1996 REPORT
ON THE
MAPPING, SOIL GEOCHEMISTRY and MAGNETOMETER
VLF-EM GEOPHYSICAL SURVEYS
ON THE

MAMU 1-23 CLAIMS
BRAVO 25-44 CLAIMS
KULAN 1-109 CLAIMS

Watson Lake Mining District

YMIP #96-67

Location: 1. 55 km South of Ross River, Y.T.
2. NTS 105-F/7, 8, 9, & 10
3. Latitude 61° 30' N
Longitude 132° 30' W

Claims: MAMU 1-24 (YB47318-YB47341)
BRAVO 25-44 (YB58933-YB58952)
KULAN 1-67 (YB79729-YB79795)
KULAN 68 (YD88804)
KULAN 69-109 (YB79796-YB79836)

For: **ORO BRAVO RESOURCES LTD.**
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December 5, 1996

SUMMARY

Oro Bravo Resources Ltd.'s Mamu-Bravo-Kulan project consists of 153 contiguous quartz claims located 55 km south of Ross River, Yukon. The claims were staked to cover geochemical and geophysical anomalies associated with Mississippian felsic metavolcanics that are interpreted to be characteristic of Kuroko style VMS mineralization.

An large portion of the Cassiar platform south of Ross River is underlain by Devonian and Mississippian clastic sedimentary and felsic volcanic rocks. The Mississippian metavolcanic rocks are known hosts for Kuroko style VMS mineralization. Kuroko style VMS occurrence were first reported in the late 1970's (Morin, 1977; Mortensen, 1982: Godwin and Mortensen, 1982). The MM property (105F-012), Matt Creek (105F-021), Chzernough (105F-071), Bnob (105F-073) and the Mamu-Bravo-Kulan (105F-013) are all examples of VMS occurrences within Mississippian metavolcanic rocks in the Cassiar Platform.

Field programs completed on the Mamu-Bravo-Kulan project in 1995 and 1996 consisted of 48 line kilometres of slope corrected and picketed grid with soil sampling at 50 by 25 m spacing and Total field magnetometer and VLF-EM geophysical surveys. Results of this work have defined coincident multi-element soil geochemical anomalies (Cu, Pb, Zn, Ag, Cd, Fe and Ba) associated with gossanous zones within the Mississippian metavolcanics. One of the larger soil geochemical anomalies is coincident with a 50 nT total field magnetic anomaly and a moderate VLF-EM anomaly. The best rock samples collected from surface outcrops have returned up to 6.2% Zinc and 2.5% lead. Geochemically the system appears to be zinc rich with lesser grades in copper and lead. There is a strong positive correlation between Zn, Pb, Cu, Ag and Fe in both soil and rock geochemical data sets.

The felsic metavolcanics are fragmental, have pyrite rich horizons and zones that can be interpreted as exhalites, all are indicative that of potential VMS mineralization.

Further work is warranted and recommended for the 1997 field season. An agressive field program consisting of additional gridding, soil sampling, mapping, geophysical surveys, road building, and diamond drilling is recommended at an estimated cost of $450,000.

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INTRODUCTION

This report was prepared at the request of Mr. George Hajduk, President of Oro Bravo Resources Ltd. It describes the 1996 exploration program, carried out between August 2-27, and October 11-21, 1996, on the Mamu-Bravo-Kulan property.

The Mamu 1-24 and Bravo 26-44, and Kulan 1-109 claims are located on the east side of the McConnell River 55 km south of the community of Ross River, Yukon.

The 1996 program continued where the 1995 program ended and consisted of extending the 1995 grid, soil sampling, mapping and geophysical surveys to further define coincident Magnetic, VLF-EM and soil geochemical anomalies identified on the 1995 grid. The original anomalies were located during previous work and on this occurrence between 1976 and 1991 by various operators. Previous work had indicated that the property may host VMS style mineralization associated with Devonian-Mississippian volcanics and sedimentary rocks.

The 1996 work program consisting of griding and line cutting, soil sampling, magnetometer and VLF-EM geophysical surveys and geological mapping was carried out from a helicopter supported fly camp. Field work was completed between August 2-27 and consisted of 102 man days of field work by a five to six man crew. The geophysical surveys were completed by Amerok Geosciences Ltd. Additional griding, soil sampling, and blast trenching was completed between October 11-21, 1996.

This report is based on the information collected during the 1995 and 1996 work programs completed by Aurum Geological Consultants Inc., and on referenced reports by previous operators.

LOCATION and ACCESS

The Mamu 1-24, Bravo 25-44 and Kulan 1-109 claims are located 55 km south of Ross River, Yukon at the boundary of NTS map areas 105F/7,8,9 and 10. The property is approximately 12 km southwest of the Ketza River mine. A point at the centre of the claim block is at 61°30'North latitude and 132°30'West longitude, (Figure 1).

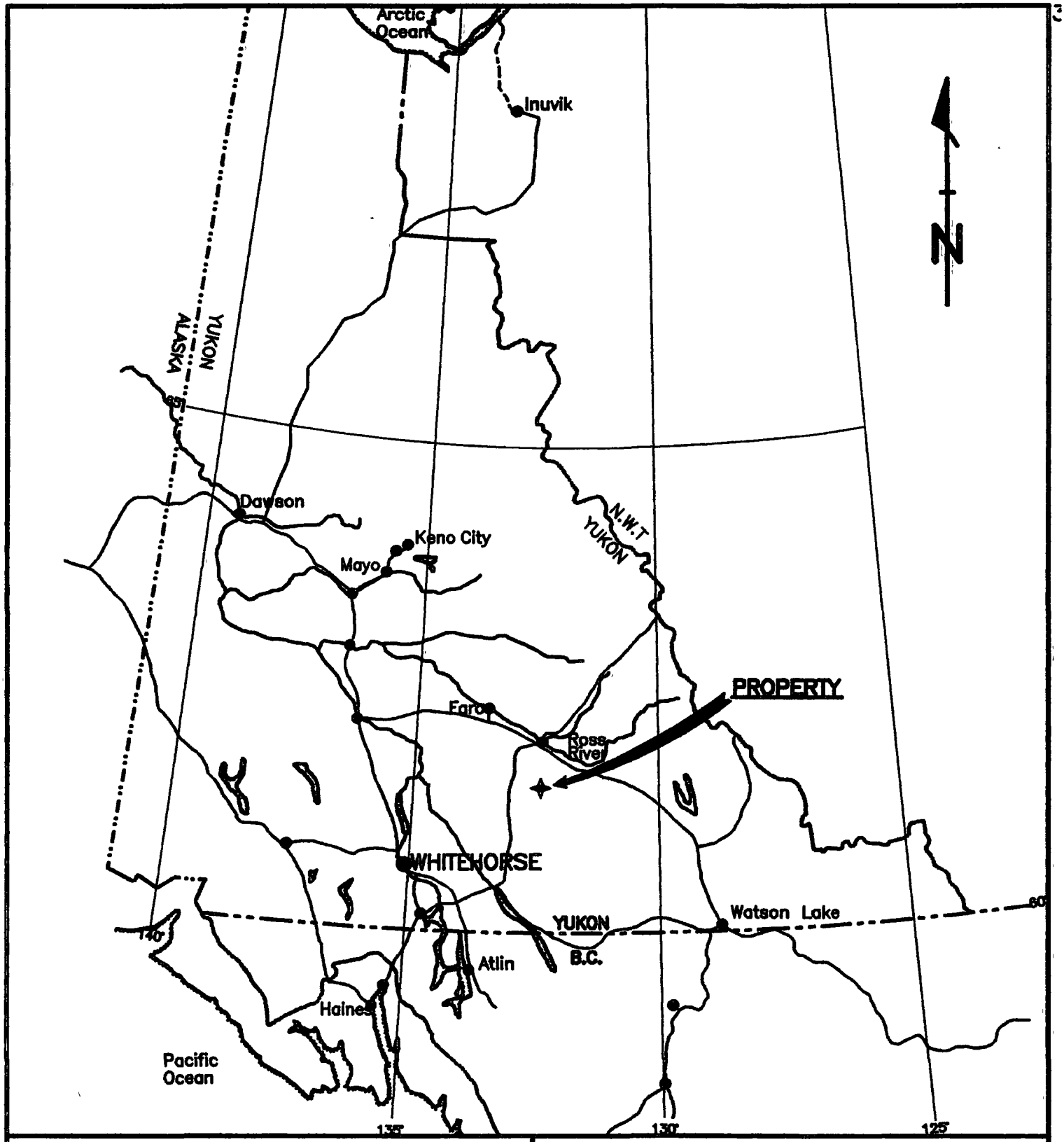
Year round access to the Mamu claims is via helicopter from Ross River, 55 km North of the property. There is a seasonal access road to the Ketza River mine site and an exploration tote road from the mine that terminates approximately 2 km northeast of the Mamu claims. Another exploration tote trail leads up Groundhog Creek from the South Canol road and terminates within two kilometres of the property. Access from Groundhog Creek would require a bridge over the McConnell River.

PHYSIOGRAPHY, CLIMATE, AND VEGETATION

The property is located within the Pelly Mountains on the southeast side of the Tintina Trench. The claim areas lie between the 4000 and 6500 feet elevation and most of the property is above treeline. The terrain consists of rugged mountains separated by wide glaciated valleys with fairly gentle floors. The claims lie on the east side of the McConnell River north of White Creek and straddle a northwest-southeast trending ridge that is incised in both the west and north side by steep gradient creeks. Outcrop is common at elevations above 4500 feet; below this elevation outcrop is obscured by brush cover, talus, and glacial till.

Sub-alpine vegetation on the property consists of stunted white spruce, and a thick mat of alpine fir below 4500 feet; willows and grasses, barren rock outcrop, and steep talus slopes predominate above the 4500 foot elevation.

The climate in this area of the southern Yukon is characterized by cold dry winters with one to two meters of snow accumulation. Summers are warm and wet. The exploration season typically extends from mid-June to mid-September.



ORO BRAVO RESOURCES LTD.

MAMU, BRAVO, KULAN CLAIMS

WATSON LAKE MINING DISTRICT

PROPERTY LOCATION MAP

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
R. A. DOHERTY

Aurum Geological Consultants Inc.		date: DECEMBER, 1996	
NTS: 105 F	drawn: JC	scale: 1:6,000,000	figure: 1

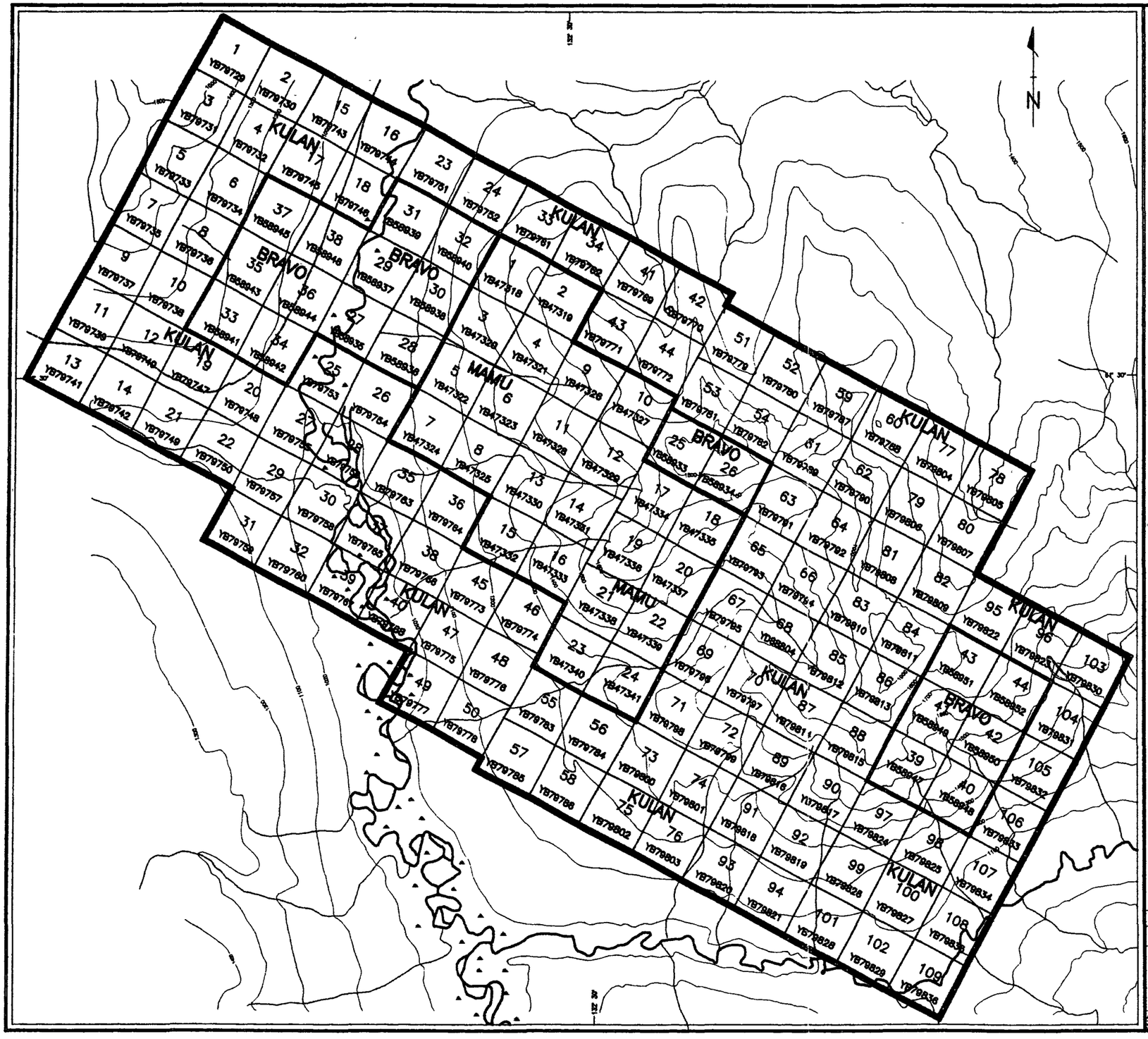
PROPERTY

The Mamu-Bravo-Kulan property consists of 153 contiguous unsurveyed quartz mineral claims that straddle NTS map areas 105F/ 7, 8, 9, and 10, located at the northern edge of the Watson Lake Mining District (Figure 2). The Mamu 1-24 claims were staked on March 8, 1994 and recorded on March 9, 1994 by Mr. Brian V. Hall of Bowen Island, B.C. The claims were optioned from Mr. Brian Hall by Oro Bravo Resources Ltd., in early 1995. The Brawo25-44 claims were added in 1995. The Kulan 1-109 claims were added in February of 1996 to consolidate ground holdings in the area and to cover all airborne geophysical anomalies identified by an Aerodat airborne geophysical survey flown for Granges Inc., in 1990. The Kulan 68 claim was staked in October 1996 when the Matthew 18 claim previously located by Granges Inc., lapsed.

Claim data and expiry dates are listed in Table I below:

CLAIM NAME	GRANT NUMBER	RECORDING DATE	EXPIRY DATE
Mamu 1-24	YB47318-YB47341	March 9, 1994	March 09, 2001
Bravo 25-38	YB58933-YB58947	March 16, 1995	March 16, 2001
Bravo 25-44	YB58948-YB58952	March 16, 1995	March 16, 1997
Kulan 1-67	YB79729-YB79795	March 20, 1996	March 20, 1997
Kulan 68	YD88804	November 6, 1996	November 6, 1997
Kulan 69-109	YB79796-YB79836	March 20, 1996	March 20, 1997

Assessment credits to extend the expiry date of all claims to 2001 will be filed with the Watson Lake Mining Recorders office prior to the March 9 renewal date of the Mamu 1-24 claims.



SYMBOLS

- ELEVATION CONTOUR (100m)
- CREEK
- RIVER
- LAKE

BRAVO 26 YB58934 — CLAIM NUMBER / CLAIM NUMBER / GRANT NUMBER / CLAIM GROUP BOUNDARY

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — R A DOHERTY — GEOSCIENTIST

500 250 0 100 200 300 400 500 metres

ORO BRAVO RESOURCES LTD.

BRAVO–MAMUT–KULAN

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

CLAIM MAP

Aurum Geological Consultants Inc.	Date: DECEMBER, 1996		
NTS 105 F	Drawn: JC	Scale 1:33000	Figure 2

HISTORY

The first claims in the area were the CPA 1-12 claims staked by Charta Mines Ltd., in October 1969. Their exploration efforts focused on a possible porphyry-type deposit with peripheral Pb-Ag veins. Exploration consisted of mapping and geochemical sampling in 1970-71 and a ground magnetometer survey in 1971. There was limited hand trenching completed in 1976 (Yukon Minfile, #105F-013), and the property was optioned to United Keno Hill Mines Ltd in 1977 who explored with mapping, geochemistry and trenching.

To the east of the Mamu claims, Archer Cathro and Associates on behalf of the Ukon Joint Venture (Chevron and Kerr Addison) staked the Guano claims in 1976 and explored a rare earth element (Th, Ree, Nb) skarn at the margin of a Mississippian syenite.

A portion of the CPA and Guano claims was restaked as the Matthew claims by Brian V. Hall and optioned to Cascade Pacific Resources Ltd. A 1988 work program (Burson, 1989) consisted of 53 man days which included 11.5 km of picketed griding, collecting 420 soil samples and 63 rock samples, and mapping and prospecting. This work identified anomalous Cu, Pb, Zn, and Ag values in soils over a 400 m by 200 m zone with other scattered single or double element anomalies. The geochemical anomalies and bedrock geology, particularly the presence of fragmental felsic volcanics and pyritic exhalite horizons, lead to the conclusion that Kuroko style VMS deposits may be located on the property.

In 1990, Granges Inc., optioned the property from Cascade Pacific Resources Ltd., and completed an airborne magnetic, Electromagnetic and VLF survey (Kilin, 1990). A follow-up exploration program in 1991 consisting of ground investigation of airborne geophysical anomalies, prospecting, line-cutting with soil sampling and mapping, contour soil sampling, blast trenching, EM geophysics, and thin section petrography (Solkoski, 1991). The conclusions from this work program was that the property had potential for VMS-type mineralization and that further work should be conducted. A small two stage program of mapping and sampling was completed by Granges Inc., in 1992, and was reported on by Downing, 1993. The program consisted of mapping and sampling but only 44 rock and 4 soil samples were collected in total. The author concluded that ... " There are some indications of a VMS deposit setting, although there is no surface outcropping of 'ore grade' mineralization." He also indicated that the presence of massive pyrite, fragmental and felsic volcanics, exhalite, ferricrete and alteration are all indicative of possible VMS mineralization.

The Mamu and Bravo claims were optioned to Oro Bravo Resources Ltd., in early 1995 and a program of griding, mapping sampling and Magnetometer and VLF-EM surveys were completed in 1995 (Doherty, 1996).

GEOLOGY

Regional Geology

The property is situated within the Pelly-Cassiar Platform (Figure 3), which is comprised mostly of moderately faulted and folded Paleozoic miogeoclinal clastic and carbonate sedimentary rocks and volcanic rocks that were deformed during Mesozoic arc-continent collision, and intruded by mid Cretaceous plutons of intermediate composition (Tempelman-Kluit, 1981). The Ketza-Seagull District is bounded on the northeast by the Tintina fault which has postulated right lateral strike slip displacement in excess of 450 km. This area of the Cassiar platform is characterized by four significant northeast directed thrust panels that are parallel to the Tintina Fault (Abbott, 1986). From northeast to southwest and from structurally lowest to highest, they are: the St. Cyr thrust fault; the Cloutier thrust fault; the Seagull-Porcupine thrust; and, the McConnell Thrust fault. The most prominent feature in this area of the Cassiar Platform is the Ketza-Seagull Arch (Abbott, 1986). The Ketza-Seagull Arch is an elongate, northwest-trending window through the Porcupine-Seagull thrust that is most probably related to a buried Cretaceous intrusion (Abbott 1986). The Mamu property which is the subject of this report is located just north of the McConnell Thrust and on the south side of a large Mississippian syenite intrusion. Structures within the window are characterized by steeply dipping normal faults.

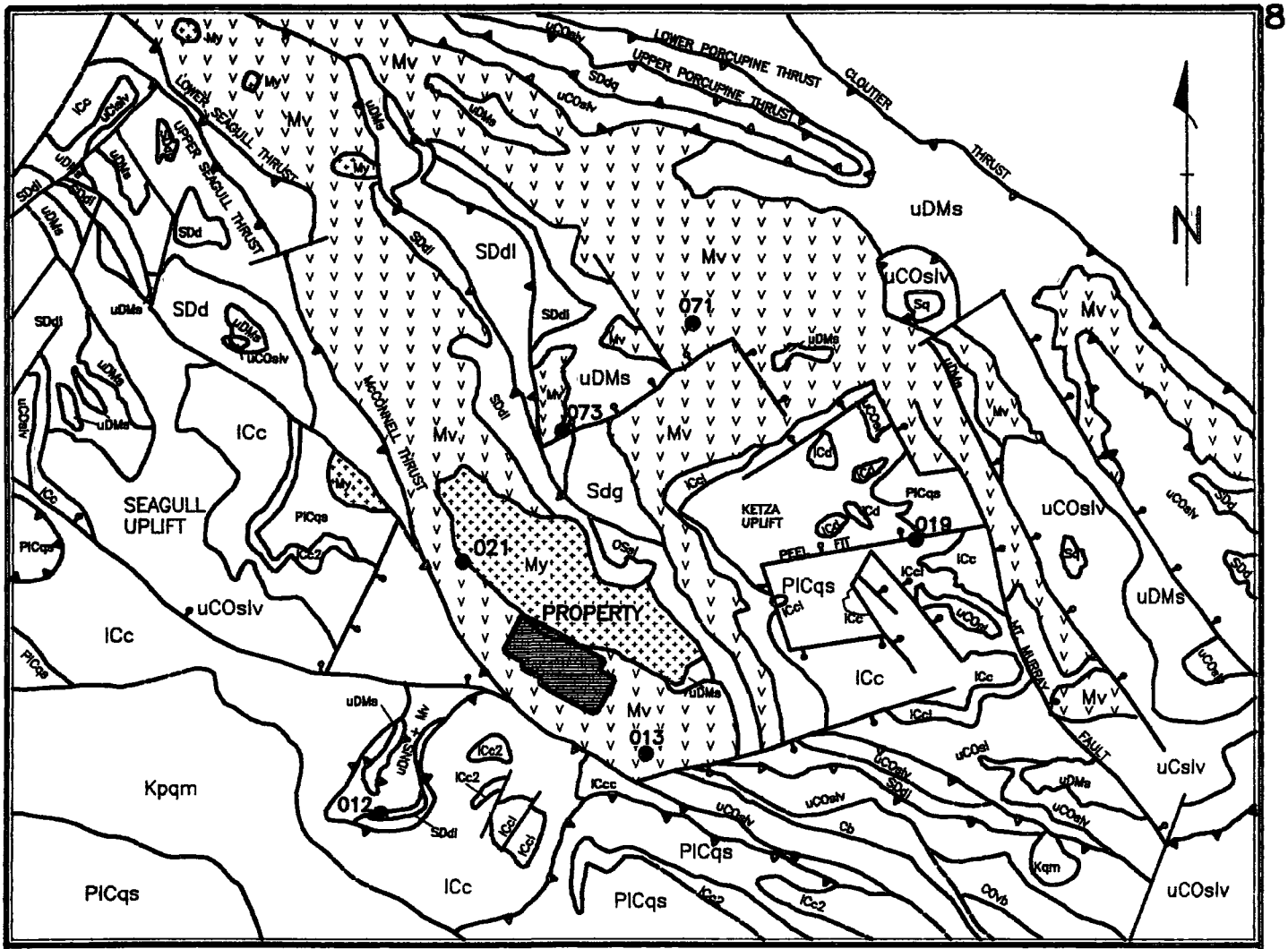
A package of Mississippian volcanic rocks overlies the Palaeozoic platform carbonates and is intruded by the syenite, (Morin,1979)

Regional Metallogeny

Regional metallogeny of this portion of the northern Cordillera is characterized by Kuroko style VMS occurrences associated with Devonian-Mississippian volcanics in the Cassiar Platform; and gold and base metal occurrences and deposits spatially related to two domal uplifts or arches named the Ketza and Seagull Arches (Abbott, 1986). The Ketza River gold mine is an auriferous sulphide/oxide manto and chimney in thin bedded to massive grey limestone. The mantos occur in Lower Cambrian sedimentary rocks just below the lower contact of laminated greenish grey mudstones overlying the grey limestones. The genesis of the Ketza River gold deposits are thought to be related to a buried Cretaceous intrusion beneath the Ketza Arch (Abbott, 1986)

Most of the epigenetic veins in the district consist of galena, sphalerite, quartz , and siderite, with or without pyrite, pyrrhotite, arsenopyrite, chalcopyrite, and tetrahedrite. Most veins or pods occur along well defined faults with small displacements.

Kuroko style VMS occurrences have been recognized from the Mississippian volcanics since the 1970's (Morin, 1977; Mortensen, 1982; Mortensen and Godwin,1982). The Mamu-Bravo-Kulan property, the MM, Cherpnough, Bnob, and Tree occurrences have characteristics that typify VMS deposits. The locations of all these occurrences are shown on Figure 3.



LEGEND

CRETACEOUS
- Kqm — QUARTZ MONZONITE
- Kpqm — PORPHYRITIC QUARTZ MONZONITE

MISSISSIPPIAN
- My — SYENITE
- Mv — MAFIC AND FELSIC VOLCANICS

DEVONIAN/MISSISSIPPIAN
- uDMs — GRAPHITE SHALES

SILURIAN/DEVONIAN
- SDd — DOLOMITE, MUDSTONE, DOLOMITIC SILTSTONE
- SDdl — SANDY DOLOMITE
- SDdq — DOLOMITE, DOLMITIC SANDSTONE

SILURIAN
- Sq — ORTHOQUARTZITE

ORDOVICIAN/SILURIAN
- OSsl — SLATE

CAMBRO-ORDOVICIAN
- COrb — BASALT
- uCOslv — PHYLLITE AND "GREENSTONE"
- uCOsl — PHYLLITE

CAMBRIAN
- Cb — DIABASE/DIORITE
- lCc2 — MARBLE
- lCd — DOLOMITE
- lCc — CALCAREOUS ARGILLITE
- lCcl — LIMESTONE

PROTEROZOIC AND/OR LOWER CAMBRIAN
- PICqs — SHALE, SANDSTONE

THRUST FAULT

NORMAL FAULT

PROPERTIES

MINFILE #	PROPERTY	DEPOSIT TYPE
105F-019	KETZA RIVER MINE	(Au – Ag)
105F-012	MM DEPOSIT	(VMS)
105F-021	MATT CREEK	(VMS)
105F-073	BNOB	(VMS)
105F-071	CHZERPNOUGH	(VMS)
105F-013	CPA	(VMS)

5 2.5 0 1 2 3 4 5
kilometres

after Tempelman-Kluit 1977 GSC Open File 486

PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA — R. A. DOHERTY

ORO BRAVO RESOURCES

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

REGIONAL GEOLOGY

Aurum Geological Consultants Inc.		Date: NOVEMBER, 1996	
NTS: 105 F	Drawn: JC	Scale: 1:250000	Figure: 3

Property Geology

The Mamu property covers a package of Mississippian volcanics and Devonian sedimentary rocks intruded by or in faulted contact with a Mississippian intrusive complex consisting of syenite, diorite, monzonite, quartz monzonite, and gabbro (Burson 1989; Solkoski, 1991; Downing, 1993; and Reynolds, 1994). The main intrusive body is an elongate 12 km long by 3 km wide northwest trending pluton outcropping on the north side of the Mamu-Kulan claims. Intrusive complex lithologies that outcrop on the property consist of dykes or sills or a small stock of intermediate composition (Diorite according to Downing, 1993).

The Mississippian volcanic-sedimentary rocks consist of: 1)intermediate volcanics comprising tuff, breccia, flows, and minor felsic volcanics; 2) felsic volcanics including rhyolite, limonite pitted rhyolite, rhyolite-trachyte; 3) argillite and phyllite. Pyritic chert or pyritic chert rhyolite found on the property are thought to represent exhalative horizons within the volcanic stratigraphy. According to Reynolds (1994) most showings on the property exhibit some form of pyritic or siliceous exhalite. The exhalites appear to be associated with both intermediate and felsic volcanic units.

The volcanics and sedimentary rocks are variably altered. Most alteration consists of a phyllic assemblage of quartz-sericite-carbonate-pyrite. Secondary biotite or chlorite are present in significant amounts in some areas. Ankerite, fluorite, and tremolite-actinolite are reported both from mapping and petrographic reports (Solkoski, 1991; Downing, 1993). Most sulfides have been oxidized to limonite and other Fe-oxides.

Mineralization

Mineralization located to date on the property consists of: 1) disseminated pyrite in exhalite horizons, 2) massive bedded pyrite, and 3) quartz veins and quartz breccias containing pyrite, +/- sphalerite, tetrahedrite, galena, and chalcopyrite. The most important occurrences are shown on the property geology compilation (Figure 4) and are briefly described below:

Main Showing (Location 1, Figure 4)

This showing is located on Camp Creek and was trenched by Granges Inc., in 1991. The showing consists of a stratigraphic horizon of 1.0 to 1.8 m thick massive pyrite.

Gully Showing (Location 2, Figure 4)

This showing is 300 m east of the Main Showing and consists of massive pyrite which is both stratabound and stratiform. The massive pyrite grades into a small zone

of siliceous exhalite.

Granges Showing (Location 3, Figure 4)

The Granges showing was located by L.R. Solkoski in 1991 and is located 450 m southeast of the Main showing. It consists of a 0.5 to 1.0 m wide zone of exhalite which contains visible grains of sphalerite, galena, chalcopyrite, and tetrahedrite. Sampling by Granges Inc. returned values of 62,000 (6.2%) Zn, and 2.5 % Pb (Figure 4). One sample returned 36.1 ppm Ag, (Solkoski, 1991). These results indicate that the exhalite horizons can contain anomalous base metal values. The Granges showing may be continuous with the exhalite showing.

Exhalite Showing (Location 4, Figure 4)

A number of zones of siliceous exhalite are exposed along the prominent ridge that runs parallel to L7000E on the 1995 grid. Although anomalous base metal values are generally low in rocks one of the 1995 multi-element soil anomalies is coincident with this zone of exhalites.

There is an overall strong correlation between the locations of the anomalous 1995 -1996 soil geochemistry and the above listed showings. The Granges showing is not well reflected in the soil geochemical results probably because the grid area just reaches the showing, and because there is poor soil development over this area.

Ferricrete Zones (Location 5, Figure 4)

A number of Ferricrete zones are exposed on the property and consist of iron oxide cemented talus materials. There is some evidence of active hot spring deposits associated with the ferricrete zones. Both the ferricrete zones and the hot fossil hot springs represent hydrothermal processes that post date the formation of volcanogenic massive sulphide mineralization.

Pb-Zn Veins (Location 6, Figure 4)

A swarm of galena and sphalerite bearing quartz veins are found on the ridge at the northeast side of the 1995-96 grid. There is a strong gossan over this part of the ridge and an inferred fault separates the felsic volcanics from the Mississippian syenite.

A compilation showing the locations of outcrops, gossans and surface rock sample geochemistry is shown in Figure 5.

GEOCHEMISTRY

Introduction

Between August 2-27, 1996 a five man crew from Aurum Geological Consultants Inc., added an additional 18.6 line kilometres of cut and picketed grid and collected 904 soil samples. During the same period magnetometer and VLF-EM geophysical surveys were completed by Amerok Geosciences Ltd. The new grid was added onto the 1995 grid on the central portion of the Mamu claims. The total combined 1995 and 1996 grids are 48.6 line km of grid with 2082 soil samples. The location of the present grid with respect to previous grids put in by Cascade Pacific and Granges Inc., is shown on the Property Compilation Map (Figure 4).

Grid Soil Sampling

Lines were spaced at 50 m and picketed at 25 m centres. All lines were soil sampled at 25 m intervals. A total of 904 soil samples were collected and all 1995 and 1996 soil data was plotted and contoured.

All analytical work was completed by Acme Analytical Laboratories Ltd., using a 31 Element ICP package. The 1995 results were statistically analyzed by A.H. Giroux P.Eng of Montgomery Consultants Ltd., and the threshold and anomalous values derived from those calculations was used to plot the results (Doherty, 1996). Geochemical analyses, statistics and correlation matrix for 1995, 1996 and combined 1995-96 sample results are found in Appendix A.

The contoured soil geochemistry is plotted in Figures 6-11, for Cu, Pb, Zn, Cd, Ba, and Fe. There are three strong multi-element soil geochemical anomalies that have an apparent trend of 131° across the centre of the grid. Anomaly 1 is a 700 m by 300 m multi-element anomaly that extends from 4900N/5880E to 5200N/6500E. It is flanked on the southeast side by a magnetic high and a VLF-EM conductor. Anomaly 2 is located approximately 200 m south east of anomaly 1 and measures 800 m by 200 m. Anomaly 2 extends from 4800N/6350E to 5050N/7100E. Anomaly 3 is centred about 5500N/6700E and measures 300 m by 200 m. This anomaly is open ended to the southeast.

The anomalous areas are best defined by Cu, Pb, Zn contoured geochemical soil results (Figures 6 - 11). Copper because of its greater mobility shows a wider dispersion than lead or zinc.

Trench Samples

Nineteen rock grab samples were collected from two hand blasted trench located

on L6000E just north of the baseline. The trenches were located over an area of anomalous soil geochemistry. The trenching was completed in early October 1996 and results are listed in Figure 5. The trenches did not reach solid bedrock and the best analytical results were 1369 ppm Zn from sample 128901 and 725 ppm Pb from sample 128915.

GEOPHYSICS

Introduction

A total field magnetic survey and a very low frequency electromagnetic (VLF-EM) survey was completed over 45.5 line kilometres of grid. A total of 14.5 line kilometres was surveyed in 1995 and the remaining 31 line kilometres were surveyed in 1996. Both the 1995 and 1996 surveys were completed by Amerok Geosciences Ltd., of Whitehorse. Readings were taken at 12.5 m spaced stations on 50 m spaced lines.

Magnetometer Survey

The total field magnetic data is presented in contoured form in Figure 12. A prominent magnetic high with 50 nT relief is located between lines 6250E and 6700E and extends north from the baseline for 200 m. This magnetic high is coincident with Anomaly # 1 from the soil geochemical data and is also coincident with a VLF-EM conductor. This anomaly is the best exploration drill target on the current grid.

A second large magnetic high runs across the grid from 4700E to 5800E and most likely represents a faulted contact between the Mississippian volcanics and the Mississippian syenite. There is no geochemical anomalies related to this magnetic high.

VLF-EM Survey

Results of the VLF-EM survey are plotted in Figure 13. The survey located several weak conductors striking 180° and 135°. The 135° trending conductor flanks the prominent magnetic high along the baseline and is also located between soil anomalies 1 & 2.

Discussion

At present the best VMS target at the Mamu-Bravo-Kulan Claims is located on the 1995-96 grid just north of the baseline between 6300E and 6600E. This area has coincident Magnetic, VLF-EM and multi-element (Pb, Zn, Cu, Fe, and Cd) soil geochemical anomaly that extends over a strike length of greater than 700 m. The anomalies are slightly offset to the southwest such that the magnetic anomaly is slightly displaced with respect to the multi-element soil geochemical anomaly and the VLF-EM is displaced southwest with respect to the magnetic anomaly.

The magnitude of the anomalies is what would be expected from a deposit model with dimensions of 600 m by 400 m. The soil and rock geochemical data indicate that the system is zinc rich (i.e. Zn > Pb > Cu) and as such the geophysical responses may be less obvious than over copper rich systems. It may be advisable to run a Max-Min survey over the better Magnetic and VLF-EM targets to better define drill targets. Also there are a number of additional coincident Magnetic and VLF-EM airborne geophysical targets within the claim block that should be evaluated prior to commencing diamond drilling. This work should be completed to insure that the best combined geological. geochemical and geophysical targets are drilled tested.

In particular the area north of the White River (Granges Grid 1, Figure 4) should be re-evaluated as a potential target.

CONCLUSIONS AND RECOMMENDATIONS

The 1996 property work on the Mamu/Bravo/Kulan claims has extended the multi-element soil geochemical anomalies and located a third anomaly which is presently open on the southeastern side of the grid. There are three strong multi-element soil geochemical anomalies that have an apparent trend of 131° across the centre of the grid. **Anomaly #1** is a multi-element anomaly that extends from 4900N/5880E to 5200N/6500E, and measures 700 m by 300 m. It is flanked on the southeast side by a magnetic high and on its southern side by a VLF-EM conductor. **Anomaly #2** is a multi-element soil geochemical anomaly located approximately 200 m south east of Anomaly 1 and measures 800 m by 200 m, the anomaly extends from 4800N/6350E to 5050N/7100E. **Anomaly #3** is a multi-element soil geochemical anomaly centred about 5500N/6700E and measures 300 m by 200 m. This anomaly is open ended to the east.

The soil geochemical data shows coincident Pb, Cu, Zn, Cd, Ba, and Fe anomalies. Mo is also weakly anomalous and correlates with Cu, Pb, Zn; this geochemical association is apparently common in the Finlayson Lake area which hosts the Kudz Ze Kayah and Wolverine deposits. In the Finlayson area when Mo is present it commonly considered to be a positive indication for the presence of VMS mineralization hosted in felsic volcanics.

The coincident Magnetic, VLF-EM and multi-element Cu, Pb, Zn soil geochemical anomaly is the best exploration target located to date on the property. This anomaly should be further investigated by diamond drilling.

A number of other co-incident airborne VLF-EM and Magnetic anomalies are located on the property and these should be investigated further by griding, mapping, and soil sampling to determine if any of them warrant drill testing.

The main anomaly on the 1995-96 grid should be further tested using a Max-Min geophysical survey to better define a drill target. Other coincident airborne geophysical anomalies should also be tested to insure that the best anomalies are drilled.

Additional detailed mapping and grid geochemical sampling should be completed to better define the volcanic stratigraphy and to attempt to locate stratigraphic markers. In particular the present gridded area should be extended to the east to close off Anomaly #3.

The following work program is warranted and recommended at an estimated cost of $450,000.

1. An additional 45 line kilometres of griding, mapping, soil sampling and ground Magnetometer and VLF-EM survey on the eastern side of the existing grid. Grid lines from L6000E to L7500E should be extended to 6500N and new lines should be added

magnetic anomaly on the east side of the existing grid and should close off Anomaly #3.

2. The area north of White Creek (Granges Grid #1, Figure 4) should be re-evaluated by soil sampling, mapping, and a Max-Min geophysical surveys to determine if the area should be drill tested. Prior to the 1997 field season the airborne and ground geophysical data should be reviewed and evaluated by a geophysicist.

3. A tote trail should be constructed from existing roads west of the Ketza River Mine to access the area of the 1995-96 grid to support the proposed 1997 drill program.

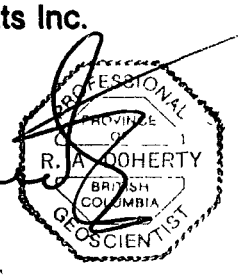
4. The area of coincident multi-element soil geochemistry, magnetic and VLF-EM Anomalies should be further tested using Max-Min geophysical surveys to better define the target depth and attitude of a potential mineralized target. The anomaly should be drill tested by completing four diamond drill holes totalling 1500 metres (5000 feet).

The costs to complete this work program are estimated as follows:

1997 Mamu-Bravo-Kulan Estimated Property Budget

1 500 m NQ core drilling @ $80/ m:	$120 000.00
Geological Supervision:	$17,500.00
Geological support staff:	$30,000.00
45 Line km picketed & slope corrected grid:	$18,000.00
45 Line km Magnetic and VLF-EM geophysical Surveys	$14,000.00
5 Line Km Max-Min geophysical Surveys :	$10,000.00
Analytical (2 500 samples @ $20/sample):	$50,000.00
Truck rental & Maintenance:	$5,000.00
Helicopter costs:	$40,000.00
Camp and Supplies	$40,000.00
Caterpillar rental (200 hrs @ $150/hr.)	$30,000.00
Surveying:	$5,000.00
Fuel (5 000 litres @ $0.80/litre):	$4,000.00
Environmental monitoring and baseline studies:	$5,000.00
Report Costs:	$15,000.00
Contingency:	$46,500.00
Total Estimated Costs - 1997 Mamu-Bravo-Kulan Project:	**$450,000.00**

Respectfully submitted,
Aurum Geological Consultants Inc.



R. Allan Doherty, P.Geo.
December 5, 1996

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STATEMENT OF QUALIFICATIONS (RAD)

I, R. Allan Doherty, with business address:
Aurum Geological Consultants Inc.
205 - 100 Main Street
P.O. Box 4367
Whitehorse, Yukon
Y1A 3T5

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon.

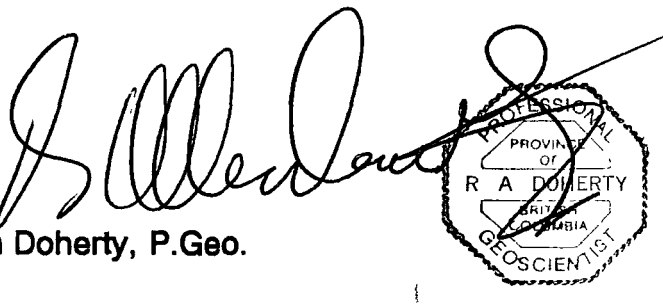
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland (1978-81). I have been involved in geological mapping and mineral exploration continuously since then.

3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564.

4. I supervised the 1996 work program and prepared this report on the Mamu-Bravo-Kulan Claims which is based on data collected during property work completed between August 2-27, 1996 by Aurum Geological Consultants Inc. and on referenced reports.

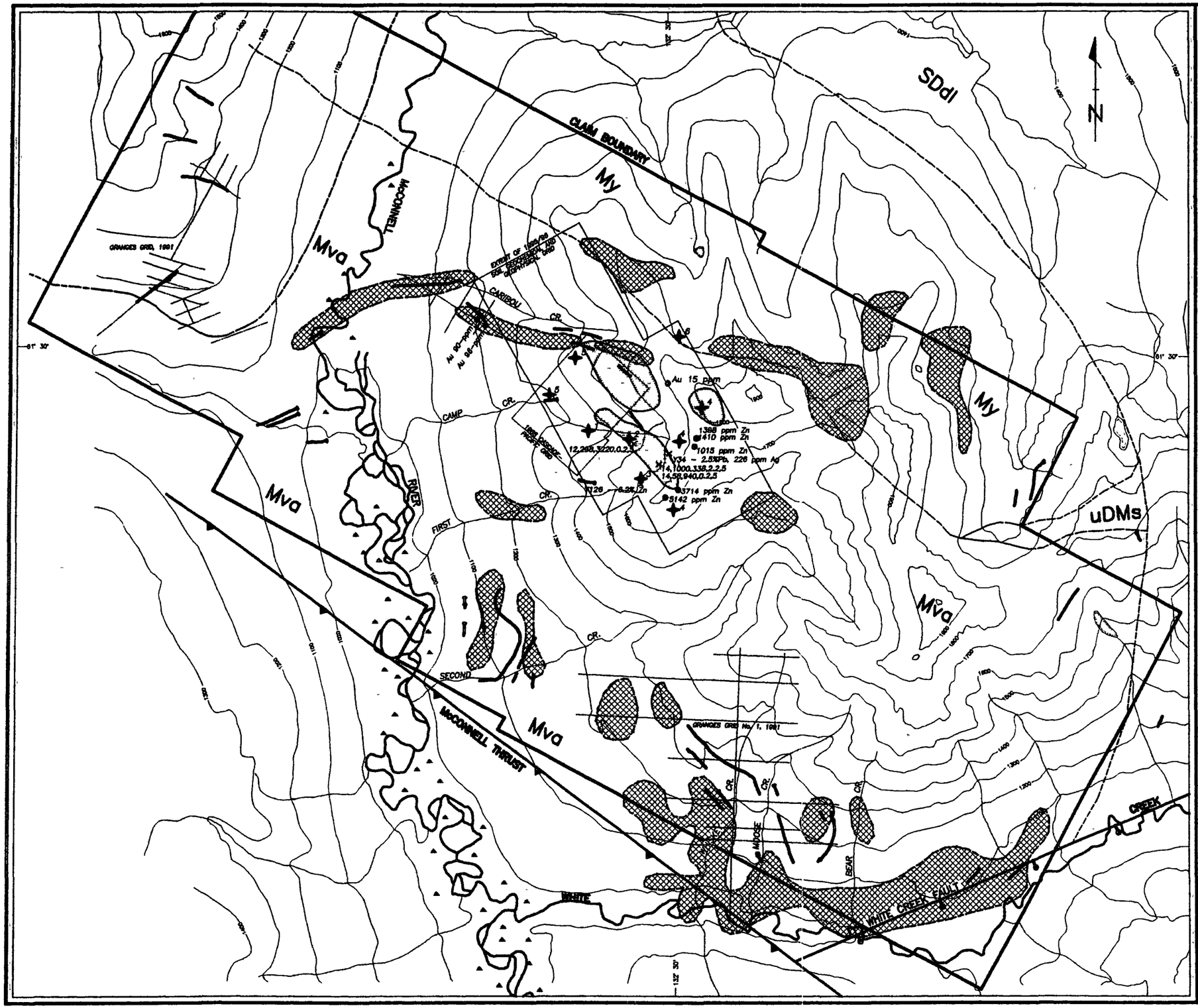
5. I have no direct or indirect interests in the properties or securities of Oro Bravo Resources Ltd.

6. I consent to the use of this report by Oro Bravo Resources Ltd., provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.



December 5, 1996 R. Allan Doherty, P.Geo.

APPENDIX A
FIGURES 4-13



LEGEND

LITHOLOGY

MISSISSIPPIAN

Mva HETEROGENEOUS, RUSTY, BLACK, WHITE, AND ORANGE WEATHERING LAPILLI TUFF, VOLCANIC BRECCIA AND FLOW ROCKS RANGING IN COMPOSITION FROM TRACHYTE TO ANDESITE. BLACK ARGILLACEOUS SLATE, SILICEOUS PALE GREY TO GREEN CHERT AND FELSIC TUFFS ARE LOCALLY ABUNDANT. WEAKLY TO STRONGLY FOLIATED SO THAT PRIMARY TEXTURES ARE MASKED.

My RESISTANT, MASSIVE MEDIUM TO FINE GRAINED EQUIGRANULAR SYENITE. CONTAINS UP TO 90% K-FELDSPAR (PERTHITE) AND 10-20% FERRO-MAGNESIAN MINERALS. LOCALLY HAS UNDERGONE STRONG SILICIFICATION AND EPIDOTE ALTERATION.

UPPER DEVONIAN AND MISSISSIPPIAN

uDMs BLACK RECESSIVE WEATHERING, WITH RUSTY STREAKS, THIN BEDDED BLACK SILICEOUS SLATE WITH MINOR INTERBEDDED CHERT GRAIN GREYWACKE AND CHERT GRANULE GRIT; INCLUDES LENSES OF INTERMEDIATE TO ACID VOLCANIC ROCKS AND BARITE, UNDIFFERENTIATED.

MIDDLE AND UPPER DEVONIAN

SDdl RESISTANT, THICK BEDDED TO MASSIVE, RED WEATHERING COARSELY SUCROSE DOLOMITE; MINOR SANDY DOLOMITE.

MINERALIZED SHOWINGS

1 ..... MAIN SHOWING
2 ..... GULLY SHOWING
3 ..... GRANGES SHOWING
4 ..... EXHALITE SHOWING
5 ..... FERRICRETE ZONES
6 ..... LEAD-ZINC VEINS

SYMBOLS

..... THRUST FAULT
..... NORMAL FAULT
..... ELEVATION CONTOUR (100m)
..... CREEK
..... RIVER
..... LAKE
..... EM CONDUCTOR
..... AIRBORNE MAGNETIC HIGH (> 58340 nT)
..... PRE-1995 GRIDS
..... SOIL SAMPLE (AS SHOWN)
..... ROCK SAMPLE (Cu,Pb,Zn,Ag,Au)
..... AREA OF COINCIDENT Cu-Pb-Zn GEOCHEMICAL ANOMALY

500 250 0 100 200 300 400 500
metres

after Solkoski 1991, Reynolds 1994

PROFESSIONAL ENGINEERS PROVINCE OF BRITISH COLUMBIA R. A. DOHERTY

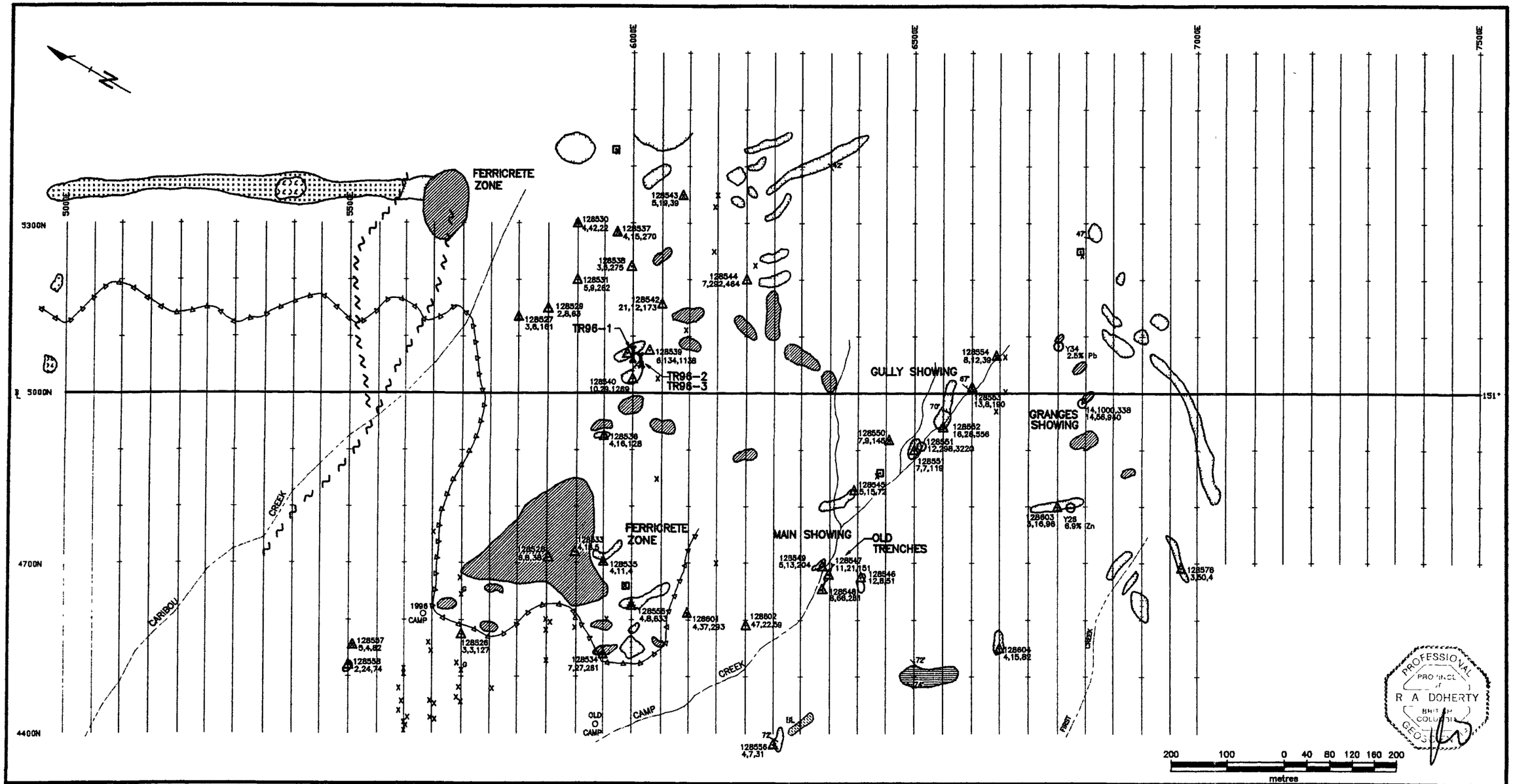
ORO BRAVO RESOURCES LTD.

BRAVO-MAMUT-KULAN

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

GEOLOGICAL COMPILATION

Aurum Geological Consultants Inc.	Date: DECEMBER, '998	
NTS: 105 E	Drawn: JC	Scale: 1:30000	Figure: 4



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R A DOHERTY
GEOSCIENTIST

LITHOLOGY

- Sy — SYENITE: MASSIVE INTRUSIVE SYENITE, MEDIUM GRAINED, K-FELDSPAR, BIOTITE, HORNBLENDE-PROXENE. <5% QUARTZ, INCLUDES INTRUTIONS OF RELATIVELY YOUNGER QUARTZ VEINS WITH FLOURITE MINERALIZATION.
- DI — DIORITIC DYKES AND SMALLER INTRUSIVE DOMES WITHIN THE SYENITE. FINE GRAINED, FELDSPAR AND MAFICS (HORNBLEND, PYROXENE). CONTAINS SMALLER AMOUNTS OF PYRITE CRYSTALS.
- BL — BIOTITE LAMPROPHYRE DYKE
- Vm — VOLCANIC FLOW ROCK, PROBABLE RHYOLITIC TUFF. DISTINCT FLOW STRUCTURE, LAPILLI, AND ELONGATED XENOLITHS. CONTAINS MASSIVE PYRITE IN SOME BLACK SHALE SERICITE ALTERED SUB-UNITS. INDICATION OF RECENT SULFUR SPRING FLOWS.
- Ph — PHYLLITIC SLATE WITH SERICITIC ALTERATION.

LITHOLOGY

- 25 m INTERVAL
- 1995/96 SOIL GRID
- FAULT, INFERRED
- AREA OF OUTCROP
- TALUS BOUNDARY
- CLAIM POST
- CREEK
- OUTCROP, SMALL (G-GOSSAN)
- EXTENT OF GOSSAN
- TRENCH, PRE-1996
- TRENCH, 1996
- 1996 AURUM ROCK SAMPLE
- 96335500 — SAMPLE NUMBER
- 2,24,74 — ASSAY (Cu,Pb,Zn) ppm
- 1989-91 ROCK SAMPLES (APPROX. LOCATION)
- Y36 — SAMPLE NUMBER
- 2,24,74 — ASSAY (Cu,Pb,Zn) ppm

1996 TRENCH ASSAY RESULTS

	SAMPLE NUMBER	Cu,Pb,Zn
TR96-1 (L600DE) 5080N	128901	20,221,1386
	128902	10,7,365
	128903	6,3,325
	128904	34,845,851
	128905	8,4,286
	128906	12,99,453
	128907	2,6,272
5073N	128908	2,4,478

	SAMPLE NUMBER	Cu,Pb,Zn
TR96-2 (L6013.5E) 5066N	128909	2,191,516
	128910	4,7,806
	128911	1,<3,230
	128912	3,<3,1173
	128913	2,4,1953
	128914	19,725,506
	128915	2,17,525
5061N	128916	3,15,481
5060N	128917	2,<3,270
TR96-3	128918	2,11,851
5058N	128919	12,21,574

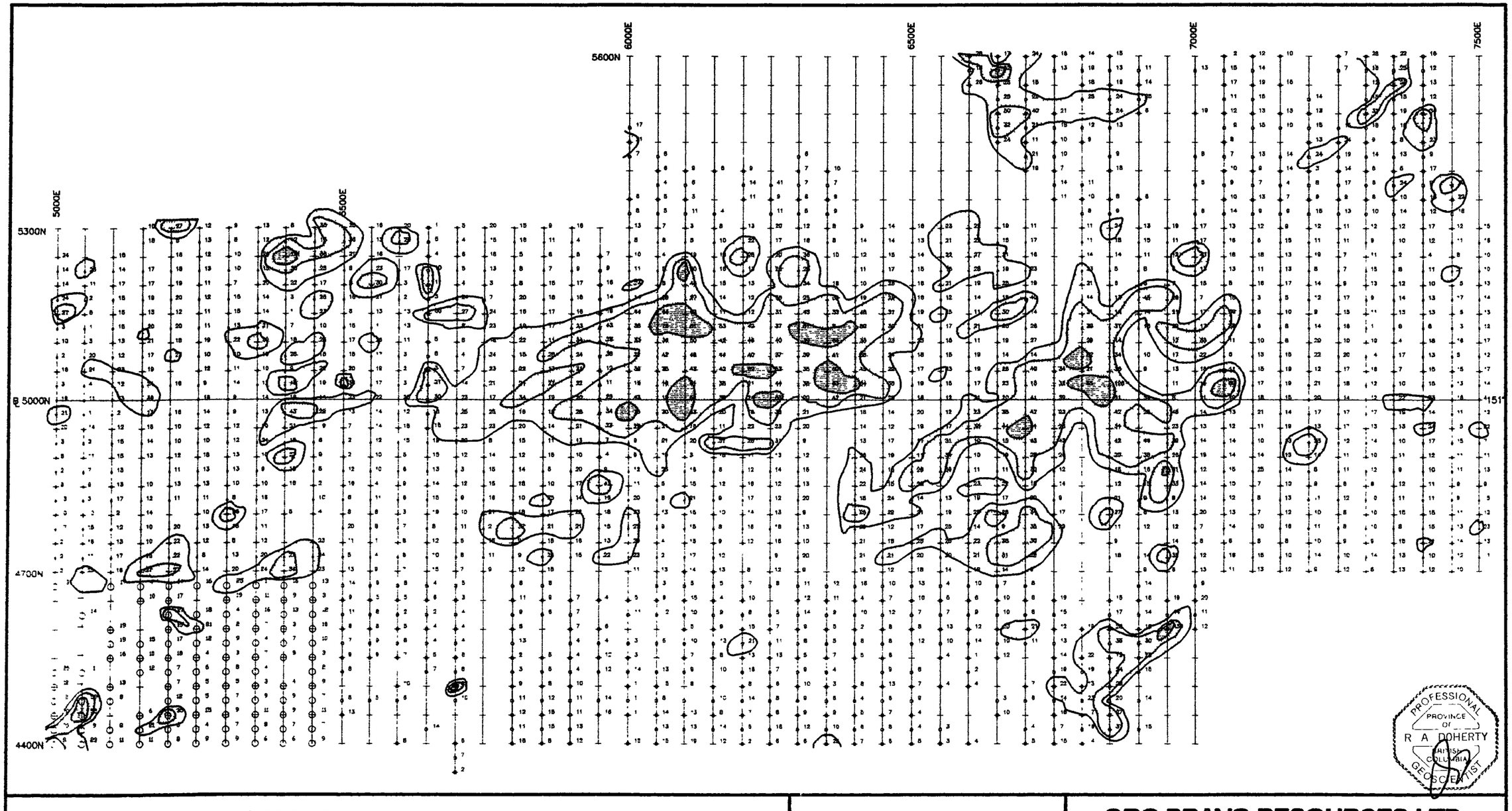
ORO BRAVO RESOURCES LTD.

MAMU-BRAVO-KULAN CLAIMS

GEOLOGICAL COMPILATION AND ROCK SAMPLE LOCATION

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 5

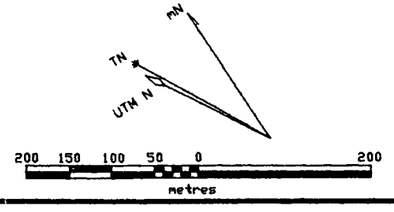


LEGEND

Cu

> 57 ppm	DEFINITELY ANOMALOUS	
27 – 50 ppm	ANOMALOUS	
21 – 26 ppm	SLIGHTLY ANOMALOUS	

- 1995 SOIL SAMPLE
- SUMMER 1996 SOIL SAMPLE
- FALL 1996 SOIL SAMPLE



PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
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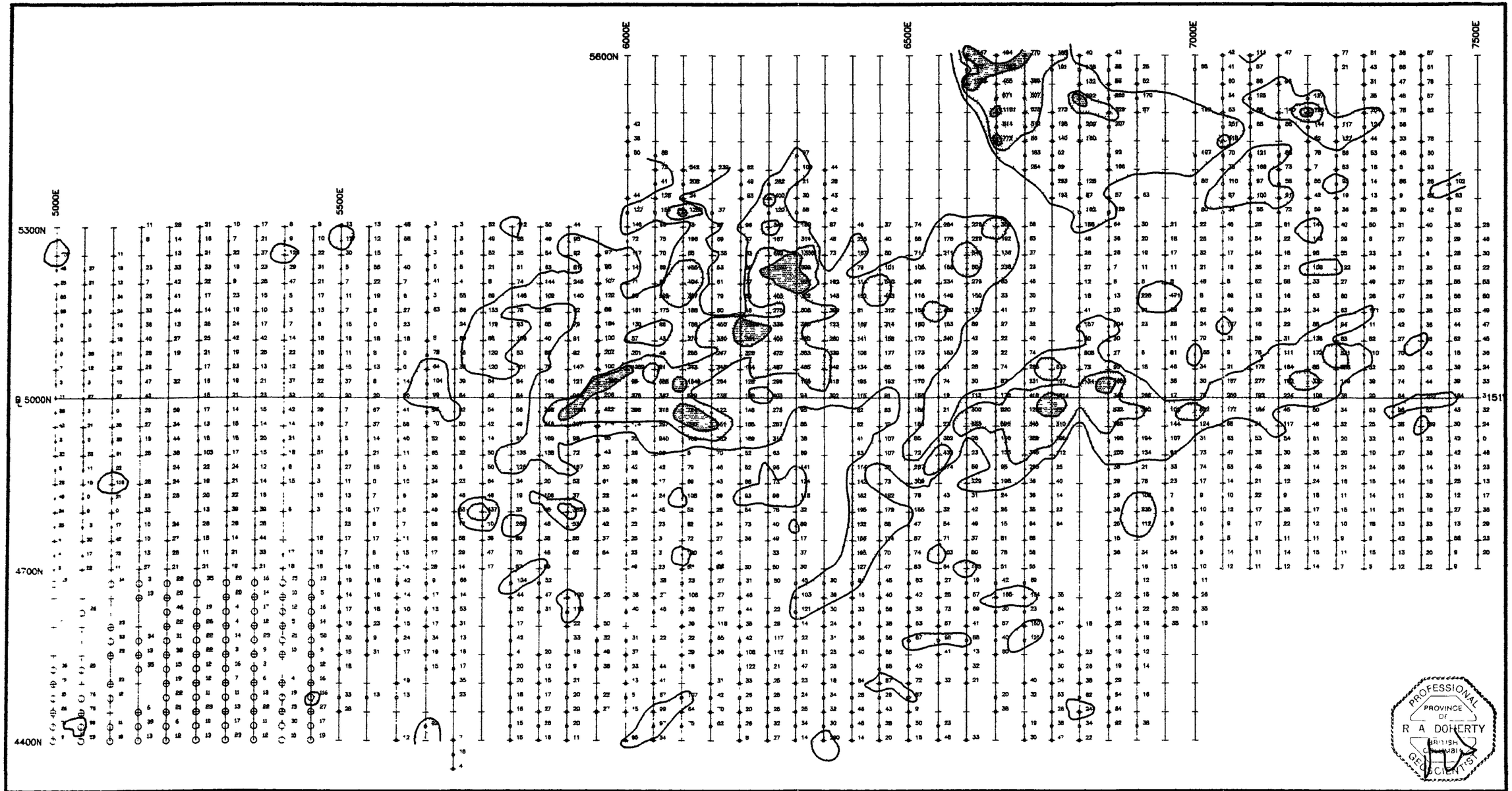
MAMU-BRAVO-KULAN CLAIMS

1995/96 SOIL GEOCHEMISTRY COPPER

Aurum Geological Consultants Inc.

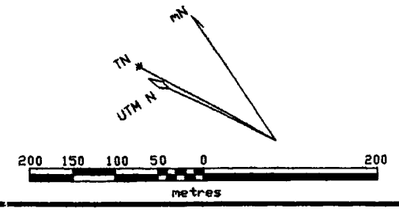
SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE. 6



LEGEND

Pb

> 700ppm	DEFINITELY ANOMALOUS	1995 SOIL SAMPLE
317ppm – 699ppm	ANOMALOUS	SUMMER 1996 SOIL SAMPLE
87ppm – 316ppm	SLIGHTLY ANOMALOUS	FALL 1996 SOIL SAMPLE



PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA R A DOHERTY GEOSCIENTIST

ORO BRAVO RESOURCES LTD.

MAMU-BRAVO-KULAN CLAIMS

1995/96 SOIL GEOCHEMISTRY LEAD

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 7

5000E 5500E 6000E 6500E 7000E 7500E

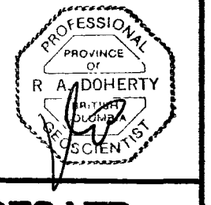
5600N

5300N

5000N

4700N

4400N

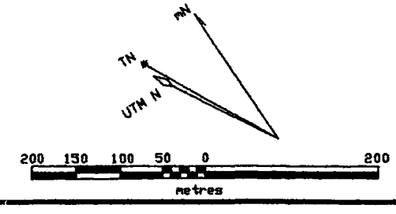


LEGEND

Zn

- > 1700ppm DEFINITELY ANOMALOUS
- 1200 – 1699 ppm ANOMALOUS
- 185 – 11999 ppm SLIGHTLY ANOMALOUS

- 1995 SOIL SAMPLE
- SUMMER 1996 SOIL SAMPLE
- FALL 1996 SOIL SAMPLE



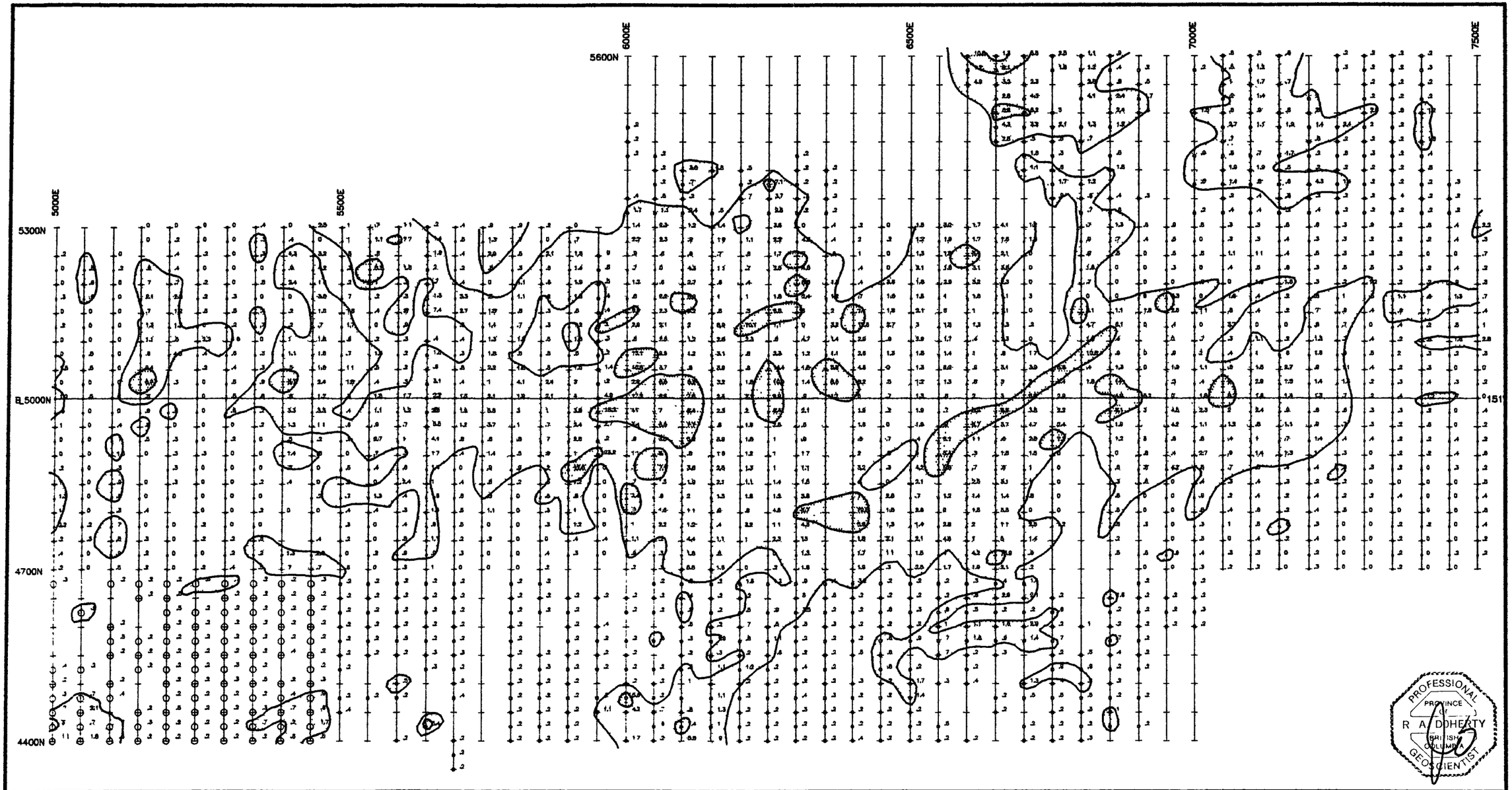
ORO BRAVO RESOURCES LTD.

MAMU-BRAVO-KULAN CLAIMS

1995 SOIL GEOCHEMISTRY
ZINC

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 8



LEGEND

Cd

- ☐ 0.55 – 5.13 ppm DEFINITELY ANOMALOUS
- ☐ > 5.14 ppm ANOMALOUS

- 1995 SOIL SAMPLE
- SUMMER 1996 SOIL SAMPLE
- FALL 1996 SOIL SAMPLE

200 150 100 50 0 200
metres

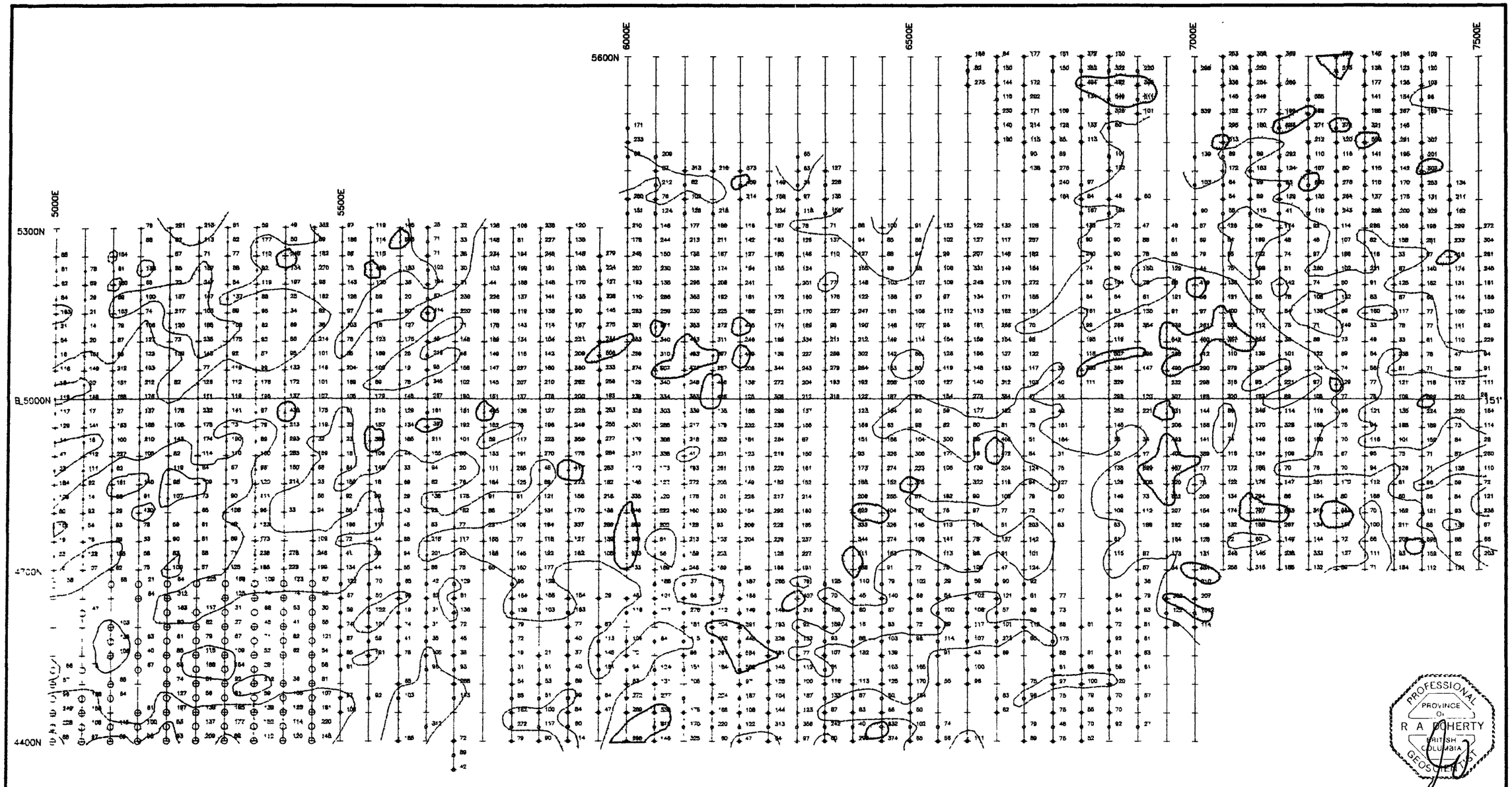
ORO BRAVO RESOURCES LTD.

MAMU-BRAVO-KULAN CLAIMS

1995/96 SOIL GEOCHEMISTRY
Cadmium

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 9



LEGEND

Ba

☐	96 – 374 ppm	DEFINITELY ANOMALOUS
☐	> 375 ppm	ANOMALOUS

- 180 1995 SOIL SAMPLE
- 95 SUMMER 1996 SOIL SAMPLE
- 95 FALL 1996 SOIL SAMPLE

mN
TN
UTM N

200 150 100 50 0 200
metres

ORO BRAVO RESOURCES LTD.

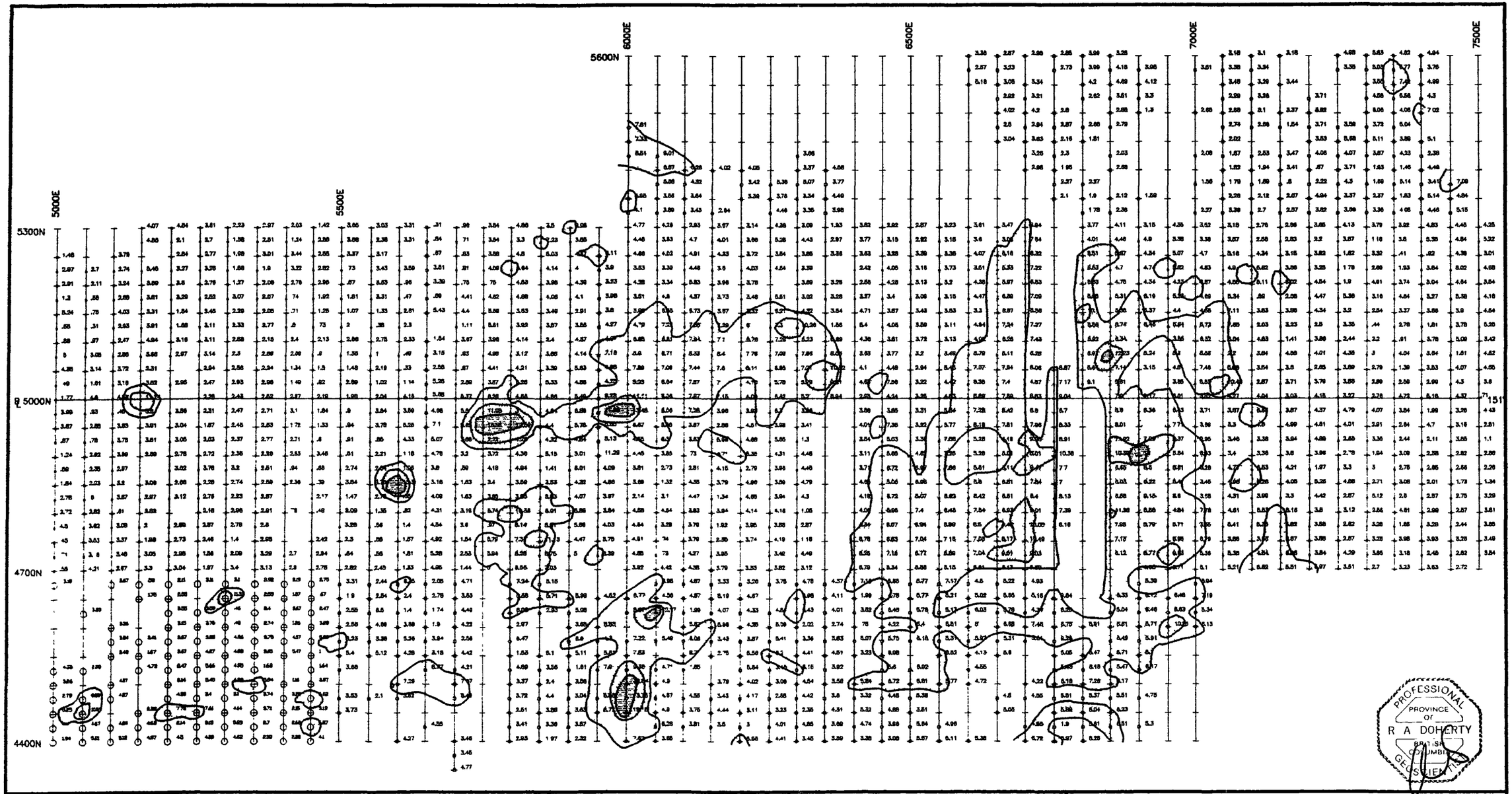
MAMU-BRAVO-KULAN CLAIMS

1995/96 SOIL GEOCHEMISTRY

Barium

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 10

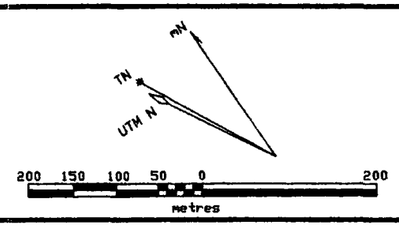


LEGEND

Fe

▒	> 12%	DEFINITELY ANOMALOUS
⁚	9.3% – 11.9%	ANOMALOUS
□	5.7% – 9.2%	SLIGHTLY ANOMALOUS

160 1995 SOIL SAMPLE
95 SUMMER 1996 SOIL SAMPLE
95 FALL 1996 SOIL SAMPLE



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R A DOHERTY
GEOSCIENTIST

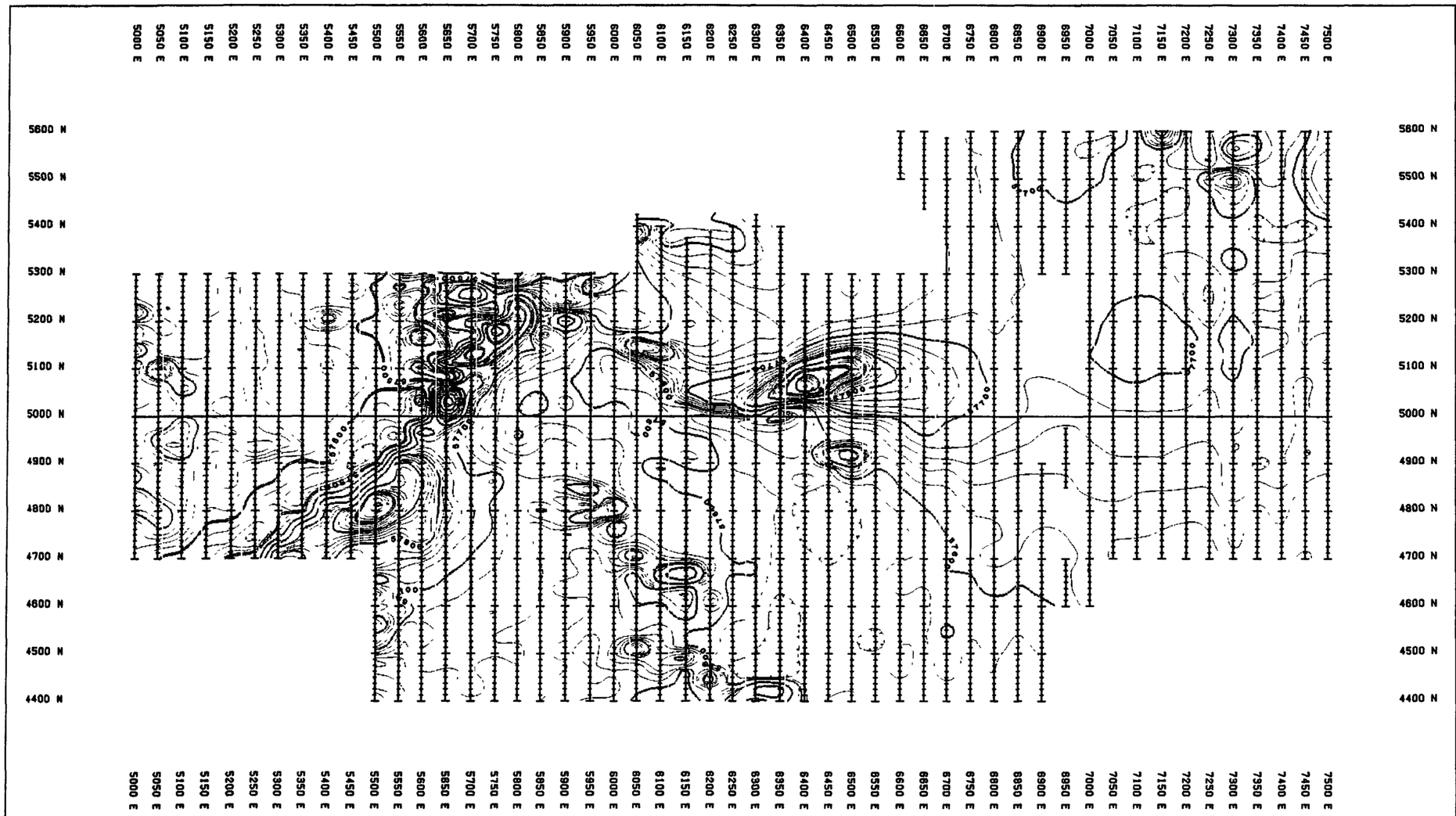
ORO BRAVO RESOURCES LTD.

MAMU-BRAVO-KULAN CLAIMS

1995/96 SOIL GEOCHEMISTRY IRON

Aurum Geological Consultants Inc.

SCALE: 1 = 7000		DECEMBER, 1996
NTS 105F/7,8,9,10	DRAWN: JC	FIGURE: 11



Contour interval: 20 nT

0 200 m

Scale: 1:10,000

ORO BRAVO RESOURCES LTD.
MAMU PROPERTY

TOTAL MAGNETIC FIELD

AMEROK GEOSCIENCES LTD.

Figure 12

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
R A DOHERTY

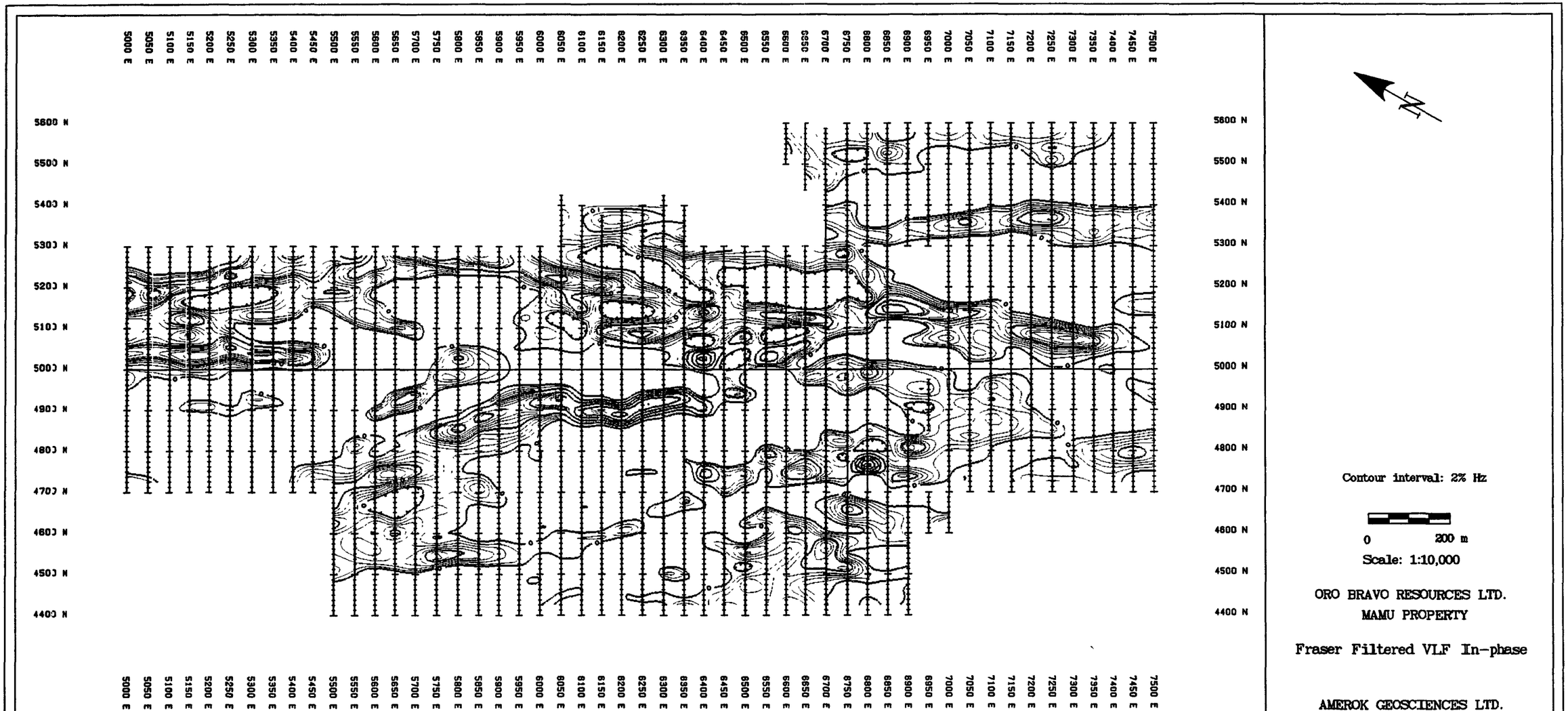


Figure 13

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
R. A. DOHERTY

APPENDIX B
GEOCHEMICAL ANALYSES
STATISTICS AND CORRELATION MATRIX

Acme Analytical Laboratories Ltd.
File 96-3975 254 soil samples
File 96-3976 23 rock samples
File 96-4176 13 rock samples 235 soil
File 96-4428 50 soil samples
File 96-5737 20 rock samples 99 soil samples

[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Ora Bravo Resources Ltd. File # 96-3975 Page 1

202 - 4746 E. Hastings St, Burnaby BC V5C 2K7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L5500E 4675N	6	14	19	122	<.3	10	8	1221	3.31	12	5	<2	8	8	<.2	<2	2	28	.11	.039	65	12	.61	122	.04	<3	1.31	.01	.18	<2	<5	<1	<1
L5500E 4650N	8	9	14	37	<.3	3	2	140	1.90	8	<5	<2	<2	7	<.2	<2	<2	17	.04	.026	60	5	.12	67	.02	<3	.73	.02	.10	<2	<5	<1	1
L5500E 4625N	9	11	17	42	<.3	2	1	105	2.55	9	<5	<2	<2	6	<.2	2	<2	19	.02	.050	46	5	.07	59	.01	<3	.92	.02	.10	<2	<5	<1	1
L5500E 4600N	6	8	15	62	<.3	5	3	286	2.56	12	<5	<2	6	6	<.2	<2	<2	29	.04	.021	51	8	.21	74	.04	<3	1.03	.01	.13	<2	<5	<1	2
L5500E 4575N	23	7	30	48	<.3	1	1	208	6.23	12	<5	<2	14	12	<.2	<2	<2	3	.01	.030	70	1	.06	87	.02	4	.61	.04	.28	<2	<5	<1	<1
L5500E 4550N	21	9	15	79	<.3	2	1	325	5.40	<2	<5	<2	13	6	<.2	<2	<2	16	.02	.032	37	2	.26	85	.07	<3	1.92	.02	.40	<2	<5	<1	<1
L5500E 4525N	11	8	18	133	<.3	2	2	1025	3.66	4	<5	<2	7	5	<.2	<2	2	18	.02	.031	79	3	.10	81	.02	<3	1.34	.01	.16	<2	<5	<1	5
L5500E 4475N	7	8	33	263	<.3	6	4	672	3.53	<2	<5	<2	7	8	.2	<2	<2	25	.09	.025	79	14	.25	97	.03	<3	1.71	.01	.09	<2	<5	<1	1
L5500E 4450N	6	13	28	596	<.3	9	5	1466	3.73	4	<5	<2	8	11	.4	<2	<2	25	.11	.027	104	19	.33	108	.04	<3	1.44	.02	.11	<2	<5	<1	4
L5550E 4675N	4	9	18	72	<.3	6	4	414	2.44	9	<5	<2	2	8	<.2	<2	2	23	.08	.031	35	8	.28	70	.04	<3	.83	.03	.11	<2	<5	<1	1
L5550E 4650N	6	5	19	31	<.3	3	1	112	2.54	8	<5	<2	3	5	<.2	<2	2	20	.03	.022	64	6	.10	50	.03	<3	.74	<.01	.06	<2	<5	<1	1
L5550E 4625N	12	8	18	43	<.3	1	2	106	6.50	12	<5	<2	2	16	<.2	<2	<2	13	.01	.048	39	3	.06	122	.01	<3	.70	.09	.35	<2	<5	<1	1
L5550E 4600N	13	8	23	66	<.3	1	2	207	4.69	21	<5	<2	5	10	<.2	<2	<2	11	.02	.028	40	4	.14	101	.02	<3	1.08	.03	.28	<2	<5	<1	1
RE L5550E 4575N	7	9	9	72	<.3	4	3	298	3.43	9	<5	<2	9	4	<.2	<2	<2	31	.03	.017	43	7	.16	60	.05	<3	1.09	.01	.10	<2	<5	<1	1
L5550E 4575N	7	9	9	72	<.3	4	3	295	3.38	10	<5	<2	9	4	<.2	<2	<2	30	.03	.016	42	6	.15	59	.05	<3	1.07	.01	.09	<2	<5	<1	<1
L5550E 4550N	30	9	31	217	<.3	2	2	366	5.12	95	<5	<2	5	13	<.2	<2	<2	19	.01	.057	61	5	.04	121	.02	4	.89	.01	.16	<2	<5	<1	1
L5550E 4475N	4	5	13	56	<.3	2	2	685	2.10	2	<5	<2	<2	7	<.2	<2	<2	16	.07	.029	56	4	.07	92	.02	<3	.84	.03	.07	<2	<5	<1	<1
L5600E 4675N	6	8	42	108	<.3	4	4	2806	6.35	4	<5	<2	11	5	<.2	<2	<2	19	.04	.025	45	7	.22	65	.03	<3	1.20	.01	.12	<2	<5	<1	1
L5600E 4650N	5	5	14	50	<.3	2	2	186	2.40	10	<5	<2	5	8	<.2	<2	<2	15	.06	.020	68	5	.10	96	.02	<3	.82	.01	.11	<2	<5	<1	3
L5600E 4625N	7	2	10	5	.3	<1	<1	9	1.40	6	<5	<2	10	1	<.2	<2	<2	3	.01	.018	146	2	.01	19	.01	<3	.25	<.01	.04	<2	<5	<1	1
L5600E 4600N	12	5	15	31	<.3	<1	1	57	3.68	9	<5	<2	4	5	<.2	<2	<2	3	.01	.035	63	1	.02	74	.01	<3	.50	<.01	.12	<2	<5	<1	<1
L5600E 4575N	15	8	24	449	.4	1	1	135	5.26	9	6	<2	6	6	.5	<2	<2	11	.01	.042	21	1	.02	41	.02	<3	.72	.01	.11	<2	<5	<1	1
L5600E 4550N	11	7	17	144	<.3	3	2	623	4.28	4	<5	<2	11	3	.2	<2	2	23	.02	.030	79	9	.14	76	.01	<3	1.72	<.01	.11	<2	<5	<1	1
L5600E 4500N	17	10	19	139	<.3	4	4	1125	7.29	<2	<5	<2	3	5	.5	<2	<2	37	.04	.045	68	13	.11	65	.05	6	.92	.01	.08	<2	<5	<1	1
L5600E 4475N	7	6	13	93	<.3	2	3	693	3.82	<2	<5	<2	<2	6	<.2	<2	<2	19	.06	.028	50	5	.14	103	.02	<3	.95	.02	.06	<2	<5	<1	1
L5600E 4400N	13	8	12	94	<.3	2	3	1714	4.27	2	<5	<2	8	8	.2	<2	<2	9	.11	.039	93	5	.12	185	.01	<3	1.03	.01	.15	<2	<5	<1	1
L5800E 4675N	57	8	124	27	.5	<1	1	69	7.24	33	<5	<2	21	28	<.2	2	<2	2	<.01	.056	129	3	.02	95	<.01	3	.35	.02	.84	<2	<5	<1	4
L5800E 4650N	12	11	44	102	.7	3	3	875	5.38	20	<5	<2	10	15	<.2	<2	4	15	.05	.042	47	4	.19	164	.02	<3	.95	.01	.27	<2	<5	<1	3
L5800E 4625N	19	9	50	64	<.3	1	1	432	6.08	9	<5	<2	8	21	<.2	<2	<2	3	.02	.061	72	3	.03	139	<.01	<3	.57	.01	.31	<2	<5	<1	3
L5800E 4600N	5	8	17	80	<.3	5	3	734	2.97	6	<5	<2	3	11	<.2	<2	<2	30	.12	.040	36	9	.09	79	.04	3	.65	.01	.15	<2	<5	<1	2
L5800E 4575N	19	13	42	89	.3	4	3	215	6.47	11	<5	<2	16	10	<.2	<2	<2	16	.02	.038	38	8	.17	72	.03	5	1.36	.01	.17	<2	<5	<1	1
L5800E 4550N	3	2	4	19	.3	<1	1	35	1.53	<2	<5	<2	<2	5	<.2	<2	<2	14	.02	.008	7	<1	.03	19	.03	<3	.34	.04	.05	<2	<5	<1	<1
L5800E 4525N	11	3	20	93	<.3	<1	1	197	4.89	11	<5	<2	7	5	<.2	<2	<2	2	<.01	.027	55	<1	.01	31	<.01	<3	.47	.01	.11	<2	<5	1	<1
L5800E 4500N	7	9	20	65	<.3	3	3	326	3.37	12	<5	<2	9	5	<.2	<2	<2	12	.04	.023	54	5	.14	54	.02	<3	.79	.01	.12	<2	<5	<1	1
L5800E 4475N	9	11	18	70	<.3	3	3	532	3.72	8	<5	<2	6	6	<.2	<2	<2	10	.06	.033	114	5	.15	85	.02	<3	.63	.01	.14	<2	<5	<1	<1
STANDARD C2/AU-S	19	58	39	128	6.3	70	34	1125	3.82	36	24	7	33	49	19.2	15	13	69	.50	.102	39	64	.97	182	.07	30	2.01	.07	.15	10	<5	2	49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 23 1996 DATE REPORT MAILED: Sept 5/96 SIGNED BY. D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L5800E 4450N	5	12	16	54	<.3	3	3	894	2.51	5	<5	<2	2	19	<.2	<2	<2	15	.38	.036	69	7	.17	162	.02	<3	.79	.03	.11	<2	<5	<1	<1
L5800E 4425N	7	11	15	72	<.3	6	5	1264	3.41	9	5	<2	6	12	<.2	3	<2	19	.21	.043	64	9	.30	272	.03	<3	1.06	.02	.16	<2	<5	<1	1
L5800E 4400N	9	16	15	67	<.3	6	4	283	2.93	9	<5	<2	23	10	<.2	<2	<2	21	.21	.034	101	11	.36	79	.06	<3	.84	.01	.24	<2	<5	<1	2
L5850E 4675N	16	8	52	54	2.0	1	1	240	5.15	19	<5	<2	7	13	<.2	<2	<2	5	.01	.043	55	4	.04	120	.01	<3	.45	.01	.34	<2	<5	<1	3
L5850E 4650N	21	9	47	47	.9	1	1	205	5.71	23	<5	<2	9	25	<.2	<2	<2	5	.01	.045	60	3	.03	155	.01	<3	.58	.01	.34	<2	<5	<1	6
L5850E 4625N	11	6	31	77	.6	2	2	158	2.93	12	<5	<2	5	7	<.2	<2	<2	18	.02	.028	47	6	.07	103	.02	<3	.63	.01	.18	<2	<5	<1	1
L5850E 4550N	8	5	20	216	<.3	1	1	212	5.10	13	<5	<2	10	1	<.2	<2	<2	2	.01	.027	73	2	.02	21	<.01	<3	.57	<.01	.11	<2	<5	<1	1
L5850E 4525N	9	5	12	115	<.3	2	2	275	3.55	11	<5	<2	9	5	.3	<2	<2	13	.05	.028	53	4	.05	51	.02	<3	.60	.01	.14	<2	<5	<1	<1
L5850E 4500N	6	8	15	51	<.3	3	3	305	2.40	9	<5	<2	5	5	<.2	<2	<2	16	.06	.022	47	8	.14	53	.02	<3	.69	.02	.11	<2	<5	<1	5
L5850E 4475N	11	12	17	55	<.3	3	3	1032	4.40	10	<5	<2	25	4	<.2	<2	<2	7	.05	.022	170	4	.13	51	.02	3	.50	.01	.10	<2	<5	<1	1
L5850E 4450N	11	15	27	134	<.3	7	4	762	3.88	15	5	<2	16	11	<.2	<2	<2	15	.20	.031	111	10	.29	100	.03	5	.92	.01	.15	<2	<5	<1	1
L5850E 4425N	9	15	26	103	<.3	6	4	753	3.36	15	<5	<2	15	12	<.2	<2	<2	16	.23	.035	108	9	.29	117	.03	<3	.84	.01	.15	<2	<5	<1	3
L5850E 4400N	5	8	16	53	<.3	3	2	239	1.97	7	<5	<2	2	10	<.2	<2	<2	14	.15	.028	61	6	.16	90	.02	<3	.58	.03	.11	<2	<5	<1	<1
RE L5850E 4400N	6	7	14	53	<.3	4	2	236	1.93	8	<5	<2	2	10	<.2	<2	<2	14	.15	.027	59	7	.16	88	.02	<3	.57	.03	.11	<2	<5	<1	2
L5900E 4650N	26	7	100	33	1.3	1	1	205	5.98	53	<5	<2	7	21	<.2	<2	<2	4	.01	.045	51	2	.02	154	.01	8	.38	.01	.44	<2	<5	<1	2
L5900E 4625N	31	7	118	25	.6	1	1	160	5.08	30	<5	<2	12	22	<.2	<2	<2	2	.01	.047	80	2	.02	163	<.01	<3	.20	.02	.38	<2	<5	<1	3
L5900E 4600N	11	7	22	122	.5	2	1	158	3.65	11	<5	<2	6	7	<.2	<2	<2	13	.03	.026	36	4	.07	77	.03	<3	.81	.02	.15	<2	<5	<1	1
L5900E 4575N	12	4	33	142	<.3	<1	1	199	6.90	13	<5	<2	7	4	<.2	<2	<2	2	.02	.039	45	1	.03	40	<.01	5	.57	.01	.15	<2	<5	<1	4
L5900E 4550N	13	4	18	80	<.3	1	1	224	5.11	21	<5	<2	8	5	<.2	<2	<2	5	.01	.022	46	3	.05	37	.01	3	.51	.01	.15	<2	<5	<1	1
L5900E 4525N	4	4	9	39	<.3	2	2	190	1.61	3	<5	<2	<2	5	<.2	<2	<2	15	.03	.015	24	3	.06	40	.02	<3	.45	.03	.06	<2	<5	<1	3
L5900E 4500N	9	10	21	86	<.3	5	4	803	3.56	14	<5	<2	16	5	<.2	<2	<2	17	.06	.025	72	7	.20	69	.03	3	.84	<.01	.13	<2	<5	<1	37
L5900E 4475N	7	11	20	84	<.3	5	3	918	3.04	9	<5	<2	7	9	.2	<2	<2	14	.18	.029	109	9	.19	99	.02	3	1.02	.02	.11	<2	<5	<1	2
L5900E 4450N	12	11	20	60	<.3	3	3	676	3.63	9	<5	<2	10	8	<.2	<2	<2	8	.17	.029	113	5	.14	84	.01	<3	.69	.01	.11	<2	<5	<1	1
L5900E 4425N	9	13	20	92	<.3	5	4	1015	3.57	10	<5	<2	10	17	<.2	<2	<2	13	.35	.031	87	6	.23	60	.02	<3	.74	.01	.10	<2	<5	<1	2
L5900E 4400N	6	12	11	60	<.3	4	2	314	2.32	7	<5	<2	2	12	<.2	<2	<2	14	.21	.036	71	6	.19	114	.02	<3	.71	.03	.15	<2	<5	<1	1
L5950E 4650N	24	4	25	27	<.3	1	1	240	4.52	11	<5	<2	10	3	<.2	<2	<2	2	.01	.024	74	2	.02	29	<.01	<3	.32	<.01	.08	<2	<5	<1	1
L5950E 4600N	12	6	50	159	.6	3	2	239	8.83	15	6	<2	17	6	.4	3	<2	4	.03	.032	61	4	.11	87	.01	7	1.17	.01	.16	<2	<5	<1	2
L5950E 4575N	14	4	32	119	<.3	1	1	295	4.30	24	<5	<2	7	3	.2	<2	<2	6	.03	.026	51	3	.05	113	.01	<3	.62	.01	.14	<2	<5	<1	1
L5950E 4550N	10	12	49	153	<.3	6	4	1899	5.61	15	<5	<2	12	8	<.2	<2	<2	17	.09	.044	72	10	.17	145	.02	4	.92	<.01	.19	<2	<5	<1	3
L5950E 4525N	14	12	38	202	<.3	5	4	1617	7.90	12	<5	<2	15	6	<.2	<2	<2	12	.05	.036	81	8	.16	161	.02	3	.77	<.01	.13	<2	<5	<1	2
L5950E 4475N	7	14	22	154	<.3	7	4	1469	6.03	10	<5	<2	10	16	<.2	<2	<2	16	.28	.035	108	8	.30	64	.03	3	1.04	.02	.17	<2	<5	1	1
L5950E 4450N	8	16	27	444	<.3	9	4	1346	6.77	8	<5	<2	13	11	1	1	<2	2	16	.19	.057	210	3	.27	47	.03	<3	2.65	.01	.15	<2	<5	<1	10
L6000E 5475N	8	17	42	98	<.3	4	6	2183	7.81	13	<5	<2	62	8	<.2	<2	<2	11	.03	.047	385	8	.19	171	.03	<3	1.28	.01	.30	<2	<5	<1	3
L6000E 5450N	6	21	36	88	<.3	3	2	227	7.33	13	6	<2	25	7	<.2	<2	<2	12	.03	.077	163	8	.24	233	.05	<3	1.49	.01	.46	<2	<5	<1	4
L6000E 5425N	6	7	50	61	<.3	7	6	270	8.51	40	11	<2	23	126	<.2	2	<2	8	.03	.207	151	3	.36	66	.07	3	1.39	.06	.89	<2	<5	<1	2
STANDARD C2/AU-S	21	60	39	141	6.3	73	36	1155	4.02	44	19	7	36	50	20.4	15	16	71	.51	.107	41	65	1.00	177	.06	27	2.07	.08	.16	11	<5	1	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6000E 5350N	8	6	44	109	<.3	5	13	5621	5.95	6	8	<2	22	14	.4	2	<2	5	.08	.027	64	11	.18	280	.05	<3	.92	.01	.29	<2	<5	<1	3
L6000E 5325N	9	8	127	354	<.3	4	6	3542	4.10	9	6	<2	27	9	1.7	<2	2	3	.05	.031	129	3	.09	151	.01	<3	.60	.01	.11	<2	<5	<1	3
L6050E 5425N	5	8	88	172	.3	4	11	3043	9.01	<2	<5	<2	9	5	<.2	<2	<2	5	.02	.039	59	3	.54	209	.09	<3	2.53	.01	.68	<2	<5	<1	4
L6050E 5400N	8	6	72	78	<.3	2	3	578	6.67	6	<5	<2	18	7	<.2	<2	<2	2	.01	.038	92	3	.08	87	.01	<3	.90	.01	.21	<2	<5	<1	3
L6050E 5375N	8	4	41	85	<.3	3	7	2864	5.58	<2	<5	<2	18	16	.2	<2	<2	3	.07	.031	76	1	.04	212	<.01	<3	.60	.01	.15	<2	<5	1	3
L6050E 5350N	6	5	128	170	<.3	2	3	2153	3.66	11	<5	<2	29	6	.5	<2	<2	2	.08	.015	135	4	.04	76	<.01	<3	.24	.01	.09	<2	<5	<1	<1
L6050E 5325N	5	5	159	243	<.3	3	4	3354	3.89	7	<5	<2	19	8	1.1	<2	<2	3	.04	.035	110	1	.05	124	<.01	<3	.43	<.01	.10	<2	<5	<1	<1
L6100E 5400N	9	9	542	608	1.0	2	4	3590	6.26	11	12	<2	24	25	3.6	2	<2	2	.22	.017	50	10	.36	313	.05	<3	1.66	.01	.38	<2	<5	<1	<1
RE L6100E 5400N	9	9	557	617	1.2	2	5	3736	6.60	9	8	<2	25	26	3.9	<2	<2	2	.22	.018	50	9	.37	325	.05	<3	1.67	.02	.48	<2	<5	<1	<1
L6100E 5375N	5	6	208	181	.4	3	3	2683	4.32	3	<5	<2	18	5	.7	<2	<2	3	.09	.020	60	3	.07	82	<.01	<3	.41	.01	.10	<2	<5	<1	<1
L6100E 5350N	4	3	24	53	<.3	2	4	1277	3.64	2	<5	<2	<2	4	<.2	<2	<2	6	.04	.058	48	3	.06	102	<.01	<3	.67	<.01	.09	<2	<5	<1	2
L6100E 5325N	4	11	1250	758	1.3	3	4	3824	3.43	5	8	<2	8	8	2.4	<2	<2	2	.10	.037	64	5	.04	128	<.01	4	.29	<.01	.13	<2	<5	<1	3
L6150E 5400N	8	6	239	250	<.3	2	5	3515	4.02	<2	5	<2	22	28	.8	<2	<2	5	.23	.030	88	2	.17	216	<.01	<3	.73	.01	.12	<2	<5	<1	<1
L6150E 5325N	6	4	37	147	<.3	3	3	2365	2.64	2	7	<2	21	9	.5	<2	<2	3	.09	.023	66	3	.19	218	.02	<3	1.01	.01	.36	<2	<5	<1	2
L6200E 5400N	4	9	62	131	<.3	7	6	4323	4.05	3	6	<2	7	32	.5	<2	<2	16	.40	.054	42	19	.26	373	.02	<3	1.36	.01	.18	<2	<5	<1	5
L6200E 5375N	6	14	49	134	<.3	5	4	1948	3.42	7	5	<2	5	14	.2	<2	<2	10	.22	.037	47	18	.20	459	.01	<3	.98	.01	.17	<2	<5	<1	5
L6200E 5350N	5	11	83	183	<.3	5	5	2738	3.39	7	6	<2	14	9	.7	<2	<2	6	.07	.033	72	5	.16	214	.01	<3	.95	.01	.23	<2	<5	<1	3
L6250E 5375N	6	41	282	1112	1.0	3	5	3626	5.36	8	<5	<2	16	21	7.1	<2	<2	2	.09	.036	68	3	.16	149	<.01	<3	1.07	.01	.13	<2	<5	<1	3
L6250E 5350N	4	9	400	572	.6	2	4	2916	3.76	2	<5	<2	19	13	3.7	<2	<2	1	.09	.012	52	1	.10	158	<.01	<3	.48	<.01	.09	<2	<5	<1	3
L6250E 5325N	8	11	120	410	.3	5	6	3212	4.46	12	5	<2	2	22	2.8	<2	<2	6	.14	.081	69	3	.09	234	<.01	<3	.68	.01	.14	<2	<5	<1	7
L6300E 5425N	4	6	97	280	<.3	3	2	1020	3.68	3	6	<2	5	7	<.2	<2	<2	9	.01	.036	89	5	.04	65	<.01	<3	.60	.01	.12	<2	<5	<1	<1
L6300E 5400N	3	7	109	184	<.3	3	4	1725	3.37	<2	<5	<2	2	4	.2	<2	<2	7	.03	.046	52	4	.11	63	<.01	<3	1.01	.01	.08	<2	<5	<1	<1
L6300E 5375N	3	7	21	74	<.3	3	3	2189	5.07	2	<5	<2	17	3	<.2	<2	<2	1	.01	.028	89	4	.07	34	<.01	<3	.31	<.01	.06	<2	<5	<1	10
L6300E 5350N	6	6	30	142	<.3	3	3	2158	3.34	<2	<5	<2	15	5	.7	<2	<2	2	.07	.025	75	3	.09	97	<.01	4	.57	.01	.10	<2	<5	<1	11
L6300E 5325N	5	5	58	148	<.3	2	3	1759	3.35	<2	<5	<2	16	6	.2	<2	<2	1	.13	.021	86	2	.12	118	<.01	<3	.63	.01	.06	<2	<5	<1	2
L6350E 5400N	4	10	44	87	<.3	4	5	3459	4.58	3	6	<2	3	8	<.2	<2	<2	10	.12	.057	85	7	.11	127	.01	<3	.77	.01	.09	<2	<5	<1	<1
L6350E 5375N	5	7	28	62	<.3	3	4	2019	3.77	4	<5	<2	21	13	<.2	<2	<2	2	.22	.025	146	2	.11	228	<.01	<3	.76	<.01	.06	<2	<5	<1	<1
L6350E 5350N	6	9	43	105	<.3	4	5	2342	4.49	<2	<5	<2	5	10	<.2	<2	<2	9	.15	.058	115	3	.10	135	<.01	<3	.67	.01	.09	<2	<5	<1	<1
L6350E 5325N	5	9	42	95	<.3	3	4	2605	3.98	3	<5	<2	12	14	<.2	<2	<2	2	.28	.029	94	1	.10	156	<.01	<3	.50	.01	.07	<2	<5	<1	<1
L6750E 5600N	4	16	365	854	<.3	8	4	1690	2.85	6	<5	<2	<2	8	2.5	<2	<2	14	.11	.048	52	10	.12	151	.01	<3	.62	.01	.17	<2	<5	<1	11
L6750E 5575N	3	13	191	483	<.3	9	6	1526	2.73	5	7	<2	<2	17	1.8	<2	<2	16	.13	.059	52	13	.18	150	.02	<3	.69	.02	.23	<2	<5	<1	<1
L6750E 5500N	3	21	273	1409	<.3	15	6	1387	2.80	7	5	<2	7	12	3.0	<2	<2	28	.18	.047	56	19	.35	109	.04	<3	1.05	.01	.15	<2	<5	<1	3
L6750E 5475N	3	18	198	925	<.3	10	4	1157	2.87	14	5	<2	3	11	2.1	<2	<2	22	.23	.040	40	15	.27	126	.03	<3	.91	.01	.18	<2	<5	<1	3
L6750E 5450N	2	10	140	304	<.3	7	3	624	2.16	7	<5	<2	<2	8	.5	<2	<2	21	.13	.031	35	11	.16	65	.02	<3	.66	.01	.11	<2	<5	<1	2
L6750E 5425N	2	10	52	214	<.3	11	5	779	2.30	7	<5	<2	2	10	.3	<2	<2	21	.15	.028	37	16	.25	89	.03	<3	.73	.01	.09	<2	<5	<1	4
STANDARD C2/AU-S	20	61	39	133	6.5	73	36	1173	4.08	38	18	7	35	52	19.7	17	17	73	.52	.108	42	65	.99	183	.07	27	2.07	.08	.17	11	<5	1	53

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6750E 5400N	2	7	89	196	<.3	6	3	1007	1.95	7	<5	<2	<2	16	.6	<2	<2	15	.32	.045	31	10	.15	276	.01	<3	.71	.01	.08	<2	<5	1	1
L6750E 5375N	3	14	293	523	.3	5	5	1480	2.27	17	5	<2	3	12	1.7	<2	<2	5	.33	.043	37	3	.08	240	<.01	<3	.44	.01	.09	<2	<5	<1	3
L6750E 5350N	4	11	193	422	<.3	5	5	1456	2.10	13	<5	<2	2	12	.9	<2	<2	12	.10	.039	63	8	.11	184	.01	<3	.60	.01	.09	<2	<5	<1	1
L6800E 5600N	4	14	40	336	<.3	3	3	1667	3.99	14	6	<2	24	13	1.1	<2	<2	4	.13	.034	175	11	.13	372	.01	<3	.64	.01	.22	<2	<5	<1	1
L6800E 5575N	6	19	138	554	<.3	7	4	916	3.99	16	6	<2	2	31	1.2	<2	<2	15	.06	.061	74	18	.18	352	.02	<3	.87	.01	.28	<2	<5	<1	5
L6800E 5550N	2	18	132	852	.3	13	9	2120	4.20	14	<5	<2	<2	16	2.8	2	<2	27	.09	.087	41	27	.34	494	.05	3	1.10	.01	.44	<2	<5	1	1
L6800E 5525N	4	25	892	1149	.3	6	5	1798	2.62	11	<5	<2	9	13	4.1	<2	<2	11	.13	.058	70	10	.10	134	.02	<3	.47	.01	.19	<2	<5	<1	1
L6800E 5475N	3	12	209	752	<.3	13	5	961	2.66	5	7	<2	2	11	1.3	2	<2	27	.17	.043	54	23	.35	133	.03	<3	1.29	.01	.15	<2	<5	<1	<1
L6800E 5450N	3	9	160	227	<.3	4	2	737	1.81	4	6	<2	<2	10	.7	2	<2	17	.14	.061	37	7	.11	113	.01	<3	.72	.01	.17	<2	<5	<1	2
L6800E 5375N	2	11	128	397	<.3	9	4	883	2.27	10	<5	<2	2	13	1.2	<2	<2	17	.23	.048	38	14	.19	97	.02	<3	.67	.01	.10	<2	<5	<1	4
RE L6850E 5575N	7	15	56	263	<.3	6	4	1091	4.43	19	5	<2	15	19	<.2	<2	<2	14	.09	.037	168	16	.15	336	.02	<3	.69	.01	.25	<2	<5	<1	1
L6800E 5350N	1	10	67	203	<.3	6	3	904	1.90	7	6	<2	<2	8	.6	<2	<2	19	.10	.047	36	11	.13	84	.01	<3	.57	.01	.10	<2	<5	<1	1
L6800E 5325N	3	8	162	166	<.3	3	3	1512	1.78	8	<5	<2	<2	5	.7	<2	<2	16	.05	.099	26	6	.04	167	<.01	<3	.55	.01	.08	<2	<5	<1	1
L6850E 5575N	6	13	48	249	<.3	6	3	1048	4.15	20	<5	<2	14	18	<.2	<2	<2	13	.09	.035	158	17	.14	322	.02	<3	.66	.01	.21	<2	<5	<1	<1
L6850E 5550N	5	18	58	389	<.3	5	4	1336	4.69	17	<5	<2	15	23	.8	<2	<2	10	.11	.042	140	18	.17	482	.02	<3	.76	.01	.31	<2	<5	<1	<1
L6850E 5525N	3	24	210	792	.4	7	7	1540	3.48	13	<5	<2	2	21	2.4	<2	<2	8	.28	.119	54	18	.14	549	.01	<3	.68	.01	.15	<2	<5	1	<1
L6850E 5475N	2	13	207	530	<.3	14	5	1270	2.79	8	<5	<2	5	11	1.2	<2	<2	30	.15	.037	45	22	.32	80	.05	<3	1.02	.01	.14	<2	<5	<1	6
L6850E 5400N	2	18	166	862	.3	10	4	908	2.66	10	8	<2	5	10	1.8	3	<2	19	.21	.038	53	16	.25	132	.03	4	.88	.01	.17	<2	<5	<1	2
L6850E 5325N	3	9	129	401	<.3	6	3	881	2.36	11	5	<2	2	9	.6	<2	<2	15	.13	.035	56	11	.14	104	.01	<3	.60	.01	.09	<2	<5	<1	1
L6900E 5575N	6	11	25	185	<.3	3	3	1185	3.95	15	<5	<2	16	10	<.2	<2	<2	8	.04	.035	194	3	.10	220	.02	<3	.57	.01	.18	<2	<5	<1	6
L6900E 5550N	6	14	52	297	<.3	5	4	1482	4.12	14	<5	<2	17	17	.5	<2	<2	10	.12	.038	145	14	.17	395	.03	<3	.71	.01	.24	<2	<5	<1	3
L6900E 5525N	2	25	170	747	.4	7	5	983	3.30	12	5	<2	3	19	1.7	<2	<2	8	.25	.106	55	16	.12	511	.01	3	.63	.01	.15	<2	<5	1	1
L6900E 5500N	3	6	87	181	<.3	1	2	1258	1.30	3	5	<2	<2	4	.6	2	<2	9	.03	.049	19	1	.04	101	.01	<3	.47	.03	.13	<2	<5	<1	1
L6900E 5350N	2	6	63	138	<.3	3	2	425	1.59	12	<5	<2	<2	6	.3	<2	<2	15	.07	.042	30	6	.05	60	.01	<3	.42	.01	.07	<2	<5	<1	1
L6850E 5600N	5	15	43	216	<.3	10	4	1274	3.26	11	<5	<2	4	12	.9	<2	<2	26	.13	.052	179	20	.26	150	.04	<3	.88	.01	.17	<2	<5	<1	<1
L6850E 5575N	4	12	34	128	<.3	4	3	856	1.84	3	<5	<2	<2	9	.4	<2	<2	18	.09	.085	268	8	.10	104	.02	<3	.98	.03	.11	<2	<5	<1	<1
L6850E 5550N	6	19	47	155	<.3	5	3	1610	3.27	11	5	<2	<2	9	<.2	<2	2	17	.05	.060	98	17	.13	296	.02	<3	.88	.01	.21	<2	<5	<1	1
L6850E 5525N	5	11	42	266	<.3	4	2	738	3.51	13	<5	<2	4	18	.4	<2	<2	8	.06	.039	127	15	.15	432	.02	<3	.77	.01	.25	<2	<5	<1	<1
L6850E 5500N	3	24	329	913	.4	6	5	1042	2.85	11	<5	<2	4	14	2.4	<2	<2	8	.20	.074	59	10	.10	325	.01	<3	.55	.01	.17	<2	<5	<1	<1
L6850E 5425N	2	9	92	180	<.3	6	3	894	2.03	4	<5	<2	<2	8	.5	<2	<2	25	.09	.071	25	17	.11	101	.01	<3	.56	.01	.14	<2	<5	<1	1
L6850E 5350N	2	8	57	156	<.3	8	4	371	2.12	8	<5	<2	<2	7	.4	<2	<2	21	.08	.023	35	16	.18	46	.03	<3	.77	.01	.05	<2	<5	<1	1
L7000E 5575N	5	13	65	172	<.3	6	4	789	3.81	11	6	<2	2	24	<.2	<2	<2	17	.04	.075	66	16	.11	298	.02	<3	.96	.02	.18	<2	<5	<1	<1
L7000E 5500N	3	19	192	681	<.3	5	4	665	2.65	9	<5	<2	3	12	1.5	<2	<2	7	.16	.076	57	11	.09	339	.01	<3	.55	<.01	.14	<2	<5	<1	<1
L7000E 5425N	1	8	107	597	<.3	8	3	647	2.08	5	5	<2	2	10	.9	<2	<2	19	.14	.032	47	15	.24	139	.02	<3	1.09	.01	.12	<2	<5	<1	1
L7000E 5375N	1	5	80	124	<.3	2	2	1332	1.56	4	<5	<2	<2	5	.5	<2	<2	13	.04	.042	17	3	.03	103	.01	<3	.43	.04	.11	<2	<5	<1	<1
STANDARD C2/AU-S	19	58	38	124	6.4	71	33	1072	3.89	41	18	7	33	49	18.6	19	16	67	.51	.103	38	63	.93	176	.06	24	1.92	.08	.19	9	<5	1	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L7000E 5325N	3	6	80	208	<.3	2	3	1460	2.27	5	<5	<2	<2	4	.2	<2	<2	11	.03	.049	35	<1	.03	90	.01	4	.34	.02	.08	<2	<5	<1	8
L7050E 5600N	4	12	42	232	<.3	7	4	903	3.18	8	<5	<2	<2	12	.6	<2	<2	29	.07	.050	82	19	.18	253	.02	<3	1.08	.01	.16	<2	<5	<1	2
RE L7050E 5600N	4	12	38	228	<.3	7	4	832	3.01	10	<5	<2	<2	11	.5	<2	<2	28	.07	.048	76	16	.17	240	.02	<3	1.04	.01	.13	<2	<5	<1	<1
L7050E 5575N	4	15	41	207	<.3	7	4	888	3.38	8	<5	<2	3	10	.5	<2	<2	30	.07	.044	48	19	.15	139	.04	<3	.97	.01	.15	<2	<5	<1	5
L7050E 5550N	6	17	60	302	<.3	11	6	1030	3.48	11	<5	<2	3	15	1.0	<2	<2	28	.12	.063	101	20	.26	236	.04	<3	1.13	.01	.16	<2	<5	<1	2
L7050E 5525N	3	11	34	146	<.3	4	3	793	2.29	6	<5	<2	<2	9	<.2	<2	<2	22	.06	.056	28	8	.11	145	.02	4	.80	.02	.14	<2	<5	<1	<1
L7050E 5500N	4	12	53	188	<.3	8	4	1022	2.68	9	<5	<2	<2	10	.6	<2	<2	25	.10	.057	78	18	.19	132	.03	<3	.96	.01	.13	<2	<5	<1	1
L7050E 5475N	2	19	251	798	<.3	5	4	986	2.74	12	<5	<2	2	14	2.7	<2	<2	7	.18	.078	52	11	.09	295	.01	<3	.50	.01	.16	<2	<5	<1	<1
L7050E 5450N	4	8	318	236	<.3	3	4	4571	2.02	4	<5	<2	<2	4	.7	<2	<2	13	.03	.042	46	12	.04	513	.01	<3	.56	.01	.21	<2	<5	<1	<1
L7050E 5425N	2	7	70	194	<.3	4	3	856	1.87	5	<5	<2	<2	6	.5	<2	<2	19	.05	.028	34	7	.10	89	.03	4	.68	.01	.11	<2	<5	<1	1
L7050E 5400N	2	10	75	398	<.3	5	3	478	1.82	6	<5	<2	<2	11	1.9	<2	<2	15	.18	.041	48	8	.17	172	.01	5	.87	.01	.13	<2	<5	<1	3
L7050E 5375N	2	9	110	428	<.3	7	3	537	1.79	5	5	<2	<2	15	1.4	<2	<2	19	.31	.049	31	12	.17	84	.02	<3	.87	.01	.07	<2	<5	<1	2
L7050E 5350N	1	10	87	131	<.3	7	4	607	2.26	9	<5	<2	<2	8	.2	<2	<2	25	.09	.046	31	20	.12	54	.02	<3	.71	.01	.07	<2	<5	<1	1
L7050E 5325N	4	14	34	167	<.3	7	4	458	3.36	7	<5	<2	<2	9	.4	<2	<2	29	.09	.052	30	18	.13	55	.02	<3	1.08	.01	.06	<2	<5	<1	1
L7100E 5600N	6	12	111	219	<.3	3	4	2107	3.10	8	<5	<2	<2	7	.5	<2	<2	20	.06	.067	101	12	.11	358	.03	<3	.84	.02	.16	<2	<5	<1	<1
L7100E 5575N	4	14	57	338	<.3	11	6	1458	3.24	10	<5	<2	5	13	1.2	<2	<2	25	.15	.065	125	17	.25	250	.05	<3	.93	.01	.16	<2	<5	<1	3
L7100E 5550N	5	19	86	486	<.3	13	7	1559	3.29	11	<5	<2	13	15	1.7	<2	<2	27	.13	.053	126	20	.29	254	.05	<3	1.01	.01	.16	<2	<5	<1	1
L7100E 5525N	4	15	125	373	<.3	10	6	1208	3.26	9	<5	<2	2	15	1.4	<2	<2	29	.16	.066	107	22	.25	249	.04	<3	1.06	.01	.17	<2	<5	<1	2
L7100E 5500N	4	13	68	284	< 3	9	5	1088	3.10	9	<5	<2	3	11	.9	<2	<2	31	.11	.055	148	22	.24	177	.04	<3	1.10	.01	.14	<2	<5	<1	2
L7100E 5475N	3	15	65	253	< 3	14	5	982	2.66	7	<5	<2	5	13	1.1	<2	<2	29	19	.073	166	21	.28	180	.05	<3	1.00	.01	.12	<2	<5	<1	5
L7100E 5425N	2	13	121	257	<.3	8	4	944	2.53	6	<5	<2	<2	10	.7	<2	<2	24	.10	.039	33	17	.16	89	.03	<3	.86	.01	.12	<2	<5	<1	<1
L7100E 5400N	3	9	166	276	<.3	4	4	1459	1.94	5	<5	<2	<2	12	1.9	<2	2	24	.14	.046	40	9	.07	163	.02	<3	.64	.01	.12	<2	<5	<1	<1
L7100E 5375N	3	7	97	288	<.3	6	3	741	1.89	6	<5	<2	<2	9	.8	<2	<2	15	.13	.042	32	14	.15	99	.01	<3	.82	.01	.08	<2	<5	<1	<1
L7100E 5350N	1	13	100	298	<.3	8	3	393	2.12	5	<5	<2	<2	10	.4	<2	<2	20	.11	.066	72	18	.19	89	.02	<3	1.41	.01	.06	<2	<5	<1	2
L7100E 5325N	4	9	55	131	<.3	6	4	1477	2.70	7	<5	<2	<2	8	.4	<2	<2	25	.07	.054	31	14	.11	115	.02	<3	.75	.01	.09	<2	<5	<1	1
L7150E 5600N	4	10	47	262	<.3	10	6	1087	3.18	6	<5	<2	2	43	.6	3	<2	25	.64	.109	102	26	.47	369	.05	<3	1.19	.01	.36	<2	<5	<1	<1
L7150E 5550N	3	15	96	402	<.3	11	7	1232	3.44	10	<5	<2	11	13	.7	<2	<2	27	.13	.043	78	25	.40	280	.06	<3	1.05	.01	.23	<2	<5	<1	1
L7150E 5500N	7	13	140	498	<.3	9	6	1811	3.37	10	<5	<2	7	11	.8	<2	<2	22	.08	.047	131	16	.23	199	.03	<3	1.14	.01	.14	<2	<5	<1	<1
L7150E 5475N	5	10	55	181	<.3	3	4	5660	1.54	2	<5	<2	<2	18	1 9	<2	<2	14	.11	.055	16	20	.05	886	.01	<3	.34	.02	.13	<2	<5	<1	2
L7150E 5425N	5	14	88	381	<.3	6	4	1417	3.47	12	<5	<2	5	14	1.7	<2	<2	12	.09	.051	108	15	.16	292	.02	<3	.68	.01	.19	<2	<5	<1	<1
L7150E 5400N	5	14	73	200	<.3	9	5	900	3.41	9	<5	<2	<2	9	.5	<2	<2	30	.11	.071	108	22	.24	124	.02	<3	1.03	.01	.17	<2	<5	<1	7
L7150E 5375N	1	4	58	63	<.3	1	2	546	.80	3	<5	<2	<2	14	.6	<2	<2	11	.11	.046	19	<1	.05	83	.02	<3	.69	.04	.07	<2	<5	<1	<1
L7150E 5350N	2	7	91	236	<.3	4	3	665	2.07	4	<5	<2	<2	9	.6	<2	<2	17	.11	.040	32	12	.15	129	.01	<3	.91	.01	.12	<2	<5	<1	<1
L7150E 5325N	2	9	72	112	<.3	6	3	519	2.57	7	<5	<2	<2	6	.2	<2	<2	23	.05	.047	29	18	.09	41	.01	<3	.74	.01	.08	<2	<5	<1	1
L7200E 5500N	10	17	133	658	<.3	7	6	3528	4.22	10	<5	<2	8	21	2.0	<2	<2	12	.25	.061	152	22	.30	481	.03	<3	1.19	.01	.28	<2	<5	<1	<1
STANDARD C2/AU-S	19	58	38	129	6.6	70	35	1130	3.92	44	18	7	35	49	19.9	18	16	69	.50	.107	40	62	.96	178	.07	26	1.97	.08	.16	11	<5	1	48

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L7200E 5525N	7	14	127	737	<.3	7	6	2168	3.71	7	<5	<2	<2	19	2.0	<2	2	19	.27	.059	194	23	.29	355	.03	<3	1.21	.01	.24	<2	<5	<1	4
L7200E 5500N	8	13	72	241	<.3	4	3	1159	3.51	11	<5	<2	2	10	.3	<2	<2	17	.14	.076	49	10	.18	118	.02	4	.62	.01	.23	<2	<5	<1	4
L7200E 5475N	7	15	144	524	<.3	8	6	2903	3.71	7	<5	<2	3	14	1.4	<2	2	15	.09	.049	79	10	.21	271	.02	<3	1.27	.01	.17	<2	<5	<1	<1
L7200E 5450N	5	13	82	327	<.3	7	4	934	3.53	11	<5	<2	3	12	.6	<2	<2	13	.10	.055	180	8	.25	212	.02	<3	.94	.01	.17	<2	<5	<1	<1
L7200E 5425N	11	24	78	225	<.3	6	5	2092	4.06	10	<5	<2	5	7	<.2	<2	<2	26	.04	.056	39	10	.17	110	.03	<3	1.14	.01	.19	<2	<5	<1	<1
L7200E 5400N	2	3	7	40	<.3	1	1	840	.87	<2	<5	<2	<2	7	<.2	<2	<2	12	.05	.030	15	2	.05	107	.01	<3	.47	.04	.08	<2	<5	<1	<1
L7200E 5375N	7	8	55	233	<.3	4	7	8435	2.22	4	5	<2	<2	9	4.3	<2	2	21	.08	.060	24	24	.09	690	.02	4	.47	.02	.17	<2	<5	<1	3
L7200E 5350N	3	9	42	254	<.3	5	2	986	4.94	<2	5	<2	15	8	<.2	<2	<2	12	.07	.034	40	10	1.09	130	.09	3	2.26	.01	.36	<2	<5	<1	2
L7200E 5325N	4	15	59	213	<.3	8	4	790	3.82	7	<5	<2	<2	11	.4	<2	<2	27	.09	.065	48	17	.19	116	.03	<3	1.12	.01	.16	<2	<5	<1	4
L7250E 5600N	4	7	77	303	<.3	10	7	1315	4.98	6	<5	<2	5	20	<.2	<2	<2	29	.28	.078	71	23	.92	596	.17	3	1.93	.01	.80	<2	<5	<1	<1
L7250E 5575N	3	7	21	326	<.3	5	4	1412	3.35	<2	<5	<2	5	24	.3	2	<2	7	.28	.051	98	16	.55	513	.05	<3	1.73	.01	.49	<2	<5	<1	<1
L7250E 5475N	5	15	117	471	<.3	7	5	1318	3.59	12	<5	<2	3	22	2.4	<2	2	14	.21	.069	90	17	.20	379	.02	<3	.73	.01	.29	<2	<5	<1	7
L7250E 5450N	17	24	127	376	<.3	4	4	2026	5.68	19	<5	<2	14	6	<.2	<2	<2	14	.04	.042	73	7	.20	120	.03	<3	1.10	.01	.25	<2	<5	<1	1
RE L7250E 5450N	17	23	131	383	.3	4	4	2071	5.64	20	10	<2	15	6	<.2	<2	<2	15	.04	.043	70	7	.21	121	.03	<3	1.15	.01	.22	<2	<5	1	3
L7250E 5425N	11	19	86	340	<.3	3	3	1619	4.07	13	7	<2	5	12	.8	<2	<2	12	.11	.041	66	6	.18	116	.02	<3	.92	.02	.19	<2	<5	<1	1
L7250E 5400N	11	14	53	261	<.3	2	2	782	3.71	14	<5	<2	2	4	<.2	<2	<2	14	.03	.036	51	4	.14	80	.02	<3	.82	.01	.15	<2	<5	<1	1
L7250E 5375N	10	17	95	323	<.3	6	5	2648	4.30	9	7	<2	2	10	1.4	<2	<2	20	.16	.056	67	16	.23	276	.03	<3	.93	.01	.23	<2	<5	<1	2
L7250E 5350N	8	9	19	147	<.3	3	2	1234	3.37	2	<5	<2	<2	6	<.2	<2	<2	18	.05	.038	55	6	.20	264	.03	<3	1.10	.01	.36	<2	<5	<1	3
L7250E 5325N	7	13	36	186	<.3	5	4	2217	3.66	6	<5	<2	2	7	<.2	<2	<2	29	.04	.046	53	8	.13	243	.04	<3	.88	.01	.24	<2	<5	<1	1
L7300E 5600N	15	26	61	333	<.3	6	4	1462	5.83	8	<5	<2	38	7	<.2	<2	<2	13	.08	.036	193	5	.50	145	.06	<3	1.81	.01	.44	<2	<5	<1	1
L7300E 5575N	16	16	43	207	<.3	3	2	1015	5.03	5	<5	<2	15	6	<.2	<2	<2	13	.03	.036	109	8	.37	138	.04	<3	1.91	.01	.46	<2	<5	<1	2
L7300E 5550N	10	12	31	122	<.3	3	2	913	3.55	9	7	<2	6	9	<.2	<2	<2	19	.09	.033	81	6	.31	177	.05	<3	1.38	.01	.35	<2	<5	<1	1
L7300E 5525N	11	15	35	168	<.3	3	3	1324	4.58	13	<5	<2	7	6	<.2	<2	2	15	.04	.037	110	6	.27	141	.03	<3	1.54	.01	.31	<2	<5	<1	1
L7300E 5500N	22	32	204	851	.5	7	5	2441	6.06	31	9	<2	22	18	2.6	2	<2	10	.34	.050	143	6	.36	188	.03	<3	1.41	.01	.25	<2	<5	<1	1
L7300E 5475N	5	18	124	470	<.3	8	5	1496	3.72	10	6	<2	9	17	2.0	<2	<2	16	.19	.069	130	17	.22	321	.03	<3	.78	.01	.26	<2	<5	<1	2
L7300E 5450N	6	9	44	164	.5	7	11	5300	5.11	5	<5	<2	<2	9	.2	<2	<2	17	.03	091	27	15	.11	559	.01	3	.78	.01	.15	<2	<5	<1	6
L7300E 5425N	10	14	53	236	<.3	4	3	1167	3.87	9	7	<2	2	7	.3	<2	2	16	.05	.045	46	4	.15	141	.02	<3	.95	.01	.22	<2	<5	<1	<1
L7300E 5400N	2	8	16	72	<.3	2	3	672	1.93	<2	<5	<2	<2	8	<.2	<2	<2	27	.09	.056	24	3	.12	115	.03	<3	.82	.04	.15	<2	<5	<1	1
L7300E 5375N	7	6	14	41	<.3	2	2	1613	1.69	<2	<5	<2	<2	8	<.2	<2	<2	21	.05	.051	44	2	.08	110	.02	<3	.83	.04	.09	<2	<5	<1	2
L7300E 5350N	6	8	13	98	<.3	3	2	571	2.37	<2	<5	<2	<2	7	<.2	<2	<2	16	.06	.041	45	4	.22	137	.03	<3	1.18	.01	.29	<2	<5	<1	1
L7300E 5325N	6	10	25	135	<.3	5	3	983	3.36	4	7	<2	<2	11	<.2	<2	<2	22	.11	.044	72	12	.26	288	.03	<3	1.31	.01	.35	<2	<5	<1	1
L7350E 5600N	14	22	36	193	<.3	3	3	853	4.62	6	<5	<2	10	8	<.2	<2	<2	13	.09	.041	138	5	.38	196	.03	<3	1.98	.02	.34	<2	<5	<1	1
L7350E 5575N	17	25	66	356	<.3	5	4	1360	6.77	7	5	<2	19	5	<.2	<2	<2	10	.07	.027	130	6	.43	123	.05	<3	1.88	<.01	.45	<2	<5	<1	1
L7350E 5550N	26	29	47	297	<.3	8	6	1275	7.42	11	5	<2	28	6	.2	2	<2	12	.07	.032	201	12	.56	126	.06	<3	2.14	.01	.47	<2	<5	<1	3
L7350E 5525N	21	15	48	206	<.3	4	4	1620	5.58	5	<5	<2	11	6	<.2	<2	<2	16	.06	.043	152	9	.32	134	.04	<3	1.40	.01	.36	<2	<5	<1	1
STANDARD C2/AU-S	20	59	40	131	6.3	70	35	1136	3.94	37	21	7	34	50	19.7	16	15	69	.51	.106	41	63	.96	182	.07	27	2.00	.08	.16	10	<5	2	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L7350E 5500N	11	19	78	618	<.3	9	4	883	4.06	7	7	<2	7	22	.8	<2	<2	19	.40	.061	143	10	.41	267	.03	<3	2.01	.03	.23	<2	<5	<1	<1
L7350E 5475N	12	18	56	306	<.3	7	4	1050	5.04	8	<5	<2	26	9	<.2	<2	<2	14	.11	.021	113	9	.43	145	.03	7	2.42	.01	.27	<2	<5	1	1
L7350E 5450N	11	8	33	103	<.3	2	2	566	3.89	<2	<5	<2	5	7	<.2	<2	<2	7	.09	.027	86	9	.26	291	.02	<3	1.55	.01	.21	<2	<5	<1	<1
L7350E 5425N	11	13	45	218	<.3	3	3	1500	4.23	7	<5	<2	15	8	<.2	<2	<2	8	.09	.031	122	<1	.38	195	.05	<3	1.60	.02	.39	<2	<5	<1	<1
L7350E 5400N	3	5	6	48	<.3	3	2	725	1.45	2	<5	<2	<2	9	.2	<2	<2	15	.05	.045	24	1	.09	142	.01	<3	.96	.03	.13	<2	<5	<1	<1
L7350E 5375N	13	24	86	315	<.3	6	5	1957	5.14	14	<5	<2	9	7	<.2	<2	<2	15	.04	.050	76	8	.27	170	.04	4	1.33	<.01	.23	<2	<5	<1	<1
L7350E 5350N	5	10	9	59	<.3	2	3	2224	1.83	<2	<5	<2	<2	7	.4	<2	<2	11	.05	.043	34	1	.07	175	.01	<3	.71	.02	.19	<2	<5	<1	1
L7350E 5325N	7	14	30	146	<.3	4	3	862	4.05	3	<5	<2	4	6	<.2	<2	<2	15	.06	.034	82	7	.34	200	.04	<3	1.62	.01	.38	<2	<5	<1	2
L7400E 5600N	12	16	87	453	<.3	5	3	1240	4.94	9	<5	<2	27	5	<.2	<2	<2	8	.04	.036	181	7	.41	109	.02	<3	2.05	.01	.21	<2	<5	<1	1
L7400E 5575N	8	12	61	241	<.3	6	3	878	3.75	7	<5	<2	7	6	.3	<2	<2	16	.07	.033	129	11	.30	120	.02	<3	1.57	.01	.15	<2	<5	<1	2
L7400E 5550N	11	13	76	324	<.3	5	3	1116	4.99	5	<5	<2	14	6	<.2	<2	<2	13	.05	.028	79	8	.35	103	.06	<3	1.69	.01	.36	<2	<5	<1	<1
L7400E 5525N	14	12	57	262	<.3	4	2	713	4.30	11	<5	<2	8	7	<.2	2	<2	14	.06	.026	63	8	.29	96	.03	3	1.53	.01	.20	<2	<5	1	1
L7400E 5500N	21	34	82	432	<.3	7	6	2318	7.02	7	<5	<2	39	14	1.2	<2	<2	10	.36	.060	182	10	.51	169	.08	7	1.56	.01	.61	<2	<5	<1	<1
L7400E 5450N	12	23	78	770	.3	9	4	1698	5.10	8	12	<2	13	27	1.8	3	<2	17	.52	.066	202	20	.47	307	.04	3	1.95	.03	.33	<2	<5	1	1
L7400E 5425N	5	9	30	145	<.3	2	2	731	2.38	2	<5	<2	<2	22	.4	<2	<2	12	.42	.063	76	5	.21	201	.03	<3	.98	.04	.22	<2	<5	<1	<1
L7400E 5400N	8	17	93	311	<.3	9	8	2857	4.49	5	<5	<2	39	19	.5	2	<2	14	.22	.058	225	20	.50	507	.08	<3	1.44	.01	.43	<2	<5	<1	<1
L7400E 5375N	5	9	26	148	<.3	5	3	765	3.41	2	<5	<2	6	8	<.2	<2	<2	17	.08	.044	59	8	.38	253	.06	<3	1.52	.01	.40	<2	<5	1	1
L7400E 5350N	13	15	82	337	<.3	4	3	1223	5.14	10	<5	<2	7	4	<.2	<2	<2	10	.03	.038	172	9	.30	131	.02	<3	1.73	.01	.30	<2	<5	<1	1
L7400E 5325N	9	12	42	207	<.3	6	4	1219	4.46	2	<5	<2	10	5	<.2	<2	<2	33	.04	.042	99	19	.40	329	.08	<3	1.64	.01	.49	<2	<5	<1	<1
L7450E 5600N	10	11	75	384	.5	4	5	4725	3.87	12	<5	<2	4	7	4.8	2	<2	21	.09	.043	74	21	.34	428	.05	<3	1.29	.01	.31	<2	<5	1	1
RE L7450E 5600N	10	12	75	393	.5	5	5	4756	3.97	11	<5	<2	4	7	5.0	<2	<2	22	.09	.044	76	19	.35	432	.05	<3	1.31	.01	.33	<2	<5	<1	1
L7450E 5575N	17	14	91	274	<.3	6	4	603	4.89	40	<5	<2	3	7	.2	<2	<2	19	.08	.038	65	10	.31	88	.04	<3	1.31	.01	.27	<2	<5	<1	<1
L7450E 5550N	12	16	107	305	<.3	9	4	1134	5.09	14	<5	<2	17	7	.2	<2	<2	17	.09	.035	125	13	.44	89	.05	<3	1.46	.01	.27	<2	<5	<1	<1
L7450E 5525N	12	12	65	315	<.3	3	3	1678	4.55	6	<5	<2	6	6	.8	<2	<2	14	.09	.040	320	11	.18	101	.02	<3	.92	.01	.19	<2	<5	<1	<1
L7450E 5500N	9	13	62	327	<.3	3	2	1046	4.33	8	<5	<2	9	8	.2	2	<2	12	.09	.038	181	8	.21	108	.02	<3	1.05	.01	.21	<2	<5	<1	1
L7450E 5475N	15	17	77	411	<.3	5	3	1739	4.88	9	<5	<2	7	8	.6	<2	<2	14	.08	.037	128	10	.27	162	.02	<3	1.52	.01	.21	<2	<5	<1	2
L7450E 5450N	14	20	104	414	<.3	5	3	1447	5.06	11	<5	<2	46	7	.3	<2	<2	9	.08	.019	296	8	.36	174	.04	<3	1.45	.01	.31	<2	<5	<1	<1
L7450E 5425N	19	50	66	429	<.3	5	4	1678	6.39	12	<5	<2	63	10	.3	2	<2	8	.13	.020	209	10	.40	135	.06	3	1.34	.01	.48	<2	<5	<1	<1
L7450E 5400N	16	36	88	400	<.3	6	5	1968	5.96	17	<5	<2	46	9	.3	<2	<2	11	.09	.038	190	8	.42	142	.05	<3	1.49	.01	.35	<2	<5	<1	<1
L7450E 5375N	19	39	102	587	<.3	7	5	2069	7.09	19	<5	<2	67	6	.3	<2	<2	11	.04	.035	193	8	.47	134	.06	9	1.96	.01	.42	<2	<5	<1	<1
L7450E 5350N	13	22	83	340	<.3	5	4	2157	4.84	12	<5	<2	4	5	.2	<2	<2	11	.03	.063	66	6	.31	211	.03	<3	1.12	.01	.41	<2	<5	<1	<1
L7450E 5325N	14	18	52	293	<.3	5	4	1340	5.15	9	5	<2	9	7	<.2	<2	<2	15	.07	.043	80	9	.36	162	.05	3	1.25	.01	.42	<2	<5	<1	<1
L7500E 5600N	8	16	88	299	<.3	9	4	707	4.27	12	<5	<2	2	11	1.0	<2	<2	32	.14	.059	71	19	.22	136	.03	<3	1.03	.01	.18	<2	<5	<1	<1
L7500E 5550N	15	13	29	153	<.3	3	2	416	2.71	7	<5	<2	<2	5	.4	<2	<2	22	.06	.042	47	8	.08	65	.02	8	.49	.02	.13	<2	<5	<1	<1
L7500E 5525N	17	15	56	261	.3	3	3	4171	4.19	4	<5	<2	5	9	2.7	<2	<2	11	.14	.055	80	13	.18	284	.03	<3	.65	.01	.27	<2	<5	<1	<1
STANDARD C2/AU-S	19	57	44	133	6.4	70	35	1145	3.93	37	18	6	34	50	19.8	14	15	69	.51	.106	41	60	.97	184	.07	31	2.02	.08	.17	11	<5	1	49

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L7500E 5500N	4	22	58	220	.4	4	3	3515	1.96	2	<5	<2	<2	26	4.9	<2	<2	16	.30	.060	96	3	.10	249	.02	<3	.60	.02	.12	<2	<5	<1	2
L7500E 5475N	3	6	10	65	<.3	1	2	594	1.24	4	<5	<2	<2	8	.8	<2	<2	11	.08	.048	22	1	.07	56	.02	<3	.41	.03	.09	<2	<5	<1	2
L7500E 5450N	14	8	63	285	.3	3	3	3957	3.23	9	<5	<2	10	8	2.1	<2	<2	11	.07	.055	99	4	.17	243	.03	<3	.95	.01	.20	<2	<5	<1	1
L7500E 5425N	13	25	67	479	.3	4	3	1134	5.32	17	<5	<2	45	9	1.1	<2	<2	9	.14	.026	137	6	.43	142	.08	<3	1.41	.01	.39	<2	<5	<1	1
L7500E 5400N	12	34	96	585	.5	7	4	1469	5.09	23	<5	<2	47	10	1.6	<2	2	12	.16	.026	171	8	.37	147	.07	<3	1.15	.01	.32	<2	<5	<1	2
L7500E 5375N	17	38	95	374	.6	5	4	1820	5.83	20	<5	<2	62	8	.9	<2	<2	8	.13	.030	255	3	.35	180	.06	<3	1.42	.01	.35	<2	<5	<1	3
RE L7500E 5400N	13	35	100	609	.5	7	4	1504	5.28	20	<5	<2	49	11	1.7	<2	<2	12	.17	.026	179	8	.39	152	.07	<3	1.21	.01	.34	<2	<5	<1	1
L7500E 5350N	4	7	12	61	<.3	2	2	189	1.50	4	<5	<2	<2	7	.5	<2	<2	18	.06	.034	53	3	.08	69	.03	<3	.66	.02	.09	<2	<5	<1	1
L7500E 5325N	7	9	19	109	.3	2	2	897	2.45	8	<5	<2	<2	11	.6	<2	<2	18	.12	.046	69	3	.15	178	.03	4	.87	.02	.18	<2	<5	<1	1
STANDARD C2/AU-S	20	57	44	141	6.2	73	36	1097	3.84	44	19	7	35	49	20.0	18	18	71	.54	.105	40	64	.93	197	.08	25	1.92	.06	.14	13	<5	2	44

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

[redacted] ANALYTICAL LABORATORIES LTD. [redacted] 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 [redacted] PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Oro Bravo Resources Ltd. File # 96-3976

202 - 4746 E. Hastings St, Burnaby BC V5C 2K7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
96-01-5700 128526	8	3	3	127	.4	1	1	845	5.34	3	<5	<2	19	6	<.2	<2	<2	<1	.04	.031	72	8	.46	222	.09	4	1.43	.03	.78	<2	<5	<1	<1
96-02-5800 128527	26	3	6	161	<.3	5	2	1817	3.56	<2	<5	<2	23	6	1.0	2	<2	1	.14	.011	118	24	.48	757	.11	7	1.56	.03	1.18	<2	<5	<1	2
96-03-5850 128528	7	6	8	38	<.3	2	2	1542	5.04	4	<5	<2	16	11	<.2	<2	<2	<1	.21	.026	253	7	.11	158	<.01	<3	.43	.01	.30	2	<5	<1	1
96-04-5850 128529	3	2	8	63	<.3	4	2	544	3.17	2	<5	<2	36	5	<.2	<2	<2	2	.06	.019	158	23	.47	725	.11	<3	1.30	.07	1.12	<2	<5	<1	1
96-05-5900 128530	9	4	42	22	<.3	5	6	405	2.83	12	<5	<2	31	10	<.2	<2	<2	1	.33	.018	86	15	.06	359	.01	4	.39	.04	.31	2	<5	<1	2
96-06-5900 128531	2	5	9	262	<.3	4	2	480	2.58	5	<5	<2	33	4	.3	<2	<2	1	.03	.017	82	18	.22	430	.05	<3	.88	.05	.67	<2	<5	<1	<1
96-07-5900 128533	12	4	18	5	<.3	2	1	41	1.64	18	<5	<2	9	12	<.2	<2	<2	1	.01	.021	89	15	<.01	307	<.01	<3	.14	.01	.42	2	<5	<1	1
96-08-5950 128534	21	7	27	261	<.3	3	3	2049	12.90	<2	<5	<2	12	2	.3	<2	<2	1	.02	.019	85	3	.03	69	<.01	<3	.54	<.01	.24	2	<5	<1	2
96-08-5950 128535	18	4	11	4	<.3	4	1	45	1.16	8	<5	<2	9	12	<.2	<2	<2	1	.01	.013	50	26	.01	481	<.01	<3	.24	.01	.45	4	<5	<1	<1
96-09-5950 128536	9	4	16	128	.3	2	1	2600	5.13	<2	<5	<2	10	10	<.2	3	<2	<1	1.41	.039	80	17	.48	405	.20	4	1.48	.01	1.05	2	<5	1	1
96-10-5950 128537	4	4	15	270	<.3	4	3	579	2.66	14	<5	<2	29	6	.6	<2	<2	1	.07	.016	95	16	.17	326	.03	<3	.87	.03	.54	<2	<5	<1	<1
96-11-6000 128538	5	3	5	275	<.3	4	3	1463	2.86	3	<5	<2	23	3	1.1	<2	<2	1	.01	.014	75	17	.19	314	.03	<3	.70	.03	.53	2	<5	<1	<1
96-11-6000 128539	6	6	134	1138	<.3	3	<1	798	3.38	<2	<5	<2	13	11	7.1	2	<2	<1	.20	.043	92	19	1.00	589	.19	<3	1.66	.05	1.29	2	<5	<1	<1
96-12-6000 128540	8	10	29	1269	<.3	3	1	1348	6.58	<2	15	<2	39	8	6.0	2	<2	<1	.28	.016	202	17	1.04	308	.11	<3	2.36	.02	.72	3	<5	<1	<1
96-13-6050 128541	6	5	11	55	<.3	2	3	1673	6.06	2	<5	<2	31	4	<.2	<2	<2	<1	.07	.038	221	8	.11	193	<.01	<3	.43	<.01	.37	2	<5	<1	<1
96-14-6050 128542	4	21	12	173	<.3	3	2	1803	1.81	<2	<5	<2	21	87	1.0	<2	<2	<1	1.54	.026	190	15	.04	355	.01	<3	.35	.07	.26	<2	<5	<1	<1
96-15-6100 128543	6	5	19	39	<.3	3	2	1032	3.56	<2	<5	<2	21	2	<.2	<2	<2	1	.01	.014	70	9	.05	155	<.01	<3	.37	.02	.28	2	<5	<1	4
RE 96-15-6100 128543	5	5	21	40	<.3	3	2	1050	3.62	<2	<5	<2	21	2	<.2	<2	<2	1	.01	.015	71	8	.05	158	<.01	<3	.38	.02	.28	2	<5	<1	1
96-16-6200 128544	7	7	292	464	<.3	3	2	1661	2.25	8	7	<2	37	9	1.7	<2	<2	1	.07	.012	140	19	.03	453	<.01	<3	.27	.01	.23	<2	<5	<1	2
96-17-6400 128545	7	5	15	72	<.3	3	2	954	5.87	2	<5	<2	12	4	<.2	<2	<2	<1	.01	.030	94	13	.03	327	<.01	<3	.26	.01	.33	2	<5	<1	1
96-18-6400 128546	5	12	8	51	<.3	2	2	1616	2.60	<2	<5	<2	12	22	.4	<2	<2	<1	1.55	.025	78	5	.11	130	<.01	<3	.29	.01	.25	<2	<5	<1	1
96-18-6350 128547	15	11	21	151	.3	3	3	2365	4.22	9	<5	<2	10	26	.7	2	<2	<1	3.81	.025	71	5	.23	108	<.01	<3	.36	.01	.23	<2	<5	<1	<1
96-19-6350 128548	35	8	66	281	<.3	4	3	326	17.78	84	<5	<2	7	8	.8	<2	<2	<1	.31	.005	36	8	.10	7	<.01	<3	.25	<.01	.17	3	<5	<1	<1
96-23-6550 128552	11	16	26	556	<.3	3	2	2302	7.83	11	<5	<2	15	7	2.2	<2	<2	<1	.29	.029	133	9	.45	120	.08	<3	1.14	.02	.85	2	<5	<1	1
STANDARD C2/AU-R	19	60	41	134	6.7	71	36	1157	3.95	41	21	8	36	51	20.1	17	15	71	.51	.106	41	69	.99	186	.07	28	2.03	.08	.16	10	<5	1	406

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 23 1996 DATE REPORT MAILED: Sept 5/96 SIGNED BY. D. Joye ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Oro Bravo Resources Ltd. PROJECT 6 File # 96-4176 Page 1

202 - 4746 E. Hastings St, Burnaby BC V5C 2K7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
96-20-6350 128549	16	5	13	204	<.3	2	2	1677	3.44	8	<5	<2	20	14	1.0	<2	<2	1	.88	.028	140	4	.11	178	<.01	<3	.31	.01	.25	<2	<5	<1	3
96-21-6450 128550	9	7	9	145	<.3	2	1	2281	5.74	<2	<5	<2	19	9	.2	2	<2	1	1.03	.032	142	5	.28	120	.09	<3	.61	.07	.52	<2	<5	<1	2
96-22-6500 128551	9	7	7	119	.3	1	1	803	7.17	<2	<5	<2	15	6	<.2	3	<2	<1	.10	.028	86	7	.50	181	.09	<3	1.29	.06	.66	<2	<5	1	2
RE 96-22-6500 128551	7	6	12	119	.3	1	1	795	7.25	<2	<5	<2	15	6	<.2	3	<2	<1	.10	.029	85	4	.50	178	.09	<3	1.28	.07	.72	<2	<5	1	2
96-24-6600 128553	60	13	8	190	<.3	2	2	1685	8.72	7	<5	<2	10	6	<.2	<2	<2	<1	1.26	.019	131	4	.63	182	<.01	<3	1.78	.05	.13	<2	<5	<1	2
96-25-6650 128554	45	8	12	39	.3	2	1	327	6.16	27	6	<2	22	2	<.2	<2	<2	1	.01	.031	10	7	.02	113	<.01	<3	.24	<.01	.28	<2	<5	1	2
96-26-6000 128555	8	4	8	633	<.3	2	2	2906	6.61	3	<5	<2	14	17	4.5	<2	<2	<1	.98	.007	132	3	.18	85	<.01	<3	.27	.01	.20	<2	<5	<1	1
96-27-6250 128556	7	4	7	31	<.3	2	2	1798	3.81	<2	<5	<2	10	23	<.2	<2	2	<1	1.36	.044	85	3	.14	219	<.01	<3	.30	.01	.25	<2	<5	1	1
96-28-6100 128601	4	4	37	293	<.3	2	1	1384	5.27	<2	<5	<2	7	20	1.2	<2	<2	<1	.34	.022	49	6	.35	191	.02	<3	1.11	.04	.35	<2	<5	<1	3
96-29-6200 128602	2	47	22	59	.3	62	21	732	5.05	2	6	<2	31	124	<.2	4	<2	145	1.88	.317	36	136	3.05	2628	.37	<3	2.55	.11	.98	3	<5	<1	2
96-30-6750 128603	15	3	16	96	<.3	2	3	2458	6.46	<2	<5	<2	29	15	<.2	<2	2	1	.82	.034	267	13	.14	362	<.01	<3	.41	.03	.19	<2	<5	<1	1
96-31-6650 128604	10	4	15	82	.3	2	3	3301	7.25	3	5	<2	11	27	<.2	<2	<2	<1	.98	.020	54	2	.16	108	<.01	<3	.38	.01	.35	<2	<5	<1	1
96-32-5500 128557	35	5	4	82	<.3	1	1	629	5.04	3	<5	<2	26	6	<.2	2	<2	<1	.05	.038	111	3	.27	184	.07	<3	1.06	.02	.93	<2	<5	1	1
96-33-5500 128558	6	2	24	74	<.3	1	3	3092	5.99	<2	<5	<2	7	6	<.2	<2	<2	<1	.10	.044	77	5	.09	91	.02	<3	.35	.01	.28	<2	<5	<1	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P8 SOIL AU* - IGNITED, AQUA-REGIA/HIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 1996 DATE REPORT MAILED: Sept 16/96 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L5650E 5300N	<1	1	<3	11	<.3	1	<1	164	.31	<2	<5	<2	<2	8	<.2	<2	<2	9	.07	.019	2	1	.02	25	.02	3	.12	.02	.04	<2	<5	<1	<1
L5650E 5275N	1	5	3	55	<.3	2	1	969	.84	2	<5	<2	<2	9	1.4	<2	<2	12	.11	.023	18	2	.04	71	.02	5	.19	.02	.06	<2	<5	<1	<1
L5650E 5250N	<1	4	3	54	<.3	2	1	865	.67	<2	<5	<2	<2	10	1.6	<2	2	13	.11	.024	17	3	.05	71	.02	4	.21	.03	.07	<2	<5	<1	2
L5650E 5225N	<1	4	5	76	<.3	2	1	1378	.73	<2	<5	<2	<2	12	2.0	<2	<2	14	.15	.028	19	2	.05	102	.02	5	.23	.03	.07	<2	<5	<1	<1
L5650E 5200N	<1	3	<3	12	<.3	2	1	59	.45	<2	<5	<2	<2	8	<.2	<2	<2	13	.07	.017	2	1	.02	20	.02	4	.13	.04	.04	<2	<5	1	1
L5650E 5175N	<1	3	3	50	<.3	2	1	859	.59	<2	<5	<2	<2	10	1.3	<2	<2	13	.10	.024	15	2	.04	67	.02	3	.20	.03	.06	<2	<5	<1	<1
L5650E 5150N	7	35	63	325	<.3	11	13	6797	5.43	<2	<5	<2	4	17	7.4	<2	<2	33	.13	.089	108	15	.27	414	.08	5	1.41	.02	.32	<2	<5	<1	5
L5650E 5100N	2	5	8	39	<.3	2	1	379	1.64	<2	6	<2	<2	8	.4	<2	<2	27	.08	.038	12	4	.06	45	.04	4	.33	.02	.05	<2	<5	1	1
L5650E 5075N	6	6	72	178	<.3	2	1	729	3.15	4	<5	<2	2	7	1.5	<2	2	5	.09	.046	97	3	.14	219	.01	5	.86	.01	.15	<2	<5	<1	1
L5650E 5050N	1	3	28	40	<.3	1	1	128	1.03	2	<5	<2	<2	5	<.2	<2	<2	9	.04	.053	19	2	.05	76	.01	5	.45	.02	.05	<2	<5	<1	2
L5650E 5025N	9	19	104	1456	<.3	10	5	4503	5.25	13	9	<2	4	29	3.1	<2	<2	17	.35	.066	59	11	.35	245	.04	5	1.19	.02	.20	<2	<5	1	1
L5650E 5000N	9	16	72	1722	<.3	8	6	2824	5.52	15	<5	<2	8	20	2.2	2	<2	16	.21	.060	79	11	.41	267	.05	<3	1.47	.01	.22	<2	<5	<1	3
L5650E 4975N	8	12	61	1219	<.3	6	<1	1057	4.08	11	<5	<2	5	14	.6	<2	<2	13	.16	.049	63	7	.40	115	.05	<3	1.22	.02	.19	<2	<5	<1	1
L5650E 4950N	8	16	70	2988	<.3	11	5	11428	7.10	9	8	<2	3	43	5.5	<2	3	16	.58	.074	134	9	.40	397	.05	3	1.28	.01	.20	<2	<5	<1	2
L6000E 4650N	15	5	36	154	<.3	<1	<1	357	8.77	9	<5	<2	5	8	<.2	<2	<2	1	.01	.050	40	1	.01	46	<.01	3	.37	.02	.11	<2	<5	<1	<1
L6000E 4625N	22	11	40	178	.4	2	<1	320	8.67	16	<5	<2	8	11	<.2	<2	<2	7	.01	.054	42	4	.04	116	.01	<3	.65	.02	.22	<2	<5	<1	1
L6000E 4575N	13	3	31	205	<.3	2	<1	364	7.72	9	<5	<2	7	5	<.2	<2	<2	3	.02	.033	51	2	.07	104	<.01	<3	.91	.01	.10	<2	<5	<1	1
L6000E 4550N	15	3	37	141	<.3	<1	<1	161	7.83	13	<5	<2	6	4	<.2	<2	<2	1	.01	.027	33	1	.01	70	<.01	7	.36	.01	.14	<2	<5	1	1
L6000E 4525N	8	14	23	170	<.3	8	3	4612	9.38	6	5	<2	29	6	<.2	<2	2	29	.04	.044	48	17	.24	94	.06	3	1.23	.01	.14	<2	<5	<1	2
L6000E 4500N	4	1	13	342	<.3	<1	<1	5586	38.84	<2	<5	<2	11	15	<.2	<2	<2	11	.22	.051	29	2	.09	83	.03	<3	.51	.01	.07	<2	<5	1	<1
L6000E 4475N	4	<1	5	1321	1.0	9	2	67481	13.78	<2	<5	<2	5	95	5.6	<2	5	8	.84	.020	16	1	.11	272	.02	<3	.81	.03	.12	<2	<5	<1	1
L6000E 4450N	7	<1	15	819	<.3	7	<1	41873	16.15	<2	16	<2	5	106	4.2	<2	6	6	1.43	.039	32	3	.20	289	.02	<3	.67	.01	.14	<2	<5	1	1
RE L6000E 4450N	7	<1	17	814	<.3	8	1	41306	16.11	<2	24	<2	5	106	4.4	<2	3	6	1.45	.041	32	3	.21	283	.02	5	.68	.02	.14	<2	<5	<1	2
L6000E 4400N	19	15	95	612	<.3	3	3	3079	7.62	21	<5	<2	13	8	1.7	<2	2	3	.10	.029	132	2	.08	698	.01	<3	.32	.01	.07	<2	<5	<1	2
L6050E 4675N	10	3	38	261	<.3	1	<1	2161	6.98	<2	5	<2	5	14	<.2	<2	<2	4	.11	.063	65	4	.09	185	<.01	<3	1.30	.01	.08	<2	<5	<1	<1
L6050E 4650N	7	9	27	139	<.3	5	1	491	4.56	10	<5	<2	6	6	<.2	<2	<2	27	.03	.026	38	13	.15	101	.05	<3	.76	.01	.12	<2	<5	<1	<1
L6050E 4625N	16	12	46	592	<.3	1	<1	1750	12.17	18	<5	<2	8	4	<.2	<2	6	4	.04	.070	47	4	.04	117	.01	<3	.82	<.01	.08	<2	<5	<1	3
L6050E 4575N	8	5	22	220	<.3	2	<1	406	5.49	6	<5	<2	7	5	.6	2	<2	18	.04	.030	45	7	.09	64	.04	<3	.81	<.01	.13	<2	<5	1	1
L6050E 4525N	10	13	44	211	<.3	7	2	592	4.71	13	<5	<2	9	7	<.2	<2	<2	13	.08	.037	69	8	.28	124	.03	<3	.87	.01	.18	<2	<5	1	2
L6050E 4500N	10	15	41	218	<.3	8	2	376	4.90	14	<5	<2	8	6	<.2	<2	<2	15	.05	.041	80	9	.32	131	.03	4	1.01	.01	.18	<2	<5	<1	<1
L6050E 4475N	12	8	67	290	<.3	1	<1	908	4.67	17	<5	<2	3	7	.2	<2	<2	6	.07	.052	75	3	.07	277	.01	3	.47	.01	.05	<2	<5	<1	3
L6050E 4450N	12	14	99	441	.3	1	1	1084	4.90	17	<5	<2	4	13	.7	<2	<2	6	.29	.049	91	2	.08	530	.01	3	.60	<.01	.06	<2	<5	<1	<1
L6050E 4425N	15	13	97	544	<.3	2	1	1427	6.28	24	<5	<2	11	8	.6	<2	<2	2	.09	.030	119	1	.04	812	<.01	3	.26	<.01	.05	<2	<5	<1	2
L6050E 4400N	8	15	34	101	<.3	7	3	467	3.65	12	<5	<2	15	7	<.2	2	<2	23	.10	.032	99	11	.29	146	.05	<3	1.21	.01	.13	<2	<5	<1	2
STANDARD G2/AU-S	20	59	39	143	7.7	73	35	1186	3.98	48	25	8	34	53	21.3	21	19	70	.51	.110	41	61	.97	206	.08	31	2.00	.06	.14	13	<5	3	43

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6100E 4700N	4	5	11	36	<.3	2	<1	177	2.59	5	<5	<2	5	5	<.2	<2	<2	14	.04	.021	64	3	.07	37	.02	<3	.50	.02	.06	<2	<5	<1	<1
L6100E 4675N	7	15	23	166	<.3	13	4	2071	4.87	5	<5	<2	17	18	.4	<2	2	27	.37	.079	82	17	.30	86	.06	<3	.67	.01	.10	<2	<5	1	2
L6100E 4650N	12	10	106	490	<.3	<1	2	1637	4.87	15	<5	<2	5	14	.9	<2	<2	5	.27	.045	85	2	.07	276	.01	<3	.44	.02	.07	<2	<5	<1	1
L6100E 4625N	5	5	26	135	<.3	1	<1	233	1.99	6	<5	<2	<2	5	.5	<2	<2	7	.06	.028	53	1	.04	181	.01	3	.39	.03	.04	<2	<5	<1	<1
L6100E 4600N	13	10	39	321	<.3	4	<1	744	5.67	8	<5	<2	7	6	.3	<2	<2	11	.04	.033	93	8	.17	115	.02	<3	1.02	.01	.13	<2	<5	<1	<1
L6100E 4575N	17	7	22	252	<.3	3	<1	472	6.06	6	<5	<2	9	5	<.2	<2	<2	11	.02	.029	81	5	.08	86	.02	4	.76	.01	.10	<2	<5	1	<1
L6100E 4550N	16	9	29	370	<.3	2	<1	1229	8.70	11	<5	<2	10	6	.3	<2	<2	16	.04	.034	88	9	.14	151	.03	<3	.82	<.01	.14	<2	<5	1	<1
L6100E 4525N	2	8	18	95	<.3	2	1	461	1.85	4	<5	<2	<2	8	1.0	<2	<2	18	.06	.022	41	5	.09	105	.05	3	.61	.03	.10	<2	<5	<1	<1
L6100E 4475N	8	13	107	382	<.3	7	2	1000	4.55	15	5	<2	11	10	.8	<2	2	22	.08	.025	60	15	.37	176	.08	<3	1.35	.01	.31	<2	<5	<1	2
L6100E 4450N	5	13	64	385	<.3	13	3	834	3.75	10	<5	<2	7	14	1.4	<2	<2	36	.14	.025	46	23	.45	170	.09	<3	1.45	.01	.22	<2	<5	<1	5
L6100E 4425N	6	19	75	371	.3	7	2	1524	3.81	14	<5	<2	4	14	5.8	<2	<2	29	.08	.036	99	12	.22	325	.06	<3	1.47	.01	.24	<2	<5	<1	2
L6150E 4700N	14	5	32	74	<.3	2	1	1343	3.89	16	<5	<2	18	4	<.2	<2	<2	6	.03	.033	153	3	.08	51	.01	<3	.56	.01	.08	<2	<5	<1	1
RE L6150E 4650N	8	9	28	112	<.3	3	2	824	5.24	7	<5	<2	14	12	<.2	<2	<2	11	.19	.033	109	7	.21	106	.03	<3	.70	<.01	.11	<2	<5	<1	<1
L6150E 4675N	9	4	27	46	<.3	<1	1	429	3.33	10	<5	<2	5	9	<.2	<2	<2	7	.09	.025	73	2	.05	61	.01	<3	.37	.02	.11	<2	<5	<1	<1
L6150E 4650N	8	9	27	111	<.3	4	2	816	5.19	6	<5	<2	15	12	<.2	<2	2	11	.19	.032	110	7	.21	112	.03	<3	.69	.01	.11	<2	<5	<1	<1
L6150E 4625N	9	9	27	121	<.3	6	3	635	4.07	8	<5	<2	15	13	.2	<2	2	14	.25	.054	102	9	.23	104	.03	<3	.65	<.01	.13	<2	<5	<1	<1
L6150E 4600N	14	13	118	675	.3	4	1	1806	5.98	20	<5	<2	10	12	1.9	<2	<2	10	.25	.036	111	6	.16	450	.02	<3	.61	.01	.14	<2	<5	<1	1
L6150E 4575N	7	8	65	323	<.3	2	2	1082	3.43	10	<5	<2	4	9	.3	2	<2	8	.14	.026	69	2	.07	261	.01	<3	.65	.02	.05	<2	<5	<1	1
L6150E 4550N	5	10	36	183	<.3	3	1	489	2.75	4	<5	<2	<2	7	1.1	<2	<2	18	.05	.027	56	6	.20	184	.04	<3	.90	.02	.22	<2	<5	1	1
L6150E 4500N	7	10	31	203	<.3	5	1	550	3.79	4	<5	<2	4	10	1.1	<2	<2	30	.07	.037	69	12	.22	224	.06	<3	1.01	.01	.20	<2	<5	<1	1
L6150E 4475N	5	8	42	265	<.3	5	2	532	3.43	3	<5	<2	5	15	1.3	<2	<2	28	.15	.034	43	12	.25	166	.06	<3	1.04	.01	.19	<2	<5	<1	4
L6150E 4450N	7	14	70	388	<.3	9	2	1135	4.44	5	<5	<2	6	16	1.0	2	4	27	.17	.039	61	18	.42	220	.08	<3	1.29	.01	.30	<2	<5	<1	2
L6150E 4425N	6	12	62	278	<.3	4	1	798	3.50	3	<5	<2	3	9	.9	<2	2	26	.08	.038	63	10	.27	160	.06	<3	1.23	.01	.25	<2	<5	<1	2
L6200E 4675N	5	7	31	241	<.3	4	1	754	3.26	<2	<5	<2	4	14	1.5	<2	2	22	.19	.032	39	9	.29	187	.08	<3	1.10	.01	.29	<2	<5	<1	1
L6200E 4650N	8	10	46	255	<.3	9	2	1298	4.67	2	<5	<2	13	11	<.2	<2	<2	20	.11	.020	69	14	.32	166	.05	<3	1.23	<.01	.19	<2	<5	1	<1
L6200E 4625N	7	8	44	236	<.3	5	1	700	4.33	3	<5	<2	10	8	.5	<2	4	24	.07	.027	62	11	.24	149	.07	3	1.29	.01	.24	<2	<5	<1	5
L6200E 4600N	8	15	35	211	<.3	22	5	1092	4.25	4	<5	<2	8	37	.7	<2	<2	45	.72	.059	57	40	.88	391	.11	<3	1.51	.02	.28	<2	<5	1	2
L6200E 4575N	7	21	42	190	<.3	32	8	1275	3.87	<2	<5	<2	12	49	.8	<2	<2	64	.99	.078	59	56	1.30	448	.17	3	1.60	.02	.22	<2	<5	<1	1
L6200E 4550N	15	13	108	485	.5	1	1	863	5.56	21	<5	<2	14	10	.2	<2	<2	2	.21	.027	129	2	.07	564	<.01	<3	.42	<.01	.06	<2	<5	<1	3
L6200E 4525N	15	16	122	555	<.3	3	2	2379	5.64	23	<5	<2	10	7	1.2	<2	2	2	.14	.030	123	2	.05	582	<.01	<3	.48	<.01	.07	<2	<5	<1	3
L6200E 4500N	8	8	33	138	<.3	5	2	615	4.02	9	<5	<2	11	12	<.2	<2	3	18	.21	.046	79	10	.22	97	.06	<3	.74	<.01	.14	<2	<5	<1	2
L6200E 4475N	6	14	26	138	<.3	13	4	681	4.17	5	<5	<2	13	39	.3	<2	<2	31	.77	.069	93	20	.49	187	.08	3	1.09	.01	.14	<2	<5	1	1
L6200E 4450N	8	7	20	87	<.3	5	2	245	3.11	7	<5	<2	7	6	<.2	<2	<2	20	.07	.029	87	9	.22	108	.02	<3	1.14	.01	.11	<2	<5	1	<1
L6200E 4425N	15	5	26	74	<.3	2	1	284	3.00	12	<5	<2	14	6	<.2	<2	3	6	.10	.029	137	3	.08	122	.01	<3	.44	<.01	.07	<2	<5	<1	<1
L6200E 4400N	28	2	8	58	<.3	<1	<1	1365	5.96	<2	<5	<2	3	2	<.2	<2	<2	4	.02	.034	29	2	.07	47	<.01	<3	.59	.01	.06	<2	<5	<1	<1
STANDARD C2/AU-S	21	60	40	152	7.2	78	36	1193	4.10	38	22	8	37	56	21.3	18	19	75	.56	.107	44	68	1.01	206	.09	29	2.17	.06	.16	11	<5	2	50

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6250E 4675N	7	8	50	238	<.3	2	1	1347	3.78	<2	5	<2	6	11	1.2	<2	4	20	.11	.029	38	8	.22	265	.07	4	1.00	.01	.30	<2	<5	<1	3
L6250E 4625N	7	5	22	193	<.3	4	<1	713	4.84	4	<5	<2	7	8	.9	<2	<2	20	.10	.033	67	9	.17	149	.05	<3	1.05	<.01	.21	<2	<5	<1	1
L6250E 4600N	8	7	28	173	<.3	3	<1	1117	5.09	2	<5	<2	5	8	.5	<2	<2	12	.08	.035	101	4	.10	193	.02	<3	.85	.01	.14	<2	<5	<1	<1
L6250E 4575N	12	11	117	576	<.3	3	1	1137	5.41	17	<5	<2	7	9	1.1	<2	3	10	.19	.042	108	6	.15	326	.02	<3	.68	<.01	.11	<2	<5	<1	4
L6250E 4550N	15	13	112	621	<.3	2	1	1813	6.20	23	5	<2	11	9	1.6	<2	3	3	.25	.041	126	1	.07	461	<.01	<3	.30	.01	.06	<2	<5	<1	2
L6250E 4525N	6	7	21	117	<.3	5	1	608	3.16	8	<5	<2	6	14	<.2	<2	3	17	.21	.050	111	10	.21	143	.03	4	.90	.01	.09	<2	<5	<1	6
L6250E 4500N	6	6	25	103	<.3	3	1	408	3.06	21	<5	<2	3	34	<.2	2	2	8	.67	.046	90	3	.08	125	.01	3	.51	.01	.04	<2	<5	<1	5
L6250E 4475N	4	8	25	97	<.3	4	1	358	2.68	2	<5	<2	3	32	.2	<2	3	12	.74	.051	66	6	.17	104	.02	5	.78	.02	.08	<2	<5	<1	2
L6250E 4450N	6	8	25	83	<.3	5	3	575	3.23	7	<5	<2	5	19	<.2	<2	<2	20	.35	.050	59	9	.20	144	.03	<3	.83	.02	.10	<2	<5	<1	1
L6250E 4425N	4	16	32	107	<.3	31	7	750	4.01	2	<5	<2	16	47	<.2	<2	3	66	.98	.071	78	50	1.27	313	.18	<3	1.77	.01	.14	<2	<5	<1	1
L6250E 4400N	8	6	27	91	<.3	7	3	885	4.41	4	9	<2	12	6	.2	<2	<2	20	.06	.027	92	12	.29	64	.03	<3	1.09	<.01	.09	<2	<5	<1	1
L6300E 4675N	10	11	45	348	<.3	3	1	1148	4.76	9	<5	<2	10	4	.9	<2	<2	12	.03	.036	77	5	.12	79	.02	<3	.68	.01	.13	<2	<5	1	1
L6300E 4650N	34	12	103	729	<.3	3	<1	3196	6.98	14	<5	<2	15	10	3.0	<2	3	2	.31	.028	113	1	.11	407	<.01	4	.24	<.01	.09	<2	<5	<1	2
L6300E 4625N	21	14	121	714	.3	3	1	1866	6.43	21	<5	<2	12	12	3.5	<2	<2	10	.21	.039	114	5	.12	319	.02	<3	.52	.01	.08	<2	<5	<1	1
L6300E 4600N	3	9	14	98	<.3	3	1	230	2.02	4	<5	<2	2	13	.3	<2	<2	15	.27	.040	61	4	.09	92	.02	3	.69	.03	.04	<2	<5	<1	1
L6300E 4575N	4	8	22	131	<.3	11	6	648	3.36	5	<5	<2	10	31	<.2	<2	3	37	.60	.067	63	21	.65	132	.11	<3	1.23	.02	.21	<2	<5	1	1
L6300E 4550N	14	5	21	171	<.3	2	<1	563	4.41	13	<5	<2	10	8	<.2	<2	5	8	.11	.044	131	4	.07	77	.01	<3	.53	.01	.06	<2	<5	<1	1
L6300E 4525N	13	9	47	185	<.3	4	<1	990	6.15	16	<5	<2	15	16	.4	<2	<2	9	.21	.042	159	7	.11	112	.02	<3	.52	.01	.08	<2	<5	<1	1
L6300E 4500N	9	10	23	185	<.3	1	1	1161	4.54	11	<5	<2	17	16	<.2	<2	3	5	.28	.037	203	3	.09	100	.01	3	.49	.01	.07	<2	<5	<1	1
RE L6300E 4500N	9	10	20	185	<.3	1	1	1152	4.52	9	<5	<2	17	16	.3	<2	<2	6	.28	.039	204	3	.09	95	.01	<3	.49	.01	.07	<2	<5	<1	1
L6300E 4475N	10	9	24	247	<.3	2	1	1143	4.42	8	<5	<2	15	17	.4	<2	<2	9	.35	.041	179	5	.09	187	.02	<3	.50	<.01	.06	<2	<5	<1	1
L6300E 4450N	10	9	25	85	.4	1	1	357	2.35	11	<5	<2	5	29	.3	<2	2	3	.58	.042	92	1	.06	123	.01	3	.45	.01	.04	<2	<5	<1	1
L6300E 4425N	6	12	34	84	<.3	24	5	550	4.85	<2	<5	<2	8	15	<.2	<2	2	103	.10	.036	47	51	.91	356	.17	<3	1.99	.02	.12	<2	<5	<1	1
L6300E 4400N	6	6	14	75	<.3	2	1	327	3.45	3	<5	<2	15	4	<.2	<2	3	26	.04	.019	74	7	.12	97	.05	<3	.95	.01	.09	<2	<5	<1	<1
L6350E 4675N	16	12	30	205	<.3	4	1	1151	4.37	11	<5	<2	13	11	.4	<2	<2	9	.11	.035	162	5	.08	125	.01	<3	.57	.01	.06	<2	<5	<1	1
L6350E 4650N	15	11	39	327	<.3	4	1	1116	4.11	15	<5	<2	20	10	.5	<2	<2	8	.21	.036	251	3	.07	70	.01	<3	.50	.01	.05	<2	<5	<1	2
L6350E 4625N	9	9	30	160	<.3	2	<1	647	4.01	8	<5	<2	5	11	<.2	<2	2	11	.23	.053	126	4	.09	102	.01	<3	.72	.02	.04	<2	<5	<1	1
L6350E 4600N	6	5	24	175	<.3	<1	<1	838	2.74	2	<5	<2	6	31	.3	<2	4	2	.63	.036	293	1	.06	159	<.01	<3	.63	.01	.10	<2	<5	1	<1
L6350E 4575N	9	5	31	178	<.3	1	<1	683	3.83	4	<5	<2	13	15	<.2	<2	4	4	.23	.033	129	2	.06	93	.01	<3	.43	<.01	.07	<2	<5	<1	1
L6350E 4550N	13	7	25	178	<.3	1	<1	831	4.51	15	<5	<2	12	9	<.2	<2	2	8	.13	.037	136	4	.10	107	.01	<3	.61	.01	.07	<2	<5	<1	1
L6350E 4525N	10	4	28	122	<.3	1	<1	972	3.92	7	<5	<2	14	6	<.2	<2	<2	6	.10	.028	175	3	.05	81	.01	<3	.46	.01	.06	<2	<5	<1	2
L6350E 4500N	10	3	18	81	<.3	<1	<1	346	3.56	4	<5	<2	15	4	<.2	<2	7	6	.03	.031	171	3	.05	116	.01	<3	.56	<.01	.07	<2	<5	<1	<1
L6350E 4475N	11	6	34	93	<.3	1	<1	295	3.60	8	<5	<2	14	4	.3	<2	<2	5	.05	.028	159	2	.04	133	.01	<3	.57	<.01	.06	<2	<5	<1	1
L6350E 4450N	16	9	32	122	.8	1	<1	486	4.31	19	<5	<2	25	4	<.2	2	<2	1	.02	.025	154	1	.02	87	<.01	<3	.28	<.01	.05	<2	<5	<1	1
L6350E 4425N	10	10	30	58	1.1	1	<1	606	3.69	14	<5	<2	10	23	<.2	<2	<2	2	.66	.040	141	1	.08	242	<.01	3	.46	.01	.05	<2	<5	<1	3
STANDARD C2/AU-S	21	58	39	151	7.8	75	35	1173	4.03	37	21	7	36	53	21.5	17	18	73	.54	.103	42	65	1.01	198	.08	28	2.13	.06	.15	11	<5	2	42

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6350E 4400N	31	23	290	78	10.3	1	<1	127	3.59	41	<5	<2	13	8	<.2	32	<2	12	.03	.033	119	4	.06	80	.03	<3	.37	.01	.11	<2	5	2	5
L6400E 4675N	14	16	91	964	.5	2	1	2481	7.16	21	<5	<2	12	7	3.2	<2	<2	3	.21	.031	100	2	.10	110	<.01	<3	.29	.01	.05	<2	<5	1	2
L6400E 4650N	4	4	16	86	<.3	1	1	196	1.99	4	<5	<2	3	6	<.2	<2	<2	9	.07	.032	51	2	.05	45	.01	<3	.48	.03	.03	<2	<5	1	<1
L6400E 4625N	6	10	33	180	<.3	5	1	504	3.52	18	<5	<2	15	8	.2	<2	<2	16	.07	.025	113	11	.14	60	.02	<3	.53	.02	.06	<2	<5	<1	1
L6400E 4600N	1	2	6	36	<.3	1	<1	118	.75	<2	<5	<2	<2	6	<.2	<2	<2	13	.05	.012	9	1	.02	16	.02	<3	.14	.04	.02	<2	<5	<1	<1
L6400E 4575N	10	8	36	235	<.3	2	<1	537	5.07	14	<5	<2	7	9	<.2	<2	<2	7	.25	.050	112	4	.08	88	.01	<3	.57	.02	.04	<2	<5	1	<1
L6400E 4550N	10	5	40	240	<.3	<1	<1	1155	3.23	9	<5	<2	5	30	.5	<2	<2	2	.88	.042	115	1	.09	132	<.01	<3	.46	.01	.10	<2	<5	<1	<1
RE L6400E 4450N	13	5	46	226	<.3	<1	1	1751	5.24	13	<5	<2	29	6	<.2	<2	3	4	.10	.031	224	2	.05	92	.01	<3	.34	.01	.06	<2	<5	<1	<1
L6400E 4500N	13	8	64	297	.4	<1	<1	2535	5.84	25	<5	<2	16	16	.3	<2	<2	2	.29	.030	133	1	.06	113	.01	<3	.38	.01	.08	<2	<5	<1	<1
L6400E 4475N	8	4	28	143	<.3	<1	1	995	3.32	9	<5	<2	3	6	<.2	<2	3	10	.07	.042	104	3	.06	87	.01	<3	.54	.02	.06	<2	<5	<1	<1
L6400E 4450N	12	5	46	227	<.3	1	1	1793	5.32	13	<5	<2	29	6	<.2	<2	4	3	.10	.031	224	1	.05	83	.01	3	.35	.01	.05	<2	<5	<1	1
L6400E 4425N	10	6	48	108	<.3	<1	<1	292	4.74	12	<5	<2	21	5	<.2	<2	<2	7	.02	.033	183	3	.06	40	.02	<3	.51	.01	.08	<2	<5	<1	<1
L6400E 4400N	7	7	14	149	<.3	3	1	2546	3.38	3	<5	<2	15	8	.4	<2	4	6	.09	.036	332	5	.08	295	.01	<3	.68	.01	.06	<2	<5	<1	1
L6450E 4675N	14	10	45	331	<.3	1	<1	701	5.65	16	<5	<2	11	7	<.2	<2	<2	6	.13	.038	140	3	.07	79	.01	<3	.44	.02	.04	<2	<5	<1	<1
L6450E 4650N	11	7	40	285	<.3	2	<1	827	4.78	13	<5	<2	9	9	<.2	<2	<2	12	.13	.030	135	5	.06	140	.01	<3	.57	.02	.04	<2	<5	1	<1
L6450E 4625N	14	12	56	403	<.3	<1	<1	1366	6.45	17	<5	<2	15	5	.6	<2	<2	5	.12	.035	143	3	.09	87	.01	<3	.38	.01	.04	<2	<5	<1	1
L6450E 4600N	8	8	38	282	<.3	1	<1	571	4.22	12	<5	<2	9	6	<.2	<2	3	6	.12	.040	136	3	.07	83	.01	<3	.58	.02	.05	<2	<5	<1	<1
L6450E 4575N	16	8	56	356	<.3	1	<1	2130	5.75	15	<5	<2	21	7	.6	<2	4	2	.10	.026	154	1	.06	103	<.01	<3	.25	.01	.08	<2	<5	<1	<1
L6450E 4550N	16	6	55	393	.3	1	1	3116	6.08	22	<5	<2	26	16	.6	<2	4	1	.17	.026	219	1	.07	139	<.01	<3	.36	.01	.11	<2	<5	1	3
L6450E 4525N	21	9	65	394	<.3	1	<1	2865	5.60	31	<5	<2	28	14	.6	2	<2	2	.11	.035	250	<1	.05	103	<.01	<3	.25	.01	.09	<2	<5	1	<1
L6450E 4500N	24	13	87	117	.4	1	<1	1992	6.72	34	<5	<2	13	5	<.2	<2	4	1	.06	.019	109	<1	.03	125	<.01	4	.21	.01	.07	<2	<5	<1	1
L6450E 4475N	9	6	26	127	<.3	<1	<1	863	4.48	11	<5	<2	23	5	<.2	<2	2	6	.05	.032	198	2	.05	60	.01	<3	.50	.01	.06	<2	<5	<1	<1
L6450E 4450N	8	7	43	94	<.3	<1	1	1767	4.88	11	<5	<2	22	5	<.2	<2	<2	5	.07	.026	159	1	.04	66	.01	3	.27	.01	.05	<2	<5	<1	1
L6450E 4425N	40	8	28	141	<.3	1	1	1024	3.96	10	<5	<2	11	8	<.2	<2	4	5	.13	.034	157	2	.05	632	.01	<3	.51	.01	.06	<2	<5	<1	<1
L6450E 4400N	5	6	20	138	<.3	1	<1	858	3.08	<2	<5	<2	11	10	.2	<2	<2	15	.08	017	76	4	.16	374	.05	<3	.99	.03	.20	<2	<5	<1	<1
L6500E 4675N	14	13	63	402	.3	<1	<1	905	5.77	16	<5	<2	13	5	.2	<2	<2	5	.10	.031	149	2	.07	102	.01	<3	.35	.01	.04	<2	<5	<1	1
L6500E 4650N	12	10	42	343	<.3	1	<1	1008	5.77	14	<5	<2	12	6	.2	<2	<2	5	.14	.037	135	3	.09	66	.01	<3	.40	.01	.04	<2	<5	<1	2
L6500E 4625N	10	7	36	280	<.3	<1	<1	1020	5.78	16	<5	<2	14	6	.3	<2	6	5	.13	.035	158	3	.07	58	.01	3	.40	.01	.04	<2	<5	1	1
L6500E 4600N	10	8	63	377	<.3	2	<1	911	5.40	16	<5	<2	14	6	.2	<2	<2	6	.16	.031	144	3	.08	72	.01	<3	.36	.01	.03	<2	<5	<1	<1
L6500E 4575N	16	12	67	518	<.3	1	1	1954	6.18	19	<5	<2	24	5	.9	<2	3	3	.09	.031	192	2	.06	96	.01	<3	.29	.01	.07	<2	<5	<1	<1
L6500E 4525N	14	8	42	246	<.3	1	2	3251	6.02	8	<5	<2	18	16	.2	<2	6	9	.17	.032	132	2	.09	165	.01	<3	.38	.01	.08	<2	<5	1	<1
L6500E 4500N	17	7	72	616	<.3	1	1	6214	6.61	35	9	<2	22	16	1.7	<2	<2	8	.16	.032	173	1	.07	170	.01	6	.37	.01	.07	<2	<5	1	1
L6500E 4475N	9	9	87	650	.3	<1	1	4389	5.38	14	<5	<2	42	12	1.4	<2	7	5	.15	.038	339	1	.05	164	.01	3	.57	.01	.09	<2	<5	<1	1
L6500E 4450N	11	4	9	93	<.3	1	<1	569	3.51	5	<5	<2	8	3	<.2	2	5	10	.01	.039	153	3	.04	50	.01	<3	.64	.01	.05	<2	<5	<1	<1
L6500E 4425N	15	4	30	202	<.3	<1	<1	3006	5.64	3	<5	<2	41	7	<.2	<2	2	3	.10	.033	250	2	.05	102	.01	<3	.25	<.01	.05	<2	<5	<1	<1
STANDARD C2/AU-S	21	61	39	153	7.2	74	35	1216	4.09	43	19	8	36	56	21.6	20	21	75	.55	.107	43	66	1.01	205	.09	28	2.15	.07	.16	12	<5	1	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6500E 4400N	10	5	15	158	<.3	2	2	2462	5.57	5	<5	<2	23	5	<.2	<2	<2	3	.07	.023	152	1	.04	65	.01	3	.21	<.01	.06	<2	<5	1	2
L6550E 4675N	13	4	27	186	<.3	1	<1	544	7.17	5	<5	<2	13	3	<.2	<2	<2	2	.04	.030	151	1	.03	29	<.01	<3	.30	<.01	.03	<2	<5	<1	3
L6550E 4650N	9	5	25	272	<.3	2	1	1302	5.21	10	<5	<2	11	5	.2	<2	<2	6	.07	.036	162	2	.07	54	.01	<3	.30	.01	.04	<2	<5	<1	1
L6550E 4625N	9	7	73	375	<.3	3	1	1543	5.17	9	<5	<2	8	6	.9	<2	<2	3	.25	.035	112	1	.07	100	<.01	<3	.34	<.01	.05	<2	<5	<1	2
L6550E 4600N	14	13	57	565	<.3	2	1	1485	6.51	12	<5	<2	12	3	1.0	<2	3	5	.07	.029	138	2	.05	89	.01	<3	.26	<.01	.04	<2	<5	<1	2
L6550E 4575N	20	10	98	405	<.3	2	1	2052	5.31	9	<5	<2	17	10	.7	<2	3	1	.21	.028	164	<1	.05	114	<.01	<3	.34	.01	.09	<2	<5	<1	3
L6550E 4550N	15	4	41	411	<.3	1	2	3624	6.52	4	<5	<2	16	12	.7	<2	<2	1	.11	.023	119	<1	.06	91	<.01	4	.23	<.01	.11	<2	<5	1	<1
L6550E 4500N	12	4	32	370	<.3	3	2	1822	5.77	<2	<5	<2	17	4	.3	<2	3	14	.02	.024	308	8	.08	55	.01	<3	.88	<.01	.07	<2	<5	<1	1
L6550E 4425N	9	3	23	247	<.3	1	1	2486	4.96	<2	<5	<2	16	6	.5	<2	<2	<1	.19	.020	141	<1	.05	74	<.01	<3	.20	<.01	.07	<2	<5	<1	1
L6550E 4400N	19	3	48	218	<.3	1	1	3093	5.11	7	<5	<2	18	7	.2	<2	<2	1	.21	.015	109	<1	.05	66	<.01	3	.21	<.01	.08	<2	<5	<1	3
L6600E 5600N	11	28	1547	2095	.4	8	7	2731	3.36	7	<5	<2	13	40	10.8	<2	<2	8	.13	.071	51	5	.09	186	.01	5	.59	.01	.20	<2	<5	<1	4
L6600E 5575N	5	16	273	449	<.3	12	4	920	2.57	4	<5	<2	4	10	1.2	<2	<2	36	.12	.040	70	22	.24	82	.04	3	.99	<.01	.11	<2	<5	<1	2
L6600E 5550N	5	26	1363	2522	1.1	10	24	4950	5.16	17	<5	<2	7	35	4.9	<2	<2	58	.56	.105	37	10	.85	273	.09	<3	1.83	.01	.57	<2	<5	<1	1
L6600E 4675N	6	10	19	217	<.3	8	3	1033	4.50	3	<5	<2	8	6	.3	<2	<2	19	.09	.032	98	14	.18	59	.02	<3	.69	.01	.04	<2	<5	<1	2
L6600E 4650N	10	6	57	393	<.3	2	2	1579	5.02	5	<5	<2	13	8	.8	<2	<2	1	.18	.031	143	<1	.08	102	<.01	<3	.26	.01	.04	<2	<5	<1	1
L6600E 4625N	8	9	69	398	<.3	2	1	1678	6.03	9	<5	<2	9	4	.5	<2	<2	4	.15	.032	110	2	.07	108	<.01	<3	.31	<.01	.04	<2	<5	<1	1
L6600E 4600N	15	12	41	446	.3	3	3	3236	8.00	<2	5	<2	20	4	1.1	<2	7	6	.09	.035	162	3	.12	117	.01	<3	.36	.01	.05	<2	<5	<1	1
L6600E 4575N	26	14	88	582	<.3	2	2	2713	5.97	12	<5	<2	26	11	1.6	3	4	<1	.08	.028	216	<1	.03	107	<.01	3	.28	<.01	.11	<2	<5	<1	1
L6600E 4550N	2	1	13	38	<.3	<1	1	2414	4.13	<2	<5	<2	6	59	<.2	<2	<2	<1	2.13	.018	59	<1	.16	43	<.01	<3	.19	<.01	.10	<2	<5	<1	1
L6600E 4525N	61	2	32	147	<.3	<1	<1	189	4.55	11	<5	<2	13	22	<.2	<2	<2	<1	.09	.020	85	<1	.02	100	<.01	<3	.07	.01	.30	<2	<5	<1	1
L6600E 4500N	18	4	21	232	<.3	<1	1	1428	4.72	7	<5	<2	18	9	.4	<2	2	4	.15	.028	156	2	.04	96	<.01	<3	.46	<.01	.14	<2	<5	<1	<1
RE L6600E 4500N	19	5	24	242	<.3	1	1	1514	4.86	6	<5	<2	18	9	.2	<2	<2	4	16	.029	163	2	.04	110	<.01	<3	.49	<.01	.14	<2	<5	<1	<1
L6600E 4400N	15	4	33	254	<.3	3	2	2026	5.38	25	<5	<2	21	11	<.2	<2	2	8	.28	.023	177	5	.10	111	.01	<3	.54	.01	.11	<2	<5	<1	<1
6650E 5600N	4	17	494	708	<.3	10	4	1093	2.87	8	<5	<2	4	10	1.3	<2	<2	24	.13	.055	37	15	.20	84	.03	<3	.73	.01	.13	<2	<5	<1	4
6650E 5575N	18	52	1592	2081	.8	9	6	3955	3.23	2	<5	<2	17	16	9.1	2	<2	17	.13	.055	128	10	.15	150	.03	<3	.56	.01	.18	<2	<5	1	1
6650E 5550N	4	26	455	1534	.3	14	6	1860	3.05	3	<5	<2	7	12	3.2	<2	5	30	.18	.045	54	19	.35	144	.04	<3	1.02	.01	.16	<2	<5	<1	1
6650E 5525N	3	25	571	1058	<.3	11	6	2263	2.92	3	<5	<2	4	12	2.8	<2	<2	31	.15	.049	72	18	.27	115	.04	<3	.96	.01	.16	<2	<5	<1	1
6650E 5500N	5	50	1181	2181	.7	15	8	3237	4.02	17	<5	<2	6	16	6.9	<2	<2	24	.31	.059	107	15	.31	230	.03	<3	1.13	.01	.19	<2	<5	1	1
6650E 5475N	4	32	511	1079	.4	6	3	2291	2.50	12	<5	<2	6	12	4.3	<2	<2	7	.40	.037	58	5	.11	140	.01	<3	.57	.01	.17	<2	<5	<1	1
6650E 5450N	5	24	772	1040	<.3	6	4	2870	3.04	13	<5	<2	2	11	2.8	<2	<2	16	.27	.058	68	10	.17	190	.02	3	.86	.01	.16	<2	<5	<1	1
L6650E 4675N	11	7	42	281	<.3	1	2	1376	5.22	7	<5	<2	10	4	.4	<2	3	2	.18	.026	130	1	.07	90	<.01	4	.25	.01	.04	<2	<5	<1	1
L6650E 4650N	12	10	165	819	<.3	<1	1	2073	5.65	22	<5	<2	17	7	2.9	<2	<2	1	.18	.028	142	<1	.07	121	<.01	<3	.24	<.01	.05	<2	<5	<1	2
L6650E 4625N	13	10	30	276	<.3	2	2	1262	5.78	13	<5	<2	14	4	<.2	<2	<2	3	.11	.028	148	1	.06	57	<.01	<3	.25	.01	.04	<2	<5	1	2
L6650E 4600N	12	20	57	700	.4	3	1	1860	6.68	8	<5	<2	9	8	1.6	<2	5	5	.25	.029	113	2	.10	101	<.01	<3	.34	<.01	.07	<2	<5	1	5
L6650E 4575N	14	10	40	340	<.3	1	2	3263	5.31	2	<5	<2	5	13	.9	<2	<2	1	.47	.031	70	<1	.11	273	<.01	<3	.52	.01	.09	<2	<5	<1	1
STANDARD C2/AU-S	20	55	35	142	6.9	71	34	1104	3.80	36	16	8	35	51	20.3	18	17	69	.52	.103	40	59	.93	194	.07	27	1.97	.06	.15	11	<5	3	54

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6650E 4550N	11	12	60	269	<.3	1	<1	2408	5.60	13	<5	<2	29	9	.3	<2	8	1	.10	.027	231	2	.04	69	<.01	4	.16	.01	.09	<2	<5	<1	2
L6650E 4475N	18	3	20	71	<.3	<1	<1	1247	4.80	4	<5	<2	22	10	<.2	<2	3	4	.15	.024	176	3	.07	83	.01	3	.37	.01	.14	<2	<5	<1	1
L6650E 4450N	11	10	38	147	<.3	6	3	1918	5.05	15	<5	<2	23	7	<.2	<2	6	12	.07	.027	133	9	.18	82	.02	<3	.62	.01	.10	<2	<5	<1	2
L6700E 5600N	4	24	770	1359	.5	6	5	2127	2.98	11	<5	<2	9	14	5.5	2	<2	10	.12	.047	65	7	.11	177	.02	4	.49	.01	.19	<2	<5	<1	2
L6700E 5550N	9	15	369	791	<.3	9	3	1484	3.34	9	<5	<2	6	15	2.3	2	2	26	.17	.059	76	18	.21	172	.03	<3	.85	.01	.18	<2	<5	<1	1
L6700E 5525N	5	22	507	1499	.3	10	5	2403	3.21	6	<5	<2	4	17	4.3	2	4	26	.26	.058	52	16	.33	202	.04	<3	1.15	.02	.23	<2	<5	<1	1
L6700E 5500N	4	40	578	2048	.4	11	5	3209	4.20	10	<5	<2	8	13	6.2	<2	2	28	.19	.059	73	20	.38	171	.06	<3	1.32	.02	.22	<2	<5	<1	1
L6700E 5475N	6	21	512	990	.3	5	2	2414	2.94	9	6	<2	8	11	3.2	<2	5	11	.29	.043	64	8	.20	214	.02	<3	.89	.01	.23	<2	<5	1	1
L6700E 5450N	4	11	86	207	.4	3	3	2208	3.63	8	<5	<2	8	6	.5	<2	2	6	.24	.025	39	4	.09	115	.01	<3	.35	.01	.11	<2	<5	<1	1
L6700E 5425N	4	21	183	493	<.3	2	2	2115	3.28	12	<5	<2	13	7	1.6	<2	2	6	.22	.021	60	4	.09	90	.01	<3	.35	.01	.14	<2	<5	<1	<1
L6700E 5400N	3	19	254	534	.4	5	2	1504	2.98	11	<5	<2	5	12	1.1	<2	8	12	.39	.042	64	9	.15	138	.02	4	.64	.01	.15	<2	<5	<1	2
L6700E 4675N	10	8	69	321	<.3	<1	1	2506	4.93	15	<5	<2	15	7	1.4	<2	5	<1	.32	.027	113	<1	.06	92	<.01	<3	.19	.01	.05	<2	<5	<1	1
L6700E 4650N	9	8	134	640	<.3	1	<1	2116	5.16	16	<5	<2	13	11	2.1	<2	<2	1	.65	.026	106	1	.09	81	<.01	<3	.25	.01	.05	<2	<5	<1	2
L6700E 4625N	7	8	23	222	<.3	2	1	1163	4.34	5	<5	<2	24	7	<.2	<2	4	4	.23	.024	313	3	.09	89	.01	<3	.40	.01	.05	<2	<5	<1	1
L6700E 4600N	16	21	160	822	.4	<1	<1	2743	7.45	26	5	<2	15	8	2.9	<2	8	2	.24	.024	132	1	.09	115	<.01	<3	.32	.01	.07	<2	<5	<1	3
RE L6700E 4600N	17	21	166	839	.5	<1	1	2784	7.58	23	5	<2	15	8	2.6	<2	7	2	.24	.025	131	1	.09	117	<.01	<3	.32	.01	.07	<2	<5	<1	3
L6700E 4575N	16	11	125	427	<.3	<1	<1	781	3.61	18	<5	<2	22	5	1.4	<2	3	3	.12	.028	203	1	.04	80	<.01	<3	.28	.01	.06	<2	<5	<1	2
L6700E 4500N	18	7	40	352	<.3	<1	<1	2062	4.22	13	7	<2	19	36	1.3	<2	3	<1	1.77	.023	137	<1	.07	75	<.01	<3	.29	.01	.15	<2	<5	<1	2
L6700E 4475N	14	6	32	268	<.3	<1	<1	1796	4.55	8	<5	<2	21	15	.5	<2	<2	1	.35	.026	181	1	.07	96	<.01	<3	.34	.01	.13	<2	<5	<1	1
L6700E 4425N	11	4	19	157	<.3	<1	<1	1667	4.55	6	<5	<2	16	14	<.2	<2	3	2	.32	.029	148	1	.08	79	<.01	<3	.33	.01	.14	<2	<5	<1	1
L6700E 4400N	17	5	30	214	<.3	<1	<1	2899	6.72	10	7	<2	20	10	<.2	<2	7	3	.15	.026	150	1	.09	89	<.01	<3	.32	.01	.11	<2	<5	<1	<1
L6750E 4650N	30	19	35	275	<.3	<1	<1	2746	9.64	32	<5	<2	20	8	<.2	<2	7	2	.37	.041	305	1	.11	77	<.01	<3	.35	.01	.09	<2	<5	<1	3
L6750E 4625N	17	15	64	247	.5	<1	<1	2181	6.25	30	<5	<2	14	12	.6	<2	<2	2	.47	.026	129	1	.10	73	<.01	<3	.17	<.01	.07	<2	<5	<1	4
L6750E 4600N	18	12	47	216	<.3	17	1	2241	6.75	20	<5	<2	10	7	.2	<2	4	6	.17	.024	113	25	.11	88	.01	<3	.30	.01	.05	<2	<5	<1	2
L6750E 4575N	14	13	40	271	.7	<1	<1	4388	9.28	25	6	<2	14	6	.7	<2	4	2	.18	.030	102	1	.09	175	<.01	<3	.32	.01	.07	<2	<5	1	4
L6750E 4550N	13	14	34	241	<.3	1	<1	922	5.05	13	<5	<2	6	10	<.2	<2	2	7	.47	.049	100	5	.10	68	.01	<3	.45	.01	.04	<2	<5	<1	2
L6750E 4525N	13	19	30	456	.3	2	<1	1493	5.43	18	<5	<2	6	9	.9	<2	<2	10	.26	.035	82	4	.11	61	.01	<3	.41	.02	.04	<2	<5	<1	<1
L6750E 4500N	8	22	24	220	.3	4	2	2465	6.18	14	7	<2	3	9	.4	<2	<2	11	.37	.046	74	6	.15	97	.01	<3	.54	.01	.04	<2	<5	<1	1
L6750E 4475N	14	14	53	271	<.3	1	<1	1147	5.51	18	<5	<2	13	7	.5	<2	<2	9	.16	.024	102	4	.10	75	.01	<3	.52	.01	.06	<2	<5	<1	1
L6750E 4450N	8	18	26	150	<.3	2	2	2504	5.88	10	<5	<2	4	6	<.2	<2	<2	10	.33	.051	68	4	.12	75	.01	<3	.47	.01	.05	<2	<5	<1	2
L6750E 4425N	5	7	38	119	.3	1	1	312	1.90	8	<5	<2	<2	11	.2	<2	3	12	.20	.025	38	3	.06	48	.02	<3	.37	.04	.03	<2	<5	<1	1
L6750E 4400N	19	15	47	242	<.3	2	<1	1674	5.97	21	6	<2	10	6	<.2	<2	<2	9	.07	.038	133	4	.08	75	.01	<3	.43	.01	.05	<2	<5	<1	1
L6800E 4600N	13	19	18	393	<.3	5	2	2059	5.91	19	<5	<2	9	8	1.0	<2	<2	9	.21	.030	88	4	.12	61	.01	<3	.31	.01	.04	<2	<5	<1	2
L6800E 4550N	11	22	23	264	.3	2	1	2116	5.47	15	8	<2	4	12	.5	<2	<2	8	.60	.043	78	6	.16	61	.01	<3	.39	.01	.04	<2	<5	<1	2
L6800E 4525N	6	19	26	298	.4	4	2	2587	6.16	14	7	<2	3	12	.9	<2	3	9	.52	.049	69	6	.16	86	.01	<3	.44	.01	.03	<2	<5	<1	1
STANDARD C2/AU-S	20	57	40	147	7.6	72	34	1160	3.96	39	20	8	35	53	20.8	20	16	72	.53	.105	42	67	.98	197	.08	28	2.07	.07	.15	13	<5	3	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L6800E 4500N	7	13	38	155	<.3	3	2	3310	7.26	8	<5	<2	2	12	.9	<2	<2	8	.64	.054	54	5	.18	100	.01	<3	.44	.01	.04	<2	<5	1	2
L6800E 4475N	9	23	62	328	<.3	5	4	2004	5.37	11	<5	<2	5	8	.5	<2	<2	11	.24	.044	85	6	.13	79	.01	<3	.61	.01	.03	<2	<5	<1	1
L6800E 4450N	43	17	241	375	.4	2	<1	347	6.04	41	<5	<2	18	9	.3	3	3	6	.08	.031	124	2	.03	55	<.01	4	.15	<.01	.10	<2	<5	<1	1
L6800E 4425N	8	16	34	134	<.3	5	4	1624	5.61	13	<5	<2	7	6	<.2	<2	3	13	.14	.041	89	8	.13	70	.02	<3	.51	.01	.04	<2	<5	1	<1
L6800E 4400N	6	14	22	154	<.3	5	3	2361	5.26	8	<5	<2	2	10	.3	<2	<2	7	.71	.052	48	4	.13	52	.01	<3	.42	.01	.04	<2	<5	<1	<1
L6850E 4650N	11	15	22	404	<.3	4	3	2288	6.33	12	<5	<2	6	8	1.6	<2	<2	12	.27	.034	98	6	.16	84	.02	3	.43	.01	.04	<2	<5	<1	2
L6850E 4625N	9	17	14	70	<.3	5	5	2191	5.04	12	<5	<2	6	7	<.2	<2	<2	10	.33	.030	62	5	.17	64	.01	3	.30	.01	.02	<2	<5	<1	1
L6850E 4600N	16	28	25	72	<.3	6	5	2806	6.61	14	<5	<2	7	7	<.2	<2	<2	9	.22	.027	68	6	.16	72	.01	<3	.35	.01	.03	<2	<5	<1	1
L6850E 4575N	6	35	16	294	<.3	7	4	2735	6.49	13	<5	<2	5	8	.7	<2	<2	10	.37	.037	77	8	.18	92	.01	<3	.42	.01	.04	<2	<5	1	1
L6850E 4550N	6	12	19	95	<.3	7	4	2281	5.71	8	<5	<2	2	11	.4	<2	2	12	.62	.052	55	9	.20	81	.01	<3	.53	<.01	.04	<2	<5	1	2
L6850E 4525N	5	24	19	94	<.3	4	3	2019	5.47	9	<5	<2	3	9	<.2	<2	<2	14	.39	.051	55	6	.17	59	.02	<3	.72	.01	.03	<2	<5	<1	1
L6850E 4500N	7	28	29	187	<.3	7	6	3245	6.17	19	<5	<2	9	7	<.2	<2	<2	9	.15	.030	69	5	.14	120	.01	<3	.35	<.01	.04	<2	<5	<1	2
L6850E 4475N	9	20	54	168	<.3	6	4	2086	5.51	10	<5	<2	7	7	.2	<2	<2	12	.19	.038	83	6	.15	70	.02	<3	.46	.01	.04	<2	<5	<1	2
L6850E 4450N	12	27	64	385	<.3	6	5	3055	6.23	20	<5	<2	10	5	1.0	<2	2	9	.18	.037	93	5	.13	70	.01	3	.35	.01	.04	<2	<5	<1	2
L6850E 4425N	15	31	92	403	<.3	8	4	3141	6.51	22	<5	<2	9	5	1.0	<2	3	8	.16	.036	97	5	.13	92	.01	<3	.38	<.01	.04	<2	<5	1	2
L6900E 4675N	13	14	12	43	<.3	3	4	2472	5.39	15	<5	<2	5	10	<.2	<2	<2	5	1.94	.031	37	1	.16	36	.01	3	.28	.01	.04	<2	<5	1	2
L6900E 4650N	9	16	15	54	<.3	4	4	3073	6.12	9	<5	<2	5	8	<.2	<2	2	7	.64	.031	63	4	.25	79	.01	<3	.31	<.01	.04	<2	<5	<1	<1
L6900E 4625N	7	14	22	58	<.3	5	3	2763	6.46	10	<5	<2	3	10	<.2	<2	<2	11	.45	.042	63	7	.20	83	.01	<3	.44	.01	.04	<2	<5	<1	1
L6900E 4600N	7	18	16	50	<.3	6	3	2237	5.71	10	<5	<2	3	8	<.2	<2	<2	12	.39	.045	64	8	.18	81	.01	<3	.51	.01	.03	<2	<5	1	2
RE L6900E 4600N	7	16	18	50	<.3	6	3	2299	5.90	10	<5	<2	4	9	<.2	<2	3	12	.41	.047	66	8	.19	81	.01	<3	.52	.01	.04	<2	<5	<1	1
L6900E 4575N	5	30	19	92	<.3	7	4	1845	5.91	10	<5	<2	4	10	<.2	<2	<2	16	.40	.046	62	10	.21	61	.02	<3	.61	.02	.03	<2	<5	<1	2
L6900E 4550N	9	28	12	74	<.3	8	5	2555	5.70	11	<5	<2	6	8	<.2	<2	6	11	.37	.050	65	6	.16	63	.01	<3	.44	.01	.04	<2	<5	<1	1
L6900E 4525N	8	15	14	68	<.3	5	4	3070	6.17	8	<5	<2	4	9	<.2	<2	<2	8	.41	.041	66	5	.15	61	.01	<3	.33	<.01	.04	<2	<5	1	2
L6900E 4475N	7	14	16	102	<.3	6	3	2476	4.75	9	<5	<2	4	10	<.2	<2	<2	8	.94	.034	55	6	.31	57	.01	<3	.35	.01	.04	<2	<5	<1	1
L6900E 4425N	10	15	38	89	.6	9	3	2440	5.30	26	<5	<2	3	20	.2	<2	<2	4	4.45	.023	30	3	.73	27	<.01	<3	.14	<.01	.03	<2	<5	1	1
L6950E 4650N	8	19	36	66	.3	5	4	3285	6.48	10	<5	<2	5	7	<.2	<2	<2	6	.35	.047	72	3	.15	382	<.01	<3	.43	.01	.04	<2	<5	1	2
L6950E 4625N	11	14	20	62	<.3	4	2	4319	8.63	15	6	<2	8	7	<.2	<2	3	6	.25	.040	70	3	.18	122	.01	<3	.40	<.01	.04	<2	<5	<1	1
L6950E 4600N	13	130	35	192	2.6	8	4	3921	10.25	26	<5	<2	5	9	.2	<2	6	13	.36	.050	57	9	.26	88	.02	<3	.53	.01	.04	<2	<5	<1	2
L7000E 4675N	<1	9	11	91	<.3	5	2	3616	6.94	7	<5	<2	3	11	<.2	<2	4	8	1.11	.045	43	5	.27	210	.01	<3	.36	.01	.04	<2	<5	<1	1
L7000E 4650N	1	20	26	86	<.3	8	3	3188	7.19	6	<5	<2	4	9	.2	2	<2	16	.40	.044	58	11	.20	207	.02	<3	.58	.01	.04	<2	<5	<1	2
L7000E 4625N	6	11	35	86	<.3	7	7	3877	5.34	7	<5	<2	2	10	.3	2	<2	13	.61	.064	56	8	.18	1012	.01	3	.58	.01	.06	<2	<5	<1	<1
L7000E 4600N	5	12	13	62	<.3	9	4	2763	6.13	5	<5	<2	2	11	<.2	<2	<2	17	.56	.052	45	12	.25	114	.02	<3	.66	<.01	.04	<2	<5	<1	3
STANDARD C2/AU-S	20	55	42	143	7.7	70	33	1143	3.89	38	21	8	34	52	20.0	19	17	70	.52	.102	40	63	.97	197	.08	27	2.01	.06	.14	12	<5	2	46

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

[redacted] ANALYTICAL LABORATORIES

GEOCHEMICAL ANALYSIS CERTIFICATE

Oro Bravo Resources Ltd. File # 96-4428 Page 1

202 - 4746 E. Hastings St, Burnaby BC V5C 2K7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L4750E 4675N	11	6	19	21	<.3	1	1	168	3.98	9	<5	<2	4	18	<.2	<2	<2	1	.01	.031	43	4	.02	144	<.01	<3	.23	.01	.29	<2	<5	1	1
L4750E 4650N	16	10	48	58	<.3	2	2	371	10.13	44	<5	<2	4	14	<.2	<2	<2	6	.04	.075	36	<1	.03	155	.01	<3	.65	.01	.36	<2	<5	<1	1
L4750E 4625N	13	8	47	28	.3	2	2	162	6.20	27	<5	<2	3	14	<.2	<2	<2	9	.02	.050	27	1	.03	125	.01	<3	.51	.01	.31	<2	<5	<1	1
L4750E 4600N	11	6	23	43	<.3	1	1	243	4.83	10	<5	<2	10	6	<.2	<2	<2	5	.01	.027	38	2	.03	52	.01	<3	.44	.01	.13	<2	<5	1	1
L4750E 4575N	12	4	16	29	<.3	1	1	216	4.06	9	<5	<2	8	4	<.2	<2	<2	3	.01	.023	57	5	.02	55	.01	<3	.44	<.01	.12	<2	<5	1	1
L4750E 4550N	11	7	21	39	<.3	2	1	182	3.19	10	<5	<2	3	5	<.2	<2	<2	10	.02	.035	46	2	.09	86	.02	<3	.74	.01	.12	<2	<5	1	<1
L4750E 4525N	11	11	23	80	<.3	6	3	348	3.88	19	<5	<2	13	5	<.2	<2	<2	13	.04	.026	88	5	.22	46	.03	3	.66	<.01	.10	<2	<5	<1	5
L4750E 4475N	10	7	18	91	<.3	3	3	548	3.29	9	<5	<2	5	6	<.2	2	<2	21	.10	.029	46	9	.17	85	.02	<3	1.03	.01	.08	<2	<5	<1	1
L4750E 4425N	8	9	15	151	<.3	4	4	2488	3.59	8	<5	<2	3	10	.5	<2	<2	16	.18	.043	79	4	.12	176	.02	<3	.77	.01	.12	<2	<5	1	1
L5650E 5225N	4	10	46	94	<.3	7	4	637	3.51	5	<5	<2	2	9	.5	<2	<2	31	.08	.035	36	18	.21	94	.05	3	.99	.01	.12	<2	<5	<1	2
L5650E 5200N	4	11	41	125	<.3	6	4	2327	3.39	4	<5	<2	<2	18	.7	<2	<2	29	.24	.057	64	16	.22	194	.05	<3	1.12	.01	.18	<2	<5	<1	3
L5650E 5075N	8	8	78	273	<.3	3	5	2525	3.84	12	<5	<2	6	9	.7	<2	2	7	.09	.039	91	2	.15	187	.01	<3	.97	.01	.16	<2	<5	1	2
L5650E 5050N	6	13	64	265	<.3	4	3	717	2.55	13	<5	<2	<2	8	.6	2	<2	13	.07	.054	47	<1	.18	95	.02	<3	.94	.02	.12	<2	<5	1	2
L5650E 5025N	8	21	78	1219	<.3	7	6	3063	5.01	18	7	<2	3	19	.8	<2	<2	17	.23	.054	69	12	.32	154	.04	<3	1.20	.01	.18	<2	<5	1	3
L5650E 5000N	13	30	99	2328	<.3	18	11	5117	5.68	27	5	<2	13	18	2.7	<2	<2	15	.22	.071	124	8	.35	199	.05	<3	1.16	.01	.22	<2	<5	1	2
RE L5650E 5000N	12	28	97	2222	<.3	16	11	4901	5.40	26	5	<2	13	17	2.7	2	<2	15	.21	.069	120	9	.34	189	.05	<3	1.12	.01	.20	2	<5	1	2
L5650E 4675N	5	4	9	34	<.3	1	1	243	2.05	7	<5	<2	<2	5	<.2	<2	<2	17	.03	.023	27	<1	.04	42	.02	<3	.54	.02	.06	<2	<5	<1	1
L5650E 4650N	6	6	17	46	<.3	3	2	194	2.78	29	<5	<2	3	4	<.2	<2	<2	22	.02	.025	41	4	.05	62	.03	<3	.75	.01	.07	<2	<5	<1	1
L5650E 4625N	13	2	13	14	<.3	<1	1	58	1.74	6	<5	<2	9	2	<.2	<2	<2	3	<.01	.018	98	<1	.01	31	.01	<3	.27	<.01	.07	<2	<5	<1	1
L5650E 4600N	10	4	17	16	<.3	1	1	86	1.90	6	<5	<2	16	2	<.2	<2	<2	7	.01	.022	155	2	.05	31	.01	<3	.45	<.01	.07	<2	<5	<1	1
L5650E 4575N	7	4	34	359	<.3	2	1	222	3.94	8	<5	<2	13	3	<.2	<2	<2	7	.01	.027	114	3	.02	35	<.01	<3	.78	.01	.07	<2	<5	<1	1
L5650E 4550N	9	5	19	208	<.3	3	2	462	3.18	10	<5	<2	13	3	.3	<2	<2	22	.03	.020	137	11	.14	105	.02	<3	1.21	<.01	.08	<2	<5	1	1
L5650E 4525N	11	7	15	129	<.3	4	4	2864	8.77	6	<5	<2	2	6	.3	<2	<2	24	.05	.046	56	6	.14	96	.03	<3	.97	.01	.07	<2	<5	1	1
L5650E 4425N	9	14	92	1450	.3	5	5	1481	4.55	6	<5	<2	<2	22	5.4	<2	<2	29	.33	.062	81	18	.20	312	.03	<3	1.70	.01	.12	<2	<5	1	1
L5700E 4675N	17	5	66	72	<.3	1	1	220	4.71	14	<5	<2	6	13	<.2	<2	2	5	.01	.033	56	<1	.04	129	.01	<3	.62	.01	.18	<2	<5	1	<1
L5700E 4650N	5	3	14	61	<.3	<1	1	122	3.53	5	<5	<2	7	5	<.2	<2	<2	1	.05	.019	75	2	.01	81	<.01	<3	.23	<.01	.06	<2	<5	<1	1
L5700E 4625N	12	4	53	52	<.3	<1	1	578	4.49	9	<5	<2	6	13	<.2	<2	<2	2	.04	.029	49	<1	.03	136	<.01	<3	.51	.01	.20	<2	<5	<1	2
L5700E 4600N	11	4	31	48	<.3	1	1	188	4.22	11	<5	<2	10	6	<.2	<2	<2	3	.01	.026	83	3	.02	72	.01	<3	.43	<.01	.13	<2	<5	<1	1
L5700E 4575N	5	4	13	23	.5	1	1	108	2.56	5	<5	<2	<2	4	<.2	<2	<2	17	.03	.031	48	2	.03	45	.02	<3	.44	.01	.06	<2	<5	<1	1
L5700E 4550N	26	6	16	323	<.3	1	2	640	4.42	9	<5	<2	16	2	.3	<2	<2	3	.01	.029	165	2	.03	38	<.01	<3	.39	<.01	.08	<2	<5	<1	1
L5700E 4525N	8	8	17	129	<.3	6	4	595	4.21	11	<5	<2	12	6	.2	<2	<2	28	.07	.023	65	13	.23	93	.04	<3	1.18	.01	.09	<2	<5	<1	1
L5700E 4500N	53	82	35	288	<.3	6	8	3986	7.67	11	<5	<2	11	15	.5	<2	<2	22	.33	.062	84	17	.30	288	.04	<3	1.38	.01	.12	<2	<5	1	1
L5700E 4475N	21	10	23	202	<.3	4	4	2415	6.49	16	<5	<2	9	9	.4	<2	<2	24	.17	.053	109	8	.14	143	.02	<3	1.00	<.01	.15	<2	<5	1	1
L5700E 4400N	4	6	7	73	<.3	2	2	1099	3.46	2	<5	<2	3	5	.2	<2	2	14	.03	.029	127	<1	.06	72	.02	<3	.55	.01	.07	<2	<5	1	1
L5700E 4375N	8	7	18	81	<.3	3	2	296	3.45	15	<5	<2	10	5	<.2	<2	<2	19	.05	.020	59	7	.12	89	.03	<3	.96	<.01	.13	<2	<5	<1	1
L5700E 4350N	3	2	4	51	<.3	1	1	1050	4.77	2	<5	<2	8	2	<.2	<2	<2	4	.03	.033	77	4	.04	42	<.01	3	.37	<.01	.08	<2	<5	<1	1
STANDARD C2/AU-S	20	56	41	128	7.2	69	34	1189	3.85	41	25	7	34	50	20.0	21	15	69	.53	.103	40	63	.98	188	.08	26	2.01	.06	.15	12	<5	4	45

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 11 1996 DATE REPORT MAILED: Sep 24/96 SIGNED BY [signature] D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L5950E 5250N	13	7	97	433	<.3	4	11	5596	6.11	38	5	<2	26	14	.9	<2	<2	3	.11	.029	103	12	.18	279	.01	<3	1.11	<.01	.18	<2	<5	1	1
L5950E 5225N	8	9	95	349	<.3	3	5	1965	3.90	16	<5	<2	23	10	.6	<2	2	4	.13	.031	103	6	.16	224	.01	<3	1.06	<.01	.16	<2	<5	<1	1
L5950E 5200N	7	16	107	308	<.3	7	4	876	3.23	9	<5	<2	2	10	.5	<2	2	17	.08	.052	64	10	.21	127	.02	<3	1.03	.01	.12	<2	<5	1	<1
L5950E 5175N	9	14	122	375	<.3	6	4	1067	3.98	11	<5	<2	5	14	.4	<2	<2	10	.18	.053	105	15	.17	328	.01	<3	1.10	.01	.14	<2	<5	<1	5
L5950E 5150N	9	19	86	398	<.3	9	4	766	3.80	9	<5	<2	2	11	.4	<2	<2	18	.12	.050	50	13	.31	145	.03	<3	1.23	.01	.18	<2	<5	<1	<1
L5950E 5125N	13	43	184	966	.3	5	4	1668	4.27	11	<5	<2	8	14	3.0	<2	2	5	.17	.047	93	8	.21	275	.01	<3	1.28	.01	.17	<2	<5	<1	<1
L5950E 5100N	10	26	100	470	<.3	8	5	1113	4.07	9	<5	<2	7	13	.3	<2	<2	18	.15	.040	98	14	.40	244	.05	<3	1.47	.01	.24	<2	<5	1	<1
L5950E 5075N	14	38	207	519	.3	4	2	769	7.16	21	<5	<2	25	17	<.2	<2	<2	8	.11	.038	86	20	.72	506	.11	4	1.58	.03	.68	<2	<5	1	1
L5950E 5050N	8	12	100	836	<.3	4	2	1118	4.88	12	<5	<2	6	10	1.4	<2	<2	14	.08	.046	67	10	.82	233	.11	<3	1.86	.01	.33	<2	<5	1	1
L5950E 5025N	15	11	1395	331	2.7	2	1	318	4.25	46	<5	<2	6	19	.2	5	<2	15	.04	.037	62	16	.20	256	.03	<3	.76	.03	.46	<2	<5	<1	5
L5950E 5000N	13	23	206	2004	<.3	11	4	3125	6.28	31	<5	<2	14	12	6.9	<2	<2	23	.10	.037	161	19	.71	163	.07	<3	2.23	.01	.22	2	<5	<1	1
RE L5950E 5000N	12	23	216	2021	<.3	11	5	3206	6.36	28	<5	<2	14	13	5.1	<2	<2	24	.10	.038	164	19	.73	163	.07	<3	2.29	.01	.23	3	<5	<1	1
L5950E 4975N	22	34	422	4056	<.3	5	2	5123	11.85	46	<5	<2	22	16	18.2	<2	<2	11	.22	.038	251	3	1.55	253	.13	<3	2.96	.01	.71	<2	<5	<1	4
L5950E 4950N	18	23	174	952	<.3	7	3	1020	5.65	29	<5	<2	17	14	2.7	<2	3	21	.10	.036	117	19	.66	255	.11	<3	1.71	.01	.46	<2	<5	1	3
L5950E 4925N	9	7	65	263	<.3	4	1	2268	5.13	67	<5	<2	7	10	<.2	<2	<2	10	.37	.029	85	14	.56	277	.13	<3	2.32	.01	.57	<2	<5	<1	1
L5950E 4900N	17	4	43	2928	.6	5	7	8905	11.29	5133	<5	<2	5	15	23.2	6	<2	3	.46	.074	116	10	.12	284	<.01	<3	1.03	<.01	.11	<2	<5	1	30
STANDARD C2/AU-S	19	55	42	125	6.9	70	34	1168	3.85	37	23	8	33	50	19.6	19	15	68	.52	.100	39	62	1.00	188	.08	26	2.01	.06	.15	11	<5	1	47

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Aurum Geological Consultants Inc. File # 96-5737 Page 1

P.O. Box 4367, Whitehorse YT Y1A 3T5

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
128576	10	3	50	4	1.5	2	1	42	2.11	99	<5	<2	7	15	<.2	<2	2	1	.02	.017	34	6	.02	79	<.01	<3	.18	.01	.38	2	12
128901	7	20	221	1386	.4	3	1	401	2.23	14	<5	<2	6	15	7.6	<2	2	3	.04	.045	46	5	.13	265	.02	<3	.60	.02	.34	<2	2
128902	5	10	7	365	<.3	1	2	1114	5.48	2	<5	<2	11	17	.3	<2	<2	2	.53	.036	86	4	1.15	234	.09	<3	1.94	.07	.50	<2	<1
128903	4	6	3	325	<.3	2	2	1535	4.80	<2	<5	<2	11	15	.7	<2	<2	2	.64	.037	108	4	.91	164	.07	<3	1.62	.07	.33	<2	<1
128904	5	34	645	851	.5	2	1	225	4.24	15	<5	<2	9	46	1.3	<2	<2	4	.02	.057	70	4	.21	285	.01	<3	.91	.02	.39	<2	1
128905	5	8	4	288	.3	1	1	1608	4.15	<2	<5	<2	14	22	.6	<2	<2	1	.93	.040	105	2	.70	172	.07	<3	1.32	.07	.29	<2	1
128906	9	12	99	453	.3	2	1	165	2.04	6	5	<2	11	21	.6	<2	2	6	.07	.044	57	5	.17	264	.02	<3	.67	.01	.41	<2	2
128907	5	2	6	272	<.3	1	1	2674	2.76	<2	<5	<2	4	50	.4	<2	3	<1	1.98	.054	37	3	.73	227	.08	<3	.82	.07	.50	<2	2
128908	3	2	4	478	<.3	2	1	2001	3.65	2	<5	<2	4	40	1.6	<2	<2	<1	1.22	.056	38	3	1.22	387	.16	<3	1.41	.05	1.06	<2	1
128909	4	2	191	516	.3	2	1	1097	3.17	<2	<5	<2	5	19	2.5	<2	<2	<1	.54	.054	54	2	1.02	369	.16	<3	1.33	.05	.99	<2	2
128910	5	4	7	808	<.3	<1	<1	1310	5.00	<2	<5	<2	16	16	4.0	<2	2	<1	.21	.034	121	2	1.55	654	.19	<3	2.18	.04	1.49	<2	2
128911	3	1	<3	230	<.3	1	<1	1601	3.13	3	<5	<2	5	27	.4	<2	<2	<1	.95	.059	45	2	.93	380	.15	<3	1.30	.06	.96	<2	2
128912	5	3	<3	1173	<.3	2	1	817	3.79	<2	<5	<2	6	9	5.0	<2	2	<1	.16	.064	51	3	1.07	477	.19	<3	1.69	.05	1.18	<2	2
RE 128912	5	3	3	1157	<.3	1	1	799	3.74	2	<5	<2	6	9	4.9	<2	<2	<1	.15	.061	48	2	1.06	463	.19	<3	1.65	.05	1.16	<2	1
128913	5	2	4	1953	<.3	2	1	2839	5.20	<2	<5	<2	6	15	17.1	<2	2	<1	.62	.061	60	3	1.36	495	.25	<3	2.04	.04	1.37	<2	1
128914	11	19	725	506	2.5	1	<1	200	1.26	<2	<5	<2	8	6	1.0	2	3	<1	.08	.037	76	4	.23	321	.04	<3	.77	.02	.44	<2	1
128915	4	2	17	525	<.3	1	1	538	5.77	5	<5	<2	11	5	.3	<2	<2	<1	.07	.030	50	3	1.29	357	.11	<3	2.05	.05	.73	<2	2
128916	6	3	15	481	<.3	<1	<1	538	5.54	<2	<5	<2	21	5	.7	<2	4	1	.07	.014	58	4	.89	305	.11	<3	1.79	.04	.61	<2	1
128917	7	2	<3	270	<.3	1	<1	475	7.23	<2	<5	<2	24	5	.2	<2	<2	<1	.04	.019	78	2	1.77	448	.18	<3	3.06	.03	1.19	<2	<1
128918	2	2	11	851	.3	<1	<1	3105	5.86	<2	<5	<2	16	10	3.7	<2	3	<1	.59	.014	171	2	1.15	293	.10	<3	1.78	.02	.64	<2	<1
128919	4	12	21	574	.3	2	3	1440	5.99	6	<5	<2	21	6	1.8	<2	<2	<1	.11	.028	105	3	1.03	307	.08	<3	1.81	.07	.49	<2	<1
STANDARD C2/AU-R	20	58	37	142	6.9	70	36	1160	4.22	43	17	8	34	51	20.0	16	20	69	.50	.108	39	59	.99	199	.08	25	2.04	.06	.14	12	566

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P4 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 4 1996 **DATE REPORT MAILED:** Nov 14/96 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Data FA

Correlation Coefficients for 1995 Soil Samples. ORO BRAVO RESOURCES LTD. BRAVO/MAMU/KULAN CLAIMS (1178 Samples)

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
Mo	1 000																													
Cu	0 434	1 000																												
Pb	0 314	0 548	1 000																											
Zn	0 348	0 616	0 612	1 000																										
Ag	0 439	0 401	0 425	0 295	1 000																									
Ni	-0 091	0 154	-0 074	-0 025	-0 040	1 000																								
Co	-0 028	0 306	-0 015	-0 054	0 017	0 633	1 000																							
Mn	0 222	0 376	0 191	0 472	0 219	0 125	0 372	1 000																						
Fe	0 540	0 529	0 346	0 475	0 428	0 058	-0 005	0 511	1 000																					
As	0 561	0 312	0 350	0 274	0 475	0 001	-0 017	0 171	0 508	1 000																				
U	0 329	0 315	0.217	0 399	0.275	-0 047	0 019	0 276	0 339	0 219	1 000																			
Au	0 123	0.170	0 116	0 241	0 009	-0 025	-0 032	0 098	0 169	0 060	0 281	1 000																		
Th	0 434	0 449	0 380	0 387	0 358	-0 150	-0 046	0 174	0 486	0 391	0 423	0 272	1 000																	
Sr	0 074	0 326	0 204	0 227	0 144	0 232	0.218	0 112	0 083	0 098	0 169	0 025	0 120	1 000																
Cd	0 224	0 432	0 390	0 770	0 170	0 031	0 036	0 529	0 238	0 144	0 293	0 232	0 201	0 222	1 000															
Sb	0 420	0 370	0 346	0 265	0 526	0 081	0 088	0 165	0 286	0 375	0 128	0 053	0 265	0 114	0 163	1 000														
Bi	-0 038	0 089	-0 013	-0 021	-0 002	0 010	0 043	-0 029	-0 051	0 007	0 015	-0 020	-0 028	0 031	-0 003	-0 038	1 000													
V	-0 354	-0 194	-0 288	-0 334	-0 246	0 630	0 390	-0 229	-0 366	-0 298	-0 262	-0 063	-0 463	0 010	-0 179	-0 089	0 047	1 000												
Ca	0 042	0 133	-0 031	0 055	0 037	0 152	0 184	0 172	0 066	0 047	0 051	-0 017	0 036	0 584	0 086	0 011	0 001	-0 103	1 000											
P	-0 067	0 184	-0 039	-0 040	-0 041	0 308	0 391	0 175	0 071	-0 108	-0 034	-0 016	-0 289	0 301	0 046	-0 039	0 011	0 286	0 149	1 000										
La	0 434	0 476	0 333	0 482	0 352	-0 024	0 049	0 350	0 535	0 308	0 687	0 275	0 621	0 206	0 327	0 285	-0 032	-0 402	0 102	-0 006	1 000									
Cr	-0 254	-0 047	-0 164	-0 177	-0 167	0 808	0 426	-0 126	-0 149	-0 185	-0 173	-0 040	-0 300	0 115	-0 076	-0 016	0 029	0 865	-0 003	0 262	-0 203	1 000								
Mg	0 026	0 212	0 058	0 200	-0 098	0 483	0 212	-0 026	0 145	-0 026	0 130	0 289	0 159	0 276	0 119	0 078	-0 020	0 376	0 113	0 076	0 174	0 534	1 000							
Ba	0 124	0 352	0 157	0 278	0 025	0 249	0 320	0 512	0 338	0 060	0 112	0 105	0 167	0 286	0 266	0 098	-0 037	0 038	0 086	0 226	0 329	0 167	0 411	1 000						
Ti	-0 062	0 093	0 001	0 096	-0 138	0 346	0 112	-0 102	0 039	-0 085	0 024	0 251	0 092	0 153	0 090	0 037	-0 038	0 460	-0 063	-0 036	0 000	0 489	0 779	0 278	1 000					
B	-0 001	-0 019	0 034	0 038	0 067	0 023	-0 012	0 151	0 094	0 055	-0 015	-0 047	0 011	0 035	0 045	0 130	-0 039	-0 018	0 050	0 014	0 054	0 015	-0 033	0 063	-0 038	1 000				
Al	-0 004	0 225	0 079	0 186	-0 120	0 375	0 157	-0 078	0 094	-0 112	0 165	0 284	0 062	0 223	0 107	0 019	0 021	0 375	-0 068	0 220	0 212	0 462	0 798	0 349	0 687	-0 060	1 000			
Na	-0 160	-0 030	0 035	-0 005	-0 042	-0 249	-0 167	-0 187	-0 271	-0 175	-0 042	-0 007	-0 072	0 247	0 022	-0 061	0 002	-0 035	-0 040	-0 051	-0 200	-0 179	-0 050	-0 084	0 028	-0 097	-0 055	1 000		
K	0 239	0 329	0 292	0 307	0 098	-0 005	-0 069	-0 012	0 322	0 181	0 199	0 307	0 353	0 280	0 206	0 125	-0 027	-0 066	-0 073	0 037	0 286	0 018	0 597	0 358	0 671	-0 048	0 627	0 056	1 000	
W	-0 035	-0 016	-0 009	-0 013	-0 012	0 065	0 021	-0 017	-0 016	-0 016	-0 019	-0 004	-0 030	-0 016	-0 006	-0 016	-0 010	0 065	-0 009	0 039	-0 031	0 079	0 010	-0 019	0 010	0 009	0 010	-0 021	-0 026	1 000

Descriptive Statistics for 1995 Soil Samples. ORO BRAVO RESOURCES LTD. BRAVO/MAMU/KULAN CLAIMS

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
Mean	9.1392	17.6885	92 8752	377.4864	0.4705	5.6587	2.8073	1466.2572	4 1759	14.8107	8 1307	2 0246	7.5671	13 4703	1 4454
Standard Error	0.2631	0.3496	4.5956	15 0807	0 0167	0 1180	0.0677	43.3140	0.0628	0.5050	0.2010	0.0082	0.2218	0 2656	0.0844
Median	7	15	40	183	0.3	5	2	1082	3.81	10	5	2	4	11	0 7
Mode	6	13	3	74	0.3	3	2	486	3 28	2	5	2	2	10	0.2
Standard Deviation	9.029	11.997	157.732	517.598	0.573	4 051	2.323	1486.623	2.155	17.334	6 898	0.280	7 613	9.116	2.898
Sample Variance	81 515	143.939	24879.233	267907.985	0 328	16 407	5.394	2210047.286	4 645	300.458	47 578	0 078	57.957	83 097	8 399
Kurtosis	23.277	14.252	32.783	24 234	108.925	9 342	65.439	31.564	2.334	59.813	36.033	377 028	6.628	61 924	314 873
Skewness	3.809	2.804	4 851	3.805	8 682	2.294	5.691	4.014	1 052	5.784	4.691	17 605	2.014	5.460	13.816
Range	96	125	1683	6238	9.8	34	39	19782	17 28	271	90	7	69	155	72 6
Minimum	1	1	3	5	0 3	1	1	21	0 31	2	5	2	2	2	0 2
Maximum	97	126	1686	6243	10.1	35	40	19803	17 59	273	95	9	71	157	72 8
Sum	10766	20837	109407	444679	554.3	6666	3307	1727251	4919 26	17447	9578	2385	8914	15868	1702 7
Count	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178

	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
Mean	2.6138	2.1290	14 6935	0.1929	0 0435	71.1774	8 4559	0 1926	159.6316	0 0322	3 3523	0 8343	0.0148	0.1460	2.0017
Standard Error	0.0451	0.0163	0.3122	0.0082	0.0006	1 2992	0.2279	0.0056	3.5022	0.0009	0 0190	0 0131	0.0003	0.0045	0.0012
Median	2	2	14 5	0 13	0.04	63	7	0 14	129	0 02	3	0 77	0.01	0.09	2
Mode	2	2	2	0.07	0.029	52	2	0 07	78	0 01	3	0 81	0 01	0 05	2
Standard Deviation	1.549	0.558	10 714	0.281	0.020	44.591	7.823	0.193	120.202	0 032	0 654	0 451	0.009	0.154	0 041
Sample Variance	2.399	0.311	114.784	0.079	0.000	1988.365	61.195	0.037	14448 539	0 001	0.427	0.204	0.000	0 024	0 002
Kurtosis	70.932	139.440	11.160	47.873	10.228	23.317	24.845	27.614	10.639	10 021	2.916	2.226	7.597	13.002	586 493
Skewness	6.530	9.240	1.780	6.069	2.253	3.059	3.374	4.174	2.669	2.618	1.866	1 120	2 466	3.076	24.238
Range	24	11	102	3 52	0.209	563	83	1 94	968	0 23	3	3 1	0 08	1 25	1
Minimum	2	2	1	0 01	0 009	1	1	0.02	13	0 01	3	0 1	0 01	0 01	2
Maximum	26	13	103	3.53	0.218	564	84	1 96	981	0 24	6	3.2	0 09	1 26	3
Sum	3079	2508	17309	227 27	51 185	83847	9961	226 86	188046	37 98	3949	982 84	17 48	171 97	2358
Count	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178

Correlation Coefficients for 1996 Soil Samples. ORO BRAVO RESOURCES LTD. BRAVO/MAMU/KULAN CLAIMS

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Au*
Mo	1 000																															
Cu	0 209	1 000																														
Pb	-0 013	0 314	1 000																													
Zn	0 053	0 357	0 607	1 000																												
Ag	0 160	0 182	0.214	0 036	1 000																											
Ni	-0 223	0 403	0 183	0 263	-0 045	1 000																										
Co	-0 155	0 431	0 317	0 304	-0 011	0 627	1 000																									
Mn	-0 008	0 042	0 068	0.295	0 046	0 098	0 131	1 000																								
Fe	0 396	0 197	-0 039	0.200	0 034	-0 014	0 038	0 369	1 000																							
As	0 075	-0 009	-0 004	0 284	0 032	0 008	0 074	0 085	0 134	1 000																						
U	0 003	0 053	0 061	0 131	0 014	0 064	0 065	0 275	0 173	-0 006	1 000																					
Au	-0 026	-0 014	-0 017	-0 022	-0 005	-0 016	-0 018	-0 015	-0 041	-0 002	-0 008	1 000																				
Th	0 366	0 204	0 025	0 080	0 021	-0 055	0 038	0 035	0 294	-0 010	0 064	-0 033	1 000																			
Sr	-0 008	0 124	0 133	0 232	0 040	0 329	0 267	0 493	0 191	0 030	0 380	-0 005	-0 005	1 000																		
Cd	0 014	0 264	0 491	0 820	0 045	0 185	0 272	0 316	0 137	0 551	0 095	0 007	-0 012	0 238	1 000																	
Sb	0 146	0 041	0 085	0 020	0 918	-0 035	-0 026	-0 007	0 005	0 135	0 003	-0 002	0 015	-0 003	0 057	1 000																
Bi	0 131	0 069	0 004	0 097	0 029	-0 072	-0 149	0 201	0 190	-0 010	0 029	-0 012	0 156	0 048	0 028	-0 012	1 000															
V	-0 292	0 176	0 064	0 044	-0 033	0 713	0 447	-0 077	-0 196	-0 051	-0 052	-0 035	-0 249	0 116	0 035	-0 012	-0 156	1 000														
Ca	-0 057	0 115	0 007	0 098	0 004	0 234	0 134	0 250	0 119	0 042	0 127	-0 003	-0 054	0 446	0 097	-0 014	0 079	-0 003	1 000													
P	-0 036	0 341	0 173	0 208	-0 003	0 423	0 550	0 041	0 130	0 075	0 138	0 027	-0 154	0 447	0 206	-0 001	-0 055	0 309	0 118	1 000												
La	0 339	0 117	-0 017	0 184	-0 002	-0 094	-0 057	0 011	0 212	0 026	0 019	-0 043	0 654	0 010	0 055	0 028	0 268	-0 284	0 002	-0 057	1 000											
Cr	-0 244	0 257	0 147	0 182	-0 028	0 829	0 495	-0 014	-0 113	0 010	0 016	-0 032	-0 100	0 207	0 121	-0 007	-0 105	0 740	0 084	0 303	-0 088	1 000										
Mg	-0 087	0 342	0 102	0 302	-0 031	0 699	0 473	0 030	0 090	-0 014	0 063	-0 029	0 153	0 259	0 188	-0 027	-0 088	0 544	0 265	0 208	0 040	0 624	1 000									
Ba	0 008	0 171	0 149	0 272	-0 002	0 238	0 341	0 204	0 070	0 046	0 085	-0 020	-0 017	0 274	0 255	-0 010	-0 029	0 095	0 090	0 302	0 073	0 376	0 250	1 000								
Tl	-0 096	0 181	0 034	0 132	-0 013	0 505	0 290	-0 032	0 010	-0 030	0 007	-0 028	0 160	0 169	0 090	0 001	-0 105	0 636	0 021	0 089	-0 051	0 557	0 771	0 185	1 000							
B	0 117	0 042	0 055	0 029	0 019	-0 029	0 002	-0 003	0 049	-0 007	0 037	-0 010	0 132	-0 006	0 049	-0 001	-0 004	-0 033	-0 049	0 010	-0 029	-0 040	-0 015	-0 020	0 011	1 000						
Al	-0 053	0 261	0 046	0 229	-0 061	0 465	0 395	-0 007	0 073	0 019	0 088	-0 033	0 134	0 142	0 139	-0 035	-0 183	0 491	-0 069	0 175	0 057	0 485	0 737	0 226	0 649	0 023	1 000					
Na	-0 087	-0 044	-0 070	-0 137	-0 012	-0 094	-0 094	-0 025	-0 167	0 003	0 032	-0 017	-0 165	0 236	-0 056	-0 010	-0 087	0 027	-0 051	0 047	-0 213	-0 117	-0 064	-0 067	0 016	0 007	-0 052	1 000				
K	0 191	0 214	0 193	0 207	0 039	0 182	0 306	0 002	0 138	-0 006	0 147	-0 024	0 270	0 274	0 146	-0 002	-0 129	0 150	-0 101	0 259	0 083	0 260	0 529	0 310	0 564	0 109	0 611	0 038	1 000			
W	-0 026	-0 014	-0 017	-0 022	-0 005	-0 016	-0 016	-0 015	-0 041	-0 002	-0 008	1 000	-0 033	-0 005	0 007	-0 002	-0 012	-0 035	-0 003	0 027	-0 043	-0 032	-0 029	-0 020	-0 028	-0 010	-0 033	-0 017	-0 024	1 000		
Tl	0 062	0 004	0 136	0 192	0 038	-0 033	-0 010	0 101	0 094	0 006	0 021	-0 093	0 063	0 000	0 099	0 023	0 110	-0 112	0 047	0 022	0 174	0 091	-0 055	0 147	-0 143	0 089	-0 094	-0 177	0 046	-0 093	1 000	
Hg	0 131	0 045	0 053	-0 022	0 909	-0 037	-0 035	-0 017	-0 013	0 004	-0 008	-0 002	0 016	-0 013	-0 015	0 983	-0 012	-0 006	-0 021	-0 013	0 023	-0 020	-0 029	-0 023	0 005	-0 010	-0 040	-0 017	-0 014	-0 002	0 016	1 000
Au*	0 011	0 003	0 057	0 189	0 096	0 060	0 120	0 055	0 075	0 504	-0 024	-0 013	0 013	0 017	0 338	0 128	0 001	-0 030	-0 003	0 070	0 026	0 060	-0 006	0 067	-0 026	0 012	0 020	-0 084	0 040	-0 013	0 123	0 059	1 000

Descriptive Statistics for 1996 Soil Samples, ORO BRAVO RESOURCES LTD. BRAVO/MAMU/KULAN CLAIMS

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
Mean	9 351	12 276	77 199	283 208	0 352	4 451	2.893	1537 307	4 376	19 748	5 194	2 002	9 444	11 257	0 815
Standard Error	0 268	0 389	6 468	15 321	0 018	0 150	0 088	135 343	0 095	8 303	0 038	0 002	0 362	0 406	0 066
Median	8	10	36	178	0 3	4	2	1015	4 07	9	5	2	7	9	0 2
Mode	6	9	19	54	0 3	1	1	243	3 36	2	5	2	2	6	0 2
Standard Deviation	6 673	9 670	160 923	381 177	0 441	3 724	2 190	3367 294	2 370	206 586	0 949	0 040	9 006	10 111	1 637
Sample Variance	44 532	93 501	25896 130	145296 016	0 194	13 869	4 794	11338668 472	5 617	42677 697	0 901	0 002	81 115	102 237	2 680
Kurtosis	14 086	41 490	46 575	28 404	424 881	11 317	17 782	271 201	72 989	610 219	77 093	619 000	9 570	47 457	80 659
Skewness	2 725	4 608	6 284	4 463	19 321	2 499	2 840	15 093	5 582	24 624	7 875	24 880	2 505	5 515	7 464
Range	60 000	129 000	1589 000	4051 000	10 000	31 000	23 000	67472 000	38 530	5131 000	12 000	1 000	65 000	125 000	23 000
Minimum	1	1	3	5	0 3	1	1	9	0 31	2	5	2	2	1	0 2
Maximum	61	130	1592	4056	10 3	32	24	67481	38 84	5133	17	3	67	126	23 2
Sum	5788	7599	47786	175306	217 6	2755	1791	951593	2708 81	12224	3215	1239	5846	6968	504 7
Count	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619

	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
Mean	2 071	2 254	13 580	0 173	0 040	87 698	7 354	0 184	148 664	0 027	3 149	0 821	0 014	0 151	2.002
Standard Error	0 049	0 035	0 393	0 011	0 001	2 232	0 267	0 007	4 825	0 001	0 025	0 018	0 000	0 005	0 002
Median	2	2	12	0 1	0 036	72	6	0 14	112	0 02	3	0 74	0 01	0 12	2
Mode	2	2	11	0 03	0 028	63	1	0 07	89	0 01	3	0 57	0 01	0 04	2
Standard Deviation	1 226	0 862	9 789	0 273	0 021	55 535	6 638	0 172	120 038	0 025	0 613	0 450	0 009	0 118	0 040
Sample Variance	1 503	0 743	95 820	0 075	0 000	3084 143	44 061	0 029	14409 097	0 001	0 376	0 203	0 000	0 014	0 002
Kurtosis	577 520	19 412	13 563	105 805	72 357	3 937	10 420	14 250	10 298	9 007	36 866	1 489	27 332	7 841	619 000
Skewness	23 698	4 232	2 252	8 165	5 995	1 641	2 364	2 974	2 666	2 529	5 609	1 058	4 260	2 307	24 880
Range	30 000	6 000	102 000	4 440	0 330	383 000	55 000	1 540	996 000	0 170	6 000	2 890	0 080	0 870	1 000
Minimum	2	2	1	0 01	0 008	2	1	0 01	16	0 01	3	0 07	0 01	0 02	2
Maximum	32	8	103	4 45	0 338	385	56	1 55	1012	0 18	9	2 96	0 09	0 89	3
Sum	1282	1395	8406	107 26	24 652	54285	4552	113 64	92023	16 83	1949	508 28	8 39	93 51	1239
Count	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619