	6.6	1.3	64	.2	.3	.1	56	.72	.045	15	33.9	.59	121	.099	1	2.10	.033	.10	<.1	.05	3.5	.1	<.05	5
2800E 4750N	.7	14.9	5.4	70	.1	26.2	9.9	461	2.39	2.4	.4	1.0	.9	50	.1	.3	.1	60	.53	.064	7	34.0	.53	106	.114	2	2.02	.034	.08	<.1	.04	2.1	<.1	<.05	5
2800E 4700N	.5	12.0	4.8	57	<.1	19.9	7.9	332	2.17	1.4	.4	.9	.8	48	.1	.3	.1	54	.38	.043	7	31.8	.45	98	.132	1	1.58	.039	.08	<.1	.02	2.3	<.1	<.05	4
2800E 4650N	.7	15.5	4.9	69	<.1	27.6	11.2	311	2.73	2.8	.4	1.4	1.1	58	.1	.2	.1	64	.38	.104	5	34.8	.57	143	.132	1	2.12	.028	.09	<.1	.03	2.5	<.1	<.05	6
2800E 4600N	.5	39.0	6.4	60	.2	38.4	11.6	634	2.79	2.9	1.7	<.5	1.4	76	.2	.3	.1	65	.93	.053	39	38.6	.66	120	.092	2	2.67	.036	.05	<.1	.06	5.7	.1	<.05	6
2800E 4550N	.6	20.4	6.3	66	.1	24.2	8.6	484	2.37	3.2	.7	.9	1.1	64	.1	.3	.1	52	.80	.047	15	32.9	.60	121	.096	1	1.99	.044	.06	<.1	.05	4.3	.1	<.05	5
2800E 4500N	1.0	23.6	5.0	75	.2	30.9	13.2	803	2.68	5.0	.5	2.1	.5	78	.4	.4	.1	60	.82	.122	10	37.5	.65	162	.074	3	1.97	.035	.29	<.1	.03	3.4	.1	<.05	5
2800E 4450N	.7	29.1	4.9	65	.2	40.8	12.0	529	2.84	7.6	.7	9.2	.8	102	.1	.4	.1	70	1.27	.082	14	42.2	.91	159	.072	6	1.93	.062	.12	.1	.04	4.1	.1	<.05	5
2800E 4400N	.8	38.3	4.7	129	.2	39.3	12.2	827	2.49	6.7	.8	2.0	.4	102	.8	.3	.1	56	2.05	.124	13	35.7	.68	148	.054	8	1.82	.034	.16	<.1	.04	3.9	.1	.07	5
2800E 4350N	.5	60.7	4.8	73	.2	59.9	12.1	561	2.63	5.6	1.0	2.0	.8	93	.4	.5	.1	64	1.48	.071	18	37.2	.82	117	.069	4	1.82	.062	.06	<.1	.05	4.3	.1	<.05	5
2800E 4300N	.6	47.0	4.4	65	.2	47.6	11.0	518	2.66	5.9	1.0	12.0	.6	88	.4	.6	.1	68	1.26	.071	17	39.5	.78	108	.073	4	1.71	.064	.07	<.1	.06	3.9	.1	.06	4
2800E 4250N	1.2	26.7	4.3	103	.1	31.9	11.0	740	2.36	4.0	.4	.6	.5	110	.4	.5	.1	55	1.26	.202	8	34.0	.60	179	.076	5	1.65	.029	.24	<.1	.03	2.8	<.1	<.05	4
2800E 4200N	.9	45.7	3.9	143	.2	34.1	12.7	1082	2.49	6.0	.5	1.9	.9	126	.2	.3	.1	52	1.21	.420	9	35.8	.58	295	.079	3	2.28	.024	.14	<.1	.05	3.8	.1	<.05	6
RE 2800E 4200N	.9	46.9	4.1	139	.2	33.1	12.8	1178	2.49	6.0	.5	.8	.9	125	.2	.3	.1	50	1.24	.444	9	35.2	.58	297	.083	3	2.24	.023	.14	<.1	.03	3.7	<.1	<.05	6
2800E 4150N	.7	35.3	5.8	74	.3	35.1	11.4	967	2.68	6.7	.9	2.0	1.3	81	.2	.5	.1	63	1.32	.049	22	35.8	.62	123	.081	2	2.20	.038	.05	<.1	.06	4.3	.1	<.05	6
2800E 4100N	1.0	14.3	4.0	64	.1	21.3	8.3	449	2.29	4.3	.3	54.4	.9	53	.1	.5	.1	62	.36	.056	5	33.6	.48	131	.119	1	1.46	.029	.11	<.1	.04	2.5	<.1	<.05	4
2800E 4050N	1.0	14.4	5.6	63	.1	20.3	8.6	498	2.00	4.4	.4	3.6	.6	61	.1	.5	.1	48	.61	.060	6	28.6	.46	120	.097	1	1.40	.030	.10	<.1	.06	2.3	<.1	<.05	4
2800E 4000N	.6	14.4	4.9	60	.2	22.1	8.9	429	2.34	3.1	.3	86.9	.9	56	.1	.5	.1	64	.40	.068	5	36.8	.48	127	.141	1	1.60	.031	.10	<.1	.04	2.4	<.1	<.05	5
2800E 3950N	.8	12.7	4.1	43	.1	16.8	7.8	401	2.13	1.8	.3	<.5	.8	46	.1	.3	.1	58	.34	.026	6	34.6	.39	95	.112	1	1.33	.031	.14	<.1	.02	2.2	<.1	<.05	4
2800E 3900N	.3	42.9	6.2	72	.2	34.7	11.4	777	2.97	4.7	1.4	.9	1.4	88	.2	.3	.1	60	1.10	.044	22	39.4	.85	134	.090	2	2.48	.051	.06	<.1	.04	5.6	.1	<.05	6
2800E 3850N	.6	12.4	5.2	104	.1	28.4	8.3	435	2.21	4.1	.3	13.0	1.1	32	.1	.3	.1	48	.23	.194	4	31.0	.46	159	.106	1	2.68	.017	.19	<.1	.02	2.1	<.1	<.05	8
2800E 3800N	1.6	5.1	8.1	65	.1	9.6	3.8	1189	.99	1.5	.1	2.1	.3	52	.2	.3	.1	25	.52	.036	2	15.6	.20	120	.071	1	.90	.020	.06	<.1	.06	.9	<.1	<.05	3
2800E 3750N	.5	20.9	4.0	61	.1	30.3	9.9	359	2.95	6.2	.4	66.1	1.3	67	.1	.6	.1	76	.47	.043	9	48.5	.61	120	.136	1	2.18	.033	.11	<.1	.03	4.3	.1	<.05	6
2800E 3700N	.5	9.0	4.3	78	<.1	17.8	6.0	540	2.10	1.7	.2	1.1	.8	41	.1	.5	.1	56	.28	.024	3	34.1	.32	151	.138	1	1.47	.027	.09	<.1	.01	1.8	<.1	<.05	5
2800E 3650N	.6	9.9	3.5	75	.2	14.4	6.4	616	1.77	1.8	.2	3.4	.5	46	.1	.3	.1	47	.27	.051	3	31.0	.33	138	.104	1	1.11	.028	.11	<.1	.01	1.5	<.1	<.05	3
2800E 3600N	.5	35.6	5.7	108	.2	26.7	10.2	1102	2.55	3.6	.9	7.8	1.1	94	.2	.4	.1	53	1.26	.062	20	36.2	.54	281	.096	4	2.04	.035	.12	<.1	.04	4.3	.1	<.05	5
2800E 3550N	.5	32.7	4.4	55	.2	40.0	15.1	640	3.29	12.7	.7	14.4	1.6	113	.1	.7	.1	76	.91	.105	14	45.7	1.04	156	.106	2	1.85	.069	.07	<.1	.05	5.4	.1	<.05	5
2800E 3500N	.7	15.5	5.2	48	.1	16.5	8.5	312	1.89	3.2	.3	2.1	.6	69	.1	.3	.1	46	.75	.045	5	28.5	.47	97	.088	2	1.32	.031	.06	<.1	.05	1.9	<.1	<.05	4
2800E 3450N	.5	11.3	4.9	75	.1	19.1	6.7	391	2.04	3.3	.2	53.3	.8	42	.1	.3	.1	49	.29	.091	3	30.7	.33	131	.116	1	1.83	.018	.08	<.1	.03	1.6	<.1	<.05	6
2800E 3400N	.5	21.1	4.2	65	.1	33.5	11.1	306	2.99	5.2	.4	27.0	1.2	69	.1	.4	.1	72	.47	.155	5	44.0	.63	171	.128	<1	3.11	.022	.11	<.1	.02	2.9	<.1	<.05	8
2800E 3350N	.8	19.2	4.9	131	.1	24.3	9.0	1115	2.00	4.3	.2	<.5	.9	64	.2	.2	.1	47	.60	.209	4	30.0	.43	260	.088	2	2.04	.019	.11	<.1	.03	1.9	<.1	<.05	7
2800E 3300N	.6	19.2	4.6	87	.1	22.9	9.6	1183	2.10	3.4	.3	<.5	1.0	45	.1	.2	.1	48	.41	.264	4	28.1	.41	223	.092	1	2.05	.019	.08	<.1	.03	1.9	<.1	<.05	6
STANDARD DS3	8.9	122.7	33.3	158	.3	36.9	11.8	808	3.31	31.3	6.4	20.3	3.7	27	6.3	5.5	5.8	74	.54	.093	17	177.5	.61	146	.091	2	1.67	.037	.16	4.0	.23	2.5	1.1	<.05	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
G-1	1.1	2.1	2.0	40	<.1	3.9	3.5	489	1.84	<.5	3.2	.8	5.3	64	<.1	<.1	.2	37	.57	.102	7	11.2	.57	230	.116	3	.78	.066	.44	2.5	<.01	1.4	.3	<.05	5
2800E 3250N	.4	18.5	5.2	83	.2	21.7	9.2	679	2.01	5.7	.3	167.4	1.1	33	.1	.2	.1	49	.27	.242	3	25.8	.42	190	.091	2	2.22	.015	.08	.1	.04	1.6	<.1	<.05	8
2800E 3200N	.5	24.0	5.4	62	<.1	24.1	10.4	954	2.31	3.3	.3	2.8	.9	60	.1	.2	.1	65	.50	.072	4	32.4	.61	176	.104	1	1.99	.020	.11	<.1	.04	2.0	<.1	<.05	6
2800E 3150N	.3	23.6	5.4	54	.1	21.5	7.7	392	2.18	2.0	.4	.7	1.2	48	.1	.2	.1	53	.50	.046	7	33.5	.65	114	.113	1	2.04	.025	.05	<.1	.02	2.8	<.1	<.05	6
2800E 3100N	.5	20.1	4.4	76	.1	24.7	9.7	708	2.23	3.4	.4	5.1	1.1	43	.1	.2	.1	52	.41	.171	4	31.1	.57	153	.087	1	2.35	.016	.07	<.1	.02	2.4	<.1	<.05	6
2800E 3050N	.5	36.6	2.8	42	<.1	28.8	14.0	500	3.01	5.4	.4	11.1	1.4	79	<.1	.4	<.1	92	.75	.092	9	41.6	.93	97	.108	2	1.29	.068	.08	<.1	.03	3.6	<.1	<.05	4
2800E 3000N	.5	32.0	3.9	50	.1	34.3	12.8	484	3.29	5.4	.5	2.6	1.7	100	.1	.6	.1	84	.78	.065	15	41.9	.86	164	.099	1	1.59	.040	.10	<.1	.04	5.3	.1	<.05	4
3000E 5450N	.6	22.4	4.5	66	<.1	57.3	16.6	712	3.56	1.5	.7	.7	1.4	56	.2	.1	.1	87	.78	.060	16	43.0	1.09	117	.188	2	1.66	.040	.26	<.1	.03	6.8	.1	<.05	6
3000E 5400N	.6	38.8	4.0	58	.3	71.1	21.0	707	3.84	31.1	.5	36.7	1.3	91	.1	1.7	.1	94	1.15	.117	14	69.0	1.78	72	.082	2	2.01	.076	.07	.1	.05	6.1	.1	<.05	6
3000E 5350N	.8	31.7	4.2	74	.2	46.9	15.5	721	2.86	9.9	1.4	5.4	.5	113	.3	.6	.1	77	1.48	.142	14	54.0	1.20	141	.035	7	1.97	.051	.16	.1	.04	4.9	.1	<.05	5
3000E 5300N	1.1	32.3	4.3	68	.2	45.7	15.8	676	2.96	10.1	.8	4.6	.4	100	.2	.5	<.1	75	1.49	.156	10	53.3	1.36	120	.037	7	1.95	.042	.25	<.1	.03	3.9	<.1	<.05	5
3000E 5250N	.6	13.4	4.6	97	.1	25.6	9.0	625	2.28	3.3	.3	4.1	.9	49	.1	.2	.1	51	.48	.250	5	33.5	.44	224	.091	2	2.14	.023	.19	<.1	.02	2.2	<.1	<.05	6
3000E 5200N	.6	21.3	4.3	53	.1	35.2	12.4	526	3.01	4.8	.5	6.3	1.1	81	.1	.3	.1	79	.58	.078	11	47.4	.82	156	.101	1	2.22	.034	.19	<.1	.01	4.3	.1	<.05	6
3000E 5150N	.9	23.5	4.5	85	.3	37.4	15.0	836	2.87	11.5	.4	7.9	.8	87	.2	.6	.1	68	.93	.192	8	45.0	.79	139	.066	3	2.19	.035	.12	.1	.03	3.7	.1	<.05	6
3000E 5100N	1.9	19.3	4.6	80	.2	26.2	11.6	1023	2.40	5.9	.4	8.3	.3	51	.2	.3	.1	58	.61	.131	8	34.2	.58	148	.055	2	2.03	.021	.15	<.1	.04	2.4	<.1	<.05	5
3000E 5050N	.9	20.8	4.7	55	.1	27.6	11.5	536	2.59	5.0	.4	3.2	.4	79	.2	.3	.1	63	.97	.107	8	36.4	.70	140	.065	5	1.95	.029	.24	<.1	.03	2.7	.1	<.05	5
3000E 5000N	.7	21.4	4.9	81	.1	30.2	10.9	729	2.53	5.5	.4	36.1	.8	88	.3	.3	.1	53	1.11	.110	10	35.8	.70	175	.072	8	1.59	.037	.44	<.1	.08	4.1	.1	<.05	4
3000E 4950N	1.0	20.4	4.5	110	.1	28.2	10.5	869	2.54	4.0	.3	2.5	.9	102	.2	.3	.1	56	1.05	.120	7	34.4	.62	224	.089	4	1.78	.031	.24	<.1	.03	3.3	<.1	<.05	5
3000E 4900N	.7	13.0	3.8	82	.1	23.2	8.2	539	2.25	2.8	.2	26.6	.9	53	.1	.2	.1	52	.50	.078	6	31.7	.54	146	.084	3	1.64	.034	.25	<.1	.02	2.8	.1	<.05	5
3000E 4850N	.6	16.1	4.5	84	.1	22.6	7.9	608	2.46	2.9	.3	3.1	.9	59	.1	.2	.1	61	.58	.075	7	33.3	.51	176	.086	3	1.78	.025	.19	<.1	.02	3.0	.1	<.05	5
3000E 4800N	.6	23.0	4.4	64	.2	28.2	10.8	569	2.64	6.0	.5	1.2	1.2	116	.1	.2	.1	58	1.42	.122	13	31.3	.64	231	.045	5	1.96	.027	.22	<.1	.02	4.8	.1	<.05	5
3000E 4750N	.7	11.6	4.1	106	.1	19.5	6.8	721	2.15	2.7	.3	<.5	.8	41	.1	.2	.1	51	.36	.119	5	29.1	.42	155	.087	2	1.85	.028	.18	<.1	.02	2.3	.1	<.05	5
3000E 4700N	.8	27.2	5.1	142	.1	30.7	12.4	1758	2.44	4.1	.4	4.6	.8	87	.4	.2	.1	51	.89	.218	8	34.8	.61	312	.071	4	2.17	.024	.29	<.1	.02	3.5	<.1	<.05	5
RE 3000E 4700N	.8	26.6	5.1	142	.1	31.9	13.0	1797	2.56	4.1	.4	1.5	.9	91	.3	.2	.1	51	.93	.222	8	34.0	.61	305	.073	3	2.14	.023	.29	<.1	.03	3.4	<.1	<.05	6
3000E 4650N	.7	27.1	5.0	88	.1	36.8	14.7	876	2.77	4.9	.5	1.1	.6	90	.2	.4	.1	67	1.04	.104	10	38.4	.81	160	.085	3	2.04	.034	.20	<.1	.03	4.0	.1	<.05	6
3000E 4600N	1.1	31.5	5.4	87	.1	32.0	11.8	669	2.32	5.5	.6	1.1	.4	78	.2	.3	.1	65	1.35	.110	12	36.0	.71	121	.072	7	1.87	.043	.15	.1	.04	3.2	.1	<.05	5
3000E 4550N	.5	38.4	6.0	57	.1	34.8	11.9	566	2.76	4.3	1.0	2.2	1.2	84	.3	.4	.1	63	1.56	.036	17	35.3	.79	107	.095	7	2.04	.062	.10	<.1	.04	4.9	.1	<.05	5
3000E 4500N	.6	46.6	5.4	87	.2	39.0	9.9	555	2.84	3.2	1.0	1.3	1.2	92	.2	.4	.1	59	1.30	.053	27	35.4	.66	119	.096	5	2.38	.038	.14	<.1	.07	5.4	.1	<.05	6
3000E 4450N	.4	44.8	5.8	98	.3	39.6	11.7	937	2.98	5.7	1.6	1.4	1.4	80	.3	.4	.1	69	1.12	.049	27	38.4	.74	118	.115	2	2.76	.051	.08	<.1	.04	5.6	.1	<.05	6
3000E 4400N	.9	21.7	5.6	59	.1	27.7	10.8	629	2.58	5.1	.8	1.8	1.0	84	.1	.4	.1	68	.88	.055	12	37.3	.70	117	.110	2	1.82	.047	.10	<.1	.07	4.4	.1	<.05	5
3000E 4350N	.6	49.9	4.8	75	.6	50.2	12.1	811	3.15	7.8	1.2	3.5	1.0	87	.2	.5	.1	70	1.30	.060	30	42.0	.81	133	.093	1	3.01	.043	.10	<.1	.06	5.7	.1	<.05	7
3000E 4300N	.6	9.9	3.8	63	<.1	13.8	5.7	346	1.81	2.0	.2	1.5	.6	41	.1	.3	.1	54	.37	.040	3	25.2	.35	120	.117	1	1.19	.029	.08	<.1	.04	1.5	<.1	<.05	4
3000E 4250N	.6	18.7	6.2	75	.2	25.3	10.2	745	2.15	3.8	.5	66.8	.7	68	.1	.4	.1	60	.90	.070	8	32.8	.67	126	.095	2	1.84	.030	.11	<.1	.06	2.5	<.1	<.05	5
3000E 4200N	.6	10.0	4.1	71	.1	15.3	6.2	478	1.93	1.7	.2	.8	.5	36	.1	.3	<.1	55	.22	.046	3	29.4	.37	111	.129	1	1.51	.028	.09	<.1	.01	1.6	<.1	<.05	4
STANDARD DS3	8.7	120.0	32.7	156	.3	36.9	11.6	803	3.40	29.9	6.4	19.5	3.7	27	6.1	5.5	5.8	74	.51	.089	17	174.4	.63	146	.088	3	1.69	.036	.15	3.7	.23	2.4	1.1	<.05	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
G-1	1.1	1.8	2.0	40	<.1	3.8	3.7	463	1.72	<.5	2.9	.6	5.0	61	<.1	<.1	.2	35	.47	.101	7	10.9	.54	205	.110	2	.82	.064	.41	2.4	<.01	1.3	.3	<.05	4
3000E 4150N	.8	10.8	4.1	55	.1	16.3	6.2	178	1.94	2.3	.3	3.2	.6	36	.1	.4	.1	55	.23	.049	5	30.1	.38	74	.119	<1	1.33	.032	.06	<.1	.02	1.5	<.1	<.05	4
3000E 4100N	.5	12.2	3.9	66	.2	15.7	7.2	376	1.83	1.9	.3	3.9	.7	48	.1	.3	.1	47	.37	.037	7	27.8	.40	83	.104	2	1.28	.034	.07	<.1	.02	1.9	<.1	<.05	4
3000E 4050N	.5	17.7	4.3	67	.2	28.1	11.6	412	2.86	5.5	.5	6.9	1.2	69	.1	.5	.1	76	.46	.063	7	42.9	.68	136	.140	2	1.74	.030	.12	<.1	.03	3.0	.1	<.05	5
3000E 4000N	.8	15.0	3.6	50	.1	19.9	9.5	321	2.18	3.0	.4	.6	.8	49	<.1	.3	.1	58	.34	.019	7	33.6	.42	68	.093	1	1.28	.030	.09	<.1	.02	2.3	<.1	<.05	3
3000E 3950N	.3	112.2	7.3	53	.3	44.8	6.0	81	1.75	3.6	3.4	5.2	1.6	86	.2	.3	.1	54	1.01	.115	38	25.1	.69	152	.081	2	2.76	.040	.04	<.1	.03	4.3	.1	<.05	7
3000E 3900N	.5	12.8	4.5	67	.1	20.1	7.0	498	2.47	3.7	.3	42.2	1.1	59	.1	.6	.1	69	.38	.044	6	38.6	.39	156	.148	1	1.55	.023	.13	.1	.05	2.3	.1	<.05	4
3000E 3850N	.5	9.2	3.8	98	<.1	18.3	5.9	606	2.00	3.6	.2	5.2	.9	38	.1	.3	.1	49	.29	.052	4	29.0	.34	181	.110	2	1.69	.020	.09	<.1	.02	1.8	<.1	<.05	5
3000E 3800N	1.0	19.7	4.4	69	<.1	25.7	10.6	697	2.89	5.8	.4	1.5	1.3	60	.1	.3	.1	63	.51	.045	8	39.8	.48	176	.073	4	1.42	.031	.11	<.1	.03	4.2	<.1	<.05	4
3000E 3750N	.5	8.0	3.7	67	<.1	11.6	4.8	373	1.80	2.1	.2	12.2	.7	31	.1	.3	.1	51	.29	.036	4	26.5	.25	189	.106	2	1.07	.023	.11	<.1	.02	1.6	<.1	<.05	4
3000E 3700N	.8	16.5	5.8	93	.1	17.0	7.6	967	2.04	4.4	.5	1.8	.8	52	.2	.3	.1	49	.79	.063	7	26.8	.35	300	.072	3	1.27	.020	.12	<.1	.06	2.5	<.1	<.05	4
3000E 3650N	.7	12.6	4.2	38	.1	16.1	8.7	395	2.34	3.0	.4	1.6	1.0	49	<.1	.4	.1	62	.41	.020	7	34.2	.45	231	.109	3	1.32	.030	.10	<.1	.03	2.6	<.1	<.05	4
3000E 3600N	.7	24.3	4.6	139	.1	21.5	8.0	1730	2.19	4.3	.2	<.5	.7	80	.3	.3	.1	55	.85	.111	5	35.4	.42	425	.103	3	1.68	.021	.16	<.1	.02	2.4	<.1	<.05	5
3000E 3550N	.5	11.6	4.2	42	.2	16.6	7.6	361	2.02	2.4	.3	175.4	.5	51	<.1	.3	.1	54	.53	.079	4	30.2	.42	133	.112	3	1.49	.031	.08	<.1	.03	1.8	<.1	<.05	4
RE 3000E 3550N	.4	11.7	4.1	41	.1	16.2	7.2	349	1.99	2.3	.4	3.5	.5	50	.1	.3	.1	54	.47	.081	4	29.1	.40	126	.112	2	1.45	.029	.08	<.1	.02	1.8	<.1	<.05	4
3000E 3500N	.5	28.1	6.4	69	.1	31.1	10.3	681	2.07	3.5	.8	1.0	.5	91	.1	.2	.1	56	1.30	.072	7	62.0	.72	190	.096	7	1.80	.035	.09	<.1	.06	2.3	<.1	<.05	5
3000E 3450N	.6	26.4	4.7	61	.1	32.1	11.4	523	2.44	4.1	.3	.5	.7	80	.1	.3	.1	67	.69	.097	6	53.9	.72	129	.103	2	2.25	.031	.09	.1	.06	2.4	<.1	<.05	5
3000E 3400N	.4	13.6	4.9	47	<.1	19.2	7.6	439	1.90	1.9	.2	.6	.9	31	<.1	.1	.1	46	.25	.061	3	24.5	.41	117	.097	<1	2.06	.019	.05	<.1	.02	1.4	<.1	<.05	5
3000E 3350N	.5	25.8	4.4	66	.1	25.7	11.3	744	2.37	4.2	.3	.7	1.2	31	<.1	.1	.1	57	.27	.161	4	31.9	.58	149	.102	2	2.86	.017	.09	<.1	.03	2.0	<.1	<.05	7
3000E 3300N	.4	50.3	2.4	43	<.1	31.4	16.4	464	3.43	4.9	.5	.9	1.8	87	<.1	.2	<.1	99	.54	.085	10	43.8	1.10	130	.117	1	2.41	.073	.10	<.1	.02	4.3	<.1	<.05	6
3000E 3250N	.4	40.7	3.0	53	.1	32.4	16.1	477	3.35	4.9	.5	2.7	1.6	73	<.1	.2	<.1	94	.47	.114	8	45.4	.88	135	.118	2	2.76	.027	.12	.1	.02	4.0	<.1	<.05	7
3000E 3200N	.4	21.6	2.8	49	<.1	21.4	10.4	488	2.74	4.2	.3	4.7	1.3	69	.1	.3	<.1	74	.52	.061	6	42.0	.61	103	.126	2	1.56	.044	.19	<.1	.02	3.1	<.1	<.05	4
3200E 5450N	.9	18.6	4.7	176	.1	44.9	14.6	821	3.00	2.7	.3	1.3	1.2	41	.2	.1	.1	74	.32	.164	6	41.9	.75	167	.111	1	2.93	.033	.11	<.1	.02	3.3	<.1	<.05	8
3200E 5400N	3.3	15.5	4.7	54	<.1	33.2	12.7	588	3.01	3.3	.4	1.3	1.1	70	<.1	.1	.1	82	.41	.044	8	42.8	.91	127	.130	2	1.81	.041	.13	<.1	.02	3.5	.1	<.05	5
3200E 5350N	.5	21.6	7.1	89	.1	50.5	16.9	1524	3.75	3.2	.4	27.5	1.1	45	.2	.1	.1	98	.48	.135	7	47.9	.95	138	.169	2	3.17	.025	.10	<.1	.05	4.1	.1	<.05	9
3200E 5300N	.4	16.0	4.2	70	<.1	33.6	12.0	480	3.03	1.9	.4	1.3	1.4	69	<.1	.2	.1	86	.58	.053	6	41.7	.72	116	.177	1	2.08	.043	.13	<.1	.03	4.1	<.1	<.05	6
3200E 5250N	.5	10.3	4.3	61	.1	20.8	7.9	470	2.10	2.8	.3	1.2	.7	38	.1	.2	.1	57	.26	.053	4	32.6	.45	130	.131	2	1.95	.029	.08	<.1	.01	2.1	<.1	<.05	6
3200E 5200N	.5	11.7	3.3	67	<.1	39.2	11.9	476	2.57	1.1	.2	1.4	.8	48	<.1	.1	<.1	102	.33	.038	3	99.5	.65	82	.187	<1	1.56	.065	.09	<.1	.01	2.3	<.1	<.05	5
3200E 5150N	.7	15.8	4.9	119	.1	31.8	10.5	564	2.62	3.0	.3	.9	1.1	51	.2	.2	.1	57	.32	.146	6	35.7	.61	166	.084	<1	2.85	.018	.13	<.1	.01	2.6	.1	<.05	8
3200E 5100N	.5	12.3	4.1	56	<.1	23.7	8.4	358	2.65	1.2	.4	.9	1.0	56	.1	.2	.1	61	.32	.042	8	37.3	.59	122	.104	<1	2.00	.026	.14	<.1	.01	2.7	.1	<.05	6
3200E 5050N	1.0	16.0	6.4	56	.1	31.1	11.3	456	2.59	4.6	1.3	4.8	1.0	66	.2	.3	.1	57	.80	.040	10	35.4	.77	95	.087	3	1.79	.035	.08	<.1	.06	4.2	<.1	<.05	5
3200E 5000N	1.3	15.8	6.0	96	<.1	22.2	10.1	759	2.34	1.9	.4	5.8	1.1	69	.2	.3	.1	52	.53	.066	8	33.3	.50	171	.099	3	1.65	.034	.18	<.1	.04	2.9	.1	<.05	5
3200E 4950N	1.0	17.0	5.0	134	.1	26.2	10.4	1256	2.27	3.1	.4	1.8	.6	74	.3	.2	.1	44	.80	.157	7	30.6	.54	222	.074	4	2.01	.022	.22	<.1	.03	2.6	<.1	<.05	6
3200E 4900N	.6	21.6	4.9	80	.2	32.8	10.5	584	2.16	2.4	1.7	1.2	.6	85	.5	.2	.1	36	1.68	.100	13	31.7	.77	246	.039	9	2.12	.044	.09	<.1	.06	3.1	.1	.10	6
STANDARD DS3	9.1	119.9	31.8	153	.3	36.0	12.4	796	3.30	29.6	6.9	23.1	3.7	27	6.1	5.6	5.6	72	.56	.094	17	178.3	.62	141	.092	2	1.76	.037	.15	4.0	.23	2.5	1.2	<.05	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
G-1	1.1	1.9	2.0	40	<.1	4.6	3.7	480	1.70	<.5	2.6	<.5	5.0	59	<.1	<.1	.2	37	.52	.087	6	12.7	.56	213	.116	4	.79	.058	.46	2.2	.02	1.2	.3	<.05	4
3200E 4850N	.9	23.5	5.2	75	.1	32.9	13.2	819	2.54	4.6	.9	3.3	.8	67	.2	.4	.1	60	1.04	.081	13	36.7	.72	161	.069	5	1.97	.029	.14	<.1	.06	4.1	.1	.06	5
3200E 4800N	.5	25.9	4.8	67	.2	36.4	15.2	576	2.87	4.0	.6	1.2	.9	83	.2	.3	.1	57	1.09	.065	13	44.9	.86	149	.082	5	2.00	.040	.14	<.1	.05	5.2	.1	.08	6
3200E 4750N	1.0	22.7	5.6	75	.1	30.5	14.3	707	2.48	4.1	.5	<.5	1.1	66	.2	.3	.1	61	.78	.044	12	39.4	.74	110	.083	3	1.77	.044	.15	<.1	.04	4.2	.1	<.05	5
3200E 4700N	.6	17.8	4.5	59	.1	31.6	13.1	444	2.85	4.1	.4	.8	1.3	87	.1	.5	.1	68	.73	.056	11	42.5	.81	123	.117	3	1.91	.038	.16	<.1	.03	4.7	<.1	<.05	5
3200E 4650N	.7	23.3	4.9	59	.2	26.5	10.8	672	2.22	2.9	.4	12.9	.8	61	.2	.3	.1	58	.63	.051	16	34.4	.55	123	.103	2	1.58	.034	.16	<.1	.04	3.3	.1	.06	5
3200E 4600N	.8	27.2	5.2	67	.2	32.1	12.3	704	2.56	3.9	.7	<.5	1.0	77	.2	.3	.1	61	.74	.059	15	39.2	.73	119	.102	4	1.83	.034	.14	<.1	.05	4.3	.1	<.05	5
3200E 4550N	.6	14.3	4.2	85	.1	18.3	8.4	507	1.85	1.6	.3	1.4	.8	44	.1	.2	.1	54	.38	.071	5	30.7	.45	105	.127	2	1.47	.028	.15	<.1	.01	2.3	<.1	<.05	4
3200E 4500N	.7	16.2	4.7	87	.1	22.1	9.1	542	2.24	2.5	.3	9.0	.7	56	.1	.2	.1	55	.39	.111	6	35.3	.58	141	.118	2	1.69	.027	.14	<.1	.02	2.5	<.1	<.05	5
3200E 4450N	.6	8.4	4.2	63	<.1	13.9	6.1	476	1.77	1.7	.2	1.6	.6	42	<.1	.2	.1	48	.34	.053	3	28.9	.37	113	.119	2	1.42	.030	.12	<.1	.02	1.5	<.1	<.05	4
3200E 4400N	.4	9.7	4.6	58	.1	13.4	5.0	365	1.73	1.6	.3	11.2	.7	45	.2	.2	.1	49	.37	.033	5	29.5	.35	100	.127	1	1.30	.036	.07	<.1	.01	1.8	<.1	<.05	4
3200E 4350N	.4	11.3	4.6	50	<.1	15.6	7.6	259	2.08	1.1	.3	<.5	.7	50	.1	.3	.1	51	.41	.044	4	29.5	.44	115	.139	2	1.36	.037	.09	<.1	.01	1.7	<.1	<.05	4
RE 3200E 4350N	.5	10.8	4.6	51	.1	16.1	7.7	250	2.01	1.3	.3	<.5	.7	51	.1	.3	.1	52	.40	.044	4	31.0	.46	109	.139	1	1.47	.041	.10	<.1	.02	2.0	<.1	<.05	4
3200E 4300N	.7	10.2	4.6	58	.1	17.0	7.1	240	2.04	1.7	.3	2.1	.7	44	.1	.3	.1	51	.36	.059	4	32.8	.43	100	.142	2	1.57	.034	.09	<.1	.02	2.0	<.1	<.05	4
3200E 4250N	.9	9.0	4.7	64	.1	15.1	6.3	385	1.90	2.2	.2	.7	.6	36	.1	.3	.1	52	.25	.074	4	30.8	.33	126	.140	1	1.62	.022	.10	<.1	.02	1.6	<.1	<.05	5
3200E 4200N	.8	14.9	5.4	65	.1	26.7	9.8	611	2.55	4.3	.3	11.8	1.2	76	.1	.4	.1	68	.56	.067	7	37.1	.69	159	.143	1	2.02	.024	.13	<.1	.04	3.3	.1	<.05	5
3200E 4150N	.5	18.8	5.2	55	.1	26.9	8.3	728	2.18	3.2	.8	4.1	.9	76	.1	.3	.1	56	.95	.031	15	36.1	.67	111	.095	4	1.90	.049	.06	<.1	.04	3.7	.1	<.05	5
3200E 4100N	.6	21.5	4.1	68	.1	49.8	12.9	498	3.02	3.6	.4	20.7	1.2	74	.1	.3	.1	91	.55	.081	7	74.5	.90	117	.156	<1	2.30	.046	.09	<.1	.01	4.6	<.1	<.05	6
3200E 4050N	.6	16.4	4.3	96	.1	32.9	11.3	807	2.67	3.9	.3	14.5	1.2	55	.1	.2	.1	56	.39	.143	5	40.7	.64	144	.096	1	2.48	.026	.07	<.1	.02	3.4	<.1	<.05	6
3200E 4000N	.5	24.2	3.7	69	.1	60.2	14.1	463	3.24	5.3	.4	10.3	1.2	76	<.1	.3	.1	90	.54	.080	6	70.2	1.09	123	.147	1	2.38	.045	.08	<.1	.04	4.1	<.1	<.05	6
3200E 3950N	.4	14.8	5.1	75	.1	19.6	7.0	606	1.76	2.2	.3	<.5	.8	45	.1	.2	.1	45	.33	.066	7	29.2	.41	125	.096	1	1.77	.028	.07	<.1	.02	2.5	<.1	<.05	5
3200E 3900N	.5	16.2	4.5	105	.1	30.9	7.9	602	2.21	1.8	.2	<.5	.8	58	.1	.2	.1	69	.46	.082	3	76.4	.53	156	.128	2	1.77	.037	.10	.1	.02	2.4	<.1	<.05	5
3200E 3850N	.5	32.8	4.8	66	.1	36.3	14.1	709	3.71	7.7	.6	40.6	1.6	89	.1	.5	.1	93	.66	.079	15	48.4	.87	335	.097	1	1.99	.049	.07	<.1	.08	8.0	.1	<.05	5
3200E 3800N	.5	18.5	4.7	69	.1	32.1	9.7	532	2.11	2.3	.3	7.2	.4	52	<.1	.2	.1	58	.59	.053	4	76.3	.64	225	.105	2	1.70	.032	.16	<.1	.02	2.1	<.1	<.05	5
3200E 3750N	.6	9.5	6.7	129	.1	10.6	4.1	943	1.52	2.4	.2	<.5	.8	42	.3	.2	.1	38	.52	.063	5	19.2	.21	507	.071	4	1.01	.019	.11	<.1	.03	1.4	<.1	<.05	3
3200E 3700N	.4	16.5	4.2	68	.1	28.2	8.4	487	2.36	3.5	.3	12.2	1.0	54	.1	.2	.1	65	.51	.047	6	55.9	.59	281	.130	3	1.68	.036	.20	<.1	.01	3.0	.1	<.05	5
3200E 3650N	.5	19.3	3.7	80	<.1	32.6	8.6	315	2.67	2.3	.3	1.7	1.2	50	.1	.2	.1	79	.42	.044	5	67.7	.59	167	.146	1	1.93	.035	.14	<.1	.01	3.4	.1	<.05	6
3200E 3600N	.6	22.0	4.3	66	.1	30.6	10.3	507	2.79	1.8	.4	<.5	1.1	65	.1	.3	.1	78	.50	.049	10	64.7	.64	209	.142	2	1.78	.037	.19	<.1	.02	4.4	.1	<.05	5
3200E 3550N	.6	17.6	4.4	58	<.1	24.3	8.9	605	2.50	2.4	.3	1.4	.9	63	.1	.2	.1	62	.57	.045	7	49.1	.53	197	.114	1	1.72	.029	.21	<.1	.02	3.2	.1	<.05	5
3200E 3500N	.4	18.9	3.7	61	<.1	30.6	8.3	323	2.35	1.7	.2	2.0	.8	51	<.1	.2	.1	69	.32	.035	4	80.3	.64	146	.130	1	1.62	.034	.11	<.1	.01	2.7	<.1	<.05	5
3200E 3450N	.5	32.2	4.6	64	<.1	56.0	15.1	607	3.50	3.9	.5	1.2	1.6	122	.1	.3	.1	86	.69	.067	15	76.2	1.21	217	.117	1	2.19	.050	.15	<.1	.01	6.0	.1	<.05	6
3200E 3400N	.5	26.0	3.5	54	.1	35.1	11.1	407	2.69	3.7	.4	1.9	1.3	70	.1	.3	.1	65	.62	.067	13	48.7	.79	213	.074	2	1.84	.035	.11	<.1	.02	5.7	.1	<.05	5
3200E 3350N	.6	10.4	3.3	91	.1	10.6	4.6	1141	1.27	2.1	.1	<.5	.4	39	.2	.1	.1	33	.33	.075	3	20.2	.23	208	.061	1	.82	.027	.11	<.1	.03	1.7	<.1	<.05	3
3200E 3300N	.7	19.1	4.6	94	.1	26.7	10.5	1376	2.64	4.6	.3	2.0	1.0	71	.2	.3	.1	60	.58	.095	6	42.6	.60	227	.074	3	1.67	.029	.14	<.1	.04	4.2	.1	<.05	5
STANDARD DS3	8.9	123.7	33.4	156	.3	36.1	11.9	784	3.37	30.7	6.2	22.8	4.0	26	6.1	5.6	5.6	70	.51	.092	17	184.1	.60	143	.087	1	1.66	.036	.15	3.8	.21	2.8	1.2	<.05	6

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
G-1	1.0	2.4	2.1	41	<.1	3.9	3.6	492	1.67	<.5	2.8	.6	5.1	60	<.1	<.1	.2	39	.48	.099	7	12.1	.53	218	.122	2	.79	.066	.45	2.3	<.01	1.5	.3	<.05	4
3200E 3250N	.7	11.6	3.6	80	.1	14.3	5.9	715	1.72	2.8	.2	2.6	.7	42	.1	.2	.1	54	.25	.072	3	30.2	.31	167	.078	<1	1.06	.028	.08	<.1	.01	1.9	<.1	<.05	3
3200E 3200N	.4	21.6	4.0	60	<.1	29.0	10.9	471	2.49	3.9	.4	1.5	1.4	89	.1	.3	.1	68	.46	.053	9	40.5	.73	188	.074	2	1.66	.028	.12	<.1	.02	5.0	.1	<.05	5
3200E 3150N	.4	27.0	4.5	72	.1	22.1	9.4	564	2.07	3.9	.3	12.4	1.1	28	.1	.2	.1	55	.24	.170	4	28.3	.47	133	.096	<1	1.99	.017	.10	<.1	.04	2.0	.1	<.05	5
3200E 3100N	.3	33.8	5.4	54	<.1	33.3	14.2	939	2.81	3.2	.3	3.0	1.2	71	.1	.3	.1	76	.61	.079	9	41.3	.74	130	.095	2	1.50	.033	.17	<.1	.05	3.5	.1	<.05	5
3200E 3050N	.5	57.6	2.4	31	.1	21.3	10.2	182	2.01	4.7	3.6	1.3	.6	50	.1	.2	<.1	64	.39	.026	6	39.7	.56	65	.086	2	1.43	.037	.03	<.1	.02	2.2	<.1	<.05	4
3200E 3000N	.5	36.4	2.2	34	<.1	20.0	16.3	737	2.81	2.8	.4	<.5	.8	61	.1	.2	<.1	99	.77	.062	6	41.6	.71	88	.062	3	1.32	.032	.05	<.1	.04	3.2	<.1	<.05	4
3400E 5450N	.4	31.2	6.5	58	<.1	53.7	16.9	533	3.04	1.5	.3	.8	1.0	63	.1	.1	.1	63	.47	.072	4	53.4	1.15	156	.110	1	3.75	.025	.10	<.1	.01	2.2	<.1	<.05	9
3400E 5400N	.3	16.7	5.9	53	.1	18.5	7.8	402	1.70	1.9	.5	5.9	.8	65	.2	.1	.1	61	.40	.019	9	33.0	.34	79	.102	1	1.55	.048	.05	<.1	<.01	2.3	<.1	<.05	4
3400E 5350N	.6	13.2	9.1	60	.1	11.6	11.6	375	1.35	1.0	.9	<.5	1.5	122	.3	.1	.1	32	.87	.060	17	11.7	.36	108	.009	6	1.54	.020	.09	<.1	.04	2.8	.1	<.05	4
3400E 5300N	1.0	14.0	3.9	121	.1	25.8	8.4	496	1.67	1.7	.2	3.4	.5	45	.3	<.1	.1	44	.41	.137	3	29.3	.41	100	.069	2	1.91	.034	.09	<.1	.02	1.6	<.1	<.05	6
3400E 5250N	1.1	24.7	6.8	63	.1	35.6	15.4	822	2.99	5.1	.9	1.0	1.0	58	.1	.3	.1	80	.61	.061	15	48.0	.77	139	.069	2	2.87	.019	.14	<.1	.02	5.1	.2	<.05	8
3400E 5200N	.6	15.4	5.9	101	.1	25.5	10.8	1178	2.26	3.4	.4	.9	.9	39	.1	.2	.1	54	.36	.173	8	29.6	.48	147	.065	1	2.68	.017	.11	<.1	.02	3.1	.1	<.05	8
3400E 5150N	.8	19.3	5.0	78	.1	33.1	12.0	1043	2.77	3.0	.4	<.5	.8	54	.2	.2	.1	70	.44	.113	6	39.8	.73	145	.091	1	2.73	.018	.15	<.1	.02	3.1	<.1	<.05	8
3400E 5100N	.8	18.8	5.0	78	<.1	33.5	11.8	630	2.78	2.1	.4	1.3	1.1	64	.1	.2	.1	75	.47	.104	5	46.3	.68	152	.116	2	2.70	.021	.22	<.1	.02	3.0	.1	<.05	8
3400E 5050N	.8	17.5	5.0	124	.1	29.8	11.0	835	2.44	2.8	.4	<.5	1.0	55	.2	.1	.1	55	.35	.198	7	31.2	.51	195	.065	1	2.85	.015	.14	<.1	.02	2.8	.1	<.05	8
3400E 5000N	1.5	14.9	4.8	82	<.1	29.9	9.2	875	2.78	3.7	.3	<.5	.9	70	.1	.1	.1	76	.39	.081	3	37.0	.58	153	.094	<1	2.27	.021	.12	<.1	.01	3.0	.1	<.05	7
3400E 4950N	1.0	34.4	6.3	86	.1	65.5	23.8	1874	3.99	4.1	.7	<.5	.9	107	.4	.1	.1	113	.83	.192	16	55.9	1.27	215	.074	1	3.49	.022	.27	<.1	.03	6.3	.1	<.05	9
RE 3400E 4950N	1.2	34.5	6.4	88	.1	67.1	25.5	1878	4.12	4.5	.7	.7	.9	111	.4	.1	.1	119	.93	.205	16	57.4	1.29	220	.081	5	3.79	.025	.29	<.1	.03	6.5	.1	<.05	10
3400E 4900N	.8	25.1	5.0	95	.1	60.0	17.0	959	3.56	2.0	.7	.5	.8	67	.2	.1	.1	103	.73	.127	9	39.0	1.28	137	.125	3	3.09	.029	.28	<.1	.02	4.6	.1	<.05	9
3400E 4850N	.7	26.5	5.5	94	.1	60.7	17.8	979	3.19	2.5	.4	.5	.6	77	.2	.1	.1	75	.71	.173	8	46.5	1.25	163	.084	1	2.73	.027	.16	<.1	.03	3.7	<.1	<.05	7
3400E 4800N	.6	24.3	5.4	105	.1	60.4	17.3	1075	3.10	2.9	.4	.7	1.0	50	.1	.1	.1	86	.42	.163	6	47.5	.93	210	.136	<1	3.60	.020	.13	<.1	.01	3.1	<.1	<.05	10
3400E 4750N	.5	35.1	6.6	113	<.1	105.5	24.6	1593	4.93	2.6	.6	.5	1.3	88	.1	.1	.1	136	.87	.175	13	47.5	1.51	196	.234	1	3.66	.025	.13	.1	.01	5.9	.1	<.05	13
3400E 4700N	.5	16.7	4.3	116	<.1	50.5	10.5	695	2.34	1.1	.2	.8	.8	47	.1	.1	.1	77	.36	.081	4	53.2	.73	105	.149	<1	2.58	.030	.10	<.1	.02	2.3	<.1	<.05	7
3400E 4650N	.5	13.0	4.5	50	.1	20.3	7.0	336	1.81	.6	.3	<.5	.6	47	<.1	.1	.1	54	.31	.035	5	38.6	.45	80	.125	1	1.33	.032	.08	<.1	.02	1.7	<.1	<.05	4
3400E 4600N	.6	13.8	3.8	56	<.1	21.7	7.6	436	1.88	.9	.2	6.4	.5	36	.1	.1	.1	62	.23	.033	4	46.0	.44	71	.139	1	1.37	.039	.08	<.1	.01	1.7	<.1	<.05	4
3400E 4550N	.4	28.8	4.5	64	.1	37.0	11.9	371	2.91	3.4	.6	6.8	1.5	89	<.1	.2	.1	83	.66	.042	10	68.3	.91	103	.130	1	2.16	.055	.09	<.1	.03	7.5	.1	<.05	6
3400E 4500N	.3	14.7	3.9	51	.1	24.0	8.4	310	2.26	1.5	.3	30.9	.5	60	.1	.2	.1	80	.50	.023	8	55.7	.52	72	.140	<1	1.36	.059	.05	<.1	.01	2.6	<.1	<.05	4
3400E 4450N	.4	20.1	4.4	69	.1	30.0	9.4	411	2.43	1.8	.5	31.0	1.4	70	.1	.2	.1	71	.57	.035	15	48.2	.64	95	.136	1	1.79	.046	.07	<.1	.02	4.5	.1	<.05	5
3400E 4400N	.5	28.5	4.7	113	.2	44.3	10.4	1616	2.54	2.7	.5	.8	1.0	70	.3	.2	.1	77	.74	.045	24	62.5	.70	127	.107	1	2.15	.042	.06	<.1	.05	5.0	.1	<.05	5
3400E 4350N	.6	19.8	4.6	84	.1	31.7	10.5	493	2.40	3.2	.3	1.1	1.1	63	.1	.2	.1	62	.43	.219	6	43.2	.51	185	.113	1	2.15	.028	.15	<.1	.02	3.2	<.1	<.05	6
3400E 4300N	.8	15.8	4.7	67	.1	35.2	10.6	368	2.43	1.9	.3	1.5	.8	51	<.1	.2	.1	73	.37	.115	5	52.9	.62	128	.126	2	2.01	.035	.11	<.1	.02	2.6	<.1	<.05	6
3400E 4250N	.3	16.5	5.4	66	.1	21.9	6.0	377	1.70	1.2	.4	.5	.5	53	.1	.2	.1	53	.62	.032	12	37.5	.38	72	.097	2	1.33	.044	.06	<.1	.02	2.4	<.1	<.05	4
3400E 4200N	.6	11.5	4.5	71	.1	25.6	8.3	438	2.10	1.3	.2	2.3	.8	44	.1	.2	.1	62	.32	.046	4	43.1	.45	112	.143	<1	1.72	.038	.11	<.1	.01	2.1	<.1	<.05	5
STANDARD DS3	9.1	124.4	32.9	150	.3	34.3	11.7	806	3.24	30.7	6.3	20.3	3.4	27	6.1	5.2	5.8	74	.50	.092	17	179.1	.58	141	.094	2	1.65	.036	.15	3.5	.22	2.5	1.1	<.05	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
G-1	1.0	2.3	2.4	41	<.1	3.8	4.0	511	1.86	<.5	3.0	<.5	5.4	70	<.1	<.1	.2	39	.53	.094	9	13.2	.57	214	.134	2	.83	.067	.48	2.4	<.01	1.4	.3	<.05	5
3400E 4150N	.5	18.7	4.2	107	.1	27.5	9.3	580	2.61	2.3	.4	2.9	1.2	63	.1	.2	.1	66	.51	.111	8	45.9	.57	158	.119	1	1.88	.038	.15	<.1	.02	3.2	<.1	<.05	6
3400E 4100N	.5	39.9	5.8	74	.1	41.6	10.6	475	2.48	2.9	1.2	<.5	1.4	71	.2	.2	.1	62	.80	.035	19	45.6	.75	126	.096	6	2.06	.060	.06	<.1	.03	5.4	.1	<.05	6
3400E 4050N	.6	34.1	4.5	49	.2	44.2	12.8	648	2.66	4.8	1.7	1.2	.9	121	.1	.4	.1	84	1.34	.072	18	47.4	.86	129	.067	4	1.95	.051	.05	<.1	.06	5.2	.1	<.05	5
3400E 4000N	.5	16.9	5.1	139	.1	28.3	8.6	574	2.34	3.5	.3	.5	1.2	62	.2	.3	.1	56	.42	.168	5	43.3	.47	211	.112	2	2.23	.026	.08	<.1	.03	2.7	<.1	<.05	6
3400E 3950N	.5	22.0	5.0	58	<.1	33.2	11.4	433	3.26	4.4	.5	6.5	1.5	89	<.1	.5	.1	85	.53	.047	10	56.9	.79	158	.142	3	2.15	.035	.14	<.1	.03	5.1	.1	<.05	6
3400E 3900N	.4	12.3	4.4	73	<.1	25.7	6.7	413	1.97	1.9	.2	<.5	.7	55	<.1	.1	.1	50	.40	.046	4	54.2	.44	155	.129	2	1.93	.036	.13	<.1	.01	2.1	<.1	<.05	5
3400E 3850N	.6	25.4	4.5	55	<.1	45.9	12.4	406	3.21	4.0	.5	1.2	1.6	151	.1	.4	.1	86	.82	.097	15	55.6	1.04	214	.127	4	2.06	.067	.17	<.1	.03	5.9	.1	<.05	6
3400E 3800N	.4	28.4	4.7	71	.1	35.9	12.0	583	2.87	3.1	.5	4.8	1.8	111	.2	.3	.1	61	.88	.078	14	54.9	.71	226	.109	6	1.88	.047	.30	<.1	.02	5.5	.1	<.05	6
3400E 3750N	.6	29.6	5.7	57	<.1	33.4	14.0	618	2.97	5.2	.7	.9	1.7	101	.1	.2	.1	72	.92	.091	16	42.5	.89	174	.043	8	1.64	.042	.15	<.1	.04	5.8	.1	<.05	5
3400E 3700N	.4	31.1	4.0	64	.1	34.4	12.2	431	3.49	4.1	.4	4.5	1.8	77	<.1	.3	.1	82	.69	.032	13	54.3	.84	325	.086	6	2.06	.048	.17	<.1	.04	6.7	.1	<.05	6
3400E 3650N	.5	15.4	3.6	69	<.1	21.7	7.0	324	2.51	2.0	.3	.5	1.0	67	.1	.2	.1	64	.48	.030	6	50.2	.51	203	.113	3	1.42	.048	.20	<.1	.01	3.8	.1	<.05	4
3400E 3600N	.5	14.1	3.6	118	<.1	20.2	5.7	543	2.05	2.4	.2	.8	.8	41	.1	.2	.1	57	.29	.050	4	46.6	.41	184	.131	2	1.56	.038	.17	<.1	.01	2.2	.1	<.05	5
3400E 3550N	.6	11.6	3.6	121	<.1	20.1	5.9	754	1.85	1.1	.2	.8	.8	51	.1	.1	.1	47	.32	.041	4	42.2	.35	181	.117	2	1.46	.036	.16	<.1	.01	2.3	<.1	<.05	4
3400E 3500N	.6	17.1	5.0	105	<.1	28.0	8.6	925	2.57	2.1	.3	.9	1.1	60	.2	.2	.1	68	.44	.046	6	54.3	.51	216	.126	2	2.11	.039	.14	<.1	.02	3.5	.1	<.05	6
3400E 3450N	.4	14.4	4.3	82	<.1	22.0	7.2	517	2.18	1.3	.2	7.3	.8	52	.1	.2	.1	63	.44	.024	4	53.3	.42	100	.138	2	1.47	.040	.17	<.1	.02	2.6	.1	<.05	4
3400E 3400N	.5	14.6	3.7	76	<.1	23.3	7.8	397	2.49	1.4	.3	<.5	1.1	56	.1	.2	.1	67	.43	.029	5	51.3	.48	118	.127	2	1.90	.040	.11	<.1	.01	3.2	.1	<.05	5
3400E 3350N	.5	11.3	3.7	65	<.1	21.3	6.5	367	2.09	2.6	.2	<.5	.8	54	.1	.2	.1	54	.38	.041	5	45.1	.39	127	.122	2	1.64	.042	.14	<.1	.01	2.4	.1	<.05	5
3400E 3300N	.8	16.7	4.4	91	.1	22.1	8.7	702	2.47	2.9	.3	3.8	1.2	61	.1	.4	.1	63	.35	.061	6	41.6	.49	162	.116	2	1.63	.034	.12	<.1	.02	3.2	<.1	<.05	4
3400E 3250N	.8	11.6	5.1	92	.1	17.1	6.5	974	1.78	1.8	.2	2.2	.7	49	.2	.3	.1	44	.35	.072	4	29.7	.40	150	.101	2	1.42	.025	.11	<.1	.03	2.0	<.1	<.05	4
RE 3400E 3250N	.8	12.2	5.0	94	.1	18.1	6.7	991	1.80	1.8	.2	<.5	.8	50	.2	.3	.1	43	.39	.070	4	29.8	.38	158	.099	2	1.46	.023	.11	<.1	.02	2.2	<.1	<.05	4
3400E 3200N	.8	17.5	4.6	92	<.1	26.9	11.4	583	2.70	3.6	.3	.5	1.0	64	.1	.3	.1	65	.43	.110	5	41.7	.58	174	.092	1	2.04	.032	.10	<.1	.03	3.2	<.1	<.05	5
3400E 3150N	.6	22.2	4.2	71	<.1	29.2	11.0	612	2.92	4.3	.3	2.4	1.2	77	.1	.4	.1	76	.47	.061	8	47.4	.67	171	.106	3	2.01	.035	.13	<.1	.03	4.3	.1	<.05	6
3400E 3100N	.4	22.9	5.4	87	.1	20.7	9.1	875	1.93	3.6	.2	3.4	1.1	28	.2	.2	.1	49	.23	.176	3	27.3	.45	157	.102	1	2.08	.019	.08	<.1	.04	1.6	.1	<.05	6
3400E 3050N-A	.4	28.7	3.4	70	<.1	28.2	11.8	629	2.51	2.0	.2	1.1	1.1	45	.1	.1	.1	66	.35	.048	4	36.6	.60	115	.126	2	2.25	.030	.11	<.1	.03	2.1	<.1	<.05	6
3400E 3050N-B	.4	14.0	4.6	99	.1	15.7	8.2	1019	1.70	2.3	.2	22.6	.7	37	.1	.1	.1	43	.29	.110	3	24.7	.33	136	.099	1	1.60	.030	.08	<.1	.03	1.5	<.1	<.05	5
3400E 3000N	.4	38.8	3.0	51	.1	30.4	12.7	343	2.81	4.0	.3	.8	1.3	67	.1	.2	.1	70	.44	.146	5	40.3	.73	112	.108	1	2.30	.039	.13	.1	.02	3.0	<.1	<.05	6
3400E 2950N	.4	40.3	2.8	42	<.1	31.4	17.9	529	3.17	2.7	.4	.6	1.3	64	.1	.2	<.1	92	.83	.101	7	45.6	1.09	74	.083	2	1.59	.057	.09	<.1	.06	3.9	<.1	<.05	4
3600E 5400N	.6	19.6	5.1	80	.1	44.1	13.5	678	3.01	4.0	.4	1.0	1.0	64	.2	.3	.1	62	.52	.128	6	55.2	.80	163	.134	2	3.52	.024	.12	<.1	.03	3.1	.1	<.05	9
3600E 5350N	.5	15.9	5.0	87	.1	40.8	12.0	346	2.72	3.4	.3	1.5	.8	51	.2	.2	.1	58	.39	.130	5	48.5	.70	115	.127	1	3.05	.027	.09	<.1	.02	2.2	<.1	<.05	9
3600E 5300N	.6	17.8	5.5	71	.1	42.1	13.1	382	2.80	2.0	.3	.8	1.0	40	.1	.2	.1	63	.28	.111	4	48.8	.66	126	.140	1	3.61	.024	.12	<.1	.02	2.1	<.1	<.05	9
3600E 5250N	.5	26.7	4.9	77	.1	54.9	14.6	270	3.31	3.7	.4	9.1	1.2	50	.2	.3	.1	64	.34	.167	5	56.7	.92	153	.093	<1	3.68	.022	.07	<.1	.03	2.9	<.1	<.05	9
3600E 5200N	.5	28.9	4.3	48	.3	45.1	12.4	322	2.57	4.2	.5	1.6	.6	105	.3	.3	.1	75	1.10	.077	11	49.6	.93	113	.079	1	3.15	.042	.05	<.1	.05	4.0	<.1	<.05	7
3600E 5150N	.3	15.9	5.0	54	<.1	28.2	10.3	245	2.65	1.8	.4	.8	1.0	83	.1	.1	.1	60	.53	.091	6	36.6	.61	104	.078	2	2.58	.031	.11	<.1	.02	3.1	<.1	<.05	7
STANDARD DS3	8.6	118.6	32.9	153	.3	33.9	12.1	799	3.28	29.3	6.3	20.0	4.0	30	5.9	5.5	5.8	75	.57	.089	18	183.4	.62	141	.103	2	1.70	.036	.16	3.8	.23	2.7	1.1	<.05	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
G-1	1.2	2.1	2.1	41	<.1	4.3	3.9	518	1.78	<.5	2.8	<.5	5.4	63	<.1	<.1	.2	39	.48	.097	7	12.2	.57	219	.118	2	.82	.068	.45	2.3	<.01	1.3	.3	<.05	5
3600E 5100N	.5	15.7	4.6	108	.1	32.1	8.8	450	2.15	2.1	.3	3.1	.7	37	.1	.2	.1	54	.25	.153	4	44.3	.45	129	.083	1	2.52	.023	.08	<.1	.02	2.0	<.1	<.05	7
3600E 5050N	.6	21.7	5.1	51	<.1	43.0	12.4	473	2.91	2.4	.4	.7	1.2	60	.1	.2	.1	76	.37	.049	7	65.1	.84	127	.092	2	3.42	.021	.13	<.1	.01	3.0	<.1	<.05	8
3600E 5000N	.4	53.1	9.0	71	.1	84.7	17.9	875	2.86	1.4	.3	<.5	.8	65	.3	.1	.1	75	.46	.088	9	227.1	1.52	107	.127	2	2.67	.031	.05	<.1	.01	4.3	<.1	<.05	7
3600E 4950N	.3	26.7	5.0	59	<.1	44.9	8.4	251	1.70	<.5	.2	<.5	.6	52	.1	<.1	.2	46	.33	.043	3	118.2	.78	88	.086	1	1.93	.035	.06	<.1	.01	1.8	<.1	<.05	5
3600E 4900N	.3	24.4	6.4	60	<.1	48.6	9.7	368	2.24	.7	.3	<.5	.6	71	.1	.1	.1	70	.37	.043	4	131.1	.81	117	.131	1	2.37	.034	.09	<.1	.01	2.0	<.1	<.05	6
3600E 4850N	.6	17.4	6.1	74	<.1	38.1	8.3	390	1.94	.5	.2	.7	.8	55	.1	.1	.1	55	.34	.035	4	92.7	.61	89	.097	2	1.92	.025	.11	<.1	.03	1.9	<.1	<.05	5
3600E 4800N	.6	13.6	4.3	55	<.1	26.3	7.3	332	2.03	1.0	.2	4.5	.6	61	.1	.2	.1	56	.35	.036	3	57.1	.50	132	.129	1	1.64	.031	.08	<.1	.02	2.0	<.1	<.05	4
3600E 4750N	.5	17.7	4.1	51	<.1	35.7	9.6	354	2.28	.9	.3	<.5	.6	59	.1	.1	.1	55	.40	.054	4	40.4	.72	97	.153	1	2.18	.040	.10	<.1	.01	2.2	<.1	<.05	5
3600E 4700N	.6	13.4	4.4	72	.1	21.5	8.0	585	2.06	1.2	.2	.9	.6	49	.2	.2	.1	57	.31	.058	4	38.4	.43	133	.124	1	1.43	.023	.13	<.1	.02	2.0	<.1	<.05	5
3600E 4650N	.4	30.0	5.4	58	.2	36.3	12.1	409	2.67	3.1	1.8	.8	1.1	89	.1	.4	.1	78	.69	.030	17	54.5	.69	123	.152	<1	2.05	.044	.06	.1	.03	4.9	<.1	<.05	6
3600E 4600N	.5	11.8	4.0	53	<.1	21.4	6.7	273	2.28	1.4	.3	.9	.8	62	.1	.3	.1	62	.24	.038	3	44.5	.39	107	.153	<1	1.54	.033	.09	<.1	.03	2.1	<.1	<.05	4
3600E 4550N	.5	43.4	4.7	60	.1	83.1	20.2	545	3.70	3.8	.6	<.5	1.6	98	.1	.3	.1	95	.76	.085	13	120.1	1.72	133	.140	1	2.90	.059	.12	<.1	.03	5.7	.1	<.05	7
3600E 4500N	.7	30.9	5.0	66	.1	50.0	16.1	706	3.44	4.8	.7	.9	1.4	107	.1	.4	.1	85	.93	.095	13	56.8	1.18	130	.119	1	2.52	.040	.14	<.1	.04	6.2	.1	<.05	7
3600E 4450N	.3	12.5	4.7	101	.1	13.8	7.7	251	1.86	1.3	.2	<.5	.6	36	.1	.2	.1	38	.32	.155	5	28.3	.30	110	.088	<1	1.68	.020	.09	<.1	.02	2.0	<.1	<.05	5
RE 3600E 4450N	.3	12.5	4.8	102	.1	15.0	7.7	234	1.89	1.4	.2	<.5	.6	38	.1	.2	.1	40	.32	.154	5	29.7	.29	112	.089	1	1.75	.021	.09	<.1	.02	2.1	<.1	<.05	5
3600E 4400N	.7	17.0	4.9	89	.1	29.3	9.4	436	2.47	2.5	.4	<.5	.9	54	.1	.3	.1	63	.35	.113	5	41.5	.52	163	.142	1	2.44	.028	.10	<.1	.02	2.4	<.1	<.05	6
3600E 4350N	.5	23.8	5.1	76	.1	40.2	15.1	688	3.11	4.4	.8	.8	1.4	109	.1	.4	.1	76	.83	.046	11	56.2	.96	144	.139	2	2.34	.058	.08	<.1	.04	5.4	.1	<.05	6
3600E 4300N	.5	29.7	4.1	53	.1	46.6	13.1	387	3.62	6.3	.8	3.8	2.0	113	<.1	.5	.1	95	.71	.058	11	61.8	1.15	132	.141	1	2.48	.046	.09	.1	.05	7.4	.1	<.05	6
3600E 4250N	.7	22.2	4.4	63	.1	36.6	11.6	518	2.99	4.6	.5	11.5	1.2	77	.1	.4	.1	74	.54	.082	10	48.2	.79	130	.108	1	2.05	.036	.10	<.1	.09	4.5	<.1	<.05	5
3600E 4200N	.9	38.3	5.7	56	.2	47.0	13.1	862	2.80	5.1	1.0	1.8	.8	137	.4	.3	.1	71	1.82	.103	15	48.8	.93	129	.052	4	2.97	.025	.13	.1	.08	5.5	.1	.07	7
3600E 4150N	.6	40.7	4.9	63	.2	50.4	14.7	763	3.33	5.2	1.2	.5	1.2	125	.2	.4	.1	78	1.43	.061	22	53.3	1.05	133	.069	3	2.80	.038	.08	<.1	.05	7.9	.1	<.05	6
3600E 4100N	.5	61.4	4.2	58	.4	73.2	15.2	1307	3.18	6.6	2.3	.6	1.0	141	.4	.4	.1	73	1.65	.081	18	60.0	1.21	258	.037	6	3.45	.033	.07	<.1	.07	7.6	.1	<.05	8
3600E 4050N	.7	59.8	4.8	64	.2	51.4	10.7	407	2.50	4.1	2.1	<.5	.6	158	.6	.3	.1	63	1.92	.078	13	39.1	.90	161	.058	9	2.14	.038	.07	<.1	.08	4.2	.1	.06	6
3600E 4000N	.7	39.1	4.1	59	.1	44.2	15.0	476	3.84	8.5	.5	1.7	1.8	86	<.1	.3	.1	88	.72	.063	16	54.9	.93	97	.034	3	1.99	.051	.09	<.1	.03	7.7	.1	<.05	5
3600E 3950N	.7	27.2	4.0	57	.1	37.0	12.1	527	3.14	3.3	.4	1.3	1.2	58	.1	.4	.1	83	.46	.067	8	56.3	.81	109	.104	1	1.82	.035	.11	<.1	.03	4.1	<.1	<.05	5
3600E 3900N	.8	22.2	3.4	85	.1	44.9	10.5	691	2.71	3.3	.3	1.3	1.0	58	.1	.2	.1	66	.39	.156	7	40.5	.53	214	.063	2	2.06	.025	.10	<.1	.03	4.2	<.1	<.05	6
3600E 3850N	.6	18.3	4.9	62	.1	28.7	9.1	459	2.47	2.8	.3	.5	.6	64	.1	.2	.1	67	.48	.088	6	38.6	.56	149	.080	1	2.15	.024	.08	<.1	.02	2.2	<.1	<.05	6
3600E 3800N	.5	23.8	2.9	76	.1	43.7	16.7	476	3.97	2.0	.4	<.5	1.0	84	<.1	.1	<.1	114	.70	.073	15	47.4	1.25	231	.086	2	2.31	.058	.11	<.1	.02	7.5	<.1	<.05	6
3600E 3750N	.4	13.4	3.6	70	<.1	18.7	6.8	233	2.57	2.2	.2	<.5	.8	49	.1	.1	.1	71	.39	.048	4	29.0	.33	176	.049	1	1.50	.022	.12	<.1	.01	3.0	<.1	<.05	5
3600E 3700N	.4	13.4	4.4	67	<.1	14.6	6.8	281	2.93	3.7	.3	<.5	.9	68	.1	.1	.1	52	.47	.073	10	17.1	.23	354	.006	<1	1.64	.028	.12	<.1	.02	4.3	<.1	<.05	4
3600E 3650N	.3	46.8	5.5	79	.3	41.5	9.4	609	2.95	2.2	.9	<.5	1.2	84	.5	.2	.1	48	1.33	.058	27	45.6	.89	296	.045	4	3.54	.034	.08	<.1	.05	6.9	.1	<.05	7
3600E 3600N	.3	5.9	4.1	66	<.1	8.8	3.2	366	1.43	.9	.2	23.1	.4	31	.1	.2	.1	36	.22	.023	3	18.3	.16	172	.087	1	1.01	.021	.07	<.1	.01	1.3	<.1	<.05	3
3600E 3550N	.4	12.8	3.7	71	<.1	14.5	5.4	419	1.95	1.0	.3	<.5	.9	32	.1	.1	.1	56	.35	.022	7	32.3	.32	253	.079	<1	1.19	.026	.18	<.1	.01	2.8	.1	<.05	4
STANDARD DS3	8.9	125.3	33.3	157	.3	35.3	11.2	805	3.21	29.4	6.5	22.0	3.7	27	5.8	5.3	5.7	70	.52	.094	17	174.6	.63	139	.090	1	1.78	.036	.16	3.9	.22	2.6	1.2	<.05	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
G-1	1.2	2.0	2.1	44	<.1	4.4	3.7	519	1.83	<.5	2.9	.6	5.4	63	<.1	<.1	.2	38	.49	.099	7	12.9	.57	238	.122	2	.86	.070	.46	2.4	<.01	1.4	.4	<.05	5
3600E 3500N	.9	13.1	6.2	85	<.1	9.5	6.3	1615	2.02	3.4	.2	2.2	.7	38	.2	.2	.1	53	.58	.035	6	18.5	.22	366	.028	5	.75	.015	.13	<.1	.03	2.4	<.1	<.05	3
3600E 3450N	.7	14.6	5.0	105	<.1	10.3	5.2	702	2.48	3.3	.2	1.0	1.3	38	.2	.2	.1	63	.34	.038	10	21.7	.15	429	.038	3	.87	.016	.14	<.1	.01	3.6	.1	<.05	3
3600E 3400N	.9	20.1	5.0	68	<.1	13.7	7.2	564	3.12	3.9	.4	.8	1.5	70	.2	.2	.1	82	.45	.028	13	24.5	.20	541	.031	4	1.10	.017	.21	<.1	.02	5.2	.1	<.05	3
3600E 3350N	1.6	24.3	4.7	87	.1	22.4	9.3	736	3.39	5.3	.8	<.5	1.8	70	.1	.4	.1	71	.49	.037	13	27.4	.24	516	.026	5	1.57	.025	.11	<.1	.02	6.8	.1	<.05	4
3600E 3300N	1.3	22.5	5.0	116	<.1	22.6	9.7	971	2.95	3.9	.6	<.5	1.3	71	.2	.3	.1	63	.71	.050	13	27.2	.23	422	.025	4	1.38	.028	.15	<.1	.03	6.2	.1	<.05	4
3600E 3250N	.8	25.6	3.8	59	<.1	22.0	10.6	679	2.87	3.9	.5	<.5	1.7	69	.1	.2	<.1	59	.87	.042	14	25.8	.32	430	.003	10	1.19	.019	.16	<.1	.03	7.7	.1	<.05	3
3600E 3200N	.7	18.3	3.6	89	<.1	16.5	6.6	542	2.39	3.1	.3	.5	1.1	48	.1	.2	.1	60	.44	.055	8	28.8	.27	271	.071	3	1.27	.028	.19	<.1	.02	3.5	.1	<.05	4
3600E 3150N	.3	11.5	3.3	74	<.1	16.0	4.9	307	1.93	1.5	.2	.7	.9	34	.1	.1	.1	50	.24	.042	5	29.7	.30	184	.089	1	1.45	.026	.13	<.1	.01	2.1	.1	<.05	4
3600E 3100N	1.1	18.7	3.4	76	<.1	11.1	6.9	463	2.81	5.2	.3	<.5	1.3	52	.1	.2	.1	70	.29	.061	7	22.3	.20	359	.014	5	.93	.022	.10	<.1	.01	4.4	<.1	<.05	3
3600E 3050N	1.0	22.7	3.5	97	<.1	11.7	8.0	612	3.14	5.3	.3	<.5	1.0	49	.1	.2	.1	71	.33	.089	8	22.3	.22	255	.010	5	1.01	.017	.14	<.1	.01	4.2	<.1	<.05	4
3600E 3000N	.4	12.3	4.2	93	<.1	16.5	6.2	492	1.46	1.5	.2	<.5	1.0	29	.1	.1	.1	34	.20	.110	3	17.3	.25	168	.068	1	1.65	.016	.10	<.1	.01	1.6	<.1	<.05	4
3600E 2950N	.4	51.9	2.8	55	.1	42.6	17.6	567	3.43	4.2	.5	6.3	2.3	102	.1	.2	<.1	87	.71	.110	12	43.4	1.25	124	.126	1	2.42	.063	.12	<.1	.05	3.9	.1	<.05	6
3600E 2900N	.4	36.2	3.3	48	<.1	32.1	13.3	330	3.22	3.3	.5	<.5	1.7	64	.1	.2	.1	87	.43	.077	5	45.4	.80	119	.126	<1	2.72	.026	.11	.1	.02	3.4	.1	<.05	6
3800E 5400N	.9	14.0	6.6	106	.1	24.8	9.4	636	2.62	4.5	.4	2.1	1.4	69	.3	.4	.1	56	.34	.110	7	29.5	.53	193	.056	1	2.76	.015	.11	<.1	.04	2.6	.1	<.05	7
3800E 5350N	.5	17.2	5.8	83	.1	26.1	10.5	252	2.96	7.0	.5	4.5	1.5	113	.1	.5	.1	65	.46	.161	7	33.9	.70	271	.101	1	2.87	.023	.16	<.1	.10	3.3	<.1	<.05	7
3800E 5300N	.6	18.4	5.5	81	.1	32.2	10.8	309	2.87	7.1	.4	1.0	1.0	67	.2	.5	.1	64	.44	.175	6	34.4	.73	160	.093	<1	2.97	.017	.12	<.1	.06	2.6	<.1	<.05	8
3800E 5250N	.6	20.1	6.2	73	<.1	51.6	15.7	689	3.57	4.0	.4	2.3	1.4	53	.1	.2	.1	74	.39	.100	6	50.2	.91	157	.107	<1	3.82	.021	.13	<.1	.14	3.5	.1	<.05	10
RE 3800E 5250N	.6	20.9	6.5	75	<.1	56.6	15.3	705	3.78	6.1	.4	<.5	1.3	54	.1	.2	.1	75	.43	.100	6	51.7	.94	164	.112	<1	4.04	.020	.13	<.1	.03	3.8	.1	<.05	10
3800E 5200N	.6	16.3	5.6	63	.1	29.8	11.3	417	2.88	3.2	.4	2.7	.9	53	.1	.3	.1	66	.39	.072	6	38.6	.80	159	.136	<1	2.79	.024	.08	<.1	.02	2.6	<.1	<.05	7
3800E 5150N	.5	26.3	4.4	96	.1	70.7	19.2	672	3.86	2.8	.3	<.5	1.4	23	<.1	.1	.1	64	.18	.131	7	54.4	1.52	116	.126	1	4.53	.025	.05	<.1	.04	4.7	<.1	<.05	12
3800E 5100N	.6	21.0	4.7	56	.1	40.2	15.2	586	2.92	3.7	.6	5.7	1.0	67	.2	.3	.1	77	.63	.034	11	46.5	1.07	121	.130	1	2.52	.037	.06	<.1	.04	4.2	<.1	<.05	7
3800E 5050N	.5	18.0	3.7	55	.1	40.9	14.9	532	2.86	2.6	.4	1.0	.8	61	.1	.2	.1	68	.46	.074	7	47.5	.89	126	.125	1	2.61	.028	.08	<.1	.05	3.0	<.1	<.05	7
3800E 5000N	.6	24.4	5.0	77	.1	50.3	17.6	660	3.76	4.3	.5	<.5	1.5	59	.1	.3	.1	80	.41	.153	7	60.9	1.10	197	.129	<1	4.95	.021	.10	<.1	.03	4.1	.1	<.05	10
3800E 4950N	.5	22.0	4.5	82	.1	44.0	13.2	903	3.11	3.1	.3	.5	.8	42	.1	.1	.1	71	.39	.114	4	76.5	.93	127	.088	<1	3.96	.025	.06	<.1	.02	2.9	<.1	<.05	10
3800E 4900N	.5	21.0	5.6	81	<.1	40.0	13.9	1229	2.97	2.8	.3	.5	1.0	43	.2	.2	.1	60	.39	.115	4	57.9	.88	169	.109	<1	4.16	.020	.06	.1	.02	2.7	.1	<.05	10
3800E 4850N	.4	17.8	4.1	59	.1	32.1	12.8	391	2.23	1.5	.3	.9	.5	47	.2	.1	.1	55	.54	.096	4	86.4	.91	83	.076	1	2.53	.024	.04	.1	.03	2.4	<.1	<.05	8
3800E 4800N	.4	22.3	4.6	59	.1	47.1	12.5	481	2.98	2.1	.3	.7	1.0	61	.1	.2	.1	71	.46	.057	4	78.5	.99	143	.114	<1	3.87	.027	.09	<.1	.03	2.9	<.1	<.05	9
3800E 4750N	.4	23.9	3.2	68	.1	45.6	11.6	465	2.74	2.0	.3	.5	1.0	95	.3	.1	.1	61	.71	.109	5	69.7	.88	153	.098	2	3.61	.033	.12	.1	.01	3.6	<.1	<.05	8
3800E 4700N	.5	16.3	5.0	71	.1	31.3	10.3	481	2.46	1.5	.3	1.1	.9	49	.1	.2	.1	64	.36	.117	4	51.8	.56	144	.128	<1	2.53	.020	.09	<.1	.03	2.5	<.1	<.05	7
3800E 4650N	.4	15.5	5.3	82	<.1	26.6	8.2	448	2.26	1.4	.3	.9	.7	60	.1	.2	.1	63	.31	.073	4	44.6	.54	149	.134	<1	2.11	.034	.08	<.1	.02	1.9	<.1	<.05	5
3800E 4600N	.4	37.0	5.6	56	.2	44.6	12.1	754	2.76	3.2	.9	<.5	.8	108	.2	.3	.1	63	1.13	.058	27	56.1	.94	128	.078	<1	3.20	.032	.10	<.1	.05	6.1	.1	.08	7
3800E 4550N	.4	19.6	7.5	59	.1	22.2	7.3	320	1.87	2.5	.6	3.4	.6	95	.1	.2	.1	49	1.34	.049	12	37.5	.60	98	.079	3	1.71	.048	.07	<.1	.06	2.8	<.1	<.05	4
3800E 4500N	.4	15.8	5.9	58	.1	27.0	9.9	540	2.21	1.4	.3	.8	1.0	78	.1	.2	.1	60	.51	.056	5	47.0	.59	120	.119	<1	1.83	.034	.12	<.1	.05	2.5	<.1	<.05	4
STANDARD DS3	9.0	128.6	32.6	152	.3	35.2	11.8	811	3.13	29.9	6.5	20.4	3.9	26	5.6	5.4	5.6	69	.51	.090	16	178.2	.64	144	.087	1	1.78	.036	.16	3.9	.23	2.5	1.2	<.05	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
G-1	1.1	1.9	2.0	40	<.1	3.9	3.6	502	1.67	<.5	2.6	.6	5.1	62	<.1	<.1	.2	36	.51	.090	8	11.0	.48	208	.121	1	.82	.066	.44	2.3	.01	1.2	.3	<.05	5
3800E 4450N	1.0	23.8	5.1	59	<.1	37.1	13.2	541	2.80	3.3	.4	2.0	1.2	91	.1	.3	.1	72	.81	.055	14	57.6	.89	111	.097	2	1.90	.056	.09	<.1	.05	4.6	.1	<.05	5
3800E 4400N	.6	15.3	3.8	77	<.1	25.2	9.8	596	2.35	2.0	.3	.9	.9	59	.2	.2	.1	66	.50	.085	6	45.1	.52	149	.110	1	1.94	.052	.09	<.1	.02	3.3	<.1	<.05	5
3800E 4350N	.8	37.7	4.1	59	<.1	67.6	23.0	995	4.11	10.3	.4	1.3	1.9	79	.1	.7	.1	105	1.00	.092	16	74.4	1.49	151	.070	3	2.37	.067	.08	<.1	.04	7.5	.1	<.05	7
3800E 4300N	.6	12.6	3.9	47	<.1	20.8	7.3	278	2.21	1.8	.3	2.4	.9	59	<.1	.4	.1	65	.36	.032	4	42.1	.40	119	.150	1	1.55	.038	.07	<.1	.04	2.3	<.1	<.05	5
3800E 4250N	.8	15.3	4.2	53	<.1	23.5	7.9	402	2.15	3.3	.2	1.0	.8	54	.1	.3	.1	63	.40	.061	4	42.8	.39	104	.099	2	1.66	.038	.10	<.1	.02	2.6	<.1	<.05	5
3800E 4200N	.5	28.6	4.4	65	.1	40.7	13.2	429	3.20	5.3	.4	2.8	1.6	71	.1	.4	.1	90	.56	.061	10	56.4	.87	125	.120	2	2.38	.041	.10	<.1	.02	5.3	.1	<.05	7
3800E 4150N	.4	12.3	3.8	75	<.1	18.8	8.1	307	1.93	2.1	.3	<.5	1.0	36	<.1	.1	.1	52	.25	.064	7	32.5	.33	123	.073	1	2.19	.025	.10	<.1	.01	2.5	.1	<.05	6
3800E 4100N	.7	31.6	3.3	63	<.1	32.7	10.8	384	3.65	6.9	.4	.9	1.7	59	.1	.2	.1	95	.52	.069	12	56.0	.67	118	.058	3	2.32	.028	.09	<.1	.03	6.4	.1	<.05	6
3800E 4050N	.5	15.6	4.6	75	.1	31.6	9.6	454	2.18	1.8	.3	.9	.9	54	.1	.2	.1	58	.39	.074	9	43.6	.46	111	.101	2	2.18	.031	.08	<.1	.02	2.4	<.1	<.05	6
3800E 4000N	.6	14.8	3.3	83	<.1	32.8	10.5	359	2.49	1.8	.2	<.5	.8	35	<.1	.2	.1	75	.27	.069	3	50.6	.49	97	.111	1	2.28	.034	.07	<.1	.01	2.3	<.1	<.05	6
3800E 3950N	.5	15.6	4.3	68	<.1	33.4	9.5	266	2.37	1.6	.3	1.7	.8	37	<.1	.2	.1	60	.29	.084	5	44.6	.42	94	.116	1	2.36	.029	.07	<.1	.02	2.3	<.1	<.05	7
3800E 3900N	.6	12.1	3.6	60	<.1	21.0	6.9	327	1.99	1.8	.2	.6	.6	43	<.1	.3	.1	66	.29	.048	3	41.5	.37	79	.123	1	1.71	.036	.06	<.1	.02	1.9	<.1	<.05	5
3800E 3850N	.6	16.8	4.1	60	<.1	28.5	10.6	359	2.46	2.8	.3	.6	.9	45	.1	.3	.1	73	.33	.089	4	49.1	.51	117	.102	1	1.87	.029	.08	<.1	.02	2.4	<.1	<.05	5
3800E 3800N	.6	46.6	4.1	63	.1	63.2	14.7	738	3.20	1.6	1.3	<.5	1.3	133	.3	.2	.1	57	1.42	.085	48	72.8	1.16	167	.036	3	4.39	.027	.09	<.1	.05	8.4	.1	<.05	10
3800E 3750N	1.2	17.5	4.2	99	<.1	64.3	14.7	740	3.17	2.6	.3	.6	1.0	53	.2	.1	.1	78	.52	.094	4	54.2	1.37	183	.075	2	3.29	.030	.09	<.1	.02	3.9	.1	<.05	10
3800E 3700N	.4	10.8	3.7	83	<.1	19.3	5.8	383	1.99	1.7	.2	<.5	.7	36	.1	.1	.1	56	.34	.050	4	31.6	.25	195	.065	2	1.63	.029	.09	<.1	.01	2.3	<.1	<.05	5
3800E 3650N	.6	18.4	4.7	108	.1	29.2	9.9	625	2.43	2.3	.4	1.0	1.3	54	.2	.1	.1	60	.32	.205	6	32.5	.46	237	.076	1	2.71	.034	.12	<.1	.01	3.4	<.1	<.05	8
3800E 3600N	1.0	30.4	4.8	81	<.1	44.7	17.9	720	4.67	5.2	.7	<.5	2.2	123	.2	<.1	.1	132	.81	.067	17	63.3	1.48	344	.054	2	2.92	.079	.18	<.1	.01	8.9	.1	<.05	10
3800E 3550N	.5	14.0	4.0	71	<.1	17.5	6.5	390	2.33	2.1	.4	<.5	1.4	56	.1	.1	.1	57	.49	.044	13	24.7	.30	330	.044	2	1.41	.044	.20	<.1	.01	4.0	.1	<.05	4
RE 3800E 3550N	.4	15.0	4.1	72	<.1	16.5	6.3	372	2.36	2.3	.4	<.5	1.5	56	.1	.1	.1	55	.51	.047	13	24.6	.30	330	.045	3	1.47	.048	.21	<.1	.01	3.9	<.1	<.05	5
3800E 3500N	.6	17.6	4.1	169	<.1	20.1	6.5	743	2.05	2.1	.3	.5	1.0	39	.3	.1	.1	52	.47	.037	6	26.4	.31	292	.062	5	1.49	.028	.21	<.1	.01	3.2	<.1	<.05	5
3800E 3450N	.6	20.7	6.6	105	<.1	15.9	8.7	1056	2.33	3.0	.4	<.5	1.4	54	.2	.2	.1	64	.78	.031	13	23.4	.26	450	.026	8	1.38	.019	.23	<.1	.02	4.9	.1	<.05	4
3800E 3400N	.9	20.5	5.2	97	<.1	12.7	6.4	508	2.82	6.9	.3	<.5	1.2	39	.1	.2	.1	76	.51	.051	11	22.4	.19	402	.033	2	1.12	.012	.15	<.1	.01	4.8	.1	<.05	4
3800E 3350N	1.4	28.4	6.0	82	<.1	20.3	10.8	670	3.57	9.0	.6	.6	2.0	47	.1	.3	.1	88	.55	.052	14	34.6	.29	347	.022	5	1.74	.019	.20	<.1	.02	8.2	.1	<.05	6
3800E 3300N	.7	12.7	4.4	75	<.1	7.8	5.0	433	2.04	5.0	.4	.8	2.2	30	.1	.2	.1	50	.35	.045	9	16.5	.15	257	.022	4	1.09	.015	.15	<.1	.01	3.6	.1	<.05	4
3800E 3250N	.7	20.1	4.4	68	<.1	27.1	10.7	414	3.28	7.7	.4	<.5	2.2	138	.1	.1	.1	79	.58	.057	15	31.8	.50	550	.013	1	2.33	.037	.17	<.1	.01	4.3	.1	<.05	7
3800E 3200N	.4	12.4	2.9	106	<.1	20.7	7.5	499	2.27	2.7	.2	<.5	.9	39	<.1	.1	.1	52	.43	.031	4	31.0	.51	231	.033	<1	1.98	.029	.18	<.1	.01	2.5	<.1	<.05	7
3800E 3150N	.6	10.3	3.0	74	<.1	15.4	5.8	387	2.06	2.1	.2	<.5	.7	39	<.1	.1	.1	55	.34	.031	4	26.9	.32	197	.054	1	1.60	.027	.12	<.1	.01	2.4	<.1	<.05	5
3800E 3100N	.5	9.6	3.2	99	<.1	11.6	4.0	515	1.55	1.5	.2	3.1	.6	39	.2	.1	.1	45	.28	.068	4	20.6	.20	190	.083	2	1.08	.027	.10	<.1	.01	1.7	<.1	<.05	4
3800E 3050N	.7	14.9	4.0	104	.1	19.4	6.8	390	1.93	2.8	.4	<.5	1.1	38	.1	.1	.1	48	.28	.115	5	23.9	.31	258	.060	2	2.07	.024	.15	<.1	.01	2.6	<.1	<.05	6
3800E 3000N	1.0	18.8	5.1	75	.1	21.9	7.5	199	2.45	5.2	.4	<.5	2.0	47	.1	.1	.1	59	.30	.065	7	29.4	.29	211	.045	1	1.65	.020	.14	<.1	.01	3.0	<.1	<.05	5
3800E 2950N	1.0	31.9	4.4	103	.1	40.7	10.4	266	3.25	6.9	.7	<.5	2.5	73	.1	.2	.1	78	.48	.088	16	47.8	.78	249	.037	4	2.40	.022	.16	<.1	.01	7.4	.1	<.05	7
3800E 2900N	.5	18.2	6.5	108	<.1	20.3	9.1	2342	1.78	2.9	.2	<.5	.9	40	.3	.1	.1	53	.45	.144	4	22.6	.38	190	.087	1	1.95	.017	.09	<.1	.06	1.3	.1	<.05	6
STANDARD DS3	9.3	119.7	32.6	160	.2	36.3	12.0	793	3.23	29.8	6.2	19.9	4.1	29	6.0	5.4	5.5	75	.55	.088	18	169.9	.61	146	.096	3	1.83	.036	.16	3.5	.21	2.4	1.2	<.05	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
G-1	1.0	2.2	2.3	41	<.1	3.8	3.7	497	1.69	<.5	2.9	.8	5.5	66	<.1	<.1	.2	38	.58	.100	7	11.6	.58	219	.119	2	.83	.068	.45	2.4	<.01	1.3	.3	<.05	4
3800E 2850N	.4	13.0	3.7	61	<.1	17.4	7.3	352	2.14	1.8	.2	<.5	1.0	38	.1	.2	.1	57	.28	.044	3	29.9	.37	111	.114	1	1.47	.026	.14	<.1	.02	1.9	<.1	<.05	4
3800E 2800N	.7	20.1	3.6	43	<.1	25.9	10.8	389	2.52	2.7	.4	4.6	1.2	79	<.1	.3	.1	70	.45	.041	7	42.6	.68	152	.107	1	1.43	.041	.10	<.1	.03	3.5	<.1	<.05	4
3800E 2750N	.7	26.0	3.9	38	.1	24.6	11.9	293	2.80	5.5	.4	.8	.9	79	.1	.2	.1	66	.83	.067	6	54.6	.68	141	.059	6	1.68	.040	.11	<.1	.04	4.7	<.1	<.05	5
3800E 2700N	.8	19.7	3.2	35	<.1	22.1	9.4	214	2.15	2.8	.3	1.5	.8	86	.1	.3	<.1	63	1.14	.023	5	36.5	.72	121	.077	5	1.27	.058	.05	<.1	.04	2.5	<.1	<.05	4
4000E 5400N	.5	35.2	5.4	60	.1	33.7	13.1	446	2.65	3.3	.4	<.5	1.2	46	.1	.2	.1	71	.46	.122	5	35.4	.76	101	.115	1	2.37	.019	.09	<.1	.02	2.9	<.1	<.05	7
4000E 5350N	.8	27.6	5.3	98	.1	39.7	13.8	703	3.19	4.9	.5	1.5	1.7	45	.1	.4	.1	78	.36	.200	5	44.2	.80	134	.142	2	3.37	.021	.07	<.1	.02	3.3	<.1	<.05	10
4000E 5300N	.6	21.3	4.5	72	.1	34.7	12.9	729	2.71	2.4	.4	1.0	.9	55	.1	.3	.1	75	.41	.085	4	41.0	.68	151	.162	1	2.41	.023	.09	<.1	.03	2.5	<.1	<.05	7
4000E 5250N	.5	19.9	4.5	50	.1	32.1	12.6	392	2.66	2.6	.4	2.4	1.0	57	<.1	.3	.1	70	.28	.082	5	40.7	.67	129	.138	2	2.51	.022	.11	<.1	.02	2.3	<.1	<.05	7
4000E 5200N	.4	22.1	4.7	49	.1	38.8	13.6	674	2.82	3.0	.5	2.2	.8	87	.2	.4	.1	90	.68	.042	10	45.3	.80	103	.161	1	2.07	.041	.08	<.1	.04	4.2	<.1	<.05	6
4000E 5150N	.5	36.7	5.5	53	.2	45.6	13.3	729	3.15	3.9	.9	<.5	1.2	75	.2	.3	.1	76	.91	.043	29	50.5	.99	111	.092	1	2.97	.037	.05	<.1	.04	6.7	.1	<.05	8
4000E 5100N	.5	19.8	4.5	59	.1	51.2	16.5	469	3.22	1.0	.3	<.5	.6	41	.1	.1	.1	70	.36	.068	8	50.9	1.23	83	.119	2	2.51	.030	.05	<.1	.03	3.7	<.1	<.05	8
4000E 5050N	.9	21.6	4.5	80	.1	53.4	17.3	855	3.03	2.8	.3	<.5	.6	34	<.1	.1	.2	70	.32	.106	3	113.0	1.08	110	.072	2	3.80	.027	.07	<.1	.03	3.8	.1	<.05	11
4000E 5000N	.7	14.8	4.7	68	.1	33.7	10.6	486	2.57	4.3	.3	<.5	1.1	14	<.1	.1	.1	62	.14	.215	5	27.7	.69	67	.092	2	2.49	.017	.04	<.1	.04	3.0	<.1	<.05	8
RE 4000E 5000N	.6	14.6	5.0	66	.1	33.8	10.4	466	2.46	4.1	.4	.6	1.1	14	.1	.1	.1	63	.13	.213	6	27.7	.72	68	.089	1	2.62	.017	.04	.1	.02	2.8	<.1	<.05	9
4000E 4950N	.6	25.3	4.3	61	.1	47.0	15.4	553	3.18	2.2	.4	.6	.9	69	.1	.1	.1	81	.57	.059	6	88.1	1.25	132	.095	2	3.94	.026	.06	<.1	.03	3.7	<.1	<.05	10
4000E 4900N	.6	30.6	4.4	60	.1	56.9	21.3	435	3.66	5.3	.3	<.5	.8	48	.1	.1	.1	81	.50	.077	11	158.1	1.59	83	.073	<1	3.46	.027	.07	.1	.03	6.7	<.1	<.05	10
4000E 4850N	.6	15.6	4.8	27	.1	27.9	10.5	363	2.14	2.6	.2	8.7	.5	100	.1	.2	.1	57	.81	.030	5	49.2	.66	97	.083	3	1.87	.038	.04	.1	.08	2.6	<.1	<.05	5
4000E 4800N	.7	26.7	4.5	65	.1	50.4	17.0	1015	3.17	4.5	.3	8.7	1.2	62	.1	.2	.1	72	.49	.063	5	79.0	.95	192	.099	<1	4.39	.021	.05	<.1	.03	4.4	.1	<.05	11
4000E 4750N	.3	24.4	4.5	80	.1	44.4	12.8	720	2.87	2.0	.5	<.5	1.0	67	.2	.1	.1	58	.81	.106	6	94.8	1.12	150	.054	1	3.35	.027	.11	<.1	.03	3.8	<.1	<.05	9
4000E 4700N	.4	22.2	5.2	62	.1	42.5	12.6	821	2.55	1.2	.7	1.2	.8	61	.1	.2	.1	73	.57	.037	14	74.9	1.03	100	.093	1	2.73	.042	.06	<.1	.04	3.7	<.1	<.05	7
4000E 4650N	.4	21.3	5.4	84	.1	73.2	17.6	1203	3.10	1.4	.4	<.5	.8	75	.2	.1	.1	73	.53	.099	7	154.3	1.58	173	.071	<1	4.16	.031	.12	<.1	.04	4.4	<.1	<.05	10
4000E 4600N	.6	20.5	3.6	72	<.1	37.2	12.3	785	2.84	1.1	.2	<.5	.7	68	.1	.1	.1	69	.64	.114	5	76.0	.93	133	.056	1	3.25	.032	.11	<.1	.05	3.7	<.1	<.05	7
4000E 4550N	.5	35.0	3.6	53	<.1	72.4	17.0	478	3.29	1.2	.2	<.5	.9	75	.1	<.1	.1	90	.47	.059	4	87.2	1.42	87	.076	1	2.99	.063	.08	<.1	.02	3.6	<.1	<.05	8
4000E 4500N	.5	16.2	4.8	77	.1	33.5	10.8	436	2.33	2.2	.2	<.5	.8	37	.1	.2	.1	59	.33	.082	3	47.1	.54	169	.121	<1	2.73	.026	.09	<.1	.02	2.5	<.1	<.05	8
4000E 4450N	.5	11.3	4.6	78	<.1	31.3	8.6	1003	2.11	1.8	.2	.7	.7	40	.1	.1	.1	55	.35	.042	3	53.5	.61	107	.099	1	2.17	.025	.08	<.1	.03	1.9	<.1	<.05	5
4000E 4400N	.7	17.5	3.7	90	.1	31.1	8.9	471	2.24	3.8	.3	<.5	.8	58	.1	.1	.1	56	.44	.110	3	40.9	.39	148	.079	<1	1.98	.028	.14	<.1	.03	2.7	<.1	<.05	5
4000E 4350N	.5	18.4	4.7	54	<.1	32.1	8.3	297	2.63	3.1	.3	1.2	.8	51	<.1	.2	.1	69	.33	.047	3	56.5	.43	113	.114	<1	1.93	.029	.09	<.1	.02	2.5	<.1	<.05	6
4000E 4300N	.7	18.0	4.7	50	<.1	29.3	8.9	385	2.48	2.4	.4	.7	1.0	63	.1	.2	.1	72	.39	.041	6	50.8	.52	129	.130	<1	1.90	.030	.11	<.1	.02	3.0	<.1	<.05	5
4000E 4250N	.6	18.8	4.2	56	<.1	32.6	10.8	366	2.81	2.0	.3	<.5	1.1	47	<.1	.2	.1	83	.38	.041	4	74.8	.61	83	.140	1	1.87	.038	.13	<.1	.01	3.5	<.1	<.05	5
4000E 4200N	.9	24.0	4.3	61	<.1	37.7	12.7	495	3.22	5.3	.5	1.0	1.6	63	.1	.3	.1	88	.51	.082	7	61.8	.73	104	.089	1	2.11	.039	.11	<.1	.03	5.8	<.1	<.05	6
4000E 4150N	.8	16.7	5.3	101	.1	40.8	10.1	342	2.53	2.5	.3	<.5	1.2	44	<.1	.2	.1	56	.32	.140	4	43.0	.52	163	.088	<1	3.29	.019	.08	<.1	.02	3.2	<.1	<.05	8
4000E 4100N	.9	12.1	5.7	66	<.1	16.5	6.5	257	2.22	2.3	.3	.8	1.0	29	.1	.2	.1	62	.21	.052	5	32.3	.29	105	.090	1	1.50	.019	.07	<.1	.01	1.9	<.1	<.05	4
4000E 4050N	.4	10.9	4.7	65	<.1	17.8	5.7	183	1.71	1.1	.3	<.5	.6	38	<.1	.2	.1	49	.25	.028	5	32.2	.39	91	.099	<1	1.70	.025	.05	<.1	.01	2.0	<.1	<.05	5
STANDARD DS3	9.0	127.5	32.0	155	.3	36.0	12.0	828	3.20	30.0	6.3	22.7	3.8	26	6.0	5.4	5.6	70	.56	.090	16	179.6	.61	143	.080	2	1.71	.034	.16	3.8	.22	2.5	1.1	<.05	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
G-1	1.3	1.9	2.1	40	<.1	4.6	3.8	477	1.64	<.5	2.8	<.5	5.2	59	<.1	<.1	.2	36	.46	.087	7	11.9	.51	215	.116	1	.86	.060	.45	2.4	<.01	1.3	.3	<.05	4
4000E 4000N	.5	8.7	5.0	69	<.1	19.5	5.4	240	1.70	.8	.2	<.5	.6	30	<.1	.1	.1	48	.18	.040	3	29.7	.32	85	.098	1	2.00	.019	.04	<.1	.01	1.2	<.1	<.05	6
4000E 3950N	.7	19.8	3.8	53	<.1	39.0	11.7	242	2.44	1.3	.5	1.2	.9	65	.1	.2	.1	76	.58	.052	12	46.5	.66	96	.089	1	2.24	.028	.10	<.1	.02	3.2	<.1	<.05	6
4000E 3900N	.4	12.4	4.6	83	<.1	31.4	9.2	217	1.93	1.2	.2	<.5	.9	26	.1	.1	.1	49	.17	.092	3	34.3	.34	123	.090	1	2.77	.022	.05	<.1	.02	1.7	<.1	<.05	8
4000E 3850N	.5	11.3	4.4	95	.1	32.9	9.2	611	2.11	1.7	.3	.5	1.0	41	.1	.1	.1	48	.33	.189	5	34.0	.36	186	.081	1	2.60	.021	.10	<.1	.02	2.3	<.1	<.05	8
4000E 3800N	.6	16.3	4.5	78	<.1	26.5	7.1	575	1.91	<.5	.4	<.5	.8	58	.1	.1	.1	43	.46	.046	29	34.0	.42	92	.087	1	2.24	.024	.06	<.1	.01	2.8	<.1	<.05	6
4000E 3750N	.5	10.7	5.3	83	<.1	20.7	6.7	230	1.92	1.3	.2	<.5	.6	30	.1	.2	.1	52	.21	.042	3	31.7	.35	94	.116	1	1.96	.021	.06	<.1	.02	1.4	<.1	<.05	6
4000E 3700N	.4	11.0	4.4	60	<.1	17.4	6.5	409	1.62	1.1	.3	<.5	.6	35	.1	.2	.1	49	.19	.025	4	27.6	.34	68	.110	<1	1.46	.026	.03	<.1	.01	1.5	<.1	<.05	4
4000E 3650N	.3	9.9	3.9	66	<.1	15.3	4.8	384	1.48	.7	.2	.5	.6	29	.1	.1	.1	41	.21	.020	6	24.1	.31	68	.091	1	1.48	.023	.04	<.1	.03	1.9	<.1	<.05	4
4000E 3600N	.4	8.7	3.7	73	<.1	13.2	5.4	502	1.57	.6	.2	.5	.5	45	.1	.1	.1	46	.23	.026	6	28.5	.26	94	.112	1	1.13	.025	.05	<.1	.01	1.3	<.1	<.05	4
4000E 3550N	.6	13.1	4.0	111	<.1	27.2	9.2	611	2.06	1.4	.2	<.5	.6	39	.1	.1	.1	56	.29	.064	4	35.0	.49	117	.096	2	2.08	.023	.07	<.1	.02	1.9	<.1	<.05	6
4000E 3500N	.4	44.2	4.0	125	.2	55.7	12.4	886	3.27	1.7	1.2	<.5	1.6	85	.2	.2	.1	60	.81	.073	38	58.0	.82	228	.042	<1	4.45	.023	.07	<.1	.03	9.8	.1	<.05	11
4000E 3450N	.4	17.2	5.3	82	<.1	19.4	8.4	1236	2.30	3.7	.3	<.5	.8	44	.2	.2	.1	52	.73	.058	13	29.2	.35	540	.020	6	1.28	.018	.16	<.1	.05	4.5	.1	<.05	4
4000E 3400N	.7	19.4	5.8	74	<.1	10.5	8.0	930	2.29	3.5	.4	<.5	1.2	40	.2	.2	.1	50	.55	.028	11	12.1	.14	358	.003	14	.74	.012	.14	<.1	.03	5.9	.1	<.05	3
4000E 3350N	1.2	19.9	4.8	66	<.1	12.7	6.6	410	2.40	4.8	.6	<.5	1.7	42	.1	.2	.1	63	.38	.039	12	21.4	.18	278	.024	4	1.16	.020	.15	<.1	.01	4.1	.1	<.05	4
4000E 3300N	.7	19.6	7.9	113	<.1	15.6	11.2	1317	2.61	5.5	.5	<.5	1.8	54	.2	.2	.1	59	.85	.082	12	23.8	.26	1108	.025	6	1.57	.015	.24	<.1	.02	4.7	.1	<.05	5
4000E 3200N	.8	19.7	5.8	62	<.1	28.7	11.6	623	2.64	1.5	.4	<.5	1.4	58	.2	.2	.1	77	.57	.039	13	35.5	.41	183	.093	4	1.28	.032	.18	<.1	.02	4.1	.1	<.05	4
4000E 3150N	.5	17.6	4.2	64	<.1	24.1	9.5	496	2.34	1.9	.5	<.5	1.4	60	.1	.2	.1	71	.41	.031	13	35.0	.43	227	.106	3	1.24	.033	.19	<.1	.01	3.8	.1	<.05	4
4000E 3100N	.7	14.5	4.1	67	<.1	19.0	7.9	345	2.54	3.7	.4	4.5	1.5	146	.1	.1	.1	59	.60	.043	8	30.5	.59	358	.090	3	1.98	.037	.31	<.1	.01	4.1	.1	<.05	6
RE 4000E 3100N	.6	15.0	4.2	71	<.1	19.6	7.9	384	2.54	3.7	.4	.9	1.5	147	<.1	.1	.1	61	.60	.044	8	32.7	.58	350	.097	2	2.05	.041	.34	<.1	.01	4.4	.1	<.05	6
4000E 3050N	.5	30.9	3.6	73	<.1	36.9	12.9	517	3.33	3.9	.7	.7	1.9	93	.1	.2	.1	95	.63	.048	17	47.9	.89	247	.089	3	2.23	.053	.25	<.1	.02	6.5	.1	<.05	6
4000E 3000N	.4	25.4	3.4	73	<.1	33.1	12.1	376	3.51	4.6	.6	.5	2.0	251	.1	.1	.1	76	.82	.044	13	48.4	1.17	478	.055	1	3.10	.048	.43	<.1	.02	6.5	.1	<.05	9
4000E 2950N	.8	24.1	4.3	80	<.1	30.4	11.5	528	3.26	5.6	.4	.6	1.4	76	.1	.2	<.1	96	.52	.090	7	41.9	.58	204	.098	2	1.86	.030	.21	<.1	.02	4.8	<.1	<.05	5
4000E 2900N	1.1	15.2	4.2	69	.1	22.2	10.2	721	2.31	2.4	.3	2.9	.8	38	<.1	.2	.1	65	.27	.104	5	31.8	.37	191	.105	1	1.85	.024	.11	<.1	.02	2.1	<.1	<.05	6
4000E 2850N	.8	15.2	3.7	101	<.1	20.9	8.0	539	2.38	3.5	.3	.6	1.1	58	.1	.2	.1	68	.33	.089	5	32.5	.35	260	.100	2	1.52	.025	.21	<.1	.02	2.8	<.1	<.05	5
4000E 2800N	.6	14.1	3.5	63	<.1	17.8	8.1	421	2.28	2.2	.2	.6	.8	43	<.1	.2	<.1	67	.34	.060	3	34.5	.43	127	.120	2	1.28	.026	.13	<.1	.02	2.1	<.1	<.05	4
4000E 2750N	.7	13.9	4.5	50	<.1	19.5	8.4	384	2.09	1.6	.4	<.5	.9	49	.1	.2	.1	57	.32	.055	4	31.8	.45	132	.121	1	1.38	.033	.07	<.1	.03	2.0	<.1	<.05	4
4000E 2700N	1.0	15.9	4.0	52	<.1	22.9	9.3	385	2.39	3.3	.4	5.6	.9	51	<.1	.3	.1	70	.39	.075	6	35.4	.44	142	.114	2	1.45	.032	.11	<.1	.02	2.3	<.1	<.05	4
4000E 2650N	.8	15.9	3.6	53	.1	20.6	9.5	399	2.38	1.8	.3	1.7	.9	43	.1	.2	.1	66	.29	.079	5	35.5	.49	120	.120	1	1.44	.028	.17	<.1	.02	2.3	<.1	<.05	4
4000E 2600N	.8	34.2	4.0	62	<.1	40.1	14.9	564	3.35	5.6	.5	5.4	1.6	97	<.1	.5	.1	94	.90	.099	16	42.7	1.05	143	.101	4	1.72	.065	.12	.1	.05	5.3	<.1	<.05	5
4400E 4450N	.7	12.2	4.2	56	<.1	20.5	6.7	734	1.64	2.7	.2	1.8	.7	35	<.1	.2	.1	31	.29	.069	2	19.0	.16	119	.028	1	1.73	.014	.05	<.1	.02	1.9	<.1	<.05	5
4400E 4400N	.8	15.8	4.1	56	<.1	34.5	10.3	305	2.69	2.4	.3	1.4	.7	44	<.1	.3	.1	75	.28	.078	3	52.5	.53	125	.128	1	2.50	.019	.05	<.1	.02	2.1	<.1	<.05	7
4400E 4350N	.5	26.1	2.4	55	<.1	43.5	11.0	166	3.63	4.9	.2	2.0	1.2	54	<.1	.2	<.1	85	.37	.074	3	64.2	.60	131	.055	<1	2.91	.023	.04	<.1	.01	4.8	<.1	<.05	8
4400E 4300N	.8	21.0	4.7	78	.1	39.7	12.1	428	2.72	3.0	.3	1.5	1.3	28	.1	.2	.1	61	.21	.184	3	43.4	.52	141	.103	1	3.09	.014	.09	.1	.02	2.0	<.1	<.05	9
STANDARD DS3	9.6	119.5	32.6	163	.3	37.1	12.1	809	3.15	28.8	6.3	22.3	3.9	27	6.4	5.4	5.7	73	.51	.085	18	172.0	.58	144	.092	2	1.69	.033	.14	3.9	.22	2.4	1.1	<.05	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
G-1	1.5	2.3	2.5	41	<.1	4.4	3.7	447	1.72	<.5	2.0	<.5	4.7	77	<.1	<.1	.1	41	.50	.092	8	40.6	.49	205	.117	1	.88	.079	.44	.7	<.01	1.5	.3	<.05	5
4400E 4250N	1.0	17.6	6.1	87	.1	34.3	10.6	690	2.23	2.9	.4	4.2	1.2	17	.1	.2	.1	51	.14	.228	4	32.7	.36	106	.090	1	3.05	.018	.06	.1	.03	2.1	<.1	<.05	9
4400E 4200N	1.0	23.8	4.8	106	.1	55.5	14.8	706	2.90	4.5	.4	.8	1.4	36	<.1	.3	.1	63	.24	.147	5	50.6	.57	273	.067	<1	4.03	.020	.09	<.1	.03	3.4	<.1	<.05	9
4400E 4150N	.7	15.6	4.9	93	.1	39.5	10.6	803	2.46	3.2	.3	1.3	1.0	27	.1	.2	.1	57	.21	.187	3	39.8	.40	172	.083	1	3.06	.018	.08	<.1	.01	2.3	<.1	<.05	9
4400E 4100N	.9	21.4	6.0	82	<.1	35.8	10.7	881	2.45	4.5	.3	.9	1.0	48	.2	.3	.1	69	.38	.118	4	43.2	.49	105	.083	<1	2.20	.018	.06	<.1	.02	2.5	<.1	<.05	7
4400E 4050N	1.0	15.5	5.7	96	.1	19.9	7.2	1271	1.49	1.8	.3	4.1	1.0	36	.2	.1	.1	41	.31	.146	3	19.0	.25	156	.080	1	1.70	.013	.09	.1	.02	1.3	.1	<.05	7
4400E 4000N	.8	14.2	5.4	104	.1	31.1	8.3	676	1.90	2.0	.3	1.1	.8	36	.2	.1	.1	48	.29	.097	3	30.4	.39	132	.103	1	2.58	.023	.07	<.1	.01	1.5	<.1	<.05	8
4400E 3950N	.7	15.4	5.4	153	.1	33.9	9.1	195	2.30	3.0	.3	1.1	1.5	45	.3	.1	.1	46	.31	.420	4	30.3	.32	137	.080	2	2.95	.016	.09	<.1	.02	2.5	<.1	<.05	9
4400E 3900N	.6	10.4	5.3	96	<.1	20.8	7.3	213	1.89	1.5	.3	<.5	1.1	39	.1	.1	.1	42	.29	.119	4	25.2	.31	116	.083	<1	2.05	.018	.07	<.1	.01	1.8	.1	<.05	7
4400E 3850N	.5	13.2	5.6	79	.1	28.4	8.6	318	2.06	2.2	.4	.7	1.0	50	.1	.1	.1	47	.33	.119	5	33.2	.48	126	.085	1	2.51	.019	.10	<.1	.02	2.2	<.1	<.05	7
4400E 3800N	.5	19.4	5.6	67	<.1	45.2	13.2	405	2.87	2.2	.4	.9	1.4	59	.1	.2	.1	72	.36	.095	5	50.6	.68	214	.128	<1	4.22	.019	.08	<.1	.03	2.7	<.1	<.05	10
4400E 3750N	.5	25.2	6.2	73	<.1	48.0	15.9	408	3.48	2.1	.6	1.5	2.1	43	.1	.1	.1	83	.21	.077	7	63.4	.74	196	.154	1	5.50	.019	.06	<.1	.02	4.3	.1	<.05	13
4400E 3700N	.6	21.9	3.9	78	<.1	63.5	13.8	496	3.45	1.6	.4	.5	1.1	58	.1	.1	.1	88	.46	.050	8	60.3	1.09	125	.160	1	3.01	.025	.07	<.1	.01	4.2	<.1	<.05	8
4400E 3650N	.6	18.5	4.3	77	<.1	36.8	12.4	675	2.81	1.8	.4	1.0	1.1	63	.1	.2	.1	80	.52	.065	7	50.7	.66	119	.152	2	2.42	.024	.14	<.1	.02	3.6	<.1	<.05	7
4400E 3600N	.7	25.9	4.2	89	.1	49.0	13.6	611	3.21	2.0	.4	.7	1.2	72	.2	.2	.1	86	.54	.088	7	62.4	.87	154	.147	2	3.02	.032	.11	<.1	.02	4.1	.1	<.05	8
4400E 3550N	.9	24.1	5.0	91	.1	36.8	14.6	905	2.80	2.3	.5	<.5	.9	69	.3	.2	.1	78	.57	.087	10	50.0	.76	143	.116	4	2.41	.038	.19	<.1	.02	4.4	.1	<.05	7
4400E 3500N	.7	22.7	5.3	74	.1	29.5	12.1	770	2.23	3.4	.7	1.5	.5	78	.3	.3	.1	59	.94	.073	9	35.5	.64	120	.064	4	1.84	.031	.13	<.1	.04	3.5	.1	.06	5
4400E 3450N	.7	20.6	4.7	178	.1	17.8	7.7	1211	1.96	1.8	.3	7.9	.8	79	.5	.1	.1	52	.75	.116	7	25.9	.38	206	.097	5	1.46	.029	.24	<.1	.02	2.6	<.1	<.05	5
4400E 3400N	.7	28.2	3.8	106	.1	47.7	16.9	779	3.13	2.9	.5	.5	.7	63	.3	.1	.1	77	.78	.082	12	50.4	.62	160	.058	5	1.86	.048	.14	<.1	.02	6.4	<.1	<.05	5
4400E 3350N	.4	26.3	4.9	96	.1	39.4	14.1	510	3.12	3.6	.7	1.1	1.7	74	.2	.3	.1	85	.70	.040	12	56.8	.81	180	.114	4	2.29	.049	.12	<.1	.03	6.5	.1	<.05	6
4400E 3300N	.6	26.4	4.9	101	.1	33.6	12.5	700	2.57	1.9	.8	.7	1.1	62	.3	.2	.1	61	.92	.045	15	39.8	.52	228	.083	5	1.84	.044	.11	<.1	.02	4.9	.1	<.05	5
4400E 3250N	.7	16.4	3.7	94	<.1	18.5	8.2	709	1.74	1.4	.3	.8	.8	50	.2	.1	.1	48	.53	.049	7	31.0	.34	195	.085	4	1.25	.038	.20	<.1	.01	2.8	<.1	<.05	4
4400E 3200N	.6	17.9	4.0	78	.1	27.7	10.9	379	2.53	2.7	.4	<.5	1.1	56	.1	.3	.1	68	.43	.046	8	43.5	.50	109	.113	3	1.81	.044	.10	<.1	.02	4.2	<.1	<.05	5
RE 4400E 3200N	.6	16.9	4.0	78	<.1	26.7	11.3	374	2.46	3.1	.5	1.2	1.0	56	.1	.3	.1	66	.47	.047	8	42.3	.52	109	.111	3	1.77	.041	.11	<.1	.02	3.7	<.1	<.05	5
4400E 3150N	1.0	21.8	4.7	83	<.1	28.8	10.4	603	2.27	3.6	.8	.9	1.2	68	.3	.2	.1	53	.66	.035	11	27.3	.33	218	.030	5	1.27	.026	.15	<.1	.02	4.5	.1	<.05	4
4400E 3100N	.7	20.5	5.0	142	.1	17.2	9.2	896	1.88	2.2	.8	.7	1.1	57	.3	.1	.1	45	.65	.059	11	24.2	.34	291	.056	5	1.45	.026	.15	<.1	.02	3.3	.1	<.05	4
4400E 3050N	.9	24.3	5.5	88	.1	24.3	11.9	948	2.31	3.3	.9	.6	1.2	70	.4	.2	.1	56	.83	.066	13	31.1	.49	403	.043	7	1.56	.027	.20	<.1	.03	4.5	.1	.06	5
4400E 3000N	1.1	33.3	4.2	111	.1	41.6	19.5	1199	3.75	7.5	.6	.6	1.2	78	.2	.1	.1	72	.74	.093	15	53.7	.40	169	.014	3	1.79	.031	.14	<.1	.03	8.4	.1	<.05	5
4400E 2950N	1.0	21.9	11.5	138	<.1	41.4	15.6	1514	4.23	15.0	.8	<.5	4.1	73	.4	.7	.1	98	.75	.073	11	25.0	.28	1089	.064	6	1.91	.019	.15	<.1	.03	7.8	.9	<.05	6
4400E 2900N	.6	18.0	4.7	56	<.1	23.5	10.4	571	2.15	2.3	.5	<.5	1.3	61	.1	.2	.1	58	.71	.030	12	28.3	.50	204	.066	5	1.26	.038	.17	<.1	.02	4.1	.1	<.05	4
4400E 2850N	.6	17.9	3.7	100	<.1	20.4	8.3	625	2.43	2.0	.4	8.4	1.1	57	.1	.2	.1	65	.53	.039	9	33.8	.39	217	.092	4	1.37	.035	.15	<.1	.02	4.2	.1	<.05	4
4400E 2800N	.6	15.9	3.0	63	<.1	23.6	7.3	320	2.31	2.5	.3	.8	1.2	40	.1	.1	.1	63	.38	.055	8	34.7	.35	141	.080	3	1.46	.034	.13	<.1	.01	4.1	.1	<.05	4
4400E 2750N	.7	17.4	3.7	106	<.1	26.1	7.9	395	2.57	2.7	.3	.7	1.3	45	.1	.2	.1	73	.40	.056	7	43.8	.43	178	.104	3	1.50	.036	.17	<.1	.03	3.8	.1	<.05	5
4400E 2700N	1.0	19.8	4.7	74	.1	26.1	11.6	763	2.70	3.4	.5	2.8	1.2	68	.2	.2	.1	71	.70	.045	10	36.0	.53	310	.093	7	1.61	.038	.21	<.1	.03	4.4	.1	<.05	5
STANDARD DS3	9.5	121.2	32.7	159	.3	38.0	12.7	827	3.21	29.4	6.3	19.4	3.9	27	6.0	5.5	5.6	76	.56	.092	19	172.3	.58	147	.094	3	1.81	.037	.15	3.8	.22	2.7	1.2	<.05	6

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

Data d 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
G-1	1.4	1.8	2.4	40	<.1	3.9	3.6	455	1.57	<.5	1.8	.9	4.5	67	<.1	<.1	.1	36	.52	.084	8	26.0	.47	202	.120	1	.82	.074	.43	.9	.01	1.4	.3	<.05	4
4400E 2650N	1.4	19.3	5.5	69	<.1	23.7	10.3	792	2.27	3.7	.4	.6	1.2	63	.1	.3	.1	60	.58	.045	10	31.6	.35	349	.075	3	1.35	.031	.15	<.1	.03	4.0	.1	<.05	4
4400E 2600N	.7	13.2	4.0	62	<.1	15.9	6.8	502	1.88	2.1	.4	.8	1.0	50	<.1	.2	.1	54	.41	.045	6	26.7	.35	243	.095	3	1.34	.028	.14	<.1	.02	2.8	<.1	<.05	4
4400E 2550N	.3	15.7	3.1	47	.1	15.3	6.8	436	1.40	1.0	.4	.8	.5	358	.2	.1	<.1	27	15.71	.093	8	26.5	1.07	479	.052	10	.91	.059	.08	<.1	.02	3.3	<.1	<.05	3
4400E 2500N	.9	19.6	5.6	85	<.1	27.3	9.5	666	2.46	2.9	.3	<.5	1.2	48	.1	.2	.1	63	.38	.103	5	35.3	.44	244	.100	1	2.47	.020	.12	<.1	.04	2.8	.1	<.05	7
4400E 2450N	.4	13.9	4.8	72	<.1	16.1	6.4	464	1.69	2.5	.3	.5	1.1	29	.1	.1	.1	43	.25	.068	3	23.6	.33	135	.093	1	1.74	.019	.07	<.1	.01	1.9	<.1	<.05	5
4400E 2400N	.6	28.9	3.6	64	<.1	26.1	11.2	803	2.35	2.3	.4	.7	1.2	64	.2	.2	.1	65	.58	.068	8	32.4	.48	155	.093	2	2.00	.024	.10	<.1	.02	3.2	<.1	<.05	5
4400E 2350N	.6	23.6	3.7	62	.1	30.2	11.7	648	2.69	2.9	.4	.8	.9	77	.1	.3	<.1	77	.62	.066	8	38.0	.64	155	.095	2	1.75	.039	.16	<.1	.02	4.2	<.1	<.05	5
4400E 2300N	.5	31.7	2.7	34	<.1	23.2	14.8	515	2.63	2.8	.5	2.5	.8	67	<.1	.1	<.1	89	.66	.067	7	39.9	.83	156	.076	2	1.67	.042	.08	<.1	.03	2.9	<.1	<.05	5
4400E 2250N	.4	31.7	2.6	35	<.1	26.0	13.3	267	2.52	3.0	.7	1.3	.8	109	<.1	.2	<.1	89	1.19	.035	8	36.7	1.00	152	.075	8	1.51	.058	.05	<.1	.04	3.2	<.1	<.05	4
4800E 4450N	.5	24.7	4.4	61	<.1	54.1	15.1	531	3.11	1.7	.3	<.5	1.0	75	<.1	.1	.1	71	.52	.073	4	83.1	.99	160	.110	1	3.82	.027	.06	<.1	.05	3.7	<.1	<.05	10
4800E 4400N	.4	11.3	4.1	64	<.1	37.5	9.0	685	1.68	1.3	.2	<.5	.8	42	.1	<.1	.1	40	.31	.103	2	63.8	.50	101	.073	2	2.46	.028	.06	<.1	.01	2.2	<.1	<.05	7
4800E 4350N	.4	12.8	4.0	60	<.1	39.8	9.3	439	2.02	1.2	.2	<.5	.5	35	.1	.1	.1	50	.30	.096	2	61.5	.52	104	.083	1	3.47	.026	.05	<.1	.02	2.0	<.1	<.05	9
4800E 4300N	.7	11.8	5.7	61	<.1	28.9	10.0	768	2.02	1.4	.2	<.5	1.1	46	.1	.1	.1	47	.41	.188	3	33.9	.37	175	.090	<1	2.51	.023	.09	<.1	.02	2.5	<.1	<.05	7
4800E 4250N	.7	18.6	4.5	191	.1	21.6	7.9	3902	1.54	1.5	.1	.6	.4	125	.9	.1	.1	40	1.31	.154	3	29.9	.28	423	.071	2	1.90	.021	.10	<.1	.04	2.1	<.1	<.05	6
4800E 4200N	.8	23.3	4.5	64	<.1	40.3	15.0	435	3.22	3.8	.4	.8	1.5	79	.1	.3	.1	80	.55	.103	6	58.2	.72	132	.079	1	2.56	.028	.12	<.1	.02	5.0	.1	<.05	7
4800E 4150N	.5	60.4	5.7	97	.2	68.8	14.9	1435	3.39	3.1	1.5	<.5	1.9	99	.3	.3	.1	72	1.05	.045	44	53.7	.99	165	.045	2	3.23	.031	.08	<.1	.04	9.1	.1	<.05	8
RE 4800E 4150N	.6	60.7	5.8	97	.2	71.7	15.3	1349	3.19	2.5	1.6	<.5	1.8	100	.3	.3	.1	73	1.08	.047	44	51.7	1.02	167	.044	2	3.19	.031	.09	<.1	.03	9.3	.1	<.05	9
4800E 4100N	.4	18.0	4.1	56	.1	29.3	10.2	546	2.37	1.0	.4	1.2	1.1	65	.1	.2	.1	69	.47	.037	7	35.1	.56	127	.119	1	1.74	.029	.07	<.1	.03	2.4	<.1	<.05	6
4800E 4050N	.7	22.4	3.5	99	.1	57.7	17.8	737	3.15	2.1	.3	<.5	1.1	63	.1	.1	.1	86	.51	.168	5	113.7	1.23	227	.098	<1	2.39	.034	.11	<.1	.02	5.1	<.1	<.05	7
4800E 3400N	.6	11.8	5.0	84	<.1	23.8	8.2	518	2.04	.6	.3	.6	.9	42	.1	.1	.1	66	.30	.068	3	40.2	.45	115	.158	1	2.02	.029	.08	<.1	.01	1.6	<.1	<.05	6
4800E 3350N	.6	12.4	5.2	98	<.1	21.1	6.8	635	1.80	1.3	.2	.9	.9	39	.1	.1	.1	49	.29	.067	3	26.0	.37	132	.134	1	1.89	.019	.07	<.1	.01	1.5	<.1	<.05	6
4800E 3300N	.6	14.6	4.5	91	<.1	47.9	14.4	660	3.20	1.2	.4	<.5	1.3	88	<.1	<.1	.1	82	.51	.048	5	44.0	1.21	93	.290	1	2.96	.034	.09	<.1	<.01	4.5	<.1	<.05	9
4800E 3250N	.6	10.5	4.6	75	<.1	29.2	9.7	610	2.20	.5	.3	.8	1.0	132	.1	.1	.1	53	.45	.038	4	25.6	.72	92	.236	1	2.22	.024	.09	<.1	.01	2.7	<.1	<.05	8
4800E 3200N	.4	30.7	6.0	91	.1	80.6	24.1	845	4.71	1.0	.8	1.2	2.3	258	.1	.1	.1	112	1.17	.088	15	56.3	2.07	132	.379	3	4.04	.038	.27	.1	.01	7.8	<.1	<.05	12
4800E 3150N	.5	37.7	5.6	86	.1	79.6	25.7	920	4.38	3.7	.9	1.0	1.9	289	.1	.1	.1	114	1.26	.050	15	41.8	2.18	137	.374	5	3.99	.132	.15	<.1	.01	7.1	.1	<.05	12
4800E 3100N	.5	23.3	4.8	72	.1	31.3	13.3	809	2.40	2.1	.6	.9	1.1	97	.2	.1	.1	60	.84	.040	11	28.1	.71	93	.122	4	2.01	.042	.12	<.1	.02	4.3	.1	<.05	5
4800E 3050N	.6	19.3	4.2	94	<.1	29.7	12.9	849	2.46	2.1	.4	.5	.5	91	.1	.1	.1	56	.52	.077	6	33.1	.56	128	.105	2	2.02	.030	.12	<.1	.01	2.8	.1	<.05	6
4800E 3000N	.6	26.5	7.6	91	<.1	37.4	14.3	890	2.96	2.6	.7	.7	1.7	110	.3	.1	.1	87	.95	.033	10	34.7	.79	192	.110	6	2.25	.042	.14	<.1	.03	4.5	.1	<.05	6
4800E 2950N	.7	17.8	4.7	72	<.1	28.9	12.9	293	2.51	2.4	.4	.9	1.1	138	<.1	.1	.1	68	.37	.061	5	37.1	.62	167	.121	2	2.11	.036	.10	<.1	.02	3.0	<.1	<.05	5
4800E 2900N	.7	13.9	7.6	221	<.1	15.1	5.4	1740	1.76	2.8	.2	<.5	.7	44	.4	.1	.1	46	.54	.056	4	23.2	.24	733	.084	2	1.48	.018	.10	<.1	.04	1.6	.1	<.05	5
4800E 2850N	1.3	32.5	3.9	96	<.1	48.2	19.3	1322	3.24	3.6	.4	1.4	1.3	59	.1	.1	.1	58	.57	.080	11	47.2	.20	341	.010	1	1.44	.016	.11	<.1	.02	6.9	.1	<.05	4
4800E 2800N	1.6	20.2	5.9	126	.1	21.3	8.6	1190	1.81	3.3	.5	<.5	.5	53	.3	.1	.1	46	.85	.064	6	28.1	.26	393	.047	3	1.38	.016	.13	<.1	.03	2.6	.1	<.05	4
4800E 2750N	.8	17.3	4.0	173	<.1	20.6	7.1	1205	1.73	1.0	.2	.6	.7	46	.4	.1	.1	49	.38	.068	6	29.0	.24	297	.080	2	1.22	.026	.15	<.1	.01	2.5	<.1	<.05	4
STANDARD DS3	9.6	118.5	33.4	159	.3	37.3	12.5	828	3.27	29.4	6.3	20.2	3.7	26	6.2	5.3	5.6	78	.51	.090	18	174.1	.58	144	.091	1	1.66	.036	.15	3.9	.21	2.5	1.1	<.05	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
G-1	1.4	2.3	2.3	39	<.1	3.8	3.8	446	1.63	<.5	1.9	.8	4.5	64	<.1	<.1	.1	36	.47	.085	7	24.4	.48	210	.109	1	.82	.068	.41	1.1	<.01	1.2	.3	<.05	4
4800E 2700N	.8	11.0	3.9	98	<.1	14.0	4.6	481	1.94	2.2	.2	<.5	.8	29	.1	.2	.1	53	.24	.052	3	25.9	.23	210	.080	2	1.05	.021	.10	<.1	.01	1.8	<.1	<.05	4
4800E 2650N	.9	24.9	4.6	141	.1	28.9	10.8	714	2.69	3.4	.4	<.5	1.1	60	.3	.2	.1	70	.61	.097	9	38.4	.44	433	.078	4	1.70	.021	.16	<.1	.01	4.4	<.1	<.05	5
4800E 2600N	1.0	23.2	4.0	58	<.1	25.3	10.4	600	2.71	4.3	.5	<.5	1.3	50	.1	.2	.1	77	.46	.041	12	36.3	.38	297	.059	3	1.30	.027	.16	<.1	.01	5.2	.1	<.05	4
4800E 2550N	.6	15.0	3.5	110	<.1	25.4	8.2	739	2.25	2.1	.3	<.5	1.0	72	.1	.1	.1	70	.49	.046	5	40.1	.49	176	.143	2	1.53	.035	.15	<.1	.02	3.3	<.1	<.05	5
4800E 2500N	.6	13.8	3.5	112	<.1	23.9	7.5	571	2.01	1.9	.3	<.5	.8	52	.1	.1	.1	59	.37	.063	6	35.0	.42	245	.121	4	1.58	.031	.20	<.1	.01	3.2	<.1	<.05	5
4800E 2450N	1.0	19.5	4.4	89	.1	23.2	9.5	704	2.01	2.5	.6	<.5	.7	53	.2	.1	.1	49	.59	.063	8	29.6	.43	345	.079	3	1.67	.023	.22	<.1	.02	3.1	<.1	<.05	5
4800E 2400N	.8	22.1	4.4	93	.1	24.4	10.1	715	2.25	2.7	.6	2.3	.7	65	.2	.2	.1	53	.73	.065	10	34.4	.54	331	.066	4	1.50	.030	.16	<.1	.02	3.7	<.1	<.05	4
4800E 2351N	.5	12.9	3.9	112	<.1	14.6	6.0	586	1.81	1.8	.2	<.5	.7	36	.1	.1	.1	51	.28	.051	6	25.2	.34	265	.080	2	1.20	.021	.14	<.1	<.01	2.0	<.1	<.05	4
4800E 2350N	.8	20.7	4.3	84	.1	25.1	9.7	528	2.60	4.2	.4	<.5	.9	50	.2	.2	.1	66	.53	.064	10	35.0	.48	316	.081	3	1.62	.022	.16	<.1	.01	3.8	.1	<.05	5
4800E 2300N	.5	14.4	3.6	91	<.1	17.9	6.0	513	1.83	1.5	.2	1.1	.9	44	.1	.1	.1	52	.32	.033	6	26.6	.38	243	.089	2	1.21	.025	.13	<.1	.01	2.6	.1	<.05	4
4800E 2250N	.7	17.4	4.4	122	<.1	19.7	8.0	1111	1.61	2.3	.3	.9	.5	42	.2	.1	.1	42	.50	.133	5	22.2	.33	340	.067	1	1.47	.018	.11	<.1	.02	1.8	<.1	<.05	5
4800E 2200N	.6	30.3	4.1	85	.1	25.3	11.6	893	2.35	2.5	.4	<.5	.8	64	.1	.2	.1	65	.59	.107	7	36.2	.56	267	.098	2	1.79	.024	.13	<.1	.01	3.0	<.1	<.05	5
RE 4800E 2200N	.5	28.1	4.2	83	.1	25.6	11.6	891	2.39	2.5	.4	<.5	.9	62	.1	.2	.1	66	.62	.112	7	35.5	.58	262	.095	2	1.84	.024	.13	<.1	.02	3.0	<.1	<.05	5
4800E 2150N	.4	35.2	2.2	36	<.1	19.7	12.8	390	2.39	3.0	.3	1.2	1.1	54	.1	.1	<.1	92	.70	.081	6	35.4	.64	105	.060	2	1.29	.057	.08	<.1	.01	2.9	<.1	<.05	4
5200E 4450N	.4	14.1	5.6	34	.1	16.5	6.8	187	1.85	1.5	.6	5.8	.7	47	.1	.2	.1	50	.44	.020	7	27.7	.39	67	.107	1	1.53	.039	.04	<.1	.02	2.4	<.1	<.05	4
5200E 4400N	.5	36.9	5.9	64	.1	38.1	12.6	700	3.04	4.3	1.7	<.5	1.5	81	.2	.4	.1	63	.81	.039	20	40.4	.71	127	.090	1	2.83	.037	.06	<.1	.04	6.3	.1	<.05	8
5200E 4350N	2.0	17.3	4.9	67	.1	33.0	13.0	415	2.75	3.6	.3	.7	1.0	39	.1	.2	.1	73	.22	.174	4	41.6	.48	127	.127	1	2.43	.026	.08	<.1	.01	2.5	<.1	<.05	7
5200E 4300N	.8	18.1	4.9	60	.1	40.8	13.1	618	3.09	4.6	.3	1.9	1.0	64	<.1	.2	.1	86	.46	.057	4	67.3	.75	108	.130	1	2.50	.034	.08	<.1	.03	3.4	<.1	<.05	7
5200E 4250N	1.3	23.4	4.6	61	.1	36.6	13.9	234	2.78	7.5	.4	<.5	1.2	39	.1	.3	.1	68	.23	.165	4	40.3	.50	138	.116	1	2.68	.023	.12	<.1	.02	3.1	<.1	<.05	8
5200E 4200N	.8	34.0	4.5	105	.1	44.5	16.9	755	3.14	4.6	.6	1.5	1.7	93	.1	.4	.1	91	.79	.082	13	46.3	1.00	125	.150	1	2.11	.042	.12	.1	.05	5.7	<.1	<.05	6
5200E 4150N	.7	11.7	5.6	54	.1	21.0	8.7	213	2.06	3.8	.2	<.5	.9	26	.1	.2	.1	50	.18	.265	3	28.0	.28	102	.098	1	2.16	.017	.06	.1	.02	1.7	<.1	<.05	7
5200E 4100N	.4	12.7	7.1	66	.1	23.8	9.1	316	1.89	1.7	.3	.9	.9	43	.1	.1	.1	50	.38	.054	5	29.0	.44	87	.124	1	1.86	.029	.05	<.1	.01	2.0	<.1	<.05	6
5200E 4050N	.5	27.5	4.0	52	<.1	48.1	17.6	390	3.40	5.0	.5	1.2	1.8	94	<.1	.4	.1	102	.58	.078	11	56.0	1.05	139	.152	1	2.59	.042	.09	<.1	.02	5.0	<.1	<.05	7
5200E 4000N	.6	30.5	4.1	56	<.1	52.6	17.6	556	3.46	5.9	.6	2.1	2.0	111	<.1	.3	<.1	104	.69	.091	17	54.9	1.20	138	.140	1	2.73	.042	.09	<.1	.04	7.6	.1	<.05	7
5200E 3950N	.6	18.8	4.4	66	.1	35.2	10.7	382	2.22	3.5	.3	<.5	.9	49	.1	.2	.1	59	.38	.136	5	32.8	.54	140	.091	1	2.55	.021	.08	.1	.03	2.5	<.1	<.05	7
5200E 3900N	.7	14.7	4.9	75	.1	31.5	11.7	362	2.33	3.0	.3	.9	1.0	39	.1	.2	.1	61	.27	.173	3	33.6	.45	130	.116	1	2.42	.021	.11	<.1	.03	2.3	<.1	<.05	7
5200E 3850N	.5	25.4	5.6	63	.1	39.0	13.0	495	2.77	3.2	.6	1.4	.9	87	.2	.3	.1	75	.92	.075	13	41.0	.78	179	.101	3	2.39	.035	.10	<.1	.04	4.5	<.1	<.05	6
5200E 3800N	.4	22.6	5.7	72	.1	26.8	9.8	408	2.19	1.7	.5	<.5	1.0	59	.1	.2	.1	59	.45	.043	15	32.7	.56	124	.116	1	1.79	.033	.06	<.1	.01	3.1	<.1	<.05	5
5200E 3750N	.5	18.8	5.6	67	.1	29.4	11.2	349	2.44	1.4	.6	.7	1.1	54	<.1	.2	.1	68	.45	.068	11	37.8	.53	194	.123	2	2.05	.032	.09	<.1	.01	3.2	<.1	<.05	6
5200E 3700N	.4	18.4	6.1	82	.1	27.5	10.3	405	2.26	2.0	.7	.9	1.2	50	.1	.2	.1	57	.44	.054	7	32.9	.57	157	.115	2	2.09	.034	.11	<.1	.02	3.1	<.1	<.05	6
5200E 3650N	.6	35.2	4.9	52	.2	41.6	8.0	689	1.78	2.1	3.6	<.5	.5	148	.7	.4	.1	38	2.37	.102	34	27.2	.70	320	.018	7	2.50	.034	.09	<.1	.08	4.2	.2	.10	6
5200E 3600N	.7	19.3	5.7	89	<.1	37.3	14.4	610	2.86	2.7	.4	1.7	1.0	55	.1	.2	.1	76	.43	.139	4	42.8	.66	176	.148	1	2.51	.027	.15	<.1	.01	2.9	<.1	<.05	7
5200E 3550N	.7	16.7	6.0	84	.1	20.1	7.5	969	1.58	2.6	.2	<.5	.6	32	.2	.1	.1	42	.25	.109	3	24.4	.27	155	.098	1	1.73	.024	.08	<.1	.01	1.5	<.1	<.05	6
STANDARD DS3	9.0	117.8	33.2	157	.2	37.1	12.3	787	3.29	28.8	6.3	20.1	3.6	25	5.8	5.1	5.6	74	.55	.085	16	179.0	.57	147	.092	1	1.65	.037	.15	3.8	.21	2.3	1.1	<.05	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
G-1	1.3	2.5	2.2	43	<.1	4.7	3.9	505	1.82	<.5	2.4	<.5	4.8	67	<.1	<.1	.1	39	.48	.094	7	18.9	.52	231	.119	<1	.85	.072	.47	1.9	<.01	1.2	.3	<.05	5
5200E 3500N	.6	11.2	5.7	92	.1	17.6	8.2	472	2.24	1.7	.3	2.0	1.1	42	.2	.2	.1	62	.30	.066	5	30.0	.31	291	.133	2	1.59	.024	.09	<.1	.02	1.7	<.1	<.05	5
5200E 3450N	.7	9.6	5.0	95	<.1	13.8	5.5	949	2.09	1.4	.3	<.5	.7	31	.2	.3	.1	52	.30	.056	5	25.8	.30	252	.097	1	1.31	.019	.11	<.1	.01	1.6	<.1	<.05	4
5200E 3400N	.7	10.4	5.4	100	<.1	19.1	6.7	971	2.00	1.3	.2	1.0	.8	39	.1	.1	.1	50	.27	.049	4	28.3	.28	142	.103	1	1.60	.018	.10	<.1	.02	1.3	<.1	<.05	5
5200E 3350N	.5	9.4	5.5	88	.1	16.0	5.3	745	1.87	1.5	.3	39.1	1.3	33	.1	.2	.1	44	.27	.065	6	25.5	.31	147	.080	1	1.41	.015	.19	<.1	.02	1.8	<.1	<.05	4
5200E 3300N	.6	7.7	5.5	62	<.1	9.7	5.1	559	1.45	1.2	.2	<.5	.8	36	.1	.2	.1	37	.22	.037	5	19.4	.22	125	.090	<1	1.13	.019	.06	<.1	.02	1.1	<.1	<.05	3
5200E 3250N	.4	17.9	4.5	90	<.1	43.0	17.1	636	3.72	.7	.5	1.3	2.0	44	.1	<.1	.1	85	.37	.077	9	34.0	1.52	70	.261	<1	2.00	.032	.10	<.1	.01	4.9	<.1	<.05	6
5200E 3200N	.5	6.5	4.9	81	<.1	16.2	7.9	605	1.99	.5	.2	<.5	.8	29	.1	.1	.1	69	.22	.033	1	21.9	.51	77	.231	<1	1.02	.034	.07	<.1	.01	1.2	<.1	<.05	3
5200E 3150N	.5	9.6	4.2	73	.1	17.6	6.9	397	2.04	.6	.2	1.2	.7	31	.1	.2	.1	62	.20	.035	3	23.7	.39	87	.196	<1	1.22	.033	.08	<.1	.01	1.4	<.1	<.05	4
5200E 3100N	.3	19.5	6.8	214	.1	28.4	6.5	310	2.17	2.1	.5	.5	1.4	44	.2	.1	.1	41	.46	.047	7	29.4	.69	88	.141	1	2.08	.031	.07	<.1	.02	3.7	.1	<.05	5
5200E 3050N	.8	9.7	4.2	105	<.1	16.5	5.8	649	1.82	.6	.1	<.5	.7	40	.1	.1	.1	62	.39	.041	2	26.5	.35	127	.163	1	.99	.030	.13	<.1	.02	1.6	<.1	<.05	3
5200E 3000N	1.0	8.9	5.4	92	<.1	10.6	4.4	676	1.50	1.7	.2	<.5	.6	30	.2	.1	.1	39	.29	.047	3	18.8	.23	257	.092	1	1.02	.020	.10	<.1	.02	1.0	<.1	<.05	3
5200E 2950N	.4	11.4	3.6	94	<.1	14.2	5.4	447	1.81	1.4	.3	<.5	.8	40	.2	.2	.1	53	.29	.018	8	24.6	.32	107	.118	1	.98	.029	.05	<.1	.01	1.9	<.1	<.05	3
5200E 2900N	.9	22.0	6.2	81	.1	19.9	7.5	989	1.88	1.2	.5	.7	.9	55	.3	.1	.1	54	.52	.044	19	25.7	.41	270	.107	<1	1.54	.027	.09	.1	.02	3.2	.1	<.05	4
5200E 2850N	1.2	11.7	4.9	84	<.1	8.2	5.0	546	1.63	1.5	.3	.6	.8	44	.3	.1	.1	41	.67	.042	8	16.7	.23	354	.067	3	.91	.016	.13	<.1	.01	1.7	<.1	<.05	3
RE 5200E 2850N	1.1	10.5	4.9	80	<.1	8.3	4.6	496	1.62	1.3	.3	.6	.8	45	.3	.1	.1	40	.64	.040	8	17.0	.22	345	.069	3	.92	.017	.13	<.1	.02	1.9	<.1	<.05	3
5200E 2800N	.6	9.9	4.1	66	<.1	11.9	4.9	278	1.84	1.3	.3	.8	1.0	32	.2	.1	.1	50	.28	.035	6	23.1	.25	260	.101	1	1.01	.018	.10	<.1	<.01	1.8	<.1	<.05	4
5200E 2750N	1.0	19.1	4.7	121	<.1	22.4	8.5	1198	2.32	2.6	.3	<.5	1.1	66	.2	.1	.1	67	.40	.049	6	39.7	.40	213	.116	1	1.42	.026	.13	<.1	.01	2.7	.1	<.05	4
5200E 2700N	.5	15.5	3.8	100	<.1	17.6	6.5	661	2.02	1.8	.2	<.5	.9	45	.1	.1	.1	56	.39	.045	4	38.8	.33	189	.083	2	1.27	.036	.17	<.1	.01	2.6	<.1	<.05	4
5200E 2650N	1.6	14.8	4.7	128	<.1	19.7	7.9	1227	2.56	3.0	.3	3.8	1.3	55	.2	.1	.1	67	.31	.059	7	34.8	.22	238	.083	1	1.27	.029	.11	<.1	.02	3.2	.1	<.05	4
5200E 2600N	.8	11.7	4.2	78	.1	13.1	4.9	421	2.09	2.6	.2	1.2	.9	37	.1	.2	.1	50	.24	.043	4	26.2	.21	191	.080	<1	1.15	.018	.09	<.1	.01	1.9	<.1	<.05	4
5200E 2550N	.8	13.3	3.9	101	<.1	16.3	5.7	1022	2.29	3.4	.2	<.5	.8	44	.1	.2	.1	60	.30	.058	5	30.1	.21	257	.067	1	1.10	.018	.14	<.1	.01	2.3	.1	<.05	4
5200E 2500N	.7	10.5	5.3	127	<.1	8.4	4.9	1879	1.33	1.3	.1	.5	.4	47	.2	.1	.1	31	.44	.060	3	15.1	.16	462	.057	1	.92	.015	.07	<.1	.03	.9	<.1	<.05	3
5200E 2450N	.8	33.1	3.2	53	<.1	23.0	10.0	413	3.05	4.1	.5	1.5	1.5	50	.1	.2	<.1	75	.44	.046	10	35.8	.51	192	.064	1	1.60	.026	.08	<.1	.02	4.6	.1	<.05	4
5200E 2400N	.4	12.9	4.7	114	<.1	13.5	6.7	906	1.92	1.4	.2	<.5	.6	32	.2	.1	.1	46	.31	.062	3	23.6	.30	239	.092	<1	1.28	.017	.07	<.1	.01	1.3	<.1	<.05	4
5200E 2350N	.4	6.7	4.6	83	<.1	9.6	3.8	572	1.29	1.2	.2	<.5	.4	22	.1	.1	.1	30	.19	.037	3	16.9	.20	185	.076	<1	1.14	.018	.06	<.1	<.01	.9	<.1	<.05	4
5200E 2300N	.8	12.1	6.3	133	<.1	14.5	5.4	734	1.54	1.5	.2	.5	.6	42	.2	.1	.1	35	.46	.064	3	19.9	.29	263	.078	1	1.37	.017	.10	<.1	.02	1.2	<.1	<.05	4
5200E 2250N	.7	23.4	4.8	106	<.1	23.7	8.9	980	2.45	2.7	.3	1.3	1.0	56	.1	.1	.1	67	.49	.094	5	34.9	.47	327	.107	2	2.01	.023	.16	<.1	.03	2.6	.1	<.05	6
5200E 2200N	.5	30.8	4.9	67	.1	26.6	11.2	494	2.69	1.9	.7	1.7	1.3	63	.1	.1	.1	61	.64	.035	9	37.1	.65	256	.112	3	2.12	.038	.07	<.1	.02	3.5	<.1	<.05	6
5200E 2150N	.6	34.9	3.5	59	<.1	37.2	15.1	627	3.54	5.6	.4	4.8	1.6	88	.1	.4	.1	87	.75	.077	11	47.5	1.02	193	.098	2	1.44	.066	.06	<.1	.02	5.1	.1	<.05	4
5200E 2100N	1.0	26.8	4.1	75	<.1	31.9	12.1	646	3.38	5.0	.4	2.3	1.6	85	.1	.3	.1	86	.67	.084	11	40.7	.69	243	.092	2	1.48	.057	.09	.1	.02	4.7	.1	<.05	4
5200E 2050N	.8	29.5	4.5	60	<.1	33.3	13.3	652	3.42	5.8	.5	10.9	1.6	82	<.1	.3	.1	86	.67	.077	12	41.6	.75	240	.100	2	1.68	.049	.15	<.1	.03	5.0	.1	<.05	4
5200E 2000N	.7	36.4	4.7	70	.1	38.0	16.1	912	3.32	6.2	.6	4.7	1.4	90	.2	.3	.1	86	.77	.086	14	39.9	.84	248	.095	2	1.66	.053	.15	<.1	.04	5.3	.1	<.05	5
5600E 4550N	.4	39.7	4.5	86	.2	56.1	19.7	619	4.35	5.5	.7	2.0	2.5	95	.2	.2	.1	91	.80	.033	8	54.0	1.31	107	.161	1	2.73	.063	.11	<.1	.03	8.0	.1	<.05	7
STANDARD DS3	9.2	118.3	32.4	160	.3	34.7	11.3	781	3.33	29.5	6.3	22.0	3.6	26	6.1	5.3	5.6	69	.51	.092	17	179.4	.54	146	.085	1	1.65	.034	.14	3.7	.21	2.3	1.2	<.05	6

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
G-1	1.5	2.7	2.4	42	<.1	4.7	3.8	495	1.86	<.5	2.0	.7	4.6	73	<.1	<.1	.1	39	.51	.095	8	29.2	.51	205	.120	1	.85	.074	.42	1.1	<.01	1.4	.3	<.05	5
5600E 4500N	.5	24.4	5.5	72	.1	31.9	11.3	670	2.68	3.4	.7	<.5	1.4	82	.1	.2	.1	78	.80	.071	17	36.0	.54	104	.145	2	1.97	.044	.08	<.1	.02	3.2	<.1	<.05	6
5600E 4450N	.5	15.1	4.2	57	<.1	32.7	10.8	423	2.79	2.3	.3	1.0	1.1	60	.1	.2	.1	71	.39	.121	3	39.8	.50	97	.152	2	2.38	.034	.08	<.1	.02	2.4	<.1	<.05	7
5600E 4400N	.6	31.9	4.0	66	.1	52.8	16.4	467	4.20	3.8	.7	1.2	1.9	95	.1	.4	.1	105	.65	.101	17	58.6	1.04	117	.174	1	3.03	.038	.15	.1	.02	7.7	.1	<.05	8
5600E 4350N	.6	25.0	4.6	53	.1	45.9	17.3	363	3.59	2.2	.4	1.4	1.5	104	.1	.2	.1	95	.59	.058	6	51.7	.91	95	.153	1	2.44	.049	.08	<.1	.03	4.6	<.1	<.05	7
5600E 4300N	.9	39.1	4.6	59	.1	56.6	17.7	802	3.74	4.4	2.1	2.0	1.9	108	.1	.4	.1	86	1.05	.057	20	50.3	1.17	139	.121	2	2.67	.062	.08	<.1	.04	6.7	.1	<.05	7
5600E 4250N	.6	17.5	5.5	69	.1	29.3	10.3	216	2.61	3.3	.4	.7	1.2	49	.1	.1	.1	53	.34	.266	4	32.8	.49	132	.111	<1	2.57	.020	.08	<.1	.01	2.6	<.1	<.05	8
5600E 4200N	1.5	16.5	5.1	87	.1	27.8	10.0	660	2.26	4.9	.3	2.0	.9	63	.1	.2	.1	51	.56	.284	4	29.5	.49	131	.101	1	2.27	.026	.06	<.1	.03	2.3	<.1	<.05	7
5600E 4150N	.6	25.6	4.1	77	.1	47.0	15.6	391	3.38	5.0	.5	.9	1.5	88	.1	.2	.1	84	.62	.260	7	43.4	.76	153	.130	1	2.89	.044	.08	<.1	.03	4.3	<.1	<.05	8
5600E 4100N	.5	29.0	4.4	58	<.1	51.6	18.5	401	3.78	3.2	.5	.8	1.9	91	.1	.3	.1	99	.52	.087	8	48.1	1.26	103	.152	1	2.51	.038	.08	<.1	.02	5.3	<.1	<.05	8
5600E 4050N	.6	22.0	3.8	50	<.1	42.0	14.1	250	3.35	3.1	.6	1.2	1.6	108	.1	.3	.1	79	.92	.111	7	42.7	.85	110	.126	1	2.17	.049	.09	<.1	.02	5.0	<.1	<.05	6
5600E 4000N	.7	19.7	5.3	57	.1	32.1	12.2	337	2.78	3.5	.4	.6	1.1	47	.1	.2	.1	69	.35	.191	4	37.8	.51	120	.132	1	2.46	.023	.09	<.1	.02	2.5	<.1	<.05	8
5600E 3950N	.7	14.9	4.3	51	.1	25.7	9.4	209	2.55	3.6	.3	<.5	1.0	46	<.1	.2	.1	63	.29	.180	3	32.9	.42	100	.113	1	2.20	.025	.06	<.1	.01	2.5	<.1	<.05	7
5600E 3900N	.3	17.4	5.1	35	.1	23.1	9.2	368	2.53	1.6	.5	2.2	1.2	54	.1	.2	.1	63	.56	.022	6	35.3	.52	78	.119	2	1.80	.041	.07	<.1	.02	3.6	<.1	<.05	5
5600E 3850N	.5	14.1	4.8	82	.1	29.3	8.3	299	2.10	2.7	.3	.7	1.1	40	.1	.2	.1	47	.33	.202	3	25.6	.39	123	.094	<1	2.26	.020	.08	<.1	.02	2.0	<.1	<.05	7
5600E 3800N	.5	14.1	4.4	75	.1	23.3	7.7	692	2.00	2.6	.3	.6	.8	36	.1	.2	.1	49	.29	.105	3	26.8	.38	135	.102	2	1.66	.024	.12	<.1	.01	1.9	<.1	<.05	5
5600E 3750N	1.7	18.6	4.9	94	.1	26.5	10.1	739	2.55	3.3	.3	<.5	1.0	57	.3	.3	.1	66	.46	.093	4	38.3	.44	284	.136	1	1.74	.027	.12	<.1	.02	2.5	.3	<.05	6
5600E 3700N	.8	13.5	4.4	112	<.1	25.3	8.2	842	2.39	2.8	.3	.7	1.1	53	.1	.2	.1	58	.47	.076	4	35.1	.39	245	.128	2	1.85	.029	.14	<.1	.03	2.7	.1	<.05	5
5600E 3650N	.7	18.1	4.4	121	.1	27.5	8.1	582	2.45	2.6	.3	<.5	1.2	44	.1	.3	.1	55	.41	.079	5	32.5	.45	245	.124	1	1.80	.027	.14	<.1	.02	2.7	.1	<.05	6
5600E 3600N	1.8	15.5	5.7	77	.1	20.8	7.7	498	2.57	7.0	.6	.5	1.1	55	.1	.7	.1	66	.37	.077	4	32.4	.26	523	.115	2	1.28	.028	.09	<.1	.02	3.1	.1	<.05	5
5600E 3550N	.7	15.3	4.0	73	.1	23.8	7.9	654	2.57	3.7	.4	<.5	1.0	47	.1	.3	.1	61	.50	.067	4	33.3	.38	508	.124	2	1.64	.037	.14	<.1	.07	2.7	.1	<.05	5
RE 5600E 3550N	.7	15.4	4.0	72	.1	24.4	7.8	610	2.48	3.9	.3	<.5	1.0	48	.1	.4	.1	65	.47	.069	4	33.6	.39	506	.123	2	1.54	.038	.13	<.1	.02	2.8	.1	<.05	5
5600E 3500N	.6	14.7	4.3	76	.1	25.7	7.5	540	2.25	3.1	.3	<.5	1.1	39	.1	.2	.1	54	.34	.072	4	30.5	.37	626	.112	2	1.71	.031	.10	<.1	.04	2.3	.1	<.05	6
5600E 3450N	.6	8.3	5.5	74	<.1	9.6	3.9	797	1.20	3.8	.2	<.5	.5	35	.2	.2	.1	29	.51	.054	3	12.9	.14	590	.060	1	.87	.023	.07	<.1	.02	1.3	.1	<.05	3
5600E 3400N	.5	30.4	5.3	104	.1	31.1	11.9	893	2.97	3.0	.9	.5	1.2	70	.2	.3	.1	51	.94	.040	15	29.3	.61	211	.084	5	1.81	.037	.07	<.1	.03	4.7	.1	<.05	5
5600E 3350N	.7	23.1	3.5	78	<.1	46.6	14.2	298	3.85	4.0	.4	<.5	1.6	49	<.1	.2	.1	93	.39	.067	7	46.5	.89	102	.164	1	1.88	.036	.08	<.1	.01	4.4	<.1	<.05	6
5600E 3300N	.9	15.0	3.8	79	<.1	24.8	9.5	427	2.62	2.7	.3	<.5	1.1	38	.1	.1	.1	66	.31	.047	4	33.4	.51	109	.140	2	1.32	.033	.11	<.1	.01	2.6	<.1	<.05	4
5600E 3250N	.9	15.3	3.9	69	<.1	25.7	9.4	281	2.61	3.3	.3	.5	1.1	51	.1	.2	.1	71	.36	.059	5	30.8	.50	134	.156	3	1.39	.036	.14	<.1	.01	2.4	<.1	<.05	4
5600E 3150N	.9	21.3	4.4	136	.1	24.1	10.2	574	2.49	3.8	.4	<.5	1.0	46	.3	.2	.1	62	.37	.078	6	30.1	.47	175	.115	2	1.43	.037	.13	<.1	.02	2.7	.1	<.05	5
5600E 3100N	.9	19.9	4.6	94	.1	27.0	11.6	599	2.85	2.8	.7	.5	1.2	56	.2	.2	.1	73	.54	.056	6	31.6	.58	167	.155	3	1.45	.042	.09	<.1	.02	2.8	<.1	<.05	5
5600E 3050N	.7	10.6	6.0	78	<.1	14.8	5.7	416	2.25	3.1	.2	.8	.7	39	.1	.2	.1	61	.26	.024	3	28.1	.26	223	.107	2	1.32	.030	.08	<.1	.03	1.8	.1	<.05	5
5600E 3000N	.6	14.6	3.9	108	<.1	25.4	8.6	553	2.63	2.2	.2	<.5	.9	53	.2	.2	.1	69	.42	.048	4	43.4	.48	199	.119	2	1.49	.040	.15	<.1	.02	2.5	<.1	<.05	5
5600E 2950N	.6	15.2	4.0	109	<.1	25.6	10.1	390	2.64	2.5	.3	<.5	.9	40	.1	.2	.1	60	.34	.057	4	30.3	.62	191	.132	1	1.49	.037	.08	<.1	.03	2.4	<.1	<.05	5
STANDARD DS3	9.4	123.3	32.5	157	.3	36.5	11.9	802	3.18	30.0	6.3	20.5	3.6	27	6.1	5.5	5.7	72	.52	.092	17	177.7	.56	140	.091	1	1.65	.036	.15	3.7	.23	2.4	1.1	<.05	6

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
G-1	1.1	1.5	2.0	40	<.1	4.0	3.7	475	1.62	<.5	2.4	<.5	4.9	60	<.1	<.1	.1	35	.47	.097	7	11.2	.52	207	.119	<1	.80	.059	.42	2.4	.01	1.2	.3	<.05	5
5600E 2900N	.7	15.1	3.8	64	<.1	19.1	8.3	480	2.16	2.1	.4	2.5	1.0	41	.1	.2	.1	55	.42	.023	6	26.8	.48	314	.101	1	1.28	.023	.13	<.1	.02	2.6	<.1	<.05	4
5600E 2850N	.7	18.2	6.1	211	.1	18.2	7.0	972	1.72	2.4	.3	2.5	.5	64	.6	.2	.1	44	.84	.099	5	19.9	.37	590	.085	5	1.31	.016	.10	<.1	.06	1.5	<.1	<.05	5
5600E 2800N	.5	18.7	4.1	97	.1	20.1	8.6	457	2.74	2.1	.4	7.2	1.3	61	.1	.2	.1	94	.57	.042	4	27.3	.57	334	.195	2	1.78	.042	.10	<.1	.02	3.0	<.1	<.05	6
5600E 2750N	.6	27.6	4.8	80	.1	37.5	12.7	648	2.99	3.7	.4	13.1	1.7	69	.1	.2	.1	77	.59	.069	12	39.4	.67	262	.116	2	1.57	.031	.10	<.1	.03	5.1	.1	<.05	5
5600E 2700N	.5	18.7	5.4	72	.1	23.6	7.7	389	1.94	1.7	.4	4.7	1.1	44	.1	.1	.1	43	.46	.044	8	28.7	.41	205	.098	3	1.80	.029	.06	<.1	.03	2.8	<.1	<.05	5
5600E 2650N	.3	38.4	6.1	107	.1	29.3	10.7	870	2.60	1.2	.4	1.8	2.1	76	.2	.2	.1	50	.84	.018	16	28.3	.66	187	.097	6	2.07	.039	.05	<.1	.03	4.6	.1	<.05	6
5600E 2600N	.5	15.8	3.6	79	.1	19.3	6.5	534	2.14	2.2	.3	.6	1.1	60	.1	.2	.1	61	.40	.057	5	35.0	.35	167	.102	1	1.33	.022	.09	<.1	.03	2.5	<.1	<.05	4
5600E 2550N	.4	10.1	4.6	75	<.1	15.2	6.0	265	1.66	1.2	.2	<.5	.7	32	<.1	.2	.1	40	.22	.052	2	23.3	.30	122	.113	1	1.48	.020	.09	<.1	.02	1.2	<.1	<.05	5
5600E 2500N	.4	15.9	3.6	55	.1	20.4	6.8	251	2.26	1.0	.3	9.4	1.1	48	<.1	.2	.1	67	.37	.028	7	41.8	.37	124	.128	2	1.37	.038	.08	<.1	.02	2.6	<.1	<.05	4
5600E 2450N	.4	15.7	4.1	100	.1	18.8	5.7	220	1.82	1.8	.3	<.5	1.0	30	<.1	.1	.1	41	.23	.143	4	21.4	.32	197	.091	1	1.76	.017	.08	<.1	.02	1.8	<.1	<.05	6
5600E 2400N	.5	13.4	3.8	96	<.1	12.4	5.4	671	1.75	.7	.3	1.3	1.0	33	.1	.1	.1	52	.31	.046	3	21.7	.28	186	.097	1	1.16	.017	.09	<.1	.01	1.4	<.1	<.05	4
5600E 2350N	.4	9.5	5.0	88	<.1	13.1	5.1	698	1.63	1.5	.2	<.5	.8	37	.1	.1	.1	40	.33	.052	3	22.1	.22	196	.100	1	1.33	.022	.12	<.1	.02	1.4	<.1	<.05	4
RE 5600E 2350N	.4	10.1	5.1	87	<.1	13.8	4.9	696	1.57	1.0	.2	.5	.8	36	.1	.1	.1	42	.31	.053	3	22.9	.23	198	.104	3	1.33	.022	.12	<.1	.02	1.5	<.1	<.05	4
5600E 2300N	.5	30.5	3.1	51	<.1	32.5	13.1	522	3.29	5.5	.4	1.8	1.7	84	<.1	.3	<.1	91	.65	.087	13	46.1	.77	175	.093	2	1.96	.044	.08	<.1	.04	7.0	.1	<.05	5
5600E 2250N	.4	10.6	4.0	66	<.1	11.1	4.3	423	1.58	1.0	.3	.7	.7	43	.1	.2	.1	43	.41	.022	6	23.1	.26	106	.087	1	1.22	.028	.07	<.1	.02	1.9	<.1	<.05	3
5600E 2200N	.5	24.9	4.1	60	<.1	26.2	10.7	498	2.74	3.9	.4	<.5	1.4	55	.1	.2	.1	75	.42	.076	9	36.4	.53	190	.088	2	1.54	.025	.11	<.1	.03	4.0	<.1	<.05	5
5600E 2150N	.4	17.7	4.5	57	.1	18.9	8.2	506	2.05	1.6	.3	.9	.8	49	.1	.2	.1	57	.43	.043	5	32.1	.44	189	.106	2	1.41	.029	.11	<.1	.02	2.4	<.1	<.05	4
5600E 2100N	.3	18.3	3.5	40	<.1	19.1	8.7	259	2.20	1.6	.4	<.5	1.3	56	.1	.2	.1	60	.41	.050	5	36.3	.59	136	.127	1	1.60	.039	.07	<.1	.02	2.6	<.1	<.05	5
5600E 2050N	.5	24.6	3.8	65	.1	26.6	10.2	472	2.40	5.1	.3	1.7	1.4	36	<.1	.2	.1	63	.27	.189	5	33.4	.52	131	.104	<1	2.29	.021	.09	<.1	.02	2.5	<.1	<.05	7
5600E 2000N	.3	31.2	3.5	47	<.1	36.4	13.4	527	2.95	2.1	.4	.6	1.7	91	.1	.3	.1	91	.70	.046	11	44.6	.84	120	.120	1	1.48	.076	.14	<.1	.03	4.2	<.1	<.05	5
6000E 4500N	.4	17.3	4.6	59	.1	28.2	11.2	363	2.22	1.6	.4	<.5	.7	73	.1	.1	.1	64	.60	.085	6	39.7	.52	93	.102	2	1.88	.031	.06	.1	.04	2.8	<.1	<.05	5
6000E 4450N	.6	16.2	4.9	66	<.1	36.2	10.7	622	2.67	1.5	.3	1.4	1.0	63	.1	.1	.1	78	.38	.106	3	53.2	.53	111	.146	2	2.62	.034	.09	<.1	.02	2.5	<.1	<.05	7
6000E 4400N	.4	21.3	4.9	65	<.1	39.2	12.5	343	3.00	1.9	.3	.6	1.3	57	<.1	.2	.1	86	.35	.135	4	49.5	.60	122	.152	1	2.65	.030	.08	<.1	.02	2.9	<.1	<.05	7
6000E 4350N	.8	23.5	3.8	46	<.1	36.6	10.9	309	2.78	1.5	.4	1.2	1.4	91	.1	.2	.1	87	.59	.081	8	48.2	.67	92	.134	1	1.90	.043	.11	<.1	.01	3.7	<.1	<.05	5
6000E 4300N	.5	27.3	4.0	44	<.1	43.7	14.0	331	2.79	2.5	.5	<.5	1.1	113	.1	.2	.1	82	.97	.159	12	50.1	.85	116	.124	4	2.16	.058	.09	.1	.03	4.4	<.1	<.05	5
6000E 4250N	.5	93.1	4.9	48	.3	77.2	14.5	553	3.16	6.3	3.1	<.5	1.1	119	.5	.3	.1	82	1.39	.056	20	40.2	1.23	159	.098	3	2.82	.060	.07	<.1	.06	6.7	.1	<.05	7
6000E 4200N	.6	15.6	4.8	58	.1	32.5	11.0	196	2.46	1.6	.3	.6	1.0	49	.1	.1	.1	71	.30	.139	3	37.9	.49	120	.127	<1	2.62	.031	.05	<.1	.02	2.5	<.1	<.05	8
6000E 4150N	.7	14.3	4.6	71	<.1	31.5	10.6	383	2.45	1.0	.2	.6	1.0	46	<.1	.1	.1	66	.33	.125	3	42.8	.44	116	.128	1	2.68	.032	.05	<.1	.02	2.3	<.1	<.05	7
6000E 4100N	.6	17.3	4.5	51	<.1	28.8	10.5	503	2.32	2.1	.3	2.2	1.1	59	.1	.2	.1	71	.42	.060	5	39.8	.58	102	.136	<1	1.98	.044	.07	<.1	.02	2.9	<.1	<.05	6
6000E 4050N	.5	29.6	4.8	51	.1	45.3	17.3	719	3.28	5.2	.8	.5	1.4	117	.1	.4	.1	99	1.13	.073	14	51.7	1.20	132	.103	3	2.04	.072	.06	.1	.05	5.0	.1	<.05	6
6000E 4000N	.5	15.3	4.7	55	.1	30.9	9.3	552	2.13	2.8	.3	.6	.9	54	.1	.1	.1	61	.37	.118	3	34.3	.43	127	.122	1	2.76	.025	.10	<.1	.01	2.2	<.1	<.05	7
6000E 3950N	.6	18.2	4.9	68	.1	46.6	11.8	604	2.71	1.9	.4	<.5	1.2	47	.1	.1	.1	69	.35	.087	4	38.3	.56	110	.166	1	3.60	.035	.11	<.1	.01	2.9	<.1	<.05	9
6000E 3900N	.5	15.3	4.3	45	.1	28.1	9.3	209	2.19	2.1	.3	<.5	.7	40	.1	.1	.1	55	.29	.133	3	34.8	.42	78	.116	<1	2.39	.027	.10	<.1	.03	2.0	<.1	<.05	7
STANDARD DS3	9.2	122.8	33.2	157	.3	37.4	12.5	785	3.21	30.8	6.1	22.3	3.9	28	6.1	5.4	5.4	74	.52	.097	18	177.6	.62	144	.096	2	1.73	.035	.15	4.0	.23	2.5	1.2	<.05	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
G-1	1.4	2.6	2.5	44	<.1	4.4	3.8	500	1.76	<.5	2.1	.7	5.0	73	<.1	<.1	.1	40	.56	.095	8	31.1	.56	213	.120	<1	.89	.077	.45	.9	.01	1.4	.3	<.05	5
6000E 3850N	.6	14.7	5.1	87	<.1	30.7	9.6	722	2.36	2.2	.2	.6	1.0	65	.1	.1	.1	56	.44	.139	3	36.6	.44	119	.139	1	2.48	.037	.14	<.1	.01	2.3	<.1	<.05	7
6000E 3800N	.6	13.3	5.0	89	<.1	29.7	9.2	590	2.25	2.0	.2	2.4	.9	40	.1	.1	.1	64	.27	.089	3	40.0	.39	144	.145	1	2.34	.032	.06	<.1	.01	1.8	<.1	<.05	7
6000E 3750N	.5	20.0	4.4	65	<.1	37.4	12.0	625	3.10	2.6	.4	6.6	1.4	85	.1	.2	.1	94	.51	.053	7	57.6	.62	101	.158	1	2.03	.048	.10	<.1	.02	4.1	<.1	<.05	6
6000E 3700N	.4	18.0	4.1	80	<.1	26.6	8.1	488	2.47	1.4	.3	1.3	1.1	77	.1	.2	.1	67	.56	.079	5	43.9	.47	116	.138	2	1.75	.048	.13	<.1	.01	2.9	<.1	<.05	5
6000E 3650N	.6	16.1	4.8	82	<.1	18.1	7.5	537	1.92	1.5	.2	1.1	.7	46	.1	.1	.1	53	.31	.059	4	33.3	.30	96	.130	1	1.50	.035	.10	<.1	.01	1.9	<.1	<.05	5
6000E 3600N	1.1	16.0	3.8	45	<.1	25.3	9.3	338	2.39	1.8	.3	<.5	.8	61	.1	.2	.1	76	.38	.062	5	48.3	.49	80	.140	1	1.71	.045	.10	<.1	.02	2.6	<.1	<.05	5
6000E 3550N	.8	17.9	4.4	62	<.1	29.1	10.0	508	2.52	2.3	.4	6.7	1.0	60	.1	.2	.1	70	.49	.114	6	42.6	.51	97	.134	2	1.97	.040	.13	<.1	.02	2.8	<.1	<.05	5
6000E 3500N	.4	14.0	4.1	70	<.1	26.1	7.3	408	2.60	1.5	.3	<.5	1.1	61	.1	.2	.1	80	.43	.037	4	50.5	.44	100	.176	1	1.77	.045	.11	<.1	.01	2.9	<.1	<.05	5
6000E 3450N	.8	21.8	4.6	54	.1	26.9	10.5	393	2.70	2.0	.5	1.9	1.3	57	.1	.2	.1	77	.48	.048	8	38.0	.50	95	.145	1	1.43	.038	.08	<.1	.01	3.4	<.1	<.05	4
6000E 3400N	.8	13.2	4.6	51	<.1	21.4	8.1	541	2.15	1.0	.3	.7	.9	51	.1	.1	.1	61	.37	.038	4	39.0	.39	115	.142	2	1.44	.043	.11	<.1	.02	2.2	<.1	<.05	4
6000E 3350N	.6	20.1	4.9	43	<.1	27.6	11.2	422	2.57	1.7	.5	<.5	1.2	63	.1	.2	.1	74	.52	.022	8	46.3	.59	142	.136	2	1.61	.054	.09	<.1	.03	3.0	<.1	<.05	5
6000E 3300N	.7	20.4	4.4	95	.1	35.5	11.7	766	2.42	2.2	.4	<.5	1.1	57	.1	.1	.1	61	.45	.205	6	39.8	.55	142	.099	<1	2.44	.030	.11	<.1	.02	3.2	<.1	<.05	7
6000E 3250N	.5	12.7	4.6	50	<.1	21.3	8.3	477	2.24	1.0	.2	<.5	1.0	50	<.1	.1	.1	65	.27	.059	3	44.8	.35	89	.138	<1	1.70	.035	.07	<.1	.01	1.9	<.1	<.05	5
6000E 3200N	.4	15.3	5.0	103	.1	28.1	9.6	818	2.10	1.4	.3	<.5	1.2	55	<.1	.1	.1	52	.46	.212	4	34.6	.40	175	.122	1	2.40	.026	.14	<.1	.02	2.3	<.1	<.05	7
RE 6000E 3200N	.5	15.4	4.9	101	.1	27.0	9.7	860	2.07	1.3	.3	.7	1.1	52	<.1	.1	.1	50	.43	.198	3	34.7	.41	176	.111	1	2.27	.024	.14	<.1	.01	2.3	<.1	<.05	7
6000E 3150N	.4	13.8	4.2	92	<.1	28.7	8.8	501	2.19	1.9	.3	2.2	.9	50	.1	.1	.1	60	.36	.186	3	37.5	.41	147	.110	<1	2.31	.031	.14	<.1	.01	2.4	<.1	<.05	6
6000E 3100N	.3	23.7	4.2	49	<.1	45.9	17.7	1167	3.08	2.5	.3	1.1	1.7	105	.1	.2	<.1	80	1.23	.045	10	51.4	1.05	313	.130	5	1.68	.082	.09	<.1	.05	5.0	.1	<.05	5
6000E 3050N	.5	44.2	4.3	71	.1	58.8	19.2	910	3.58	2.6	.7	<.5	1.7	118	.1	.2	.1	92	1.23	.060	17	50.4	1.17	123	.119	3	2.00	.070	.11	<.1	.04	6.5	<.1	<.05	6
6000E 3000N	.6	28.5	4.1	54	.1	41.0	13.2	704	2.45	2.6	.7	<.5	1.4	106	.1	.2	.1	76	.97	.121	14	45.3	.61	187	.103	3	1.73	.043	.16	<.1	.03	4.2	<.1	<.05	5
6000E 2950N	.4	11.9	3.6	51	<.1	19.3	7.5	288	2.06	.9	.3	<.5	1.0	49	<.1	.1	.1	60	.29	.045	3	31.9	.38	75	.123	2	1.26	.042	.09	<.1	.01	2.1	<.1	<.05	4
6000E 2900N	.8	16.3	4.4	51	<.1	28.8	9.5	220	2.32	1.3	.3	<.5	.9	52	.1	.1	.1	65	.33	.120	3	43.1	.46	97	.128	1	1.90	.036	.11	<.1	.04	2.7	<.1	<.05	6
6000E 2850N	1.2	12.1	5.7	85	.1	21.9	7.8	752	1.74	1.1	.2	<.5	.9	32	.1	.1	.1	40	.25	.168	2	28.0	.28	137	.115	2	2.05	.027	.14	<.1	.02	1.7	<.1	<.05	7
6000E 2800N	.6	11.3	5.6	122	.1	25.1	7.0	1262	1.46	1.5	.2	30.4	1.2	21	.1	.1	.1	31	.18	.190	2	20.7	.23	163	.103	1	2.27	.022	.08	<.1	.02	1.6	<.1	<.05	7
6000E 2750N	.5	14.4	4.4	86	.1	32.8	10.0	591	2.21	1.6	.3	<.5	1.1	44	.1	.1	.1	60	.32	.179	4	38.2	.45	143	.100	<1	2.53	.028	.11	<.1	.01	2.5	<.1	<.05	7
6000E 2700N	.4	10.2	4.3	58	<.1	17.9	6.8	435	1.83	.5	.2	<.5	.8	47	<.1	.1	.1	54	.27	.040	2	37.2	.27	97	.150	<1	1.50	.044	.09	<.1	.01	1.8	<.1	<.05	4
6000E 2650N	.3	24.6	5.2	78	.1	32.0	9.3	384	2.44	1.7	1.5	1.4	1.6	81	.1	.2	.1	63	.72	.035	12	43.4	.56	115	.127	<1	1.97	.060	.08	<.1	.04	4.8	.1	<.05	5
6000E 2600N	.5	13.7	5.3	58	<.1	23.9	8.0	410	2.28	.9	.2	1.2	1.1	57	<.1	.1	.1	65	.39	.046	3	42.2	.33	134	.157	<1	1.90	.030	.09	<.1	.01	2.0	<.1	<.05	5
6000E 2550N	.5	12.5	5.4	60	.1	22.2	7.6	256	2.00	.8	.2	<.5	.9	48	.1	.1	.1	59	.26	.080	3	37.1	.32	135	.130	<1	1.87	.028	.07	<.1	.02	1.6	<.1	<.05	5
6000E 2500N	.4	18.3	7.3	136	.1	41.0	7.8	640	1.85	1.7	.4	<.5	1.4	38	.1	.1	.1	42	.37	.362	3	34.0	.34	231	.111	1	2.73	.019	.11	<.1	.02	2.0	<.1	<.05	8
6000E 2450N	.6	12.1	6.0	93	<.1	27.2	7.3	637	1.67	1.0	.3	<.5	1.0	24	.1	.1	.1	39	.14	.132	3	28.7	.26	156	.110	1	2.34	.019	.07	<.1	.02	1.5	<.1	<.05	7
6000E 2400N	.4	10.6	5.6	71	<.1	17.7	5.9	229	1.36	.7	.2	<.5	.7	26	<.1	.1	.1	36	.19	.056	3	23.2	.21	83	.101	1	1.51	.023	.07	<.1	.02	1.2	<.1	<.05	5
6000E 2350N	.6	12.8	4.7	51	<.1	23.8	7.1	490	2.14	1.1	.2	1.1	1.0	55	.1	.1	.1	63	.33	.037	3	39.1	.34	107	.133	<1	1.80	.033	.08	<.1	.01	2.1	<.1	<.05	5
6000E 2300N	.3	4.6	5.8	64	<.1	7.7	2.8	412	.99	.7	.1	<.5	.5	28	<.1	.1	.1	26	.18	.044	2	13.3	.12	98	.089	1	.88	.017	.06	<.1	.01	.7	<.1	<.05	4
STANDARD DS3	9.2	126.2	32.7	159	.3	37.2	12.2	813	3.13	30.3	6.4	19.5	3.8	28	6.0	5.4	5.8	75	.58	.093	17	184.4	.61	143	.099	1	1.67	.036	.16	3.7	.21	2.6	1.1	<.05	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
G-1	1.0	2.0	2.2	43	<.1	3.7	3.8	540	1.61	<.5	2.3	<.5	4.8	68	<.1	<.1	.2	35	.47	.090	7	10.9	.51	210	.111	1	.82	.072	.47	2.4	<.01	1.4	.3	<.05	4
6000E 2250N	.4	16.5	5.7	78	<.1	26.8	8.6	496	2.44	2.0	.3	.9	1.2	56	<.1	.1	.1	69	.31	.054	3	47.0	.38	146	.152	1	2.30	.034	.09	<.1	<.01	2.6	<.1	<.05	6
6000E 2200N	.4	15.8	4.8	50	<.1	24.9	9.1	386	2.13	1.4	.2	.5	1.2	55	<.1	.1	.1	62	.27	.062	3	41.2	.35	140	.122	1	1.84	.035	.10	<.1	.01	2.5	<.1	<.05	5
6000E 2150N	.2	14.7	5.1	58	<.1	20.3	6.9	294	1.94	1.5	.3	1.0	1.2	54	<.1	.1	.1	57	.32	.027	5	40.5	.35	94	.130	<1	1.63	.043	.06	<.1	.01	2.9	<.1	<.05	4
6000E 2100N	.4	14.8	5.5	52	.1	19.7	7.2	263	2.07	1.6	.3	<.5	.9	51	<.1	.1	.1	57	.30	.034	4	39.4	.32	108	.130	<1	1.67	.043	.07	<.1	.01	2.4	<.1	<.05	5
6000E 2050N	.5	15.6	4.7	110	.1	27.2	8.1	609	2.30	2.1	.2	<.5	1.1	51	.1	.1	.1	70	.33	.067	4	41.5	.34	171	.127	<1	1.95	.037	.10	<.1	.01	2.9	<.1	<.05	5
6000E 2000N	.4	13.2	4.7	87	.1	17.8	6.4	519	1.84	1.9	.2	3.8	.9	52	<.1	.1	.1	57	.30	.052	2	35.0	.29	192	.125	<1	1.75	.024	.08	<.1	.01	1.9	<.1	<.05	5
STANDARD DS3	9.0	120.5	32.3	155	.3	35.9	12.3	868	3.11	29.0	5.7	19.5	3.9	29	5.6	5.4	5.3	73	.50	.080	16	182.3	.57	140	.088	1	1.65	.034	.15	3.4	.22	2.8	1.0	<.05	6

Sample type: SOIL SS80 60C.

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 PV02-2 File # A202842

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
SI	.3	1.2	12.8	20	.1	.5	<.1	7	.06	1.5	<.1	1.2	<.1	3	.1	.4	<.1	3	.13	<.001	<1	3.6	<.01	45	<.001	<1	.01	.500	.01	.7	.01	.2	<.1	.07	<1
PV02-R14	4.5	5.3	1.7	8	.7	5.2	1.5	99	.63	51.4	.1	282.6	.2	8	<.1	.9	<.1	8	.05	.013	1	25.0	.01	18	.001	<1	.11	.003	.05	3.3	.02	.9	<.1	<.05	<1
STANDARD DS3	9.9	124.5	33.0	158	.3	39.4	12.6	827	3.36	36.0	6.3	22.0	3.8	28	6.2	5.2	5.7	78	.56	.091	18	177.9	.61	145	.090	1	1.78	.034	.16	4.1	.22	3.8	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: ROCK R150 60C

DATE RECEIVED: AUG 7 2002 **DATE REPORT MAILED:** Aug 19/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data N/A ___

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 PV02-2 File # A202843 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	1.1	2.2	3.5	37	<.1	3.7	4.1	527	1.66	.7	2.8	.5	4.8	71	<.1	<.1	.1	46	.56	.093	8	11.4	.54	234	.121	2	.89	.067	.50	2.2	.01	2.1	.3	.10	4
2150E 4250N	.4	22.9	3.9	51	.1	24.8	10.3	383	2.98	3.4	.4	1.3	1.3	84	.1	.3	.1	100	.58	.064	8	48.9	.52	133	.165	3	1.96	.049	.24	.1	.02	5.4	.1	.06	5
2150E 4225N	.3	18.3	4.9	57	<.1	29.0	8.6	249	2.83	1.9	.3	2.3	1.4	67	.1	.3	.1	76	.40	.068	5	42.6	.43	156	.161	2	2.71	.036	.16	<.1	.02	4.0	<.1	.06	7
2150E 4200N	.4	18.5	3.6	56	<.1	21.4	8.5	285	2.88	2.3	.3	1.9	1.1	63	.1	.2	.1	90	.38	.051	4	47.4	.40	102	.170	3	1.94	.034	.15	.1	<.01	3.7	<.1	<.05	5
2150E 4175N	.4	18.5	3.5	50	<.1	18.2	8.8	351	2.67	2.4	.3	.9	1.0	68	.1	.2	.1	91	.43	.036	4	45.1	.42	118	.163	1	1.62	.040	.12	<.1	.04	3.6	<.1	.06	5
2150E 4150N	.4	14.3	3.5	55	<.1	16.0	6.9	272	2.51	2.0	.3	.8	.9	61	.1	.3	.1	83	.42	.044	4	45.6	.37	93	.161	2	1.73	.040	.15	<.1	.01	3.4	<.1	<.05	4
2200E 4225N	.5	26.2	4.0	53	.1	30.7	11.7	385	3.07	4.2	.4	1.7	1.4	90	<.1	.2	.1	93	.54	.064	8	49.5	.69	145	.142	1	2.45	.041	.19	<.1	.02	6.3	.1	<.05	6
RE 2200E 4225N	.5	27.9	3.8	54	.1	32.5	12.3	388	3.22	4.3	.4	1.8	1.4	88	<.1	.2	.1	94	.53	.062	8	47.2	.69	140	.134	1	2.40	.039	.18	<.1	.02	5.9	<.1	<.05	6
2200E 4175N	.3	19.8	3.3	56	<.1	24.0	9.5	282	2.97	2.3	.3	3.5	1.1	61	.1	.2	.1	87	.41	.053	5	46.9	.46	124	.159	<1	2.17	.037	.13	.1	.06	4.2	<.1	<.05	6
2250E 4250N	.7	47.4	5.2	105	.2	30.2	14.5	1032	2.93	8.8	1.1	2.0	.6	145	.5	.2	.1	72	1.43	.109	15	34.3	.77	204	.055	8	2.23	.038	.11	<.1	.03	6.5	.1	.08	6
2250E 4225N	.7	33.9	5.3	77	.1	31.3	15.2	1006	3.23	6.6	.9	1.7	1.2	99	.2	.3	.1	83	.68	.055	14	43.6	.83	209	.103	2	2.74	.037	.18	.1	.02	8.0	.1	<.05	6
2250E 4200N	.2	21.4	3.9	59	<.1	26.0	8.8	311	2.93	2.8	.3	.5	1.2	72	<.1	.2	.1	86	.40	.049	5	45.8	.56	150	.152	<1	2.02	.041	.16	<.1	.02	4.7	<.1	<.05	5
2250E 4175N	.5	25.9	4.1	57	<.1	31.6	12.5	314	3.28	3.7	.5	<.5	1.4	81	.1	.3	.1	106	.46	.054	6	54.0	.66	135	.166	2	2.40	.033	.16	<.1	.01	4.9	<.1	<.05	6
2250E 4150N	.5	23.6	4.0	60	<.1	29.8	11.3	411	3.23	3.1	.3	.7	1.2	76	<.1	.2	.1	97	.50	.057	5	50.2	.61	132	.157	1	2.45	.036	.16	<.1	.02	4.8	<.1	<.05	6
2350E 3850N	.1	35.6	5.8	65	.1	31.4	10.6	569	3.14	4.8	1.1	.6	1.6	92	.1	.2	.1	61	.97	.030	15	42.6	.83	105	.144	4	2.88	.055	.07	.1	.03	8.5	.1	<.05	7
2350E 3825N	.3	16.6	4.6	46	.1	17.0	7.6	236	2.34	2.2	.5	1.1	1.0	61	<.1	.2	.1	66	.50	.028	7	36.0	.43	86	.152	3	2.07	.044	.08	<.1	.01	3.7	<.1	<.05	5
2350E 3800N	.4	31.8	3.3	55	.1	35.2	13.4	500	3.67	5.7	1.0	2.3	1.5	109	<.1	.3	.1	88	.94	.031	13	53.0	.87	121	.149	3	2.50	.062	.08	<.1	.05	10.0	.1	<.05	6
2350E 3775N	.4	17.5	4.2	70	.1	29.1	10.1	328	2.99	2.6	.3	.7	1.1	69	.1	.4	.1	72	.42	.172	4	42.9	.55	150	.141	1	3.08	.025	.13	.1	.02	3.9	<.1	<.05	8
2350E 3750N	.5	16.1	3.6	52	.1	24.1	9.9	262	2.60	1.9	.3	.6	.7	59	<.1	.4	.1	75	.33	.062	3	40.8	.50	97	.142	1	2.48	.028	.09	<.1	.02	2.8	<.1	<.05	6
2350E 3725N	.2	19.1	5.1	42	.1	18.6	7.0	269	1.99	2.9	.5	.7	1.0	57	<.1	.3	.1	64	.44	.023	8	35.9	.47	80	.149	2	1.99	.042	.06	<.1	.01	3.9	.1	<.05	5
2350E 3700N	.3	21.5	4.7	51	.1	18.7	9.2	304	2.36	2.3	.7	5.5	.9	66	.1	.4	.1	60	.62	.022	7	35.7	.53	79	.123	2	1.95	.048	.06	<.1	.02	3.9	<.1	<.05	5
2350E 3675N	.4	30.2	3.4	37	.1	27.8	12.3	354	2.92	5.1	.5	2.1	1.3	76	<.1	.4	.1	84	.51	.052	8	46.2	.85	94	.135	2	2.28	.041	.11	.1	.02	6.2	<.1	<.05	6
2350E 3650N	.5	20.7	4.4	72	.1	24.0	11.1	642	2.55	4.0	.3	1.9	1.1	45	<.1	.4	.1	69	.37	.179	4	38.1	.53	152	.126	1	2.27	.025	.12	.1	.01	3.6	<.1	<.05	6
2400E 3825N	.3	12.4	4.8	53	.1	14.2	6.1	166	1.67	2.1	.2	1.1	.8	43	<.1	.1	.1	46	.34	.150	3	25.8	.26	110	.107	4	1.92	.025	.09	<.1	.01	2.5	<.1	<.05	6
2400E 3775N	.2	58.5	4.7	40	.2	34.1	9.3	263	2.65	5.5	1.6	.8	1.3	71	.1	.3	.1	61	.78	.030	21	41.7	.62	99	.128	3	3.09	.046	.06	<.1	.03	6.3	<.1	<.05	7
2400E 3725N	.4	32.6	6.3	110	.2	24.3	7.6	522	2.26	5.8	1.3	1.9	1.5	63	.1	.2	.1	45	.74	.043	9	29.7	.46	95	.086	3	3.03	.039	.05	.1	.05	8.3	.1	<.05	7
2400E 3675N	.5	61.4	5.4	94	.3	39.4	10.2	1502	3.02	10.0	1.6	16.1	1.6	99	.3	.4	.1	62	1.38	.048	25	41.1	.81	136	.093	4	3.29	.046	.07	<.1	.07	9.7	.1	<.05	8
2450E 3850N	.4	38.5	3.4	46	<.1	38.8	14.2	612	3.51	8.1	.4	3.2	1.5	122	<.1	.4	.1	105	.87	.098	13	49.5	1.05	139	.133	4	2.19	.077	.07	<.1	.09	7.6	<.1	<.05	6
2450E 3825N	.2	15.5	3.8	51	.1	23.0	7.8	283	2.25	1.6	.3	1.1	.9	49	.1	.1	.1	63	.29	.063	3	38.4	.42	128	.135	3	2.33	.031	.07	<.1	.01	2.8	<.1	<.05	6
2450E 3800N	.4	16.5	4.6	76	.1	24.4	8.1	412	2.09	2.6	.3	1.0	1.0	45	<.1	.2	.1	56	.35	.153	3	33.0	.38	155	.121	3	2.50	.026	.09	<.1	.02	2.8	<.1	<.05	7
2450E 3775N	.3	16.6	3.3	48	.1	24.7	8.9	358	2.56	2.6	.2	<.5	.9	60	<.1	.2	.1	73	.42	.084	3	40.4	.46	119	.144	2	2.37	.032	.18	<.1	.03	3.2	<.1	<.05	6
2450E 3750N	.4	14.8	5.3	45	.1	17.6	6.4	583	1.69	2.4	.3	1.7	.8	60	<.1	.2	.1	50	.47	.056	5	27.8	.43	108	.112	5	1.88	.034	.05	<.1	.04	3.1	<.1	<.05	5
2450E 3725N	.4	21.3	3.6	71	.1	28.9	10.8	704	2.63	3.3	.3	<.5	1.0	65	<.1	.2	.1	78	.42	.113	5	44.2	.52	132	.137	4	2.60	.028	.11	<.1	.02	4.0	<.1	<.05	6
2450E 3700N	.6	17.7	3.6	50	.1	29.6	10.4	361	2.79	2.3	.2	<.5	1.0	53	.1	.3	.1	76	.37	.057	3	43.1	.52	112	.149	2	2.50	.033	.09	<.1	.01	3.2	<.1	<.05	6
STANDARD DS3	8.9	132.3	32.7	157	.3	35.6	12.3	761	3.39	31.8	6.6	18.8	4.2	28	5.9	5.3	5.4	82	.60	.091	19	190.1	.61	155	.084	3	1.95	.035	.16	3.6	.25	3.7	1.2	<.05	7

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: AUG 7 2002 DATE REPORT MAILED: Aug 22/02 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
G-1	1.2	2.2	2.2	42	<.1	4.1	3.9	499	1.63	<.5	2.8	.5	4.5	65	<.1	<.1	.1	42	.55	.101	7	11.9	.56	220	.124	1	.91	.067	.50	2.4	.01	2.1	.3	.22	5
2450E 3675N	.4	10.4	4.3	80	.1	17.5	6.5	347	1.47	2.2	.2	<.5	.6	28	<.1	.1	.1	42	.21	.186	3	20.3	.28	133	.086	2	1.77	.015	.07	.1	.01	1.6	<.1	.19	6
2450E 3650N	.4	20.4	4.0	86	.1	30.8	9.8	350	2.59	3.5	.3	1.0	1.1	53	.1	.3	.1	61	.37	.181	4	35.3	.54	143	.105	1	2.57	.017	.09	.1	.01	3.2	<.1	<.05	7
2550E 4200N	.4	20.1	4.4	112	.2	25.4	10.2	402	2.33	4.3	.4	<.5	.9	65	.1	.3	.1	55	.52	.272	6	32.1	.45	173	.087	<1	2.40	.017	.11	.1	.03	3.5	<.1	<.05	7
2550E 4175N	.4	14.2	3.8	60	.1	22.5	7.9	439	2.10	2.8	.3	<.5	.9	52	<.1	.3	.1	59	.37	.091	5	31.7	.41	131	.099	2	1.84	.020	.07	<.1	.02	2.8	<.1	<.05	6
2550E 4150N	.4	13.8	3.9	67	.1	23.3	8.3	390	2.05	3.1	.3	23.9	.9	51	<.1	.3	.1	56	.39	.115	4	33.2	.45	134	.087	2	2.15	.015	.11	<.1	.03	2.8	<.1	<.05	6
2550E 4125N	.4	17.3	4.4	88	.1	18.4	7.5	847	1.88	3.6	.3	1.1	.9	72	.1	.3	.1	57	.63	.030	8	30.6	.45	111	.103	1	1.54	.030	.08	<.1	.03	4.0	<.1	<.05	4
2550E 4100N	.4	16.8	3.6	46	.1	19.0	8.0	311	1.90	3.0	.3	1.0	.8	56	.1	.3	.1	54	.40	.044	9	29.6	.40	80	.088	<1	1.35	.026	.09	<.1	.03	3.1	<.1	<.05	4
2550E 4075N	.4	12.5	3.7	54	<.1	21.9	9.4	396	2.44	3.2	.3	<.5	.9	62	.1	.3	.1	67	.46	.086	4	34.5	.53	97	.118	1	1.73	.032	.12	<.1	.03	3.5	<.1	<.05	5
2550E 4050N	.5	12.7	3.9	48	.1	20.9	6.9	330	1.96	2.7	.3	.8	.8	56	<.1	.3	.1	58	.37	.053	5	31.7	.39	91	.117	2	1.50	.028	.09	<.1	.02	2.9	<.1	<.05	4
RE 2550E 4050N	.4	13.1	3.8	48	.1	18.5	7.0	324	1.87	3.1	.3	3.4	.8	54	<.1	.3	.1	57	.40	.051	5	31.7	.40	89	.115	2	1.58	.029	.10	<.1	.03	3.1	<.1	<.05	5
2550E 4025N	.3	11.2	3.2	49	.1	16.4	6.9	349	1.88	2.9	.2	6.5	.8	57	<.1	.4	.1	62	.35	.040	4	31.0	.35	92	.117	2	1.26	.030	.08	<.1	.02	2.6	<.1	<.05	4
2550E 4000N	.3	24.3	3.2	44	.1	24.8	9.2	337	2.47	6.3	.5	8.8	1.2	82	<.1	.4	.1	75	.55	.045	11	41.1	.62	97	.128	<1	1.80	.048	.08	.1	.04	5.7	<.1	<.05	5
2550E 3975N	.5	12.6	3.4	43	<.1	20.1	7.7	293	2.27	2.4	.2	1.3	.9	57	<.1	.4	.1	69	.35	.054	4	36.7	.36	90	.132	2	1.42	.029	.15	<.1	.02	3.1	<.1	<.05	4
2550E 3950N	.4	13.1	3.2	53	.1	16.6	6.8	414	1.90	2.2	.2	1.6	.7	54	.1	.3	.1	63	.40	.041	4	33.3	.32	91	.116	1	1.26	.030	.15	.1	.02	2.6	<.1	<.05	4
2600E 4175N	.5	14.9	4.0	74	.1	23.7	9.1	388	2.49	2.9	.3	.9	.8	66	.1	.3	.1	62	.50	.149	5	34.6	.43	133	.093	2	2.02	.021	.11	<.1	.01	3.1	<.1	<.05	6
2600E 4125N	.6	14.4	4.0	64	.1	25.7	8.3	475	2.26	3.4	.2	1.9	.9	76	.1	.3	.1	65	.51	.071	4	35.4	.48	122	.125	<1	1.80	.024	.18	<.1	.02	3.0	<.1	<.05	5
2600E 4075N	.5	20.4	4.5	77	.2	22.9	8.9	693	2.09	4.3	.3	<.5	1.4	81	.1	.3	.1	55	.56	.106	8	35.9	.49	162	.077	1	2.28	.022	.16	<.1	.02	4.8	.1	<.05	6
2600E 4025N	.5	16.0	3.4	67	.1	25.4	8.0	317	2.49	4.3	.3	33.6	.9	66	.1	.4	.1	68	.39	.107	4	39.1	.45	117	.122	<1	1.98	.027	.12	<.1	.01	3.6	<.1	<.05	5
2600E 3975N	.5	13.5	3.3	58	.1	19.3	7.5	616	1.81	2.5	.2	41.4	.6	49	.1	.3	<.1	56	.36	.048	6	33.1	.35	92	.111	<1	1.38	.026	.09	<.1	.02	2.7	<.1	<.05	4
2650E 4200N	.4	24.6	3.9	70	.1	34.0	12.8	611	2.94	8.2	.4	2.0	1.2	85	.1	.5	.1	82	.54	.088	10	43.7	.78	124	.088	2	1.98	.027	.10	<.1	.03	5.8	<.1	<.05	6
2650E 4175N	.5	19.2	3.9	52	.1	30.6	10.2	324	2.83	6.4	.5	5.7	1.4	85	<.1	.5	.1	75	.64	.069	10	41.9	.76	123	.095	3	2.03	.033	.19	<.1	.03	6.2	.1	<.05	5
2650E 4150N	.5	12.6	4.3	76	.1	21.0	7.2	600	1.97	3.8	.2	7.7	.8	65	<.1	.4	.1	54	.41	.101	4	33.5	.41	164	.111	2	1.96	.020	.11	<.1	.03	3.1	<.1	<.05	6
2650E 4125N	.7	17.6	3.1	51	.2	25.0	9.5	441	2.25	6.1	.3	25.4	.7	66	.1	.4	.1	60	.48	.103	6	36.9	.47	103	.092	<1	1.74	.025	.07	.1	.01	3.8	<.1	<.05	5
2650E 4100N	.6	17.9	3.3	71	.1	29.7	10.5	856	2.40	6.4	.4	17.9	.9	83	.2	.5	.1	68	.61	.090	7	39.3	.49	156	.098	2	1.63	.031	.14	.1	.04	4.4	<.1	<.05	4
2650E 4075N	.5	25.4	3.7	71	.2	37.7	12.6	569	2.97	10.7	.4	35.2	1.2	109	.1	.6	.1	78	.73	.123	9	44.6	.71	150	.105	<1	2.23	.027	.14	<.1	.04	6.2	.1	<.05	6
2650E 4050N	.5	17.9	3.7	63	.2	29.4	10.0	518	2.56	4.5	.3	134.3	1.0	70	.1	.5	.1	76	.53	.072	6	42.3	.53	109	.134	1	2.13	.030	.16	.1	.03	4.0	<.1	<.05	6
2650E 4025N	.4	26.9	3.0	51	.1	39.1	11.8	373	3.04	10.1	.4	8.9	1.2	101	.1	.6	<.1	84	.55	.088	14	47.8	.74	115	.114	1	2.05	.036	.12	.1	.02	7.2	.1	<.05	5
2650E 4000N	.7	34.1	3.7	51	.3	44.9	16.1	620	3.29	18.8	.6	125.4	1.4	123	.1	.9	.1	89	.80	.090	18	50.8	1.04	115	.096	1	2.01	.043	.15	.1	.04	8.6	.1	<.05	6
2650E 3975N	.4	22.6	3.2	51	.1	35.7	12.7	495	2.82	8.0	.4	8.7	1.2	87	.1	.5	<.1	80	.57	.063	12	45.6	.72	118	.115	1	1.86	.038	.16	<.1	.02	6.6	.1	<.05	5
2650E 3950N	.6	43.4	3.3	58	.3	43.8	13.7	650	3.19	13.4	.6	15.0	1.2	118	.2	.6	.1	90	.90	.080	20	50.1	.84	102	.107	3	2.19	.051	.12	<.1	.04	7.6	.1	.07	6
2650E 3850N	1.2	28.6	4.2	54	.2	42.3	14.9	471	3.41	13.3	.6	17.8	1.5	113	.1	.7	.1	86	.81	.061	17	48.3	1.02	122	.114	3	2.21	.030	.12	<.1	.05	8.8	.1	<.05	7
2650E 3825N	.9	28.9	4.4	49	.1	40.6	13.7	482	3.08	13.6	.5	14.9	1.5	117	.1	.7	.1	83	.82	.047	17	43.1	.92	132	.103	<1	2.02	.038	.10	<.1	.04	8.5	.1	<.05	6
2650E 3800N	1.1	29.1	3.9	51	.1	38.1	13.2	474	3.34	13.2	.5	15.2	1.3	116	.1	.7	.1	92	.72	.067	16	41.5	.88	136	.110	2	1.99	.040	.10	<.1	.04	8.0	.1	<.05	5
STANDARD DS3	9.5	125.1	34.5	157	.3	37.9	12.2	791	3.30	32.8	6.6	22.6	3.9	28	6.1	5.1	5.8	79	.56	.093	18	186.0	.62	145	.088	3	1.80	.033	.16	4.1	.22	3.5	1.2	<.05	6

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
G-1	1.3	2.0	2.1	42	<.1	4.3	3.8	534	1.75	<.5	2.9	.9	5.1	73	<.1	<.1	.1	43	.60	.099	8	12.8	.57	216	.129	2	.85	.074	.48	2.2	<.01	2.1	.3	.19	5
2650E 3775N	.8	38.8	3.7	49	.4	44.9	14.8	468	3.60	26.2	.6	36.8	1.7	152	<.1	1.0	.1	100	.87	.111	22	56.4	1.07	138	.115	1	2.26	.053	.12	<.1	.10	11.7	.1	.09	7
2650E 3750N	.4	15.3	3.2	47	.1	23.8	8.6	364	2.43	3.5	.3	4.9	.9	79	.1	.4	.1	71	.44	.077	5	40.6	.47	102	.129	2	1.45	.035	.14	<.1	.01	4.0	<.1	.11	5
2650E 3725N	.6	17.7	3.0	43	.2	28.6	9.2	225	2.58	5.2	.3	2.6	.8	66	<.1	.4	.1	72	.43	.110	5	43.6	.46	96	.118	<1	1.84	.035	.12	<.1	.01	3.9	<.1	.12	5
2650E 3700N	.5	20.6	3.8	49	.1	32.6	11.3	333	2.95	5.1	.3	3.6	1.2	79	.1	.4	.1	85	.51	.063	7	46.9	.68	113	.138	2	2.03	.048	.09	<.1	.03	4.9	<.1	<.05	6
2700E 3850N	.6	16.5	3.6	61	.1	28.9	9.0	332	2.33	5.2	.3	4.2	1.0	73	.1	.4	.1	55	.36	.174	4	37.0	.44	146	.115	1	2.25	.024	.11	.1	.02	4.0	.1	<.05	7
2700E 3825N	.5	13.0	4.0	56	.1	21.7	8.4	362	2.02	3.6	.2	3.2	.7	57	.1	.4	.1	58	.40	.067	5	37.5	.46	103	.135	<1	1.65	.031	.11	<.1	.02	3.1	<.1	.07	5
2700E 3800N	.4	13.3	4.2	55	.1	21.9	8.6	259	2.23	4.0	.4	3.9	.9	61	<.1	.5	.1	60	.41	.044	5	40.4	.48	94	.140	1	1.85	.044	.09	<.1	.01	3.5	<.1	<.05	5
2700E 3775N	.5	21.4	3.6	54	.2	33.0	12.0	460	2.88	7.5	.5	9.4	1.3	81	.1	.6	.1	74	.73	.044	8	45.2	.74	103	.124	1	1.88	.051	.11	<.1	.05	6.7	.1	<.05	6
2700E 3750N	.5	16.0	3.6	44	.2	23.1	9.5	332	2.62	4.7	.5	276.3	1.0	78	.1	.5	.1	74	.67	.024	7	46.2	.55	96	.158	1	1.48	.064	.10	.1	.02	5.2	<.1	<.05	5
2700E 3725N	.6	15.6	3.5	58	.1	27.6	9.8	317	2.78	4.7	.3	8.1	1.0	70	<.1	.6	.1	74	.41	.069	6	44.4	.55	119	.152	2	1.84	.039	.14	<.1	.02	4.6	<.1	<.05	6
2700E 3700N	.6	30.2	3.2	51	.2	42.7	13.1	433	3.60	13.6	.6	22.5	1.7	110	<.1	.8	.1	106	.69	.076	12	60.2	.95	122	.152	1	2.44	.061	.09	.1	.05	9.2	.1	<.05	6
2750E 5050N	.9	17.2	4.9	48	.1	24.1	8.9	539	2.17	4.1	.4	1.9	1.0	78	.1	.2	.1	68	.65	.033	11	38.6	.51	142	.126	2	1.70	.058	.07	<.1	.04	4.5	<.1	<.05	5
2750E 5025N	.6	29.4	5.5	47	.2	33.8	9.1	971	2.45	8.1	1.1	1.9	1.0	78	.1	.5	.1	62	1.16	.036	33	42.1	.67	120	.090	2	2.14	.056	.05	<.1	.07	7.2	<.1	<.05	6
2750E 5000N	1.0	14.0	4.1	60	.1	23.1	8.6	220	2.04	3.2	.2	1.4	.8	53	<.1	.2	.1	52	.46	.176	5	34.5	.41	105	.106	1	2.03	.033	.07	<.1	.03	3.1	<.1	<.05	7
2750E 4975N	.8	12.8	4.3	43	.1	18.7	8.4	290	1.84	2.6	.3	1.6	.7	64	<.1	.3	.1	59	.52	.040	5	35.0	.47	101	.126	2	1.50	.050	.11	<.1	.04	3.5	<.1	<.05	5
2750E 4950N	.6	19.4	4.7	48	.1	25.1	10.4	240	2.42	3.8	.6	1.4	1.0	76	.1	.2	.1	70	.67	.063	11	40.8	.61	112	.140	1	1.93	.063	.05	<.1	.02	4.8	<.1	<.05	6
RE 2750E 4950N	.6	19.4	4.8	48	.1	27.4	10.4	258	2.66	4.0	.6	1.4	1.0	75	.1	.2	.1	69	.69	.060	10	42.3	.62	110	.150	2	1.93	.062	.05	<.1	.03	4.9	<.1	<.05	6
2750E 4150N	.6	45.1	4.4	63	.2	42.4	13.6	552	2.94	6.5	1.3	2.8	1.3	113	.3	.4	<.1	72	1.21	.070	16	44.2	.90	128	.105	5	2.10	.070	.10	<.1	.04	8.1	.1	.06	6
2750E 4125N	.5	21.7	4.5	64	.1	30.1	12.2	415	3.25	4.1	.5	3.3	1.3	89	.1	.3	.1	74	.59	.079	8	45.5	.72	138	.141	4	2.11	.042	.19	<.1	.02	6.7	<.1	<.05	6
2750E 4100N	.6	25.0	4.2	66	.1	34.4	13.3	698	3.11	6.0	.4	5.5	1.4	113	.1	.3	.1	79	.70	.110	9	52.1	.74	167	.136	3	2.28	.045	.20	<.1	.02	7.1	.1	<.05	7
2750E 4075N	1.0	17.7	4.3	49	.1	25.4	11.6	435	2.56	5.8	.5	3.5	1.1	70	.1	.4	.1	66	.54	.034	9	40.6	.60	109	.134	1	1.81	.042	.11	<.1	.03	5.1	<.1	<.05	5
2750E 4050N	.7	24.4	4.9	64	.2	36.0	13.5	568	2.98	8.2	.6	4.9	1.2	84	<.1	.4	.1	73	.73	.060	12	45.6	.89	111	.121	1	2.30	.047	.11	<.1	.02	7.1	.1	<.05	7
2750E 4025N	.5	31.6	4.5	85	.4	38.4	14.9	609	3.56	10.6	1.4	8.4	1.7	118	.2	.5	.1	72	1.14	.039	14	52.9	1.02	127	.113	3	2.63	.065	.11	<.1	.06	11.3	.1	.06	8
2750E 4000N	.6	14.7	3.8	52	.1	23.5	9.6	361	2.38	3.0	.3	1.3	1.0	64	<.1	.4	.1	69	.46	.039	5	39.5	.49	111	.154	2	1.70	.045	.12	<.1	.03	3.7	<.1	<.05	5
2750E 3975N	.5	18.1	4.3	115	.1	31.7	10.2	754	2.48	5.6	.4	<.5	1.1	62	.2	.1	.1	53	.51	.247	6	35.8	.52	185	.104	2	2.88	.024	.13	<.1	.03	4.2	<.1	<.05	9
2750E 3950N	.7	13.8	4.3	83	.1	29.5	9.3	528	2.33	3.7	.3	3.9	.7	61	.1	.2	.1	57	.40	.136	4	36.2	.48	164	.115	2	2.64	.025	.14	<.1	.02	3.6	<.1	<.05	8
2750E 3850N	.4	17.0	4.2	68	.2	25.2	9.8	357	2.66	5.0	.7	7.2	1.2	82	.1	.4	.1	62	.76	.031	7	44.8	.67	106	.138	1	2.07	.070	.07	.1	.03	6.6	.1	<.05	6
2750E 3825N	.4	9.8	3.8	45	.1	15.2	6.3	153	1.77	2.1	.2	4.1	.6	51	.1	.4	.1	49	.34	.049	3	31.5	.38	82	.137	1	1.39	.034	.10	<.1	.02	2.6	<.1	<.05	5
2750E 3800N	.5	11.1	3.5	48	.1	17.9	6.7	313	1.91	2.3	.2	26.1	.8	56	<.1	.4	.1	52	.33	.041	4	35.0	.37	108	.141	2	1.47	.029	.12	<.1	.02	3.1	<.1	<.05	5
2750E 3775N	.4	12.8	3.9	57	.1	20.1	6.7	224	2.07	2.8	.2	8.3	.7	54	.1	.4	.1	55	.34	.046	4	37.8	.37	104	.146	<1	1.66	.034	.08	<.1	.02	2.7	<.1	<.05	6
2750E 3750N	.6	12.8	3.9	57	.1	22.0	8.0	304	2.44	3.8	.3	2.9	.8	60	<.1	.4	.1	65	.35	.052	4	42.2	.42	113	.159	<1	1.81	.032	.11	.1	.18	3.2	<.1	<.05	5
2750E 3725N	.5	18.7	4.2	70	.1	31.1	10.5	297	2.92	4.6	.3	5.1	1.3	72	.1	.5	.1	75	.46	.070	5	47.4	.57	141	.177	1	2.23	.037	.14	<.1	.01	4.1	<.1	<.05	7
2750E 3700N	.6	15.7	3.9	63	.1	26.1	9.1	365	2.70	2.6	.4	25.6	1.1	72	<.1	.4	.1	73	.45	.047	5	46.2	.46	126	.167	<1	1.82	.031	.15	.1	.01	3.8	<.1	<.05	6
STANDARD DS3	9.8	124.9	32.0	158	.3	35.6	12.5	741	3.22	32.0	6.6	20.8	4.2	31	6.7	4.8	5.6	81	.59	.093	19	183.8	.62	144	.096	2	1.76	.035	.17	3.4	.22	3.6	1.2	<.05	7

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
G-1	1.2	2.5	2.1	41	<.1	3.7	4.1	470	1.68	<.5	3.2	.6	5.3	68	<.1	<.1	.2	41	.53	.100	8	11.4	.57	224	.118	2	.83	.064	.49	2.6	<.01	1.8	.3	.15	4
2750E 3600N	.8	17.5	3.7	71	.1	28.9	10.5	354	2.66	4.3	.3	6.7	1.2	57	.1	.3	.1	69	.36	.218	5	36.5	.57	140	.096	1	2.43	.019	.12	.1	.02	3.5	<.1	.10	7
2750E 3575N	.6	26.4	5.0	70	.2	28.8	11.4	717	2.55	6.5	.6	8.0	1.2	88	.1	.4	.1	67	.76	.079	12	39.2	.63	169	.112	5	1.99	.034	.14	.1	.03	6.0	.1	.11	6
2750E 3550N	.4	19.9	4.3	46	.2	17.6	7.4	483	1.94	4.1	.5	59.2	.9	68	.1	.3	.1	54	.70	.033	14	28.8	.38	131	.092	2	1.51	.030	.08	<.1	.03	4.0	.1	.10	4
2750E 3525N	.3	20.7	4.0	45	.3	23.5	8.0	334	2.45	4.9	.6	12.4	1.1	55	<.1	.3	.1	62	.55	.027	13	36.0	.50	116	.116	5	1.75	.033	.09	<.1	.02	5.4	.1	<.05	5
2750E 3500N	.3	15.5	5.1	56	.1	16.0	8.3	417	1.89	2.6	.4	3.4	1.0	65	.1	.3	.1	45	.69	.031	8	28.9	.43	190	.098	4	1.77	.031	.11	<.1	.03	4.7	<.1	.07	5
2750E 3475N	.3	26.1	4.9	79	.2	21.2	8.0	289	1.83	4.2	.7	2.3	.7	96	.1	.3	.1	45	1.18	.047	16	30.1	.55	176	.082	6	1.87	.036	.05	<.1	.07	4.5	<.1	.07	5
2750E 3450N	.2	33.9	3.8	46	.3	29.7	7.9	208	2.59	4.8	1.3	4.9	1.5	95	.2	.3	.1	45	.92	.034	16	38.5	.90	187	.097	2	2.05	.050	.06	<.1	.05	7.7	.1	<.05	6
2750E 3425N	.5	14.6	4.8	53	.1	18.6	8.3	286	1.97	3.3	.3	2.6	.7	55	.1	.3	.1	57	.52	.043	6	31.5	.48	101	.114	<1	1.82	.027	.07	<.1	.01	3.0	<.1	.06	5
2750E 3400N	.5	21.3	5.7	62	.2	20.7	8.5	418	1.87	4.5	.7	24.2	1.1	56	<.1	.2	.1	49	.48	.033	11	29.3	.49	98	.111	<1	2.22	.032	.10	.1	.05	4.5	.1	<.05	6
2750E 3375N	.5	14.5	4.3	104	.1	18.7	7.5	571	1.58	2.7	.2	<.5	.7	33	.1	.1	.1	39	.26	.225	3	21.6	.31	252	.071	1	1.62	.014	.06	<.1	.01	2.0	<.1	<.05	6
2750E 3350N	.5	17.1	3.7	56	.1	26.0	10.9	281	1.90	2.2	.2	1.2	.7	44	.1	.1	.1	48	.28	.072	3	27.0	.43	126	.093	3	2.17	.017	.05	<.1	.02	2.1	<.1	<.05	7
2800E 5025N	1.1	15.7	4.7	54	.1	25.0	9.8	491	2.52	3.2	.4	1.6	1.0	57	.1	.4	.1	66	.53	.058	8	36.8	.57	117	.123	1	1.93	.030	.18	<.1	.01	4.1	.1	<.05	5
RE 2800E 5025N	1.2	15.5	4.5	54	.1	23.5	10.1	501	2.51	3.3	.4	6.9	1.0	56	.2	.4	.1	67	.49	.059	8	36.9	.55	113	.124	<1	1.82	.031	.17	<.1	.03	3.8	.1	<.05	5
2800E 4975N	.6	17.4	4.7	60	<.1	30.5	10.1	466	2.68	3.5	.3	.8	1.1	65	.1	.3	.1	72	.41	.121	6	38.1	.60	166	.139	<1	2.43	.028	.15	<.1	.01	3.9	<.1	<.05	7
* 2800E 4110N	.8	16.1	4.6	58	.2	24.5	10.3	355	2.70	6.5	.4	39.9	1.1	64	.1	.7	.1	68	.43	.059	6	36.4	.63	119	.116	1	1.72	.025	.13	<.1	<.01	4.4	.1	<.05	5
2800E 4075N	.5	22.6	5.1	57	.2	24.6	10.3	420	2.55	5.8	.7	2.1	1.2	67	<.1	.5	.1	63	.77	.033	11	35.9	.61	115	.112	1	1.88	.042	.09	<.1	.03	5.1	<.1	<.05	5
2800E 4025N	.6	15.2	4.3	56	.1	23.6	9.6	397	2.55	3.5	.3	2.5	.7	71	.1	.5	.1	76	.49	.036	4	41.2	.58	126	.158	1	1.79	.034	.11	<.1	.01	3.1	<.1	<.05	5
2800E 3975N	.6	11.9	4.7	48	<.1	19.7	7.7	405	2.15	2.1	.3	6.9	.9	62	.1	.5	.1	63	.43	.044	5	38.6	.42	118	.152	1	1.49	.034	.14	<.1	.01	3.1	.1	<.05	5
2800E 3825N	.5	11.6	4.5	66	.1	21.5	7.3	351	1.91	2.0	.2	27.7	.9	48	.1	.4	.1	47	.33	.083	4	31.8	.42	114	.115	<1	2.22	.022	.11	<.1	<.01	2.6	<.1	<.05	6
2800E 3775N	.5	16.9	4.3	68	.1	30.5	9.2	243	2.86	4.2	.3	10.6	1.2	64	.2	.6	.1	72	.38	.092	5	44.1	.53	175	.149	<1	2.34	.026	.12	<.1	.02	3.7	<.1	<.05	7
2800E 3725N	.6	13.5	4.1	75	.1	23.2	8.1	498	2.69	2.9	.3	8.8	1.0	60	.1	.6	.1	76	.40	.035	5	44.9	.45	149	.171	1	1.94	.025	.14	<.1	.02	3.8	<.1	<.05	6
2800E 3575N	.3	37.2	4.2	75	.3	27.7	9.4	708	2.11	8.6	1.1	.7	1.0	105	.2	.4	.1	51	1.38	.054	22	32.4	.50	336	.084	6	1.94	.030	.11	<.1	.05	5.6	.1	.13	5
2800E 3475N	.5	17.7	4.5	66	.1	27.3	9.7	485	2.59	4.2	.3	<.5	1.2	60	.1	.4	.1	64	.39	.137	5	37.3	.54	153	.123	1	2.50	.023	.09	.1	.04	3.8	<.1	<.05	6
2800E 3425N	.5	15.9	4.4	82	.1	25.9	9.9	502	2.59	3.4	.3	1.1	1.1	51	.1	.4	.1	70	.34	.084	4	38.7	.52	152	.138	3	2.63	.023	.10	<.1	.03	3.3	<.1	<.05	7
2800E 3375N	.6	19.5	3.8	52	.1	30.6	13.1	269	3.15	3.6	.3	37.7	.9	82	.1	.4	.1	86	.47	.054	4	44.6	.65	169	.157	2	2.45	.035	.08	<.1	.03	3.5	<.1	<.05	6
2850E 5100N	.6	18.5	4.7	47	.1	24.2	8.6	358	2.68	4.6	.5	2.2	1.5	104	<.1	.4	.1	72	.58	.033	14	40.4	.59	150	.114	2	1.66	.047	.16	<.1	.03	6.7	.1	<.05	5
2850E 5075N	.8	18.4	4.7	50	<.1	26.9	9.9	411	2.83	3.6	.5	1.3	1.4	102	.1	.4	.1	74	.55	.033	12	43.2	.69	154	.126	3	1.94	.039	.17	<.1	.02	7.1	.1	<.05	5
2850E 5050N	1.2	32.2	5.4	67	.1	44.0	15.1	942	3.39	10.9	.5	3.8	1.5	151	.1	.6	.1	81	1.04	.093	16	51.2	1.19	178	.077	6	2.47	.069	.18	<.1	.04	7.6	.1	<.05	7
2850E 5025N	.7	24.9	4.6	56	.1	47.2	15.0	567	3.28	6.4	.4	1.8	1.5	122	.1	.5	.1	84	.81	.074	10	56.5	1.15	144	.109	4	2.15	.067	.13	<.1	.01	6.5	.1	<.05	6
2850E 5000N	.6	19.1	4.6	66	.1	27.3	11.4	615	2.32	4.8	.3	2.2	.8	84	.2	.4	.1	58	.77	.068	8	36.7	.69	141	.077	2	1.71	.035	.24	<.1	.02	5.3	.1	.06	5
2850E 4975N	1.1	26.3	4.8	74	.2	35.4	16.0	813	2.88	12.7	.5	9.7	.5	85	.3	.6	.1	66	1.24	.119	12	41.1	.95	138	.051	5	1.98	.031	.26	<.1	.03	5.7	.1	.06	6
2850E 4950N	1.1	27.1	5.7	74	.2	35.4	15.6	867	2.77	18.4	.5	5.4	.3	82	.3	.7	.1	66	1.39	.160	11	40.9	1.05	132	.040	4	1.96	.033	.31	.1	.04	4.0	.1	.11	5
2850E 4200N	.8	19.0	4.1	47	.1	26.6	12.2	639	2.64	5.2	.4	4.0	1.0	68	.1	.4	<.1	66	.54	.045	10	38.9	.65	123	.119	1	1.69	.033	.13	<.1	.02	4.6	<.1	<.05	5
STANDARD DS3	9.7	127.7	32.8	159	.3	34.7	12.2	768	3.35	32.6	6.4	22.8	4.1	28	6.1	5.7	5.5	79	.56	.097	19	176.5	.63	145	.086	2	1.80	.032	.17	4.0	.24	3.5	1.2	<.05	7

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

* **REVISED COPY**

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
G-1	1.3	2.3	2.0	41	<.1	3.1	3.7	515	1.76	.5	2.8	<.5	5.0	70	<.1	<.1	.2	44	.57	.095	8	12.0	.54	223	.123	<1	.86	.065	.51	2.3	<.01	1.8	.4	.20	5
2850E 4175N	.7	23.1	5.0	57	.2	24.9	10.4	728	2.16	5.9	.5	4.3	1.0	78	.1	.4	.1	64	.77	.052	15	33.9	.56	124	.108	1	1.69	.037	.16	.1	.05	4.3	.1	.20	5
2850E 4150N	1.1	17.4	4.0	67	.1	21.7	11.4	585	2.24	4.7	.3	34.6	.9	61	.1	.4	.1	61	.50	.059	7	32.2	.51	130	.106	3	1.63	.026	.14	<.1	.02	3.3	.1	.13	5
2850E 4125N	.7	34.9	6.2	77	.3	36.4	9.9	751	2.48	10.1	1.4	3.7	1.0	86	.3	.6	.1	57	1.30	.049	23	34.3	.67	109	.074	2	2.23	.038	.08	.1	.06	5.7	.1	.16	6
2850E 4100N	.9	20.5	4.1	65	.1	27.0	9.2	356	2.27	6.2	.6	2.8	1.0	78	.1	.5	.1	60	.68	.063	13	34.4	.58	117	.107	<1	1.90	.035	.09	<.1	.02	4.0	<.1	<.05	5
2850E 4075N	1.0	15.1	4.0	67	.1	20.0	9.4	249	2.07	3.1	.3	5.5	.7	54	.1	.9	.1	59	.37	.098	5	34.2	.48	119	.124	<1	1.87	.027	.11	<.1	.01	2.8	<.1	.08	6
2850E 4050N	.5	12.4	4.4	60	.1	17.4	8.2	372	1.88	2.6	.3	2.5	.6	57	.1	.4	.1	54	.52	.062	4	30.0	.44	101	.121	<1	1.53	.028	.09	<.1	.03	2.2	<.1	<.05	5
2850E 4025N	.8	10.2	4.4	43	.1	17.2	7.3	404	1.88	1.9	.2	2.5	.5	53	.1	.4	.1	54	.36	.028	4	29.8	.38	106	.119	<1	1.33	.027	.09	<.1	.03	2.0	<.1	<.05	4
2850E 4000N	.7	11.2	3.7	64	.1	18.7	7.4	278	1.99	2.0	.2	5.4	.6	53	.1	.3	.1	55	.40	.067	3	33.0	.42	124	.127	2	1.69	.030	.12	<.1	<.01	2.4	<.1	<.05	5
2850E 3975N	.6	16.0	3.6	70	.1	27.9	9.4	394	2.52	3.3	.2	3.4	1.0	58	<.1	.4	.1	73	.37	.081	4	39.1	.48	137	.139	1	2.04	.030	.15	<.1	.01	3.3	<.1	<.05	6
2850E 3950N	.6	13.8	3.8	46	.1	25.1	8.2	355	2.46	3.0	.3	4.5	.9	66	.1	.3	.1	66	.47	.057	5	38.3	.51	115	.126	2	1.92	.034	.16	<.1	<.01	3.3	<.1	<.05	5
2850E 3850N	.5	16.7	4.5	58	.1	21.4	9.5	360	2.14	3.7	.7	.7	1.0	84	.1	.3	.1	64	.49	.022	11	34.5	.58	106	.132	<1	1.77	.047	.05	<.1	<.01	3.9	.1	<.05	5
2850E 3825N	.2	15.6	5.0	56	.1	25.1	8.5	246	1.96	3.3	.4	1.2	1.0	67	.1	.2	.1	51	.51	.042	7	29.4	.58	111	.120	2	2.06	.039	.04	<.1	.01	3.8	<.1	<.05	6
2850E 3800N	.4	13.1	4.4	123	.1	26.4	8.6	604	2.55	4.9	.3	4.1	1.0	44	<.1	.4	.1	62	.27	.132	4	33.3	.43	213	.093	<1	2.74	.017	.05	<.1	.01	2.9	<.1	<.05	8
2850E 3775N	.4	5.4	4.7	116	<.1	11.1	4.1	217	1.54	3.5	.2	<.5	1.0	28	<.1	.1	.2	41	.25	.078	3	12.7	.17	155	.083	2	1.49	.018	.05	<.1	.01	1.4	<.1	<.05	5
2850E 3750N	.6	20.9	3.2	53	.1	36.9	11.6	304	3.18	7.5	.5	94.0	1.5	112	.1	.6	.1	92	.48	.056	7	50.9	.81	163	.147	<1	2.46	.031	.07	<.1	.03	5.4	.1	<.05	6
2850E 3725N	.4	14.0	3.7	69	.1	24.1	8.0	374	2.60	3.4	.3	1.5	.7	76	.2	.5	.1	66	.52	.046	5	39.6	.52	120	.136	4	1.91	.030	.11	<.1	.01	3.1	<.1	<.05	6
2850E 3700N	.7	27.8	5.2	67	.2	36.2	16.1	956	3.19	14.1	.6	6.5	1.7	87	.1	.5	.1	84	.75	.064	16	46.9	.85	164	.119	4	2.27	.040	.13	.1	.03	8.0	.1	<.05	7
2850E 3675N	.5	16.2	3.9	73	.1	28.1	10.0	445	2.90	4.4	.3	7.8	1.2	65	.1	.5	.1	81	.45	.039	6	44.6	.56	156	.155	3	1.74	.031	.11	<.1	.01	4.4	<.1	<.05	5
2850E 3650N	.4	10.0	3.3	66	.1	16.1	6.3	341	1.82	2.0	.2	3.9	.6	42	.1	.4	<.1	56	.36	.028	4	32.4	.31	110	.127	2	1.20	.030	.10	<.1	.01	2.3	<.1	<.05	4
2850E 3600N	.7	13.2	3.8	80	.1	19.2	7.0	734	2.17	2.6	.3	13.4	.9	50	<.1	.5	.1	64	.40	.047	5	35.4	.36	180	.131	1	1.52	.026	.17	.1	.02	3.5	<.1	<.05	4
2850E 3575N	.5	18.0	3.6	48	.1	24.2	9.3	446	2.75	5.4	.5	41.2	1.0	69	<.1	.4	.1	70	.48	.042	9	36.9	.47	131	.111	2	1.55	.032	.16	.1	.02	4.4	.1	<.05	4
RE 2850E 3575N	.8	18.1	3.5	48	.1	20.8	8.7	448	2.63	5.2	.5	3.5	.9	67	.1	.3	<.1	68	.47	.044	9	37.5	.47	130	.107	2	1.58	.030	.15	<.1	.02	4.4	.1	<.05	4
2850E 3550N	.7	21.0	3.8	51	.2	26.3	10.6	601	2.63	5.8	.8	7.7	1.0	71	.1	.4	.1	70	.52	.038	12	38.5	.51	132	.114	1	1.75	.034	.12	<.1	.02	4.7	.1	<.05	5
2850E 3525N	1.0	21.4	4.1	60	.1	25.3	10.8	797	2.31	5.6	.7	2.0	.9	76	.1	.4	.1	67	.62	.048	11	37.5	.50	155	.117	1	1.72	.031	.18	.1	.02	4.9	<.1	<.05	5
2850E 3500N	.7	24.8	4.3	60	.2	27.6	11.3	619	2.80	8.0	.8	3.5	1.2	86	.1	.4	<.1	81	.72	.052	11	41.6	.68	148	.111	3	2.05	.038	.16	.1	.02	6.7	.1	<.05	5
2850E 3475N	.7	19.8	4.0	47	.1	24.5	9.2	521	2.29	5.2	.8	3.5	1.0	72	.1	.3	.1	71	.57	.026	10	37.0	.55	109	.111	1	1.86	.041	.10	<.1	.01	4.5	<.1	<.05	5
2950E 3600N	.6	17.4	3.2	73	.1	28.8	8.2	347	2.44	4.5	.3	5.4	1.1	69	<.1	.4	<.1	65	.44	.135	5	39.0	.47	131	.124	2	2.23	.029	.12	<.1	.01	4.0	<.1	<.05	6
2950E 3575N	.8	15.1	3.2	46	.1	21.3	9.4	520	2.25	4.3	.3	3.6	.7	66	.1	.4	.1	69	.49	.076	5	36.1	.45	116	.122	1	1.76	.037	.10	<.1	.03	3.4	<.1	<.05	5
2950E 3550N	.5	15.1	3.9	75	.2	27.0	8.2	554	2.12	5.5	.3	3.6	1.0	76	.1	.3	.1	59	.49	.146	5	34.9	.44	158	.118	1	2.67	.020	.10	.1	.01	3.1	<.1	<.05	7
2950E 3525N	1.0	15.4	4.8	65	.1	21.3	8.2	464	1.73	3.6	.3	4.6	.6	66	.2	.2	.1	47	.60	.102	4	27.0	.37	134	.090	1	2.02	.020	.08	<.1	.03	2.2	<.1	<.05	6
2950E 3500N	.5	23.3	3.8	81	.1	39.5	12.0	501	2.76	5.6	.3	11.3	1.1	60	.1	.3	.1	65	.42	.202	4	41.4	.59	198	.115	<1	3.14	.021	.12	.1	.02	3.4	<.1	<.05	8
3000E 4275N	1.5	13.5	4.4	64	.1	20.8	8.2	307	2.30	3.8	.3	7.3	.6	56	<.1	.5	.1	68	.38	.073	4	31.5	.46	128	.144	<1	1.61	.024	.10	<.1	.01	2.9	<.1	<.05	5
3000E 4250N	.7	11.8	3.8	69	.1	22.9	8.0	455	2.03	2.6	.3	15.8	.6	58	<.1	.3	.1	61	.39	.060	4	36.7	.47	125	.137	1	1.62	.028	.17	<.1	.02	3.1	<.1	<.05	5
STANDARD DS3	9.4	123.2	32.9	161	.3	37.1	11.8	755	3.26	33.0	6.5	21.1	4.1	29	5.3	5.1	5.5	80	.55	.093	18	180.4	.62	142	.089	<1	1.83	.033	.17	4.1	.22	3.7	1.2	<.05	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
G-1	1.0	2.0	1.8	36	<.1	4.0	3.8	472	1.76	<.5	2.5	.7	4.6	65	<.1	<.1	.2	42	.49	.085	7	11.2	.52	227	.121	1	.83	.061	.49	2.2	<.01	1.8	.3	.18	4
3000E 4225N	.9	14.0	3.7	69	.1	26.1	8.7	384	1.93	2.7	.3	<.5	.9	52	.1	.3	.1	52	.35	.143	4	30.9	.46	127	.094	2	2.24	.022	.11	.1	.01	2.9	<.1	.12	6
3000E 3925N	.5	14.1	4.2	54	.1	26.1	7.8	265	2.57	3.5	.4	1.7	1.2	69	<.1	.5	.1	72	.37	.062	4	39.3	.50	156	.154	2	2.04	.024	.12	<.1	<.01	3.2	<.1	.07	6
3000E 3875N	.6	20.8	4.6	73	.1	32.8	13.0	746	3.00	7.6	.5	8.1	1.5	88	.1	.7	.1	78	.59	.066	12	46.4	.70	213	.136	2	2.20	.031	.11	.1	.04	6.6	.1	.07	6
3000E 3575N	.6	17.9	3.7	72	.1	24.0	9.0	632	2.03	3.7	.2	1.1	.8	55	.1	.3	.1	56	.49	.120	5	34.4	.43	210	.104	3	1.97	.028	.11	<.1	.02	3.4	<.1	.08	5
3000E 3525N	.6	12.7	4.1	60	.1	18.7	7.5	600	1.88	3.0	.3	3.7	.8	53	.1	.3	.1	60	.43	.062	4	37.1	.40	128	.119	2	1.67	.028	.14	<.1	.01	3.2	<.1	.10	4
3050E 4300N	.6	13.2	3.9	51	.1	21.6	8.1	492	2.06	3.1	.3	.9	.8	64	.1	.4	.1	62	.36	.039	5	35.6	.47	124	.125	2	1.49	.030	.12	<.1	<.01	3.5	<.1	.06	4
3050E 4275N	.8	16.4	3.9	55	.1	28.9	10.1	412	2.65	4.2	.4	2.4	1.0	76	.1	.5	.1	72	.42	.058	6	40.4	.64	127	.136	1	2.08	.036	.10	<.1	.04	4.9	<.1	<.05	5
3050E 4225N	.5	13.1	4.0	57	.1	23.8	8.3	237	1.84	3.5	.4	1.4	.9	45	<.1	.3	.1	51	.36	.095	5	27.0	.42	111	.109	1	1.95	.028	.09	.1	.02	3.5	<.1	<.05	6
3050E 4200N	.6	12.6	4.4	61	.1	18.0	7.2	252	1.77	2.3	.3	1.5	.6	47	.1	.3	.1	51	.34	.031	4	28.4	.42	103	.131	2	1.53	.030	.07	<.1	.01	2.7	<.1	<.05	5
3050E 3950N	.5	29.1	4.8	55	.1	38.7	14.4	403	3.47	10.2	.8	7.1	1.9	122	<.1	.4	.1	84	.84	.070	20	46.8	1.09	169	.082	4	3.16	.037	.15	<.1	.07	10.6	.1	<.05	8
3050E 3925N	.5	13.4	4.6	90	.1	15.3	6.6	717	1.76	3.0	.3	<.5	1.0	55	.1	.3	.1	51	.49	.045	6	25.3	.40	205	.115	1	1.51	.026	.11	<.1	.01	3.5	.1	<.05	4
3050E 3900N	.7	19.9	4.8	72	.1	33.5	11.6	400	2.98	6.6	.4	2.1	1.3	76	.1	.5	.1	82	.47	.107	6	42.5	.67	177	.150	<1	2.40	.022	.13	<.1	.04	4.3	<.1	<.05	7
RE 3050E 3900N	.6	18.0	4.9	70	.1	33.2	11.2	400	3.02	6.0	.4	13.4	1.3	76	.1	.5	.1	83	.49	.106	6	45.0	.67	179	.150	3	2.34	.023	.13	<.1	.02	4.5	.1	<.05	6
3050E 3875N	1.3	26.4	4.8	64	.1	35.2	15.0	767	3.16	11.7	.5	2.8	1.6	92	.2	.3	.1	75	.71	.054	13	45.9	.71	290	.078	4	1.97	.031	.13	.2	.03	7.9	.1	<.05	6
3050E 3850N	.9	36.7	4.1	59	.1	42.2	17.7	874	3.87	12.4	.5	1.3	1.8	82	.1	.3	.1	87	.68	.054	13	53.1	.55	222	.034	5	1.74	.029	.11	<.1	.02	11.6	.1	.07	5
3050E 3600N	.5	17.2	3.8	68	.1	24.1	8.2	582	2.36	4.4	.3	11.0	1.0	66	.1	.4	.1	62	.40	.091	5	38.1	.39	203	.128	3	1.94	.026	.17	<.1	.01	3.8	.1	<.05	5
3050E 3575N	.6	19.6	4.0	51	.1	27.1	10.4	707	2.31	4.4	.4	.7	.9	85	.1	.3	.1	67	.75	.060	7	37.1	.49	157	.111	1	1.77	.026	.17	<.1	.02	4.2	.1	<.05	5
3050E 3550N	.6	18.9	4.1	52	.1	23.8	10.3	446	2.40	5.6	.4	2.9	1.2	72	.1	.3	.1	76	.54	.038	9	38.9	.54	132	.136	2	1.75	.042	.13	<.1	.02	5.6	.1	<.05	5
3050E 3525N	.9	20.2	4.4	70	.1	22.6	10.5	929	2.08	4.6	.4	2.7	.7	77	.1	.3	.1	62	.70	.054	8	34.8	.45	229	.101	1	1.66	.029	.19	<.1	.02	4.5	<.1	.08	5
3050E 3500N	.6	22.0	4.6	81	.1	21.9	10.3	643	2.16	5.0	.6	3.7	.7	75	.2	.2	.1	62	.77	.049	9	33.1	.44	221	.099	3	1.65	.031	.14	<.1	.01	4.0	<.1	.06	5
STANDARD DS3	9.6	125.0	34.2	157	.3	36.0	12.1	743	3.28	32.7	6.4	20.0	4.2	29	6.0	5.3	5.6	83	.54	.091	18	173.4	.62	144	.088	3	1.80	.034	.16	3.6	.21	3.7	1.2	<.05	6

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 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-3 File # A203803

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
SI	.2	1.3	.9	1	<.1	.3	<.1	12	.05	<.5	.1	<.5	.2	3	<.1	<.1	<.1	<1	.13	<.001	1	1.4	<.01	4	<.001	<1	.01	.511	.01	.3	<.01	<.1	<.1	<.05	<1
PV02-R15	4.3	11.8	3.2	25	.9	20.5	6.5	712	1.36	79.1	.1	81.7	.4	38	.1	.7	.2	27	.73	.051	7	37.1	.40	1325	.002	1	.50	.007	.08	2.8	.02	1.9	<.1	.08	2
PV02-R16	3.9	21.0	2.1	7	1.1	12.0	4.6	115	1.09	78.3	.1	363.9	.3	8	<.1	.6	.3	9	.05	.035	4	27.5	.01	31	.002	<1	.13	.008	.08	5.6	.06	.9	<.1	<.05	<1
PV02-R17	10.3	7.2	1.4	7	1.0	9.1	2.4	105	.81	49.0	.1	457.1	.2	7	<.1	.6	.1	8	.07	.028	3	41.6	.07	25	.002	<1	.23	.002	.09	4.7	.02	.7	<.1	<.05	1
STANDARD DS4	7.2	131.4	32.5	154	.3	36.9	12.6	888	3.22	23.0	7.6	26.4	3.9	27	5.4	5.2	5.4	77	.51	.097	17	163.0	.59	149	.093	1	1.68	.031	.16	4.1	.28	3.8	1.1	.07	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: ROCK R150 60C

DATE RECEIVED: SEP 13 2002 **DATE REPORT MAILED:** Sept 23/02 **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 PV02-3 File # A203804 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
G-1	1.6	2.8	2.6	45	<.1	5.0	4.5	548	1.61	<.5	2.9	.5	5.6	66	<.1	.1	.2	40	.53	.093	9	14.9	.55	201	.126	<1	.83	.062	.44	2.1	<.01	1.8	.3	<.05	4
2650E 4100N	.6	20.5	3.4	70	.2	29.6	10.1	589	2.18	5.1	.4	10.7	1.1	84	.1	.4	<.1	69	.63	.080	8	43.8	.48	120	.114	1	1.69	.036	.12	.1	.03	4.5	<.1	<.05	4
2650E 4090N	.6	25.1	4.3	52	.2	34.2	12.9	536	2.55	8.6	.5	20.9	1.6	100	.1	.7	<.1	78	.71	.063	14	51.4	.72	113	.110	1	1.74	.040	.13	.1	.04	6.6	.1	<.05	5
2650E 4080N	.6	23.7	3.8	73	.3	34.2	12.2	597	2.49	6.6	.4	16.2	1.2	82	.1	.5	.1	67	.64	.113	8	44.5	.58	131	.102	1	2.13	.025	.13	<.1	.03	4.7	<.1	<.05	5
2650E 4070N	.6	19.2	3.8	63	.1	30.6	11.0	458	2.43	4.5	.3	1.0	1.1	69	.1	.4	.1	73	.43	.099	5	48.2	.51	108	.123	1	2.18	.029	.09	<.1	.03	3.9	<.1	<.05	5
2650E 4060N	.6	21.9	4.0	82	.2	34.4	11.5	455	2.41	5.6	.4	2.3	1.5	40	.1	.3	.1	72	.45	.150	7	48.8	.56	124	.124	1	2.61	.025	.11	.1	.02	4.0	<.1	<.05	7
2650E 4050N	.6	24.1	3.5	64	.2	34.0	11.6	545	2.60	5.2	.3	5.2	1.2	44	.1	.4	.1	76	.63	.073	7	50.1	.60	115	.122	1	2.03	.036	.11	.1	.04	4.6	<.1	<.05	5
2650E 4040N	.6	24.6	3.8	54	.2	36.6	14.3	478	2.78	8.6	.5	5.7	1.5	38	.1	.7	.1	88	.57	.049	10	54.3	.77	100	.130	1	1.98	.045	.13	.1	.03	6.9	<.1	<.05	5
2650E 4030N	.7	30.0	3.6	56	.3	40.8	15.1	501	3.04	11.4	.5	266.1	1.8	66	<.1	.7	<.1	92	.66	.070	13	57.1	.88	105	.130	1	2.27	.053	.10	.1	.03	8.2	.1	<.05	5
2650E 4020N	.6	27.2	3.9	70	.3	40.4	14.7	632	2.93	10.9	.4	30.0	1.4	78	.1	.7	.1	81	.81	.102	12	53.0	.83	138	.116	2	2.27	.040	.21	.1	.04	7.1	.1	<.05	6
2700E 3775N	.5	18.8	4.2	56	.2	26.3	9.9	417	2.31	4.2	.5	2.9	1.1	47	.1	.5	.1	71	.57	.040	7	43.9	.59	100	.141	1	1.75	.050	.11	.1	.02	4.3	<.1	<.05	5
2700E 3770N	.6	19.2	3.8	61	.2	25.8	10.6	378	2.38	5.1	.6	11.3	1.1	68	.1	.5	.1	70	.65	.031	7	45.2	.58	94	.137	1	1.64	.058	.09	.1	.02	4.6	.1	<.05	5
2700E 3765N	.5	19.3	4.2	54	.3	26.3	11.3	512	2.52	5.4	.6	12.0	1.3	83	<.1	.5	.1	72	.77	.029	7	47.5	.62	94	.139	1	1.76	.063	.08	.1	.03	5.5	.1	<.05	5
2700E 3760N	.5	22.5	3.9	58	.3	28.8	12.5	477	2.83	5.9	.7	6.0	1.4	97	.1	.5	.1	76	.90	.029	9	54.9	.70	99	.131	1	1.98	.064	.09	.1	.04	7.2	.1	<.05	6
2700E 3755N	.5	22.4	3.9	49	.3	26.9	11.1	500	2.55	6.2	.8	4.7	1.2	93	.1	.5	.1	73	1.01	.031	11	46.2	.60	91	.123	2	1.66	.058	.08	.1	.06	5.8	.1	<.05	5
2700E 3750N	.5	21.5	4.1	50	.2	28.6	12.4	420	2.72	5.6	.7	3.1	1.4	60	.1	.6	.1	80	.73	.030	10	49.5	.66	99	.147	2	1.76	.063	.10	.1	.03	5.6	.1	<.05	5
2700E 3740N	.6	29.6	4.6	61	.2	34.3	13.1	631	2.58	6.1	.5	21.8	1.0	68	.1	.5	.1	75	1.09	.048	15	45.4	.73	114	.124	3	1.87	.057	.10	.1	.09	6.0	.1	<.05	5
2700E 3730N	.7	19.9	4.1	57	.2	28.5	12.4	426	2.71	5.5	.3	23.2	1.2	33	.1	.6	.1	81	.50	.053	8	45.5	.59	109	.157	1	1.72	.040	.14	.1	.03	4.9	<.1	<.05	5
RE 2700E 3730N	.7	19.9	4.1	58	.1	29.3	12.1	418	2.56	5.5	.4	23.8	1.1	24	<.1	.6	.1	84	.47	.054	8	46.8	.60	111	.153	1	1.58	.038	.14	.1	.04	4.7	<.1	<.05	5
2850E 3770N	.6	10.1	5.4	111	<.1	17.2	7.2	823	1.87	5.0	.2	7.0	1.0	7	.2	.3	.1	52	.43	.116	5	27.7	.26	261	.095	<1	1.67	.015	.08	<.1	.03	2.3	<.1	<.05	5
2850E 3765N	.6	20.0	4.0	70	.1	29.9	10.6	320	2.82	5.9	.4	3.8	1.5	48	.1	.5	.1	81	.44	.064	8	47.0	.54	161	.142	1	2.10	.022	.11	.1	.04	4.9	<.1	<.05	6
2850E 3760N	.6	17.5	4.2	70	.1	28.1	9.9	374	2.63	4.6	.3	7.4	1.2	44	.1	.6	.1	78	.41	.042	7	47.8	.53	158	.148	<1	2.13	.029	.08	.1	.03	4.4	.1	<.05	6
2850E 3755N	.6	25.3	4.6	59	.1	38.2	14.4	333	3.20	8.4	.4	13.7	1.8	90	.1	.7	.1	96	.51	.058	10	57.1	.79	138	.157	1	2.50	.033	.07	.1	.03	6.9	.1	<.05	6
2850E 3750N	.6	32.2	4.2	54	.3	42.3	15.0	474	3.25	13.7	.5	10.7	1.6	130	.1	.7	.1	92	.76	.083	20	56.9	1.00	130	.132	1	2.65	.045	.07	.1	.04	8.8	.1	<.05	7
2850E 3740N	.6	23.8	4.0	66	.2	39.3	13.8	406	3.14	6.4	.4	9.2	1.5	86	.1	.5	.1	88	.55	.069	10	58.4	.78	170	.154	1	2.85	.033	.10	.1	.03	6.7	.1	<.05	7
2850E 3730N	.6	23.3	4.2	59	.1	36.2	13.9	355	3.09	7.1	.4	6.7	1.6	78	.1	.6	.1	84	.49	.052	10	51.6	.80	159	.139	<1	2.57	.030	.08	.1	.03	6.4	<.1	<.05	7
2850E 3720N	.6	37.3	4.8	54	.2	50.5	17.0	593	3.68	15.3	.6	27.3	2.0	111	.1	.7	.1	91	.81	.086	17	61.4	1.27	167	.108	<1	3.11	.046	.11	.1	.05	11.4	.1	<.05	8
2850E 3710N	.7	25.0	5.1	65	.2	34.1	15.3	701	3.05	8.8	.5	23.2	1.5	39	.1	.6	.1	85	.63	.056	15	52.0	.74	141	.139	1	2.18	.044	.12	.1	.07	7.5	.1	<.05	6
3150E 3900N	.8	26.4	5.6	108	.1	15.9	7.4	742	2.41	4.7	.2	7.0	1.1	7	.2	.3	.1	68	.44	.055	5	32.2	.26	226	.092	2	1.57	.022	.08	<.1	.02	3.4	<.1	<.05	5
3150E 3875N	1.0	17.4	4.1	82	.1	11.4	5.7	318	2.22	8.0	.3	.9	.8	1	.1	.5	.1	59	.30	.044	5	23.3	.14	343	.048	1	.97	.018	.06	<.1	.04	3.1	<.1	<.05	4
3150E 3850N	1.0	12.1	4.0	58	.1	15.2	6.3	532	2.24	3.6	.2	4.5	.8	6	.1	.3	.1	64	.39	.037	6	30.1	.27	293	.089	2	1.42	.022	.10	<.1	.02	3.1	<.1	<.05	5
3150E 3825N	1.0	15.5	4.7	91	.1	18.8	8.0	619	2.22	4.7	.3	1.4	1.0	50	.2	.3	.1	61	.64	.050	8	33.0	.32	416	.083	3	1.40	.025	.15	<.1	.04	3.7	<.1	<.05	5
3150E 3800N	.7	14.0	6.4	91	.1	15.0	8.3	823	2.00	4.3	.4	1.0	1.2	47	.4	.2	.1	52	.34	.046	8	25.7	.28	316	.069	2	1.36	.025	.17	<.1	.02	3.0	.1	<.05	4
3200E 3875N	.5	19.9	4.1	75	.1	39.9	10.2	436	2.84	3.2	.3	9.1	1.3	83	.1	.3	.1	82	.48	.057	5	57.2	.59	156	.150	1	2.35	.046	.13	<.1	.02	5.5	<.1	<.05	7
3200E 3825N	.9	16.0	5.7	90	.1	25.7	8.8	824	2.04	3.0	.3	6.3	.9	77	.2	.2	.1	60	.61	.067	7	39.1	.40	289	.112	2	1.81	.038	.12	<.1	.04	4.0	<.1	<.05	5
STANDARD DS4	7.1	132.4	33.3	152	.4	36.1	12.7	818	3.09	24.0	6.0	25.5	4.2	28	5.0	5.4	5.5	75	.54	.088	17	165.5	.57	142	.088	1	1.72	.032	.17	3.7	.29	3.7	1.1	.06	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: SEP 13 2002 DATE REPORT MAILED: Sept 24/02 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
G-1	1.4	2.6	2.2	40	<.1	4.0	3.9	555	1.83	1.0	3.4	.5	5.6	80	<.1	<.1	.2	37	.58	.103	9	12.7	.54	206	.121	1	.88	.064	.48	2.2	<.01	2.1	.3	<.05	5
3250E 3900N	.5	38.7	4.0	55	.1	66.6	16.2	458	3.10	4.3	.4	4.6	1.4	122	<.1	.2	.1	96	.73	.057	8	137.2	1.50	120	.133	2	2.32	.076	.08	<.1	.02	7.5	<.1	<.05	7
3250E 3875N	.5	24.4	3.8	70	.2	47.6	11.2	500	2.70	3.6	.3	12.7	.9	100	.1	.2	.1	75	.63	.108	6	82.0	.86	174	.125	2	2.76	.051	.16	<.1	.02	5.2	<.1	<.05	7
3250E 3850N	.5	23.1	4.5	67	.1	38.8	10.9	514	2.34	2.6	.3	.5	.8	84	.1	.2	.1	72	.72	.034	6	91.8	.74	176	.130	2	1.99	.051	.10	<.1	.02	4.0	<.1	<.05	6
3250E 3825N	.4	22.5	4.4	93	.1	35.6	9.3	570	2.52	2.6	.3	7.7	.9	75	.1	.2	.1	70	.49	.079	4	81.9	.64	198	.133	2	2.33	.045	.15	<.1	.02	3.8	<.1	<.05	6
3250E 3800N	.5	18.5	3.6	79	.1	27.9	8.3	533	2.35	2.9	.2	46.0	.8	74	.1	.3	.1	73	.51	.059	4	71.6	.49	198	.139	2	1.76	.050	.16	<.1	.01	3.7	<.1	<.05	5
STANDARD DS4	7.0	121.4	32.2	153	.3	35.5	12.6	834	3.20	23.0	6.6	27.0	4.2	30	5.2	5.2	5.5	75	.60	.091	18	169.3	.63	148	.104	2	1.90	.033	.18	3.9	.28	4.0	1.1	<.05	6

Sample type: SOIL SS80 60C.

Data f 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 PV02-4 File # A203886 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
G-1	1.5	2.8	2.1	40	<.1	3.9	3.6	446	1.60	1.0	2.0	<.5	4.3	83	<.1	<.1	.1	40	.54	.087	7	40.6	.47	215	.119	1	.91	.073	.47	.7	<.01	2.0	.3	<.05	4
2800E 4105N	.9	17.2	3.9	61	.1	25.6	10.0	324	2.51	9.3	.4	14.8	1.1	69	<.1	.6	.1	76	.49	.063	6	38.5	.62	129	.133	<1	1.79	.023	.09	.1	.02	5.0	<.1	<.05	5
2800E 4010N	.5	21.2	4.0	58	.1	34.4	12.6	302	2.93	7.4	.4	11.9	1.4	82	.1	.5	.1	87	.50	.099	8	48.7	.79	133	.149	1	2.47	.031	.11	<.1	.02	5.7	<.1	<.05	6
2800E 4005N	.5	23.4	3.7	56	.1	31.0	10.9	351	2.86	7.0	.5	1.9	1.5	82	.1	.5	.1	88	.51	.050	9	50.5	.79	126	.150	2	2.21	.035	.13	<.1	.03	6.7	.1	<.05	5
2800E 3995N	.7	36.3	4.6	54	.3	42.3	14.3	453	3.49	24.6	1.0	132.3	1.9	103	.1	.8	.1	95	.85	.068	19	58.9	1.18	117	.087	2	2.56	.042	.09	<.1	.08	11.8	.1	<.05	6
2800E 3990N	.7	38.3	4.2	58	.3	45.4	14.2	435	3.50	19.4	.7	23.6	1.9	55	<.1	.6	.1	91	.81	.079	18	60.1	1.26	120	.080	1	2.80	.033	.10	<.1	.07	11.3	.1	<.05	6
2800E 3985N	.5	27.1	3.7	50	.1	38.3	12.2	316	3.08	8.7	.6	26.8	1.6	62	<.1	.6	.1	91	.60	.063	12	50.6	.88	126	.141	1	2.27	.038	.12	<.1	.02	8.0	.1	<.05	5
2800E 3980N	.5	14.5	3.7	47	.1	20.7	8.9	322	2.25	2.8	.3	2.3	1.0	24	<.1	.4	.1	70	.36	.044	4	40.2	.41	121	.155	1	1.43	.032	.13	<.1	.01	3.6	<.1	<.05	4
3000E 4270N	.9	14.8	4.5	65	.1	19.4	8.0	264	2.08	3.6	.4	2.8	.7	49	.1	.4	.1	60	.39	.044	6	30.9	.40	111	.138	1	1.65	.022	.08	<.1	.03	3.4	<.1	<.05	5
3000E 4265N	.8	17.2	5.0	68	.1	21.3	7.3	453	1.94	5.0	1.1	2.7	1.1	53	.1	.3	.1	55	.45	.031	12	31.1	.49	103	.121	1	1.90	.032	.07	<.1	.02	5.7	<.1	<.05	5
3000E 4260N	.8	13.9	4.2	66	.1	20.4	7.6	271	2.13	3.7	.4	1.2	.8	62	.1	.5	.1	60	.47	.059	5	34.0	.42	128	.129	2	1.81	.027	.07	.1	.02	3.2	<.1	<.05	5
3000E 4255N	.8	14.7	4.0	75	.1	22.8	9.1	321	2.11	3.5	.4	<.5	.9	50	.1	.3	.1	58	.37	.077	6	34.0	.44	123	.126	<1	1.93	.024	.09	<.1	.02	3.4	<.1	<.05	5
PV02-S1	.4	29.0	3.1	51	.1	39.8	12.7	417	3.03	8.6	.5	3.2	1.5	89	<.1	.5	.1	85	.70	.086	11	56.1	.99	119	.106	1	2.96	.034	.11	.1	.02	9.1	.1	<.05	6
PV02-S2	.4	17.4	3.8	60	.1	26.5	10.3	527	2.51	3.1	.3	20.3	1.0	39	.1	.5	.1	73	.48	.067	6	46.0	.57	121	.131	1	1.98	.029	.17	<.1	.02	4.7	<.1	<.05	5
PV02-S3	.4	16.2	3.4	55	.1	21.5	9.6	332	2.16	3.1	.3	.7	.9	22	<.1	.4	.1	60	.33	.080	5	35.8	.46	114	.109	1	1.79	.023	.10	<.1	.01	3.6	<.1	<.05	4
PV02-S4	.4	27.5	3.1	57	.1	37.7	12.1	385	3.08	6.4	.5	3.6	1.5	64	.1	.5	.1	91	.60	.070	10	52.2	.96	132	.121	<1	2.56	.038	.09	<.1	.02	7.3	<.1	<.05	6
PV02-S5	.4	30.3	3.3	50	.1	38.3	12.7	495	3.07	7.9	.9	4.1	1.6	87	.1	.5	<.1	90	.73	.074	12	57.5	.96	120	.126	1	2.40	.052	.08	<.1	.03	9.7	<.1	<.05	6
PV02-S6	.4	27.5	3.0	47	.1	32.4	12.8	398	2.84	7.5	.6	3.0	1.6	39	.1	.5	.1	84	.62	.064	10	49.6	.95	117	.114	1	2.28	.041	.08	<.1	.02	7.6	<.1	<.05	5
PV02-S7	.4	29.6	3.3	52	.1	33.6	13.2	417	3.04	7.8	.4	3.8	1.5	81	.1	.5	.1	88	.70	.076	11	48.3	.94	122	.107	<1	2.24	.035	.11	<.1	.02	8.2	.1	<.05	6
PV02-S8	.4	33.6	3.9	52	.1	39.3	16.2	705	3.23	14.5	.5	8.9	1.7	125	.1	.7	.1	90	.97	.090	14	52.2	1.17	124	.094	1	2.09	.065	.06	<.1	.04	9.2	.1	<.05	5
PV02-S9	.4	31.3	3.9	54	.1	42.9	15.0	512	3.36	11.2	.9	7.2	1.9	94	.1	.7	.1	93	.88	.083	16	56.0	1.22	140	.102	1	2.62	.053	.08	<.1	.03	10.0	.1	<.05	6
PV02-S10	.4	33.4	4.1	56	.1	44.5	16.2	517	3.24	8.8	.9	7.1	1.7	76	.1	.9	.1	80	.90	.088	15	53.6	1.24	146	.103	1	2.34	.045	.09	<.1	.04	8.9	.1	<.05	6
RE PV02-S10	.4	31.0	4.1	56	.1	42.2	15.5	526	3.07	8.5	.9	33.6	1.6	101	.1	.8	.1	78	.91	.082	14	52.8	1.19	143	.102	2	2.30	.043	.09	.1	.04	8.7	.1	<.05	6
PV02-S11	.4	30.1	3.7	57	.1	40.2	13.7	514	3.11	12.0	.7	11.1	1.6	49	.1	.7	.1	87	.74	.069	12	53.8	.94	129	.113	1	2.24	.046	.08	<.1	.02	8.4	.1	<.05	6
PV02-S12	.4	31.9	3.1	46	.2	38.9	14.2	415	3.08	12.0	.5	84.4	1.6	34	.1	.7	<.1	93	.68	.082	12	56.5	.93	118	.123	1	2.65	.034	.09	.1	.02	9.4	.1	<.05	6
PV02-S13	.7	20.7	5.2	52	.2	25.2	9.4	646	2.12	5.9	.6	6.0	.9	22	.1	.4	.1	60	.64	.059	9	36.4	.52	123	.097	1	1.77	.028	.10	<.1	.04	4.6	<.1	<.05	4
PV02-S14	.4	20.5	3.3	48	.1	28.4	10.0	263	2.59	5.2	.4	4.2	1.2	39	.1	.4	.1	77	.44	.050	6	45.3	.59	133	.131	1	2.17	.032	.10	<.1	.02	4.5	<.1	<.05	5
PV02-S15	.6	16.4	4.7	58	.1	22.1	9.1	567	2.16	4.6	.3	.9	.9	6	.1	.4	.1	59	.47	.084	5	37.5	.41	139	.105	2	1.75	.021	.11	<.1	.03	3.4	<.1	<.05	5
PV02-S16	.4	16.8	4.1	80	.1	24.2	9.7	501	2.14	4.2	.3	<.5	.8	71	.1	.4	.1	57	.60	.168	5	35.6	.48	153	.095	2	2.01	.020	.13	<.1	.04	3.6	<.1	<.05	5
PV02-S17	.5	24.5	2.9	49	.1	33.9	11.9	368	3.11	8.9	.4	3.4	1.4	90	.1	.5	.1	91	.59	.078	9	49.2	.83	141	.100	<1	2.34	.027	.08	<.1	.02	6.1	<.1	<.05	5
PV02-S18	.4	26.1	3.5	47	.1	37.3	13.4	519	3.15	14.3	.7	15.7	1.6	107	.1	.8	.1	85	.75	.077	13	51.6	.91	153	.119	1	2.07	.055	.07	<.1	.03	8.3	<.1	<.05	5
PV02-S19	.4	28.0	2.9	47	.2	35.1	11.7	358	2.90	12.7	.6	34.6	1.7	94	.1	.7	.1	82	.62	.053	14	52.1	.87	127	.117	1	2.49	.042	.07	.1	.03	9.7	.1	<.05	6
PV02-S20	.4	29.6	3.1	44	.2	33.7	11.2	382	3.02	20.2	.6	28.2	1.5	100	.1	.7	.1	90	.63	.061	12	52.7	.78	129	.120	1	2.27	.050	.06	.1	.04	8.5	<.1	<.05	5
PV02-S21	.4	30.8	3.1	47	.2	36.0	12.5	401	2.92	13.5	.5	16.7	1.5	68	.1	.7	<.1	91	.66	.076	11	53.1	.84	127	.120	<1	2.11	.047	.06	<.1	.03	8.3	<.1	<.05	5
PV02-S22	.4	29.9	3.3	48	.2	33.6	12.7	589	2.84	16.8	.4	92.2	1.5	71	.1	.8	<.1	84	.87	.095	13	44.3	.92	119	.110	<1	1.60	.074	.05	<.1	.05	7.1	.1	<.05	4
STANDARD DS4	6.7	125.3	30.2	151	.3	34.6	11.5	776	2.93	24.1	6.2	29.1	3.6	29	5.4	5.0	5.2	71	.54	.089	16	159.1	.54	155	.089	2	1.69	.033	.15	3.7	.26	3.5	1.0	<.05	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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.

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DATE RECEIVED: SEP 16 2002 DATE REPORT MAILED: Nov 15/02 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 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
G-1	1.6	2.9	2.7	40	<.1	4.2	3.7	529	1.83	1.0	2.1	<.5	4.9	60	<.1	<.1	.2	38	.65	.093	9	44.7	.52	221	.131	<1	.98	.087	.46	.9	.01	2.2	.3	<.05	5
PV02-S23	.4	28.0	3.7	58	.2	33.0	12.4	443	2.93	8.4	.6	5.0	1.7	80	<.1	.4	.1	83	.61	.041	12	55.2	.79	108	.145	<1	2.51	.056	.08	<.1	.03	8.3	.1	<.05	6
STANDARD DS6	6.1	123.6	31.9	152	.3	33.4	12.0	803	3.04	23.7	6.2	25.0	3.5	29	5.6	5.0	5.3	72	.55	.088	16	157.8	.54	153	.095	1	1.73	.031	.15	3.8	.26	3.6	1.1	.06	6

Sample type: SOIL S580 60C.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-4 File # A203887

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
SI	.2	.4	1.1	<1	<.1	.4	<.1	3	.02	1.3	<.1	1.6	<.1	1	<.1	.2	<.1	<1	.09	<.001	<1	1.3	<.01	3	<.001	<1	<.01	.436	<.01	.3	.01	<.1	<.1	<.05	<1
PV02-R18	.9	36.4	4.2	58	.2	66.1	26.9	1284	4.12	17.1	.5	80.8	1.6	67	.1	1.3	<.1	100	.46	.202	19	92.1	.13	88	.016	1	.87	.049	.06	.8	.03	8.3	<.1	.08	3
PV02-R19	8.1	37.3	2.5	21	.7	37.7	10.2	276	1.48	45.5	.1	58.3	.1	18	.2	7.7	<.1	28	.07	.005	1	47.9	.05	17	.003	<1	.21	.005	.01	10.1	3.34	3.3	<.1	.38	1
PV02-R20	5.9	8.4	3.5	32	.5	44.0	14.6	644	2.92	27.8	.1	60.5	.5	32	.1	.5	<.1	50	1.05	.109	11	63.4	.72	28	.005	1	.60	.031	.04	3.5	.05	4.6	<.1	.56	3
PV02-R21	5.1	8.1	1.3	4	.3	11.8	1.8	177	.75	13.4	.1	3.1	.1	1	<.1	.4	<.1	11	.03	.014	1	37.5	.01	8	.002	<1	.11	.001	.01	16.9	.05	.8	<.1	<.05	<1
PV02-R22	3.0	9.0	1.6	7	.4	14.0	3.5	90	1.01	18.9	.1	299.9	.1	1	<.1	.6	<.1	28	.03	.008	1	43.5	.02	4	.003	<1	.14	.002	.02	8.1	.02	1.2	<.1	<.05	<1
PV02-R23	10.7	33.1	3.1	20	17.5	33.2	9.2	264	1.97	59.6	.2	346.0	.5	22	<.1	2.5	<.1	39	.10	.051	5	47.4	.04	33	.005	1	.36	.003	.10	8.2	1.67	3.8	<.1	.14	1
PV02-R24	11.7	36.2	2.2	19	3.1	23.9	8.1	289	1.74	173.4	.1	1716.1	.3	14	<.1	1.3	<.1	28	.70	.055	5	43.4	.54	13	.004	<1	.64	.007	.10	8.4	.11	1.5	.1	.55	3
PV02-R25	33.3	17.7	4.9	34	1.4	45.4	14.6	469	3.11	157.9	.2	238.6	.9	36	.1	1.7	<.1	49	1.14	.108	10	53.6	.48	32	.004	1	.59	.013	.15	4.1	.13	4.7	.1	.89	2
RE PV02-R25	33.5	17.3	4.8	34	1.4	45.0	14.5	457	3.11	156.8	.2	212.0	.9	37	<.1	1.8	<.1	47	1.13	.106	10	54.3	.49	31	.004	1	.58	.014	.15	3.9	.14	4.8	.1	.88	2
PV02-R26	8.8	37.3	5.0	45	2.3	46.1	15.8	305	3.49	227.1	.2	353.6	1.0	11	.1	1.2	<.1	45	.24	.109	10	39.4	.07	37	.002	2	.61	.003	.25	2.3	.20	3.4	.1	.06	2
PV02-R27	8.0	16.0	2.6	21	1.0	32.7	9.4	149	2.10	88.2	.2	57.0	.6	17	<.1	1.2	<.1	30	.14	.066	5	43.1	.02	20	.006	1	.42	.011	.08	6.6	.16	2.9	<.1	<.05	1
STANDARD DS4	6.3	124.2	31.6	155	.3	34.1	11.6	804	3.10	23.4	6.2	26.0	3.6	29	5.2	5.1	4.9	73	.55	.090	16	161.1	.56	150	.086	1	1.68	.034	.16	3.6	.25	3.5	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: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 16 2002 **DATE REPORT MAILED:** Sept 28/02 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-5 File # A204393 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
SI	.2	2.2	.3	1	<.1	.1	.7	6	.03	<.5	<.1	<.5	<.1	3	<.1	<.1	<.1	<1	.11	<.001	<1	1.9	<.01	3	<.001	<1	.01	.528	<.01	.3	<.01	<.1	<.1	<.05	<1
PV02-R28	7.2	27.4	1.6	10	1.0	10.8	6.1	110	.94	95.7	.1	404.8	.2	19	<.1	2.0	.1	22	.07	.019	2	52.6	.03	64	.001	1	.14	.005	.03	1.7	.52	1.7	.1	.15	1
PV02-R29	32.1	12.5	4.1	30	3.7	30.2	10.1	420	2.14	175.3	.3	6423.5	.6	33	<.1	5.5	<.1	65	.06	.038	4	37.8	.02	45	.002	1	.25	.006	.06	1.3	.45	4.6	.1	.06	1
PV02-R30	1.9	21.6	1.4	14	.1	9.0	5.6	644	.93	6.5	.3	5.6	.5	25	.1	.7	<.1	35	.27	.051	5	56.1	.13	59	.007	2	.40	.004	.01	.5	.02	4.3	<.1	<.05	1
PV02-R31	14.8	8.3	1.0	10	3.1	9.0	3.6	149	1.03	93.8	.1	813.5	.3	11	<.1	.8	<.1	12	.16	.032	3	26.1	.13	29	.002	<1	.22	.003	.09	3.3	.01	.9	.1	<.05	1
PV02-R32	3.2	25.4	1.3	14	.8	8.8	7.2	714	1.01	19.4	.1	210.2	.2	12	.1	.6	.1	17	.09	.026	4	54.1	.05	40	.001	<1	.15	.002	.04	1.5	.42	1.3	<.1	<.05	<1
PV02-R33	5.2	42.8	2.1	21	2.4	17.1	8.8	277	1.78	106.0	.1	1069.9	.3	7	<.1	.6	<.1	21	.12	.050	3	28.2	.05	26	.001	1	.23	.003	.11	3.4	.11	1.4	.1	.32	1
PV02-R34	48.5	10.4	1.5	9	3.2	24.7	9.1	115	1.06	222.7	.5	456.1	.3	61	<.1	3.1	<.1	21	.24	.016	2	74.4	.14	146	.001	2	.18	.002	.02	1.7	.16	1.6	.4	.45	1
PV02-R35	3.7	4.8	2.1	27	<.1	15.4	8.5	559	1.30	2.5	.1	3.2	<.1	277	<.1	.1	<.1	28	4.40	.003	1	31.0	2.13	21	.001	<1	.04	.008	.01	4.4	<.01	1.0	<.1	<.05	<1
PV02-R36	12.4	16.2	3.4	27	1.0	43.2	13.6	350	2.57	178.8	.1	139.7	.8	34	<.1	1.1	<.1	48	.34	.084	5	68.9	.15	29	.005	1	.26	.011	.05	.7	.08	5.0	<.1	.25	1
PV02-R37	4.9	6.0	.7	4	2.5	4.5	1.5	81	.39	9.1	<.1	2270.3	.1	4	<.1	.4	<.1	2	.12	.006	1	26.7	.04	4	<.001	<1	.07	.002	.02	6.2	.05	.1	<.1	<.05	<1
PV02-R38	165.2	9.5	5.7	35	1.7	42.8	15.5	502	2.45	15.1	.1	27.0	.7	33	<.1	.4	.1	35	.89	.081	10	72.8	.47	45	.004	1	.38	.018	.04	.6	.04	5.2	.2	.41	2
PV02-R39	1.4	306.4	1.4	36	.3	35.8	13.7	792	3.33	49.4	.4	15.0	1.1	98	.2	9.2	<.1	82	4.33	.154	18	63.8	1.43	39	.047	2	.38	.028	.07	1.1	.43	8.0	<.1	<.05	2
PVT027-R1	3.3	61.8	2.1	69	<.1	38.3	16.7	873	3.54	5.8	.8	.5	2.6	35	.1	.1	.1	46	.22	.020	12	34.3	.21	945	.002	9	1.04	.014	.30	<.1	.01	11.5	.1	<.05	5
PVT027-R2	1.9	35.9	7.2	50	.1	11.1	8.5	517	2.14	7.2	.8	<.5	2.8	38	.3	.1	.1	37	.23	.036	15	15.4	.17	160	.002	8	.90	.029	.20	<.1	.01	4.9	.1	<.05	3
PVT028-R1	3.3	19.9	1.8	23	<.1	36.1	9.4	5067	1.80	10.2	.3	.5	1.0	114	.1	.1	<.1	31	.56	.038	5	36.5	.13	451	.003	2	.78	.109	.06	1.5	<.01	5.1	<.1	<.05	1
PVT028-R2	.8	45.6	2.8	58	<.1	64.8	20.5	1703	3.93	14.2	1.1	.7	2.4	89	<.1	.1	.1	75	1.01	.084	12	60.9	.39	167	.002	11	1.53	.147	.05	<.1	<.01	13.6	<.1	<.05	3
PVT028-R3	1.2	47.3	2.9	63	<.1	56.2	20.9	866	3.77	12.0	.7	2.3	2.2	150	.1	<.1	<.1	74	1.06	.081	12	72.0	.32	350	.007	3	1.60	.168	.08	.2	<.01	11.8	<.1	<.05	4
PVT028-R4	2.0	46.6	3.7	55	<.1	66.4	26.4	2478	4.05	38.3	.6	1.8	2.0	139	.1	.1	<.1	65	.67	.065	8	60.1	.28	461	.002	6	1.23	.133	.08	.1	.01	11.5	.1	<.05	3
PVT028-R5	.6	44.9	3.4	50	<.1	46.6	17.7	851	3.53	17.5	.7	1.8	2.4	137	<.1	<.1	<.1	68	1.17	.083	12	62.2	.39	337	.018	2	1.91	.202	.09	<.1	<.01	12.2	.1	<.05	4
PVT028-R6	1.1	40.3	3.1	45	<.1	40.1	17.3	818	3.31	15.7	.6	1.4	2.0	147	<.1	.1	<.1	63	1.00	.072	12	56.3	.31	379	.015	2	1.61	.200	.09	.1	<.01	10.2	<.1	<.05	3
PVT028-R7	.7	42.3	171.1	56	.1	50.1	20.4	1543	3.56	20.9	.7	4.1	2.4	152	.1	.1	.1	68	1.00	.082	12	62.5	.32	360	.006	5	1.63	.167	.09	<.1	<.01	12.2	<.1	<.05	4
PVT028-R8	1.3	44.4	3.5	56	<.1	55.1	19.8	865	3.64	23.2	.6	1.9	2.1	148	<.1	<.1	<.1	72	1.16	.072	12	75.6	.29	323	.009	2	1.82	.218	.07	.2	<.01	12.4	<.1	<.05	4
PVT028-R9	.8	41.6	2.7	50	<.1	47.9	19.5	1083	3.36	22.4	.6	.8	1.9	148	<.1	.1	<.1	70	1.10	.080	11	72.5	.25	369	.006	6	1.66	.203	.07	.1	<.01	11.2	<.1	<.05	3
PVT028-R10	3.1	30.8	3.6	41	<.1	48.5	18.5	2402	2.80	53.3	.4	1.4	1.3	124	.1	.1	<.1	50	.86	.043	5	44.6	.31	411	.001	6	.73	.110	.06	.7	.01	8.6	.1	.11	2
RE PVT028-R10	3.1	29.5	3.8	38	<.1	48.4	18.9	2240	2.64	50.6	.4	.9	1.4	114	.1	.1	<.1	49	.84	.046	5	42.2	.32	375	.001	5	.73	.116	.06	.7	.01	8.2	.1	.10	2
PVT028-R11	3.0	9.1	.6	21	<.1	29.0	11.9	6638	2.41	9.1	.1	1.4	.3	53	<.1	.1	<.1	21	2.76	.015	3	85.8	1.05	428	.003	2	.38	.048	.02	1.2	<.01	3.0	<.1	<.05	1
PVT028-R12	2.2	15.6	6.2	60	.1	13.0	8.4	786	2.11	31.8	.4	1.7	1.8	31	.2	.2	.1	45	.09	.010	3	8.1	.09	254	.002	5	.56	.007	.08	.1	.01	5.6	.1	<.05	2
PVT029-R1	2.0	31.7	2.4	40	<.1	32.4	12.4	1295	2.33	13.3	.4	.9	1.4	60	.1	.1	<.1	37	.41	.054	7	71.4	.17	111	.001	4	.75	.079	.03	.2	<.01	6.9	<.1	<.05	2
PVT029-R2	4.3	26.0	2.4	38	<.1	42.8	21.4	4638	2.42	15.5	.5	.6	1.1	141	.1	.1	<.1	46	.72	.046	6	48.4	.25	601	.002	4	.89	.114	.05	.7	<.01	8.3	<.1	<.05	2
PVT029-R3	1.4	46.3	3.2	54	.1	48.8	19.2	962	3.89	12.0	.6	.6	2.0	102	.1	<.1	<.1	72	.81	.077	11	80.3	.27	158	.003	6	1.36	.145	.06	<.1	<.01	12.3	<.1	<.05	4
PVT029-R4	1.2	41.1	3.1	57	<.1	49.3	22.5	898	3.62	21.7	.6	<.5	1.9	110	.1	<.1	.1	67	.61	.073	10	63.8	.29	192	.002	6	1.26	.125	.06	.1	<.01	11.0	<.1	<.05	3
PVT029-R5	.9	37.3	3.8	47	<.1	44.0	17.7	1273	3.11	22.4	.7	.9	1.9	151	<.1	.1	<.1	59	.62	.068	9	54.4	.28	313	.002	5	1.19	.120	.07	<.1	<.01	11.0	<.1	<.05	3
PVT029-R6	1.1	41.9	4.1	50	<.1	49.8	22.5	1309	3.47	21.0	.8	<.5	2.0	96	.1	.1	<.1	72	.80	.076	10	61.1	.30	225	.001	7	.97	.061	.07	<.1	<.01	12.0	<.1	<.05	3
PVT029-R7	1.4	44.9	4.5	56	<.1	64.1	24.5	2470	4.16	34.9	.8	<.5	2.2	74	.1	<.1	.1	79	2.29	.086	12	66.5	.42	339	.001	9	1.15	.082	.06	<.1	<.01	13.3	.1	<.05	3
STANDARD DS4	6.6	126.0	30.7	161	.3	35.2	12.5	806	3.19	23.0	6.3	30.2	3.7	29	5.3	4.9	5.0	74	.53	.091	15	165.3	.59	139	.086	1	1.70	.032	.16	4.3	.29	3.8	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: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 2002 DATE REPORT MAILED: Oct 19/02 SIGNED BY: .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 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
PVT029-R8	.8	48.7	4.0	64	<.1	52.2	20.6	1682	4.05	19.3	.8	<.5	2.4	65	.1	<.1	.1	79	1.51	.089	14	60.6	.28	209	.001	8	1.24	.094	.05	<.1	<.01	14.0	<.1	<.05	3
PVT029-R9	1.0	48.9	4.2	56	<.1	53.2	20.9	1432	3.70	27.6	.7	.8	2.1	92	.1	.1	.1	70	2.76	.086	12	70.0	.31	173	.001	6	1.10	.064	.06	<.1	<.01	13.7	<.1	<.05	3
PVT029-R10	1.6	49.8	4.1	64	<.1	74.9	26.7	1808	4.14	65.6	.8	<.5	2.3	55	.1	.1	.1	84	.87	.086	14	70.7	.24	281	.001	8	1.41	.090	.06	.1	<.01	14.6	.1	<.05	3
PVT029-R11	8.0	48.7	4.9	83	<.1	52.0	18.8	1693	4.35	67.7	1.0	<.5	2.5	42	.1	.1	.1	97	.63	.102	15	61.8	.16	297	.001	6	1.01	.019	.09	.2	.01	14.2	.2	<.05	3
PVT029-R12	9.9	14.7	8.5	79	.1	18.9	16.0	994	2.81	31.6	1.0	<.5	2.5	69	.3	.1	.1	40	1.89	.035	15	14.6	.16	1321	<.001	10	.79	.014	.14	<.1	.01	9.3	.2	<.05	2
PVT029-R13	5.0	16.8	1.8	23	<.1	21.3	12.2	992	1.68	10.5	.3	<.5	.7	31	<.1	.1	<.1	27	.37	.026	4	47.9	.12	119	.001	4	.46	.048	.03	3.1	<.01	4.8	<.1	<.05	1
STANDARD DS4	6.5	122.9	29.4	160	.3	35.4	11.9	809	3.00	23.4	6.4	29.3	3.6	28	5.5	4.9	5.0	72	.52	.091	16	161.7	.59	140	.087	1	1.74	.033	.15	4.1	.28	3.5	1.1	<.05	6

Sample type: ROCK R150 60C.

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 PV02-5 File # A204394 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
G-1	1.3	3.3	3.2	40	<.1	4.8	3.8	537	1.93	.8	2.0	.9	4.5	91	<.1	<.1	.1	40	.63	.081	10	13.8	.52	213	.123	2	1.01	.115	.46	2.3	<.01	2.4	.3	<.05	5
4805N 2425E	.5	17.3	4.3	70	<.1	22.6	9.3	358	2.62	1.7	.3	1.1	.8	67	.1	.2	.1	76	.40	.036	5	41.6	.51	120	.150	1	1.86	.026	.08	.1	.02	3.2	<.1	<.05	6
4805N 2450E	.3	11.4	4.7	61	.1	16.1	6.6	202	1.79	1.3	.2	.8	.7	38	<.1	.1	.1	46	.26	.040	4	28.2	.28	82	.113	1	1.70	.020	.05	<.1	.01	2.1	<.1	<.05	5
4805N 2475E	.5	16.3	3.9	78	<.1	26.0	9.6	402	2.51	1.7	.3	<.5	1.0	54	.1	.1	.1	66	.35	.073	4	39.8	.47	141	.132	1	2.26	.024	.11	.1	.03	3.4	<.1	<.05	6
4805N 2500E	.5	17.5	3.6	70	.1	21.1	8.6	358	2.42	1.5	.3	1.0	.8	47	.1	.1	.1	65	.36	.065	6	32.6	.45	97	.083	<1	1.97	.019	.09	<.1	.02	3.4	<.1	<.05	6
4805N 2525E	.3	14.9	3.8	76	.1	15.4	6.2	430	1.84	1.1	.3	1.7	.8	38	.1	.1	.1	46	.33	.047	5	25.1	.31	70	.088	1	1.69	.020	.08	.1	.02	2.9	<.1	<.05	5
4805N 2550E	.4	26.7	4.2	60	.1	29.5	11.6	615	2.54	2.9	.7	<.5	1.0	69	.1	.3	.1	66	.56	.052	15	39.3	.62	94	.107	1	2.29	.029	.08	.1	.03	6.0	<.1	<.05	6
4805N 2575E	.4	29.4	3.9	68	.1	35.9	11.1	525	2.81	3.5	.9	<.5	1.0	82	.1	.2	.1	67	.78	.056	15	43.0	.79	121	.096	1	2.90	.030	.09	.1	.03	8.0	.1	<.05	8
4805N 2600E	.5	28.6	3.9	57	.1	39.8	13.7	644	2.96	4.8	1.5	<.5	1.1	110	.2	.3	.1	73	.92	.070	14	44.4	.93	128	.087	3	2.55	.048	.09	.1	.05	8.2	.1	<.05	7
4805N 2625E	.6	34.7	4.6	72	.2	43.6	15.2	888	3.01	5.3	1.3	1.4	.7	96	.1	.4	.1	76	1.00	.095	15	45.7	.90	115	.081	3	2.66	.043	.12	.1	.04	7.5	.1	<.05	7
4805N 2650E	.6	34.5	4.3	75	.1	42.8	15.2	911	3.07	5.3	1.1	.5	.6	94	.1	.3	.1	73	.95	.094	16	46.8	.94	125	.078	2	2.65	.050	.12	.1	.04	7.7	.1	<.05	7
4805N 2675E	.5	26.2	3.9	51	.1	42.2	14.7	683	3.41	5.9	.8	1.5	1.5	126	.1	.4	.1	91	.86	.065	13	52.6	1.11	129	.124	2	2.32	.083	.06	.1	.03	9.2	.1	<.05	6
4805N 2700E	.6	20.8	3.9	81	.1	31.0	11.8	671	2.47	3.8	.4	<.5	1.0	64	.1	.2	.1	55	.55	.208	6	36.2	.54	148	.091	2	2.55	.020	.11	.1	.03	4.1	<.1	<.05	7
4805N 2725E	.7	24.5	3.6	69	.1	32.6	12.3	609	2.71	3.8	.5	1.5	1.0	70	.1	.2	.1	65	.55	.122	10	39.6	.67	139	.084	1	2.75	.027	.08	<.1	.03	5.3	<.1	<.05	7
4805N 2750E	.4	26.0	3.9	57	<.1	43.6	15.4	588	3.49	4.1	.4	3.5	1.5	110	<.1	.7	.1	89	.63	.056	12	57.6	1.10	118	.156	2	2.50	.055	.10	.1	.03	8.1	.1	<.05	7
4605N 2425E	.4	24.8	4.5	66	.1	26.5	9.2	504	2.64	2.2	.9	<.5	1.1	69	.1	.3	.1	67	.67	.035	14	44.4	.62	94	.123	2	2.41	.045	.06	.1	.03	6.3	.1	<.05	6
4605N 2450E	.4	18.5	3.5	67	<.1	23.5	9.7	334	2.72	2.1	.3	.8	.9	55	<.1	.4	.1	78	.43	.039	5	43.2	.59	104	.131	1	1.86	.025	.12	<.1	.03	3.6	<.1	<.05	5
4605N 2475E	.4	26.9	4.2	61	.1	27.4	9.5	536	2.54	2.4	.8	1.0	1.2	59	.1	.3	.1	67	.59	.034	16	42.8	.57	98	.124	2	2.26	.037	.07	.1	.03	6.4	.1	<.05	6
4605N 2500E	.4	12.5	3.5	65	.1	19.1	8.1	323	1.97	1.4	.2	<.5	.7	35	<.1	.2	.1	51	.23	.087	3	34.1	.33	121	.119	1	2.04	.022	.12	.1	.01	2.3	<.1	<.05	6
4605N 2525E	.4	14.9	3.8	75	<.1	25.2	8.9	438	2.41	2.1	.3	2.0	.7	42	.1	.5	.1	63	.29	.097	3	41.8	.44	139	.138	1	2.33	.021	.11	.1	.01	2.9	<.1	<.05	6
4605N 2550E	.5	14.7	3.5	79	.1	24.9	10.2	630	2.28	2.4	.3	1.3	.8	47	.1	.2	.1	55	.38	.102	4	34.2	.47	138	.105	1	2.60	.020	.13	.1	.03	3.3	<.1	<.05	7
4605N 2575E	.6	20.4	3.6	72	.1	31.1	11.3	485	2.62	3.1	.4	.7	1.2	56	.1	.3	.1	63	.38	.109	7	40.6	.62	142	.109	1	2.79	.023	.14	.1	.03	5.0	<.1	<.05	7
4605N 2600E	.4	17.7	3.1	62	.1	22.1	8.9	330	2.39	2.4	.3	8.5	1.0	50	.1	.3	.1	64	.34	.071	4	39.1	.50	120	.124	1	1.93	.025	.11	.1	.02	3.5	<.1	<.05	5
RE 4605N 2600E	.4	16.2	3.0	64	.1	21.3	8.7	315	2.27	2.3	.3	.5	1.0	49	.1	.2	.1	61	.34	.070	4	37.8	.48	114	.115	1	1.91	.025	.11	<.1	.01	3.4	<.1	<.05	5
4605N 2625E	.5	16.8	3.1	62	<.1	29.1	10.5	409	2.59	3.1	.3	.9	.9	60	.1	.3	.1	69	.36	.101	4	43.4	.57	125	.135	1	2.66	.030	.09	<.1	.02	3.7	<.1	<.05	7
4605N 2675E	.5	16.6	3.6	74	.1	25.2	10.4	556	2.39	2.7	.3	5.4	.8	52	.1	.4	.1	59	.38	.126	4	40.5	.50	130	.119	2	2.29	.022	.13	.1	.03	3.3	<.1	<.05	6
4605N 2700E	.5	16.4	3.4	68	<.1	25.7	10.1	459	2.34	2.9	.3	<.5	.9	46	<.1	.3	.1	56	.35	.115	5	36.4	.49	121	.110	1	2.19	.022	.12	<.1	.03	3.4	<.1	<.05	6
4605N 2725E	.4	18.4	3.5	47	.1	23.4	8.9	331	2.30	2.7	.5	<.5	.9	54	.1	.2	.1	59	.44	.033	8	38.0	.50	91	.118	1	2.04	.035	.07	.1	.02	3.9	<.1	<.05	6
4605N 2750E	.4	43.6	4.3	60	.2	38.6	10.2	458	2.89	4.2	1.9	1.2	1.4	95	.2	.3	.1	56	1.06	.057	28	44.5	.82	109	.088	2	3.37	.038	.07	<.1	.05	11.3	.1	<.05	8
4605N 2775E	.4	37.8	4.5	55	.2	36.9	10.9	704	2.69	4.3	1.9	.5	1.1	87	.2	.2	.1	57	1.07	.043	20	39.0	.67	108	.084	3	2.82	.048	.07	.1	.05	8.3	.1	<.05	7
4605N 2800E	.8	32.8	4.3	60	.2	49.5	18.4	912	3.25	19.0	.5	25.9	1.6	113	.1	.9	.1	84	1.09	.088	14	49.5	1.31	113	.086	2	1.97	.124	.06	<.1	.05	7.2	.1	<.05	6
4405N 2425E	.6	13.4	3.9	85	<.1	22.4	8.5	543	2.15	1.9	.2	.7	.6	49	.1	.2	.1	52	.37	.085	3	33.0	.45	123	.111	2	2.10	.025	.11	<.1	.03	2.7	<.1	<.05	6
4405N 2450E	.4	24.1	4.6	69	.1	23.0	8.7	685	2.17	2.1	1.0	.6	.9	106	.2	.2	.1	54	.97	.036	11	32.5	.56	130	.101	4	2.09	.039	.07	.1	.05	4.5	.1	<.05	6
4405N 2475E	.4	14.0	3.2	47	<.1	19.0	8.0	278	2.39	1.6	.3	<.5	.8	74	<.1	.3	.1	64	.34	.040	4	38.6	.47	131	.121	1	1.78	.025	.10	<.1	.02	3.5	<.1	<.05	5
4405N 2500E	.7	11.3	3.2	68	.1	13.4	6.8	558	1.69	1.1	.2	<.5	.6	41	.2	.2	.1	42	.29	.054	5	28.2	.29	90	.099	1	1.32	.024	.10	.1	.02	2.5	<.1	<.05	4
STANDARD DS4	6.4	123.4	29.0	156	.3	35.9	11.9	832	3.15	22.3	6.1	26.8	3.8	28	5.3	4.7	4.9	75	.56	.087	16	175.0	.61	141	.098	3	1.80	.031	.16	3.9	.28	3.7	1.2	<.05	7

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: OCT 9 2002 DATE REPORT MAILED: Oct 23/02 SIGNED BY: C. Toye D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
G-1	1.3	2.7	2.2	39	<.1	4.2	3.9	474	1.83	.5	2.0	<.5	4.5	84	<.1	<.1	.1	39	.57	.081	8	13.4	.47	220	.118	2	.95	.110	.44	2.2	<.01	2.4	.3	<.05	5
4405N 2525E	.7	31.2	5.1	101	.1	35.3	14.5	1891	2.75	9.2	.7	2.8	1.4	193	.1	.8	.1	79	2.37	.225	13	40.2	.98	209	.086	11	2.11	.078	.37	.1	.01	7.6	.1	<.05	6
4405N 2550E	.4	28.8	4.9	52	.1	29.3	11.2	592	2.50	4.1	1.0	3.7	1.1	90	.1	.5	.1	63	.85	.060	16	36.7	.71	117	.080	2	2.13	.023	.10	.1	.05	6.1	.1	<.05	6
4405N 2575E	.4	30.7	4.6	57	.1	30.5	10.6	654	2.33	4.9	1.2	3.3	1.0	115	.2	.5	.1	61	1.13	.062	19	33.0	.74	115	.074	2	2.05	.032	.08	.1	.06	6.6	.1	<.05	5
4405N 2600E	.6	15.7	3.1	64	<.1	24.7	9.2	501	2.38	2.3	.3	1.2	.9	68	.1	.4	.1	67	.47	.077	4	37.2	.49	124	.113	1	1.85	.020	.14	<.1	.02	3.5	<.1	<.05	5
4405N 2625E	.6	11.3	3.4	48	<.1	16.7	7.3	306	1.85	2.2	.2	1.1	.6	42	.1	.3	.1	54	.27	.060	3	28.9	.32	107	.098	<1	1.47	.018	.09	<.1	.01	2.4	<.1	<.05	4
4405N 2650E	.7	8.9	4.0	59	<.1	14.5	6.5	337	1.68	2.2	.2	1.8	.5	42	.1	.2	.1	47	.33	.085	2	25.5	.27	113	.090	2	1.43	.016	.12	<.1	.01	2.0	<.1	<.05	5
4405N 2675E	.6	14.0	3.3	59	.1	20.2	7.6	529	1.99	2.4	.3	1.5	.9	59	.1	.3	.1	53	.42	.099	4	31.0	.36	146	.083	1	1.74	.017	.10	<.1	.03	3.3	<.1	<.05	5
4405N 2700E	.5	16.8	3.6	63	.1	26.1	10.0	409	2.37	3.4	.4	2.2	1.1	60	.1	.3	.1	63	.49	.093	6	34.7	.49	111	.091	1	2.20	.018	.16	.1	.03	4.1	<.1	<.05	6
4405N 2725E	.6	17.7	3.3	86	.1	28.1	10.3	472	2.44	4.8	.3	4.2	1.3	56	.1	.3	.1	64	.47	.210	5	34.1	.46	143	.079	1	2.38	.016	.12	.1	.02	4.7	<.1	<.05	7
4405N 2750E	.5	18.2	3.6	70	.1	26.9	9.6	393	2.44	2.3	.5	1.6	1.2	58	.1	.2	.1	60	.43	.090	8	35.1	.51	131	.100	1	2.31	.022	.10	.1	.01	4.7	<.1	<.05	6
4405N 2775E	.5	25.9	3.5	47	.1	32.0	12.8	486	2.89	5.9	.5	5.6	1.3	112	.1	.5	.1	75	.79	.101	11	40.1	.84	134	.085	1	1.87	.042	.13	.1	.03	6.9	.1	<.05	5
4205N 2425E	.5	19.1	3.7	96	.1	20.5	9.6	666	2.15	2.4	.3	1.0	.8	66	.1	.3	.1	55	.58	.091	4	32.3	.47	164	.089	3	1.70	.017	.23	<.1	.01	3.5	<.1	<.05	5
4205N 2450E	.6	15.3	3.5	71	<.1	20.6	9.4	539	2.27	1.6	.2	3.8	.9	48	.1	.2	.1	64	.39	.062	3	34.2	.47	119	.103	1	1.77	.017	.12	.1	.02	3.2	<.1	<.05	5
4205N 2475E	.6	10.5	2.9	79	<.1	11.5	5.4	541	1.68	1.2	.2	.6	.6	34	.1	.1	.1	50	.24	.035	3	25.4	.23	104	.086	1	1.11	.019	.06	.1	.01	2.0	<.1	<.05	3
4205N 2500E	.3	29.9	3.8	64	.1	28.8	11.0	647	2.49	3.2	1.1	.9	1.1	82	.1	.4	.1	60	.85	.047	16	37.8	.63	141	.089	2	2.30	.026	.11	.1	.04	6.2	<.1	<.05	6
RE 4205N 2500E	.3	30.5	4.0	66	.1	29.2	11.2	677	2.56	3.2	1.2	11.7	1.1	86	.2	.3	.1	63	.90	.049	17	39.7	.66	145	.093	2	2.44	.027	.11	.1	.04	6.7	.1	<.05	6
4205N 2525E	.4	47.8	4.3	70	.2	37.6	13.1	779	2.72	3.8	2.0	2.7	1.2	132	.2	.4	.1	60	1.29	.059	18	40.3	.78	189	.069	3	2.69	.022	.11	<.1	.05	8.7	.1	<.05	7
4205N 2550E	.6	13.4	3.7	68	<.1	17.5	8.8	594	2.07	2.2	.3	1.3	.7	50	.1	.4	.1	59	.36	.089	3	33.5	.40	161	.103	1	1.49	.020	.12	.1	.02	3.0	<.1	<.05	4
4205N 2575E	.4	15.2	3.5	67	<.1	19.5	9.1	593	2.23	2.3	.3	2.5	.8	61	.1	.5	.1	67	.43	.068	4	40.5	.41	139	.119	1	1.60	.021	.16	.1	.02	3.4	<.1	<.05	5
4205N 2600E	.4	12.7	3.3	52	.1	20.1	8.0	296	2.31	2.4	.3	2.8	.8	48	<.1	.5	.1	70	.32	.033	4	41.0	.42	88	.128	1	1.35	.028	.09	<.1	.02	3.3	<.1	<.05	4
4205N 2625E	.4	12.2	3.7	55	.1	18.1	7.4	248	1.96	2.1	.2	1.4	.6	48	.1	.3	.1	56	.39	.049	5	33.0	.36	75	.105	1	1.53	.024	.11	.1	.02	2.5	<.1	<.05	4
4205N 2650E	.3	13.2	3.5	47	.1	17.2	6.7	240	2.01	2.5	.3	1.0	.6	50	<.1	.3	.1	60	.41	.028	7	36.3	.39	81	.113	1	1.49	.034	.05	.1	.02	3.2	<.1	<.05	4
4205N 2675E	.4	19.6	3.5	57	.1	29.9	11.0	313	2.74	7.6	.3	1.1	1.2	58	<.1	.4	.1	77	.34	.075	4	44.7	.55	128	.121	1	2.43	.027	.10	<.1	.02	4.2	<.1	<.05	7
4205N 2700E	.5	13.7	3.9	65	.1	24.4	8.4	413	2.08	3.3	.2	7.7	.8	48	<.1	.2	.1	55	.36	.105	4	36.1	.39	126	.099	1	2.04	.021	.10	<.1	.02	2.9	<.1	<.05	6
4205N 2725E	.5	15.8	3.6	65	.1	25.4	9.2	400	2.37	4.7	.3	18.9	1.0	52	.1	.3	.1	63	.39	.147	4	37.1	.45	146	.097	2	2.30	.019	.11	<.1	.02	3.6	<.1	<.05	6
4205N 2750E	.6	29.7	4.6	61	.1	35.6	14.0	707	2.69	6.1	.7	3.0	1.2	124	.1	.4	.1	65	1.08	.063	14	39.5	.88	145	.076	3	1.93	.038	.12	.1	.06	7.6	.1	<.05	5
2800E 4225N	1.2	22.2	4.8	54	.1	30.5	12.6	590	2.43	4.3	.7	4.4	.9	81	.1	.3	.1	67	.93	.059	9	39.4	.70	114	.085	3	1.69	.026	.17	<.1	.04	5.6	.1	<.05	5
2800E 4175N	.5	19.3	4.2	77	.1	28.7	10.8	583	2.56	3.2	.4	3.2	1.1	60	.1	.3	.1	65	.47	.115	6	40.9	.59	149	.110	2	2.21	.023	.15	.1	.02	4.6	<.1	<.05	6
2800E 4140N	1.4	16.6	3.8	68	.1	23.6	9.9	448	2.30	4.6	.3	5.3	.9	55	.1	.4	.1	60	.42	.081	5	37.0	.49	119	.102	1	1.79	.023	.13	.1	.03	3.6	<.1	<.05	5
2800E 4130N	1.0	17.6	4.7	83	.1	27.5	11.0	813	2.57	5.7	.3	9.2	.8	60	.1	.5	.1	67	.57	.107	6	40.8	.54	171	.101	1	2.10	.022	.10	.1	.05	3.9	<.1	<.05	6
2800E 4120N	.6	21.5	5.0	59	.2	25.1	9.5	657	2.32	6.3	.6	18.7	.9	68	.2	.4	.1	62	.99	.042	11	36.0	.51	123	.094	2	2.00	.031	.09	.1	.05	4.8	.1	<.05	5
2950E 5450N	.6	14.9	4.9	65	.1	30.7	9.6	399	2.17	1.7	.4	<.5	1.0	56	.1	.1	.1	59	.47	.062	7	35.8	.61	153	.069	1	1.96	.022	.13	<.1	.02	4.1	<.1	<.05	5
2950E 5425N	.6	10.5	4.2	63	.1	18.6	6.9	271	1.79	1.9	.2	<.5	.6	41	<.1	.1	.1	50	.43	.036	6	34.3	.39	98	.085	1	1.41	.031	.20	<.1	.02	3.0	<.1	<.05	4
2950E 5400N	.4	33.6	4.0	60	.1	51.0	16.3	654	3.50	5.6	.6	10.2	1.6	103	.1	.4	.1	87	.82	.070	15	60.8	1.30	150	.066	3	2.27	.056	.14	<.1	.03	10.0	.1	<.05	6
STANDARD DS4	6.4	119.3	30.0	151	.3	33.3	11.9	769	3.04	21.9	6.1	27.0	3.6	26	5.3	4.7	4:9	73	.54	.081	15	159.7	.57	144	.082	1	1.69	.030	.15	4.0	.28	3.6	1.2	.06	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
G-1	1.2	2.9	2.2	40	<.1	4.0	3.5	461	1.87	.6	1.9	<.5	4.1	87	<.1	<.1	.1	39	.57	.076	8	12.8	.47	208	.111	1	.95	.119	.44	2.2	<.01	2.6	.3	<.05	5
2950E 5375N	1.8	22.3	5.8	82	.1	26.8	13.2	953	2.52	4.4	.5	1.7	.5	88	.3	.3	.1	52	.96	.087	14	31.9	.71	177	.021	6	1.49	.021	.22	<.1	.03	5.5	.1	.06	4
2950E 5350N	.8	14.7	4.3	83	<.1	26.2	9.0	315	2.27	3.1	.3	1.4	.8	71	.1	.1	.1	52	.58	.134	7	33.9	.55	181	.074	4	1.82	.021	.26	<.1	.01	4.2	<.1	<.05	5
* 2950E 5060N	.5	26.7	3.4	56	.1	38.9	11.6	390	3.21	5.5	.5	4.8	1.7	96	.1	.4	.1	79	.63	.051	14	51.4	1.01	112	.090	2	2.29	.038	.10	<.1	.02	9.6	.1	<.05	6
2950E 5025N	.8	30.4	4.4	64	.2	43.8	15.5	718	3.14	18.7	.4	14.0	1.1	83	.2	.7	.1	72	.93	.083	13	46.6	1.10	104	.062	4	1.79	.032	.22	.1	.04	8.9	.1	.06	5
2950E 5000N	.7	27.4	5.4	89	.2	35.9	14.6	843	2.84	11.6	.4	7.2	.9	93	.3	.4	.1	60	1.07	.098	13	42.9	.94	151	.050	4	1.78	.024	.34	.1	.04	7.3	.1	.06	5
2950E 4975N	.9	24.1	5.5	84	.1	29.6	12.4	797	2.72	8.7	.4	14.6	.9	120	.2	.4	.1	58	1.03	.082	14	37.0	.80	222	.051	4	1.96	.023	.42	<.1	.02	6.7	.1	<.05	5
2950E 4950N	1.2	17.3	5.3	61	.1	26.5	11.2	613	2.26	4.0	.3	2.4	.8	61	.2	.3	.1	54	.68	.067	6	34.8	.57	109	.074	1	1.80	.022	.09	.1	.03	4.2	<.1	<.05	5
2950E 4925N	.8	15.5	3.4	72	.1	25.5	8.6	487	2.29	3.7	.3	3.0	1.0	57	.1	.2	.1	56	.42	.085	6	33.4	.49	126	.093	2	2.05	.021	.12	<.1	.01	3.9	<.1	<.05	6
2950E 4900N	.7	12.6	3.4	78	.1	21.6	8.5	670	2.14	2.9	.2	5.7	.8	43	.1	.2	<.1	57	.33	.091	5	33.1	.38	126	.098	1	1.87	.025	.16	<.1	.02	3.6	<.1	<.05	5
2950E 4875N	.5	8.8	3.0	79	.1	17.9	6.1	479	1.85	2.2	.2	.7	.6	37	.1	.1	.1	49	.29	.059	3	28.2	.29	116	.093	1	1.65	.020	.13	<.1	.01	2.6	<.1	<.05	5
2950E 4850N	.6	11.1	3.4	68	.1	19.7	7.1	510	2.05	1.8	.2	.8	.8	44	.1	.2	<.1	57	.29	.060	5	31.8	.36	138	.109	1	1.64	.023	.13	<.1	.01	3.2	<.1	<.05	5
3000E 5425N	.8	23.3	4.5	78	.1	40.1	14.7	760	2.83	5.6	.9	.7	.9	67	<.1	.1	.1	92	.71	.038	13	43.9	.86	114	.126	3	1.70	.048	.11	<.1	.01	7.4	.1	<.05	6
3000E 5375N	.6	37.5	3.6	73	.2	61.7	20.9	749	3.86	19.5	.4	14.1	.9	101	.2	1.2	.1	88	1.25	.102	12	70.1	1.74	79	.078	6	2.12	.072	.18	.1	.03	9.0	.1	<.05	6
3000E 5025N	1.2	25.4	4.6	53	.2	35.2	13.3	760	2.60	9.8	.5	3.8	.5	90	.2	.3	.1	64	1.09	.077	14	42.0	.84	123	.061	4	1.86	.040	.07	<.1	.06	6.0	.1	.06	5
3000E 4975N	.5	29.0	4.0	68	.1	34.7	13.9	660	3.12	8.9	.6	6.7	1.3	74	.1	.4	.1	76	.63	.051	15	47.0	.83	118	.084	3	1.73	.046	.21	<.1	.02	9.0	.1	<.05	5
3000E 4925N	1.2	16.2	4.2	86	.1	24.4	9.5	819	2.17	5.4	.3	1.7	.8	65	.2	.2	.1	46	.58	.160	6	31.4	.42	166	.073	3	2.07	.018	.16	.1	.03	3.8	<.1	<.05	6
3000E 4875N	.6	22.1	4.6	85	.1	31.0	11.5	706	2.80	4.0	.3	1.3	1.1	94	.1	.2	.1	63	.87	.080	11	44.0	.69	182	.073	5	1.94	.025	.24	<.1	.03	6.8	.1	<.05	6
3050E 5450N	.6	17.1	4.7	63	<.1	31.6	11.9	717	2.85	2.4	.4	1.7	1.0	72	.1	.2	.1	78	.53	.043	7	47.4	.67	150	.148	2	2.08	.030	.19	.1	.03	5.6	.1	<.05	7
3050E 5425N	.5	17.0	3.6	72	.1	32.1	11.0	539	2.72	2.4	.3	1.6	1.0	62	.1	.1	.1	86	.50	.041	7	45.2	.66	128	.170	2	1.66	.047	.19	<.1	.01	5.6	<.1	<.05	5
3050E 5400N	.5	19.9	4.4	70	<.1	43.8	13.5	524	2.87	3.1	.4	.6	1.2	68	.1	.2	.1	76	.48	.045	8	82.5	.94	132	.123	2	2.02	.033	.17	.1	.02	6.4	.1	<.05	6
3050E 5375N	.4	19.0	4.1	58	.1	32.5	12.1	438	2.85	4.9	.4	7.1	1.3	81	<.1	.3	.1	70	.56	.061	11	50.9	.70	135	.092	2	1.73	.026	.23	.1	.02	6.9	.1	<.05	6
3050E 5350N	.5	18.8	4.4	56	.1	28.1	10.5	448	2.62	6.2	.3	8.2	1.1	78	.1	.4	.1	64	.57	.048	10	47.8	.56	118	.091	3	1.62	.031	.13	.1	.02	6.6	.1	<.05	5
3050E 5050N	1.0	26.9	3.8	81	.2	29.1	11.6	875	2.39	9.4	.5	2.6	.2	71	.2	.2	.1	58	.90	.143	11	36.9	.62	121	.035	4	2.21	.020	.09	<.1	.04	3.5	<.1	.06	6
3050E 5025N	.9	23.0	4.0	79	.2	26.9	11.6	691	2.56	7.2	.4	2.3	.2	77	.1	.3	<.1	62	.77	.125	9	39.3	.65	134	.051	3	1.93	.022	.17	.1	.03	3.6	<.1	<.05	6
3050E 5000N	.8	26.7	4.1	61	.1	32.9	13.5	707	2.93	11.5	.5	6.6	.4	100	.1	.4	.1	77	.94	.111	12	46.5	.90	120	.059	3	1.99	.029	.15	.1	.03	6.3	.1	<.05	6
RE 3050E 5000N	1.0	26.9	4.1	62	.1	32.7	13.5	716	2.96	11.4	.5	6.9	.5	100	.1	.4	.1	77	.93	.106	12	45.8	.89	121	.057	3	1.91	.032	.15	<.1	.02	6.3	.1	<.05	6
3050E 4975N	.8	25.9	4.6	72	.1	26.6	12.1	782	2.63	7.7	.6	3.1	.4	95	.2	.3	.1	64	.83	.107	11	41.6	.72	169	.059	3	1.97	.026	.22	.1	.03	5.3	.1	<.05	6
3050E 4950N	.8	18.0	4.6	86	.1	24.4	12.3	614	2.51	4.6	.5	1.9	.6	75	.2	.2	.1	55	.59	.068	10	41.2	.61	160	.074	3	1.90	.027	.14	.1	.02	5.2	.1	<.05	6
3050E 4925N	.6	20.4	4.3	60	.1	26.3	11.1	444	2.89	5.6	.5	4.5	1.4	97	.1	.3	.1	64	.69	.056	16	44.1	.69	187	.049	2	1.99	.024	.20	.1	.03	9.0	.1	<.05	6
3050E 4900N	.6	21.0	4.9	91	.2	24.9	11.6	534	2.67	4.8	.5	182.1	1.3	82	.3	.3	.1	58	.86	.048	15	42.1	.69	161	.060	3	1.76	.028	.29	<.1	.03	7.5	.1	<.05	5
3050E 4875N	.9	17.1	7.5	104	.1	14.8	7.6	866	1.83	7.0	.3	3.5	1.1	191	.3	.2	.1	33	1.38	.087	21	20.8	.59	465	.017	4	2.36	.016	.48	.1	.04	4.4	.1	.06	5
3050E 4850N	.8	25.1	4.9	83	.2	31.0	14.3	816	2.81	5.2	.4	1.7	.8	75	.2	.3	.1	67	.83	.090	9	45.2	.68	140	.094	5	1.97	.027	.23	.1	.02	5.6	.1	<.05	6
3400E 4525N	.2	14.0	3.6	52	.1	19.2	6.0	307	1.84	1.8	.2	.9	.5	47	.1	.1	.1	51	.41	.034	6	44.5	.35	62	.105	1	1.35	.032	.05	<.1	.02	3.8	<.1	<.05	4
3400E 4475N	.3	8.9	4.5	56	.1	14.8	5.0	146	1.66	1.3	.2	1.2	.4	35	<.1	.1	.1	49	.29	.026	3	35.7	.30	74	.112	1	1.24	.024	.04	<.1	.02	1.8	<.1	<.05	4
STANDARD DS4	6.5	129.3	31.0	162	.3	33.6	11.6	803	3.32	23.8	6.2	27.6	3.6	28	5.5	5.1	5.2	76	.55	.087	17	170.1	.58	143	.091	2	1.69	.030	.15	4.4	.29	3.8	1.2	<.05	7

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

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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
G-1	1.4	2.6	2.3	39	<.1	4.0	3.6	465	1.89	.5	2.0	1.1	4.3	88	<.1	<.1	.1	38	.57	.080	8	13.9	.46	228	.113	1	.96	.143	.53	2.4	<.01	2.8	.3	<.05	5
3400E 4425N	.3	16.1	3.6	87	.1	22.3	5.7	499	2.02	2.9	.4	8.5	.9	49	.1	.2	.1	55	.45	.024	9	39.3	.39	90	.094	1	1.54	.027	.05	.1	.03	5.6	<.1	<.05	4
PM39.5	.7	30.5	3.7	64	.1	33.9	11.8	408	3.31	7.7	.7	2.7	1.8	70	.1	.2	.1	82	.60	.059	12	39.2	.77	193	.086	3	1.73	.027	.09	<.1	.02	9.3	.1	<.05	5
PM40.5	1.0	19.5	4.3	92	.1	24.1	10.1	522	2.38	5.3	1.0	<.5	1.4	82	.1	.2	.1	60	.66	.043	11	31.1	.51	215	.101	4	1.32	.029	.07	<.1	.01	5.5	.1	<.05	4
PV02-S24	1.4	29.4	4.1	83	.1	17.4	6.3	437	3.70	12.7	.5	8.4	1.7	67	.1	.4	.1	57	.61	.061	26	26.7	.63	106	.005	1	1.67	.010	.10	<.1	.03	9.4	.1	<.05	6
PVT021-S1	.7	36.4	4.5	57	.1	42.9	18.2	917	3.62	11.6	.5	5.8	1.7	138	.1	.5	.1	92	1.05	.092	15	46.2	1.26	164	.102	2	2.07	.095	.07	.1	.09	10.3	.1	<.05	6
PVT022-S1	1.7	38.4	4.2	62	.2	48.2	20.8	912	4.01	21.7	.5	32.1	1.7	149	.2	1.0	.1	93	2.21	.105	15	47.5	1.43	146	.111	4	2.05	.086	.08	.1	.15	9.8	.1	<.05	7
PVT023-S1	1.1	65.3	4.2	59	.1	41.1	18.7	792	3.66	13.1	.6	126.1	2.0	130	.1	.6	.1	90	2.29	.101	13	41.7	1.37	142	.103	3	1.95	.073	.09	.1	.08	9.0	.1	<.05	7
PVT024-S1	1.4	63.9	4.0	67	.1	49.9	23.7	1033	3.99	14.6	.6	8.9	2.1	136	.2	1.0	.1	99	2.31	.110	13	47.0	1.56	161	.104	4	2.06	.093	.09	.1	.19	10.0	.1	<.05	7
PVT025-S1	1.1	75.7	4.1	57	.1	41.9	17.6	760	3.53	15.1	.5	12.6	2.0	124	.1	.8	.1	94	1.80	.107	13	47.5	1.24	141	.107	3	1.82	.082	.07	.1	.09	8.5	.1	<.05	6
PVT026-S1	.8	38.2	4.7	65	.1	46.8	20.9	901	3.81	10.7	.6	11.8	1.9	163	.1	.7	.1	92	1.71	.100	15	48.7	1.42	176	.113	3	2.23	.114	.07	.1	.10	10.5	.1	<.05	7
PVT027-S1	.7	38.7	4.8	67	.1	61.8	25.9	1069	4.06	10.5	.5	5.4	1.9	148	.1	.5	.1	99	2.06	.100	15	48.7	1.68	241	.104	3	2.18	.106	.07	.1	.08	11.1	.1	<.05	7
PVT027-S2	.9	39.2	4.5	66	<.1	52.8	21.8	934	3.79	9.0	.5	3.2	1.7	142	.1	.5	.1	89	1.43	.095	14	50.5	1.45	284	.098	4	2.13	.101	.08	<.1	.06	10.7	.1	<.05	7
PVT027-S3	1.1	36.8	4.3	65	.1	50.7	23.0	965	4.01	12.2	.5	13.9	1.8	135	.1	.6	.1	89	1.70	.089	14	50.4	1.41	218	.094	4	2.28	.081	.10	<.1	.09	11.0	.1	<.05	8
PVT027-S4	.7	35.8	5.7	62	.1	47.3	19.6	854	3.99	10.4	.5	3.8	1.9	143	.1	.6	.1	96	1.13	.100	16	51.1	1.41	328	.083	4	2.40	.085	.05	<.1	.07	11.5	.1	<.05	7
PVT027-S5	.5	34.7	5.3	57	.1	43.4	18.0	664	3.68	9.5	.4	5.7	1.9	154	.1	.4	.1	83	1.01	.079	15	48.3	1.45	416	.077	2	2.34	.080	.06	<.1	.07	10.9	.1	<.05	7
PVT027-S6	.6	36.8	5.0	63	<.1	47.0	19.6	769	3.94	10.0	.5	3.2	1.9	152	<.1	.6	.1	88	1.07	.096	16	50.2	1.48	417	.082	2	2.24	.069	.06	<.1	.09	10.8	.1	<.05	7
PVT027-S7	.7	48.4	6.6	58	.1	33.6	14.8	676	3.46	9.2	.4	19.6	1.5	148	.1	.6	.2	88	.94	.098	13	45.4	1.02	448	.116	3	1.85	.082	.06	.1	.09	8.5	.1	<.05	5
PVT027-S8	.7	31.0	3.9	60	.1	32.5	14.5	656	3.26	9.7	.4	10.0	1.5	151	.1	.6	.1	90	.97	.098	13	45.8	.93	425	.143	2	1.67	.085	.06	.1	.08	7.3	.1	<.05	5
RE PVT027-S8	.7	30.8	4.0	56	.1	32.5	14.1	655	3.23	9.6	.4	8.1	1.5	150	.1	.7	<.1	90	.97	.097	13	45.1	.92	441	.143	3	1.67	.082	.06	.1	.08	7.2	.1	<.05	5
PVT0210-S1	1.2	79.8	2.4	67	<.1	31.1	23.7	1399	4.60	21.2	.5	11.7	1.7	43	.1	.2	<.1	102	.46	.044	10	33.4	.32	228	.004	6	.73	.014	.09	<.1	.02	15.7	.1	<.05	3
PVT0212-S1	.9	34.7	4.1	66	.1	43.0	19.1	854	3.37	11.9	.5	10.5	1.6	136	.1	.7	<.1	86	1.16	.100	14	39.9	1.18	132	.116	3	1.86	.098	.07	.1	.08	8.9	.1	<.05	6
PVT0212-S2	.9	36.1	4.3	61	.1	43.8	18.7	830	3.49	14.0	.5	17.2	1.7	144	.1	.6	.1	86	1.56	.091	14	42.8	1.17	139	.116	3	2.14	.085	.08	.1	.10	9.8	.1	<.05	6
PVT0212-S3	.9	34.6	4.2	62	.1	40.8	18.1	866	3.33	13.2	.4	13.7	1.5	142	.1	.7	.1	86	1.48	.096	14	39.7	1.04	139	.116	3	1.80	.099	.06	.1	.12	8.3	.1	<.05	6
PVT0212-S4	.9	37.0	4.6	63	.1	40.3	17.7	913	3.27	12.1	.4	19.1	1.6	143	.1	.7	.1	86	1.44	.096	14	38.0	1.10	138	.117	2	1.87	.106	.08	.1	.08	8.8	.1	<.05	6
PVT0212-S5	2.7	31.9	4.6	65	.1	37.5	17.7	828	3.35	41.4	.4	7.2	1.5	136	.1	.8	.1	90	1.37	.095	14	37.2	.94	136	.121	3	1.63	.104	.07	.1	.14	7.7	.1	<.05	5
PVT0212-S6	.8	31.2	4.0	61	.1	31.8	13.6	669	2.94	11.9	.4	9.1	1.5	149	.1	.7	<.1	88	1.25	.095	13	35.3	.85	144	.145	2	1.62	.117	.07	.1	.07	6.7	.1	<.05	5
PVT0212-S7	.9	35.2	4.1	64	.1	36.1	15.9	809	3.17	13.3	.4	16.8	1.5	152	.1	.7	<.1	89	1.92	.097	14	37.7	.92	137	.140	2	1.73	.116	.07	.1	.09	7.9	.1	<.05	5
PVT0212-S8	1.1	37.8	4.5	64	.1	43.7	19.9	1039	3.65	15.7	.4	7.4	1.7	142	.2	.8	.1	95	1.17	.101	14	42.8	1.18	133	.125	2	1.96	.096	.07	.1	.10	9.4	.1	<.05	6
PVT0212-S9	1.2	40.5	5.2	66	.1	47.8	22.0	946	3.79	21.3	.5	144.3	1.8	140	.1	.7	.1	87	1.70	.101	15	45.3	1.40	132	.108	3	2.11	.082	.07	<.1	.08	9.6	.1	<.05	7
PVT0212-S10	1.4	41.9	5.3	70	.1	53.6	23.0	979	4.19	19.2	.5	11.0	1.9	145	.1	.7	.1	94	1.88	.109	16	50.6	1.55	132	.117	3	2.39	.080	.08	.1	.09	10.8	.1	<.05	8
STANDARD DS4	6.5	127.9	30.6	161	.3	33.7	11.8	799	3.30	23.5	6.1	26.0	3.6	29	5.5	4.8	5.1	72	.55	.088	15	160.6	.57	143	.086	2	1.70	.030	.16	4.0	.27	3.8	1.2	<.05	6

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 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-6 File # A204710 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
SI	.2	1.4	8.5	27	.1	.1	.1	9	.04	.6	<.1	<.5	<.1	4	.1	.1	<.1	1	.14	.001	<1	3.2	.01	6	.001	<1	.02	.644	.01	.1	.02	.2	<.1	<.05	<1
MC-R76	34.0	17.4	8.7	38	2.2	31.6	10.6	177	2.09	164.7	.2	815.6	.4	15	<.1	4.7	<.1	46	.05	.017	2	49.2	.02	22	.005	<1	.20	.001	.04	2.6	.17	4.9	.2	.17	1
MC-R77	11.7	13.6	7.3	29	.7	23.0	6.9	478	1.50	105.2	.3	68.0	.4	13	<.1	.9	<.1	25	.14	.057	5	53.8	.35	68	.003	<1	.55	.004	.10	.9	.06	1.4	.1	<.05	3
PV02-R40	16.5	9.1	5.1	23	1.4	15.8	5.2	179	1.11	139.5	.2	650.3	.2	45	.1	3.0	<.1	19	.36	.024	2	27.0	.12	16	.001	2	.16	.003	.04	4.8	.07	1.3	.2	.28	1
PV02-R41	13.0	93.9	10.1	52	3.4	31.3	12.6	227	1.89	321.9	.9	555.2	.7	105	.3	38.4	<.1	30	.13	.072	7	60.6	.03	244	.001	2	.38	.003	.10	.9	.52	2.3	.5	.10	2
PV02-R42	7.8	10.7	5.5	20	1.6	15.4	3.8	156	.81	146.4	.1	1789.4	.2	20	<.1	2.1	<.1	13	.19	.020	1	37.4	.06	43	.001	<1	.12	<.001	.03	6.7	.05	1.0	.1	.17	1
PV02-R43	1.0	80.2	10.1	82	.3	80.2	22.7	1023	4.05	51.2	.2	9.0	.7	101	.3	1.6	<.1	79	4.67	.152	16	75.3	2.21	27	.003	1	.44	.023	.04	.3	.10	7.8	<.1	.55	2
PV02-R44	68.5	6.7	5.4	26	<.1	3.1	5.4	362	.87	29.7	.1	7.0	.4	16	<.1	.8	<.1	18	.58	.034	4	19.4	.21	184	.003	2	.20	.006	.07	3.5	.34	1.6	.8	<.05	1
PV02-R45	11.4	8.6	12.2	28	1.0	5.0	2.5	40	.82	200.7	.1	542.5	.2	5	.2	1.7	<.1	7	.05	.015	3	34.7	.01	26	.001	<1	.11	.003	.05	5.2	.16	.4	.2	.18	<1
PV02-R46	215.1	11.5	11.5	27	1.2	11.3	5.4	219	1.09	52.3	.1	586.2	.1	10	<.1	1.6	<.1	18	.16	.015	2	60.3	.04	28	.001	<1	.16	.001	.05	1.2	.17	1.7	.2	.30	<1
PV02-R47	78.4	4.7	6.6	26	.9	10.3	5.5	276	1.16	13.3	.1	5.0	.2	13	<.1	.4	<.1	28	.31	.021	3	52.4	.14	18	.002	1	.20	.002	.05	.7	.05	2.1	.1	.15	1
PV02-R48	5.6	19.1	6.4	51	1.2	47.5	15.8	499	2.86	106.1	.2	1512.9	.7	35	.1	4.1	<.1	89	1.93	.116	12	43.8	.64	63	.005	1	.32	.002	.11	1.5	.08	6.2	.2	.70	2
PV02-R49	65.3	19.8	5.2	50	.4	39.5	15.7	749	3.16	15.2	.2	8.0	.8	72	<.1	.4	<.1	78	2.09	.101	11	61.4	1.36	57	.004	1	.57	.015	.05	.4	.06	6.1	.1	.32	3
PV02-R50	4.1	21.2	4.1	27	.9	17.8	6.4	217	1.33	110.7	.5	899.8	.2	5	.1	.9	<.1	17	.13	.031	4	30.6	.04	18	.001	<1	.19	.002	.07	4.3	.13	1.5	.1	.21	1
PV02-R51	11.8	7.8	3.5	15	.1	17.1	8.2	469	1.62	24.6	.3	35.0	.2	35	<.1	.3	<.1	24	.23	.018	3	76.3	.13	65	.003	1	.24	.026	.03	1.5	.04	2.4	.2	.14	1
PV02-R52	4.9	137.7	6.4	40	2.1	39.9	14.5	416	2.66	40.9	.2	72.0	.4	52	<.1	2.6	<.1	59	.03	.029	4	52.6	.03	31	.004	1	.44	.001	.01	2.2	.38	6.0	<.1	.29	1
PV02-R53	21.7	5.2	5.0	24	.5	8.8	3.4	187	.79	10.0	<.1	13.7	.1	18	.1	.4	<.1	15	.50	.007	1	78.0	.20	31	.002	<1	.12	.001	.01	1.5	.22	1.4	<.1	.08	<1
PV02-R54	1.0	3.5	8.9	65	<.1	1.2	2.0	1731	1.51	1.6	.1	3.9	.7	21	.2	.1	.1	15	2.46	.048	15	9.6	.07	77	.007	2	.53	.044	.04	.6	.01	2.6	<.1	<.05	2
PV02-R55	.7	15.6	5.5	57	.1	18.8	8.6	619	1.71	20.4	.6	4.8	1.6	71	.1	.6	.1	36	2.11	.008	4	16.5	.41	207	.002	3	.44	.005	.04	.2	.03	4.1	.5	<.05	2
PV02-R56	22.8	69.2	4.3	12	<.1	32.7	10.2	70	1.20	622.9	.2	3.9	.1	17	.1	.5	.1	49	.05	.007	1	41.4	.03	21	.002	<1	.09	.022	.02	4.0	.05	.8	.6	.32	1
PV02-R57	2.1	8.9	1.5	19	<.1	5.4	4.7	268	.91	3.9	.1	.7	.2	13	<.1	.1	<.1	22	.20	.020	<1	55.8	.35	13	.040	<1	.52	.014	.03	1.5	.02	1.7	<.1	<.05	2
PV02-R58	3.8	17.1	4.9	18	1.5	4.4	.9	118	.41	15.3	<.1	1028.9	<.1	2	.1	.6	<.1	4	.03	.004	<1	35.7	.01	6	<.001	1	.03	.002	.01	6.0	.15	.4	<.1	<.05	<1
PV02-R59	.5	1.0	11.7	83	<.1	13.9	7.6	685	2.02	5.3	.1	4.0	1.2	167	.2	.1	<.1	39	5.99	.009	2	13.7	2.61	826	.002	5	.47	.011	.03	.2	.02	3.8	.1	<.05	2
PV02-R60	3.9	10.6	7.6	25	.9	11.1	6.2	309	1.37	49.6	.2	1060.5	.3	10	.2	.6	<.1	25	.20	.041	4	30.3	.10	71	.004	<1	.24	.002	.05	4.7	.08	1.8	<.1	.15	1
RE PV02-R60	3.4	11.3	7.2	26	.8	10.6	6.1	303	1.35	49.8	.2	751.7	.3	9	.1	.5	<.1	25	.20	.040	4	29.1	.10	70	.004	1	.24	.001	.04	5.0	.02	1.6	<.1	.16	1
PV02-R61	2.0	6.5	2.1	11	.4	5.9	2.4	67	.68	34.4	.1	169.7	.2	14	.1	.3	<.1	10	.13	.018	2	57.1	.07	19	.002	1	.12	.004	.05	1.0	.04	.8	<.1	<.05	<1
PV02-R62	1.6	17.8	3.8	82	<.1	44.7	24.9	1107	3.62	4.3	.3	5.0	.8	365	.2	.1	<.1	91	9.39	.037	6	33.8	4.23	27	.002	8	.44	.051	.03	1.1	.03	5.3	<.1	<.05	1
PV02-R63	.9	38.7	4.9	64	<.1	57.0	25.3	911	3.88	9.7	.4	3.0	1.7	83	.2	.2	<.1	85	1.11	.069	11	68.9	.51	46	.004	13	1.06	.083	.05	.2	.03	11.5	.1	<.05	2
PV02-R64	3.2	15.9	3.3	23	<.1	20.3	10.6	406	1.68	3.4	.1	.8	.7	43	<.1	.1	<.1	33	.40	.031	5	39.5	.14	36	.009	2	.68	.061	.04	2.3	.01	4.3	<.1	<.05	2
PV02-R65	9.8	94.3	5.6	40	.9	14.8	11.5	506	2.27	75.3	.4	12.7	.4	27	.1	5.9	.1	40	.13	.017	2	47.1	.05	272	.002	3	.37	.003	.03	.6	2.64	3.4	.4	.35	1
PV02-R66	19.0	56.3	5.2	62	.1	39.7	14.6	897	2.85	44.1	2.4	<.5	1.0	89	.2	2.7	<.1	87	3.10	.044	5	53.3	.85	575	.003	3	.46	.003	.02	.8	.13	7.3	.5	<.05	1
PV02-R67	4.0	12.4	6.0	76	.2	28.1	12.8	2500	2.96	17.0	.3	154.7	.7	62	.2	.8	<.1	68	.45	.053	7	26.1	.14	369	.006	3	.56	.001	.03	1.1	.10	6.7	.1	<.05	2
PV02-R68	6.1	11.2	9.6	28	.6	8.8	2.9	152	.71	21.8	<.1	306.2	.1	14	.1	1.5	<.1	12	.03	.009	1	70.8	.01	47	.001	<1	.09	<.001	.01	2.0	.11	1.0	<.1	<.05	<1
PV02-R69	242.2	10.8	3.7	34	.9	21.0	13.4	640	2.13	35.2	.3	16.8	.4	131	<.1	.9	<.1	54	4.07	.054	8	51.9	1.40	47	.002	4	.38	.006	.06	.8	.05	4.4	.2	.43	1
PV02-R70	4.5	15.7	2.0	8	.8	8.0	3.4	96	.77	44.7	.1	754.8	.1	7	<.1	.7	<.1	16	.15	.018	2	58.3	.03	19	.001	1	.14	.002	.06	1.5	.10	.9	<.1	.06	<1
STANDARD DS4	6.4	124.8	30.3	158	.2	33.6	11.8	818	3.01	21.3	6.1	26.5	3.7	28	5.2	4.7	5.0	74	.53	.090	16	163.9	.57	144	.097	2	1.69	.031	.15	4.2	.28	3.8	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: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay recommend for Au >1000ppb

DATE RECEIVED: OCT 24 2002 **DATE REPORT MAILED:** Nov 6/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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
PVT0231-R1	.4	18.0	27.5	98	.7	3.1	4.7	248	2.56	3.4	.5	3.0	2.1	99	.3	.2	.1	25	.76	.011	10	5.7	.87	430	.001	9	1.36	.029	.14	<.1	.04	6.5	.1	<.05	4
PVT0232-R1	2.9	16.4	10.8	69	.1	3.6	5.2	820	1.29	13.8	.5	<.5	.5	71	.6	.2	.1	16	1.74	.008	4	26.5	.27	230	.002	5	.28	.014	.08	.4	<.01	2.4	.1	.08	1
PVT0233-R1	4.5	51.0	4.8	72	<.1	59.8	25.1	4174	5.02	32.3	1.5	4.1	1.8	111	.1	.2	<.1	91	.79	.088	10	54.3	.40	408	.004	9	.96	.103	.05	.4	.03	10.5	.1	.07	3
PVT0233-R2	3.2	44.9	6.4	99	<.1	69.1	32.6	2876	5.27	33.8	.9	1.4	1.8	158	.1	.2	<.1	89	1.43	.052	9	49.7	.98	330	.003	14	1.02	.064	.06	.1	.11	11.9	.2	.06	3
PVT0234-R1	3.0	60.5	17.2	87	.5	65.2	26.4	1408	5.24	88.9	.8	3.3	2.5	48	.3	.3	.1	88	.62	.094	14	67.4	.24	391	.005	9	1.24	.042	.07	.1	<.01	15.6	.1	<.05	4
PVT0234-R2	8.4	32.8	5.7	62	.1	25.1	12.1	751	2.92	56.5	.6	1.5	1.9	46	.1	.3	<.1	56	.91	.031	10	29.8	.10	263	.001	11	.76	.010	.13	.1	<.01	9.4	.2	<.05	2
PVT0234-R3	13.8	10.0	5.8	69	<.1	9.6	8.8	738	2.05	43.5	.6	1.5	1.3	62	.1	.3	.1	32	1.41	.017	9	11.3	.09	750	.001	11	.65	.015	.13	.1	<.01	7.0	.2	<.05	2
PVT0234-R4	1.4	63.8	6.0	67	<.1	60.1	23.1	1387	4.65	59.3	.6	1.0	2.7	52	.1	.1	.1	88	.65	.099	14	66.7	.21	284	.004	7	1.22	.062	.07	.1	<.01	16.5	.1	<.05	3
PVT0234-R5	4.8	43.9	5.8	73	<.1	48.7	19.1	1617	4.35	95.5	.7	<.5	2.3	58	.1	.3	.1	84	.67	.059	12	48.9	.14	441	.002	12	1.09	.015	.13	.1	<.01	11.9	.2	<.05	4
PVT0234-R6	13.7	20.1	5.1	43	<.1	10.1	8.9	694	2.17	72.4	.7	.6	1.8	76	<.1	.3	.9	31	.90	.037	12	15.8	.10	1010	.001	11	.81	.016	.20	.1	.01	5.6	.3	<.05	2
PVT0235-R1	5.4	21.0	45.6	171	.4	16.6	12.6	937	3.88	32.0	.7	5.5	1.8	35	.3	1.2	.2	73	.22	.012	3	6.1	.13	2325	.003	7	.77	.011	.05	.1	.10	5.9	.1	<.05	2
PVT0235-R2	1.3	53.8	28.1	98	.5	57.0	20.9	1086	3.96	34.4	1.1	3.1	2.3	48	.2	.7	.1	86	.53	.086	11	61.0	.21	103	.005	6	.99	.086	.07	.3	.04	14.4	.1	<.05	3
RE PVT0235-R2	1.3	56.3	29.1	101	.5	57.6	22.2	1121	4.10	36.1	1.0	2.8	2.4	49	.3	.9	.1	91	.56	.091	11	67.7	.22	105	.006	4	1.03	.093	.07	.3	.06	15.9	.1	<.05	3
PVT0235-R3	1.0	43.7	19.7	82	.2	44.1	18.7	782	3.25	8.4	.4	2.8	2.0	49	.2	.3	.1	76	.50	.071	10	60.3	.16	110	.008	4	.94	.122	.06	.5	.06	14.1	.1	<.05	2
PVT0235-R4	1.2	39.0	21.5	66	.2	40.1	15.7	762	3.09	7.8	.3	3.0	2.0	49	.2	.5	.1	71	.50	.071	10	56.8	.15	122	.008	4	.98	.130	.05	.9	.04	13.5	.1	<.05	3
PVT0235-R5	1.5	37.2	4.8	54	<.1	47.7	19.6	631	3.60	12.4	.3	1.9	2.0	45	.1	.1	<.1	82	.39	.067	9	65.8	.13	100	.003	4	.76	.080	.06	.1	.05	13.4	<.1	<.05	2
PVT0235-R6	5.7	41.7	5.1	63	<.1	48.8	18.0	990	3.78	50.9	.7	.6	2.0	68	<.1	.2	.1	75	1.34	.067	9	51.0	.29	163	.003	7	.92	.065	.07	.4	.06	11.6	.1	<.05	2
PVT0235-R7	.8	47.2	4.2	56	<.1	51.8	21.0	946	3.86	34.7	.7	2.1	2.3	108	.1	.1	<.1	70	1.77	.073	10	60.2	.57	159	.005	6	1.00	.091	.06	<.1	.07	13.0	.1	<.05	2
STANDARD DS4	6.2	125.5	30.2	157	.2	34.1	11.7	788	3.04	21.4	6.0	27.3	3.6	27	5.3	4.7	4.8	73	.52	.088	15	162.6	.57	143	.091	1	1.66	.030	.15	3.9	.27	3.6	1.1	<.05	6

Sample type: ROCK R150 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 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-6 File # A204711 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
G-1	1.7	2.9	2.7	44	<.1	5.6	4.3	552	1.91	<.5	2.3	.6	4.6	99	<.1	<.1	.1	45	.62	.089	10	16.4	.54	285	.143	<1	1.22	.153	.53	2.4	<.01	3.8	.3	<.05	6
2675N 4700E	.6	16.9	3.0	64	<.1	21.2	7.3	311	2.52	3.8	.3	<.5	1.1	48	.1	.2	.1	78	.36	.052	6	38.0	.34	184	.091	1	1.55	.027	.10	<.1	.01	5.9	<.1	<.05	4
2675N 4725E	1.6	20.2	4.6	88	.1	16.9	8.9	1242	1.93	3.3	.3	<.5	.4	66	.3	.2	.1	46	.79	.058	7	28.3	.28	412	.053	3	1.34	.021	.12	<.1	.04	4.2	<.1	<.05	4
2675N 4750E	1.1	25.0	3.9	109	.1	20.8	9.6	889	2.13	3.8	.5	<.5	.8	63	.4	.1	.1	51	.89	.062	9	29.5	.34	354	.046	3	1.47	.027	.17	<.1	.02	6.1	<.1	<.05	4
2675N 4775E	1.0	22.3	3.6	217	<.1	17.5	6.9	801	1.77	1.7	.3	<.5	.8	57	.5	.2	.1	43	.61	.075	7	24.6	.23	479	.053	2	1.55	.018	.13	<.1	.01	4.0	<.1	<.05	4
2675N 4800E	.6	15.5	3.2	95	<.1	20.3	5.8	419	2.02	2.9	.2	.9	.9	40	.1	.1	.1	59	.40	.074	4	33.2	.32	238	.096	3	1.66	.016	.14	<.1	.01	3.7	<.1	<.05	5
2675N 4825E	.6	23.9	4.3	75	<.1	36.5	11.0	385	2.98	5.0	.6	1.7	1.5	68	.1	.2	.1	78	.43	.109	9	50.1	.58	279	.103	3	2.56	.024	.15	<.1	.02	7.7	.1	<.05	6
2675N 4850E	1.4	30.9	6.6	201	.1	22.2	8.0	1756	1.64	3.8	.2	<.5	.4	71	.4	.7	.1	44	.86	.093	5	24.5	.17	963	.048	5	1.14	.014	.08	<.1	.05	3.5	.1	<.05	3
2675N 4875E	1.7	16.0	3.6	67	.1	15.1	8.4	818	1.72	2.4	.3	<.5	.5	59	.2	.1	.1	44	.51	.052	6	25.2	.29	327	.052	2	1.40	.018	.14	<.1	.02	3.7	<.1	<.05	3
2675N 4900E	1.0	35.6	4.2	82	.1	40.4	14.8	819	3.07	4.3	.6	<.5	1.0	104	.1	.2	.1	79	1.09	.073	12	38.0	.80	327	.120	3	2.31	.030	.18	<.1	.03	7.6	.1	<.05	6
2675N 4925E	1.3	24.6	4.3	118	<.1	28.5	11.4	1065	2.76	3.9	.4	<.5	.9	75	.2	.2	.1	68	.65	.105	6	36.7	.50	387	.089	2	2.00	.024	.08	<.1	.02	5.2	.1	<.05	5
2675N 4950E	.9	12.4	3.4	75	<.1	13.0	5.4	385	1.95	2.3	.2	<.5	.9	40	.1	.2	.1	56	.28	.044	4	27.3	.23	179	.076	3	1.12	.022	.10	<.1	.01	3.3	<.1	<.05	3
2675N 4975E	.9	18.5	4.4	123	.1	18.0	6.1	442	1.81	2.0	.4	<.5	1.1	49	.1	.2	.1	44	.43	.055	10	27.8	.26	235	.077	4	1.76	.026	.07	<.1	.01	3.8	<.1	<.05	5
2675N 5000E	1.5	11.2	4.4	90	<.1	12.9	5.6	817	1.76	1.9	.4	1.1	.8	44	.1	.1	.1	49	.38	.041	4	24.7	.18	197	.089	<1	1.07	.026	.09	<.1	.03	2.7	<.1	<.05	3
2400E 3800N(d)	.3	24.0	3.8	45	.1	19.5	7.7	419	2.13	2.1	.7	.7	1.0	64	.1	.2	.1	54	.59	.022	10	35.4	.42	80	.121	3	2.01	.052	.05	<.1	.03	4.9	.1	<.05	5
3350E 4550N	.7	16.1	4.9	86	.1	32.0	9.0	692	2.14	1.8	.3	1.3	1.0	53	.1	.2	.1	55	.31	.072	4	45.8	.45	162	.135	1	2.46	.023	.09	<.1	.02	2.9	<.1	<.05	6
3350E 4525N	.5	17.6	4.2	82	.1	43.6	9.3	441	2.20	3.0	.3	.5	1.0	57	.1	.2	.1	63	.34	.109	3	54.4	.54	159	.136	1	2.67	.030	.11	<.1	.01	3.8	<.1	<.05	7
3350E 4500N	.5	18.6	4.8	78	.1	39.1	8.9	395	2.11	1.4	.2	<.5	.8	52	.1	.2	.1	66	.31	.055	3	89.5	.64	115	.147	1	2.07	.036	.10	<.1	.01	3.2	<.1	<.05	6
3350E 4475N	.6	13.5	3.7	90	<.1	27.5	7.4	630	1.92	2.2	.2	1.3	.7	48	.1	.2	.1	53	.41	.075	3	45.2	.43	124	.119	1	1.88	.019	.12	<.1	.01	2.6	<.1	<.05	6
3350E 4450N	.6	17.4	4.4	91	.1	30.8	10.4	390	2.31	3.4	.3	4.1	1.1	50	.1	.2	.1	59	.38	.137	6	43.6	.55	144	.130	<1	2.57	.023	.10	<.1	.02	4.0	<.1	<.05	7
3350E 4425N	.8	14.8	4.7	75	.1	26.2	9.2	399	2.15	2.7	.3	<.5	.9	50	.1	.2	.1	60	.39	.101	5	42.8	.44	127	.123	1	1.92	.023	.07	<.1	.03	3.4	<.1	<.05	6
3350E 4400N	.6	18.8	4.3	66	<.1	24.5	9.9	340	2.29	2.5	.3	.8	1.1	75	.1	.3	.1	62	.72	.098	6	44.2	.50	156	.123	1	1.70	.026	.17	<.1	.02	4.0	<.1	<.05	6
RE 3350E 4400N	.6	18.5	4.1	61	.1	25.8	10.5	336	2.32	2.7	.3	.9	1.1	77	.1	.3	.1	58	.74	.098	5	42.4	.51	156	.125	2	1.69	.027	.16	<.1	.02	3.9	<.1	<.05	6
3450E 4550N	.4	30.1	4.4	64	.3	55.2	12.2	703	2.87	2.3	1.1	1.2	1.1	69	.1	.2	.1	83	.88	.041	26	63.6	.79	94	.134	2	2.45	.065	.05	<.1	.04	8.1	<.1	<.05	6
3450E 4525N	.5	16.0	3.3	65	.1	45.2	10.5	432	2.41	1.2	.2	1.2	.8	49	<.1	.1	.1	76	.41	.036	3	71.5	.70	87	.139	2	1.79	.053	.09	<.1	.01	4.3	<.1	<.05	5
3450E 4500N	1.1	15.0	4.6	105	.2	31.5	10.4	939	2.06	2.3	.2	.6	.7	39	.2	.1	.1	52	.34	.143	4	43.1	.39	146	.099	<1	1.85	.020	.12	<.1	.03	2.9	<.1	<.05	5
3450E 4475N	.6	13.0	3.7	67	.1	29.8	8.3	367	1.98	1.7	.2	<.5	.6	41	.1	.2	.1	55	.32	.099	3	47.5	.41	112	.122	<1	1.68	.034	.08	<.1	.02	2.8	<.1	<.05	5
3450E 4450N	.6	10.4	4.6	43	.1	19.6	6.6	231	1.70	1.7	.2	1.3	.6	35	<.1	.2	.1	50	.32	.059	4	33.9	.31	108	.113	3	1.60	.027	.06	<.1	.02	2.5	<.1	<.05	5
3450E 4425N	.4	13.9	4.9	48	.1	23.9	6.8	364	1.82	2.3	.4	1.8	.9	42	<.1	.2	.1	52	.42	.026	13	36.4	.41	75	.094	<1	1.46	.033	.04	<.1	.02	3.5	<.1	<.05	5
3450E 4400N	.2	29.0	8.0	45	.3	35.3	6.3	266	2.02	3.7	.8	.9	1.6	63	.1	.3	.1	42	.78	.028	13	36.4	.63	124	.096	1	2.55	.043	.04	<.1	.04	6.4	.1	<.05	6
4350E 3000N	.6	22.9	4.2	80	<.1	28.3	9.5	595	2.46	3.2	.4	.7	1.4	61	.1	.2	.1	60	.57	.052	9	35.6	.43	280	.070	6	1.35	.031	.18	<.1	.02	6.9	.1	<.05	4
4350E 2975N	.8	21.8	3.4	105	<.1	29.1	10.6	667	2.63	3.0	.3	<.5	1.2	52	.1	.2	.1	65	.48	.044	10	39.2	.42	199	.079	3	1.33	.031	.15	<.1	.02	6.8	.1	<.05	4
4350E 2950N	.7	18.1	3.1	62	<.1	20.2	7.4	550	1.71	2.5	.3	<.5	.7	62	.1	.1	<.1	41	.69	.038	7	23.7	.23	282	.052	3	1.03	.025	.18	<.1	.02	4.3	<.1	.07	3
4350E 2925N	.7	20.6	4.4	128	<.1	18.9	8.0	1040	1.68	2.5	.3	.5	.8	67	.4	.2	.1	41	.74	.065	7	22.3	.30	340	.066	5	1.16	.030	.18	<.1	.01	3.9	<.1	<.05	3
4350E 2900N	.6	36.1	5.0	162	.1	29.0	9.3	587	2.53	4.0	.7	<.5	1.0	87	.8	.2	.1	51	1.26	.125	10	37.0	.60	386	.065	7	2.09	.031	.16	<.1	.03	6.2	.1	.06	5
STANDARD DS4	7.0	120.4	30.6	153	.3	35.4	11.8	806	3.17	22.6	6.4	28.2	3.8	30	5.5	5.3	5.0	76	.56	.094	16	166.0	.59	146	.098	<1	1.80	.033	.15	4.2	.28	3.9	1.1	.06	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: OCT 24 2002 DATE REPORT MAILED: Nov 5/02 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 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
G-1	1.4	2.9	2.3	43	<.1	5.9	3.8	505	2.05	<.5	1.8	.7	4.4	90	<.1	<.1	.1	44	.58	.079	7	15.5	.52	233	.134	<1	1.05	.098	.51	2.3	<.01	2.8	.3	<.05	5
4400E 2975N	.7	20.9	6.9	272	<.1	19.8	8.3	1555	2.24	5.1	.3	.5	.8	80	.6	.2	.1	59	1.10	.095	6	25.8	.30	1160	.055	6	1.76	.012	.14	<.1	.04	4.6	.1	<.05	5
4400E 2925N	.4	30.3	4.7	107	<.1	33.3	13.0	970	3.22	6.9	.4	.5	1.6	75	.1	.2	.1	87	.64	.068	13	47.5	.35	290	.065	4	1.71	.021	.19	<.1	.01	9.4	.1	<.05	5
4450E 3000N	.7	26.6	4.4	70	.1	23.0	10.2	824	2.42	2.6	1.6	<.5	1.0	78	.2	.2	.1	57	1.02	.038	11	29.3	.47	401	.046	6	1.42	.023	.09	<.1	.03	6.4	.1	<.05	4
4450E 2975N	.5	24.8	5.1	71	.1	23.2	10.3	690	2.50	2.5	1.3	<.5	1.3	66	.1	.1	.1	56	.79	.032	11	34.8	.56	383	.065	5	1.82	.024	.12	<.1	.03	7.3	.1	<.05	5
4450E 2950N	.5	18.5	4.4	57	.1	15.5	8.8	600	2.17	1.7	.6	1.8	1.2	57	.1	.1	.1	49	.62	.021	10	29.4	.44	353	.068	4	1.47	.020	.13	<.1	.02	6.5	<.1	<.05	4
4450E 2925N	.7	24.5	4.8	99	.1	31.4	13.1	1025	3.21	4.5	.4	.5	1.3	95	.1	.2	.1	74	.68	.050	12	47.2	.54	272	.065	3	2.11	.020	.13	<.1	.04	9.2	.1	<.05	6
4450E 2900N	1.5	105.1	5.9	132	<.1	74.3	21.9	1233	6.94	18.8	.4	.9	1.7	79	.1	.5	.1	141	.71	.140	15	111.6	.25	251	.008	3	2.22	.024	.20	<.1	.03	22.4	.1	<.05	5
5150E 3400N	.4	8.2	4.0	91	.1	8.4	3.2	494	1.34	1.0	.2	<.5	.8	25	.1	.1	.1	36	.23	.044	5	20.1	.19	251	.081	<1	1.14	.013	.09	<.1	.02	1.8	<.1	<.05	3
5150E 3375N	.7	7.8	5.0	93	<.1	11.1	4.7	1068	1.43	1.4	.2	<.5	.7	32	.1	.1	.1	38	.24	.050	4	22.1	.19	159	.082	2	1.23	.013	.07	<.1	.01	2.0	<.1	<.05	4
5150E 3350N	.6	10.3	5.0	62	<.1	13.2	5.4	347	1.76	1.6	.2	1.0	1.1	34	<.1	.2	.1	49	.25	.032	5	25.3	.23	109	.102	1	1.31	.015	.07	<.1	.02	2.3	<.1	<.05	4
5150E 3325N	.6	9.4	4.4	66	<.1	15.5	5.5	378	1.88	2.1	.2	1.2	1.0	37	.1	.2	.1	57	.22	.035	4	30.0	.26	125	.129	1	1.36	.015	.06	<.1	.01	2.4	<.1	<.05	4
5150E 3300N	.5	10.9	4.3	64	<.1	14.1	5.7	384	1.99	2.3	.3	3.5	1.1	44	.1	.3	.1	63	.30	.039	5	34.3	.28	126	.127	1	1.29	.017	.11	<.1	.02	2.7	<.1	<.05	4
5200E 3375N	.5	11.1	4.2	70	<.1	17.5	6.8	470	2.08	2.4	.3	.9	1.2	49	.1	.2	.1	60	.33	.055	6	36.9	.33	148	.107	1	1.69	.015	.11	<.1	.02	3.2	<.1	<.05	5
5200E 3325N	.5	10.2	4.1	60	<.1	13.7	5.4	409	1.85	1.5	.3	<.5	1.1	42	.1	.2	.1	53	.24	.032	6	29.3	.25	124	.104	<1	1.39	.015	.10	<.1	.01	3.0	<.1	<.05	4
5240E 3310N	.4	23.9	3.9	88	<.1	58.2	15.6	445	4.18	6.0	.6	.8	2.3	53	<.1	<.1	.1	103	.40	.082	16	36.0	1.29	121	.267	1	2.92	.026	.07	<.1	.02	7.6	.1	<.05	8
5250E 3400N	.8	12.4	3.8	84	<.1	16.0	6.3	571	2.10	2.4	.2	2.2	.9	38	<.1	.4	.1	57	.23	.057	4	33.4	.31	166	.109	1	1.60	.014	.08	<.1	.02	2.7	<.1	<.05	5
5250E 3375N	.6	11.3	4.4	107	<.1	15.7	5.5	712	1.71	1.7	.2	<.5	.9	37	.1	.2	.1	47	.33	.048	4	28.1	.28	176	.094	3	1.55	.015	.09	<.1	.02	2.6	<.1	<.05	5
5250E 3350N	.8	21.8	4.4	70	<.1	30.1	11.1	351	3.00	5.8	.4	1.8	1.7	58	<.1	.5	.1	78	.40	.065	8	44.8	.69	154	.099	1	2.14	.017	.12	<.1	.06	5.4	<.1	<.05	5
5250E 3325N	.6	13.5	4.3	74	<.1	25.7	9.3	346	2.47	2.3	.3	.5	1.2	36	<.1	.1	.1	76	.25	.055	5	27.6	.59	105	.197	1	1.69	.021	.07	<.1	.02	3.3	<.1	<.05	5
5250E 3300N	.6	12.6	3.6	91	<.1	21.9	8.5	577	2.29	1.3	.3	1.1	1.2	34	<.1	.1	.1	67	.25	.054	4	31.3	.50	116	.169	2	1.58	.024	.07	<.1	.01	3.4	<.1	<.05	5
RE 5250E 3300N	.6	12.4	3.6	89	<.1	20.9	7.9	562	2.15	1.4	.3	.5	1.1	33	.1	.1	.1	70	.26	.050	4	28.0	.49	114	.163	1	1.47	.022	.08	<.1	.01	3.5	<.1	<.05	5
5550E 3650N	.8	15.0	4.8	98	.1	27.0	7.1	572	2.07	3.3	.3	2.7	1.1	38	.1	.3	.1	54	.33	.084	4	29.5	.38	633	.117	2	2.10	.021	.09	<.1	.02	3.4	.1	<.05	6
5550E 3625N	.5	7.1	3.3	49	<.1	10.3	3.4	574	1.29	1.6	.2	<.5	.6	26	.1	.2	.1	36	.23	.033	2	21.6	.17	331	.087	2	.99	.018	.09	<.1	.01	1.7	.1	<.05	3
5550E 3600N	.6	8.7	4.1	54	<.1	12.5	4.1	363	1.56	1.7	.2	<.5	.7	37	.1	.3	.1	44	.36	.034	2	25.3	.21	367	.103	2	1.27	.018	.09	<.1	.01	2.4	.1	<.05	4
5550E 3575N	.7	12.4	4.7	52	<.1	16.3	5.6	436	2.05	3.8	.3	.7	.9	46	.1	.8	.1	56	.40	.052	3	29.7	.20	517	.095	3	1.07	.020	.12	<.1	.02	3.8	.1	<.05	4
5550E 3550N	1.0	14.4	4.4	83	.1	23.6	7.3	895	2.04	3.7	.3	1.2	.9	63	.2	.2	.1	61	.85	.110	4	31.0	.36	880	.103	2	1.94	.022	.10	<.1	.03	3.6	.1	<.05	5
5600E 3625N	.7	13.6	3.8	77	<.1	18.8	7.1	538	2.13	2.8	.3	.8	1.0	46	.1	.2	.1	64	.42	.038	4	37.4	.35	298	.135	3	1.61	.028	.11	<.1	.02	3.4	.1	<.05	5
5600E 3575N	.7	30.6	4.2	58	.1	46.4	15.4	507	3.98	5.8	.6	2.9	2.1	86	<.1	.4	.1	108	.63	.056	17	60.8	.92	350	.143	2	2.42	.029	.19	<.1	.03	11.5	.1	<.05	7
5650E 3650N	.7	12.6	4.1	98	<.1	18.0	5.6	565	1.74	2.6	.2	.5	.8	39	.1	.1	.1	47	.31	.054	2	30.1	.31	144	.122	2	1.67	.020	.11	<.1	.01	2.8	<.1	<.05	5
5650E 3625N	.8	11.1	4.2	70	<.1	18.9	6.1	514	2.01	3.0	.3	.5	.9	51	.1	.1	.1	55	.34	.049	3	32.3	.35	128	.127	2	1.64	.022	.10	<.1	.01	3.0	<.1	<.05	5
5650E 3600N	.6	13.6	3.9	77	<.1	20.7	7.0	534	2.24	2.6	.3	<.5	.8	50	.1	.2	.1	59	.43	.057	3	35.6	.39	154	.128	3	1.56	.020	.16	<.1	.02	3.8	.1	<.05	5
5650E 3575N	.9	16.0	4.4	54	<.1	23.7	9.0	386	2.83	5.4	.3	.7	1.2	58	<.1	.3	.1	87	.45	.047	4	47.3	.48	296	.161	2	1.91	.032	.06	<.1	.02	5.2	.1	<.05	5
5650E 3550N	1.4	14.5	4.4	82	<.1	19.7	7.5	581	2.30	4.1	.4	<.5	1.1	54	.1	.4	.1	64	.38	.044	5	37.7	.29	409	.121	3	1.53	.028	.10	<.1	.02	4.4	.2	<.05	4
MC-S53	.4	24.5	4.6	42	<.1	33.0	12.3	265	3.00	2.2	.4	<.5	1.4	79	<.1	.1	.1	85	.47	.052	8	48.2	.91	241	.129	1	3.52	.027	.03	<.1	.03	6.6	<.1	<.05	8
STANDARD DS4	6.3	124.7	30.7	158	.2	33.1	11.5	797	3.25	22.6	5.8	26.3	3.9	28	5.2	5.1	5.3	74	.54	.080	16	164.2	.57	145	.091	2	1.70	.028	.15	3.7	.29	3.9	1.2	<.05	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
G-1	1.3	3.0	2.6	40	<.1	4.4	4.0	491	1.84	<.5	2.0	.5	4.1	84	<.1	<.1	.1	40	.59	.074	8	14.0	.51	247	.125	1	1.06	.127	.49	2.3	<.01	2.8	.3	<.05	5
PV02-S25	.5	16.8	4.2	71	<.1	16.7	8.9	678	2.27	2.4	.4	.8	1.0	46	.1	.1	.1	70	.41	.040	5	35.9	.40	214	.117	2	1.54	.014	.13	<.1	.02	3.7	<.1	<.05	5
PV02-S26	.4	39.6	4.2	65	.1	29.4	13.5	668	2.93	1.5	.8	.9	1.2	78	.1	.2	.1	75	.70	.045	13	53.5	.72	130	.105	3	2.64	.030	.12	<.1	.03	8.6	.1	<.05	6
PV02-S27	.5	27.2	3.8	58	.1	49.7	13.1	376	3.11	4.1	.5	4.6	1.4	114	<.1	.3	.1	87	.65	.073	11	55.1	1.14	152	.099	2	2.64	.028	.12	<.1	.02	7.4	.1	<.05	7
PV02-S28	.5	20.0	5.1	61	.1	33.0	12.2	343	3.11	2.5	.5	1.2	1.5	69	<.1	.1	.1	81	.40	.097	8	42.1	.68	185	.093	1	3.17	.015	.05	<.1	.03	5.6	<.1	<.05	9
PV02-S29	.7	18.0	5.4	77	.1	34.3	13.0	492	3.21	2.6	.4	1.0	1.3	48	.1	.1	.1	69	.32	.160	8	44.3	.73	182	.069	<1	3.60	.007	.06	.1	.03	5.0	<.1	<.05	10
PV02-S30	.3	16.0	5.6	49	<.1	26.6	10.5	396	2.76	2.1	.7	.8	1.6	93	<.1	.1	.1	64	.71	.076	14	49.4	.88	287	.115	2	2.36	.032	.05	<.1	.03	7.9	<.1	<.05	6
PV02-S31	.7	16.1	5.4	90	<.1	7.0	5.9	682	2.31	5.0	.2	.9	1.4	45	<.1	.1	.1	64	.36	.051	7	14.9	.13	176	.036	2	.95	.012	.09	<.1	.02	2.9	<.1	<.05	4
PV02-S35	.4	11.4	5.9	64	<.1	10.9	7.7	467	2.65	2.9	.7	1.6	.7	62	.1	.1	.1	69	.68	.047	14	25.3	.54	83	.045	1	2.08	.021	.19	<.1	.03	6.3	.1	<.05	7
PV02-S36	.5	19.5	5.2	61	.1	24.3	11.2	479	2.63	2.0	1.1	1.4	1.0	78	.2	.2	.1	55	1.04	.048	19	40.6	.67	250	.056	2	2.43	.027	.10	<.1	.04	9.3	.1	<.05	6
PV02-S36D	1.3	17.5	5.8	62	.1	29.1	11.7	920	2.90	10.4	.6	5.4	1.6	79	.1	.4	.1	67	.70	.052	21	38.8	.75	204	.036	3	1.61	.026	.11	<.1	.02	7.8	<.1	<.05	5
PV02-S37	1.2	35.8	5.7	74	<.1	26.6	15.7	1154	3.20	7.2	.5	.8	1.5	26	.1	.1	.1	85	.25	.094	7	40.4	.70	164	.107	<1	3.52	.009	.09	<.1	.03	4.8	.1	<.05	10
PV02-S38	.7	20.2	5.3	67	.1	23.3	10.4	843	2.25	3.8	.5	2.4	1.1	75	.1	.4	.1	62	.55	.044	15	37.3	.54	129	.112	1	1.78	.026	.17	.1	.02	5.4	.1	<.05	5
PV02-S39	.5	27.2	4.9	70	.1	30.7	13.2	671	2.72	3.9	.8	2.7	1.1	73	.1	.2	.1	74	.79	.038	16	48.0	.66	124	.119	3	2.15	.040	.10	.1	.02	6.9	.1	<.05	5
PV02-S40	.4	24.3	3.9	57	.1	45.2	15.3	546	3.59	5.4	.7	1.7	1.8	128	.1	.2	.1	92	.86	.043	11	65.8	1.21	134	.150	1	2.41	.062	.07	.1	.03	9.4	.1	<.05	6
RE PV02-S40	.4	26.1	4.0	57	.1	46.8	15.8	561	3.81	5.1	.7	2.1	1.8	121	<.1	.2	.1	95	.83	.043	10	70.0	1.22	127	.153	2	2.46	.063	.07	.1	.02	9.9	.1	<.05	6
PV02-S43	.8	46.2	1.3	67	<.1	48.3	14.5	271	5.34	6.0	.3	1.0	1.5	90	<.1	.1	<.1	91	.77	.070	14	99.2	.22	115	.006	<1	2.36	.054	.10	<.1	.02	24.0	<.1	<.05	6
PV02-S44	.7	21.6	5.1	69	.1	27.4	9.0	430	3.30	4.7	.5	5.1	1.6	82	.1	.3	.1	85	.87	.052	24	43.5	.38	411	.077	5	1.84	.025	.17	<.1	.03	8.9	.1	<.05	5
PV02-S45	.4	40.6	1.6	84	<.1	52.0	18.5	449	5.77	6.2	.4	2.1	1.7	93	<.1	.1	<.1	84	.80	.098	17	87.4	.32	129	.007	<1	2.76	.035	.13	<.1	.01	22.5	<.1	<.05	6
PVT0211-S1	.7	37.3	4.3	54	.1	40.1	17.6	911	3.46	20.7	.5	29.1	1.7	122	.1	.9	.1	104	.94	.094	15	50.3	1.07	123	.106	2	1.81	.079	.05	.1	.07	8.5	.1	<.05	5
PVT0211-S2	.9	36.5	4.6	60	.1	42.1	18.4	1036	3.41	22.3	.4	25.3	1.7	119	.1	.9	.1	96	.99	.101	15	47.7	1.16	122	.098	2	1.78	.074	.06	.1	.05	8.3	.1	<.05	5
PVT0211-S3	.8	46.7	4.7	62	.1	45.7	20.6	1024	3.97	24.6	.5	28.1	1.9	145	.1	.9	.1	108	1.00	.104	17	57.6	1.35	144	.101	1	2.40	.065	.06	.1	.08	11.2	.1	<.05	7
PVT0211-S4	.6	38.9	4.1	57	.2	50.4	17.4	756	3.82	14.6	.8	29.0	1.7	145	<.1	.7	.1	105	.94	.101	19	61.9	1.22	190	.115	1	2.55	.055	.07	.1	.06	10.9	.1	<.05	7
PVT0211-S5	.5	35.5	4.1	59	.1	51.0	15.4	661	3.89	14.6	1.0	15.5	1.9	114	.1	.6	.1	101	.88	.115	19	68.3	1.29	232	.111	1	3.55	.045	.09	.1	.05	12.6	.1	<.05	8
PVT0211-S6	.6	32.3	4.1	65	.1	46.7	15.9	556	3.85	12.1	.8	15.0	1.9	99	.1	.6	.1	98	.75	.085	15	67.2	1.24	265	.108	1	3.68	.029	.10	<.1	.03	11.7	.1	<.05	8
PVT0211-S7	.6	40.5	4.5	61	.1	44.8	17.5	965	3.80	21.9	.6	18.7	1.8	148	.1	.8	.1	103	.89	.103	17	61.0	1.20	158	.113	<1	2.52	.051	.06	.1	.07	10.9	.1	<.05	7
PVT0211-S8	.6	41.0	4.6	59	.2	46.8	17.5	842	3.92	25.5	.6	25.5	1.9	150	.1	.8	.1	111	1.02	.098	17	70.5	1.22	154	.122	1	2.78	.065	.06	.1	.09	12.9	.1	<.05	7
PVT0211-S9	.7	40.2	4.7	57	.1	42.6	17.8	918	3.75	24.0	.6	37.4	1.9	140	.1	.9	.1	100	.98	.105	17	59.0	1.33	189	.113	2	2.32	.067	.06	.1	.08	10.7	.1	<.05	6
PVT0211-S10	.4	35.6	4.2	56	.3	41.8	11.8	425	3.58	14.7	1.0	29.3	1.8	116	.1	.7	.1	88	.86	.083	19	60.6	1.15	207	.109	1	3.04	.041	.09	<.1	.08	11.9	.1	<.05	7
PVT0213-S1	.5	49.3	2.7	58	<.1	43.1	16.9	463	3.73	9.9	.6	1.9	1.7	87	<.1	.3	<.1	110	.87	.105	13	72.0	1.51	94	.130	1	2.34	.066	.10	<.1	.02	9.3	<.1	<.05	7
PVT0213-S2	.6	41.7	4.0	67	.2	54.6	22.2	1037	3.91	23.9	.6	32.0	2.0	123	.1	1.3	.1	96	2.47	.119	18	60.8	1.76	91	.088	2	2.10	.096	.09	.1	.05	9.0	.1	.09	6
PVT0213-S3	.5	32.1	3.4	54	.1	38.3	13.9	681	3.04	9.5	.5	6.4	1.5	118	.1	.7	<.1	100	.95	.107	13	48.5	1.01	120	.121	1	1.74	.093	.06	.1	.05	7.1	.1	<.05	5
PVT0214-S1	.5	36.5	4.1	55	.1	42.0	16.2	892	3.35	11.8	.6	7.2	1.7	134	.1	.7	.1	95	1.04	.093	16	52.2	1.16	126	.117	1	2.13	.082	.06	.1	.05	8.8	.1	<.05	6
PVT0215-S1	.8	41.2	4.6	68	.2	54.3	23.2	985	4.18	24.3	.7	18.5	2.1	149	.1	1.5	.1	109	2.05	.118	17	66.8	1.80	125	.092	4	2.35	.083	.11	.1	.07	9.7	.1	.10	7
PVT0216-S1	.6	42.4	4.3	67	.1	57.0	20.7	772	4.07	17.9	.7	16.2	2.0	156	.1	1.3	.1	100	1.63	.106	16	61.8	1.76	125	.103	3	2.32	.077	.10	.1	.06	9.9	.1	<.05	6
STANDARD DS4	6.4	121.7	31.2	158	.3	33.6	12.0	787	3.21	22.5	6.4	27.6	3.6	29	5.3	5.0	5.2	76	.54	.084	17	167.8	.56	142	.094	1	1.75	.030	.14	4.2	.27	4.0	1.2	.07	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
G-1	1.5	3.3	2.5	43	<.1	6.4	4.4	589	1.92	.5	1.8	1.3	4.4	86	<.1	<.1	.1	46	.64	.087	9	18.8	.53	239	.136	<1	1.04	.118	.50	2.2	<.01	2.3	.3	<.05	5
PVT0216-S2	.8	44.3	4.8	62	.1	53.0	23.6	966	3.37	12.4	.6	58.3	2.0	126	.1	.9	.1	93	1.09	.100	15	48.0	1.50	132	.082	1	2.07	.074	.07	.1	.06	9.1	.1	<.05	7
PVT0217-S1	.3	62.7	1.8	42	<.1	28.2	19.8	660	3.06	3.3	.4	3.4	1.5	100	<.1	.1	<.1	90	1.55	.082	8	45.9	1.23	175	.083	1	1.75	.044	.13	<.1	.02	5.8	<.1	<.05	5
PVT0217-S2	.5	40.6	4.0	57	.1	49.4	22.3	1122	3.46	11.8	.4	10.2	1.8	141	.1	1.0	.1	101	.95	.095	14	51.0	1.49	122	.086	1	1.86	.060	.07	<.1	.06	7.9	.1	<.05	5
PVT0218-S1	.9	51.7	3.1	64	<.1	21.6	19.2	1155	3.76	13.4	.4	2.7	1.7	61	.1	.2	<.1	98	.98	.094	12	30.7	.55	146	.020	2	.98	.025	.07	<.1	.05	8.0	.1	<.05	3
PVT0218-S2	.5	32.3	3.7	46	.1	42.3	15.5	633	3.22	11.6	.7	38.1	1.6	101	<.1	.7	.1	90	.85	.091	16	52.7	.98	130	.097	<1	2.07	.051	.07	.1	.03	8.6	.1	<.05	5
PVT0219-S1	.9	52.4	3.1	66	<.1	22.8	18.0	832	3.82	13.0	.4	2.0	1.6	81	.1	.2	<.1	94	1.68	.088	12	31.7	.74	105	.023	3	.96	.027	.07	<.1	.03	8.7	.1	<.05	3
PVT0220-S1	.8	42.0	4.4	62	.1	53.9	21.5	825	3.70	18.1	.5	9.1	1.7	124	.1	1.0	.1	88	1.85	.102	15	47.7	1.71	118	.087	<1	1.93	.099	.09	.1	.04	8.0	.1	<.05	6
PVT0220-S2	.6	38.8	3.7	53	.1	41.6	17.9	994	3.10	20.6	.4	13.6	1.5	101	.1	1.0	<.1	93	.84	.100	13	44.2	1.06	106	.103	2	1.54	.082	.06	<.1	.05	6.7	.1	<.05	5
PVT0221-S1	1.1	36.7	4.2	62	.2	47.6	19.8	868	3.52	28.2	.4	31.9	1.7	126	<.1	1.0	.1	87	1.92	.101	15	48.8	1.61	115	.076	2	1.87	.105	.08	<.1	.09	7.3	.1	<.05	6
PVT0221-S2	1.0	45.3	4.8	60	.2	53.9	23.6	1146	3.51	29.4	.4	34.5	1.8	123	.1	1.1	.1	92	1.90	.109	15	53.9	1.42	113	.092	2	1.82	.093	.08	.1	.07	8.4	.1	<.05	5
PVT0221-S3	.7	35.4	3.9	51	.1	39.4	17.8	991	3.20	21.8	.4	25.8	1.6	120	.1	.8	.1	87	.90	.099	14	48.2	1.08	106	.104	<1	1.58	.087	.07	.1	.04	7.5	.1	<.05	5
PVT0222-S1	.9	36.1	4.1	59	.2	50.8	19.0	872	3.76	30.4	.4	18.2	2.0	124	.1	1.2	.1	90	2.02	.108	15	49.6	1.51	121	.081	2	1.89	.110	.08	<.1	.06	8.0	.1	.11	6
PVT0222-S2	.7	29.0	3.7	45	.2	38.1	16.3	838	2.92	20.1	.4	24.0	1.4	101	<.1	.9	.1	86	.91	.088	13	41.6	.98	111	.098	<1	1.48	.077	.05	.1	.06	6.6	.1	<.05	4
PVT0222-S3	.4	39.4	3.8	44	.2	34.7	14.5	597	3.20	15.2	.5	136.4	1.7	116	.1	.8	<.1	87	.78	.083	14	56.5	1.05	122	.119	1	2.11	.069	.06	.1	.05	9.1	.1	<.05	5
PVT0223-S1	.9	39.2	4.1	64	.2	49.1	19.8	870	3.51	28.8	.4	17.9	1.9	119	.1	1.1	.1	86	2.29	.107	15	53.8	1.65	110	.089	1	1.96	.090	.10	.1	.07	8.4	.1	.07	5
PVT0223-S2	.6	31.7	3.9	48	.1	39.5	15.3	951	3.00	18.5	.4	16.9	1.5	108	.1	.9	<.1	85	.86	.096	13	44.1	1.02	104	.109	1	1.32	.097	.06	.1	.04	6.6	.1	<.05	4
PVT0223-S3	.5	26.9	3.7	45	.1	31.6	13.1	706	2.88	14.0	.4	12.8	1.4	108	.1	.7	<.1	91	.82	.091	11	42.3	.84	110	.112	<1	1.37	.082	.05	.1	.03	6.3	<.1	<.05	4
PVT0224-S1	.6	24.4	4.9	50	<.1	32.6	13.1	756	2.76	6.8	.4	1.0	1.4	116	.1	.4	.1	76	.89	.085	14	36.0	.90	154	.079	1	1.42	.084	.06	<.1	.03	6.3	.1	<.05	4
PVT0224-S2	.5	26.6	4.8	47	<.1	33.9	13.3	627	2.83	6.4	.5	1.3	1.6	138	.1	.4	.1	82	.85	.081	13	39.2	.93	157	.095	<1	1.55	.068	.05	<.1	.03	7.1	.1	<.05	4
PVT0225-S1	.9	35.9	4.9	66	.1	58.4	22.1	1148	3.59	10.2	.4	4.0	1.7	125	.1	.7	.1	88	1.17	.102	15	44.0	1.50	122	.101	2	1.93	.122	.08	<.1	.05	8.4	.1	<.05	6
PVT0225-S2	.4	26.0	4.6	47	<.1	31.8	11.3	556	2.76	7.2	.5	2.1	1.5	127	<.1	.4	.1	82	.90	.080	13	42.2	.98	148	.095	<1	1.51	.098	.05	<.1	.04	6.9	.1	<.05	4
PVT0226-S1	.3	80.2	1.2	64	<.1	22.0	27.2	1342	4.28	3.5	.5	1.8	1.7	39	.1	.1	<.1	119	.66	.051	6	39.7	1.38	129	.033	<1	1.99	.019	.32	<.1	.01	11.7	.1	<.05	7
PVT0226-S2	.1	84.1	.7	30	<.1	21.7	12.5	280	2.75	2.9	.4	2.1	.7	36	<.1	<.1	<.1	112	.64	.069	3	53.0	.78	97	.059	<1	1.70	.046	.14	<.1	.01	4.6	<.1	<.05	5
PVT0226-S3	.5	39.1	4.6	60	.1	60.2	22.2	1101	3.88	9.7	.5	2.7	1.8	138	<.1	1.1	.1	94	1.10	.096	14	52.5	1.73	122	.104	<1	2.07	.099	.09	.1	.08	9.2	.1	<.05	6
PVT0226-S4	.4	29.8	4.2	52	.1	45.2	15.9	581	3.48	6.8	1.4	3.7	1.8	120	<.1	.3	.1	92	.83	.065	15	57.9	1.27	131	.114	<1	2.39	.053	.07	<.1	.05	11.1	.1	<.05	6
RE PVT0226-S4	.4	27.8	4.3	49	<.1	43.8	15.1	545	3.41	7.0	1.4	4.6	1.8	116	.1	.3	.1	96	.84	.067	15	59.9	1.25	132	.124	1	2.41	.055	.08	<.1	.05	11.0	.1	<.05	6
PVT0227-S1	.5	37.9	4.4	63	.1	52.8	21.9	936	3.53	6.9	.4	1.8	1.9	138	.1	.5	.1	82	1.58	.094	15	45.7	1.59	142	.093	2	1.94	.096	.10	.1	.04	8.4	.1	<.05	6
PVT0227-S2	.5	32.2	4.2	56	<.1	36.7	14.0	275	3.03	3.8	1.6	1.4	1.8	139	.1	.4	.1	102	1.08	.106	14	66.3	1.18	116	.141	<1	1.70	.102	.06	<.1	.04	10.8	<.1	<.05	5
PVT0227-S3	.6	31.1	4.0	47	.1	50.8	15.1	1305	3.33	6.3	1.4	<.5	1.6	131	<.1	.4	.1	87	.95	.088	14	56.0	1.20	138	.088	<1	2.23	.088	.05	<.1	.04	9.6	.1	<.05	5
PVT0228-S1	1.0	43.2	4.7	58	.1	42.7	18.9	900	3.32	14.1	.5	8.3	1.8	132	.1	.7	.1	81	1.76	.097	14	44.1	1.48	122	.101	2	1.96	.114	.07	.1	.11	8.5	.1	<.05	6
PVT0228-S2	.9	34.1	4.8	56	.1	39.4	16.8	758	3.05	13.5	.4	8.3	1.6	138	.1	.6	.1	77	2.04	.096	14	37.7	1.33	130	.101	2	1.67	.121	.06	.1	.06	9.0	.1	<.05	6
PVT0229-S1	1.0	39.3	4.2	59	.2	47.6	19.6	891	3.50	10.7	.5	6.6	1.8	140	<.1	.6	<.1	85	1.89	.100	14	49.4	1.77	87	.135	1	2.05	.114	.09	.1	.08	8.6	<.1	<.05	7
PVT0229-S2	.5	39.0	4.1	55	.1	43.0	16.7	573	3.38	12.9	.6	7.9	1.7	106	.1	.7	.1	86	1.11	.102	15	44.9	1.37	119	.086	1	1.95	.087	.07	.1	.06	8.3	.1	<.05	5
PVT0230-S1	.9	37.1	5.1	59	.1	46.8	19.2	1020	3.38	17.4	.6	14.1	1.9	128	.1	.7	.1	86	1.63	.099	15	51.2	1.50	153	.087	2	1.80	.119	.08	.1	.05	8.9	.1	<.05	5
STANDARD DS4	6.4	125.7	31.5	157	.3	33.6	11.8	805	3.07	21.8	5.7	27.4	3.6	27	5.4	5.0	5.1	73	.52	.085	15	164.1	.55	139	.090	2	1.64	.032	.14	3.8	.28	3.5	1.1	<.05	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
G-1	1.4	2.8	2.6	41	<.1	3.9	3.9	526	1.98	<.5	1.7	.9	4.1	98	<.1	<.1	.1	39	.66	.081	9	13.3	.48	225	.121	3	.99	.150	.57	2.1	<.01	3.5	.3	<.05	5
PVT0230-S2	.6	32.2	4.5	51	.1	45.2	15.3	878	3.21	15.5	.4	38.0	1.5	144	.1	.7	.1	85	.98	.104	14	48.3	1.23	143	.113	4	1.81	.125	.07	.1	.07	7.2	.1	<.05	5
PVT0231-S1	.5	36.2	3.9	45	.1	39.7	13.7	429	3.50	8.5	.5	8.6	1.6	155	.1	.6	.1	80	.98	.082	15	52.0	1.22	132	.111	3	2.14	.083	.07	.1	.08	9.4	.1	<.05	6
PVT0232-S1	.7	37.1	4.3	60	.1	43.4	17.1	847	3.37	12.1	.5	7.8	1.6	136	.1	.6	.1	88	1.20	.077	14	53.4	1.22	125	.103	4	1.94	.092	.07	<.1	.07	9.1	.1	<.05	6
PVT0232-S2	.8	37.5	4.5	62	.1	47.7	20.0	1222	3.70	14.5	.4	6.3	1.7	144	.1	.7	.1	93	1.20	.099	15	48.9	1.51	127	.113	4	2.12	.101	.08	.1	.08	9.1	.1	<.05	6
PVT0232-S3	1.2	38.1	5.0	63	.1	47.7	24.8	1311	3.62	13.5	.4	21.2	1.8	142	.2	.7	.1	84	2.29	.096	14	46.5	1.41	161	.095	4	2.01	.092	.09	<.1	.08	8.9	.1	<.05	6
PVT0232-S4	1.4	39.2	10.5	84	.1	42.4	20.0	1010	3.48	15.0	.4	8.2	1.6	142	.2	.8	.1	90	2.13	.087	14	43.3	1.40	246	.104	4	1.90	.077	.08	<.1	.17	8.2	.1	<.05	6
PVT0234-S1	1.0	26.9	4.1	60	.1	33.8	15.4	839	3.02	8.9	.4	2.3	1.6	140	.1	.5	.1	78	1.66	.078	13	43.5	1.07	284	.085	8	1.85	.078	.11	<.1	.06	7.7	.1	<.05	6
PVT0234-S2	.8	40.1	4.5	61	.1	42.9	16.9	663	3.41	10.0	.6	7.8	1.7	146	<.1	.6	.1	92	1.64	.088	15	46.7	1.54	152	.112	4	2.38	.111	.09	<.1	.08	10.3	.1	<.05	7
PVT0235-S1	.7	35.6	5.7	58	.1	50.0	21.1	945	3.66	10.2	.5	2.4	2.0	158	.2	.6	.1	105	2.66	.098	15	50.6	1.63	201	.109	6	2.46	.134	.08	<.1	.07	10.5	.1	<.05	7
PVT0235-S2	1.0	40.2	4.8	64	.1	49.9	20.9	820	3.72	12.3	.5	4.7	1.7	173	.1	.7	.1	103	4.80	.100	14	51.7	1.58	181	.125	4	2.26	.107	.09	.1	.10	11.3	.2	<.05	7
PVT0235-S3	2.1	56.2	5.6	81	<.1	52.9	21.7	856	5.29	27.1	.9	2.9	2.3	132	.1	.5	.1	120	.76	.088	13	70.4	.95	193	.071	5	2.08	.041	.09	<.1	.07	14.4	.2	<.05	6
PVT0235-S4	.7	30.0	3.8	50	.1	45.9	20.1	1667	3.57	17.1	.9	1.5	2.4	59	.1	.2	<.1	97	.65	.098	13	52.3	.41	101	.011	5	1.28	.039	.05	<.1	.03	13.4	<.1	<.05	3
RE PVT0235-S4	.8	30.8	3.7	56	.1	46.5	20.4	1694	3.44	18.4	.9	.7	2.5	58	.1	.1	<.1	91	.66	.099	13	55.4	.41	102	.012	5	1.32	.042	.05	<.1	.02	13.8	.1	<.05	3
PVT0235-S5	3.1	37.8	8.5	111	<.1	71.5	32.1	1931	7.32	49.5	.6	1.6	1.9	76	.2	.4	.1	200	.63	.080	12	86.1	.53	257	.017	7	1.30	.032	.05	<.1	.04	20.1	.1	<.05	4
PVT0235-S6	.6	32.3	3.3	52	.1	54.2	26.4	1004	3.10	8.8	.5	.8	2.0	91	.1	.3	.1	69	.81	.078	12	41.4	.69	121	.047	5	1.44	.050	.07	<.1	.05	10.5	.1	<.05	4
PVT0235-S7	.6	30.7	5.8	56	.1	29.7	17.0	527	2.63	10.6	.7	3.3	2.8	127	.1	.5	.1	72	1.41	.057	12	32.0	1.01	274	.030	15	1.86	.072	.14	<.1	.06	8.1	.1	<.05	5
PVT0235-S8	.9	33.5	5.8	74	.1	32.6	16.2	873	3.15	10.9	.4	7.9	1.7	174	.1	.5	.1	82	2.30	.077	13	34.6	1.24	228	.072	7	1.83	.098	.12	<.1	.09	8.9	.1	<.05	6
PVT0235-S9	.9	39.0	4.5	61	.1	41.3	19.1	755	3.35	10.4	.5	2.9	1.7	150	.1	.6	.1	89	1.97	.097	15	44.0	1.58	150	.111	6	2.16	.132	.09	<.1	.09	9.0	.1	<.05	7
STANDARD DS4	6.5	124.6	31.0	153	.3	34.1	11.6	804	3.05	22.6	5.9	27.0	3.8	30	5.3	4.8	5.1	71	.54	.085	17	165.1	.58	140	.097	9	1.69	.033	.16	3.9	.27	3.7	1.1	<.05	6

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 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Almaden Minerals Ltd. PROJECT PV02-6 File # A204712

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
G-1	1.6	3.4	2.2	46	<.1	5.3	4.3	582	2.14	<.5	2.1	.5	4.9	94	<.1	<.1	.1	45	.65	.081	9	16.5	.60	240	.152	1	1.10	.099	.52	2.2	<.01	2.7	.4	<.05	5
MC-151	.3	25.6	3.2	56	.1	51.1	16.1	591	3.08	2.3	.6	1.3	1.3	112	<.1	.1	.1	97	.89	.073	10	56.4	1.41	99	.149	1	1.99	.060	.06	.1	.05	5.8	<.1	<.05	5
PV02-1	.2	27.5	2.2	43	<.1	31.6	14.1	711	2.88	2.7	.4	.9	.7	105	.1	.2	<.1	97	1.15	.061	7	59.5	1.08	148	.113	6	1.43	.053	.08	<.1	.03	4.0	<.1	<.05	4
PV02-2	.7	26.2	6.2	97	.1	40.7	16.6	1075	3.43	3.3	.9	<.5	1.1	94	.3	.1	.1	87	.90	.092	17	53.8	1.11	241	.093	1	3.15	.029	.07	.1	.07	8.3	.1	<.05	8
PV02-3	.5	19.1	5.1	65	.1	27.9	13.4	838	2.76	3.1	.7	1.4	1.0	70	.1	.1	.1	68	.96	.051	15	36.5	.92	121	.045	2	1.84	.031	.05	.1	.06	6.4	.1	<.05	6
PV02-4	.5	19.5	4.2	69	.1	25.9	14.0	766	2.91	3.8	.6	.5	1.0	125	.1	.1	.1	73	.92	.066	13	36.1	1.03	192	.087	3	2.38	.048	.06	<.1	.04	7.0	.1	<.05	6
PV02-5	.4	21.5	4.1	65	.1	23.9	13.4	716	3.02	3.6	.6	.7	1.0	172	.2	.1	.1	85	1.04	.053	11	47.6	1.14	247	.109	2	2.74	.053	.07	<.1	.06	8.3	.1	<.05	7
PV02-6	.4	18.2	4.6	100	.1	38.8	15.2	524	2.98	2.8	1.1	1.4	1.1	75	.2	.1	<.1	79	.82	.090	17	57.7	1.08	170	.123	1	2.58	.037	.05	<.1	.03	7.5	.1	<.05	7
PV02-7	.5	20.5	5.1	70	.1	27.8	13.0	1299	3.00	2.2	.6	1.2	1.4	65	.1	<.1	.1	75	.65	.068	8	49.6	1.00	247	.147	1	2.60	.026	.06	<.1	.05	6.9	.1	<.05	7
STANDARD DS4	6.4	124.6	29.1	158	.3	33.2	11.8	818	3.15	21.2	6.4	29.5	3.8	26	5.5	4.8	4.8	71	.54	.073	15	165.7	.57	133	.093	<1	1.69	.029	.14	3.9	.27	3.7	1.2	.08	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.

DATE RECEIVED: OCT 24 2002 **DATE REPORT MAILED:** Nov 6/02 **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 PV02-7 File # A204783

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: E.A. 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
SI	.1	1.2	.7	1	<.1	.1	.1	4	.03	<.5	<.1	<.5	<.1	3	<.1	.2	<.1	1	.09	<.001	<1	1.8	<.01	3	<.001	<1	.01	.389	.01	.2	<.01	<.1	<.1	<.05	<1
PV02-R71	5.0	45.8	3.1	19	.1	18.9	11.4	736	1.76	26.7	.3	3.0	.7	47	.1	.1	.1	39	.34	.050	6	75.8	.10	104	.004	4	.57	.101	.04	2.1	<.01	3.7	.1	.09	1
PV02-R72	6.0	27.5	2.8	19	<.1	28.6	10.0	2397	1.74	38.3	.2	1.5	.6	222	.1	.1	.1	27	1.97	.020	4	34.8	.89	143	.005	3	.41	.079	.08	4.2	.01	3.3	.2	.29	1
PV02-R73	2.1	34.3	2.8	33	<.1	32.0	13.1	433	2.13	8.2	.4	1.8	1.2	173	.1	.1	.1	58	.94	.051	9	92.4	.19	230	.014	1	1.57	.226	.07	.5	<.01	7.6	<.1	<.05	4
PV02-R74	1.7	32.6	2.0	35	<.1	34.7	15.1	797	2.50	6.8	.3	<.5	1.0	131	.1	.1	.3	53	.77	.046	7	59.4	.18	298	.019	2	1.05	.151	.07	.4	<.01	8.5	.1	<.05	2
PV02-R75	4.7	14.5	1.3	15	<.1	17.5	8.5	1345	1.28	7.9	.3	.9	.5	103	.1	.1	<.1	24	.73	.032	4	38.1	.28	217	.006	2	.53	.079	.06	4.7	<.01	3.2	.1	.06	1
PV02-R76	6.1	4.5	2.0	14	2.2	21.8	7.4	251	1.47	35.4	.1	1224.8	.3	16	.1	.5	<.1	28	.08	.038	3	74.6	.02	30	.004	1	.20	<.001	.05	1.4	.12	2.1	<.1	<.05	<1
PV02-R77	51.8	27.1	1.9	19	1.7	19.1	7.0	194	1.42	108.5	.5	511.4	.8	18	<.1	7.4	<.1	26	.09	.028	4	36.5	.03	31	.002	1	.30	<.001	.04	5.0	.68	2.1	.2	<.05	1
STANDARD DS4	6.9	121.6	30.5	158	.2	33.9	11.9	799	3.08	22.8	5.8	26.0	3.7	29	5.4	4.7	4.9	72	.55	.087	17	169.3	.57	138	.089	2	1.78	.031	.15	4.3	.29	3.5	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: ROCK R150 60C

DATE RECEIVED: OCT 29 2002 **DATE REPORT MAILED:** Nov 8/02 **SIGNED BY.** C. Leong .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 PV02-7 File # A204784

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: E.A. 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
G-1	<.1	3.7	3.9	45	<.1	7.2	4.3	604	2.07	.6	2.6	.5	5.8	122	<.1	<.1	.1	46	.76	.108	12	22.1	.55	237	.148	<1	1.28	.216	.56	3.0	<.01	4.0	.3	<.05	6
MC90-1	.1	33.8	4.6	76	.1	46.5	17.1	854	3.49	4.5	.7	.9	1.4	114	.2	.3	.1	110	1.02	.065	14	51.8	.92	312	.147	7	1.86	.077	.09	<.1	.02	8.1	.1	<.05	5
PV02-8	.1	24.1	5.1	57	.1	36.9	12.9	576	2.76	5.5	.7	.8	1.3	109	.1	.4	.1	86	1.06	.077	15	49.4	.93	134	.077	5	1.66	.055	.07	<.1	.05	6.5	.1	<.05	5
PV02-9	.1	26.1	3.8	54	.1	31.2	13.7	696	2.89	5.9	.5	7.3	1.3	93	.1	.3	.1	98	.80	.071	12	48.4	.77	162	.065	6	1.56	.041	.07	<.1	.03	6.7	.1	<.05	4
STANDARD DS4	6.3	121.8	31.1	155	.3	34.7	11.7	768	3.06	22.9	6.4	24.8	3.8	29	5.4	5.4	5.3	78	.52	.093	16	158.4	.58	141	.097	2	1.76	.032	.15	4.2	.28	3.9	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.

DATE RECEIVED: OCT 29 2002 **DATE REPORT MAILED:** Nov 5/02 **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 PV02-7 File # A204785

1103 - 750 W. Pender St., Vancouver BC V6C 2T8 Submitted by: E.A. 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
G-1	1.6	2.6	2.6	43	<.1	4.9	4.3	553	2.00	.6	2.1	1.8	4.7	102	<.1	.1	.1	44	.63	.088	10	16.9	.54	246	.146	1	1.12	.133	.52	2.4	<.01	2.7	.3	<.05	6
4800E 4000N	.4	20.9	4.9	64	.1	30.9	10.3	488	2.36	2.9	.4	1.7	1.0	68	.1	.2	.1	67	.54	.058	8	39.7	.47	130	.111	2	2.17	.028	.09	<.1	.04	3.9	<.1	<.05	6
4800E 3950N	.4	13.9	3.4	61	<.1	40.9	9.5	309	2.28	2.1	.3	1.5	.7	62	.1	.1	.1	57	.41	.064	4	77.6	.80	153	.083	1	2.95	.026	.08	<.1	.01	3.8	<.1	<.05	7
PV02-S32	.6	40.5	2.3	49	<.1	43.1	19.5	588	4.43	11.4	.7	1.7	1.7	85	<.1	.2	.1	100	.76	.128	14	60.3	.46	145	.008	1	1.78	.078	.06	<.1	.02	16.4	.1	<.05	4
STANDARD DS4	6.9	121.6	30.5	158	.2	33.9	11.9	799	3.08	22.8	5.8	26.0	3.7	29	5.4	4.7	4.9	72	.55	.087	17	169.3	.57	138	.089	2	1.78	.031	.15	4.3	.29	3.5	1.2	<.05	6

GROUP 1DA - 10.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 200 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: OCT 29 2002 **DATE REPORT MAILED:** Nov 8/02 **SIGNED BY** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date ___ FA ___

ALMADEN Minerals Ltd.

Suite 1103 - 750 West Pender St.Vancouver, B.C. Canada V6C 2T8
Phone 604 689 7644 Fax 604 689 7645
email: info@almadenminerals.com,www.almadenminerals.com

FAXED Nov. 15/02 13:15

FAX

Please deliver the following page (s) to:

NAME:	Clarence Leong
COMPANY:	ACME Analytical Labs Ltd.
FAX NUMBER:	604-253-1716
SUBJECT:	PV Project/Sample No. corrections
FROM:	Ed Balon
DATE:	November 15, 2002
PAGES (including cover sheet)	1

TEXT:
Dear Clarence:

We have recently completed a thorough review of sample data from our 2002 PV Property programs, and have noticed a few discrepancies between sample nos. as listed in your Lab Reports versus our Station Numbers in the field.

Accordingly, would you please make the following changes/corrections both to your digital records and to the labels of respective sample pulps currently held in storage.

1. Our Shipment PVØ2-2; Your File Ref. A202843, p.4: change 2800E/4125N to 4110N (We made this change in the field after submission of the sample for this location originally labelled as 4125N.

2. Our Shipment PVØ2-4; Your File Ref. A203886, p. 1: 2800E/3900N should be 3990N.

3. Our Shipment PVØ2-5; Your File Ref. A204394, p. 3: 2950E/5050N should be 5060N.

Thank you for your attention to this matter.

Yours truly,

Ed Balon, P. Geo.

FaxAMI12.wpd

Almaden Minerals Ltd.

GEOLOGICAL SURVEY BRANCH

27048

N

1.3 ° UTM NORTH

5548900N

PVT02-30

PVT02-29

PVT02-28

PVT02-33

Note- Test pit PVT02-31 dug at west end of Trench PVT02-33

PVT02-32

PVT02-12

PVT02-11

PVT02-6

PVT02-7

PVT02-35

PVT02-34

PVT02-8

PVT02-9

PVT02-10

Landing

Trench PVT02-8 Manganese coated quartz clasts in fault breccia. Sample R3

Trench PVT02-8 Quartz stringers. Sample R7

TRENCH ROCK SAMPLE RESULTS

Sample No.	Length(m)	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Au ppb	Hg ppm
Trench PVT02-01											
PVT0201-R1	Grab	346	0.4	18.0	27.9	98	0.7	3.4	0.2	9.5	0.04
Trench PVT02-02											
PVT0202-R1	Grab	820	2.9	19.4	15.6	89	0.1	15.8	0.2	<0.5	<0.01
Trench PVT02-03											
PVT0203-R1	2.50	4174	4.5	31.0	4.8	72	<0.1	32.3	0.2	4.1	0.03
PVT0203-R2	3.50	2876	5.2	44.0	5.4	94	<0.1	33.8	0.2	1.4	0.11
Trench PVT02-04											
PVT0204-R1	1.00	1408	3	95.5	17.2	97	0.5	66.4	0.3	3.3	<0.01
PVT0204-R2	3.50	751	6.4	32.6	3.7	92	0.1	36.5	0.3	1.5	<0.01
PVT0204-R3	1.00	736	10.9	15.0	5.9	96	<0.1	43.5	0.3	1.5	<0.01
PVT0204-R4	1.40	1387	1.4	83.6	8.5	87	<0.1	58.3	0.1	1.0	<0.01
PVT0204-R5	3.40	1917	4.9	45.6	5.6	73	<0.1	46.5	0.3	<0.5	<0.01
PVT0204-R6	1.50	694	10.7	28.1	5.1	43	<0.1	75.4	0.3	0.6	0.01
Trench PVT02-05											
PVT0205-R1	1.00	837	5.4	21.0	45.6	111	0.4	32.6	1.2	0.5	0.1
PVT0205-R2	1.80	1086	1.3	19.6	26.1	98	0.5	34.4	0.7	0.1	0.04
PVT0205-R3	2.00	782	1	48.7	19.7	80	0.2	9.4	0.3	0.9	0.06
PVT0205-R4	0.80	782	1.2	39.0	31.6	99	0.2	7.9	0.6	0.2	0.04
PVT0205-R5	0.80	831	1.5	37.2	4.6	54	<0.1	12.4	0.1	1.6	0.06
PVT0205-R6	2.00	880	0.7	41.7	5.1	63	<0.1	30.6	0.2	0.6	0.06
PVT0205-R7	2.50	648	0.8	47.2	4.2	98	<0.1	34.7	0.1	0.1	0.07

TRENCH SOIL SAMPLE RESULTS

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Au ppb	Hg ppm
Trench PVT02-11										
PVT0211-S1	911	0.7	37.3	4.3	94	0.1	20.7	0.9	29.1	0.07
PVT0211-S2	1238	0.8	36.5	4.8	82	0.1	22.3	0.9	28.5	0.08
PVT0211-S3	1224	0.8	48.7	4.7	82	0.1	24.9	0.9	29.1	0.08
PVT0211-S4	798	0.8	38.9	4.1	87	0.2	14.8	0.7	39.0	0.08
PVT0211-S5	861	0.9	33.5	4.1	89	0.1	14.5	0.6	19.5	0.08
PVT0211-S6	598	0.8	32.3	4.1	85	0.1	12.1	0.6	19.0	0.03
PVT0211-S7	955	0.8	42.5	4.5	91	0.1	21.9	0.8	18.7	0.07
PVT0211-S8	842	0.9	41.3	4.6	89	0.2	28.5	0.8	28.9	0.09
PVT0211-S9	918	0.7	43.2	4.7	87	0.1	24.0	0.9	37.4	0.08
Trench PVT02-12										
PVT0212-S1	954	0.8	34.7	4.1	88	0.1	11.8	0.7	<0.5	0.08
PVT0212-S10	879	1.4	41.9	5.5	72	0.1	19.2	0.7	11.3	0.08
PVT0212-S2	830	0.8	36.1	4.3	81	0.1	14.0	0.6	17.0	0.1
PVT0212-S3	956	0.8	34.8	4.2	82	0.1	13.2	0.7	19.7	0.12
PVT0212-S4	913	0.9	37.0	4.6	83	0.1	12.1	0.7	19.1	0.09
PVT0212-S5	828	2.7	31.8	4.6	85	0.1	41.4	0.8	7.3	0.14
PVT0212-S6	899	0.8	31.2	4.0	81	0.1	11.8	0.7	8.1	0.07
PVT0212-S7	809	0.8	36.2	4.1	84	0.1	13.3	0.7	10.8	0.09
PVT0212-S8	1039	1.1	37.8	4.6	84	0.1	19.7	0.8	7.4	0.1
PVT0212-S9	846	1.2	40.5	5.2	89	0.1	21.6	0.7	144.0	0.08

Note: Test pit PVT02-31 dug at west end of Trench PVT02-33

TRENCH SOIL SAMPLE RESULTS

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Au ppb	Hg ppm
Trench PVT02-28										
PVT0228-S1	933	1	43.2	4.7	58	0.1	14.1	0.7	8.3	0.11
PVT0228-S2	758	0.8	34.1	4.8	56	0.1	13.5	0.6	6.3	0.08
Trench PVT02-29										
PVT0229-S1	981	1	39.3	4.2	59	0.2	15.7	0.6	9.6	0.08
PVT0229-S2	976	0.9	38.2	4.4	58	0.1	12.4	0.7	7.9	0.08
Trench PVT02-30										
PVT0230-S1	1220	0.8	37.1	5.1	59	0.1	17.4	0.7	14.1	0.09
PVT0230-S2	978	0.8	32.2	4.6	61	0.1	16.9	0.7	39.6	0.07
Trench PVT02-31										
PVT0231-S1	439	0.5	58.2	3.9	45	0.1	9.5	0.5	9.9	0.09
Trench PVT02-32										
PVT0232-S1	647	0.7	37.1	4.3	60	0.1	12.1	0.5	7.9	0.07
PVT0232-S2	1222	0.9	37.5	4.5	62	0.1	14.3	0.7	6.3	0.09
PVT0232-S3	1311	1.2	38.1	5.3	63	0.1	13.5	0.7	21.3	0.08
PVT0232-S4	1010	1.4	59.2	10.5	84	0.1	16.3	0.6	9.2	0.17
Trench PVT02-34										
PVT0234-S1	839	1	28.9	4.1	60	0.1	8.9	0.5	2.3	0.06
PVT0234-S2	663	0.9	41.1	4.8	61	0.1	10.5	0.6	7.9	0.08
Trench PVT02-35										
PVT0235-S1	648	0.7	35.5	5.7	56	0.1	10.2	0.6	2.4	0.07
PVT0235-S2	820	1	40.2	4.8	64	0.1	12.5	0.7	4.7	0.1
PVT0235-S3	639	2.1	56.2	5.6	81	<0.1	27.1	0.5	2.9	0.07
PVT0235-S4	1667	3.7	30.0	3.9	50	0.1	17.1	0.2	1.5	0.03
PVT0235-S5	1931	5.1	37.9	4.5	111	<0.1	49.5	0.4	1.6	0.04
PVT0235-S6	1004	3.6	32.3	3.3	52	0.1	8.9	0.3	0.9	0.03
PVT0235-S7	527	3.6	20.7	2.8	56	0.1	10.9	0.5	3.3	0.06
PVT0235-S8	873	2.9	33.5	3.8	74	0.1	10.3	0.5	7.9	0.03
PVT0235-S9	753	3.9	39.0	4.5	81	0.1	10.4	0.6	2.9	0.09

TRENCH ROCK SAMPLE RESULTS

Sample No.	Length(m)	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Au ppb	Hg ppm
Trench PVT02-7											
PVT027-R1	Grab	873	3.3	81.8	2.1	99	<0.1	5.8	0.1	0.5	0.01
PVT027-R2	Grab	617	1.8	38.8	7.2	92	0.1	7.2	0.1	<0.5	0.01
Trench PVT02-8											
PVT28-R1	Grab	5087	3.3	18.9	1.4	23	<0.1	10.2	0.1	0.5	<0.01
PVT28-R2	3.20	1793	0.8	45.8	2.8	58	<0.1	14.2	0.1	0.7	<0.01
PVT28-R3	1.50	986	1.2	47.3	2.9	83	<0.1	12.5	<0.1	3.3	<0.01
PVT28-R4	1.20	2478	2	48.9	3.7	99	<0.1	18.1	0.1	1.8	0.01
PVT28-R5	1.50	861	0.6	44.8	3.4	93	<0.1	17.5	<0.1	1.8	<0.01
PVT28-R6	1.00	818	1.1	40.3	3.1	45	<0.1	18.7	0.1	1.4	<0.01
PVT28-R7	2.00	1543	0.7	42.3	171.1	98	0.1	20.9	0.1	4.1	<0.01
PVT28-R8	2.00	999	1.3	44.9	3.5	96	<0.1	23.2	<0.1	1.9	<0.01
PVT28-R9	2.00	1083	0.8	41.8	2.7	93	<0.1	22.4	0.1	1.7	<0.01
PVT28-R10	Grab	2432	3.1	30.8	3.6	41	<0.1	53.3	0.1	1.4	0.01
PVT28-R11	Grab	6638	3	8.1	0.6	21	<0.1	6.1	0.1	1.4	<0.01
PVT28-R12	Grab	788	2.2	15.6	8.2	60	0.1	31.8	0.2	1.7	0.01
Trench PVT02-9											
PVT29-R1	Grab	1295	2	31.7	2.4	40	<0.1	13.3	0.1	0.8	<0.01
PVT29-R2	Grab	4839	4.3	28.2	2.4	38	<0.1	15.5	0.1	0.6	<0.01
PVT29-R3	1.00	982	1.4	48.3	3.2	64	0.1	12.5	<0.1	0.6	<0.01
PVT29-R4	1.00	898	1.2	41.1	3.1	57	<0.1	21.7	<0.1	<0.5	<0.01
PVT29-R5	2.00	1373	0.8	37.3	3.6	47	<0.1	22.4	0.1	0.6	<0.01
PVT29-R6	2.00	1358	1.1	41.9	4.1	50	<0.1	21.0	0.1	<0.5	<0.01
PVT29-R7	2.00	2470	1.4	44.8	4.5	56	<0.1	34.9	<0.1	<0.5	<0.01
PVT29-R8	2.00	1692	0.8	48.7	4.0	64	<0.1	19.2	<0.1	<0.5	<0.01
PVT29-R9	2.00	1432	1	49.9	4.2	66	<0.1	27.6	0.1	0.6	<0.01
PVT29-R10	2.00	1808	1.8	49.9	4.1	64	<0.1	69.6	0.1	<0.5	<0.01
PVT29-R11	2.00	1993	9	49.7	4.5	63	<0.1	67.1	0.1	<0.5	0.01
PVT29-R12	2.00	884	9.6	14.7	8.5	79	0.1	31.6	0.1	<0.5	0.01
PVT29-R13	Grab	992	5	18.6	1.9	23	<0.1	13.8	0.1	<0.5	<0.01

TRENCH SOIL SAMPLE RESULTS

Sample No.	Mn ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Sb ppm	Au ppb	Hg ppm
Test Pit PVT02-1										
PVT021-S1	617	0.7	38.4	4.3	57	0.1	11.8	0.5	5.8	0.08
Test Pit PVT02-2										
PVT022-S1	912	1.7	38.4	4.2	82	0.2	21.7	1.0	32.1	0.18
Test Pit PVT02-3										
PVT023-S1	782	1.1	65.3	4.2	58	0.1	13.1	0.6	128.1	0.08
Test Pit PVT02-4										
PVT024-S1	1033	1.4	63.9	4.3	67	0.1	14.8	1.0	8.6	0.16
Test Pit PVT02-5										
PVT025-S1	780	1.1	78.7	4.1	57	0.1	15.1	0.8	12.6	0.09
Test Pit PVT02-6										
PVT026-S1	931	0.8	18.2	4.7	68	0.1	12.7	0.7	11.6	0.1
Trench PVT02-7										
PVT027-S1	1089	0.7	35.7	4.8	87	0.1	13.5	0.6	9.4	0.08
PVT027-S2	934	0.9	39.2	4.3	68	<0.1	9.0	0.5	3.2	0.08
PVT027-S3	865	1.1	38.8	4.3	60	0.1	12.2	0.8	13.9	0.08
PVT027-S4	854	0.7	35.6	5.7	62	0.1	12.4	0.8	3.6	0.07
PVT027-S5	884	0.8	34.7	5.3	57	0.1	8.9	0.4	5.7	0.07
PVT027-S6	786	0.8	36.8	5.0	63	<0.1	9.2	0.5	3.2	0.09
PVT027-S7	876	0.7	48.4	8.8	58	0.1	8.2	0.8	19.6	0.09
PVT027-S8	856	0.7	31.0	3.9	60	0.1	9.7	0.6	10.0	0.08
Trench PVT02-10										
PVT0210-S1	1369	1.2	79.8	3.4	87	<0.1	21.3	0.3	11.7	0.02

GRID SOIL SAMPLE RESULTS

Grid Location

- > 61 ppb Au
- 31 to 60 ppb Au
- 16 to 30 ppb Au
- 6 to 15 ppb Au
- 0 to 5 ppb Au

Note: Grid Locations with "As" suffix indicate auger sample

RECONNAISSANCE ROCK SAMPLE RESULTS

Au ppb
Sample Number

TRENCH SAMPLES

- Quartz vein with continuous chip sample location
- Grab sample location
- Trench basal soil sample location with soil depth

LITHOLOGIES

OB - Overburden

CRETACEOUS - Spences Bridge Group

FP - Feldspar porphyry. Maroon to brown, very fine grained matrix with feldspar phenocrysts 0.5 to 2mm 3-10%.
VB - Volcanic breccia. Tan, fine to medium grained clasts 5-20cm in a very fine grained matrix.
Minor iron carbonate alteration and rare calcite lenses.
LT - Lapilli tuff. Massive, very light grey with tan weathering rind, clasts 0.25 - 4.0mm.
CT - Coarse ash tuff. Very light grey with tan weathering rind, clasts 0.25 - 4.0mm.
FT - Fine ash tuff. Medium and light grey laminae 1mm to 15mm.
V - Massive fine grained undifferentiated volcanic rock maroon to brown to grey.
Blocky fracturing, locally with minor feldspar phenocrysts.

ALTERATION CODE PREFIXES

Alhl Argillic
Cb Carbonate
i.e. + 1 To 5, Weak to Intense !

0 50 meters

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CENTRAL SPUR AREA TRENCH AND SOIL SAMPLE LOCATIONS
SCALE 1 : 500

Drawn by WJ
DEC. 2002

Plate 2

72048

1

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Test Pit PVT02-16 showing quality of glacial till.

5550500 mN
5550000 mN
5549500 mN
5549000 mN
5548500 mN
5548000 mN
5547500 mN

626500 mE
627000 mE
627500 mE
628000 mE
628500 mE
629000 mE
629500 mE
630000 mE
630500 mE
631000 mE
631500 mE

N
13° UTM NORTH

PVT02-24
PVT02-26
PVT02-25
PVT02-27
PVT02-13
PVT02-14
PVT02-17
PVT02-15
PVT02-16
PVT02-19
PVT02-18
PVT02-1
PVT02-2
PVT02-3
PVT02-4
PVT02-5
PVT02-20
PVT02-21
PVT02-22
PVT02-23
PVT02-12
PVT02-11
PVT02-7
PVT02-8
PVT02-9
PVT02-10

Float Sample MC-R33 43,340 ppb Au
Reassay 38.14 gm/t Au, 130.7 gm/t Ag

RGS Sample 82813044 - 193 ppb Au

Outline of detailed trench map - Plate 2

Bonanza Creek
West Spur road
Central Spur road
NE spur road
East Spur road
Prospect Creek
Hooshum road
Teepee Creek
Teepee road

KSBS
KSB
TJgd

PV02-R65 Site
Hand trenched, in situ
Silica-Fe replacement mineralization carrying anomalous Au-Bi-Hg values.

Symbols

- Au-in-soil 10 ppb contour
- Au-in-soil 20 ppb contour
- As-in-soil 5 ppm contour
- Soil Sample Location
- 1200 × Rock Sample Location, Au analyses >500 ppb posted
- PVT02-n = Test pits and trenches
- Geological Contact

Legend

Cretaceous

KSBS Spences Bridge Group - Spius Creek Formation
Amygdaloidal Basalt - dark red brown with local intercalated Volcaniclastics, Conglomerate and Sandstone derived in large part from chert rich terranes, minor Shale and Argillite.

KSB Spences Bridge Group - Undifferentiated
Andesite, Dacite, Rhyolite
Intercalated Pyroclastics
Feldspar Porphyry flows
Conglomerate, Sandstone

Triassic

TJgd Mount Lytton Complex
Granodiorite, Gabbro

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COMPILATION MAP
ROCK AND SOIL SAMPLE LOCATIONS
SCALE 1:5,000

0 100 200 300 400 m

Drawn by WJ, DR
DEC. 2002

Plate 1

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TN

1.3° UTM NORTH

6560500 mN
6560000 mN
5549500 mN
5549000 mN
5548500 mN
5548000 mN
5547500 mN

627500 mE
628000 mE
628500 mE
629000 mE
629500 mE
630000 mE
630500 mE
631000 mE
631500 mE

Bonanza

Float Sample MC-R30 43,340 ppb Au
Reassay 38.14 gm/t Au, 100.7 gm/t Ag

West Spur road

Creek

R68 Sample #2R8044 - 197 ppb Au

Central Spur road

NE spur road

KSBS

KSB

TJgd

Prospect Creek

Hooshum road

East Spur road

Teepee Creek

Teepee road

PV02-R65 Site
Host treated, in situ
Silica-Py replacement mineralization
carrying anomalous As-Sb-Hg values.

Au Soil Sample Results
- 0 - 10 ppb Au
- 10 - 20 ppb Au
- 21 - 40 ppb Au
- 41- 65 ppb Au
- >65 ppb Au

Symbols

- Soil Sample Location
- 1200 x Rock Sample Location, Au analyses >500 ppb posted
- Geological Contact

Legend

Cretaceous

KSBS — Spences Bridge Group - Spius Creek Formation
Amygdaloidal Basalt - dark red brown with local intercalated Volcaniclastics, Conglomerate and Sandstone derived in large part from chert rich terranes, minor Shale and Argillite.

KSB — Spences Bridge Group - Undifferentiated
Andesite, Dacite, Rhyolite
Intercalated Pyroclastics
Feldspar Porphyry flows
Conglomerate, Sandstone

Triassic

TJgd — Mount Lytton Complex
Granodiorite, Gabbro

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GOLD
SOIL GEOCHEMISTRY
SCALE 1:5,000
0 100 200 300 400 m

Drawn by WJ, DR
DEC. 2002
Plate 3

R70148
(3)

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5550500 mN
5550000 mN
5549500 mN
5549000 mN
5548500 mN
5548000 mN
5547500 mN

626500 mE
627000 mE
627500 mE
628000 mE
628500 mE
629000 mE
629500 mE
630000 mE
630500 mE
631000 mE
631500 mE

T N
1.3° UTM NORTH

Bonanza
West Spur road
Creek
Central Spur road
NE spur road
East Spur road
Teepee road
Teepee Creek
Prospect Creek
Hooshum road
KSBS
KSB
TJgd

43340
Float Sample MC-R33 43,340 ppb Au
Assay 38.14 gm/t Au, 150.7 gm/t Ag

PV02-R65 Site
Hand trenched, in situ
Silica-Py replacement mineralization carrying anomalous Au-Sb-Hg values.

As Soil Sample Results
- 0 - 5 ppm As
- 5 - 8 ppm As
- 8 - 12 ppm As
- 12 - 15 ppm As
- >15pm As

Symbols

- Soil Sample Location
- 1200 × Rock Sample Location, Au analyses >500 ppb posted
- Geological Contact
- Road
- Creek

Legend

Cretaceous

KSBS — Spences Bridge Group - Spius Creek Formation
Amygdaloidal Basalt - dark red brown with local intercalated Volcaniclastics, Conglomerate and Sandstone derived in large part from chert rich terranes, minor Shale and Argillite.

KSB — Spences Bridge Group - Undifferentiated
Andesite, Dacite, Rhyolite
Intercalated Pyroclastics
Feldspar Porphyry flows
Conglomerate, Sandstone

Triassic

TJgd — Mount Lytton Complex
Granodiorite, Gabbro

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ARSENIC
SOIL GEOCHEMISTRY
SCALE 1:5,000
0 100 200 300 400 m

Drawn by WJ, DR
DEC. 2002
Plate 4

27048
4