GEOCHEMICAL SOIL SURVEY
ON

Lloyd 2 mineral claim
Tenure number 204955

Map sheets NTS 093A/12A
TRIM 093052

At Latitude 52 34 45
Longitude 121 39 00

Owner operators:
Glengarry Developments Inc.
And Quantum Speed Internet Products Inc.

Egil Livgard B.Sc. P.Eng.
Vancouver B.C.
December 19th 2003

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MAPS

APPENDIX

SUMMARY AND CONCLUSIONS

The Lloyd-Nordik property consists of 15 claims and one fraction with a total of 116 units, registered in the name of Glengarry developments Inc. and Quantum Speed Internet Products Inc. The property is located in the Cariboo Mining Division about 87 km by paved road northeast of the City of Williams Lake and 7 km southwest of the village of Likley in central B.C. It lies in a geological feature called the Quesnel Trough. This feature is a 30 km wide northwest-southeast striking syncline. The syncline consists largely of volcanic rocks from a series of coalescing volcanic centers. These rocks are mostly alkalic basalt, often brecciated and felsic volcanoclastics. The rocks have been intruded by several alkalic diorite – monzonite stocks. These are probably coeval and cogenetic with the alkalic volcanics. The intrusions are anomalous in copper and gold and have given rise to numerous copper-gold showings. Some are copper-gold porphyry deposits located in the intrusions and nearby volcanics others are gold deposits found in the alteration halo of the intrusive stocks.

A small porphyry copper-gold deposit has been located in the intrusive-volcanic rocks on the Lloyd 2 claim. As much as 2.0 sq. kilometers of the intrusive may underlie this claim. It is however, extensively covered by glacial overburden that is from less than 1.0 meter to several 10s of meters thick. It is also covered in part by volcanic rocks.

The most successful exploration tools in the area have been magnetic and geochemical soil surveys and several such surveys have been carried out on the Lloyd 2 claim. A few surveys and prospecting have been carried out on the Nordik claims but no comprehensive exploration has taken place however magnetic anomalies have been located by aerial surveys and prospecting has located intrusives and mineralization. The claims thus appear to warrant exploration.

289 soil samples from a geochemical survey this past summer on the eastern part of Lloyd 2 claim were submitted to Acme Analytical Labs for ICP-MS analysis. The survey found small copper soil anomalies and scattered anomalous single gold values. Prospecting located sub-outcrops in the same area of highly altered rocks that carried copper and gold mineralization. A petrogeaphic study of rocks from these sub-outcrops and core from a diamond drill hole drilled (in 2000) northwest of the survey can be found in appendix 2 and results of an analysis of the altered rocks are in appendix 1as is the soil analysis results.

The following CONCLUSIONS have been reached:

1 Alkalic intrusive stocks and their alteration halos are favorable locations for copper-gold/gold deposition in the area.
2 Three or four separate (?) intrusive stocks are known on the property.
3 Magnetic and geochemical surveys are successful exploration tools in the area.
4 Magnetic and geochemical soil surveys have given results that indicate that other intrusive stocks may be found.
5 Prospecting has located several outcrop or sub-outcrops with anomalous copper/gold values.
6 The property warrants a comprehensive exploration program.

RECOMMENDATIONS

LLOYD 2 CLAIM

Past exploration results, particularly diamond core logs of geology must be examined and correlated. It is important that hydrothermal alteration be studied and an alteration map produced. This may show trends that could indicate important exploration targets. The diamond drilling in 2000 on the central hill penetrated thick lava cover before intersecting strong alteration and copper mineralization in intrusive rocks. This should be followed up at lower elevations nearby which may have less or perhaps no lava cover.

Geochemical survey anomalies, from both old and new surveys, should be followed up by trenching. The area north of the central hill is specially interesting because of a large copper soil anomaly and an intrusive rock outcrop. Any hydrothermal alteration and mineralization located in the trenches should be further examined by diamond drilling.

NORDIK CLAIMS

These claims require basic exploration such as geological mapping, prospecting and magnetic ground and soil surveying. The soil surveying should first be a reconnaissance type then followed by more detail in interesting areas. The aerial magnetic and radiometric survey flown in 1993 spotted several magnetic high responses but less radiometric response due perhaps to much lava cover and partly swampy conditions. The magnetic high peaks (eight) should receive special attention. High magnetic response and coincident anomalous copper in soils should be trenched.

ESTIMATED COSTS OF RECOMMENDATIONS

Core examination and possible partial re-logging
GPS location surveying of all old drill holes
Plotting of a drill location and rock alteration map, trench mapping and sampling.

Geologist and helper	
5 months @ $ 20000/mo all incl.	$100000.00
Magnetic and soil surveys – about 60 km of grid	
Grid and soil survey – Reconnaissance – detail	
1200 samples @ $ 35/sample all incl	$ 42000.00
Magnetic survey	$ 12000.00
Excavator	
Trenching and drill access roads	
4 weeks – 200 hrs @ $ 125/hrs + mob/demob.	$ 27000.00
Diamond drilling	
2500m @ $ 60/m	$ 150000.00
Rock and core sample analysis	$ 10000.00
Miscellaneous rentals, supplies, travel etc.	$ 10000.00
Summary reports and maps	$ 15000.00
Administration	$ 50000.00
	$ 416000.00
Contingency 10%	$ 42000.00
Total estimated cost	$ 458000.00

INTRODUCTION

Prospecting on the south east quarter of the Lloyd 2 mineral claim in the summer of 2003 located intrusive rocks of the Polly Mountain stock. The rocks were highly altered and carried copper-gold mineralization. The owners (Glengarry Developments Inc.) therefore decided to carry out a soil survey over the area.

The writer examined the mineralized out crops and the survey area on September 1st and 2nd 2003 and was asked by the owner to evaluate the work. This report describes the survey, the results, the claims, the geology and recommends further work. It is based on the writers examination and on references as listed.

PROPERTY

The property consists of 20 claims with 115 units and one fraction in a contiguous group.

Claim name	Tenure number	Units	New Expiry date
Lloyd 2	204955	20	October 1st 2004
Lloyd 4 Fr.	206782	1	"
Lloyd 3	206783	1	"
Nordik 1	396860	20	"
Nordik 2	398668	20	"
Nordik 4	396861	20	"
Nordik 5	398669	20	"
A1	391241	1	"
A2	391261	1	"
A3	391262	1	"
A4	391263	1	"
A5	391264	1	"
A6	391265	1	"
Nordik A6	403881	1	"
Nordik B6	403882	1	"
Nordik C6	403883	1	"
Nordik D6	404414	1	"
Nordik A3	404415	1	"

Nordik B3	404416	1	"
Nordik C3	404417	1	"
Nordik D3	404418	1	"
Claims	20	Units 115	October 1st 2004
Fraction	1	1	"

The claims are registered in the name of GLENGARRY DEVELOPMENTS INC. AND QUANTUM SPEED INTERNET PRODUCTS INC.

It should be noted that the last 8 claims listed above are not plotted individually on the claim map but appear in the block named NORDIK. The writer has obtained the claim information from the companies and can make no guaranties as to its accuracy.

LOCATION AND ACCESS

The claims are in the Cariboo Mining Division B.C. about 57 km due northeast of the city of Williams Lake and 7 km southwest of the village of Likely. They are located on Trim map sheets 093A052, 093A053 and 093A062. The coordinates of the Lloyd2 claim are 52 deg., 35 min., 45 sec. North and 121 deg., 39 min. west.

The claims are easily accessible by 85 km paved road from Williams Lake, 9 km by the Mount Polley Mine road and a one km logging road to the western claims. The eastern (Nordik) claims can be reached via the Likley – Horsefly road just west of Quesnel Lake, by an old road that has recently been cleared east of Polley Lake and by various logging roads.

CLIMATE AND PHYSIOGRAPH

The area is a moist vegetative zone dominated by dense growth of cedar, spruce, pine, fir, birch and poplar and bush access can be slow. The winters are cold and summers warm and wet and the snow free season may last 6-7 months. The area is part of the Quesnel Highlands physiographic region of the central B.C. interior. It is characterized by broad glaciated valleys and gently rolling hills with elevations from 912m (Polley Lake) to 1279m above sea level on Bootjack Mountain.

FIGURE NO.

GLENGARRY DEVELOPMENTS INC.

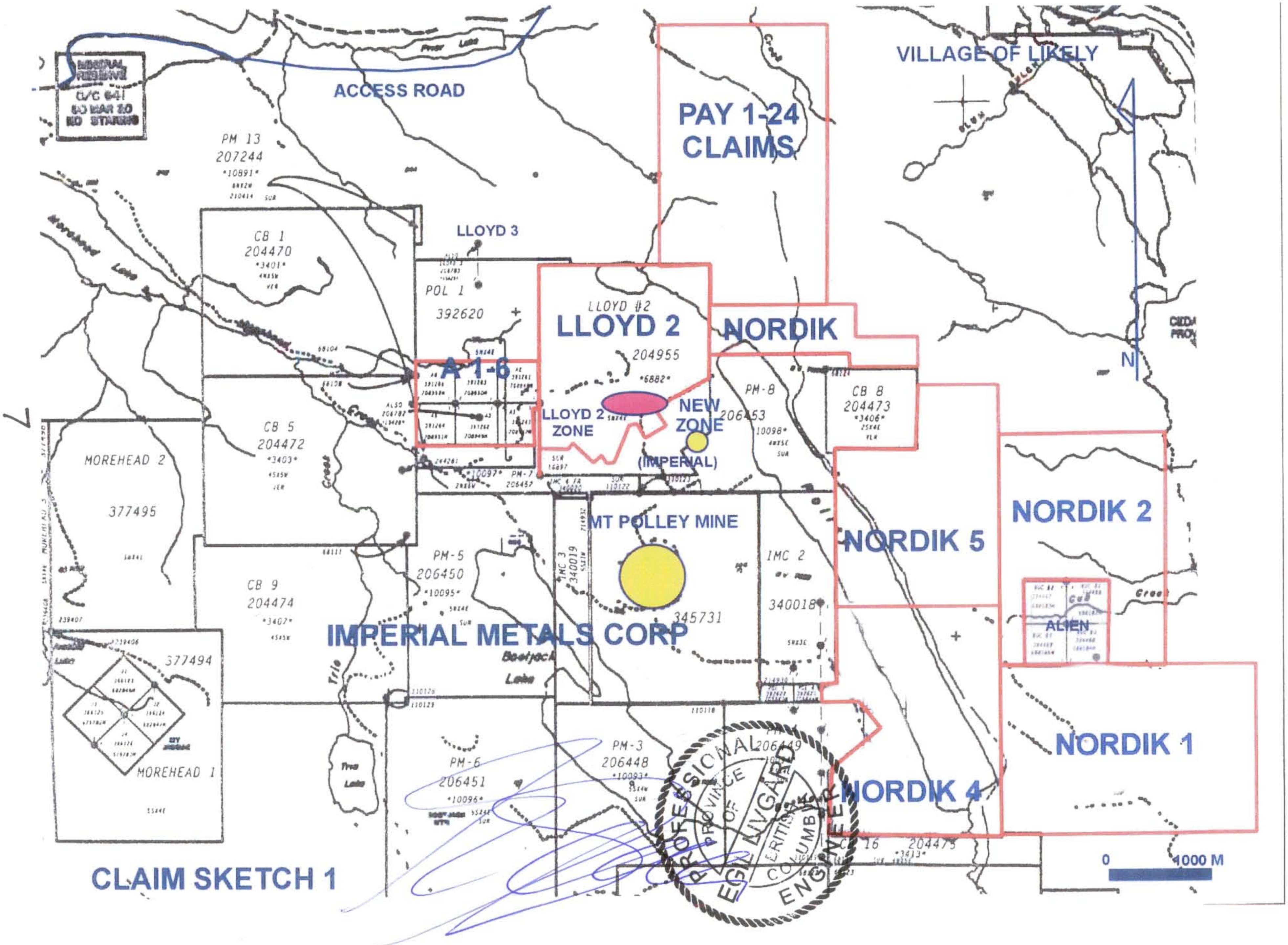
LLOYD PROPERTY

CARIBOO MINING DIVISION, BRITISH COLUMBIA

N.T.S. 93A-12

LOCATION MAP

SCALE: AS SHOWN	DATE: OCTOBER, 2003

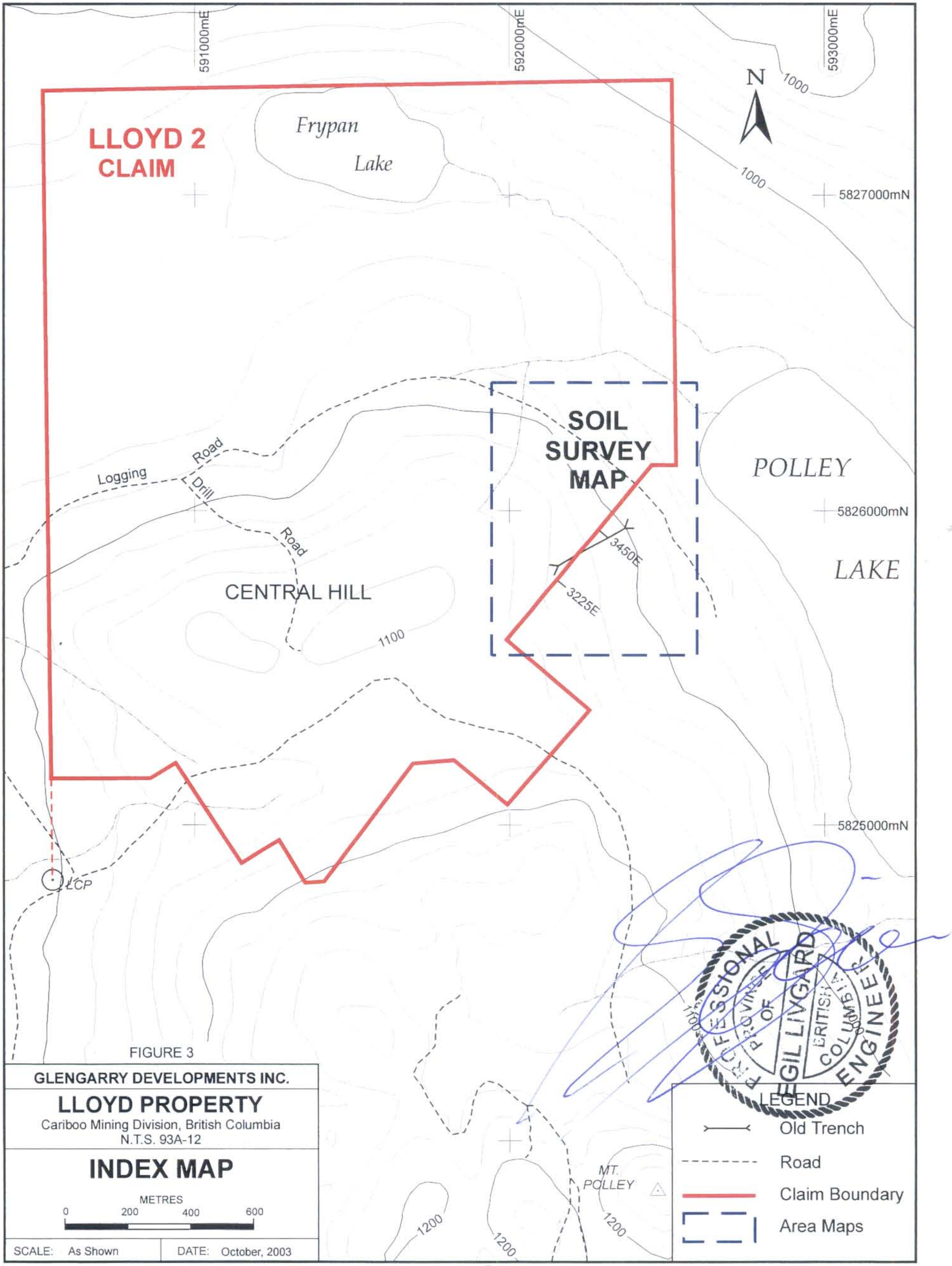


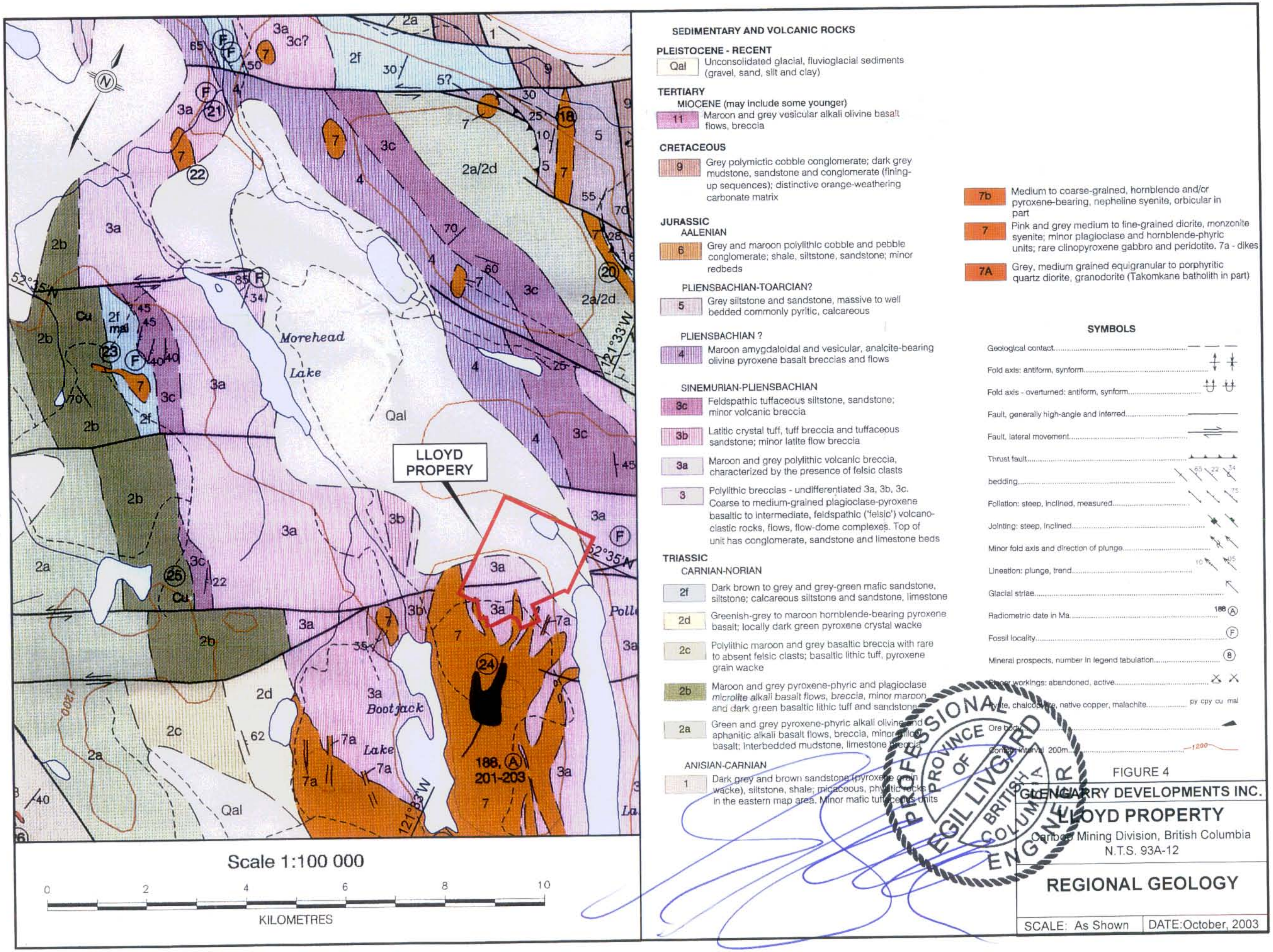
CLAIM SKETCH 1

HISTORY

The area has seen extensive exploration and placer mining since gold was first found in the creeks at Barkerville 150 years ago. Modern hard rock exploration can be said to start with the location of copper-gold mineralization at Polly Mountain in 1964. Numerous geophysical surveys including magnetic, induced polarization and electromagnetic aerial and ground surveys were carried out. The area was also covered by many geochemical soil surveys. These surveys were carried out by a number of companies in the past. They were generally small, their location is often of low accuracy and results have not been correlated. Based on results from some of these surveys and proximity to the Polley Mountain Deposit (early name Cariboo Bell) the Lloyd 2 claim and others were staked in 1985.

In the following years prospecting and further surveys located an area on the Lloyd2 claim which showed highly anomalous magnetic response and scattered anomalous copper values in geochemical soil surveying. The magnetic anomaly was drilled in 1994 to 1996 and a copper-gold deposit was outlined. A resource evaluation suggested that the deposit contained approximately 2.5 million to 5.0 million metric tons depending on cut-of grade of copper-gold content. Further geological mapping, aerial magnetic surveying, soil surveying and diamond drilling indicate that the intrusive rocks, anomalous in copper-gold mineralization underlie about 2 square kilometers on the Lloyd2 mineral claim. The ground is largely overburden covered and also partly covered with volcanics.


591000mE
592000mE
593000mE
N
1000
LLOYD 2
CLAIM
Frypan
Lake
5827000mN
SOIL
SURVEY
MAP
POLLEY
LAKE
5826000mN
Logging Road
Drill Road
3450E
3225E
CENTRAL HILL
1100
5825000mN
LCP
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
EGIL LIVGARD
MT. POLLEY
1200
LEGEND
Old Trench
Road
Claim Boundary
Area Maps
FIGURE 3
GLENGARRY DEVELOPMENTS INC.
LLOYD PROPERTY
Cariboo Mining Division, British Columbia
N.T.S. 93A-12
INDEX MAP
METRES
0 200 400 600
SCALE: As Shown
DATE: October, 2003


SEDIMENTARY AND VOLCANIC ROCKS
PLEISTOCENE - RECENT
Qal Unconsolidated glacial, fluvioglacial sediments (gravel, sand, silt and clay)
TERTIARY
MIOCENE (may include some younger)
11 Maroon and grey vesicular alkali olivine basalt flows, breccia
CRETACEOUS
9 Grey polymictic cobble conglomerate; dark grey mudstone, sandstone and conglomerate (fining-up sequences); distinctive orange-weathering carbonate matrix
JURASSIC
AALENIAN
6 Grey and maroon polylithic cobble and pebble conglomerate; shale, siltstone, sandstone; minor redbeds
PLIENSBACHIAN-TOARCIAN?
5 Grey siltstone and sandstone, massive to well bedded commonly pyritic, calcareous
PLIENSBACHIAN ?
4 Maroon amygdaloidal and vesicular, analcite-bearing olivine pyroxene basalt breccias and flows
SINEMURIAN-PLIENSBACHIAN
3c Feldspathic tuffaceous siltstone, sandstone; minor volcanic breccia
3b Latitic crystal tuff, tuff breccia and tuffaceous sandstone; minor latite flow breccia
3a Maroon and grey polylithic volcanic breccia, characterized by the presence of felsic clasts
3 Polylithic breccias - undifferentiated 3a, 3b, 3c. Coarse to medium-grained plagioclase-pyroxene basaltic to intermediate, feldspathic ('felsic') volcano-clastic rocks, flows, flow-dome complexes. Top of unit has conglomerate, sandstone and limestone beds
TRIASSIC
CARNIAN-NORIAN
2f Dark brown to grey and grey-green mafic sandstone, siltstone; calcareous siltstone and sandstone, limestone
2d Greenish-grey to maroon hornblende-bearing pyroxene basalt; locally dark green pyroxene crystal wacke
2c Polylithic maroon and grey basaltic breccia with rare to absent felsic clasts; basaltic lithic tuff, pyroxene grain wacke
2b Maroon and grey pyroxene-phyric and plagioclase microlite alkali basalt flows, breccia, minor maroon and dark green basaltic lithic tuff and sandstone
2a Green and grey pyroxene-phyric alkali olivine and aphanitic alkali basalt flows, breccia, minor pillowed basalt; interbedded mudstone, limestone breccia
ANISIAN-CARNIAN
1 Dark grey and brown sandstone (pyroxene grain wacke), siltstone, shale; micaceous, phyllitic rocks in the eastern map area. Minor mafic tuff, cherts units
7b Medium to coarse-grained, hornblende and/or pyroxene-bearing, nepheline syenite, orbicular in part
7 Pink and grey medium to fine-grained diorite, monzonite syenite; minor plagioclase and hornblende-phyric units; rare clinopyroxene gabbro and peridotite. 7a - dikes
7A Grey, medium grained equigranular to porphyritic quartz diorite, granodiorite (Takomkane batholith in part)
SYMBOLS
Geological contact
Fold axis: antiform, synform
Fold axis - overturned: antiform, synform
Fault, generally high-angle and inferred
Fault, lateral movement
Thrust fault
bedding
Foliation: steep, inclined, measured
Jointing: steep, inclined
Minor fold axis and direction of plunge
Lineation: plunge, trend
Glacial striae
Radiometric date in Ma
Fossil locality
Mineral prospects, number in legend tabulation
Mine workings: abandoned, active
Pyrite, chalcopyrite, native copper, malachite py cpy cu mal
Ore body
Contour interval 200m
LLOYD PROPERY
Morehead Lake
Bootjack Lake
52°35'N
121°33'W
Scale 1:100 000
0 2 4 6 8 10
KILOMETRES
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
EGIL LIVGARD
FIGURE 4
GLENGARRY DEVELOPMENTS INC.
LLOYD PROPERTY
Cariboo Mining Division, British Columbia
N.T.S. 93A-12
REGIONAL GEOLOGY
SCALE: As Shown
DATE: October, 2003

REGIONAL GEOLOGY

The claims are located in the Quesnellia Terrane and more specifically in the Quesnel Trough. It is a trough both in a depositional and structural sense. The synclinal structure has basal black argillite outcropping on the east and west of the 30 km wide northwest striking group. The central area consists largely of volcanic rocks in a series of coalescing volcanic centers of predominantly alkalic basalt and felsic volcanoclastics, named the Nicola Group, as well as numerous alkalic intrusive stocks.

The intrusive rocks consist of diorite and monzonite to syenite and appear to be coeval and cogenetic with the alkalic volcanics.

The Trough is a prolific host of copper-gold showings due to the presence of strong deep seated regional scale fault structures and its associated alkalic intrusives anomalous in these metals.

STRUCTURE

Block faulting and tilting are the dominant structures in the Quesnel Trough syncline. Faults trend in a northwest and northeast direction. The Trough is fault bounded on the west by Paleozoic rocks of the Cash Creek Group and on the east by the Omenica Belt. The intrusive rocks are complex and frequently brecciated.

ALKALIC INTRUSION RELATED DEPOSITS

The principal exploration targets in the area alkalic intrusion hosted and/or related copper-gold deposits and gold bearing alteration zones in volcanic-sedimentary rock peripheral to alkalic intrusions. In the immediate area the largest known deposits are those at the Polley Mountain which are located 1.5 km south of the Lloyd2 claim. These deposits occur in a Jurassic-Triassic alkalic stock that has intruded Nicola Group volcanic rocks. The mineralization is found mainly in a variety of breccias associated with magnetite.

PROPERTY GEOLOGY

SURFACE

The property is predominantly covered by glacial sand and till. The glacial cover varies in thickness from a meter or less to 10s of meters. The ice movement is northwesterly and mineralized rock fragments have been transported in that direction from deposits at Polley Mountain. This complicates the interpretation of geochemical soil surveys in the area. Bedrock is very poorly exposed. The claim area has in part been covered by a variety of magnetic and soil surveys but interpretation of the results has been difficult for the reasons mentioned above. The companies have improved the access to Nordik #4 and #5 claims by clearing out a six kilometer stretch of badly over grown old road along the east shore of Polley Lake. The road at one time was apparently a connection between the villages Likley and Horsefly. The Nordik claim area has seen relatively little exploration in the past and lack of good access may be one reason. Another one kilometer stretch of drill access road on the Lloyd 2 claim was also cleared out.

ROCK TYPES

An aerial magnetic survey (G.S.C. 1993) indicates that the Polley Mountain stock may extend for 1.0 km north on the Lloyd 2 claim over a width of 2.0 km. The radiometric survey, which responds to potassium feldspar is also positive over the same area with the exception of the central hill on the Lloyd 2 claim which is covered by lava and the eastern part of the claim where the soil survey described in this report was done. This assumed intrusive extensiona largely covered by glacial debris and also by lava of mostly unknown depth and extent. Intrusive rocks have been intersected in several drill holes and also outcrops in the central part of the claim. Other outcrops of intrusion are known on Nordik #1 and #4. Basic to intermediate varieties of volcanic flows, breccias, tuff and minor epiclastic rocks have been observed. The observed rock types are frequently altered.

PETROGRAPHIC STUDY

The writer collected four rock samples from the property on his visit. Two of these and two others taken from core drilled in 2000 were sent to Vancouver Petrographics for study. (See Appendix 2).

The sample from station 3225E on the soil survey baseline is strongly altered possibly alkalic high level intrusive or volcanic possibly trachyte. The alteration is potassic overprinted by chlorite-sericite. It shows hematite after magnetite and possibly sulphides. Malachite was also noted.

The sample from 3450E on the soil survey baseline consists of high level alkalic intrusive breccia or fragmental volcanic but possibly originally monzonite. It is strongly altered mainly to k-feldspar and contains minor pyrite and chalcopyrite as well as limonite.

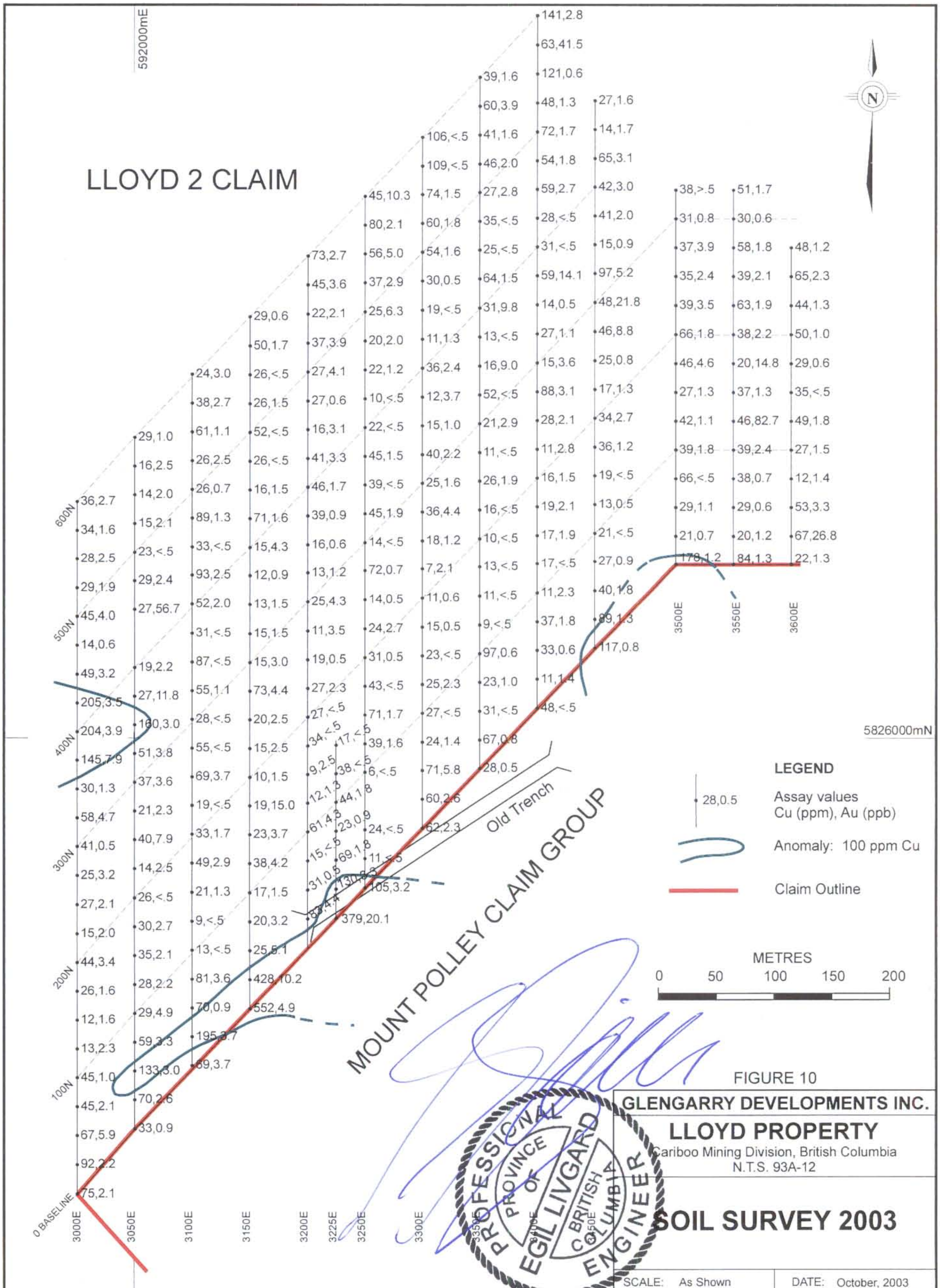
The drilling in 2000 was carried out on a hill on the central Lloyd 2 claim to check for intrusives that might be the source of a copper anomaly north of the hill. The holes intersected highly altered intrusive rocks carrying occasionally as much as 10% fine grained pyrite and traces of chalcopyrite below a volcanic cap. The writer took two samples from Diamond Drill Hole #2 at a core depth of 280m to 290m.
The study describes these as probably high level intrusion strongly altered. Originally they may have been an alkalic trachite or monzonite showing hydrothermal breccia or possibly a fragmental volcanic. They contain on the average 2% to 5% sulphides mainly pyrite but also traces of chalcopyrite.

STRUCTURE

The stratigraphy in the area has a northwesterly trend more or less coincident with the Quesnel Trough. The Trough is bounded on the east and west by major faults. Faults cross-cutting this trend with a variable northeasterly strike have been mapped and other structures are indicated by air photo lineaments and by magnetic interpretations at all scales. The lineaments are thought to be faults and fractures. A mapped fault (B.C. Bulletin 97) appears to offset sedimentary beds or lava flows on the Nordik claims east of the Lloyd 2 claim. Frequent northwest striking lineaments may be caused mainly by ice movement.

MINERALIZATION

The deposit located on the Lloyd 2 claim is porphyry type mineralization. A large area (2.0 sq. km) north and west of the deposit may



LLOYD 2 CLAIM
592000mE
5826000mN
MOUNT POLLEY CLAIM GROUP
Old Trench
0 BASELINE
100N
200N
300N
400N
500N
600N
3000E
3050E
3100E
3150E
3200E
3225E
3250E
3300E
3500E
3550E
3600E
N
LEGEND
28,0.5
Assay values
Cu (ppm), Au (ppb)
Anomaly: 100 ppm Cu
Claim Outline
METRES
0 50 100 150 200
FIGURE 10
GLENGARRY DEVELOPMENTS INC.
LLOYD PROPERTY
Cariboo Mining Division, British Columbia
N.T.S. 93A-12
SOIL SURVEY 2003
SCALE: As Shown
DATE: October, 2003
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
EGIL LIVGARD

in part be underlain by favorable intrusives. The strong alteration and mineralization located in the drilling in 2000 (appendix 2) increases the possibility of finding other deposits. Prospecting northeast of the deposit also located favourable altration and mineralization.

Samples taken here by the writer were analyzed by Acme Analytical laboratories and gave the following results:

Sample No.	Copper ppm	%	Gold ppb	oz/ mt	Location
A 20177	4194.1	0.42	1594.9	0.047	Soil grid 3225E
A 20178	1251.1	0.13	9.8	---	" 3450E
A 20180	502.5	0.05	10.1	---	" "
A 20181	2101.5	0.21	167.3	---	" 3225E

These samples were grab samples and therefore not representative of any true grade. They are however indicative of mineralizing activity.

Prospecting on the Nordik claims in the past has located outcrops of intrusive rock and visible copper mineralization. It has not been sampled.

GEOCHEMICAL SOIL SURVEY

The survey was carried out on behalf of Glengarry Developments Inc. by a company called Quantum Speed Internet Products Inc., from August 5th to 29th 2003. Company personnel have long experience in soil sampling and the writer's examination of a small part of the survey and samples did not find any faults. A baseline was established and slashed out in dense brush along the claim boundary line. Lines were established with an east west spacing of 50m starting at line 3000E extending to 3600E and sample stations were space at 25m. From the baseline survey lines were run 600m to the north. The last four lines were gradually shortened to 350m. Soil samples from the "B" horizon were collected in Kraft soil bags. 289 samples were brought to Acme Analytical laboratories by the writer for analysis (appendix 1). The results of the copper and gold values have been plotted on the map following this page.

Acme was asked to calculate the anomalous values for these metals in this survey and report that copper has a threshold value of 75ppm and is anomalous at 100ppm and gold has a threshold value of 5ppb and is anomalous at 10ppb. Anomalous copper values are found mostly along the baseline. A small (four samples) anomaly is found 400m to the north on the first and second lines (3000E-3050E). It is open to the west. Anomalous gold occurs in a few (eight) scattered single samples.

The results of the survey suggests that much of the survey area is covered by deep glacial overburden and/or volcanics.

Egil Livgard B.Sc. P.Eng.
Coquitlam B,C, Dec. 19th 2003

COST DECLERATION

Grid and soil sample collection	$ 8840.83
Soil sample analysis	$ 3505.32
Rock sample analysis	$ 119.50
Petrographic study	$ 711.55
Property examination	
3 days @ $ 320	$ 960.00
Travel expenses	
Room and board	$ 206.27
Vehicle and gas	$ 150.00
Trail clearing 7 km	
3 men, chainsaw and 4x4 vehicle	
6 days @ $1020.00/ day all incl.	$ 6120.00
Report costs	
Drafting service	$ 865.00
Copying	$ 20.00
Fees	
5 days @ $320	$ 1600.00
TOTALING	$ 23098.47

Egil Livgard P.Eng.
Vancouver B.C. Dec. 19th 2003

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- Loraine

Special Volume 46
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- Mount Polley

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No. 093A 121 - QR Mine

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By G.H. Giroux P.Eng. MA. Sc.
Montgomery Consultats Ltd. March 30th 1996

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Mount Polley Claim ground.
Exto and Dodge Land Surveying Ltd.
Williams Lake B.C. 1994

CERTIFICATE

I, Egil Livgard, of 1990 King Albert Avenue, Coquitlam, B.C.,do hereby certify:

1. I am a registered member in good standing of the Association of Professional Engineers of the Province of British Columbia with registration No. 7236

2. I am a graduate of the University of British Columbia with a B.Sc. 1960 in Geological Sciences and have regularly updated and expanded my geological knowledge through numerous short courses given by MDRU, GAC and the B.C. Yukon Chamber of Mines

3. I have practiced my profession for over 40 years in mineral exploration, in mines and in property evaluation.

4. This report is based on my extensive past work in the area, on examination of the property during a visit on September 1st and 2nd 2003 and on information from the references as listed.

5. I confirm that I do not own any interest directly or indirectly in GLENGARRY DEVELOPMENTS INC. and/or QUANTUM SPEED INTERNET PRODUCTS INC. or their securities or properties and I do not expect to receive any such interest in these companies, their affiliates or their properties.

Dated at Coquitlam, British Columbia this 19th day of December, 2003

Egil Livgard B.Sc., P.Eng.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
E. G. LIVGARD

Appendix I

ASSAY CERTIFICATES

P.O. Box 27073, 1395 Marl, West Vancouver BC V7T 2X8 Submitted by: Egil Livgard

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	.1	2.9	2.5	2	<.1	.6	.1	4	.07	1.0	<.1	<.5	<.1	2	<.1	.1	<.1	1	.07	<.001	<1	<1	<.01	4	<.001	<1	.01	.356	<.01	<.1	<.01	.2	<.1	.06	<1	<.5
A 20177	1.2	4194.1	41.2	147	4.0	1.8	16.4	1077	3.13	9.2	.9	1594.9	1.3	112	.9	.2	1.2	127	4.21	.193	21	2.0	.59	207	.008	19	1.27	.021	.30	.1	.01	5.3	.1	.14	6	.6
A 20178	4.0	1251.1	34.5	118	1.1	.1	9.6	1872	2.86	5.0	3.0	9.8	1.8	88	.5	.2	.1	131	3.89	.075	19	1.1	.32	112	.062	20	.79	.023	.24	.3	.11	2.1	<.1	.40	5	.6
~~A 20179~~	~~5.6~~	~~40492.3~~	~~103.0~~	~~203~~	~~42.0~~	~~2.6~~	~~21.6~~	~~1512~~	~~4.09~~	~~2.5~~	~~1.9~~	~~586.2~~	~~1.7~~	~~116~~	~~7.9~~	~~.2~~	~~.6~~	~~162~~	~~3.45~~	~~.337~~	~~33~~	~~3.9~~	~~.98~~	~~39~~	~~.062~~	~~12~~	~~1.24~~	~~.022~~	~~.23~~	~~.4~~	~~.47~~	~~6.7~~	~~<.1~~	~~1.18~~	~~6~~	~~29.8~~
A 20180	6.2	502.5	18.5	137	1.1	1.1	13.4	2126	3.40	9.4	1.4	10.1	1.4	69	.8	.2	<.1	147	3.69	.111	16	3.9	.86	36	.122	8	1.12	.026	.15	1.3	.01	4.5	<.1	.15	7	.7
A 20181	.6	2101.5	12.4	115	2.0	2.3	16.3	1226	3.07	5.6	.8	167.3	1.2	136	.9	.1	.2	129	4.69	.171	19	3.4	.57	265	.011	18	1.25	.022	.32	<.1	.01	6.1	.1	.08	5	.6
~~A 20182~~	~~5.6~~	~~10437.5~~	~~16.7~~	~~176~~	~~17.7~~	~~3.5~~	~~19.6~~	~~2638~~	~~5.98~~	~~22.0~~	~~4.8~~	~~42.2~~	~~1.1~~	~~77~~	~~2.8~~	~~.3~~	~~.5~~	~~246~~	~~5.97~~	~~.134~~	~~24~~	~~5.1~~	~~.63~~	~~24~~	~~.092~~	~~10~~	~~.97~~	~~.017~~	~~.12~~	~~.4~~	~~.44~~	~~5.8~~	~~.1~~	~~1.55~~	~~7~~	~~9.8~~
STANDARD DS5	12.2	146.3	24.2	130	.3	24.3	12.0	769	2.93	18.2	5.9	42.0	2.7	47	5.4	3.2	6.3	60	.74	.094	12	188.1	.67	135	.100	18	2.08	.035	.15	4.7	.18	3.8	1.1	<.05	7	4.6

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-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 4 2003 **DATE REPORT MAILED:** Sep 22/2003 **SIGNED BY** ......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

20177 (L) 3225E
78 (L) 3450E
[redacted]
80 3450E
81 3225E
[redacted]

 Data FA

Glengarry Dev. Corp. File # A303979 Page 1
P.O. Box 27073, 1395 Mari, West Vancouver BC V7T 2X8 Submitted by: Egil Livgard

MPLE#	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
00	.3	74.1	4.6	57	.1	15.5	10.8	505	3.34	3.7	.7	6.1	1.9	377	.1	.2	.1	99
25	.9	136.1	6.9	70	.2	25.0	14.9	906	3.68	9.4	.7	6.2	2.5	273	.2	.3	.1	98
50	.8	84.0	6.8	84	.3	27.7	16.3	1082	3.99	7.8	.8	3.7	1.6	132	.4	.3	.1	120
75	.5	159.8	6.7	67	.2	23.2	14.3	795	3.92	9.0	.9	4.0	2.0	113	.2	.4	.1	118
100	.4	156.0	6.4	64	.1	33.8	16.4	698	3.82	8.8	.6	3.5	3.5	92	.1	.5	.1	98
125	1.1	176.6	7.2	63	.1	40.5	17.2	714	4.26	11.3	.7	21.1	3.1	110	.2	.4	.2	130
150	.9	153.9	7.1	66	.1	22.9	17.2	900	3.69	7.7	.6	4.9	2.6	102	.1	.3	.1	113
175	6.5	262.9	10.7	112	.3	17.1	24.4	1910	5.04	15.1	1.0	10.8	2.3	93	.6	.4	.1	154
200	7.2	230.5	13.9	75	.3	5.6	28.8	2939	4.98	18.1	.9	10.4	1.3	102	.3	.5	.1	134
225	2.9	193.2	11.9	86	.3	21.8	23.5	1780	4.64	18.2	.9	7.1	2.4	98	.3	.4	.2	139
250	.8	87.5	6.0	99	.2	26.0	12.8	576	3.70	7.8	.4	3.8	1.7	67	.4	.3	.1	105
275	1.6	126.3	8.4	83	.4	24.7	14.9	687	3.88	9.2	.6	3.3	1.9	48	.2	.3	.1	113
300	3.2	231.4	13.2	86	.3	23.9	22.9	1709	4.46	16.0	.8	7.6	2.8	88	.4	.4	.2	127
325	1.4	146.8	7.2	61	.1	33.3	17.3	760	3.81	7.2	.7	4.8	3.2	70	.3	.3	.1	106
350	1.7	338.3	11.9	87	.5	30.1	16.3	913	3.95	6.8	.7	743.9	2.3	58	.4	.3	.1	113
T+350	1.9	351.2	11.7	96	.3	31.3	15.6	916	4.08	7.4	.7	5.1	2.4	58	.3	.2	.1	118
000E 600N	.3	36.2	5.3	75	.1	14.3	14.0	451	4.67	17.1	.6	2.7	1.5	372	.1	.6	.1	130
000E 575N	.3	34.2	5.6	90	.1	20.8	14.0	720	4.10	6.2	.5	1.6	1.7	88	.1	.3	.1	117
000E 550N	.3	28.0	6.1	117	.1	19.9	15.0	739	4.18	7.3	.4	2.5	1.6	70	.2	.3	.1	113
000E 525N	.3	29.7	6.1	102	.1	20.5	16.8	764	4.44	7.2	.5	1.9	1.3	92	.1	.3	.1	127
000E 500N	.5	45.4	6.1	90	<.1	13.6	14.5	764	4.29	8.1	.4	4.0	1.5	129	.2	.4	.1	127
000E 475N	.3	14.7	5.7	86	<.1	3.5	15.0	754	4.77	8.7	.5	.6	.8	215	.1	.4	.1	124
000E 450N	.7	49.3	5.7	76	.3	17.9	13.3	804	3.89	9.8	.5	3.2	1.2	54	.2	.3	.1	103
000E 425N	.5	205.1	6.3	80	.2	19.1	11.6	486	3.12	8.2	.5	3.5	2.4	49	.1	.3	.1	90
000E 400N	.7	204.2	6.6	68	.1	18.4	11.8	559	3.36	6.8	.5	3.9	2.0	79	.1	.2	.1	93
000E 375N	.9	145.8	5.9	72	.1	18.4	10.1	345	3.38	6.4	.5	7.9	1.9	38	.2	.2	.1	101
000E 350N	.6	30.8	6.8	95	.2	15.2	10.8	530	3.58	4.1	.4	1.3	1.4	57	.2	.2	.1	95
000E 325N	.5	58.1	6.3	91	.1	30.6	16.8	534	4.06	6.0	.5	4.7	1.6	54	.2	.1	.1	113
000E 300N	.7	41.9	6.7	84	.1	19.5	11.6	638	3.28	4.5	.4	.5	1.4	72	.3	.2	.1	91
000E 275N	.4	25.0	5.5	133	.1	6.8	13.1	1148	4.15	3.8	.4	3.2	1.0	94	.4	.2	.1	134
000E 250N	.4	27.5	5.2	100	.1	10.9	13.1	923	3.72	5.1	.4	2.1	1.0	133	.2	.1	.1	104
000E 225N	.4	15.3	6.7	134	.1	5.9	9.6	768	3.47	4.0	.4	2.0	1.2	112	.3	.2	.1	91
000E 200N	.5	44.5	7.3	103	.1	25.1	14.9	444	3.80	4.5	.5	3.4	1.7	48	.2	.2	.1	119
000E 175N	.4	26.6	5.1	92	<.1	15.2	13.9	690	4.00	5.0	.4	2.3	1.3	79	.2	.2	.1	125
ANDARD DS5	12.4	144.4	24.4	140	.3	26.4	12.6	759	3.05	18.9	5.8	40.0	2.8	46	5.6	3.8	6.1	60

MPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
00	.62	.048	11	42.7	.61	474	.088	3	1.98	.019	.06	<.1	.04	5.0	<.1	<.05	5	<.5
25	.87	.144	16	43.8	.89	372	.079	6	2.16	.033	.14	.1	.08	5.7	.1	<.05	7	.5
50	.78	.076	11	54.6	.75	290	.078	8	2.39	.017	.13	.2	.08	5.0	.1	<.05	7	.7
75	.92	.095	17	44.3	.73	229	.081	7	1.99	.015	.14	.2	.04	5.3	<.1	<.05	6	<.5
100	.91	.122	16	55.3	1.14	136	.118	5	2.32	.071	.13	.1	.10	5.8	.1	<.05	7	<.5
125	.75	.082	13	73.4	1.03	163	.117	6	2.94	.018	.17	.2	.07	9.3	.1	<.05	8	<.5
150	.81	.128	15	47.0	.79	124	.115	6	1.82	.040	.11	.1	.06	5.4	<.1	<.05	6	<.5
175	1.33	.196	24	27.5	.92	131	.109	11	2.15	.087	.19	.4	.05	7.5	.1	<.05	8	.6
200	1.28	.210	39	9.0	.86	127	.097	7	2.45	.022	.18	.1	.09	8.1	.1	<.05	10	1.1
225	1.25	.180	25	37.7	1.13	167	.106	9	2.43	.026	.16	.2	.05	8.2	.1	<.05	9	<.5
250	.46	.124	8	54.7	.65	177	.094	4	2.46	.012	.11	.1	.05	3.8	<.1	<.05	7	.7
275	.46	.070	15	48.5	.61	95	.099	4	2.26	.014	.11	.1	.05	4.5	.1	<.05	8	.5
300	1.02	.153	28	41.9	.96	157	.084	6	2.47	.026	.17	.1	.20	7.8	.1	<.05	8	1.0
325	.69	.090	16	56.8	.91	141	.107	4	2.59	.016	.12	.1	.06	6.2	.1	<.05	7	<.5
350	.58	.095	15	55.4	.76	144	.095	4	2.72	.012	.12	.1	.08	5.2	.1	<.05	8	<.5
T+350	.56	.097	16	59.3	.81	151	.092	3	2.83	.013	.13	.1	.07	5.2	.1	<.05	8	.8
000E 600N	.54	.134	7	23.5	.70	751	.131	6	3.77	.016	.20	.1	.07	7.5	.1	<.05	8	<.5
000E 575N	.55	.177	7	33.4	.81	356	.127	5	3.48	.011	.17	.1	.06	5.8	<.1	<.05	9	<.5
000E 550N	.55	.210	6	28.6	.76	462	.143	3	3.39	.012	.17	.1	.05	6.0	<.1	<.05	11	.7
000E 525N	.59	.102	5	25.7	.82	490	.160	4	3.42	.013	.13	.1	.16	5.5	<.1	<.05	10	.7
000E 500N	.65	.091	6	25.7	.78	414	.127	6	3.04	.012	.17	.1	.08	6.4	.1	<.05	8	<.5
000E 475N	.54	.107	4	4.9	.63	640	.087	3	3.18	.020	.22	.1	.02	6.8	<.1	<.05	7	<.5
000E 450N	.51	.143	8	31.6	.65	198	.110	4	2.73	.010	.12	.1	.03	4.4	<.1	<.05	8	.6
000E 425N	.58	.093	13	34.3	.53	127	.090	1	2.33	.011	.10	.1	.05	5.3	.1	<.05	7	.9
000E 400N	.49	.156	10	33.7	.59	166	.098	5	2.46	.010	.10	.1	.04	3.9	<.1	<.05	7	<.5
000E 375N	.35	.094	11	37.2	.54	122	.079	4	2.02	.009	.07	.2	.03	3.6	<.1	<.05	6	.5
000E 350N	.39	.231	6	32.2	.44	194	.086	3	2.12	.009	.07	.1	.02	3.3	<.1	<.05	9	<.5
000E 325N	.41	.195	8	54.0	.75	217	.089	4	2.85	.011	.08	.1	.05	5.3	<.1	<.05	9	<.5
000E 300N	.51	.221	6	44.7	.52	298	.075	4	1.90	.008	.11	.1	.03	4.0	<.1	<.05	7	<.5
000E 275N	.90	.267	4	10.9	.57	773	.175	5	3.22	.015	.11	.1	.04	5.1	<.1	<.05	12	.7
000E 250N	.75	.460	3	16.8	.74	829	.114	3	4.42	.016	.27	.1	.06	4.4	.1	<.05	8	.5
000E 225N	.86	.328	5	12.4	.42	491	.144	4	2.87	.015	.14	.1	.05	4.6	<.1	<.05	10	.7
000E 200N	.45	.148	7	49.6	.66	167	.097	6	2.38	.010	.11	.1	.03	3.8	.1	<.05	7	.9
000E 175N	.99	.107	4	28.5	.73	258	.163	7	3.32	.013	.12	.1	.02	6.0	<.1	<.05	8	<.5
ANDARD DS5	.74	.093	14	188.2	.69	139	.105	16	2.14	.035	.16	4.8	.16	3.8	1.1	<.05	7	5.0

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-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 <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: SEP 4 2003 **DATE REPORT MAILED:** Sep 22/2003 **SIGNED BY** ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

PLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
00E 150N	.5	12.5	5.7	101	.1	9.4	10.2	557	3.35	2.6	.4	1.6	1.0	32	.3	.1	.1	106	.71	.136	4	23.9	.50	273	.119	7	2.84	.012	.10	.1	.02	3.9	<.1	<.05	11	<.5
00E 125N	.6	13.1	6.0	124	.1	11.2	11.8	623	3.55	4.4	.4	2.3	1.3	46	.4	.2	.1	96	.60	.278	5	21.5	.58	260	.132	6	2.97	.013	.10	.1	.04	4.1	<.1	<.05	10	.6
00E 100N	.7	45.7	7.1	79	.1	25.2	13.5	500	3.64	5.1	.5	1.0	1.8	61	.3	.2	.1	118	.47	.062	9	68.0	.54	113	.124	4	1.57	.013	.09	.1	.02	3.4	<.1	<.05	6	<.5
00E 75N	.4	45.5	5.9	75	.1	25.4	12.8	539	3.46	5.8	.5	2.1	1.8	60	.2	.2	.1	114	.45	.056	10	66.4	.64	101	.114	4	1.53	.012	.09	.1	.03	3.9	<.1	<.05	5	<.5
00E 50N	.7	67.5	7.1	82	.1	47.7	18.0	618	4.15	9.7	.6	5.9	2.2	93	.3	.2	.1	128	.69	.066	10	86.7	.96	191	.114	5	2.40	.017	.13	.1	.03	4.9	<.1	<.05	7	.7
00E 25N	1.0	92.3	7.4	80	.2	36.7	16.0	735	3.45	9.2	.6	2.2	2.3	65	.4	.2	.1	100	.53	.066	12	68.3	.79	139	.094	4	2.05	.013	.10	.2	.06	4.4	.1	<.05	6	.8
00E 0N	1.2	75.4	7.7	108	.2	25.8	13.8	2002	3.32	6.0	.5	2.1	1.2	70	.7	.3	.1	104	1.01	.066	8	53.1	.61	215	.069	5	1.72	.010	.12	.1	.08	3.8	.1	<.05	6	1.3
50E 600N	.6	29.4	7.4	105	.1	12.0	12.2	980	3.75	7.9	.4	1.0	1.3	67	.2	.2	.1	105	.39	.242	5	23.5	.58	289	.109	4	2.99	.010	.21	.1	.01	4.6	.1	<.05	10	<.5
50E 575N	.6	16.7	6.4	136	.1	9.9	16.0	1859	4.38	4.3	.4	2.5	1.2	141	.2	.2	.1	134	.53	.222	4	10.7	.64	406	.126	5	4.72	.012	.25	.1	.04	4.6	.1	<.05	12	.6
50E 550N	.4	14.1	5.0	94	<.1	.9	16.2	1241	4.54	3.9	.5	2.0	1.2	306	.1	.2	<.1	150	.76	.060	5	2.0	.75	357	.179	5	4.74	.703	.24	<.1	.02	7.0	.1	<.05	8	<.5
50E 525N	.5	15.0	7.8	179	.1	4.7	15.1	1879	4.34	4.3	.4	2.1	1.0	112	.2	.3	.1	134	.61	.111	3	5.6	.56	401	.179	3	3.30	.014	.22	.1	.05	4.6	.1	<.05	8	.5
50E 500N	.6	23.5	7.5	102	.1	15.0	14.0	871	3.82	5.7	.4	<.5	1.4	69	.3	.2	.1	107	.67	.310	6	32.6	.60	417	.125	4	2.73	.012	.14	.2	.06	4.5	<.1	<.05	10	.6
50E 475N	.5	29.2	6.5	89	.1	18.5	11.3	638	3.03	3.6	.4	2.4	1.7	43	.2	.2	.1	78	.44	.180	8	42.3	.46	190	.085	3	1.92	.012	.09	.1	.02	3.1	<.1	<.05	7	<.5
50E 425N	.4	27.1	6.5	61	.3	10.4	5.8	312	2.23	3.7	.3	56.7	1.9	37	.3	.2	.1	66	.52	.042	9	27.6	.23	112	.074	3	.89	.010	.07	.1	.02	1.9	<.1	<.05	5	<.5
50E 400N	.7	19.9	6.7	89	.2	12.1	8.5	637	2.74	3.9	.3	2.2	1.5	35	.2	.2	.1	68	.36	.211	6	32.3	.32	195	.080	2	1.60	.008	.07	.2	.05	2.8	<.1	<.05	7	<.5
50E 375N	.6	27.8	7.2	128	.1	7.8	12.2	889	4.06	2.2	.3	11.8	1.1	35	.2	.2	.1	135	.37	.172	4	16.3	.49	240	.141	2	2.04	.016	.06	.1	.03	4.3	.1	<.05	11	.6
50E 350N	.6	160.8	6.9	69	.1	19.7	14.5	585	4.15	5.7	.5	3.0	2.4	149	.1	.2	.1	120	.45	.115	9	35.6	.74	296	.130	4	3.50	.012	.11	.1	.03	4.4	<.1	<.05	8	.5
50E 325N	.7	51.5	8.0	111	.1	9.9	10.0	1053	3.51	3.6	.3	3.8	1.2	169	.2	.2	.2	107	.47	.132	6	24.3	.39	388	.130	2	2.01	.011	.10	.2	.03	2.9	<.1	<.05	8	<.5
50E 300N	.4	37.4	6.4	79	.1	13.8	14.9	621	3.95	4.6	.5	3.6	1.4	338	<.1	.2	.1	114	.75	.072	5	22.4	.66	752	.160	3	2.69	.012	.19	.2	.02	4.2	<.1	<.05	6	<.5
L3050E 300N	.4	37.4	6.5	80	.1	13.4	14.8	638	4.05	4.7	.5	3.5	1.4	337	.1	.2	.1	117	.73	.072	5	23.0	.67	742	.161	4	2.62	.013	.19	.1	.03	4.2	.1	<.05	6	.5
50E 275N	.5	21.5	6.6	47	.1	12.8	8.6	421	2.78	2.7	.4	2.3	1.2	71	.1	.2	.1	98	.42	.018	6	45.7	.34	97	.092	2	1.05	.013	.06	.1	<.01	2.9	<.1	<.05	4	<.5
50E 250N	.6	40.4	7.1	94	<.1	80.7	20.1	1409	4.23	5.2	.6	7.9	1.4	194	.3	.2	.1	134	.69	.110	6	59.0	1.30	314	.123	4	2.31	.010	.08	.1	.02	4.4	<.1	<.05	8	.5
50E 225N	.5	14.0	6.0	121	.1	8.9	11.6	1609	2.98	6.8	.3	2.5	.9	66	.1	.2	.1	93	.55	.302	3	11.2	.49	379	.102	6	4.34	.026	.17	.1	.09	2.7	.1	<.05	11	.5
50E 200N	.6	26.0	6.4	70	.1	16.7	10.5	427	3.43	3.4	.4	<.5	1.6	64	.1	.2	.2	103	.34	.239	6	47.3	.51	168	.094	4	2.12	.012	.11	.1	.02	3.4	.1	<.05	7	.7
50E 175N	.5	30.0	6.9	78	.1	18.9	11.0	497	3.38	3.1	.4	2.7	1.5	80	.2	.2	.1	106	.41	.129	6	48.5	.49	187	.091	3	1.87	.010	.09	.1	.03	3.4	.1	<.05	7	<.5
50E 150N	.5	35.7	7.0	107	.1	22.2	12.5	1207	3.41	3.7	.4	2.1	1.4	44	.1	.1	.1	110	.44	.147	6	53.0	.53	216	.098	3	1.85	.010	.11	.1	.02	3.9	.1	<.05	7	<.5
50E 125N	.7	28.6	6.4	101	.1	20.5	11.4	548	3.60	4.9	.4	2.2	1.4	41	.2	.2	.1	98	.27	.178	6	45.6	.64	184	.088	4	2.41	.010	.10	.1	.03	4.1	.1	<.05	8	.6
50E 100N	.8	29.1	7.0	73	.1	12.8	9.8	737	3.04	3.4	.4	4.9	1.3	46	.3	.2	.1	99	.48	.051	6	39.9	.34	113	.106	3	1.01	.010	.07	.1	.02	2.8	<.1	<.05	5	<.5
50E 75N	.6	59.5	8.7	60	.1	22.7	15.5	851	4.08	7.5	.6	3.3	2.3	68	.1	.3	.1	145	.69	.127	13	59.4	.72	65	.143	5	1.29	.016	.08	.2	.04	5.4	<.1	<.05	5	<.5
50E 50N	1.3	133.2	10.2	124	.3	35.3	20.9	1672	4.08	10.9	.8	3.0	1.8	83	.7	.2	.2	115	.77	.073	21	72.6	.70	267	.092	5	2.05	.013	.12	.1	.04	5.7	.1	<.05	7	.7
50E 25N	.9	70.8	7.1	94	.2	37.8	17.5	1159	3.58	7.6	.5	2.6	1.6	84	.6	.2	.1	96	.88	.050	12	69.3	.72	200	.095	4	1.97	.012	.13	.1	.05	4.5	<.1	<.05	6	.6
50E 0N	.6	33.8	7.0	121	.1	32.7	14.2	965	3.70	5.6	.4	.9	1.8	48	.4	.2	.1	101	.43	.066	8	67.9	.66	229	.104	3	1.70	.011	.10	.1	.02	3.8	.1	<.05	7	<.5
00E 600N	.5	24.9	5.5	93	.2	15.5	11.7	651	3.47	5.1	.4	3.0	1.2	70	.2	.2	.1	89	.47	.260	5	31.9	.37	191	.084	3	2.45	.009	.10	.1	.04	3.7	<.1	<.05	8	.8
00E 575N	.6	38.5	7.0	114	.2	9.0	12.8	998	4.10	4.1	.5	2.7	1.0	274	.1	.1	.2	128	.39	.213	3	10.0	.51	423	.146	3	4.68	.019	.21	.1	.03	5.1	.1	<.05	11	<.5
NDARD DS5	12.8	141.9	24.0	136	.3	25.7	12.2	771	2.90	18.6	6.0	41.0	2.9	48	5.8	3.7	6.1	60	.74	.091	12	182.5	.68	137	.098	16	2.10	.033	.14	4.6	.16	3.7	1.0	<.05	6	5.1

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

Data FA

ACME ANALYTICAL

IPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
.00E 550N	.7	61.1	7.1	88	.2	16.9	11.9	771	3.19	4.8	.4	1.1	1.2	55	.1	.2	.1	98	.44	.163	7	30.0	.50	218	.094	2	2.56	.010	.10	.1	.04	3.7	<.1	<.05	8	<.5
.00E 525N	.3	26.2	5.5	83	.1	8.4	13.4	853	3.72	6.0	.5	2.5	1.4	572	.1	.2	.1	121	.72	.090	5	13.2	.53	398	.154	2	4.01	.053	.19	.1	.03	5.0	<.1	<.05	7	<.5
.00E 500N	.4	26.2	6.6	108	.1	7.4	14.8	1068	4.49	9.4	.5	.7	1.2	75	.2	.3	.1	138	1.12	.280	4	7.9	.97	426	.195	4	4.82	.012	.16	.2	.05	8.6	<.1	<.05	13	<.5
.00E 475N	.5	89.1	6.3	54	.1	31.7	14.1	658	3.29	9.6	.4	1.3	2.2	62	.1	.3	.1	100	.46	.119	9	49.4	.76	186	.091	4	2.38	.011	.11	.1	.04	4.5	<.1	<.05	5	<.5
00E 450N	.5	33.8	5.9	72	.1	22.6	12.2	623	3.07	5.6	.4	<.5	1.3	60	.1	.1	.1	91	.65	.088	6	35.3	.67	258	.106	3	2.18	.011	.11	.1	.05	4.0	<.1	<.05	7	<.5
00E 425N	.4	93.9	6.3	44	<.1	20.7	11.5	459	3.12	6.6	.5	2.5	2.1	75	.1	.2	.1	105	.60	.064	9	45.2	.61	218	.119	3	2.07	.013	.08	.1	.03	3.6	<.1	.06	5	<.5
00E 400N	.6	52.0	6.3	77	.1	24.9	13.1	437	3.62	6.2	.4	2.0	1.8	36	.1	.2	.1	96	.40	.264	8	44.2	.68	171	.101	3	2.67	.010	.08	.1	.04	4.3	<.1	<.05	8	.6
00E 375N	.6	31.9	5.7	81	.1	16.4	9.3	640	2.32	2.8	.3	<.5	1.8	55	.2	.3	.1	66	.52	.096	9	35.3	.39	317	.082	2	1.53	.009	.10	.1	.02	2.8	<.1	<.05	6	<.5
00E 350N	.6	87.1	6.2	100	.1	15.8	14.4	685	3.99	5.2	.4	<.5	1.1	115	.1	.2	.1	122	.56	.300	4	18.1	.73	605	.140	3	4.21	.014	.10	.2	.02	5.5	<.1	.06	11	.5
00E 325N	.5	55.6	5.9	100	.1	12.2	13.5	754	3.96	4.0	.4	1.1	1.1	109	.1	.2	.1	117	.63	.268	3	9.3	.65	334	.142	3	5.17	.010	.29	.1	.03	4.2	.1	<.05	9	<.5
00E 300N	.3	28.6	7.1	104	.1	4.5	12.5	1048	4.54	2.9	.4	<.5	.9	721	.1	.1	.1	141	.93	.147	3	3.8	.51	1374	.151	2	4.32	.022	.18	.1	.03	4.3	<.1	<.05	9	.5
00E 275N	.6	55.8	9.4	136	.1	17.2	12.8	922	3.89	4.1	.4	<.5	1.6	85	.2	.2	.2	96	.57	.277	5	23.2	.50	520	.122	2	3.09	.011	.13	.1	.02	4.3	.1	<.05	12	<.5
00E 250N	.7	69.2	7.3	57	.1	15.9	10.1	449	3.06	5.4	.4	3.7	1.8	60	.1	.2	.1	92	.34	.240	9	38.8	.41	182	.077	4	1.78	.010	.07	.1	.02	3.4	<.1	<.05	6	<.5
00E 225N	.5	19.0	7.1	77	.1	16.4	10.4	570	3.10	3.7	.4	<.5	1.1	81	.1	.2	.1	93	.42	.123	6	44.9	.36	240	.077	3	1.65	.010	.12	.1	.03	3.3	<.1	<.05	7	<.5
00E 200N	.5	33.4	7.9	64	.1	20.2	12.4	580	3.71	3.8	.5	1.7	1.7	137	.1	.2	.1	119	.44	.121	8	52.8	.57	206	.091	5	1.80	.011	.08	.1	.03	3.8	<.1	<.05	6	<.5
00E 175N	.6	49.2	6.8	79	.1	28.1	14.3	462	3.93	5.5	.5	2.9	1.5	141	.1	.2	.1	122	.45	.147	7	51.9	.72	231	.077	3	2.75	.009	.11	.1	.03	4.5	<.1	<.05	7	<.5
00E 150N	.4	21.8	7.1	61	.1	14.9	8.4	496	2.89	3.0	.3	1.3	1.1	70	.1	.1	.1	92	.46	.126	5	39.4	.34	163	.084	3	1.44	.009	.08	.1	.03	2.9	<.1	.06	6	<.5
00E 125N	.6	9.7	6.6	117	.1	6.9	10.4	562	3.67	3.4	.4	<.5	.9	37	.3	.2	.1	115	1.05	.158	4	10.5	.55	322	.145	7	3.15	.012	.08	.1	.02	5.0	<.1	.06	11	<.5
00E 100N	.6	13.0	6.9	118	.1	4.0	10.6	980	3.34	3.5	.4	<.5	1.0	101	.4	.2	.1	111	.72	.088	5	7.0	.38	298	.150	3	2.23	.014	.09	.1	.03	4.3	<.1	.06	8	.6
~~L3100E 100N~~	~~.6~~	~~12.7~~	~~7.1~~	~~125~~	~~.1~~	~~3.7~~	~~10.7~~	~~1016~~	~~3.39~~	~~3.9~~	~~.4~~	~~<.5~~	1.1	106	.4	.1	.1	114	.76	.095	5	7.7	.39	332	.147	3	2.43	.015	.10	.1	.04	4.4	<.1	<.05	8	<.5
00E 75N	.5	81.9	5.9	70	.2	31.7	13.4	586	3.28	5.7	.6	3.6	1.9	77	.3	.3	.1	106	.58	.046	13	62.4	.67	182	.099	4	1.74	.014	.09	.1	.04	5.5	<.1	<.05	5	<.5
00E 50N	.6	70.1	6.4	73	.2	39.6	16.1	703	3.58	8.5	.5	.9	1.5	84	.4	.2	.1	100	.76	.106	10	73.5	.72	170	.078	4	1.99	.011	.12	.1	.03	5.0	<.1	<.05	6	<.5
00E 25N	.9	195.6	8.2	97	.7	44.8	17.7	1284	3.48	10.1	1.0	3.7	1.7	84	.9	.3	.1	97	1.07	.056	22	74.0	.91	262	.069	2	2.63	.014	.14	.1	.10	8.2	.1	.07	7	1.6
00E 0N	1.2	69.5	9.6	89	.2	47.8	19.7	681	4.13	14.6	.5	3.7	2.2	58	.1	.3	.2	122	.54	.126	11	72.2	.87	152	.090	3	2.71	.011	.12	.1	.06	4.7	.1	<.05	7	.6
50E 600N	.6	29.3	7.0	114	.1	19.6	11.4	789	3.59	4.5	.5	.6	1.1	152	.2	.2	.1	113	.39	.067	5	36.9	.50	236	.054	2	1.82	.010	.09	.1	.02	3.4	<.1	<.05	7	<.5
50E 575N	.4	50.4	5.3	71	.1	23.4	12.6	552	3.14	6.5	.5	1.7	1.6	59	.2	.2	.1	95	.49	.162	7	32.9	.65	279	.082	3	2.70	.010	.09	.1	.04	3.8	<.1	<.05	7	<.5
50E 550N	.6	26.4	7.5	89	.1	18.5	12.4	586	3.69	3.5	.4	<.5	.7	89	.2	.2	.2	117	.39	.090	5	31.4	.43	250	.073	3	2.05	.011	.08	.1	.02	3.1	<.1	<.05	8	<.5
50E 525N	.4	26.5	5.9	81	.1	17.7	17.5	943	4.16	4.7	.4	1.5	.9	262	.1	.2	.1	135	1.73	.064	4	18.3	1.02	652	.144	3	3.78	.023	.16	.1	.04	5.4	<.1	.06	8	<.5
50E 500N	.6	52.2	5.7	67	.2	11.7	13.9	633	3.93	8.3	.5	<.5	.7	64	.1	.2	.1	124	.46	.052	4	17.0	.70	346	.031	2	3.84	.015	.14	<.1	.03	4.3	.1	<.05	9	<.5
50E 475N	.6	26.4	5.0	105	.1	11.7	16.5	760	4.62	6.0	.3	<.5	.7	59	.1	.3	.1	138	.43	.145	3	14.4	.73	264	.031	3	4.02	.007	.19	<.1	.03	6.4	.1	<.05	9	<.5
50E 450N	.8	16.8	7.4	61	.1	6.3	5.3	557	2.72	2.2	.4	1.5	.8	55	.1	.2	.1	95	.43	.036	5	18.4	.18	151	.102	1	.90	.010	.07	.1	.02	2.0	<.1	<.05	5	<.5
50E 425N	.8	71.8	7.2	60	.1	15.7	10.7	592	3.19	7.6	.6	1.6	1.9	67	.1	.2	.1	115	.63	.048	9	24.2	.51	185	.112	3	1.94	.016	.07	.1	.02	4.0	<.1	<.05	6	<.5
50E 400N	.5	15.0	6.8	114	.1	9.4	11.8	1076	3.73	6.0	.4	4.3	1.2	50	.2	.1	.1	108	.62	.249	4	10.6	.57	346	.128	7	4.24	.024	.19	.1	.06	3.5	.1	<.05	11	<.5
50E 375N	.6	12.4	6.2	96	.1	4.9	9.6	1678	2.78	4.2	.3	.9	.8	95	.3	.2	.1	85	.74	.194	4	8.7	.32	508	.082	6	2.24	.024	.17	.1	.05	2.5	.1	<.05	9	<.5
IDARD DS5	12.1	136.0	24.3	130	.3	24.3	11.7	760	2.82	17.6	5.5	41.3	2.7	47	5.3	3.8	5.9	58	.72	.084	12	179.2	.65	136	.091	16	2.07	.032	.14	4.1	.16	3.6	1.0	<.05	6	4.7

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

Data FA

ACME ANALYTICAL

AMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
3150E 350N	.6	13.1	4.0	79	.1	6.9	11.2	1116	3.02	1.9	.3	1.5	.4	53	.1	.1	<.1	113	.48	.095	2	11.3	.85	242	.075	12	3.21	.037	.20	<.1	.03	2.8	.1	<.05	8	.5
3150E 325N	.7	15.6	6.7	89	<.1	7.3	9.8	1955	2.67	1.0	.2	1.5	.7	121	.3	.1	.1	94	.61	.063	4	12.0	.33	485	.094	2	1.92	.032	.10	.1	.03	2.2	.1	<.05	8	<.5
3150E 300N	.5	15.5	4.7	106	.1	6.2	9.5	1091	2.57	3.8	.4	3.0	.9	168	.2	.1	.1	74	.37	.442	3	10.3	.24	524	.095	1	3.30	.010	.10	.1	.05	2.4	<.1	<.05	8	<.5
3150E 275N	.5	73.0	5.9	49	<.1	21.1	11.3	424	2.71	2.7	.5	4.4	2.6	54	.1	.2	.1	94	.40	.082	10	46.1	.56	196	.107	3	1.72	.008	.07	.1	.02	3.0	<.1	<.05	5	.6
3150E 250N	.6	20.9	6.2	93	.1	9.8	11.3	683	2.62	1.6	.3	2.5	1.3	39	.2	.1	.1	82	.32	.288	4	15.9	.37	321	.097	3	3.15	.009	.14	.1	.02	3.6	.1	<.05	9	<.5
3150E 225N	.7	15.5	7.2	119	.1	3.4	9.9	623	3.73	2.7	.3	2.5	.8	36	.6	.2	.1	130	1.23	.045	4	7.4	.33	172	.164	12	2.12	.012	.07	.1	.02	5.2	<.1	<.05	11	<.5
3150E 200N	.7	10.1	8.2	123	.1	2.9	7.7	1552	3.11	.7	.3	1.5	.7	71	.5	.1	.1	111	.67	.039	4	8.6	.24	336	.129	5	1.63	.013	.08	.1	.02	2.7	<.1	<.05	9	<.5
3150E 175N	.6	19.7	5.6	104	<.1	10.0	9.3	702	2.58	2.9	.4	15.0	.9	145	.3	.2	<.1	87	1.02	.269	5	16.4	.39	695	.104	5	2.89	.010	.11	.1	.01	4.2	<.1	<.05	8	.5
3150E 150N	.6	23.0	5.8	87	<.1	18.1	10.3	453	2.47	2.5	.4	3.7	1.5	122	.2	.2	.1	89	.45	.105	6	33.2	.47	260	.085	4	1.58	.009	.09	.1	.02	3.0	<.1	<.05	6	<.5
3150E 125N	.5	38.3	6.3	79	<.1	16.5	10.2	541	2.99	3.5	.6	4.2	1.6	287	.1	.2	.1	126	.64	.069	7	37.3	.53	282	.109	5	1.87	.009	.09	.1	.02	3.5	<.1	<.05	6	<.5
3150E 100N	.7	17.6	7.5	70	.1	15.1	8.8	995	2.22	1.8	.3	1.5	1.1	88	.2	.2	.1	88	.63	.041	5	39.1	.34	210	.097	4	1.15	.011	.08	.1	.03	2.4	<.1	<.05	6	<.5
3150E 75N	1.0	20.5	7.2	87	<.1	17.5	11.1	786	2.77	2.5	.3	3.2	1.1	96	.2	.1	.1	105	.42	.057	5	42.2	.41	199	.102	4	1.63	.010	.09	.1	.01	3.1	<.1	<.05	6	.5
3150E 50N	.6	25.1	6.2	91	.1	16.6	11.1	457	3.30	3.6	.6	5.1	1.2	318	.2	.2	.1	120	.48	.095	6	39.2	.46	291	.085	3	1.63	.009	.09	.1	.01	3.2	<.1	<.05	6	<.5
3150E 25N	1.1	428.5	10.4	99	1.2	79.7	27.8	1602	4.89	13.8	1.6	10.2	3.1	149	1.3	.3	.2	132	1.36	.074	18	98.7	1.70	542	.065	6	5.60	.021	.25	.1	.17	14.0	.1	<.05	15	1.3
3150E 0N	.6	552.3	7.0	78	.1	34.3	15.8	1255	3.09	6.6	.8	4.9	2.2	68	.5	.3	.1	103	.89	.064	17	63.0	.84	206	.117	4	2.17	.016	.09	.1	.05	5.8	.1	<.05	6	<.5
E L3150E 0N	.8	578.0	6.4	81	.1	36.9	16.9	1205	3.25	6.7	.8	3.8	2.3	71	.6	.3	.1	104	.89	.063	17	64.7	.84	206	.109	5	2.15	.016	.09	.1	.04	5.6	.1	<.05	6	.9
3200E 600N	.5	73.2	5.8	74	.1	25.5	15.7	686	3.52	4.4	.5	2.7	1.9	91	.1	.2	.1	114	.78	.048	6	41.3	.86	230	.105	5	3.21	.023	.10	.1	.02	6.6	.1	<.05	8	<.5
3200E 575N	.5	45.6	5.2	67	.1	20.1	14.3	685	3.11	5.0	.5	3.6	2.3	289	.1	.2	.1	119	.99	.054	8	38.4	.71	417	.145	5	2.94	.172	.11	.1	.03	5.7	<.1	<.05	7	.8
3200E 550N	.3	22.2	5.6	103	.1	19.0	10.5	664	2.39	2.3	.4	2.1	1.6	38	.2	.2	.1	90	.40	.161	8	37.6	.38	221	.096	3	1.76	.010	.07	.1	.03	3.3	<.1	<.05	6	<.5
3200E 525N	.4	37.8	5.8	80	.1	21.8	12.9	803	3.34	4.0	.6	3.9	1.6	105	.2	.3	.1	125	.81	.031	7	45.7	.65	238	.119	5	2.18	.015	.08	.1	.03	4.6	<.1	<.05	6	<.5
3200E 500N	.6	27.9	5.9	112	.1	35.9	13.3	508	3.30	3.5	.5	4.1	1.2	181	.1	.2	.1	110	.40	.081	6	42.7	.75	333	.051	3	2.35	.011	.08	.1	.01	3.6	.1	<.05	8	<.5
3200E 475N	.5	27.3	4.3	91	.1	21.6	13.7	1752	2.76	4.2	.4	.6	1.6	90	.2	.1	.1	86	.49	.183	6	33.6	.64	633	.088	2	3.44	.015	.11	.1	.04	4.2	<.1	<.05	9	.5
3200E 450N	.8	16.4	5.2	118	.1	9.2	11.8	983	3.27	4.0	.4	3.1	.6	46	.2	.1	.1	113	.43	.313	3	14.9	.52	326	.077	5	3.57	.009	.19	<.1	.05	3.6	.1	<.05	11	<.5
3200E 425N	.3	41.0	2.3	74	<.1	6.6	18.4	922	3.71	4.0	.4	3.3	1.3	251	.1	.1	<.1	156	.71	.050	6	10.8	1.10	481	.146	5	3.73	.108	.17	<.1	.03	8.9	.1	<.05	7	<.5
3200E 400N	.4	46.1	7.6	164	.3	27.9	13.8	751	3.76	4.1	.4	1.7	.9	71	.3	.2	.1	111	.66	.353	5	26.7	.71	413	.099	5	3.82	.009	.16	.1	.03	4.5	.1	<.05	13	<.5
3200E 375N	.5	39.0	3.4	58	.1	9.8	13.6	706	2.68	5.0	.3	.9	.8	154	.1	.1	<.1	112	1.48	.101	3	14.0	.64	322	.109	1	5.15	.026	.18	.1	.05	4.0	<.1	<.05	11	.6
3200E 350N	.6	16.2	4.8	86	.1	9.5	12.6	598	3.90	2.7	.3	.6	.7	64	<.1	.1	.1	148	.39	.190	3	13.5	.87	268	.113	7	4.08	.015	.14	.1	.04	3.7	.1	<.05	13	.5
3200E 325N	.6	13.0	6.3	85	<.1	9.5	9.9	752	3.75	1.5	.3	1.2	1.4	56	.2	.2	.1	133	.46	.054	5	18.6	.43	265	.141	3	1.81	.011	.17	.1	.02	2.8	.1	.08	9	<.5
3200E 300N	.7	25.9	7.3	80	.1	18.1	11.9	764	3.43	4.1	.4	4.3	1.3	75	.2	.3	.1	120	.78	.138	6	28.9	.51	222	.128	3	2.60	.011	.10	.1	.03	4.5	.1	<.05	11	.6
3200E 275N	.7	11.5	7.5	126	<.1	4.4	8.8	1064	4.59	2.4	.3	3.5	1.0	27	.3	.1	.1	141	.71	.043	5	9.3	.26	166	.187	6	1.53	.017	.08	.1	.01	3.8	<.1	.08	9	<.5
3200E 250N	.4	19.3	6.4	65	<.1	13.4	9.0	369	3.29	1.2	.4	.5	1.8	44	.2	.2	.1	104	.38	.044	9	37.5	.31	152	.140	4	1.34	.010	.05	.1	.01	2.7	<.1	.06	7	<.5
3200E 225N	.7	27.7	7.5	119	.1	11.6	11.9	811	4.36	2.8	.5	2.3	1.4	64	.3	.2	.1	131	.69	.135	6	20.3	.50	339	.149	6	2.98	.012	.14	.1	.05	3.6	<.1	<.05	12	.5
3200E 200N	.5	27.0	6.7	125	<.1	10.0	12.3	993	4.31	2.2	.3	<.5	1.4	56	.6	.1	.1	135	1.39	.082	6	21.8	.40	416	.183	13	2.35	.012	.10	.1	<.01	4.1	.1	.07	11	<.5
3200E 175N	.6	34.2	6.0	144	<.1	12.9	11.6	711	3.88	2.0	.4	<.5	1.6	53	.3	.1	.1	115	.59	.185	7	27.6	.41	418	.126	4	2.32	.010	.07	.1	.01	3.5	<.1	<.05	9	.5
TANDARD DS5	12.7	145.7	23.5	143	.2	26.2	12.6	753	2.93	17.9	6.2	39.6	2.9	45	5.4	3.7	5.9	62	.70	.088	13	191.8	.65	133	.105	17	2.11	.031	.14	4.9	.17	3.5	1.1	<.05	8	5.4

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

Data FA

Glengarry Dev. Corp. FILE # A303979

PLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
00E 150N	.9	9.3	9.3	127	.1	7.8	8.0	1086	3.96	1.2	.3	2.5	.8	78	.3	.1	.1	129	.58	.066	4	7.8	.29	418	.119	2	1.72	.011	.09	<.1	.04	2.6	<.1	<.05	8	<.5
00E 125N	1.0	12.4	8.8	92	<.1	6.4	5.9	924	3.16	1.2	.3	1.3	1.0	31	.2	.2	.1	91	.35	.041	5	14.8	.15	157	.136	2	.78	.013	.06	.1	.02	1.6	<.1	<.05	6	<.5
00E 100N	.9	61.7	7.7	146	.1	38.5	16.7	1113	3.79	4.6	.5	4.3	1.5	99	.2	.2	.1	116	.65	.219	6	59.4	.70	319	.076	4	2.65	.011	.11	.2	.05	4.1	.1	<.05	9	<.5
00E 75N	.6	15.0	6.1	41	.1	9.7	5.7	401	2.75	1.7	.3	<.5	.9	54	.1	.2	.1	91	.36	.026	5	43.3	.15	78	.104	1	.62	.008	.06	.1	.02	1.6	<.1	<.05	4	<.5
00E 50N	.5	31.2	5.6	60	.1	18.9	9.6	533	2.97	3.1	.5	.5	.7	481	.3	.1	.1	98	.90	.032	5	40.9	.38	268	.059	3	1.52	.012	.07	.1	.06	2.7	<.1	<.05	5	<.5
00E 25N	.5	83.6	5.2	59	.1	14.4	12.0	1428	3.30	8.1	.7	4.4	1.9	1258	.1	.2	.1	89	2.99	.094	11	20.3	.53	588	.022	3	1.86	.041	.16	.1	.04	5.4	<.1	<.05	4	<.5
25E 150N	.6	17.0	8.5	103	.1	5.1	5.9	629	3.81	1.8	.3	<.5	.9	46	.3	.1	.1	129	.44	.058	4	12.2	.21	178	.155	3	1.48	.012	.06	<.1	.03	2.5	<.1	<.05	8	<.5
25E 125N	.6	38.2	7.5	99	.1	8.2	8.9	608	3.35	1.8	.5	<.5	.8	53	.1	.2	.1	109	.52	.036	6	13.7	.51	291	.148	<1	2.15	.017	.05	.1	.06	4.4	<.1	<.05	7	<.5
25E 100N	.4	44.6	7.4	89	.2	7.7	8.7	862	3.46	2.3	1.0	1.8	1.3	98	.1	.2	.1	116	.61	.024	11	11.0	.54	209	.145	<1	1.80	.018	.06	.2	.05	5.8	<.1	<.05	5	<.5
25E 75N	.6	23.4	6.0	80	.1	5.1	8.4	722	3.25	1.8	.3	.9	.7	715	.2	.1	.1	112	.74	.031	6	14.2	.43	429	.052	1	1.96	.014	.06	.1	.04	3.3	<.1	<.05	7	<.5
25E 50N	.5	69.0	5.0	83	.1	19.7	9.5	934	2.73	4.3	.5	1.8	1.1	158	.5	.1	.1	87	.92	.081	5	37.9	.42	221	.070	2	1.65	.008	.08	.1	.07	2.5	<.1	<.05	4	<.5
25E 25N	.7	130.9	5.8	75	.2	19.8	13.3	1291	3.40	11.9	.8	3.3	2.0	163	.4	.3	.1	112	1.07	.140	20	31.1	.54	235	.052	8	1.77	.016	.15	.3	.07	5.5	<.1	<.05	5	.5
25E 0N	.7	279.0	8.4	43	.1	10.0	7.8	1072	2.77	11.7	.6	20.1	1.6	227	.3	.2	.1	80	5.02	.122	12	15.3	.33	674	.020	4	1.07	.026	.17	.9	.06	4.8	<.1	.19	3	<.5
50E 600N	.7	45.7	5.7	54	.1	19.4	12.3	461	3.05	11.5	.7	10.3	1.2	89	.1	.2	.1	94	1.26	.069	8	38.8	.56	149	.081	2	2.76	.013	.05	.2	.07	4.3	<.1	<.05	6	<.5
50E 575N	.5	80.0	7.2	84	.1	29.4	17.9	994	3.68	6.6	.7	2.1	2.0	75	.3	.2	.1	132	1.03	.051	8	56.5	.83	192	.106	5	2.30	.026	.08	.1	.07	6.7	.1	<.05	7	.7
50E 550N	.3	56.1	18.2	73	.1	23.5	13.4	596	3.60	3.7	.5	5.0	1.7	79	.1	.2	.1	121	.58	.065	11	48.7	.59	140	.122	2	1.95	.014	.07	.1	.03	3.9	<.1	<.05	6	<.5
50E 525N	.4	37.3	5.7	80	.1	21.7	11.3	589	3.39	3.5	.5	2.9	1.6	50	.2	.2	.1	113	.61	.054	10	49.9	.53	132	.116	1	1.58	.013	.08	.1	.04	3.5	<.1	<.05	6	<.5
50E 500N	.4	25.2	4.9	63	.1	16.9	9.0	522	2.86	3.2	.4	6.3	1.6	33	.1	.2	.1	88	.36	.093	9	34.5	.34	180	.109	<1	1.42	.010	.06	.1	.03	2.6	<.1	<.05	5	<.5
50E 475N	.6	20.2	6.1	96	.1	17.4	9.9	578	3.62	3.2	.5	2.0	1.0	101	.2	.2	.1	117	.42	.064	6	40.5	.40	197	.079	1	1.63	.010	.07	.1	.03	3.0	<.1	<.05	6	<.5
50E 450N	.6	22.5	6.0	87	.1	23.1	11.5	402	3.54	3.1	.4	1.2	1.7	40	.1	.2	.1	107	.29	.123	7	48.0	.45	158	.099	1	1.90	.009	.07	.1	.02	3.0	<.1	<.05	7	<.5
50E 425N	.5	10.3	6.2	130	.1	4.6	10.5	845	3.35	2.7	.4	<.5	.9	31	.2	.1	.1	112	.85	.097	4	6.2	.52	278	.107	2	2.61	.012	.11	.1	.05	3.8	<.1	<.05	10	<.5
50E 400N	.7	22.1	5.6	95	.1	9.0	8.2	436	3.12	3.1	.4	<.5	1.0	32	.3	.2	.1	96	.66	.102	5	14.3	.33	282	.095	4	2.76	.011	.06	.1	.04	3.4	.1	<.05	9	<.5
0250E 400N	.9	23.1	5.5	103	.1	10.0	8.4	441	3.15	3.3	.4	<.5	1.0	32	.2	.1	.1	92	.67	.097	4	13.7	.32	265	.091	4	2.71	.011	.06	.1	.04	3.3	.1	<.05	10	<.5
50E 375N	.3	45.3	4.6	58	.1	24.2	11.4	612	3.28	4.2	.4	1.5	1.4	221	.1	.2	.1	100	.83	.073	6	33.6	.65	1741	.108	2	2.52	.020	.11	.1	.13	4.1	<.1	<.05	6	<.5
50E 350N	.7	39.7	6.4	106	.1	63.1	13.8	820	3.36	3.3	.4	<.5	1.2	62	.2	.2	.1	101	.51	.216	5	38.5	.76	284	.118	1	2.36	.008	.09	.1	.03	3.1	<.1	<.05	9	<.5
50E 325N	.7	45.3	5.2	103	.1	19.3	11.1	647	3.61	3.7	.5	1.9	1.5	47	.2	.2	.1	111	.74	.176	6	24.3	.57	371	.120	3	3.20	.010	.11	.1	.04	4.0	.1	<.05	10	<.5
50E 300N	.4	14.7	7.7	97	.1	7.2	9.4	1402	3.27	2.3	.3	<.5	1.0	50	.2	.1	.1	111	.54	.078	5	14.9	.31	338	.125	<1	1.78	.010	.10	.1	.03	2.9	<.1	<.05	6	<.5
50E 275N	1.0	72.5	6.9	85	.1	18.2	9.7	365	2.99	2.9	.6	.7	1.7	28	.1	.2	.1	106	.38	.058	9	35.5	.36	87	.100	1	1.62	.009	.06	.2	.03	2.6	<.1	<.05	6	<.5
50E 250N	.7	14.9	6.4	110	.1	13.6	9.9	826	3.62	3.6	.4	.5	1.5	42	.2	.2	.1	100	.49	.212	6	28.3	.49	314	.124	1	2.59	.010	.09	.1	.04	3.3	<.1	<.05	10	<.5
50E 225N	.4	24.0	5.5	78	<.1	18.7	11.3	603	3.20	2.7	.4	2.7	1.7	39	.1	.2	.1	91	.69	.116	7	37.0	.52	221	.100	4	2.13	.008	.10	.1	.02	3.0	<.1	<.05	7	<.5
50E 200N	.4	31.2	7.0	106	<.1	15.9	11.7	1562	3.29	2.2	.3	.5	1.4	56	.2	.1	.1	94	.48	.134	6	32.6	.37	270	.110	1	2.21	.011	.08	.1	.02	3.1	.1	<.05	8	<.5
50E 175N	.5	43.6	5.0	76	<.1	16.3	11.1	484	3.49	2.9	.4	<.5	1.7	58	.1	.2	.1	110	.57	.100	7	35.3	.49	238	.118	1	2.60	.010	.07	.1	.03	3.7	<.1	<.05	8	<.5
50E 150N	.7	71.2	6.6	138	<.1	12.3	12.3	1228	3.74	3.4	.4	1.7	1.0	132	.2	.1	.1	122	.77	.098	4	25.1	.42	401	.130	3	2.84	.012	.12	.1	.03	3.6	.1	<.05	9	<.5
50E 125N	.4	39.1	5.5	78	.1	9.5	10.2	644	3.04	2.8	.4	1.6	1.1	117	.2	.2	.1	113	.67	.039	7	22.9	.55	193	.183	2	1.93	.013	.06	.1	.03	4.1	<.1	<.05	6	<.5
IDARD DS5	13.7	147.2	23.9	146	.2	25.9	12.8	792	3.08	18.9	6.3	42.0	3.0	47	5.1	3.5	5.9	63	.72	.090	12	189.3	.63	130	.105	18	2.12	.033	.14	5.2	.16	3.4	1.0	<.05	7	5.0

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

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
50E 100N	.8	6.5	5.5	88	.1	2.8	7.5	777	3.20	4.2	.2	<.5	.7	837	.1	.2	.1	90	.51	.059	2	6.2	.47	666	.057	1	2.28	.016	.12	.4	.04	3.4	<.1	<.05	5	<.5
50E 50N	.6	24.0	5.8	69	.2	12.9	9.0	807	2.44	3.1	.3	<.5	.7	132	.3	.1	.1	83	.54	.043	5	34.7	.43	177	.055	2	1.55	.011	.07	<.1	.05	3.0	.1	<.05	5	<.5
50E 25N	.7	11.6	7.2	53	.3	8.7	5.6	1408	2.09	1.4	.3	<.5	.9	53	.4	.2	.2	58	.52	.025	5	28.5	.18	213	.066	3	.65	.007	.08	.1	.06	1.7	<.1	<.05	3	.5
50E 0N	.7	105.2	6.7	62	.2	29.9	14.1	834	3.32	8.9	.6	3.2	1.9	134	.3	.3	.1	106	.77	.092	13	54.1	.81	229	.071	6	2.17	.017	.12	.2	.06	5.9	<.1	<.05	6	.8
0E 600N	.6	106.8	6.6	61	.3	38.9	14.7	777	3.36	6.7	1.2	<.5	1.5	59	.2	.3	.1	120	.95	.042	15	53.1	.94	233	.094	2	2.20	.016	.07	.1	.06	6.4	<.1	<.05	6	.7
0E 575N	.4	109.6	8.4	64	.3	19.8	10.9	498	2.93	5.9	.7	<.5	1.1	47	.2	.2	.1	109	.73	.052	11	36.7	.55	190	.067	2	2.30	.012	.06	.1	.05	5.3	<.1	<.05	6	.9
0E 550N	.6	74.0	6.0	65	.1	26.8	16.2	949	3.79	5.4	.6	1.5	1.9	76	.1	.2	.1	125	1.10	.097	11	48.0	.99	232	.141	8	2.38	.040	.15	.2	.05	6.8	<.1	<.05	6	<.5
0E 525N	.6	60.0	7.1	68	.1	31.3	15.8	565	3.86	5.1	.5	1.8	1.9	56	.2	.2	.1	123	.63	.133	8	60.6	.91	119	.127	2	2.47	.014	.10	.2	.07	4.3	<.1	<.05	8	.5
0E 500N	.8	54.8	7.0	107	.2	31.7	15.8	610	4.31	5.9	.6	1.6	1.3	75	.3	.2	.1	137	.50	.255	6	75.6	.73	167	.092	3	2.88	.012	.10	.1	.04	5.1	<.1	<.05	8	<.5
0E 475N	.4	30.3	5.9	82	.1	21.6	14.2	884	3.79	4.6	.4	.5	1.6	108	.1	.2	.1	128	.68	.068	7	38.8	.69	271	.151	4	1.97	.015	.09	.3	.01	5.4	<.1	<.05	6	<.5
0E 450N	.5	19.1	6.6	120	.1	12.6	9.7	733	3.26	2.6	.4	<.5	1.1	48	.3	.2	.1	105	.57	.121	5	21.8	.50	192	.093	2	2.45	.013	.08	.1	.05	3.7	<.1	<.05	8	<.5
0E 425N	.8	11.0	6.8	107	.1	7.0	8.5	788	3.26	3.4	.4	1.3	1.0	53	.2	.2	.1	100	.68	.101	5	14.9	.45	353	.104	3	2.09	.014	.10	.1	.03	3.9	<.1	<.05	9	<.5
0E 400N	.7	36.8	6.1	123	.1	36.7	14.3	709	3.83	3.3	.4	2.4	1.1	77	.1	.1	.1	110	.54	.169	5	40.1	.83	253	.081	3	3.49	.010	.11	.1	.03	4.5	<.1	<.05	9	<.5
0E 375N	.8	12.2	5.6	110	.2	4.8	8.7	1100	2.88	5.0	.3	3.7	.7	40	.2	.2	.1	87	1.30	.190	3	8.9	.28	539	.093	8	2.81	.012	.15	.1	.07	4.4	<.1	<.05	9	<.5
0E 350N	.6	15.2	5.5	89	.1	7.2	11.6	838	3.80	5.6	.4	1.0	.9	58	.4	.2	.1	126	1.60	.084	4	7.5	.49	939	.154	13	2.91	.013	.09	.1	.04	5.6	<.1	<.05	9	<.5
0E 325N	.5	40.9	5.4	67	.1	13.2	9.1	554	2.96	2.6	.5	2.2	1.6	65	.1	.2	.1	105	.71	.050	8	24.7	.44	230	.134	3	1.87	.011	.08	.1	.02	3.8	<.1	<.05	6	<.5
0E 300N	.6	25.4	7.3	106	.1	13.0	9.4	722	3.11	3.1	.3	1.6	1.3	60	.2	.2	.1	89	.50	.277	5	23.8	.40	344	.091	2	2.59	.011	.10	.1	.04	3.4	<.1	<.05	9	.5
:3300E 300N	.7	26.3	7.6	113	.1	14.1	10.2	753	3.31	3.4	.4	1.8	1.3	64	.2	.2	.1	97	.51	.299	5	24.9	.42	345	.097	<1	2.71	.011	.10	.2	.04	3.8	<.1	<.05	10	<.5
0E 275N	.6	36.0	6.6	121	.1	15.6	10.9	771	3.34	3.0	.4	4.4	1.0	67	.1	.2	.1	105	.58	.137	5	32.3	.49	333	.084	1	2.46	.010	.12	.1	.03	4.0	<.1	<.05	10	<.5
0E 250N	.6	18.3	5.4	112	.1	10.2	10.2	673	3.34	4.5	.4	1.2	1.0	74	.2	.2	.1	95	.97	.254	4	19.9	.42	396	.098	6	3.43	.011	.10	.1	.03	3.9	.1	<.05	11	<.5
0E 225N	.5	7.2	6.0	79	<.1	6.1	8.3	531	3.05	1.3	.3	2.1	.9	108	.3	.1	.1	99	1.10	.040	4	15.5	.28	461	.109	7	1.78	.012	.07	.1	.01	3.0	<.1	<.05	7	<.5
0E 200N	.4	11.2	6.9	110	<.1	11.1	8.9	692	3.18	2.2	.4	.6	1.3	53	.1	.1	.1	86	.39	.161	6	22.7	.46	266	.113	1	2.65	.013	.08	.1	.04	3.3	.1	<.05	11	<.5
0E 175N	.4	15.8	6.3	89	.1	12.7	10.1	530	3.05	1.7	.4	.5	1.4	49	.1	.1	.1	105	.46	.077	8	27.4	.49	178	.126	2	2.09	.011	.07	.1	.02	3.1	<.1	<.05	8	<.5
0E 150N	.7	23.5	6.3	67	<.1	16.5	9.7	425	2.71	1.3	.3	<.5	1.5	44	<.1	.1	.1	81	.37	.098	7	37.4	.39	180	.092	2	1.69	.008	.08	.1	.04	2.9	<.1	<.05	6	.5
0E 125N	.4	25.9	4.9	124	.1	7.0	14.2	1094	3.94	4.2	.4	2.3	.7	160	.2	.2	<.1	133	1.48	.098	4	10.3	.59	506	.177	5	3.77	.014	.12	.1	.02	7.9	<.1	<.05	10	<.5
0E 100N	.8	27.0	7.6	154	.1	10.4	11.4	1819	3.54	1.8	.4	<.5	.9	170	.3	.2	.1	116	.52	.222	4	15.7	.49	521	.131	1	2.77	.015	.12	.1	.05	4.1	<.1	<.05	9	<.5
0E 75N	.4	24.9	6.0	172	.2	7.6	11.2	989	4.13	1.7	.3	1.4	.6	721	.6	.2	.1	130	.63	.048	3	19.7	.75	704	.091	5	2.34	.012	.19	.3	.02	4.3	<.1	<.05	7	<.5
0E 50N	.5	71.3	5.6	47	.1	15.2	11.7	545	3.10	5.3	.5	5.8	1.7	1067	.1	.2	.1	105	.49	.050	10	34.5	.53	476	.081	3	1.75	.019	.09	.1	.03	3.5	<.1	<.05	4	<.5
0E 25N	.8	60.4	6.2	94	.2	27.6	12.7	780	3.23	5.1	.4	2.6	.8	64	.2	.2	.1	97	.53	.219	6	57.5	.53	171	.065	3	2.29	.011	.08	.1	.10	3.0	<.1	<.05	6	.6
0E 0N	.6	62.2	5.6	64	.1	16.0	9.0	309	2.93	3.6	.4	2.3	1.5	34	.2	.2	.1	91	.33	.092	8	37.3	.36	70	.088	2	1.51	.008	.06	.1	.02	2.6	<.1	<.05	5	<.5
0E 600N	1.4	39.4	6.1	92	.3	9.4	4.7	460	2.42	3.1	.4	1.6	.4	85	.2	.2	.1	76	1.31	.097	4	41.9	.11	265	.069	5	.52	.006	.05	.2	.04	2.1	<.1	.06	4	.6
0E 575N	.6	60.7	6.3	61	.1	41.7	17.4	634	3.89	8.2	.6	3.9	1.7	73	.1	.3	.1	136	.80	.076	9	75.4	.91	240	.107	3	2.25	.022	.09	.2	.03	4.8	<.1	<.05	6	<.5
0E 550N	.5	41.3	5.7	87	.1	23.7	13.9	552	3.22	4.5	.4	1.6	1.4	46	.1	.2	.1	103	.53	.090	7	49.5	.59	212	.094	2	2.13	.011	.06	.1	.03	3.8	<.1	<.05	5	<.5
0E 525N	.3	46.3	5.0	63	.1	31.0	13.5	394	3.30	5.1	.5	2.0	1.4	63	.1	.2	.1	103	.66	.079	7	39.4	.75	307	.094	3	2.90	.015	.08	.2	.03	4.5	<.1	<.05	7	.5
DARD DS5	12.9	142.2	24.0	130	.3	23.2	12.0	777	2.86	18.6	5.9	39.9	2.7	47	5.6	3.8	6.0	61	.72	.083	12	178.1	.69	135	.093	16	2.10	.034	.14	4.5	.18	3.6	1.0	<.05	6	4.6

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

Data FA

AMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
3350E 500N	.4	27.9	7.3	90	.1	17.9	9.6	401	3.69	3.8	.4	2.6	1.5	35	.2	.2	.1	107	.31	.223	5	46.4	.47	140	.120	3	2.28	.009	.07	.2	.02	3.1	<.1	<.05	9	<.5
3350E 475N	.5	35.8	6.1	83	.1	30.5	13.2	627	3.93	4.6	.5	<.5	1.5	51	.2	.2	.1	110	.70	.120	5	44.2	.72	219	.125	3	2.84	.012	.07	.2	.04	3.9	<.1	<.05	9	<.5
3350E 450N	.5	25.1	7.1	66	.1	19.9	10.8	410	4.03	4.5	.4	<.5	1.5	64	.1	.1	.1	130	.42	.066	6	56.9	.44	163	.110	3	1.62	.011	.05	.1	.02	2.8	<.1	<.05	7	<.5
3350E 425N	.4	64.4	5.8	63	.1	25.9	14.7	591	3.99	4.3	.5	1.5	2.2	58	<.1	.2	.1	128	.76	.086	8	57.4	.87	333	.127	5	2.52	.012	.09	.2	.04	3.9	<.1	<.05	7	.8
3350E 400N	.5	31.5	5.8	60	.1	27.4	13.8	325	3.74	3.7	.5	9.8	2.4	41	<.1	.2	.1	108	.33	.105	9	59.4	.72	150	.108	3	2.09	.010	.05	.2	.02	3.1	<.1	<.05	6	<.5
3350E 375N	.6	13.4	6.8	120	.1	7.3	11.8	1332	4.34	3.3	.3	<.5	1.0	44	.2	.2	.1	125	1.28	.130	4	17.5	.41	396	.169	10	2.51	.023	.14	.1	.04	4.4	<.1	<.05	10	<.5
3350E 350N	.4	16.5	4.9	115	.1	1.7	12.7	1114	4.77	6.7	.4	9.0	1.4	41	.2	.1	<.1	155	1.43	.151	3	2.8	.31	347	.190	11	3.34	.012	.12	.1	.05	7.1	.1	<.05	8	<.5
3350E 325N	.7	52.1	9.6	116	.1	26.8	14.7	568	4.34	5.0	.6	<.5	1.3	140	.1	.2	.2	127	.65	.237	5	50.1	.66	342	.045	3	2.83	.009	.13	.1	.01	3.8	.1	<.05	9	<.5
3350E 300N	.4	21.2	5.0	66	<.1	17.0	11.1	613	3.60	3.9	.5	2.9	1.5	84	.1	.2	.1	111	1.00	.131	6	27.8	.69	908	.123	4	2.86	.011	.08	.2	.04	4.2	<.1	<.05	9	<.5
3350E 275N	.5	11.5	6.2	108	.1	13.1	10.0	1055	3.48	3.0	.4	<.5	.9	64	.2	.2	.1	97	.91	.293	4	17.7	.47	912	.141	3	3.02	.015	.08	.2	.05	3.4	<.1	<.05	12	<.5
3350E 250N	.4	26.2	6.2	100	<.1	16.2	11.0	543	3.32	2.3	.4	1.9	1.5	110	<.1	.1	.1	98	.53	.151	6	33.7	.52	378	.099	3	2.51	.010	.10	.1	.01	3.1	.1	<.05	8	<.5
3350E 225N	.4	16.9	6.5	90	.1	12.1	10.1	785	3.21	2.3	.3	<.5	1.3	79	.1	.1	.1	91	.50	.158	5	22.9	.43	375	.105	2	2.41	.010	.09	.2	.02	3.2	<.1	<.05	7	<.5
3350E 200N	.6	10.2	7.2	113	.1	9.8	9.5	1294	3.54	2.4	.3	<.5	1.2	64	.1	.1	.1	109	.62	.174	4	19.3	.38	419	.151	2	2.56	.017	.13	.1	.04	3.8	<.1	<.05	9	<.5
3350E 175N	.7	13.7	6.1	96	.1	15.2	9.7	912	3.18	2.2	.3	<.5	2.4	39	.1	.3	.1	90	.29	.165	7	26.0	.37	299	.109	3	2.64	.010	.10	.1	.03	3.9	.1	<.05	8	<.5
3350E 150N	.4	11.7	5.7	132	<.1	5.1	11.4	1144	3.76	2.6	.3	<.5	1.0	239	.2	.1	<.1	137	1.43	.082	4	10.9	.36	596	.193	8	2.79	.012	.12	.1	.03	5.0	<.1	<.05	9	<.5
3350E 125N	.5	9.6	7.3	110	<.1	7.2	9.5	838	3.37	2.1	.3	<.5	1.1	77	.3	.1	.1	114	.62	.044	5	12.7	.36	389	.150	4	2.21	.012	.05	.1	.01	3.3	<.1	<.05	9	<.5
3350E 100N	.6	97.3	7.1	88	.1	16.4	15.1	1434	4.02	4.5	.4	.6	1.3	451	.2	.2	.1	127	.84	.104	4	36.2	.82	487	.113	3	3.05	.014	.12	.3	.04	4.9	<.1	<.05	7	<.5
3350E 75N	.6	23.2	4.8	89	<.1	4.1	11.5	1037	4.13	2.7	.3	1.0	.7	881	.1	.2	<.1	120	.67	.055	2	8.3	.90	598	.052	4	2.64	.012	.11	.5	.02	5.3	<.1	<.05	9	<.5
3350E 50N	.5	31.6	5.3	73	.1	13.5	8.4	328	2.79	2.5	.4	<.5	1.6	36	.1	.2	.1	90	.32	.065	8	42.6	.36	98	.101	2	1.06	.009	.04	.1	.02	2.3	<.1	<.05	4	<.5
3350E 25N	1.4	67.0	5.6	53	.4	2.8	7.2	270	3.45	18.7	.7	.8	.8	43	.2	.6	<.1	121	.25	.072	5	6.3	.25	147	.023	9	1.15	.011	.16	.4	.02	2.3	.1	<.05	5	1.0
3350E 0N	.9	28.6	5.4	63	.2	12.2	8.0	651	2.79	3.3	.3	.5	.8	44	.4	.1	.1	92	.39	.032	7	44.2	.23	149	.097	2	.80	.008	.06	.1	.02	1.9	<.1	.10	5	<.5
E L3350E 0N	.8	30.3	6.0	64	.2	12.0	8.1	633	2.77	3.4	.4	<.5	.9	47	.4	.2	.1	96	.40	.034	7	45.9	.24	157	.097	3	.82	.009	.07	.1	.04	2.2	<.1	.11	5	<.5
3400E 600N	1.5	141.1	8.0	64	.3	32.9	18.3	1235	3.96	8.8	1.5	2.8	1.6	74	.3	.2	.1	142	.91	.051	13	65.3	.85	507	.098	3	2.70	.022	.06	.2	.17	6.7	.1	<.05	7	<.5
3400E 575N	6.1	63.7	6.1	99	.3	22.5	10.4	704	3.44	5.1	.7	41.5	.6	23	.2	.1	.1	84	.26	.575	6	52.3	.45	169	.055	3	2.65	.007	.07	.1	.07	3.2	<.1	<.05	7	<.5
3400E 550N	2.4	121.5	7.7	113	.3	31.0	16.8	1751	3.40	6.0	.8	.6	.5	80	.3	.2	.1	97	1.13	.126	12	53.8	.69	517	.069	4	2.75	.013	.09	.2	.10	4.6	.1	.06	7	<.5
3400E 525N	.7	48.4	6.0	58	.1	23.5	11.7	653	3.38	4.5	.5	1.3	2.5	56	.2	.2	.1	107	.60	.048	11	49.3	.61	211	.125	3	1.68	.016	.05	.2	.05	4.5	<.1	<.05	5	<.5
3400E 500N	.7	72.9	6.4	63	.1	21.1	14.3	718	3.52	4.9	.7	1.7	2.0	53	.2	.2	.1	117	.63	.064	10	51.7	.67	133	.114	3	2.04	.014	.06	.1	.02	4.3	<.1	<.05	6	<.5
3400E 475N	.6	54.9	6.2	90	.2	25.4	16.1	885	4.09	5.3	6.4	1.8	9.3	65	.2	.2	.1	151	.66	.050	9	64.9	.75	150	.134	3	1.87	.021	.06	.4	.04	5.6	.1	<.05	6	<.5
3400E 450N	.7	59.9	6.6	94	.3	32.2	16.9	782	3.70	5.1	.5	2.7	1.4	74	.2	.2	.1	123	.86	.066	7	58.5	.80	194	.112	3	2.91	.017	.07	.1	.05	5.2	.1	<.05	7	<.5
3400E 425N	.6	28.1	6.5	96	.1	15.1	10.1	577	3.43	3.7	.4	<.5	1.3	40	.1	.2	.1	102	.38	.111	5	38.2	.38	221	.111	3	1.68	.009	.08	.2	.04	3.0	<.1	<.05	7	<.5
3400E 400N	.5	31.3	5.8	99	.1	17.8	12.2	1125	3.19	2.7	.4	<.5	1.5	55	.2	.2	.1	105	.45	.058	7	44.5	.51	286	.120	3	1.63	.010	.06	.1	.01	3.2	<.1	<.05	5	<.5
3400E 375N	.6	59.4	6.7	110	.1	27.8	16.1	700	3.95	4.6	.5	14.1	1.6	60	.2	.2	.1	122	.58	.154	7	64.2	.67	177	.108	3	2.24	.010	.08	.1	.04	3.8	.1	<.05	8	<.5
3400E 350N	.6	14.9	7.1	175	.1	11.7	10.2	1482	3.61	2.6	.3	.5	1.0	77	.3	.1	.1	101	.51	.143	4	21.4	.35	425	.109	2	1.99	.010	.08	.1	.03	3.0	.1	<.05	9	<.5
3400E 325N	.4	27.2	4.9	118	.1	10.5	11.5	1039	3.59	3.5	.5	1.1	.9	490	.3	.2	<.1	130	1.09	.224	5	12.7	.43	1244	.186	4	3.53	.015	.15	.2	.04	4.6	<.1	<.05	8	<.5
TANDARD DS5	13.3	146.8	23.8	138	.3	25.4	12.3	739	3.07	18.5	5.7	42.0	2.8	46	5.4	3.5	5.8	64	.73	.090	11	193.0	.68	132	.105	17	2.12	.033	.13	5.1	.17	3.4	1.1	<.05	6	4.9

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

Data FA

PLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
00E 300N	.6	15.2	4.5	105	.1	7.6	12.2	950	4.34	8.9	.4	3.6	1.5	38	.3	.1	.1	143	.87	.491	3	8.5	.43	433	.198	10	4.45	.014	.15	.5	.05	6.8	<.1	<.05	10	<.5
00E 275N	.6	88.6	5.9	136	.1	25.7	13.9	652	3.89	4.3	.4	3.1	1.3	51	.3	.1	.1	117	.56	.196	4	23.3	.59	331	.112	4	3.79	.010	.12	.2	.03	4.3	<.1	<.05	9	<.5
00E 250N	.7	28.5	7.6	110	.1	19.9	13.8	777	3.77	3.6	.6	2.1	.9	231	.2	.3	.2	115	.52	.128	4	30.5	.50	392	.044	3	1.82	.008	.12	.1	.02	3.1	<.1	<.05	7	<.5
00E 225N	.6	11.8	6.7	107	.1	7.9	9.4	2394	2.93	3.5	.3	2.8	.7	79	.3	.1	.1	100	.83	.057	3	15.3	.25	508	.131	4	1.14	.010	.08	.1	.04	2.3	<.1	.07	6	<.5
00E 200N	.4	16.6	6.2	77	.1	11.9	9.2	669	3.21	2.0	.4	1.5	1.1	154	.1	.2	.1	101	.42	.059	5	26.2	.35	308	.109	3	1.27	.009	.08	.2	.02	2.6	<.1	<.05	6	<.5
00E 175N	.5	19.4	6.5	125	.1	7.5	12.2	1081	3.59	2.4	.5	2.1	1.1	137	.2	.2	.1	123	.75	.155	5	15.1	.45	462	.156	4	2.20	.010	.11	.1	.04	4.2	<.1	<.05	9	<.5
00E 150N	.3	17.8	6.9	111	<.1	9.8	9.5	985	3.08	2.3	.4	1.9	1.1	154	.2	.1	.1	103	.79	.065	5	15.3	.52	770	.119	4	1.98	.010	.09	.1	.03	3.7	<.1	<.05	8	<.5
00E 125N	.5	17.9	6.1	130	.1	15.9	12.3	1325	3.31	4.3	.5	<.5	1.2	140	.2	.2	.1	107	.76	.198	5	17.7	.67	719	.166	5	2.44	.010	.08	.3	.03	5.3	<.1	<.05	10	<.5
00E 100N	.4	11.3	4.4	82	.1	5.8	8.7	1336	3.24	1.7	.3	2.3	.8	337	.1	.1	.1	91	.51	.097	3	10.6	.65	431	.052	4	2.03	.009	.11	.3	.02	4.3	<.1	<.05	8	<.5
00E 75N	.5	37.5	7.0	85	.1	18.9	12.3	545	3.63	3.0	.6	1.8	1.0	145	.1	.2	.2	94	1.14	.059	4	19.3	.89	757	.029	2	2.98	.010	.13	.1	.01	3.2	<.1	<.05	7	<.5
00E 50N	.6	33.0	9.2	89	.1	72.5	17.1	1479	4.01	2.7	.5	.6	.8	73	.3	.3	.2	117	.67	.043	3	52.4	1.29	394	.090	5	1.87	.008	.12	.1	.04	3.2	<.1	<.05	7	<.5
00E 25N	.9	11.6	7.4	57	.3	2.6	3.8	346	2.72	2.3	.5	1.4	.8	19	.1	.3	.1	108	.21	.022	3	8.5	.12	164	.058	3	.67	.006	.09	.1	.02	1.2	.1	<.05	5	<.5
00E 0N	2.8	48.0	6.2	69	.3	2.5	6.1	1257	2.76	7.7	.7	<.5	.3	23	.6	.3	.3	126	.45	.058	3	10.2	.10	133	.018	4	.72	.006	.07	.1	.03	1.3	<.1	<.05	5	<.5
50E 475N	.6	27.2	5.3	53	.1	9.4	6.6	893	2.20	2.1	.4	1.6	1.0	39	.2	.1	.1	77	.62	.026	7	31.2	.24	184	.085	4	.80	.010	.05	.1	.07	2.8	<.1	<.05	4	<.5
50E 450N	.8	14.6	5.7	58	.2	9.6	5.4	886	2.54	1.7	.3	1.7	.8	44	.2	.2	.1	89	.86	.033	5	37.5	.19	135	.112	6	.54	.008	.06	.1	.04	1.8	<.1	.09	4	<.5
50E 425N	.4	65.7	5.4	55	<.1	28.9	14.9	386	3.79	4.5	.5	3.1	2.0	42	.2	.2	.1	121	.43	.081	8	57.8	.76	173	.122	4	2.10	.012	.06	.2	.03	3.6	<.1	<.05	6	<.5
50E 400N	.3	42.0	4.8	65	.1	23.2	12.0	449	3.03	2.9	.5	3.0	1.8	45	.1	.2	.1	101	.52	.054	9	47.1	.64	128	.118	3	1.51	.012	.05	.1	.02	3.1	<.1	<.05	5	<.5
3450E 400N	.3	42.3	4.7	71	.1	23.5	12.9	473	3.22	3.1	.5	3.1	1.7	44	.1	.1	.1	104	.50	.052	8	46.9	.64	124	.124	4	1.49	.012	.05	.1	.03	3.3	<.1	<.05	5	<.5
50E 375N	.6	41.2	5.1	80	.1	15.4	12.1	681	3.73	4.0	.4	2.0	1.7	43	.2	.2	.1	128	.60	.053	7	41.0	.50	149	.122	2	1.68	.009	.07	.1	.02	4.8	<.1	<.05	6	<.5
50E 350N	.4	15.4	5.5	69	.1	10.8	7.2	559	2.79	1.7	.3	.9	1.5	26	.1	.1	.1	92	.29	.056	6	41.0	.25	125	.123	2	.87	.009	.05	.1	.01	2.2	<.1	<.05	5	<.5
50E 325N	.5	97.5	6.3	60	<.1	36.1	20.9	852	4.37	6.1	.7	5.2	3.1	81	.2	.2	.1	146	.86	.090	13	72.5	1.16	169	.165	3	2.54	.018	.13	.1	.04	7.2	<.1	<.05	8	<.5
0E 300N	.4	48.9	5.8	75	.1	85.8	18.9	1141	3.52	6.7	.5	21.8	1.6	116	.1	.2	.1	128	2.06	.091	8	40.3	1.58	668	.134	7	2.76	.026	.10	.2	.07	8.3	<.1	<.05	8	<.5
0E 275N	.2	46.6	4.9	70	.1	9.3	11.9	930	2.93	6.7	.5	8.8	1.6	104	<.1	.1	<.1	91	2.09	.079	7	17.0	.70	390	.100	5	2.61	.016	.09	.2	.04	8.4	<.1	<.05	8	<.5
0E 250N	1.1	25.9	7.2	117	.2	15.3	12.1	1470	3.02	3.7	.4	.8	1.3	50	.3	.1	.1	83	.66	.217	6	38.2	.36	362	.085	3	1.59	.009	.08	.1	.02	3.0	<.1	<.05	7	<.5
0E 225N	.6	17.2	6.1	98	.1	21.2	11.1	577	3.22	3.5	.4	1.3	2.1	48	.1	.1	.1	80	.43	.243	7	47.5	.49	357	.090	2	1.68	.009	.09	.2	<.01	3.5	<.1	<.05	7	<.5
0E 200N	.3	34.1	5.3	95	.1	12.6	12.1	750	3.52	9.7	.5	2.7	1.5	77	.1	.2	<.1	128	1.33	.131	6	17.0	.62	664	.202	4	3.00	.014	.11	.4	.02	6.2	<.1	<.05	8	<.5
0E 175N	.5	36.9	6.6	86	.1	23.4	12.1	1570	3.66	4.0	.5	1.2	2.1	92	.2	.2	.1	109	.50	.121	8	50.6	.59	384	.110	3	1.80	.011	.09	.2	.03	4.2	<.1	<.05	6	<.5
0E 150N	.5	19.3	7.0	101	.2	13.9	10.8	948	3.36	2.7	.3	<.5	1.3	48	.3	.2	.1	99	.39	.121	6	30.4	.43	350	.110	3	1.73	.011	.08	.3	.02	3.8	<.1	<.05	8	<.5
0E 125N	.6	13.7	4.5	87	.1	5.1	12.6	995	3.73	4.3	.3	.5	.7	107	.1	.2	<.1	91	.70	.125	2	7.3	.65	380	.020	3	2.22	.007	.14	.5	.02	5.0	<.1	<.05	8	<.5
0E 100N	.8	21.6	7.5	114	.2	10.3	11.6	1148	4.11	3.4	.4	<.5	1.0	247	.2	.3	.1	120	.56	.060	4	24.1	.56	436	.082	3	1.60	.009	.12	.3	.01	3.7	<.1	<.05	7	<.5
0E 75N	.6	27.6	12.3	126	.3	19.1	13.3	1444	4.67	3.4	.6	.9	1.1	250	.4	.5	.3	129	1.00	.037	4	26.6	.49	525	.057	5	1.25	.008	.14	.2	.06	3.2	<.1	.07	5	<.5
0E 50N	.7	40.1	8.2	132	.3	25.5	11.0	987	3.96	5.0	.7	1.8	.7	184	.2	.3	.2	126	.63	.068	4	28.9	.61	436	.049	4	1.77	.010	.12	.2	.03	3.0	.1	<.05	6	<.5
0E 25N	2.3	89.3	8.7	73	.5	6.8	6.2	755	2.89	9.4	.8	1.3	.6	33	.2	.2	.1	120	.57	.053	5	18.7	.24	128	.056	3	.79	.007	.07	.1	.03	1.9	<.1	<.05	6	<.5
0E 0N	.9	117.8	6.7	112	.3	29.1	12.6	559	3.72	5.4	.4	.8	1.6	50	.3	.2	.1	121	.42	.076	5	56.9	.59	128	.076	4	2.29	.009	.12	.2	.04	3.5	<.1	<.05	8	<.5
DARD DS5	13.9	147.3	25.5	147	.3	26.4	12.7	749	3.17	18.0	6.3	43.5	2.9	47	5.3	3.7	5.8	65	.78	.089	12	197.2	.69	139	.107	17	2.00	.035	.13	5.0	.17	3.5	1.0	<.05	7	5.1

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

Data FA

AMPLE#	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
3500E 325N	1.3	38.1	9.9	44	.2	16.9	8.5	446	2.76	3.4	.5	<.5	.8	58	.4	.2	.1
3500E 300N	.8	31.8	4.8	44	.1	17.3	9.5	417	2.75	3.0	.4	.8	1.3	51	.2	.1	.1
3500E 275N	1.0	37.5	6.9	76	.1	21.5	13.9	417	3.67	5.8	.5	3.9	1.3	57	.3	.2	.1
3500E 250N	.4	35.3	4.5	49	.1	14.7	9.1	373	2.79	3.6	.5	2.4	2.2	45	.1	.1	.1
3500E 225N	.7	39.7	5.9	68	.1	21.4	12.8	552	3.12	3.9	.5	3.5	1.3	59	.2	.1	.1
3500E 200N	.4	66.7	5.6	67	.1	46.5	15.0	506	3.55	5.0	.5	1.8	1.8	69	.2	.2	.1
3500E 175N	.8	66.5	7.6	57	.2	29.7	14.5	525	4.21	13.5	.7	4.6	2.5	71	.2	.3	.1
3500E 150N	.8	27.6	5.9	75	.1	23.4	11.6	695	3.10	3.4	.4	1.3	1.4	64	.2	.2	.1
3500E 125N	.5	42.1	5.7	72	.1	30.3	13.7	451	3.45	4.6	.5	1.1	2.1	55	.2	.2	.1
3500E 100N	.5	39.5	5.7	62	.1	30.3	14.0	526	3.16	4.5	.5	1.8	2.4	54	.1	.2	.1
3500E 75N	.6	66.7	7.5	65	.1	34.5	17.6	679	3.86	5.6	.6	<.5	2.7	65	.2	.2	.1
3500E 50N	1.1	29.4	7.9	69	.2	13.0	8.6	801	3.26	3.6	.5	1.1	1.4	39	.3	.2	.1
3500E 25N	.8	21.0	6.9	71	.1	13.5	9.9	1657	2.74	3.1	.4	.7	1.2	41	.3	.2	.1
3500E 0N	7.3	178.3	9.8	166	.8	11.1	10.0	1165	4.11	12.9	.9	1.2	1.0	33	.5	.4	.1
L3500E 0N	7.3	171.2	9.4	163	.8	11.3	9.8	1177	4.03	13.0	.9	1.9	1.0	33	.4	.3	.1
3550E 325N	1.0	51.6	7.3	54	.1	27.5	14.3	566	3.46	6.6	.6	1.7	1.7	57	.3	.2	.1
3550E 300N	.8	30.8	5.1	47	.1	20.7	11.3	391	3.16	3.5	.5	.6	1.3	64	.2	.2	.1
3550E 275N	.9	58.0	6.8	72	.1	26.0	13.8	437	3.43	5.1	.5	1.8	1.4	52	.2	.2	.1
3550E 250N	.5	39.5	5.3	57	.1	20.8	12.4	495	3.32	2.8	.5	2.1	1.8	48	.2	.1	.1
3550E 225N	.5	63.0	6.2	61	.1	29.4	17.5	595	3.58	3.4	.6	1.9	2.0	69	.2	.3	.1
3550E 200N	.6	38.9	5.6	77	.1	27.4	16.0	392	3.75	4.2	.5	2.2	1.7	43	.2	.2	.1
3550E 175N	.6	20.0	6.2	56	.1	11.3	7.0	293	2.96	2.5	.4	14.8	1.8	34	.3	.2	.1
3550E 150N	.5	37.0	5.3	58	.1	12.6	8.7	523	2.63	3.6	.4	1.3	1.4	34	.3	.2	.1
3550E 125N	.3	46.3	5.3	48	.1	19.9	12.5	451	3.10	4.3	.5	82.7	2.6	51	.1	.2	.1
550E 100N	.7	39.9	5.6	66	.2	18.1	11.0	520	2.90	3.5	.5	2.4	2.0	42	.2	.3	.1
550E 75N	.5	38.1	5.6	60	.1	24.2	13.0	470	3.48	4.1	.5	.7	2.1	47	.2	.2	.1
550E 50N	.7	29.8	6.5	91	.1	21.5	13.6	750	3.33	2.8	.4	.6	1.4	41	.4	.2	.1
550E 25N	.5	20.3	6.3	90	.1	16.1	11.9	760	2.92	2.5	.4	1.2	1.1	36	.3	.1	.1
550E 0N	.6	84.3	6.9	70	.1	35.6	18.3	757	4.31	4.9	.5	1.3	1.9	60	.2	.2	.1
600E 275N	.7	48.0	6.2	71	.1	20.6	14.3	601	3.32	2.6	.5	1.2	1.5	60	.4	.2	.1
600E 250N	.5	65.7	5.9	69	.2	22.5	13.9	739	3.34	3.6	.5	2.3	1.8	58	.2	.2	.1
600E 225N	.7	44.9	7.2	113	.1	30.7	18.3	502	4.05	4.1	.4	1.3	1.9	72	.3	.2	.1
600E 200N	.8	50.3	7.6	74	.2	21.1	13.9	948	3.63	3.6	.5	1.0	1.3	54	.3	.1	.1
600E 175N	1.1	29.0	8.7	93	.2	14.1	10.4	598	3.26	2.9	.4	.6	1.2	35	.5	.1	.1
ANDARD DS5	13.4	140.2	24.9	141	.3	25.8	12.6	743	3.11	18.1	6.2	41.0	2.7	49	5.5	3.8	6.0

AMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
3500E 325N	96	.70	.040	7	42.8	.42	141	.094	3	1.41	.012	.04	.1	.07	2.6	<.1	<.05	5	<.5
3500E 300N	91	.58	.036	7	42.9	.48	117	.108	2	1.22	.009	.04	.1	.03	2.3	<.1	<.05	4	<.5
3500E 275N	120	.63	.034	7	51.7	.52	150	.120	3	1.82	.011	.05	.2	.03	3.1	<.1	<.05	7	<.5
3500E 250N	98	.54	.024	10	42.2	.46	167	.116	3	1.16	.012	.04	.1	.03	3.2	<.1	<.05	4	<.5
3500E 225N	101	.58	.075	7	46.2	.49	196	.107	3	1.90	.010	.06	.1	.02	3.4	<.1	<.05	6	<.5
3500E 200N	115	.61	.078	9	59.3	1.00	201	.115	3	2.25	.012	.09	.2	.02	3.7	<.1	<.05	6	<.5
3500E 175N	148	.61	.050	9	61.3	.90	585	.106	3	2.77	.015	.08	.2	.05	6.2	.1	<.05	6	<.5
3500E 150N	96	.55	.113	7	51.9	.56	254	.090	3	1.61	.010	.07	.1	.05	2.8	<.1	<.05	6	<.5
3500E 125N	100	.45	.086	11	54.8	.64	234	.102	2	2.00	.011	.07	.1	.02	3.4	<.1	<.05	6	<.5
3500E 100N	94	.43	.086	11	57.4	.71	126	.106	2	1.75	.010	.08	.1	.02	3.0	<.1	<.05	5	<.5
3500E 75N	128	.56	.099	11	68.6	.92	124	.132	3	2.24	.012	.10	.1	.02	3.5	<.1	<.05	6	<.5
3500E 50N	111	.37	.067	7	43.0	.27	112	.088	1	1.22	.009	.06	.1	.06	2.3	.1	<.05	6	<.5
3500E 25N	98	.35	.031	7	41.3	.32	158	.089	2	1.06	.009	.05	.1	.03	2.2	<.1	<.05	5	<.5
3500E 0N	154	.50	.097	7	29.0	.47	110	.088	4	1.73	.009	.10	.3	.05	3.4	.1	<.05	8	.5
L3500E 0N	154	.53	.094	6	31.3	.45	103	.088	4	1.65	.009	.10	.2	.04	3.7	.1	<.05	8	.5
3550E 325N	125	.54	.058	10	59.4	.68	185	.108	2	2.03	.012	.07	.1	.03	4.2	<.1	<.05	6	<.5
3550E 300N	103	.88	.078	8	48.0	.53	130	.114	3	1.60	.010	.05	.1	.05	2.9	<.1	<.05	5	<.5
3550E 275N	116	.66	.046	8	53.4	.67	124	.108	3	2.15	.012	.07	.1	.04	3.6	<.1	<.05	6	<.5
3550E 250N	112	.52	.043	9	51.0	.57	125	.134	3	1.43	.015	.04	.1	.02	3.4	<.1	<.05	5	<.5
3550E 225N	113	.74	.104	8	57.5	.95	213	.126	4	2.36	.020	.08	.1	.05	4.4	<.1	<.05	6	<.5
3550E 200N	118	.49	.169	8	58.6	.74	93	.136	3	2.21	.010	.07	.1	.03	3.2	<.1	<.05	6	<.5
3550E 175N	107	.29	.043	8	42.4	.27	72	.123	2	.98	.008	.04	.1	.01	2.0	<.1	<.05	6	<.5
3550E 150N	83	.36	.103	7	28.6	.29	121	.090	2	1.04	.008	.04	.1	.03	2.2	<.1	<.05	4	<.5
3550E 125N	97	.56	.061	10	42.3	.51	232	.115	3	1.42	.013	.06	.1	.02	3.9	<.1	<.05	4	<.5
550E 100N	85	.43	.080	9	40.0	.44	150	.103	3	1.57	.010	.06	.1	.04	2.9	<.1	<.05	5	<.5
550E 75N	111	.40	.049	9	59.4	.62	71	.132	3	1.61	.010	.07	.1	.04	3.3	<.1	<.05	5	<.5
550E 50N	100	.44	.118	7	55.4	.48	101	.111	2	1.65	.009	.07	.1	.04	2.9	<.1	<.05	6	<.5
550E 25N	84	.37	.076	7	46.0	.36	94	.101	3	1.21	.008	.06	.1	.04	2.3	<.1	<.05	5	<.5
550E 0N	130	.71	.094	8	67.6	.95	95	.148	4	2.63	.012	.14	.1	.05	3.5	<.1	<.05	8	<.5
600E 275N	103	.67	.087	9	50.5	.65	118	.111	3	1.68	.014	.06	.1	.03	3.3	<.1	<.05	5	.5
600E 250N	113	.74	.048	10	53.1	.66	119	.127	4	1.66	.017	.06	.1	.07	4.6	.1	<.05	5	<.5
600E 225N	112	.65	.266	7	58.5	.72	208	.118	4	2.34	.010	.08	.1	.04	4.1	<.1	<.05	6	<.5
600E 200N	107	.50	.096	6	51.3	.45	134	.115	3	1.70	.009	.07	.1	.04	3.1	<.1	<.05	6	<.5
600E 175N	110	.31	.097	7	49.9	.32	132	.103	1	1.17	.007	.07	.1	.02	2.4	<.1	<.05	6	<.5
ANDARD DS5	65	.72	.094	12	198.7	.66	137	.110	17	2.22	.033	.13	4.9	.16	3.4	1.1	<.05	7	5.0

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

Data FA

ACME ANALYTICAL

Glengarry Dev. Corp. FILE # A303979

ACME ANALYTICAL

AMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
5600E 150N	1.7	35.9	14.1	163	.3	15.0	10.5	751	2.97	5.1	.4	<.5	1.0	41	1.0	.2	.2	78	.53	.137	7	39.0	.39	141	.089	2	1.75	.008	.07	.1	.04	2.9	.1	<.05	6	.6
5600E 125N	.5	49.9	5.0	42	.1	18.2	9.4	304	3.02	5.5	.5	1.8	2.1	32	.2	.2	.1	88	.38	.151	8	41.0	.44	77	.090	2	1.75	.008	.04	.1	.04	3.2	<.1	<.05	5	.5
5600E 100N	.4	27.8	4.8	55	.1	15.0	8.2	356	2.64	4.5	.4	1.5	2.3	40	.3	.2	.1	72	.44	.158	9	37.1	.39	109	.087	3	1.47	.010	.05	.1	.03	3.0	<.1	<.05	5	.7
5600E 75N	.3	12.7	5.6	58	.1	9.5	6.2	1393	2.14	1.6	.3	1.4	1.9	55	.5	.1	.1	66	.59	.036	9	32.0	.25	184	.095	5	.77	.008	.06	<.1	.05	2.2	<.1	<.05	5	<.5
5600E 50N	.4	53.1	4.6	45	<.1	19.2	10.7	455	2.98	4.2	.5	3.3	2.5	42	.1	.1	.1	99	.44	.083	10	49.6	.56	61	.116	2	1.41	.011	.06	.1	.02	3.1	<.1	<.05	4	.6
5600E 25N	.4	67.1	5.8	53	.1	25.5	15.7	586	3.44	5.0	.5	26.8	2.3	57	.1	.2	.1	108	.65	.114	10	63.3	.87	81	.124	4	1.84	.013	.10	.1	.03	4.2	<.1	<.05	6	1.1
5600E 0N	.4	22.7	6.3	71	.1	16.3	10.1	1108	3.04	3.1	.3	1.3	1.4	55	.4	.1	.1	92	.63	.109	7	58.5	.47	117	.119	3	1.26	.010	.07	.1	.05	3.0	<.1	<.05	6	.8
TANDARD DS	12.3	139.2	23.8	130	.3	24.2	12.1	759	2.95	17.9	5.9	39.9	2.6	47	5.2	3.4	6.0	58	.75	.090	11	195.0	.65	133	.090	16	2.00	.032	.13	4.6	.18	3.6	1.0	<.05	6	4.6

Standard is STANDARD DS5.

Data FA

Appendix 2

PETROGRAPHIC STUDY

Vancouver Petrographics Ltd.
8080 GLOVER ROAD, LANGLEY, B.C. V1M 3S3
PHONE (604) 888-1323 • FAX (604) 888-3642
email: vanpetro@vancouver.net

PETROGRAPHIC REPORT ON FOUR SAMPLES FROM LLOYD 2 CLAIMS, MT POLLY

Report for: Egil Livgard
1990 King Albert Avenue
Coquitlam, B.C. V3J 1Z2 (604-937-5059)

Invoice 0300474

Sept. 15, 2003

SUMMARY:

Two of the samples are from surface, on the boundary line between Lloyd 2 claim and Mt. Polly Mine claims, and about 200 m north of Mt. Polly's recent new discovery; the other two samples are from core drilled through the volcanic cover farther north. All the samples appear to be similar in composition (alkalic, Kspar-rich, possibly originally monzonite to trachyte, with microphenocrysts of apatite and magnetite), although texture varies from high-level intrusive to fragmental volcanic (or possibly intrusive/hydrothermal breccia). The rocks have undergone strong potassic (Kspar, local biotite, possible garnet?) and superposed phyllic-argillic (sericite-clay?, carbonate, chlorite) alteration. Minor sulfide mineralization consists of pyrite and lesser chalcopyrite, oxidized to limonite and local malachite and black "neotocite".

Capsule descriptions are as follows:

3225E, 00N: strongly altered, possibly alkalic high-level intrusive or volcanic rock, possibly trachyte, originally composed of plagioclase and lesser mafic (hornblende?, biotite) plus apatite and magnetite crystals in a matrix of K-feldspar. Alteration appears to be potassic (Kspar, biotite) overprinted by chlorite-sericite(±?clay)-carbonate.

3450E, 00N: alkalic high-level intrusive breccia or fragmental volcanic, possibly originally monzonitic, strongly altered to Kspar-chlorite-sericite-carbonate-garnet? and minor sulfides (pyrite, chalcopyrite).

DDH2000 #2 288m: strongly potassic (Kspar) and phyllic-argillic (sericite-clay?-carbonate) altered, sulfide mineralized rock that may represent an alkalic (trachyte or monzonite) rock of uncertain origin (fragmental volcanic, high-level intrusive breccia, or hydrothermal breccia).

DDH2000-?: alkalic, ?K-feldspar megacrystic, high-level intrusive rock possibly originally of trachyte or monzonite composition; it has undergone extensive potassic (K-spar) and phyllic (sericite-carbonate) alteration, possibly accompanied by sulfide mineralization that is now oxidized to limonite, although this is speculative.

Detailed petrographic descriptions and photomicrographs are attached. If you have any questions regarding the petrography, please do not hesitate to contact me.

C.H.B. Leitch, P.Eng.

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3225E, 00N: FINE-GRAINED, ALKALIC ?HIGH-LEVEL INTRUSIVE OR VOLCANIC TRACHYTE?, ALTERED TO KSPAR±BIOTITE, LATER CHLORITE-SERICITE-CALCITE

Hand specimen is a pinkish brown, partly oxidized, fine-grained, high-level felsic intrusive or volcanic rock, cut by 1-2 mm thick white calcite veinlets, and with minor secondary copper minerals (malachite, black "neotocite") on fracture planes. The rock is weakly magnetic, shows strong reaction to cold dilute HCl, and extensive yellow stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

K-feldspar (matrix, ?partly secondary)	40%
Sericite, ?clay	15%
Chlorite	15%
Relict plagioclase	15%
Carbonate (mainly calcite)	10%
Hematite (partly after magnetite, ?sulfides)	2-3%
Leucoxene, limonite	1%
Relict biotite (?partly secondary)	1%
Apatite	<1%
Malachite, "neotocite"	<1%

In thin section, this sample appears relatively uniform and homogeneous (compared to the sample from 3450E), composed of about 30-35% small relict plagioclase phenocrysts and 5-10% relict mafic sites, plus scattered microphenocrysts of apatite and hematized magnetite, in a groundmass of fine-grained, partly secondary K-feldspar, plus chlorite and sericite. The rock is extensively fractured and veined by carbonate veinlets and a later, open set that is partly filled by what may be ?clay-sericite.

Relict plagioclase phenocrysts have subhedral to corroded outlines mainly <1 mm long that are commonly difficult to recognize in thin section due to the intense alteration to fine-grained sericite, ?clay, and minor carbonate and chlorite. The alteration minerals are mostly <15 microns in diameter and are locally stained by limonite. Traces of former zoning are mimicked by the secondary minerals.

Former mafic crystals are rarely recognizable, with elongated subhedral to rounded outlines up to 1.2 mm long that are now replaced by fine-grained, likely secondary, biotite as well as carbonate, chlorite, sericite and opaques. The biotite forms subhedral medium brown flakes up to 0.15 mm in diameter, indistinguishable from small relict biotite phenocrysts <0.5 mm in diameter Scattered microphenocrysts of apatite have sub- to euhedral outlines up to 0.7 mm long, and of abundant hematized magnetite up to 0.35 mm in diameter.

The groundmass is largely K-feldspar as small interlocking subhedra mostly <0.1 mm in diameter, but it is strongly stained by minute particles of reddish-brown ?hematite and intensely microfractured by sericite, chlorite and lesser carbonate. Quartz appears to be absent.

In places, microfractures and hairline fractures are more organized and concentrated into zones up to 3 mm wide, containing or associated with significant amounts of opaques (mostly hematitic limonite, in part possibly after former sulfide crystals <0.15 mm in diameter). These are cut by calcite veinlets that are up to 1.6 mm thick, with distinct cross-fibre (antitaxial) growth structure of elongated crystals up to 2 mm long. The open set may locally contain traces of malachite and opaque "neotocite" (amorphous mixtures of Fe-, Mn-, and Cu-oxides). The minor copper mineralization is much more evident in hand specimen than in thin section.

In summary, this sample appears to be a strongly altered, possibly alkalic high-level intrusive or volcanic rock, possibly trachyte, originally composed of plagioclase and lesser mafic (?hornblende, biotite) plus apatite and magnetite crystals in a matrix of K-feldspar. Alteration appears to be potassic (Kspar, biotite) overprinted by chlorite-sericite(±?clay)-carbonate.

3450E, 00N: ALKALIC HIGH-LEVEL INTRUSIVE BRECCIA/FRAGMENTAL VOLCANIC (MONZONITE?) ALTERED TO KSPAR-CHLORITE-SERICITE-CARBONATE-?GARNET

Hand specimen is a reddish brown, slightly oxidized, breccia composed of about 75%, 1-2 cm diameter, subangular clasts of fine-grained, high-level felsic intrusive or volcanic rock, in a greenish matrix. The rock is magnetic, shows strong reaction to cold dilute HCl, and extensive yellow stain for K-feldspar (locally along fracture planes, suggestive of secondary Kspar) in the etched offcut. Modal mineralogy in polished thin section is approximately:

K-feldspar (matrix; likely partly secondary)	40%
Relict plagioclase	20%
Chlorite	15%
Sericite	10%
Carbonate (?mainly calcite)	10%
Garnet (?)	2-3%
Limonite (after sulfides)	1-2%
Pyrite, chalcopyrite	<1% each
Magnetite	<1%
Apatite, sphene	<1% each

In thin section, the rock has a vague fragmental character caused by poorly defined clasts with subrounded to subangular outlines mostly <1 cm in diameter, suggestive of a hypabyssal intrusive breccia or fragmental volcanic rock. The outlines are partly to largely obscured by the strong alteration, to K-feldspar, carbonate, chlorite-sericite, and scattered ?garnet.

Relict plagioclase crystals (phenocrysts or crystal shards) have subhedral to ragged ourlines up to 1.25 mm in diameter (2 mm where glomeratic). Composition may be about albite or oligoclase based on extinction on 010 up to 12 degrees (no quartz to compare refractive indices with); this may in part be a secondary composition, since the crystals are partly altered to carbonate, sericite, chlorite and stained by limonite. The crystals are commonly rimmed by coronas or haloes of K-feldspar as small subhedra <0.35 mm in size, likely secondary or late-magmatic in origin.

Relict mafic phenocrysts or shards are barely recognizable where they have subhedral outlines up to 1.5 mm in diameter. They are pseudomorphed by carbonate, chlorite, minor sphene (minute subhedra <15 microns in diameter) and opaques that range from coarser, subhedral magnetite (partly oxidized to hematite) up to 0.25 mm in size down to smaller, subhedral pyrite or limonite particles mostly <0.1 mm in diameter. In places, ragged skeletal aggregates of ?garnet up to 0.5 mm across also appear to replace former mafic sites. The ?garnet is pale yellow to greenish and is locally associated with chlorite and fine-grained sulfides (mainly pyrite, subhedra <0.1 mm, partly oxidized to limonite). Other relict sites with less well-defined outlines up to 0.75 mm across, now pseudomorphed by an extremely fine-grained, intimate mixture of chlorite and sericite plus lesser carbonate and minor ?garnet, could have been after mafic minerals. If so, then the original rock may have contained up to 35-40% mafics. Scattered euhedral crystals (microphenocrysts) of apatite up to 0.75 mm long and magnetite up to 0.5 mm across suggest that the rock was alkalic in origin. The magnetite is commonly partly rimmed or replaced by fine-grained pyrite.

The groundmass in the clasts consists largely of fine-grained, subhedral to anhedral, interlocking crystals of K-feldspar mostly <50 microns in diameter, with lesser amounts of finer-grained carbonate, chlorite, sericite, and opaques plus traces of sphene (subhedra to 0.1 mm). The K-feldspar is strongly stained by minute particles of hematite. The matrix to the clasts consists mainly of comminuted feldspar and carbonate set in very fine-grained, pale greenish chlorite and sericite, variable sulfides (pyrite, rare chalcopyrite) plus traces of sphene. Narrow, irregular fracture veinlets (mainly <0.5 mm thick) are not well developed in the thin section, but appear to contain chlorite, garnet (?), and limonite (after former sulfides including both pyrite and chalcopyrite as subhedral to anhedral crystals or aggregates mostly <0.1 mm in diameter), and minor K-feldspar.

This appears to be an alkalic high-level intrusive breccia or fragmental volcanic, possibly originally monzonitic, strongly altered to Kspar-chlorite-sericite-carbonate-garnet and minor sulfides.

DDH2000#2 (288m): POTASSIC (KSPAR) AND PHYLLIC (SERICITE-CLAY?-CARBONATE-SULFIDE) ALTERED ALKALIC FRAGMENTAL ROCK (HIGH-LEVEL INTRUSIVE, BRECCIA OR VOLCANIC)

Hand specimen is fine-grained, fragmental, dark pinkish brown to grey, with distinctive reddish K-feldspar phenocrysts or shards set in a dark, aphanitic matrix cut by numerous hairline fractures. The rock is not magnetic, but shows minor reaction to cold dilute HCl (especially along numerous white fractures), and abundant yellow stain for K-feldspar in the etched offcut both in the matrix and the phenocrysts (except for small plagioclase crystals that are white). Modal mineralogy in polished thin section is approximately:

K-feldspar (largely secondary?)	65%
Plagioclase (relict)	15%
Sericite, clay?	10%
Carbonate (mainly calcite)	5%
Pyrite, trace chalcopyrite	3-5%
Apatite	<1%
Rutile	<1%

Clasts are poorly defined but appear to have ellipsoidal to irregular outlines up to about 1.5 cm long, distinguished mainly by variations in phenocryst content and grain size. Most clasts consist of about 30-35% small (<1 mm) crystals of plagioclase and Kspar, plus shapeless sericitized ?mafics, in a groundmass of Kspar, carbonate, sericite/clay? and opaques; some clasts contain K-feldspar and relict mafic (hornblende?) crystals up to 2 mm across and 1.5 mm long respectively.

K-feldspar crystals have euhedral to subhedral outlines up to 2.1 mm in diameter, and are commonly partly (up to 40%) replaced by fine-grained carbonate, likely mostly calcite as irregular anhedra up to 0.5 mm long (rare euhedral rhombs with higher relief may be ?ankerite or siderite).

Plagioclase crystals have euhedral to subhedral outlines rarely up to 1 mm in diameter that are almost always rimmed or partly (up to 50%) replaced by K-feldspar, leaving only the core as plagioclase. There is only slight relief difference between the plagioclase and Kspar, suggesting the plagioclase composition is albitic (likely a secondary composition). Both feldspars are also partly altered to fine-grained sericite and clay? plus lesser carbonate.

Former mafic sites have subhedral to euhedral outlines rarely over 1 mm long, and are now pseudomorphed by sericite (subhedral flakes up to 0.25 mm in diameter) and finer-grained sericite mixed with variable clay? (both flakes mostly <20 microns in diameter) plus sulfides (mainly pyrite, subhedral to euhedral cubic crystals to 0.25 mm diameter) and rutile (aggregates to 0.15 mm across of minute euhedra mostly <25 microns long). Accessory microphenocrysts of apatite up to 0.5 mm long are rare, and of pyrite (likely after former magnetite) up to 0.25 mm across are common.

The groundmass in the clasts consists of fine-grained (mostly <50 micron), feathery K-feldspar with lesser amounts of carbonate, sericite, clay? and opaques (sulfides and rutile). The matrix to the clasts is difficult to distinguish, but appears to be mainly very fine-grained clay?-sericite plus sulfides and rutile, all mostly <25 microns in diameter. This may be hydrothermal matrix; if so the rock could be a hydrothermal breccia rather than a fragmental volcanic or intrusive breccia. Only field relations, derived by mapping the extent and form of the fragmental rock bodies, can resolve this question. In places, the matrix grades to what appear to be more fracture-controlled mixtures of the same fine-grained alteration minerals (sericite, clay?, carbonate, sulfides) along microfractures to irregular hairline fractures.

In summary, this appears to be a strongly potassic (Kspar) and phyllic-argillic (sericite-clay?-carbonate) altered, sulfide mineralized rock that may represent an alkalic (trachyte or monzonite) rock of uncertain origin (fragmental volcanic, high-level intrusive breccia, or hydrothermal breccia).

DDH2000-?: ALKALIC, KSPAR MEGACRYSTIC?, HIGH-LEVEL INTRUSIVE (TRACHYTE-MONZONITE?) ALTERED TO KSPAR-SERICITE-CALCITE

Hand specimen is pinkish brown, fine-grained, massive, cut by black Mn-oxide stained planar throughgoing fractures and more closely spaced, short, hairline to micro-fractures. The rock is not magnetic, but shows minor reaction to cold dilute HCl, and extensive stain for K-feldspar in the etched offcut. The texture revealed in the etched offcut suggests the presence of both large relict K-feldspar (?) and smaller relict plagioclase crystals. Modal mineralogy in thin section is approximately:

K-feldspar (partly secondary)	60%
Sericite	15%
Plagioclase (relict)	10%
Carbonate (mainly calcite?)	10%
Opaque (mainly limonite?)	2-3%
Chlorite	1-2%
Apatite	<1%
Sphene/rutile	<1%

The texture in thin section is suggestive of a K-feldspar megacrystic rock, likely a hypabyssal (high-level) intrusive. The rock consists of about 30% large relict feldspar crystals that may have been K-feldspar (although this cannot be proven), with euhedral outlines up to at least 1 cm long, and 15% smaller relict plagioclase crystals with euhedral outlines mainly <1 mm in diameter, plus scattered mafic relics (<5%, 3.5 mm) and accessory apatite and hematized relict ?magnetite microphenocrysts in a groundmass of K-feldspar.

The larger feldspar phenocrysts are thought to have been K-feldspar originally since the small plagioclase crystals have not been completely replaced by Kspar, and their shape, size and simple twinning are suggestive of Kspar megacrysts. They are strongly altered, however, to carbonate (subhedra mostly <0.2 mm but locally up to 0.5 mm in diameter) and sericite (subhedral flakes mostly <20 microns in diameter), commonly controlled along microfractures. Locally there is also replacement by fine-grained opaques (mostly <25 microns in diameter) that could be limonite after former sulfides.

Relict plagioclase crystals have a seriate texture (gradational size distribution from about 1 mm down to 0.2 mm). They only rarely show remnant polysynthetic twinning in the cores; they are always rimmed by secondary K-feldspar, and in addition the cores are commonly partly to locally completely replaced by fine-grained sericite and lesser carbonate and secondary K-feldspar (all subhedra <50 microns in diameter).

Relict mafic crystals are distinguished by coarser sericite, and locally by chlorite and opaques, compared to the relict plagioclase crystals. In the largest examples, opaques form up to 30% of the relict crystal, intimately intergrown chlorite-sericite (flakes <25 microns in diameter) make up 45%, and small K-feldspar crystals form the balance. Most smaller examples consist only of sericite and opaques with traces of chlorite; the chlorite is very hard to see due to admixture with sericite.

Apatite forms euhedral microphenocrysts generally <0.5 mm in diameter. Aggregates of opaques, likely mostly hematitic limonite, possibly after former magnetite microphenocrysts with subhedral outlines <0.3 mm in diameter, are scattered throughout the slide. Limonite is also concentrated along fractures, and this could be after former sulfides that were generally <0.1 mm in diameter. These fractures are cut by more planar, throughgoing veinlets up to 0.5 mm thick composed of carbonate (subhedra to 0.3 mm diameter), with re-openings by fractures filled by opaques that may include the Mn- oxides seen in hand specimen.

In summary, this sample appears to be an alkalic, ?K-feldspar megacrystic, high-level intrusive rock possibly originally of trachyte or monzonite composition; it has undergone extensive potassic (K-spar) and phyllic (sericite-carbonate) alteration, possibly accompanied by sulfide mineralization that is now oxidized to limonite, although this is speculative.