REPORT OF GEOLOGICAL, GEOCHEMICAL, AND GEOPHYSICAL EXPLORATION PROGRAM, MARCH - OCTOBER, 1992

EHOLT PROPERTY, B.C.

Greenwood Mining Division
British Columbia

NTS 82E/2E
Latitude 49°10' N
Longitude 118°32' W

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Robert T. Fredericks
Orvana Minerals Corp.
May 12, 1993

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INTRODUCTION

The Eholt property, located near Greenwood, British Columbia (Fig. 1), was partly explored by Orvana Minerals Corporation during the period March - October, 1992. The Eholt property is located on a package of rocks hosting numerous Cu-Au bearing skarn occurrences in the Greenwood Camp, including two former producers located within 2 kilometers of the property. The largest deposit in the camp was at Phoenix, where almost 27 million tonnes of ore grading 0.85% Cu and 1.1 grams/tonne Au were produced.

The work described in this report is part of a systematic exploration program initiated during the previous assessment year, when Orvana conducted a ground magnetic survey over part of the Eholt property. Subsequent work described herein included geologic mapping, rock geochemistry, soil geochemistry, additional ground magnetic survey, VLF-EM survey, and an I.P. survey.

PROPERTY

The Eholt property consists of five contiguous 4-post mineral claims comprising a total of 70 units (Fig. 2). The Pt. Eholt, Eholt, Eholt #1, and Eholt #2 claims are held under option by Orvana Mineral Corp from Mr. Herman Hoehn of Grand Forks, B.C. The Eholt #4 claim is held under option from Golden Kootenay Resources of Delta, B.C.

Pertinent claim information is summarized below:

Name	No. of Units	Tenure No.	Expiry Date
Pt. Eholt	6	214340	Oct. 9, 1998
Eholt	12	215004	Mar. 26, 1998
Eholt #1	20	215014	Apr. 29, 1998
Eholt #2	20	215015	Apr. 29, 1998
Eholt #4	12	215013	Apr. 29, 1998

LOCATION AND ACCESS

The Eholt property is located 11 km NE of Greenwood and 16 km NW of Grand Forks, B.C. at latitude 49°10'N, longitude 118°32'W. Access is good and is provided by Highway 3, which traverses the property, several logging roads, and two old abandoned railroad grades. The site of Eholt, a loosely-bounded settlement which is still inhabited, is located just north of Highway 3, on the property.

PHYSIOGRAPHY AND CLIMATE

The Eholt property is characterized by relatively subdued, low-lying, mountainous terrain. Elevations range 3000-4000 ft. Relief is generally mild, though a few bluffs do occur on the

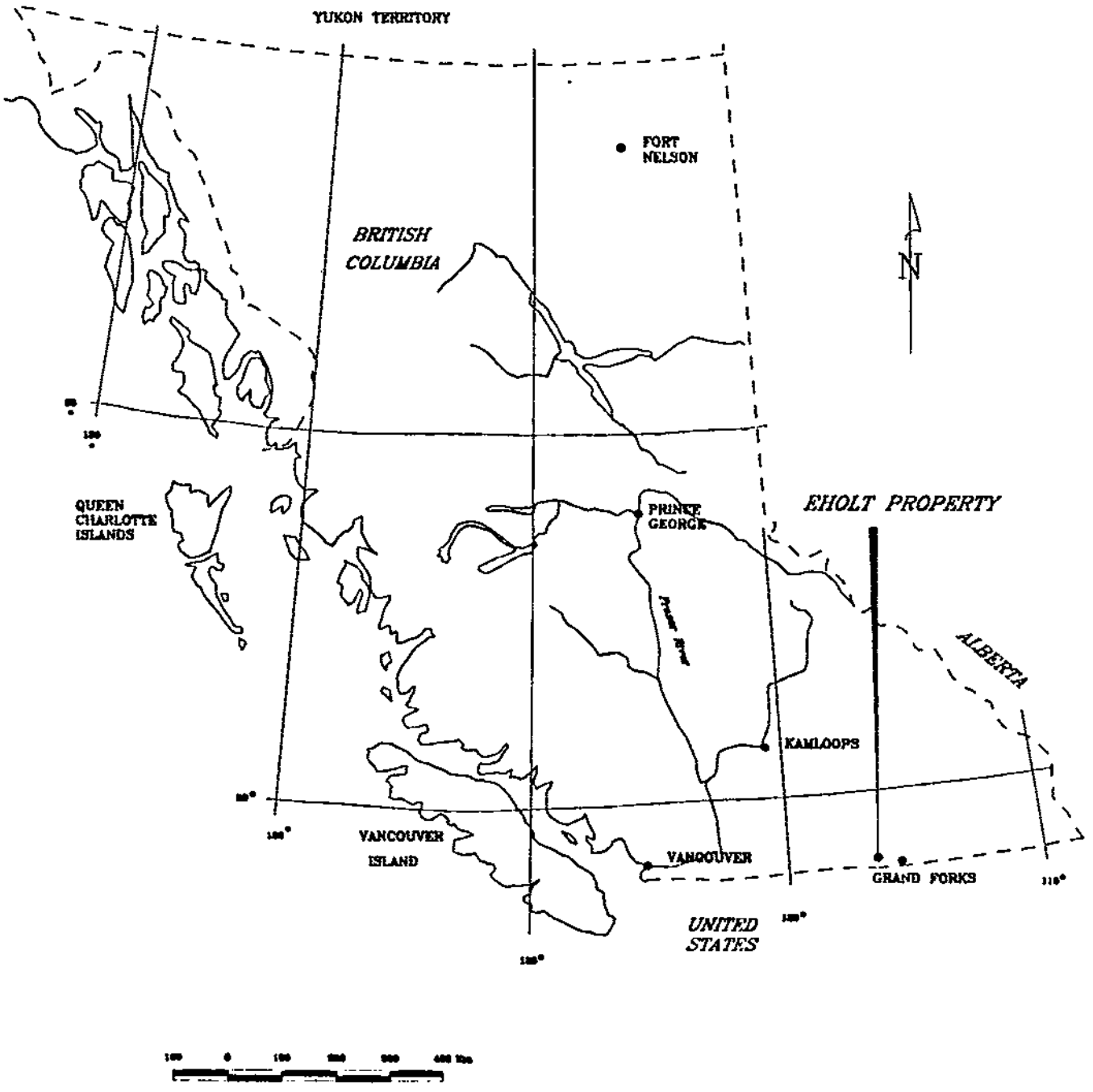

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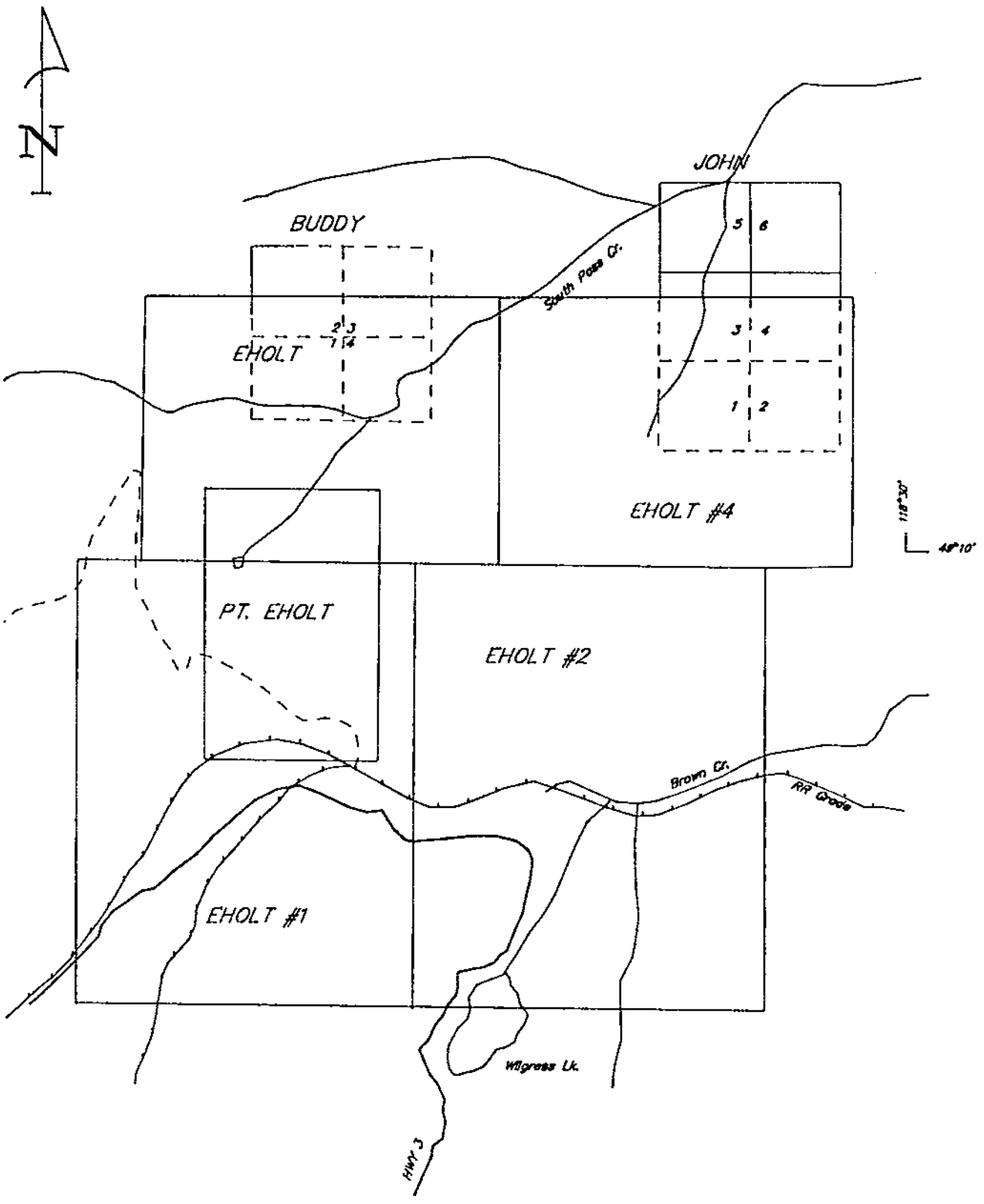
Fig. 1

LOCATION MAP

OK SYNDICATE
Northeastern Washington and southern British Columbia

Oct. 91



0 500 1000 m

NTS 82E/2E

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EHOLT PROJECT
Claim Locations
Fig. 2

OK SYNDICATE
British Columbia, Canada

4/93
6/92

hill immediately north of the Eholt settlement site. Most of the property is covered with timber land, with some brush-grassland on slopes with southern exposure.

The climate is moderate. Precipitation is typically low during the summer and fall, and moderate during the rest of the year. Snow cover during December-February averages 0.5-1.5 m. Annual temperature range is approximately -20° to 35°C.

PREVIOUS WORK

Mining and exploration in the Eholt area began around the beginning of the 20th century. Production during the period of several hundred thousand tons of ore grading approximately 1% Cu and 1 gram/tonne Au came from the Oro Denoro and Emma mines located 3 km south of Eholt. Numerous old shallow shafts, short adits, and prospect pits, probably dating from this period, occur on the Eholt property.

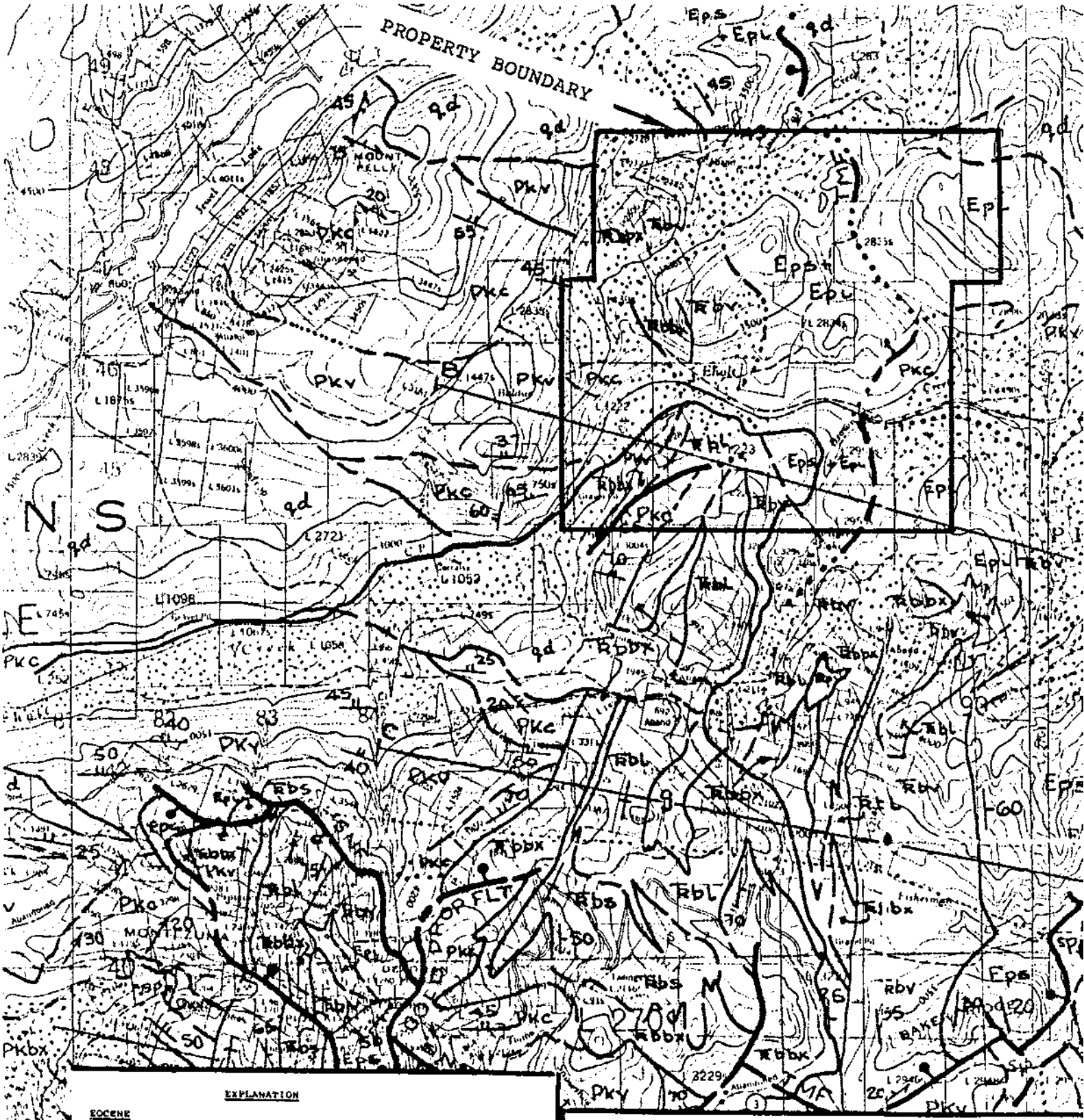
Recent, documented exploration on the Eholt property was conducted by Golden Kootenay Resources, Inc. during the period May 11, 1987-January, 1989. This work included grid installation, soil geochemistry, and diamond drilling (3 holes). VLF-EM was run over the grid, and a magnetometer survey was run over part of the grid. Also, in 1981, Geokor Holdings Ltd. drilled one core hole at the "Dead Honda" showing.

During the period October 1991 - March 1992, Orvana Minerals Corp. re-established old grid and installed new grid, over which a ground magnetic survey was run. Results of this program demonstrated significant magnetic relief over the surveyed area, and demonstrated the potential presence of skarn deposits.

REGIONAL GEOLOGY

Geologic mapping within the Grand Forks and Greenwood areas has been published by Little (1983), Church (1986), and Fyles (1990). The area is underlain by moderately deformed volcanic and sedimentary rocks of late Paleozoic to Mesozoic age, which are intruded by Cretaceous to Tertiary rocks of various compositions (Fig. 3). Younger volcanic and sedimentary rocks overlie the pre-Teriary rocks in places, marking small, relatively recent depositional basins.

The oldest stratified rocks belong to the Knob Hill Formation. It and the overlying Attwood Group are Carboniferous or Permian age. Both groups consist of andesitic volcanics and interbedded limestone, chert, siltstone, argillite, and conglomerate. The Triassic age Brooklyn Formation unconformably overlies the older rocks. It consists of andesitic volcanics (commonly clastic) and interbedded limestone, siltstone, sandstone and sharpstone conglomerate. These old rocks have been folded and faulted with



EXPLANATION

EOCENE

Penticton Grp.	Epi	Coryell syenite, monzonite, diorite
	Eps	Kettle River Fm. sediments and Marron Fm. andesite, trachyte

CRETACEOUS

Nelson Int.	qd	Granodiorite, quartz diorite, diorite

TRIASSIC

Brooklyn Fm.	TRbv	Greenstone, microdiorite
	TRbl	Limestone
	TRbs	Sandstone, siltstone, hornfels
	TRbbx	Chert breccia or sharpstone conglomerate, tuff, tuffaceous siltstone

PERMIAN

Knob Hill Fm.	Pkc	Chert, argillite, limestone
	Pkv	Greenstone, pillow lava, breccia

Reference: Fyles, J. T., 1990
Geology of the Greenwood-Grand Forks Area, B.C. - MEMPR Open File, 1990-25

orvana RESOURCES CORP
Coeur d'Alene, Idaho

DATE	May 93
REVISED BY	DATE

Fig. 3
EHOLT PROJECT
Regional Geology

DATA BY	SCALE	SHEET NO.
RF	1:50000	PLATE NO.

a general northeast structural trend. They commonly exhibit lower greenschist grade metamorphism, with minor, more intense higher grade regional metamorphism.

The oldest intrusive rocks in the camp are diorite dikes and sills, which possibly represents feeders to the volcanic rocks of the Knob Hill Fm. Serpentinite occurs as lenticular bodies within the Knob Hill Fm, and along major faults. The age of these rocks is uncertain. Fyles (1990) suggests that the serpentinites are part of an ophiolite sequence that was obducted during post-Triassic time.

During the Cretaceous Period, extensive intrusion of rocks grouped as Nelson Intrusives occurred. These rocks reach batholithic proportions, and range compositionally from diorite to granodiorite. They are generally hypidiomorphic to equigranular, though on occasion are porphyritic.

Tertiary (Eocene) rocks in the camp belong to the Penticton Group. This consists a basal series of immature sedimentary rocks and volcaniclastics, and an unconformably overlying series of volcanic flows. These volcanics include andesite, trachyte, and phonolite. Intruding the stratified Tertiary rocks are a variety of dikes, sills and plugs, with wide compositional variations. These rocks include syenite, pulaskite, monzonite, and diorite. They have been grouped with the Coryell Intrusions.

Structural geology within the camp is complex. Fyles (1990) has identified five thrust sheets that are Mesozoic age - post Brooklyn Fm depositional time and probably pre-Nelson intrusive time. Rocks within these sheets have been folded, and the thrust planes are characterized by serpentinite emplacement and intense deformation. Tertiary age deformation occurred within an extensional environment, and is evinced by northerly striking normal faults with shallow to steep dips.

1992 PROGRAM

During the period from March - October 1992 Orvana conducted a program on the Eholt Project including the following:

- Produced a geologic map over a 5 Km^2 area (mapped on grid).
- Collected 63 rock samples over the same area.
- Installed over 32.8 Km of grid.
- Collected 1044 soil samples over the grid on 30, 40, or 60 meter spacings.
- Completed a ground magnetic survey over 15 Km of grid (10 meter spacing between readings).
- Conducted VLF survey over 26.5 Km of grid (10 meter spacing between readings).
- Conducted 9.3 Km of I.P. survey.
- Obtained contoured orthophotos at 1:5000 scale for topographic base maps.

PROPERTY GEOLOGY

The Eholt property is underlain by sedimentary and volcanic rocks of both the Knob Hill and Brooklyn Formations, which are intruded by a variety of intermediate to mafic rocks ranging from Cretaceous(?) to Tertiary in age. Tertiary extrusive volcanics cap the older rocks on parts of the property. Thin gravel cover exists over much of the property, hampering mapping.

Knob Hill Formation

Rocks mapped as part of the Knob Hill Formation (Permian) consist of fine-grained clastic sediments. These rocks lay along the western portion of the property. They tend to be poorly exposed and are seen in only a few small, low-lying outcrops and in scrapes created by logging equipment. These rocks range from fine to medium-grained, and are pale to dark tan and grey. These quartzites appear recrystallized, and west of the Dead Honda area (NW portion of the property) they have a weak schistocity. Bedding generally strikes NW and dips moderately NE.

Brooklyn Formation

Rocks on the property belonging to the Brooklyn Fm (Triassic) are the northern extension of stratigraphy hosting the Oro Denoro and Emma deposits, located 2 Km to the south. They appear to unconformably overlie the Knob Hill Fm. They strike N to NNE, and dip vertically to steeply east. Minor variations of orientaion are present. On the Eholt property, the Brooklyn Fm can be divided into three main stratigraphic units. These units, in accending stratigraphic order, consist of basal sharpstone conglomerate, which has silty beds near its top, limestone, and andesitic volcanics. These units display some variation, in that the dominant lithology contains interbedded portions of other lithologies in places. The contacts between these units are poorly exposed.

The sharpstone conglomerate unit unconformably overlies the Knob Hill Fm. It typically consists of rounded chert pebbles to cobbles, in a sandy to tuffaceous matrix. It is clast-rich, even clast-supported in places. Color is mottled medium to dark grey or green. It is usually thickly-bedded, though thinner units exist where interbedded with sand/siltstone and metavolcanics. In places the sharpstone is quite limey, even containing cobbles of limestone. The most extensive exposure of sharpstone is on the south face of Mt. Eholt. Here it is extensively altered to tremolite-garnet-epidote skarn. The upper portions of the sharpstone unit become silty, with siltstone and greywacke interbeds.

The limestone unit consists of thickly bedded light tan to white marble. The marble is fine to medium-grained. It is very poorly exposed, rarely forming outcrop. Exposures are almost entirely provided by shallow prospect workings and road cuts. In the northern portion of the property, the marble forms an interbed

within the metavolcanic unit; thickness is approximately 50m. It appears to thin to the north.

The metavolcanic unit consists of andesitic volcaniclastics and flows. The rocks are dark greenish grey to almost black. They are aphanitic to porphyritic; phenocrysts of feldspar and hornblende are common in some units. The volcaniclastic component varies from tuffaceous to cobble-rich and limey. This is expecially true near the contact with the marble unit, where cobbles of marble float in a volcaniclastic matrix.

Nelson Intrusives

Rocks mapped on the property as Nelson age intrusives include diorite and monzonite. No age dating has been attempted on these rocks, therefor their age is not positively known. They do not outcrop very well. Monzonite is by far the dominant lithology; only a couple subcrops of diorite were observed, located north of Dead Honda Cr. These rocks appear to form NE trending stocks. They are typically medium-grained, equigranular, and medium grey to brown color. They are quite biotitic, with 10-20% brown biotite.

Eocene Intrusives

Eocene intrusive rocks occur as a variety of dikes, sills, and small plugs on the property. They consist of pink syenite that ranges from fine-grained and equigranular to medium-grained and porphyritic. They have strikes ranging NE to NW. Dips are principally to the north, and range from steep to shallow. Thickness ranges 2-40m, but is most commonly 10-20m thick.

Eocene Extrusives

Eocene extrusive volcanics include both flows and volcaniclastics. These rocks occur in the eastern portion of the property, where they appear to overlie metavolcanics of the Brooklyn Fm. They are mostly poorly exposed, except along the east side of Eholt Mtn. They are principally latite, though some might be appropriately classified as phonolite and trachyte. No attempt was made to map individual units. The clastic component is exposed on the eastern end of Eholt Mtn., where medium to coarse-grained lapilli tuff is well exposed. Crude bedding in these rocks dips 10-20^{o} to the north.

ALTERATION

Alteration on the Eholt property is restricted to rocks of the Brooklyn Fm. Alteration includes calcsilicate skarn in sharpstone, metavolcanic, and carbonate rocks, and marblization of limestone. Calcsilicate skarn occurs in several scattered locations on the Eholt property. Three types of skarn mineral assemblages have been mapped. These include garnet dominant skarn with variable epidote and pyroxene, amphibole-chlorite-epidote skarn with minor pyroxene, and tremolite skarn with variable garnet and epidote.

Garnet skarn occurs in several scattered locations on the property. The garnet is typically dark reddish brown. Garnet skarn commonly occurs with variable amounts of epidote, green pyroxene (probably diopside), magnetite, and sulphides. Both massive and banded (garnet bands and epidote/pyroxene/magnetite bands) types are present. Garnet-pyroxene and garnet-epidote skarn with magnetite and sulphides occurs in metavolcanic rocks at the Dead Honda, Eholt Mtn, and Brown Cr showings. Massive garnet skarn with minor magnetite is exposed on the hilltop north of the Dead Honda showing.

Amphibole-chlorite-epidote skarn occurs within sharpstone conglomerate in a very poorly exposed area south of Highway 3. In this area the sharpstone is mottled green and grey, with alteration principally being in the matrix. Vague pinkish-grey whisps may be potassium feldspar replacements. These rocks contain disseminated pyrrhotite and pyrite. Interbedded metavolcanics and sharpstone on the SE flank of the hill north of the Dead Honda showing display similar alteration. Fine-grained acicular clots of amphibole appear as an alteration mineral in fragmental metavolcanics in several prospect pits located NE of the Brown Cr showing.

A 20-30m thick bed of sharpstone conglomerate on the south face of Pt. Eholt has been extensively altered to skarn. The assemblage includes tremolite +/- garnet, quartz and epidote. Interestingly, the clasts have been most extensively replaced (mostly by fine to medium-grained acicular tremolite), indicating that they probably were carbonate cobbles. Similar skarn is exposed in a prospect pit at the Eholt Mtn showing.

All observed exposures of Brooklyn Fm limestone have been marblized. These rocks are fine to medium-grained, and bleached pale tan to white.

MINERALIZATION

Two principal types of mineralization occur on the Eholt property. These include sulphide and/or magnetite replacements within or associated with skarn, and disseminated and stringer sulphides within metavolcanics and sharpstone.

Shallow workings in several locations on the property expose replacements of pyrrhotite, pyrite, magnetite, and chalcopyrite in various combinations. These minerals replace garnet dominant skarn at the Dead Honda, Eholt Mtn, and Brown Cr showings. Causitive intrusive contacts are not readily appearant, although Eocene dikes/sills are present at or near these occurrences. The minerals commonly form clots within skarn or moderately intense to massive replacement lenses 10-50 cm (as exposed) along bedding planes or fractures. At the Dead Honda showing, a dump sample of oxidized amphibole-pyroxene-garnet skarn with minor chalcopyrite and pyrite ran 5795ppb Au and 3105ppm Cu. Also, an 18 ft. intercept of massive pyrrhotite with minor pyrite and

chalcopyrite is reported in Assessment Report #8812. Gold and copper values in this intercept were anomalous, but not ore grade. Causitive intrusive contacts are not readily appearant, although Eocene dikes/sills are present at or near these occurrences.

Disseminated pyrrhotite is common in tremolite skarn altered sharpstone conglomerate on the south face of Pt. Eholt. Concentrations range trace-2%. This material is only weakly anomalous in Au and Cu. Disseminated pyrite and pyrrhotite ranging trace-1% occurs in amphibole-chlorite-epidote skarn exposed in shallow workings and in float, south of Highway 3. Samples of this material assay up to 98ppb Au and 1400ppm Cu. Disseminated pyrite in concentrations ranging trace-3% is common in fragmental metavolcanic rocks in the area south and east of Pt. Eholt. Values up to 107ppb Au and 130ppm Cu have been obtained from this material; they commonly have several 10's ppb Au.

GRID INSTALLATION

A total of 32.87 km of grid was established as prerequisite to conducting the geochemical and geophysical surveys, and to provide control for geologic mapping. Both east-west and north-south lines were installed and utilized. Fill-in soil geochemistry was conducted along lines oriented north-south within the previously established grid on the northern portion of the property. The I.P. survey was conducted over an east-west oriented grid, to better cross stratigraphy, which strikes more north-south. Additional new grid was installed (oriented east-west) south of Highway 3; line spacing is 120m, station spacing is 40m. Stations are marked with a pink/blue flagging combination and aluminum or aluminum/olefin tags. The lines are brushed, blazed, and marked with pink flagging.

GEOCHEMISTRY

Rock Samples

A total of 63 rock samples were collected on the Eholt property during the described assessment period (Fig. 5). The samples included material collected from outcrops, dumps, shallow pits and workings. Observations made in the field while collecting the samples were recorded in sample notebooks (Appendix 1).

The samples were analyzed at Silver Valley Laboratories, Kellogg, Idaho, for Au, Ag, Cu, Co, Pb, Zn, Bi, Te, Mo. Sample preparation was accomplished by first crushing the sample to 1/8 inch, then rolling to -10 mesh, splitting the sample and pulverizing to -140 mesh. For Au and Ag, a 30 gram aliquot was ignited using standard fire assay procedure. At the cupelation stage the bead was dissolved in aqua regia and the resulting solution analyzed by flame atomic absorption. The remaining elements were determined by digesting (incompletely) a 1 gram

aliquot in aqua regia and then analyzing the solution by ICP emission spectroscopy.

Detection limits for elements using the above listed techniques are as follows:

Element	Lower Limit	Upper Limit
Au	<5 ppb	None
Ag	<0.1 ppm	>25 ppm
Pb, As	<5 ppm	>25000 ppm
Zn, Cu	<1 ppm	>10000 ppm
Co	<2 ppm	>50000 ppm
Bi, Mo	<2 ppm	>10000 ppm
Te	<5 ppm	None

Copies of the analytical results are presented in Appendix 2.

Sample results include a suite of anomalous elements commonly associated with Au or Au-Cu skarn systems. These results include a high Au value of 5795 ppb (sample #19088 - amphibole/pyroxene > garnet skarn with pyrite and chalcopyrite), and high Cu value of 1.87% (sample #19640 - garnet > epidote skarn with chalcopyrite, pyrite, and magnetite). Other anomalous trace elements and their maximum values include As - 1702 ppm, Co - 240 ppm, and Bi - 44 ppm.

Soil Samples

A total of 1044 soil samples were collected during the assessment period. The samples were collected both over areas that had been sampled by previous operators (as fill-in lines) and over areas that had not been explored by soil geochemistry. The purpose of these surveys is to: 1) better define patterns of anomalous Au and Cu is soils previously identified, and 2) extend geochemical coverage over a large portion of the property underlain by prospective geology but exhibiting very little outcrop.

The samples were collected on both east-west and north-south grid lines. The fill-in samples were collected at 30 m intervals along north-south lines spaced 80 m apart. These lines are located between (40 m from) the pre-existing grid lines which are located 80 m apart. The fill-in sampling was conducted in the north-central portion of the grid area. Coverage over previously unsampled areas was extended from the original grid in all four cardinal directions. Both east-west and north-south grid lines were established for sampling. Line spacings were initially 80 m or 120 m; subsequent fill-in lines reduced the line spacing to 40 m or 60 m in areas of interest. Sample spacings were either 30 m, 40 m, or 60 m.

The soil samples were collected from the B horizon of the soil profile, typically 15-50 cm in depth. The soils are in general, spodosols, and B horizon development is relatively apparent,

based on accumulation of orange iron oxides. The samples were assigned grid coordinate numbers to record their locations.

Soil samples were shipped to Acme Analytical Laboratories, Vancouver, B.C., for preparation and analysis. The samples were prepared by drying and sieving to -80 mesh. Gold was determined using a 10 gram sample aliquot, ignited at 600° Celsius, digested with hot aqua regia, extracted using MIBK and determined by graphite furnace atomic absorption. The published detection limit is 0.3 ppb.

The elements Mo, Cu, Pb, An, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, and W were determined simultaneously by ICP emission spectroscopy from a 0.5 gram sample aliquot digested with 3 ml of 3-2-1 HCL-HNO^3-H_2O at 95° Celsius for one hour, then diluted to 10cc with H_2O.

Detection limits for the ICP analysis are:

Ag	0.1 ppm
Cd, Co, Cr, Cu, Mo, Mn, Ni, Sr, Zn, W	1 ppm
As, B, Ba, Bi, La, Pb, Sb, Th, V	2 ppm
U	5 ppm
Al, Ca, Fe, K, Mg, Na, Ti	0.01 %
P	0.001%

Copies of the analytical results are presented in Appendix 3.

The 1044 soil samples collected by Orvana were compiled and collated with the early sampling by Golden Kootenay Resources, of which only gold and copper data were available. Of the elements analyzed, gold, copper, arsenic, and to some extent cobalt, were found most useful in identifying and delineating the mineralizing system.

Two distinct styles of metallization are apparent in the data. The first consists of Au, Cu, Co, and possibly As mineralization along a NE fabric. Two parallel zones, one running through the Dead Honda showing and the other traversing the southeast side of Eholt Mtn, exhibit this style. These zones are 500m apart. Both are approximately 1100m long and 100-200m wide. Two additional NE striking zones are manifested in relatively low-level Au features located south of Highway 3. The other elements provide only weak support within these features.

The second geochemical feature is a NW-striking pattern of essentially high As, with weak Au support. This feature occurs along the western boundary of the surveyed area. It intersects the NE-striking Dead Honda geochem feature at the Dead Honda showing, and intersects the Brooklyn limestone at the Brown Cr showings. Additionally, the entire western survey boundary south of Highway 3 demonstrates highly elevated As.

GEOPHYSICS

Magnetometer Survey

The magnetometer survey was run over the new grid installed south of Highway 3. Instruments used were two Geometrix G-856 portable recording magnetometers. These are proton procession instruments designed to measure the intensity of the earth's magnetic field. Variations in this intensity provide information regarding the mineralogic composition (due to magnetic characteristics of some minerals) of rock over which the instrument is run.

A base station was established at the same location every day during the survey. This instrument was set to automatically measure and record the magnetic intensity at 30 second intervals. This data enabled correction of the field survey for diurnal variation.

The other instrument was designated as field instrument; it was used to measure and record data over the grid. Measurements of magnetic intensity were recorded at 10 m spacing along all grid cross lines.

The data from both instruments was dumped into and stored in a personal computer every evening. After completing the entire survey, the raw field data was corrected for diurnal variation. The corrected values were merged with the data aquired during the previous survey and plotted at 1:5000 scale and contoured. South of Highway 3, the magnetic response appears to follow NNE striking stratigraphy. Two magnetic highs are unbounded on the east side of the survey.

VLF-EM Survey

A VLF-EM survey was run over a portion of grid located north of Highway 3. A Geometrix Model EM-16 VLF receiver was used in the survey. Both the Seattle (24.8 Khz) and the Hawaii (23.4 Khz) transmitter stations were used. The purpose of the survey was to measure the dip angle of the VLF radio signal at regular intervals over the grid. Distortions of the dip angle are the result of differing capacities of the bedrock below to conduct electromagnetic radiation. These differences in conductivity are interpreted to reflect the presence of various geologic features including lithologic contacts, structure, alteration, and mineralization.

A total of 26.46 line kilometers were covered in the survey. The grid line orientation is north-south. Dip angle and quadrature measurements were obtained and recorded manually at 10m intervals along the lines. Upon completion of the survey these data were entered into a computer database and then Fraser filtered to enhance the contrast. A plot (in plan) of the filtered data appears to suggest the presence of several conductors (possibly

structures) with orientations including northeast, northwest, and east-west strike directions.

I.P. Survey

A total of 9.3 line kilometers of induced polarization survey were run. This technique involves supplying an electrical charge into the ground for a short period of time, and then measuring the current at electrodes situated over an area of prospective geology. The strength of voltage and the time period over which the voltage decays is measured at the electrodes. Data regarding the resistivity and chargeability of the rocks over which the survey is run can be interpreted to indicate the relative amount of conductive (sulphide) and nonconductive (silica) minerals present.

The lines were oriented east-west, and were spaced 200m to 250m apart north-south. The survey was contracted by Scott Geophysics Ltd. of Vancouver, B.C. A Scintrex IPR12 time domain reciever and a Scintrex IPC7 transmitter were used. A pole dipole electrode array was used, with readings taken at "a" spacings of 25 and 75 meters, and at "n" separations of 1 and 2. The current electrode was located to the west of the recieving electrodes of all survey lines. Readings were taken using a 2 second on/2 second off alternating square wave.

Significant variations in chargeability and resistivity are delineated in the I.P. data at the Eholt property. Two distinct domains of high chargeability are identified. One lies east of Eholt Mtn, and directly flanks a magnetic dipole delineated during the previous assessment program. The contact between these two features is interpreted to represent the transition between the oxide and sulphide facies of the hydrothermal system responsible for their emplacement. The chargeability feature is approximately 350m wide and 500m long; it is open to the north. Bedrock exposure over this anomaly is poor, though pyritic metavolcanics were mapped just south of the feature.

The second area of high chargeability is a NW-striking zone stretching from the southwest face of Pt. Eholt to the Dead Honda showing. This feature is approximately 1000m long and up to 400m wide. It is entirely unbounded on the west. It may partly be explained by the presence of mapped disseminated sulphides in altered sharpstone on the south face of Pt. Eholt, and the recorded presence of massive pyrrhotite at the Dead Honda showing. Left unexplained is the high chargeability identified over the several hundred meters between these two known points.

CONCLUSIONS

The data produced in this program have demonstrated the existance of a large mineralizing system on the Eholt property. This system is manifested by a broad area of irregular skarn alteration with associated (both apparent and inferred)

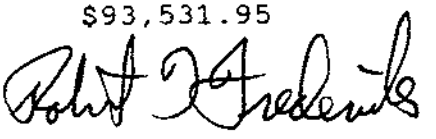
geophysical and geochemical anomalies. The property is underlain by stratigraphy that hosts large Cu-Au skarn deposits in the Phoenix-Greenwood Camp. Therefor, the property presents an excellent exploration target for discovery of a similar deposit. It warrents further, more extensive work.

RECOMMENDATIONS

The exploration program conducted on the Eholt property to date has identified several target areas within a large system of skarn alteration and mineralization. These targets include the Dead Honda, Eholt Mtn, and Brown Cr showings. These targets should be tested by a combination of trenching and drilling. Another larger target area is represented by the chargeability and magnetic high anomalies located southeast of Eholt Mtn. This area is extensively covered by colluvium and Tertiary volcanics; drilling is most appropriate to test them.

STATEMENT OF COSTS

Salaries		$46,880.70
Contractors		12,510.95
Room and Board		4,419.91
Vehicles/Transportation		2,232.58
Assays		14,350.00
Geophysical		5,188.54
Field Supplies		6,549.20
Computer/Drafting		1,400.07
	TOTAL	$93,531.95



STATEMENT OF QUALIFICATIONS

I, Ian Thomson of 1628 West 66 Avenue, Vancouver, British Columbia, V6P 2S2, do hereby certify that:

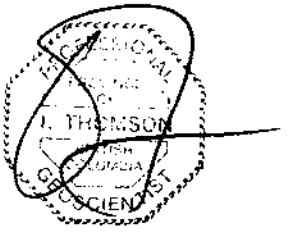
1. I am a graduate (1967) of the University of London, England, with a Bachelor of Science degree in Geology and a graduate (1971) of the University of London, England, with a Doctor of Philosophy degree in Applied Geochemistry.

2. I am a registered Professional Geoscientist in the Province of British Columbia.

3. I have been continuously employed as a geologist-geochemist involved with mineral exploration for 21 years.

4. I hold the position of Chief Geologist with Orvana Minerals Corp.

5. This report is based on information obtained by myself and others working under my guidance on the Eholt Property during the period March - October, 1992, and from analytical data obtained from commercial laboratories.



Ian Thomson, B.Sc., Ph.D., P.Geo.

STATEMENT OF QUALIFICATIONS

I, Robert T. Fredericks, of Moscow, Idaho, U.S.A., certify that:

1. I am a geologist employed by Orvana Minerals Corporation, 710 - 1177 West Hastings Street, Vancouver, B.C., V6E 2K3, at their offices located at 1755 Silver Beach Rd, Coeur d'Alene, Idaho 83814 U.S.A.

2. I am a graduate (1986) of the University of Idaho, Moscow, Idaho, and hold a B.Sc. degree in Geology.

3. I have been practicing my profession for the past six years.

4. I am registered as a Geologist in Training (GIT) with the Idaho State Board of Registration for Professional Geologists.

5. This report is based on information that I and others under my supervision obtained while on the Eholt property during the period March - October, 1992.

Robert T. Fredericks
Geologist, Orvana Minerals Corporation.

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McLeod, J.W., 1991, Report on the Eholt Property, Unpublished Report on behalf of Golden Kootenay Resources, Inc.

APPENDIX 1

Rock Sample Descriptions

ORVANA

Orvana Resources Corp.
2005 Ironwood Parkway
Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE July 12, 1992

№ 19927 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 825N 10080E
bank at 15' shaft & bx below

KIND OF SAMPLE grab chip 3 mg

DESCRIPTION Sharpstone - calcite
Dll grey-green-brown. Clasts
are small (pebble). Tr - 1%
dissem v.f.g. py, tr fy.
Weakly magnetic.

Au	Ag
63	0.5

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2005 Ironwood Parkway
Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE July 12, 1992

№ 19928 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 825N 10065E
10' shaft

KIND OF SAMPLE Grab

DESCRIPTION Sharpstone, altered
greenish (dk) matrix, clasts
less altered; to 1cm diam.
1 - 1% dissem & stringers of
py, tr fy on fx. Fy shw?
Bedding @ 355° 50° SW.
Petrography sx. EP #1

Au	Ag
59	0.4

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DATE July 12, 1992

№ 19929 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 540N 10460E
15 ft deep shaft

KIND OF SAMPLE dump, character

DESCRIPTION Limestone, pale tan
to grey, recrystallized
(fine - med. grained). Tr
very disseminations of
fg cubic pyrite.

Au	Ag
45	0.3

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2005 Ironwood Parkway
Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE 7-12-92

№ 20206 SAMPLED BY DFA

OWNER OR CLAIM EHOLT

LOCATION 8160N 10420E

KIND OF SAMPLE Grab (small pit)

DESCRIPTION Lt grey - reddish brn
Fine grained qtz-rich (cherty?)
skarn? 70-80% silica, 5-10%
calcite 10-15% garnet (v.f.g.)
1-3% py tr mgnt. Possible
bedrock from shallow pit.
Occasional v.f.g. chl 2-3%

Au	Ag	As
18ppb	0.3ppm	290ppm

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DATE 7-12-92

№ 20207 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION same as 20206

KIND OF SAMPLE Grab small pit

DESCRIPTION Lt grn fine grained
qtz-rich skarn?. Abundant xcutting
qtz veins w 2-3% py & po. Some
blocky fragments w v.f.g chl.
Possible silic vole of tuff.
70-80% qtz; 10-15% chl 3-5% epd
2-3% fy + po. (Possible bedrock)

Au	Ag
54ppb	0.3ppm

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DATE 7-12-92

№ 20208 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION same as 20206

KIND OF SAMPLE Grab small pit

DESCRIPTION Lt grey - reddish brn
fine grained qtz-rich (cherty)
rock; subtle breccia texture.
70-80% qtz, 10-15% garnet, 3-5%
py (dissem + along fxs veins.) w
some x-cutting qtz veins.
Possible bedrock from shallow pit.

Au	Ag
10ppb	0.2ppm

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Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE 7/2/91

№ 19083 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Structure out in Eholt #4 (SE cor.) @ shallow shaft on E side old road

KIND OF SAMPLE dump char.

DESCRIPTION Altered intrusive w/ qtz stringers. Varies fm lt. yellow to dk red/brn w/ lots of FeOx. Qtz is full of casts after py. Some weathered py remaining. close to "lake of acid".

Au	Ag
2266 ppb	23 ppm

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(208) 667-6000

DATE 7/2/91

№ 19084 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Main workings @ end of road on N. Eholt, by junk cars

KIND OF SAMPLE dump char

DESCRIPTION Skarn - dk green and brown, looks like f.g. pyx + minor garnet. Calcite veinlets. Cpy of massive po, minor blebs + stringers of py and cpy. Stg FeOx coating.

Au	Ag	Cu	As
131	4.1	3814	160

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DATE 7/2/91

№ 19085 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #84, @ end of recent road by filled shaft

KIND OF SAMPLE dump char.

DESCRIPTION Skarn. Mostly dk green pyx or amph., w minor calcite. Has heavy pyrrhotite replacement, up to 40%, has grainy look - could be endoskarn.

Au	Ag	Cu	As	Co
74	1.9	1897	300	240 ppm

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DATE 7/2/91

№ 19086 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #84, @ 20' shaft by large stump.

KIND OF SAMPLE dump char.

DESCRIPTION Skarn. Mostly dk green pyx, w/ ± 10% red rhodon garnet, and minor calc. Tr-3% sulphides, cpy > py > po. Also minor white qtz-(veinlet?).

Au	Ag	Cu	As	Co
5072	6.6	2053	197	156

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DATE 7/2/91

№ 19087 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #86, but @ bottom of shaft on E side

KIND OF SAMPLE 15" vert chip

DESCRIPTION Pyritic gouge from shear @ 360°, 40° E. Only part of shear is pyritic; rock is very strong FeOx + some calcite. Material is rotten but green where fresh - skarn? Py is also crumbly.

Au	Ag	Cu	As
1084	7.8	3455	342

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DATE 7/2/91

№ 19088 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #87

KIND OF SAMPLE grab over 4 walls

DESCRIPTION Skarn - mostly dk green f.g. amph or pyx, minor garnet and calcite. Tr cpy and py + tr malachite. Very stg dk org/brn pervasive FeOx.

Au	Ag	Cu
5795	9.9	3105

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DATE 7/2/91

№ 19089 SAMPLED BY RTF

OWNER OR CLAIM Eholt (Pt)

LOCATION Shaft 120 ft N of wrecked cars in main workings area

KIND OF SAMPLE dump chan.

DESCRIPTION Pyrrhotite in dk green pyx/amph skarn. Po ranges 5-25%, is mod. magnetic. Also some pyrite and late crosscutting qtz veinlets.

Au	Ag	Cu	As	Co
2171	2.8	2295	244	174

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DATE 7/2/91

№ 19090 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Up near top of Eholt mtn N of Brown Cr Rd, old trench by d.

KIND OF SAMPLE 5 ft horiz chip

DESCRIPTION Gossan. Fem zone ≈ 10 ft wide containing some rnds of unaltered dk green Eg. rock - amph/pyx skarn? Or dacitic volcanic? Some reddish py oxing out in places. Very stg FeOx.

Au	Ag	Cu	As
269	4.3	536	263

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DATE 7/2/91

№ 19091 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #90

KIND OF SAMPLE 7 ech rubble chan.

DESCRIPTION High grade massive sulphide in dk green amph/pyx skarn? Contains lots of calcite. *Occasional white grey qtz stringers that look epithermal. Up to 50% po, minor py, tr cpy.

Au	Ag	Cu	As	Co
255	6.3	1717	208	137

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DATE 7/2/91

№ 19092 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as 90, 91

KIND OF SAMPLE dump chan.

DESCRIPTION Massive sulphide w/ stg pyrite component. Blebs of c.g. py up to 1 cm diam, ≈ 5-15%, in pyrrhotite and dk green skarn matrix. Not a lot of this on dump.

Au	Ag	Cu	As	Co
274	3.7	1437	278	165

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DATE 7/2/91

№ 19093 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Prospect pit 200 ft up mtn Eholt rd from #92, close to top

KIND OF SAMPLE grab

DESCRIPTION Skarn. Irregular amph/pyx w/ minor garnet, seems to have a lot of qtz in matrix - looks like siliceous tuff? w/ some skarn. Stg FeOx, minor py and po. MnOx stain comm.

Au	Ag	Cu
864	6.3	1119

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DATE 7/2/91

№ 19094 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #93

KIND OF SAMPLE horiz chip over 15"

DESCRIPTION Sheared up skarnish rock like that sampled #93. Very stg FeOx in shear, gossanous in places. Shear oriented @ 160°, 75°SE. Tr py, cpy, malachite, + soft dk grey rectangular cubic mineral - galena?, bi?

Au	Ag	Cu
242	12	3412

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DATE 7/2/91

№ 19095 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #93, 94

KIND OF SAMPLE dump character

DESCRIPTION Skarn – lt grey calcite radial sprays of hollasbnite (25%) Minor scattered m.g. diopside and garnet crystals in calcite/hollasbnite groundmass. Tr py.

Au	Ag
9	6

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DATE 7/2/91

№ 19096 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Up road ± 100 yds from #95, on NE side of rd just below

KIND OF SAMPLE 2 ft horiz chip

DESCRIPTION Massive granular pyrite, med – coarse-grained. Occurs as pod in very limy skarn, discontinuous over 5 ft × 3 ft area in old prospect pit wall.

Au	Ag	Cu	As	Co	W
353	4.3	471	437	149	481ppm

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DATE 7/2/91

№ 19097 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #96

KIND OF SAMPLE dump character

DESCRIPTION Massive sulphide, matrix is dk green – pyx or amph? Granular ± 50% of rock. 40% pyrrhotite, mod. magnetic ± 5% c.g. pyrite, tr chalcopyrite.

Au	Ag	Cu	As	Co	W
472	4.3	1080	1702	108	575

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DATE 4/27/92

№ 19611 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 11120E 9290N prospect pit

KIND OF SAMPLE grab.

DESCRIPTION Metavolcanic – altered + siliceous, tan to mottled black + grey. Fragmental, some frags cherty, matrix lay lots (40%) of f.g. black amphibole. 1–3% py as f.g. dissem + clots to 4mm.

Au	Ag	As
30ppb	0.4ppm	120ppm

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DATE 4/28/92

№ 19612 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 11150E 9100N 6' deep shaft

KIND OF SAMPLE 5 ft vert. chip

DESCRIPTION Metavolcanic. Med – dk greenish grey. Fragmental to massive. Minor plag. ghosts v.i.b.e. Tr – 5% v.f.g. black radial acicular crystals – amphibole or tourmaline? 5% dk org/brn FeOx on fr. Tr – 5% dissem py.

Au	Ag
28	0.5

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DATE 4/28/92

№ 19613 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10840E 10020N 8' adit @ 300° az

KIND OF SAMPLE grab over 4 ft

DESCRIPTION Conglomerate. Altered + strongly stained w/ dk org/brn FeOx. Clasts appear to range from cherty to metavolcanic. Color is mod grey-ish green. Tr – 2% m.g. py as dissem + clots. Weak shear @ 010°, 70°SE

Au	Ag	As	Cu
107	1.0	66	32ppm

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DATE 4/28/92

№ 19614 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10830E 10020N
20' deep shaft, ridge crest

KIND OF SAMPLE dump grab

DESCRIPTION Fanglomerate, clasts look like f.g. igneous rocks — metavolcanics. Tr-3% disem + clots of pyrite. Strong red-dk org/brn FeOx.

Au	Ag	As	Co		
EE	0.7	93	30		

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DATE 4/28/92

№ 19615 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10920E 10640N
8' adit @ 180°

KIND OF SAMPLE grab from back ribs

DESCRIPTION Brecciated metavolcanic. Bss. by fanglomerate, clasts & matrix all look metavolcanic. In contact w/ fine-grained igneous, pale tan/sh green rock - dike? @ 070°, 65° NE. Tr-2% py as disem. & clots in both rock types.

Au	Ag	As			
31	0.4	100			

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DATE 4/28/92

№ 19616 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10960E 10635N
20' trench

KIND OF SAMPLE grab

DESCRIPTION Metavolcanic breccia. Homolithic; clasts + matrix similar, med.-dk green color. Stg. FeOx; 1-3% clots of pyrite.

Au	Ag	As			
38	0.3	72			

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DATE 4/28/92

№ 19617 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10730E 10110N
From root throw

KIND OF SAMPLE grab

DESCRIPTION Metavolcanic. Pale-med. grey green massive to fragmental. Tr disseminated fine to med.-grained pyrite.

Au	Ag	As			
23 ppb	0.2 ppm	79 ppm			

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DATE 4/28/92

№ 19618 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION 10710E 9890N

KIND OF SAMPLE grab from rubble

DESCRIPTION Pyroxene skarn - volcanic protolith. Vuggy & oxidized. Some calcite. Tr-5% py > po as clots & disem. From rubble on surface 5-1 deep red/brown in area.

Au	Ag	As			
33	0.6	63			

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DATE 4/29/92

№ 19619 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION 10600E 9700N, base of bluff

KIND OF SAMPLE 1m dip

DESCRIPTION Skarny metavolcanic breccia. Med green, fragmental. Has disem. f.g. garnet & epidote. Taken across footwall of (± 20%) marginal pegl. dike. Nt sulphides.

Au	Ag				
482 ppb	0.2 ppm				

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DATE 4/29/92

№ 19620 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10560E 9735N

KIND OF SAMPLE grab over 3 m

DESCRIPTION Metavolcanic, red-dk green, fragmental lots of phe phenos, tr-2% disem f.g. pyrite.

Au	Ag
14	03

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DATE 4/29/92

№ 19621 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10385E 9405N on ridge crest

KIND OF SAMPLE grab over 1m

DESCRIPTION Skarn altered sharpstone. Mottled pale greenish grey w/ tan clasts, very hard & siliceous. Green may be v.f.g. pyx? Tr py dots.

Au	Ag
20	0.4

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DATE 4/29/92

№ 19622 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10400E 9315N

KIND OF SAMPLE grab over 1m²

DESCRIPTION Skarny sharpstone. Fragmental, mottled pale tannish grey w/ green specks. Vuggy FeOx spots. Mod-stg red-lt org/brn FeOx stain. Tr clots of py. Very hard rock.

Au	Ag
<5	0.3

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DATE 5/6/92

№ 19623 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION grid 10190E 9490N

KIND OF SAMPLE grab

DESCRIPTION Biotite hornfels, Dk brown color, minor pale grey laminae. Minor 1cm clots of fibrous dk green amphibole. Tr dots py + cpy.

Au	Ag	Bi
<5	0.2	26ppm

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DATE 5/6/92

№ 19624 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10180E 10,590N

KIND OF SAMPLE grab

DESCRIPTION Metavolcanic sediment? Red-pale greyish green, f.g., dense rock. No crystals v.i.b.le. Some mottled, sharpstn clasts? Small seams of calcite rimmed w/ maroon hematite. Calcareous matrix. Tr py strings.

Au	Ag
10ppb	0.3ppm

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DATE 5/6/92

№ 19625 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10160E 10720N

KIND OF SAMPLE float

DESCRIPTION Metavolcanic breccia. Mottled - matrix dk greenish grey, subangular clasts (40%) 0.2-5cm are light grey. Matrix strongly magnetic - f.g. magnetite. Only 1 boulder.

Au	Ag	As	W
<5	0.5	59ppm	45ppm

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DATE 5/6/92

№ 19626 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10040E 10610N east side of knob.

KIND OF SAMPLE grab

DESCRIPTION Metavolcanic, altered partly to skarn. Dissem f.g. pale brown garnets, and along fractures. Rock is red grey-green speckled. Magnetite along fx. Tr-4% specularite as m.g. dissem + on fx.

Au	Ag
9	0.1

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DATE 5/6/92

№ 19627 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10090E 10420N

KIND OF SAMPLE grab over 5m x 5m

DESCRIPTION Altered metavolcanic Dk forest green color, some w/ brown spots (garnet), Some blotchy green-pyx? Abs. some epidote blotches, Tr dissem f.g. py.

Au	Ag
17	0.5

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DATE 5/7/92

№ 19628 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10880E 8860N, 10 ft shaft

KIND OF SAMPLE dump characte

DESCRIPTION Altered dk green dense crystalline metavolcanic. Stringers / fx w/ selvages of epidote, calcite, & minor red-brn garnet ¼-2cm wide. Some coated w/ qtz. Tr py as dissem along selages + as stringers <.5mm wide. Possibly thin I.S. beds? Maroon hematite.

Au	Ag
12 ppb	0.2 ppm

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DATE 5/7/92

№ 19629 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10900E 9015N 15 ft deep shaft

KIND OF SAMPLE dump character

DESCRIPTION Marble. Fine-med grained, light tan to grey, fairly massive but w/ minor selvages along fx of epidote. Few pieces have m.g. py suffered thru matrix near fx.

Au	Ag
9 ppb	0.2 ppm

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DATE 5/7/92

№ 19630 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10900E 9015N Same as #629

KIND OF SAMPLE dump character

DESCRIPTION Hematite-rich marble & skarn altered metavolcanic? Epidote in groundmass, Hematite is dk maroon, is disseminated in both rocks, crudely banded in marble. No sulfides. Not magnetic.

Au	Ag	As
6	0.1	54 ppm

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DATE 5/7/92

№ 19631 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #630

KIND OF SAMPLE dump character

DESCRIPTION Skarn - green & maroon rock, weakly banded, f.g. Brown garnet x 30% green pyx = 40%, 15% epidote. Blebs of mt mostly w/ qt, tr-3%. Dissem blebs py mostly w/ pyx tr-1%. Abs common maroon hematite

Au	Ag
<5	0.1

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DATE 5/7/92

№ 19632 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION same as #631

KIND OF SAMPLE dump character

DESCRIPTION Pyroxene skarn altered metavolcanic. Pale green & brown dot mottled, a few vague crystal ghosts. Sm distinct pyx selvages along fx. Tr disem f.g. po, and stringers of py (tr). No limonite.

Au	Ag
<5	0.2

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DATE 5/7/92

№ 19633 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10900E 9060N above small prospect

KIND OF SAMPLE grab

DESCRIPTION Jasperoid. red, brown to grey, granular, silicified marble. Very vuggy & cracked w/ vugs all lined w/ f.g. qtz druse. No sulphides wk-stg. ogl in FeOx skin.

Au	Ag
5	<0.1

ORVANA

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2005 Ironwood Parkway
Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE 5/7/92

№ 19634 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION 10870E 9000N western prospect pit N side

KIND OF SAMPLE 2 ft 3' chips

DESCRIPTION Gossanous zone 2-3 ft wide along contact between pyx-altered metavolcanic footwall & f.g. marble in hangwall. Contact @ 030°, 30° NW. Strong earthy & goethitic org + red/brn FeOx.

Au	Ag	Cu	As	Co	W
176ppb	17ppm	270ppm	370ppm	64ppm	170ppm

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DATE 5/7/92

№ 19635 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10870E 9060N eastern prospect pit, east wall.

KIND OF SAMPLE 1m horiz chip

DESCRIPTION Skarn & recrystallized f.g. limestone. Very fine-grained brown garnet 40-60%, some dk green mineral (chlorite) & calcite. Common maroon hematite stains. Minor blue-white chalcedony veinlets. Tr py in gt + green mineral both. not magnetic.

Au	Ag	As
8ppb	0.2ppm	57ppm

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DATE 5/7/92

№ 19636 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION same as #635 taken south of #635

KIND OF SAMPLE 1.5m chip (horizontal)

DESCRIPTION Pale green, semi-soft altered metavolcanic. Vague crystal ghosts. Minor calcite veinlets. Tr disem f.g. py. Chloritized?

Au	Ag
<5	0.2

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DATE 5/7/92

№ 19637 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10800E 8835N, dump from 30 ft deep shaft

KIND OF SAMPLE dump character

DESCRIPTION Pyrite Massive, granular, has some garnet skarn in groundmass. Med - coarse-grained.

I avoided magnetite in this SX. Lots of py on dump, but most is w/ magnetite; little pure stuff.

Au	Ag	Cu	As	Co	W
180	19	2800	320	110	100

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DATE 5/7/92

№ 19638 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION same as #637

KIND OF SAMPLE dump charater

DESCRIPTION Massive magnetite. Fine-grained, fair bit (5-25%) of v.f.g. garnet in groundmass. Tr-10% pyrite blebs + stringers. Also clots of dk green mineral. Common on dump.

Au	Ag	As	W
35 ppb	2.9 ppm	220 ppm	90 ppm

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DATE 5/7/92

№ 19639 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION same as #638, 37

KIND OF SAMPLE dump charater

DESCRIPTION Recrystallized pale grey limestone / f.g. marble w/ bands + stringers of garnet + minor pyroxene? alteration totaling ± 20% of rock. No mt or sulphides. Common on dump.

Au	Ag
<5	0.2

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DATE 5/7/92

№ 19640 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10810E 8820N 7 ft shaft 10m SE of 30 ft shaft

KIND OF SAMPLE dump charater

DESCRIPTION Garnet skarn w/ 20% calcite, 10% epidote. Garnet is dull brown. Tr-5% blebs chalcopyrite; malachite stains common. Minor pyrite + magnetite. Not real common on dump.

Au	Ag	Zn	Cu	As
56 ppb	0.8 oz/t	1000 ppm	1.87%	73 ppm

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DATE 5/7/92

№ 19641 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10700E 8850N ditch on S side Barn C Rd 20m past cow yard

KIND OF SAMPLE chip over 5 ft

DESCRIPTION Hornfels - Brooklyn f.g. clastics; siltstone + quartzite, Dk green + grey, some biotite hornfels X-cut by pyroxene selages. Minor brown garnet. Tr-1% dissem f.g. py.

Au	Ag
<5 ppb	0.4 ppm

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DATE 5/8/92

№ 19642 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10960E 9200N prospect pit

KIND OF SAMPLE grab / charater

DESCRIPTION Metavolcanic, probably fragmental, crumbly. Dk-red. grey, speckled faintly green. No obvious fragmental component. Tr-1% dissem m.g. blebs of pyrite.

Au	Ag
17	0.4

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DATE 5/8/92

№ 19643 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10960E 9220N prospect pit dump

KIND OF SAMPLE dump

DESCRIPTION Shapstone conglomerate w/ metavolcanic matrix. 10-20% pebbles of brown + tan siltstone in dk green crystal-bearing matrix. Some bleaching + alteration (hard) 2-5% dissem blebs + bands of py >> po. Tr dissem garnet (from honey) 5% epidote

Au	Ag	As
20	.5	55 ppm

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DATE 5/8/92

№ 19644 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10960E 9370N
prospect pit

KIND OF SAMPLE grab

DESCRIPTION Silt bx to #643; red/dk greenish grey dense fg. matrix. 5-10% pebbly of siltstone. Incipient bxization of chalts + small (1-3mm) rounded zones in matrix. 5% disem anhedral blebs of py. No calcsilicates seen.

Au	Ag
6	0.3

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DATE 5/8/92

№ 19645 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10620E 9160N
upper dg

KIND OF SAMPLE chan der

DESCRIPTION Metasiltstone, mostly dk mottled greyish green, some chalcstone conglomeratic texture. Hard, hornfelsed, 1% reddish brn garnet in vague stringers. Abs of felsic. Minor volcanic (tuff?) component. Tr disem py.

Au	Ag
10	0.4

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(208) 667-6000

DATE 5/8/92

№ 19646 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION 0.5 mi S Eholt Rd from Brn Cr Rd (0.6 from railroad, 0.7 mi from Hwy 3).

KIND OF SAMPLE grab

DESCRIPTION Sharpstone breccia. Composed mostly of chert + qvartz sand. Mottled med brown + grey. Minor f.g. white marble clasts. Very pyrrhotite-rich (2-5%), disem, fg. Tr pyrite.

Au	Ag
23ppb	0.8ppm

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(208) 667-6000

DATE 5/8/92

№ 19647 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #646; 10m up road

KIND OF SAMPLE grab

DESCRIPTION Tuffaceous sandstone, f.g., pale grey to green. Some looks metavolcanic. Tr v.fg. disem po. Very stg red. cg/bx FeOx stain over 10m.

Au	Ag
15ppb	0.7ppm

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Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE 5/9/92

№ 19648 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 9950E 10600N
top of knob, W side

KIND OF SAMPLE grab over 3m

DESCRIPTION Skarn. Metavolcanic rock, dk green to brown, fragmental to massive. Disem. to massive reddish brown garnet containing minor magnetite. Some f.g. qtzite (white) pebbles. Common purple hematite

Au	Ag
20	0.1

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DATE 5/9/92

№ 19649 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10000E 10530N
trench

KIND OF SAMPLE grab

DESCRIPTION Skarn. Mostly (60%) dk red-brown garnet massive to heavily disseminated. Some dk green groundmass. Minor magnetite (1-2%). Tr pyrite blebs. 4m wide trench thru this.

Au	Ag
<5	0.2

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DATE 5/9/92

№ 19650 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10020E 10460N

KIND OF SAMPLE dump & prospect

DESCRIPTION Skarn - 30% dk red brn garnet, often as clots, 20% pale green pyroxene, the rest is dk green groundmass - possible amphibole? Tr-2% f.g. py as dissem, clot zones, + thin stringers. more py/po than showing on outcrop

Au	Ag		W
11ppb	0.6ppm	51ppm	4kppm

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(208) 667-6000

DATE 4-25-92

№ 19880 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION 10800E 9310N

KIND OF SAMPLE Chip 2'

DESCRIPTION Gray-Green Fine grained meta-volc Rx w 5-10% hbl phenos (Radial) and 5-7% py + 1-2% py in a aphanitic matrix. sample collect across small shear.

Au	Ag
<5ppb	0.2ppm

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(208) 667-6000

DATE 4-25-92

№ 19881 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION 10800E 9305N

KIND OF SAMPLE chip

DESCRIPTION Qtz-rich vein (5cm) material with 5-7% chalcopyrite to subhedral py. Vein x-cuts meta volc and trends NNW + near vertical.

Au	Ag
<5	0.1

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DATE 5-6-92

№ 19882 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION 10315E 9750N

KIND OF SAMPLE Grab

DESCRIPTION Light Gray-green partly calcareous meta-volcanic (fractured) rock. Fairly fine grained - somewhat sheared. Possibly along s. contact of Syenite porphyry. - 1-2% dissem py

Au	Ag
5	0.3

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DATE 5-7-92

№ 19883 SAMPLED BY DFA

OWNER OR CLAIM Eholt

LOCATION 9955E 8040N (south grid)

KIND OF SAMPLE Grab - Rx

DESCRIPTION Lt-gray-green medium grained equigranular monzonite - 50-60% Feld w 25-30% bio + hbl + 2-3% magnetite; 3-5% FeOx possibly fr. sulfides

Au	Ag	Bi
<5	0.1	44ppm

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DATE 5-8-92

№ 19884 SAMPLED BY DFA

OWNER OR CLAIM EHOLT

LOCATION 7910N 10350E

KIND OF SAMPLE Grab trench

DESCRIPTION Tan-buff Qtz-rich meta volcanic w alternating bands of calcite, specularite, (garnet bands) and some dissem py + po (1-2%) From an old cat-cut trench 2-3m deep 30m long + E-W orientation.

Au	Ag
<5ppb	0.4ppm

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DATE 5-8-92

№ 19885 SAMPLED BY DFA

OWNER OR CLAIM EHOLT

LOCATION 7900N 10300E

KIND OF SAMPLE Grab - Trench

DESCRIPTION Lt-med gray skarn banded with contorted layers of garnet-pyx-calc+qtz. 2-3% disem py+po. From trenches just S. of 7920N Line between 1026E + 1030E.

Au	Ag	As
<5	0.1	62ppm

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DATE 5-10-92

№ 19886 SAMPLED BY DFA

OWNER OR CLAIM EHOLT

LOCATION 7926N 9820E

KIND OF SAMPLE Grab - rd cut

DESCRIPTION Lt-med gray-green qtz-rich conglomerate (skarn?) chert+qtzite pebbles <2.0cm in a qtz chl-epd matrix with 3-5% py+po (mostly po) Abundant FeOx along Fx.

Au	Ag
<5	0.5

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Coeur d'Alene, Idaho 83814
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DATE 5/9/92

№ 19901 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10090E 10325N @ large prospect pit

KIND OF SAMPLE 2 ft grab

DESCRIPTION Massive crumbly sulphide. From zone 1½ ft wide @ 345° 50°SW. Mostly crumbly pyrite, also ≈ 10% magnesite + 20% altered rock in matrix.

Au	Ag	Zn	Cu	As
454ppb	5.2ppm	12000ppm	1180ppm	480ppm

Co = 1105ppm W = 170ppm

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DATE 5/9/92

№ 19902 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Same as #901

KIND OF SAMPLE 2 m chip

DESCRIPTION Metavolcanic - hanging + footwalls to sulfide zone. Med - dk grnish green, mostly massive, minor clastic texture. FeOx stain below sulfide layer.

Au	Ag	As
7	0.4	62ppm

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Coeur d'Alene, Idaho 83814
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DATE 5/10/92

№ 19903 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 10030E 10030N base of old cat trench

KIND OF SAMPLE 2m horiz chip

DESCRIPTION Altered intrusive - Syenite? Med-grained, weakly porphyritic, pale greenish to tannish grey. 10% altered f.g. mafics. General, dense, but scattered. 1-4% f.g. disem blebs of po. Tr py on fx <.5mm wide.

Au	Ag
6	0.2

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Coeur d'Alene, Idaho 83814
(208) 667-6000

DATE 5/11/92

№ 19904 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Appx 100m E on railroad from Eholt Rd north side

KIND OF SAMPLE Chanter

DESCRIPTION Metavolcanic. Dense, dk green, crystalline, massive. Tr disem blebs of v.f.g. - m.g cpy; also minor stringers. Possibly related to fracture @ 070°, 90°. Mod magnetic. Ab. tr po. Only in narrow (.5m) zone.

Au	Ag
17	1.1

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Coeur d'Alene, Idaho 83814
(208; 667-6000

DATE 5/11/92

№ 19905 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Old shaft dump just inside woods S of Hwy 3 near bottom of PK grade

KIND OF SAMPLE dump character

DESCRIPTION Biotite hornfels. red, brown color, blotchy siltstone, w/ greenish un-biotized areas. Trace disem f.g. pyrite, minor cloudy grey c.g calcite. Shaft caved - 20 ft.

Au	Ag
<5 ppb	0.1 ppm

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(208; 667-6000

DATE July 11, 1992

№ 19922 SAMPLED BY RTF/IT

OWNER OR CLAIM Eholt

LOCATION Grid 10050E 10180N

KIND OF SAMPLE float from soil profile pit.

DESCRIPTION Massive magnetite. Coarse-grained, grainy. Common in float 1m deep. Red soil.

Au	Ag	Cu	As
1462 ppb	0.4 ppm	35 ppm	62 ppm

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(208; 667-6000

DATE July 11, 1992

№ 19923 SAMPLED BY RTF/IT

OWNER OR CLAIM Eholt

LOCATION Same as #19922

KIND OF SAMPLE float from pit, 1m deep

DESCRIPTION Gossan. Mostly grainy siliceous FeOx red-dk org/brn, w/ some dk green remnant silicate (px?). Some goethite fragments.

Au	Ag	Cu	As	Co
1242 ppb	1.2 ppm	640 ppm	45 ppm	30 ppm

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(208; 667-6000

DATE July 11, 1992

№ 19924 SAMPLED BY RTF/IT

OWNER OR CLAIM Eholt

LOCATION same as #922, 23

KIND OF SAMPLE soil profile pit 1m deep

DESCRIPTION Skarn. Mkd red-brown garnet & dk green diopside, fine-med. grained. Qtz/fsp & grainy, massive to banded. Tr disem f.g. py.

Au	Ag	Cu
1273	0.4	120

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DATE July 12, 1992

№ 19925 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Soil profile pit in old cat trench, 7900N 10320E

KIND OF SAMPLE float

DESCRIPTION Skarn altered sharpstone. Matrix has pervasive stg, fg. green mineral - chlorite? pyroxene? Glassy to grainy: clasts not alt. Tr - 1% blebs py (tr cpy?).

Au	Ag	Cu
98	1.0	1400

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(208) 667-6000

DATE July 12, 1992

№ 19926 SAMPLED BY RTF

OWNER OR CLAIM Eholt

LOCATION Grid 8275N 10040E caved adit

KIND OF SAMPLE dump character

DESCRIPTION Sharpstone. Siliceous hornfelsed, w/ green matrix. Tr - 1% disem & blebs of py, also clots in matrix. Minor calcite. Weakly magnetic.

Au	Ag
61	0.4

APPENDIX 2

Rock Sample Results

SILVER VALLEY LABORATORIES, INC.
~~P.O.~~ Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES - PAUL DIRCKSEN
2005 IRONWOOD PARKWAY, #222
COEUR D ALENE, ID 83814
ATTN: PAUL DIRCKSEN
RE: SKARN PACKAGE

OR-2

JULY 19, 1991 X10R1102.187

TEST FOR:	Au	Ag	Pb	Zn	Cu	As	Co	Bi	Te	W	Ni
METHOD:	FA+AA	FA+AA	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP
USED:	-	-	-	-	-	-	-	-	-	-	-
RESULTS IN:	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14995	167	>25	3361	>10000	3294	531	12	<2	<5	292	64
14996	915	>25	>25000	>10000	>5000	133	9	401	<5	<10	115
14997	55	>25	16080	>10000	244	125	8	<2	<5	26	<5
14998	104	1.4	140	301	232	130	2	3	<5	<10	<5
14999	83	1.4	110	259	1206	341	192	9	<5	1071	25
15000	4011	.8	18	43	57	21	3	17	7	<10	<5
18949	<5	.8	<5	104	62	23	38	<2	<5	<10	319
18950	10	.8	<5	44	36	<5	5	<2	<5	<10	29
19051	401	1.2	6	106	108	<5	24	<2	<5	<10	<5
19052	29	3.0	<5	34	1114	62	22	<2	<5	<10	27
19053	12	1.6	8	39	465	125	54	<2	<5	15	7
19054	57	6.3	<5	61	3201	151	59	<2	<5	41	93
19055	17	8.3	22	127	1502	283	13	6	<5	88	<5
19056	8	.1	<5	39	79	91	18	<2	<5	<10	<5
19057	<5	.1	<5	10	14	<5	<1	<2	<5	<10	<5
19058	267	5.2	7	1	1472	254	92	<2	<5	<10	595
19059	15	1.8	<5	37	409	65	32	<2	<5	<10	11
19060	11	1.8	<5	68	725	115	46	<2	<5	<10	79
19061	<5	.1	<5	9	39	26	5	<2	<5	<10	<5
19062	390	2.7	30	30	1203	415	1639	9	<5	46	<5
19063	33	2.2	12	29	1599	157	36	<2	<5	17	12
19064	48	2.6	11	38	680	152	70	<2	<5	<10	<5
19065	22	.8	8	66	1041	202	102	<2	<5	28	108
19066	258	3.4	19	27	2700	311	161	<2	<5	<10	27
19067	239	4.2	24	29	1915	262	407	<2	<5	40	8
19068	<5	.1	<5	41	50	<5	18	<2	<5	<10	29
19069	37	.6	<5	4	489	57	31	<2	<5	21	55
19070	33	.3	<5	9	249	7	15	<2	<5	<10	<5
19071	435	2.4	7	8	369	52	26	<2	<5	12	14
19072	800	5.9	213	172	1221	377	21	4	<5	174	<5
19073	86	5.7	<5	91	4704	17	16	<2	<5	<10	<5
19074	833	6.9	38	<1	>5000	217	245	<2	17	523	203
19075	1523	21	56	65	>5000	546	662	<2	9	177	263
19076	19	.1	<5	10	53	11	9	<2	<5	<10	<5
19077	11	.1	<5	69	26	30	30	<2	<5	<10	16
19078	8442	7.3	51	215	>5000	356	92	<2	<5	274	474
19079	4167	9.4	19	111	>5000	300	236	<2	<5	55	144
19080	987	2.8	43	264	2121	277	87	32	<5	548	<5
19081	133	.2	<5	9	235	16	10	<2	<5	<10	16
19082	27	<.1	<5	11	53	<5	8	<2	<5	<10	<5
19083	2266	2.3	<5	3	50	52	14	8	<5	12	<5
19084	131	4.1	11	91	3814	160	76	<2	<5	<10	<5
19085	74	1.9	32	59	1897	300	240	4	<5	82	17
19086	5072	6.6	<5	67	2053	197	156	<2	<5	24	13
19087	1084	7.8	17	89	3455	342	96	5	<5	48	21
19088	5795	9.9	<5	96	3105	93	29	<2	<5	42	<5
19089	2171	2.8	13	29	2295	244	174	4	<5	40	27
19090	269	4.3	18	35	536	263	44	7	<5	88	<5
19091	255	6.3	13	32	1717	208	137	2	<5	65	27
19092	274	3.7	20	30	1437	278	165	10	<5	74	44

Eholt

R VALLEY LABORATORIES, INC.
Box 929 - One Gov't Gulch
.ogg, Idaho 83837
d) 784-1258

ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
ATTN: PAUL DIRCKSEN
RE: SKARN PKG.

.GUST 6, 1991 X10R1102.187

EST FOR:		Au	Ag	Pb	Zn	Cu	As	Co	Bi	Te	W	Ni
METHOD:		FA+AA	FA+AA	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP
USED:		-	-	-	-	-	-	-	-	-	-	-
RESULTS IN:		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19093	Ehalt	864	6.3	16	71	1119	45	14	6	<5	<10	6
19094		242	12	<5	91	3412	75	16	<2	<5	<10	9
19095		9	.6	<5	43	157	9	2	<2	<5	<10	<5
19096		353	4.3	38	29	471	437	149	12	<5	481	<5
19097	↓	472	4.3	219	29	1080	1702	108	10	<5	575	81
19098		1913	>25	22	208	>10000	301	33	15	<5	73	314
UNKNOWN #1		21	.5	<5	8	50	<5	4	<2	<5	<10	19

CHARGES $914.85

Wayne Sorensen, Manager

SILVER VALLEY LABORATORIES, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES - P.DIRCKSEN/R.FREDERICK
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
CC: PAN ORVANA RESOURCES - VANCOUVER,BC
RE: SKARN PACKAGE

DECEMBER 24, 1991 X10R1101.345

TEST FOR:	Au	Ag	Pb	Zn	Cu	As	Co	Bi
METHOD:	FA+AA	FA+AA	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP
USED:	-	-	-	-	-	-	-	-
RESULTS IN:	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19801	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19815	59	.2	6	19	41	16	5	<2
19816	39	.1	5	21	32	<5	5	2
19817	30	.1	9	30	41	<5	14	4
19803	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19804	82	>25	23881	>10000	73	177	10	3
19805	5	.6	83	178	56	30	27	<2
19806	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19807	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19808	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19809	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19604	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19605	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19570	<5	.9	61	101	32	284	9	5
19571	5	.2	15	40	24	77	3	4
19572	<5	.5	22	1329	251	99	29	5
19573	294	6.0	69	>10000	2295	41	67	22
19574	24	1.2	78	7147	363	35	13	22
19575	148	>25	48	481	>10000	18	6	5
19576 Eholt ↓	<5	.4	21	110	63	<5	5	6
19577	<5	.4	12	89	151	8	10	4
19606	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
19607	73	1.7	17	39	482	<5	27	<2
19608	6	.6	14	46	366	<5	21	3
19609	9	.2	<5	29	196	6	26	<2
19610	160	.4	12	26	326	6	36	<2
19822	<5	.1	10	42	34	11	18	<2
19823	<5	.3	10	45	63	<5	17	<2
19824	8	.2	7	58	21	32	18	<2
19825	5	.4	15	55	51	23	9	4
19826	7	.2	20	107	39	<5	15	<2
19827	11	.5	11	87	118	19	4	4
11966(EXTRA)	603	.4	13	55	102	7	15	3
19578(EXTRA)	16	.2	7	237	17	28	9	<2
19579(EXTRA)	1662	>25	220	>10000	5024	570	<1	65
19580(EXTRA)	<5	.2	7	421	25	<5	7	<2
19581(EXTRA)	37476	>25	276	1331	4474	1351	<1	23

Excellence Begins Here...

SILVER VALLEY LABORATORIES, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES - P.DIRCKSEN/R.FREDERIC
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
CC: PAN ORVANA RESOURCES - VANCOUVER,BC
RE: SKARN PACKAGE

DECEMBER 24, 1991 X10R1101.345

TEST FOR:	Te	W	Ni
METHOD:	ICAP	ICAP	ICAP
USED:	-	-	-
RESULTS IN:	ppm	ppm	ppm
19801	N/S	N/S	N/S
19815	<.3	<10	11
19816	<.3	<10	16
19817	<.3	<10	48
19803	N/S	N/S	N/S
19804	3	<10	45
19805	.4	<10	49
19806	N/S	N/S	N/S
19807	N/S	N/S	N/S
19808	N/S	N/S	N/S
19809	N/S	N/S	N/S
19604	N/S	N/S	N/S
19605	N/S	N/S	N/S
19570	<.3	10	94
19571	<.3	15	22
19572	.6	<10	20
19573	3	<10	64
19574	<.3	<10	10
19575	<.3	15	25
19576	<.3	<10	8
19577	.4	<10	12
19606	N/S	N/S	N/S
19607	.5	<10	143
19608	<.3	<10	20
19609	<.3	<10	33
19610	.7	<10	30
19822	<.3	<10	60
19823	<.3	<10	47
19824	<.3	<10	41
19825	<.3	<10	10
19826	<.3	<10	30
19827	.3	<10	<5
11966(EXTRA)	2	15	8
19578(EXTRA)	<.3	<10	24
19579(EXTRA)	4	<10	10
19580(EXTRA)	<.3	<10	108
19581(EXTRA)	2	<10	<5

CHARGES $449.40

Wayne Sorensen, Manager

Excellence Begins Here...

Eholt rock

SVL ANALYTICAL, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
ATTN: PAUL DIRCKSEN - R.FREDERICKSEN
RE: SKARN PACKAGE

RECEIVED
JUN 1 1992
GEOLOGY OFFICE

MAY 28, 1992 X20R1001.136

TEST FOR:	Au	Ag	Pb	Zn	Cu	As	Co	Bi
METHOD:	FA+AA	FA+AA	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP
USED:	-	-	-	-	-	-	-	-
RESULTS IN:	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19611 Eholt (all)	30	.4	190	150	21	120	19	<1
19612	28	.5	65	86	31	47	18	<1
19613	107	1.0	120	73	130	66	32	<1
19614	66	.7	210	94	110	93	30	<1
19615	31	.4	400	210	50	100	15	<1
19616	38	.3	140	140	41	72	8	<1
19617	23	.2	140	88	9	79	18	<1
19618	33	.6	98	53	190	63	13	<1
19619	482	.2	67	78	4	41	<2	<1
19620	14	.3	34	260	8	30	20	<1
19621	20	.4	41	26	40	23	7	<1
19622	<5	.3	66	50	40	38	10	<1
19623	<5	.2	28	69	110	28	21	2
19624	10	.3	15	89	120	35	12	<1
19625	<5	.5	37	110	140	59	10	<1
19626	9	.1	55	70	22	44	7	<1
19627	17	.5	15	89	5	34	5	<1
19628	12	.2	20	78	16	23	13	<1
19629	9	.2	16	120	18	13	<2	<1
19630	6	.1	<5	65	6	54	5	<1
19631	<5	.1	8	66	11	46	8	<1
19632	<5	.2	6	120	16	<10	15	<1
19633	5	<.1	41	62	38	18	<2	<1
19634	176	17	<5	200	2700	370	64	<1
19635	8	.2	19	100	29	57	7	<1
19636	<5	.2	9	100	48	<10	14	<1
19637	180	19	<5	160	2800	320	110	<1
19638	35	2.9	<5	520	430	220	26	<1
19639	<5	.2	12	330	30	24	<2	<1
19640	56	>25	<5	1000	>20000	73	14	<1
19641	<5	.4	12	78	110	18	8	<1
19642	17	.4	8	94	84	40	16	<1
19643	20	.5	29	43	43	55	23	<1
19644	6	.3	<5	44	32	23	16	<1
19645	10	.4	11	44	85	26	11	<1
19646	23	.8	16	35	29	21	10	<1
19647	15	.7	22	45	26	29	13	<1
19648	20	.1	44	82	27	35	5	<1
19649	<5	.2	13	72	49	42	9	<1
19650	11	.6	12	100	450	51	23	<1
19880	<5	.2	31	47	21	44	18	<1
19881	<5	.1	20	26	6	35	2	<1
19882	5	.3	25	80	29	41	16	<1
19883	<5	.1	10	61	18	<10	11	44
19884	<5	.4	30	50	130	18	5	10

Excellence Begins Here...

AVL ANALYTICAL, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
ATTN: PAUL DIRCKSEN - R.FREDERICKS
RE: SKARN PACKAGE

MAY 28, 1992 X20R1001.136

TEST FOR:	Au	Ag	Pb	Zn	Cu	As	Co	Bi
METHOD:	FA+AA	FA+AA	ICAP	ICAP	ICAP	ICAP	ICAP	ICAP
USED:	-	-	-	-	-	-	-	-
RESULTS IN:	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
19885	<5	.1	15	56	45	62	8	16
19886	<5	.5	17	53	130	33	22	<10
19901	454	5.2	10	12000	1100	480	110	<10
19902	7	.4	13	730	390	62	21	<10
19903	6	.2	<5	94	57	40	9	<10
19904	17	1.1	79	110	200	34	7	11
19905	<5	.1	17	78	39	23	19	24

SVL ANALYTICAL, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
ATTN: PAUL DIRCKSEN - R.FREDERICKS
RE: SKARN PACKAGE

MAY 28, 1992 X20R1001.136

TEST FOR:	W	Mo
METHOD:	ICAP	ICAP
USED:	-	-
RESULTS IN:	ppm	ppm
19611	18	<2
19612	31	<2
19613	28	<2
19614	30	<2
19615	<15	<2
19616	<15	<2
19617	<15	<2
19618	<15	<2
19619	<15	<2
19620	<15	<2
19621	<15	<2
19622	<15	<2
19623	35	<2
19624	36	<2
19625	45	<2
19626	24	<2
19627	23	<2
19628	22	<2
19629	<15	<2
19630	<15	<2
19631	<15	<2
19632	26	<2
19633	<15	<2
19634	170	<2
19635	15	<2
19636	<15	<2
19637	100	<2
19638	90	<2
19639	19	<2
19640	28	<2
19641	21	<2
19642	33	<2
19643	<15	<2
19644	<15	<2
19645	<15	<2
19646	18	<2
19647	35	<2
19648	<15	<2
19649	21	<2
19650	46	<2
19880	32	<2
19881	23	<2
19882	19	<2
19883	16	<2
19884	<15	<2

SVL ANALYTICAL, INC.
P.O. Box 929 - One Gov't Gulch
Kellogg, Idaho 83837
(208) 784-1258

ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE, ID 83814
ATTN: PAUL DIRCKSEN - R.FREDERICKS
RE: SKARN PACKAGE

MAY 28, 1992 X2OR1001.136

TEST FOR:	W	Mo
METHOD:	ICAP	ICAP
USED:	-	-
RESULTS IN:	ppm	ppm
19885	<15	<2
19886	<15	<2
19901	170	<2
19902	31	<2
19903	<15	<2
19904	18	<2
19905	42	<2

CHARGES $852.80

Wayne Sorensen, Manager

SVL ANALYTICAL, INC.
REPORT OF ANALYTICAL RESULTS

SVL Job Number :X20324
Sample Receipt : 7/21/92
Date of Report : 8/04/92
No. of Samples : 73 Rock

Client: PAUL DIRCKSEN
ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE ID 83814

RE: SKARN PACKAGE
NOTE: Fire assay value for sample 20153:
1.17 oz/t Ag

CLIENT SAMPLE ID	Test : Units : Method:	Au ppb FA+AA	Ag ppm FA+AA	Pb ppm ICP	Zn ppm ICP	Cu ppm ICP	As ppm ICP	Co ppm ICP	Bi ppm ICP
19922	Eholt	1402	.4	<5	69	35	62	17	<10
19923		1242	1.2	<5	62	640	45	30	<10
19924		1273	.4	<5	59	120	43	12	<10
19925		98	1.0	<5	43	1400	11	9	<10
19926		61	.4	<5	33	29	<10	12	<10
19927		63	.5	<5	21	47	11	15	11
19928		59	.4	<5	23	35	<10	15	<10
19929		45	.3	15	20	14	<10	5	<10
19930		142	3.3	<5	54	910	310	20	<10
19931		20	.1	<5	84	92	<10	5	<10
19932		101	6.9	<5	360	7000	<10	12	<10
19933		39	.3	<5	33	92	<10	7	<10
19934		47	1.1	<5	3500	1900	48	32	<10
19935		51	.2	<5	65	250	22	12	<10
19936		63	.7	<5	45	750	19	5	<10
19937		66	2.6	3300	>20000	56	<10	5	<10
19938		25	.7	<5	390	720	22	20	<10
19939		7	.3	17	300	420	<10	16	24
19940		749	22	<5	120	2200	180	45	<10
19941		56	1.6	<5	62	260	54	5	<10
19942		87	3.5	<5	150	7800	76	6	<10
19943		96	2.8	<5	140	4800	88	21	<10
19944		49	4.4	<5	170	11000	22	7	<10
19945		83	.5	<5	41	510	40	100	<10
19946		31	.2	20	28	70	42	<2	<10
19947		22	.3	<5	26	33	<10	3	<10
19948		17	.2	<5	79	83	<10	21	<10
19949		6	<.1	<5	43	57	<10	7	<10
19950		5	.2	<5	41	25	16	<2	<10
20101	Eholt	11	.3	7	74	39	<10	2	<10
20102		10	.3	<5	430	53	12	6	<10
20103		18	.5	8	46	68	56	5	<10
20104		20	.9	<5	81	67	<10	4	<10
20105		24	.8	<5	41	97	<10	3	<10
20106		18	.3	11	31	48	30	7	<10
20107		22	.3	6	81	54	16	5	<10
20108		<5	.1	<5	48	33	<10	5	<10
20109		<5	<.1	<5	22	20	<10	3	<10
20110		<5	.1	<5	21	6	<10	<2	<10
20111		12	1.0	54	70	60	47	<2	<10

SVL ANALYTICAL, INC.
REPORT OF ANALYTICAL RESULTS

SVL Job Number :X20324
Sample Receipt : 7/21/92
Date of Report : 8/04/92
No. of Samples : 73 Rock

Client: PAUL DIRCKSEN
ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE ID 83814

RE: SKARN PACKAGE
NOTE: Fire assay value for sample 20153:
1.17 oz/t Ag

CLIENT SAMPLE ID	Test : Units : Method:	Au ppb FA+AA	Ag ppm FA+AA	Pb ppm ICP	Zn ppm ICP	Cu ppm ICP	As ppm ICP	Co ppm ICP	Bi ppm ICP
20112		130	.1	<5	37	17	<10	4	<10
20113		51	1.0	<5	69	260	66	21	<10
20114		53	1.0	220	120	44	55	9	<10
20115		6	<.1	6	54	39	13	18	13
20116		7	<.1	<5	43	3	<10	3	<10
20117		13	.1	<5	20	29	39	3	<10
20118		8	.1	<5	29	25	25	3	<10
20119		10	.4	22	68	56	260	22	<10
20120		6	.2	5	120	58	<10	32	<10
20121		<5	.1	<5	41	6	<10	6	<10
20122		14	.1	<5	94	27	<10	13	<10
20123		<5	.2	<5	100	8	<10	14	<10
20124		<5	<.1	<5	46	8	<10	7	<10
20125		<5	<.1	<5	14	16	<10	3	<10
20126		22	.4	<5	40	340	13	22	20
20127		49	.3	<5	29	88	13	54	<10
20128		61	.4	<5	86	170	74	9	<10
20206	Ehelt ↓	18	.3	21	81	27	290	18	<10
20207		51	.3	14	66	34	20	8	<10
20208		10	.2	27	86	30	150	18	<10
20209		6	<.1	<5	28	54	21	6	<10
20210		13	.1	<5	39	28	310	4	<10
20211		20	.3	<5	12	65	20	<2	<10
20212		40	2.4	<5	480	22	68	210	20
20213		13	.3	<5	64	120	<10	76	<10
20214		55	.3	<5	55	200	<10	120	<10
20215		1680	5.6	410	2500	270	2900	15	<10
20216		50	4.0	<5	74	470	120	140	<10
20217		198	2.8	<5	61	790	230	51	<10
20218		1192	17	<5	180	5700	180	150	<10
20151(EXTRA)		<5	.4	<5	23	33	<10	3	<10
20152(EXTRA)		17	.4	<5	42	53	<10	11	27
20153(EXTRA)		41	>25	<5	130	15100	69	10	<10

SVL ANALYTICAL, INC.
REPORT OF ANALYTICAL RESULTS

SVL Job Number :X20324
Sample Receipt : 7/21/92
Date of Report : 8/04/92
No. of Samples : 73 Rock

Client: PAUL DIRCKSEN
ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE ID 83814

RE: SKARN PACKAGE
NOTE: Fire assay value for sample 20153:
1.17 oz/t Ag

CLIENT SAMPLE ID	Test : W Units : ppm Method: ICP	Mo ppm ICP
19922	<15	<2
19923	<15	3
19924	<15	<2
19925	<15	<2
19926	<15	<2
19927	<15	<2
19928	<15	<2
19929	<15	18
19930	<15	<2
19931	<15	63
19932	<15	120
19933	<15	<2
19934	<15	<2
19935	<15	<2
19936	<15	<2
19937	<15	<2
19938	<15	13
19939	<15	<2
19940	<15	<2
19941	<15	<2
19942	<15	<2
19943	<15	<2
19944	<15	60
19945	<15	<2
19946	<15	36
19947	<15	2
19948	<15	<2
19949	<15	<2
19950	<15	<2
20101	<15	<2
20102	<15	<2
20103	<15	<2
20104	<15	<2
20105	<15	<2
20106	<15	2
20107	<15	<2
20108	<15	<2
20109	<15	<2
20110	<15	<2
20111	<15	<2

SVL ANALYTICAL, INC.
REPORT OF ANALYTICAL RESULTS

SVL Job Number :X20324
Sample Receipt : 7/21/92
Date of Report : 8/04/92
No. of Samples : 73 Rock

Client: PAUL DIRCKSEN
ORVANA RESOURCES
2005 IRONWOOD PKWY #222
COEUR D'ALENE ID 83814

RE: SKARN PACKAGE
NOTE: Fire assay value for sample 20153:
1.17 oz/t Ag

CLIENT SAMPLE ID	Test : W Units : ppm Method: ICP	Mo ppm ICP
20112	<15	<2
20113	<15	<2
20114	<15	<2
20115	<15	<2
20116	<15	<2
20117	<15	<2
20118	<15	<2
20119	<15	<2
20120	<15	<2
20121	<15	<2
20122	<15	<2
20123	<15	<2
20124	<15	<2
20125	<15	<2
20126	<15	<2
20127	<15	<2
20128	<15	<2
20206	<15	<2
20207	<15	<2
20208	<15	<2
20209	<15	<2
20210	<15	<2
20211	<15	<2
20212	<15	<2
20213	<15	<2
20214	<15	<2
20215	<15	<2
20216	<15	<2
20217	<15	<2
20218	<15	<2
20151(EXTRA)	<15	<2
20152(EXTRA)	<15	<2
20153(EXTRA)	16	<2

This report has been reviewed and is certified to be accurate.

Reviewed By: C. Magee Date: 8-4-92 Charges : $1,197.20

APPENDIX 3

Soil Sample Results

GEOCHEMICAL ANALYSIS CERTIFICATE

Eholt - 1

Pan Orvana Resources File # 92-0956 Page 1

710 - 1177 W. Hastings St, Vancouver BC V6E 2K3 Submitted by: ROBERT T. FREDERICKS

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
1000N 1108E	1	24	17	89	.5	11	8	661	3.06	7	5	ND	10	90	.2	2	2	43	.39	.069	49	17	.38	131	.16	4	2.47	.04	.15	1	5.9
1000N 1112E	1	21	14	94	.2	11	7	676	2.72	4	5	ND	7	90	.2	2	2	38	.39	.096	33	17	.35	165	.15	5	2.41	.05	.14	1	5.1
1000N 1116E	1	28	24	111	.4	10	9	1267	3.00	7	5	ND	6	114	.2	2	2	41	.46	.131	49	16	.38	214	.16	4	3.13	.04	.14	1	7.0
1000N 1120E	1	15	20	66	.4	8	5	448	2.32	2	5	ND	2	65	.2	2	2	36	.29	.115	22	13	.26	88	.15	4	1.93	.04	.09	1	.6
1000N 1124E	1	17	20	65	.4	8	6	732	2.35	2	5	ND	3	121	.2	2	2	35	.35	.117	29	13	.29	150	.16	4	2.92	.04	.09	1	6.3
1000N 1128E	1	21	31	88	.5	11	7	656	2.89	2	5	ND	9	217	.2	2	2	40	.54	.192	46	17	.36	137	.19	5	3.14	.04	.11	1	2.8
1000N 1132E	1	12	12	89	.1	8	3	232	1.73	8	5	ND	5	74	.2	2	2	21	.26	.293	18	9	.18	125	.15	5	2.41	.05	.10	1	1.3
1000N 1136E	1	16	13	71	.4	7	3	406	1.73	4	9	ND	6	62	.2	2	2	22	.29	.101	34	9	.20	127	.18	5	2.86	.06	.11	1	.4
1000N 1140E	1	13	17	80	.3	10	4	210	2.08	4	5	ND	8	72	.2	2	2	29	.30	.109	28	14	.26	126	.18	5	2.63	.05	.13	1	1.2
1000N 1144E	1	10	22	124	.3	11	4	243	2.49	3	5	ND	8	69	.2	2	2	35	.29	.207	40	19	.35	162	.18	5	2.29	.05	.12	1	2.3
1000N 1148E	1	15	11	75	.4	12	5	224	2.62	3	5	ND	11	72	.2	2	2	38	.35	.142	32	22	.34	158	.18	5	2.68	.05	.12	1	1.9
RE 1000N 1168E	1	14	18	96	.4	12	6	320	2.91	4	5	ND	10	81	.2	2	3	42	.38	.214	45	20	.31	157	.16	5	2.52	.05	.15	1	.2
1000N 1152E	1	11	14	117	.3	12	5	251	2.58	3	5	ND	8	50	.2	2	2	36	.25	.178	23	23	.33	202	.17	4	2.16	.04	.15	1	.3
1000N 1156E	1	17	19	113	.2	12	5	378	3.00	2	5	ND	10	79	.2	2	2	41	.38	.291	55	21	.37	182	.17	4	2.49	.04	.13	1	.5
1000N 1160E	1	15	14	85	.2	13	5	350	2.53	5	5	ND	8	70	.2	2	2	37	.31	.215	32	20	.31	189	.15	5	2.30	.04	.12	1	.3
1000N 1164E	1	16	13	74	.3	10	4	258	2.19	3	5	ND	8	79	.2	2	2	31	.30	.322	38	15	.25	127	.15	5	2.30	.05	.13	1	.4
1000N 1168E	1	13	15	87	.2	10	5	287	2.64	2	5	ND	9	76	.2	2	2	38	.34	.194	42	18	.28	149	.14	4	2.36	.04	.13	1	.4
1000N 1172E	1	7	11	60	.1	5	3	238	2.03	3	5	ND	5	54	.2	2	2	35	.23	.075	28	15	.19	111	.12	4	1.02	.04	.08	1	.3
988N 1108E	1	28	15	112	.4	13	10	701	3.01	6	5	ND	5	75	.2	2	3	43	.36	.079	26	18	.39	148	.14	4	2.44	.04	.16	1	6.4
988N 1112E	1	26	15	108	.1	13	8	500	2.77	5	5	ND	6	84	.2	2	2	37	.40	.164	37	16	.35	146	.15	4	2.66	.05	.12	1	4.6
988N 1116E	1	19	21	102	.2	12	8	537	3.03	4	5	ND	10	112	.2	2	3	40	.46	.118	57	19	.38	163	.17	6	2.71	.05	.22	1	1.9
988N 1120E	1	17	30	99	.1	14	7	433	2.86	4	5	ND	8	320	.2	2	2	37	.59	.282	38	21	.43	210	.18	5	3.07	.05	.15	1	.9
988N 1124E	1	18	28	79	.1	13	6	379	2.82	4	5	ND	8	228	.2	2	2	39	.47	.163	34	19	.39	210	.20	5	3.25	.05	.12	1	2.7
988N 1128E	1	23	26	106	.8	13	7	317	3.09	2	5	ND	11	112	.2	2	2	41	.40	.162	184	20	.41	123	.19	5	3.00	.05	.18	1	84.7
988N 1132E	1	18	12	84	.4	10	6	486	2.71	2	5	ND	9	60	.2	2	2	39	.34	.248	46	18	.31	190	.18	5	3.06	.04	.13	1	1.4
988N 1136E	1	18	18	89	.3	10	6	375	2.86	6	5	ND	11	74	.2	2	2	40	.34	.320	51	19	.34	147	.17	4	2.59	.04	.12	1	2.1
988N 1140E	1	18	21	82	.4	9	7	492	2.73	3	5	ND	9	68	.2	2	3	38	.29	.154	47	16	.34	142	.18	4	2.69	.04	.16	1	2.0
988N 1144E	1	12	20	94	.3	8	5	450	2.30	4	6	ND	7	72	.2	2	2	38	.39	.119	50	23	.27	134	.14	4	1.38	.04	.14	1	.5
988N 1148E	1	21	12	86	.1	11	6	615	2.52	3	5	ND	6	54	.2	2	2	35	.31	.135	34	18	.30	180	.18	4	3.07	.05	.10	1	1.9
988N 1152E	1	20	17	91	.1	14	6	340	2.69	8	5	ND	9	64	.2	2	3	41	.34	.099	31	23	.39	149	.19	5	2.76	.05	.12	1	2.6
988N 1156E	1	23	14	73	.1	13	6	457	2.41	8	5	ND	6	51	.2	2	2	34	.30	.193	31	19	.31	202	.17	5	3.02	.06	.10	1	.7
988N 1160E	1	13	18	108	.2	13	5	339	2.09	5	5	ND	5	73	.5	2	2	30	.34	.223	26	17	.28	195	.16	5	2.04	.05	.11	1	.8
988N 1164E	1	15	13	82	.1	10	4	494	2.13	3	5	ND	6	67	.2	2	2	30	.34	.219	34	15	.26	171	.15	4	2.32	.05	.11	1	.8
988N 1168E	1	15	13	82	.1	10	5	272	2.41	2	5	ND	7	111	.2	2	2	35	.39	.165	38	17	.31	118	.14	5	1.93	.04	.15	1	1.0
988N 1172E	1	14	16	103	.1	13	6	230	2.94	2	5	ND	10	75	.2	2	2	41	.31	.201	44	21	.41	158	.14	4	2.11	.04	.14	1	.9
976N 1108E	1	13	9	78	.1	10	8	385	2.79	2	5	ND	5	59	.2	2	2	44	.32	.043	14	20	.41	117	.16	5	2.06	.05	.18	1	2.1
976N 1112E	1	20	11	85	.1	11	9	597	2.88	8	5	ND	6	68	.2	2	2	42	.36	.177	31	18	.40	173	.15	5	2.56	.04	.21	1	3.6
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
STANDARD C/AU-S	19	56	41	131	7.6	69	34	1097	3.87	41	16	7	37	52	18.4	16	20	55	.47	.088	36	57	.89	170	.09	34	1.84	.08	.15	13	45.8

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. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: MAY 4 1992 DATE REPORT MAILED: May 8/92 SIGNED BY. D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Total = 201 sx

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
976N 1116E	1	20	12	71	.1	15	8	598	2.78	7	5	ND	6	56	.2	2	2	43	.32	.131	19	22	.44	158	.18	6	2.83	.03	.14	1	1.3
976N 1120E	1	19	11	102	.3	15	9	579	2.96	8	6	ND	7	71	.2	2	2	44	.30	.158	25	24	.47	198	.18	6	2.79	.04	.16	2	2.8
976N 1124E	1	19	13	79	.1	13	8	523	2.79	8	5	ND	6	63	.2	2	2	42	.37	.166	31	20	.40	155	.17	5	2.80	.04	.12	1	1.7
976N 1128E	1	16	7	87	.1	15	7	284	2.96	8	5	ND	8	66	.2	2	2	46	.31	.075	27	23	.45	118	.18	4	2.58	.04	.14	1	2.9
976N 1132E	1	19	7	96	.1	15	7	355	2.82	10	5	ND	7	50	.2	2	2	44	.30	.137	21	22	.44	155	.17	5	2.28	.05	.14	1	4.8
976N 1136E	1	19	5	62	.1	11	5	464	1.68	7	5	ND	3	38	.2	2	2	27	.26	.139	12	13	.29	170	.13	3	2.06	.07	.12	1	.3
976N 1140E	1	38	6	86	.4	21	10	350	3.18	12	8	ND	8	47	.2	2	2	55	.33	.117	18	31	.78	194	.20	4	2.60	.06	.22	1	.6
976N 1144E	1	28	6	77	.1	14	7	428	2.38	11	5	ND	4	41	.2	2	2	39	.30	.195	20	20	.44	180	.16	4	2.56	.06	.11	1	.8
976N 1148E	1	23	8	78	.1	16	7	436	2.49	8	5	ND	4	50	.2	2	2	41	.32	.101	17	24	.48	168	.17	4	2.45	.06	.10	1	.9
976N 1152E	1	17	7	87	.1	12	7	534	2.27	7	5	ND	4	48	.2	2	2	38	.27	.138	15	19	.41	172	.14	4	2.00	.05	.11	1	1.6
976N 1156E	1	26	14	81	.2	16	7	385	2.83	9	5	ND	8	49	.2	2	3	48	.30	.153	33	27	.51	179	.19	4	2.74	.05	.13	1	8.6
976N 1160E	1	28	9	70	.2	17	7	331	2.64	12	5	ND	7	40	.2	2	3	40	.29	.266	23	24	.48	198	.18	4	3.03	.05	.15	1	6.4
976N 1164E	1	25	7	78	.1	18	7	390	2.51	11	5	ND	5	40	.2	2	2	40	.30	.201	18	25	.48	178	.16	4	2.35	.05	.13	1	1.1
976N 1168E	1	20	10	79	.2	12	6	564	2.13	9	5	ND	5	69	.2	2	2	33	.31	.287	27	18	.32	228	.14	4	2.27	.05	.12	1	.8
976N 1172E	1	32	14	28	.4	9	4	134	1.35	4	10	ND	4	247	.2	2	2	17	.84	.038	71	19	.30	154	.13	3	2.43	.07	.09	1	1.1
964N 1108E	1	17	5	88	.1	13	8	416	2.77	7	5	ND	5	67	.2	2	2	47	.40	.044	19	21	.56	125	.18	4	2.43	.06	.24	1	1.1
964N 1112E	1	14	7	60	.1	9	6	338	2.26	6	5	ND	5	52	.2	2	2	38	.35	.066	15	16	.33	120	.12	4	1.52	.05	.19	1	4.5
964N 1116E	1	19	8	74	.3	10	8	474	2.64	6	5	ND	7	52	.2	2	2	42	.35	.077	23	18	.37	134	.14	4	1.98	.04	.14	1	1.5
964N 1120E	1	22	12	80	.1	12	9	588	2.69	8	5	ND	7	57	.2	2	2	40	.35	.137	36	19	.40	179	.14	5	2.17	.04	.13	1	6.3
964N 1124E	1	19	13	84	.3	11	7	357	2.69	7	5	ND	9	61	.2	2	2	40	.31	.154	42	18	.38	157	.15	4	2.20	.05	.14	1	1.2
964N 1128E	1	18	9	97	.2	11	7	396	2.58	9	5	ND	7	52	.2	2	2	40	.34	.142	37	18	.34	121	.13	4	1.89	.04	.10	1	.9
964N 1132E	1	19	7	45	.1	10	5	272	1.86	7	6	ND	4	99	.2	2	2	25	.40	.045	38	12	.22	95	.15	4	2.42	.07	.07	1	.9
964N 1136E	1	17	10	76	.3	11	6	434	2.21	9	5	ND	6	60	.2	4	2	35	.33	.145	31	16	.30	122	.13	6	2.07	.05	.13	1	.5
964N 1140E	1	22	17	74	.1	12	7	516	2.74	8	5	ND	6	43	.2	2	2	41	.25	.208	38	19	.34	148	.16	4	2.64	.04	.09	1	1.4
964N 1144E	1	24	13	76	.4	11	7	444	2.68	8	5	ND	8	52	.2	2	2	42	.29	.128	49	17	.36	146	.16	5	2.63	.06	.14	1	1.4
964N 1148E	1	20	12	76	.3	11	6	558	2.39	6	5	ND	7	41	.2	2	2	36	.27	.147	29	16	.32	155	.15	4	2.50	.05	.10	1	1.2
964N 1152E	1	20	14	69	.1	12	6	453	2.41	5	5	ND	7	39	.2	2	2	37	.22	.141	33	18	.30	163	.16	4	2.57	.05	.08	1	1.1
964N 1156E	1	16	13	94	.2	11	5	326	2.47	5	5	ND	10	67	.2	2	2	37	.35	.171	51	18	.32	146	.14	4	2.09	.04	.11	1	1.1
964N 1160E	1	17	11	76	.1	11	5	321	2.27	8	5	ND	10	48	.2	2	2	34	.28	.192	32	18	.27	188	.15	4	2.39	.04	.08	1	1.5
964N 1164E	1	20	11	68	.1	9	5	251	2.21	8	5	ND	8	43	.2	2	2	36	.24	.233	27	17	.25	97	.16	5	2.57	.04	.08	1	.7
964N 1168E	1	17	9	92	.4	10	5	379	2.12	6	8	ND	8	52	.2	3	2	33	.28	.183	27	17	.24	138	.14	5	2.20	.05	.14	2	30.0
964N 1172E	1	22	10	79	.2	12	6	386	2.15	8	5	ND	6	44	.2	2	2	33	.27	.179	30	18	.30	164	.16	4	2.73	.06	.10	1	1.3
952N 1108E	1	23	37	97	.5	13	10	428	2.89	10	8	ND	7	60	.2	3	2	45	.35	.105	22	19	.42	125	.13	6	2.28	.05	.16	2	.8
RE 964N 1160E	1	17	13	79	.4	11	5	338	2.35	6	5	ND	10	51	.2	2	2	36	.28	.196	34	18	.28	194	.15	4	2.49	.04	.10	1	1.9
952N 1112E	1	16	11	79	.2	11	7	409	2.55	6	5	ND	5	43	.2	2	2	41	.29	.055	21	17	.39	139	.13	4	1.93	.05	.16	1	1.2
952N 1116E	1	19	11	72	.3	12	8	394	2.73	7	5	ND	8	53	.2	2	2	45	.30	.097	45	20	.42	149	.14	4	2.20	.04	.13	1	1.4
952N 1120E	1	22	15	89	.3	17	11	419	3.06	8	5	ND	9	75	.2	2	2	48	.37	.090	45	24	.50	174	.16	5	2.88	.04	.19	1	3.4
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
STANDARD C/AU-S	20	60	39	133	6.8	71	32	981	3.98	39	22	7	41	52	18.7	19	19	56	.49	.091	35	59	.89	174	.09	32	1.87	.09	.15	13	46.1

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
952N 1124E	1	27	13	81	.1	19	10	332	3.38	7	5	ND	8	62	.2	2	3	50	.32	.142	30	28	.51	177	.15	4	2.57	.04	.19	1	.7
952N 1128E	1	22	10	81	.3	14	8	429	2.61	7	5	ND	5	54	.2	2	2	41	.33	.111	32	22	.41	149	.14	4	2.06	.04	.14	1	.1
952N 1132E	1	20	13	88	.4	15	8	552	2.64	7	5	ND	5	58	.2	2	2	40	.33	.100	25	21	.39	173	.15	4	2.40	.05	.16	1	10.3
952N 1136E	1	15	9	86	.1	11	6	585	2.29	5	5	ND	4	62	.2	2	2	35	.31	.108	36	16	.33	180	.13	3	2.06	.04	.09	1	.1
952N 1140E	1	19	13	84	.1	12	7	428	2.86	5	5	ND	7	56	.2	2	2	42	.31	.153	32	19	.39	147	.14	3	2.30	.04	.15	1	.1
RE 952N 1156E	1	16	14	73	.3	12	6	363	2.71	5	5	ND	11	44	.2	2	2	43	.30	.161	44	25	.34	218	.13	3	2.07	.04	.12	1	.1
952N 1144E	1	15	13	83	.2	13	7	474	2.67	6	5	ND	8	76	.2	2	2	37	.38	.139	19	20	.37	263	.16	4	2.97	.05	.15	1	.1
952N 1148E	1	16	12	76	.3	11	5	482	2.28	5	5	ND	6	56	.2	2	2	34	.29	.162	28	18	.27	192	.15	4	2.28	.05	.12	1	.1
952N 1152E	1	17	18	112	.5	14	5	822	2.42	5	5	ND	7	46	.2	2	2	33	.28	.251	28	21	.29	335	.13	4	2.27	.05	.13	1	.1
952N 1156E	1	15	18	72	.4	11	6	367	2.75	4	5	ND	12	43	.2	2	2	43	.30	.166	44	25	.35	222	.14	3	2.10	.03	.12	1	.1
940N 1108E	1	26	7	79	.1	16	8	493	2.69	7	5	ND	4	67	.2	2	3	38	.39	.072	24	20	.39	137	.15	4	2.29	.06	.15	1	.1
940N 1112E	1	25	9	81	.2	12	8	624	2.33	7	5	ND	4	70	.2	2	2	35	.38	.131	20	17	.37	152	.13	4	2.07	.06	.15	1	.1
940N 1116E	1	14	10	83	.3	10	5	494	2.16	6	5	ND	6	67	.2	2	3	32	.32	.140	43	16	.31	175	.12	6	1.84	.05	.18	1	.1
940N 1120E	1	25	9	84	.4	16	8	505	2.41	10	5	ND	6	75	.2	2	2	38	.33	.137	22	22	.38	181	.14	5	2.05	.06	.18	1	.1
940N 1124E	1	17	11	94	.1	12	6	455	2.52	6	5	ND	6	43	.2	2	2	37	.25	.191	30	20	.31	176	.13	4	2.01	.05	.13	1	.1
940N 1128E	1	55	14	64	.4	13	7	648	2.43	4	5	ND	5	135	.2	2	2	33	.50	.046	56	20	.36	125	.17	3	2.66	.08	.08	1	.1
940N 1132E	1	22	11	79	.1	13	7	346	2.56	5	5	ND	6	71	.2	2	2	37	.28	.105	27	19	.33	165	.14	3	2.42	.05	.14	1	.2
940N 1136E	1	11	10	72	.2	10	5	441	2.03	5	5	ND	4	54	.2	2	2	33	.32	.083	19	16	.25	128	.11	4	1.38	.06	.12	1	.2
940N 1140E	1	14	12	75	.2	12	5	365	2.26	2	5	ND	5	62	.2	2	2	33	.34	.097	30	20	.29	162	.13	4	1.99	.05	.13	1	.1
940N 1144E	1	15	15	77	.1	11	5	358	2.33	2	5	ND	6	55	.2	2	2	35	.30	.121	36	19	.30	174	.14	3	2.19	.05	.13	1	.1
940N 1148E	1	21	12	90	.2	13	6	416	2.49	4	5	ND	7	42	.2	2	2	37	.27	.171	34	22	.34	149	.14	4	2.26	.04	.13	1	.1
940N 1152E	1	21	7	67	.1	10	5	361	2.05	4	5	ND	5	68	.2	2	2	29	.32	.146	24	18	.30	172	.14	3	2.24	.05	.11	1	.1
1064E 940N	1	26	18	194	.1	18	9	1044	2.83	25	5	ND	4	48	.5	2	2	42	.44	.253	32	21	.49	238	.17	5	2.83	.05	.16	1	1.9
1064E 934N	1	28	15	91	.2	111	14	1417	3.20	5	5	ND	3	53	.2	2	2	50	.62	.069	31	141	1.36	198	.15	4	2.98	.09	.25	1	3.0
1064E 928N	1	22	12	103	.1	113	15	1339	3.40	3	5	ND	3	56	.4	2	2	49	.52	.044	23	141	1.39	237	.18	3	3.52	.10	.30	1	.2
1064E 922N	1	61	11	94	.5	17	19	1238	4.11	4	5	ND	1	30	.6	2	2	93	.53	.057	5	23	1.73	117	.20	4	2.73	.07	.17	1	.1
1064E 916N	1	35	9	111	.1	22	17	1308	3.63	14	5	ND	2	41	.2	2	2	64	.51	.153	14	34	.90	214	.17	3	2.57	.05	.19	1	.1
1064E 910N	1	28	10	102	.1	15	8	539	2.38	6	5	ND	3	41	.2	2	2	40	.34	.122	12	18	.59	203	.15	4	2.31	.07	.21	1	.1
1064E 886N	1	18	7	86	.2	15	7	500	2.37	8	5	ND	4	28	.2	2	3	41	.24	.137	10	24	.39	159	.12	3	1.77	.04	.13	1	.1
1064E 880N	1	25	7	63	.1	15	7	403	2.23	5	5	ND	4	35	.2	2	2	39	.30	.093	14	25	.39	177	.12	3	1.69	.04	.14	1	.1
1064E 877N	1	18	5	76	.1	17	6	403	2.23	5	5	ND	6	32	.2	2	2	41	.31	.070	11	32	.39	185	.13	3	1.68	.04	.18	1	.1
1064E 872N	1	26	8	73	.1	20	8	428	2.22	9	5	ND	3	31	.2	2	2	37	.30	.079	9	26	.43	183	.15	4	2.09	.05	.12	1	.1
1072E 940N	1	20	11	80	.1	13	7	802	2.40	6	5	ND	4	44	.2	2	2	35	.41	.041	23	20	.37	247	.15	4	2.36	.05	.25	1	.1
1072E 934N	1	25	19	98	.3	12	9	1264	2.80	4	5	ND	5	46	.2	2	2	39	.47	.045	34	19	.43	213	.14	4	2.23	.05	.34	1	.1
1072E 928N	1	35	12	128	.5	12	11	1205	2.94	6	5	ND	5	77	.2	2	2	35	.70	.099	26	13	.41	256	.14	9	2.91	.07	.36	1	.1
1072E 922N	1	31	9	90	.2	17	8	558	2.42	8	5	ND	5	47	.2	2	2	37	.41	.078	19	20	.39	218	.15	5	2.37	.07	.23	1	.1
1072E 916N	1	46	10	113	.3	26	10	730	2.68	19	6	ND	5	38	.2	2	2	44	.36	.183	12	32	.53	244	.17	4	2.40	.06	.17	1	5.2
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.2
STANDARD C/AU-S	19	57	39	129	7.5	69	34	1061	3.93	36	19	6	39	53	18.3	15	20	55	.48	.089	37	57	.87	177	.09	34	1.87	.08	.15	13	46.5

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1072E 910N	1	46	2	86	.2	24	10	561	2.27	11	5	ND	2	52	.2	2	2	38	.60	.129	14	22	.44	184	.14	4	2.10	.04	.20	1	1.9
1072E 904N	1	27	2	56	.1	18	7	185	1.90	11	5	ND	1	41	.2	2	2	33	.51	.025	8	20	.24	101	.13	4	1.80	.04	.11	1	1.1
1072E 898N	1	32	2	69	.1	22	9	454	2.27	15	5	ND	3	37	.2	2	2	38	.34	.040	9	21	.27	140	.16	3	2.42	.04	.13	1	.8
1072E 892N	1	34	2	71	.1	24	9	394	2.44	24	5	ND	2	59	.2	2	2	39	.51	.076	10	24	.45	166	.16	4	2.39	.04	.15	1	1.1
1072E 886N	1	26	2	55	.1	16	7	228	2.20	9	5	ND	3	50	.2	2	2	35	.51	.022	14	21	.25	127	.14	4	1.97	.04	.18	1	2.0
1072E 880N	1	42	3	134	.1	19	9	845	2.57	13	5	ND	3	49	.2	2	2	46	.44	.152	15	24	.48	232	.13	3	2.23	.03	.16	1	.8
1072E 874N	1	21	3	97	.1	16	6	546	2.22	9	5	ND	4	34	.2	2	2	39	.25	.171	16	20	.21	195	.12	3	1.87	.02	.11	1	.8
1072E 868N	1	36	4	90	.1	23	9	625	2.58	15	5	ND	3	37	.2	2	2	42	.32	.151	12	28	.41	247	.13	2	1.68	.02	.15	1	1.4
1080E 940N	1	33	4	104	.1	14	14	1620	3.38	14	5	ND	2	57	.2	2	2	49	.57	.082	22	16	.46	198	.13	3	2.56	.03	.19	1	1.1
1080E 934N	1	25	2	67	.1	14	10	791	2.64	10	5	ND	3	42	.2	2	2	40	.37	.053	16	15	.38	146	.14	3	2.32	.04	.21	1	.8
1080E 928N	1	37	7	58	.1	7	15	1992	3.25	15	5	ND	1	72	.2	2	2	40	.57	.114	4	7	.21	132	.09	4	1.67	.04	.09	1	2.1
1080E 922N	1	35	3	81	.1	17	13	693	3.14	14	5	ND	3	45	.2	2	2	45	.45	.073	14	18	.45	118	.15	4	2.35	.04	.17	1	1.9
1080E 916N	1	44	7	99	.1	20	8	652	2.11	12	5	ND	1	48	.3	2	2	39	.65	.066	14	21	.27	129	.13	3	1.97	.04	.11	1	1.8
1080E 910N	1	40	6	84	.1	21	10	631	2.67	12	5	ND	3	44	.2	2	2	44	.50	.073	14	21	.46	123	.16	3	2.43	.04	.17	1	1.3
1080E 904N	1	53	2	60	.1	27	9	249	2.55	18	5	ND	3	50	.2	2	2	44	.54	.020	18	27	.43	138	.16	4	2.06	.04	.17	1	3.3
1080E 898N	1	38	2	105	.1	19	9	568	2.22	13	5	ND	2	48	.2	2	2	36	.46	.132	10	21	.25	192	.14	4	2.26	.03	.15	1	14.3
1080E 892N	1	44	2	52	.1	22	7	263	1.91	10	5	ND	1	64	.4	2	2	34	.60	.017	13	21	.25	116	.14	3	1.77	.05	.10	1	1.3
1080E 886N	1	36	13	94	.1	21	8	507	2.52	15	5	ND	4	25	.2	2	2	46	.23	.117	18	26	.41	168	.14	3	2.18	.03	.13	1	1.9
1080E 880N	1	34	15	233	.1	12	6	1359	2.17	13	5	ND	2	41	.5	2	2	31	.35	.213	17	14	.17	313	.11	3	2.08	.03	.13	1	2.4
1080E 874N	1	34	5	63	.1	20	8	298	2.25	14	5	ND	1	75	.2	2	2	39	.95	.034	17	25	.44	125	.13	4	1.93	.04	.11	1	1.5
1080E 868N	1	46	4	61	.1	22	9	490	2.50	14	5	ND	2	62	.2	2	2	45	.71	.041	17	26	.43	122	.13	3	1.82	.04	.11	1	2.3
1088E 940N	1	35	9	70	.1	12	14	793	3.39	13	5	ND	5	51	.2	2	2	54	.52	.083	30	17	.46	117	.13	3	1.93	.04	.26	1	2.9
1088E 934N	1	33	8	94	.1	16	9	448	3.31	8	5	ND	7	57	.2	2	2	52	.39	.103	53	22	.37	155	.15	3	2.43	.02	.25	1	2.0
1088E 928N	1	29	2	90	.1	17	9	533	2.71	8	5	ND	5	41	.2	2	2	43	.36	.120	22	21	.42	182	.14	3	2.11	.03	.25	1	2.3
RE 1080E 874N	1	33	2	60	.2	20	8	284	2.18	11	5	ND	1	72	.4	2	2	39	.93	.032	17	24	.43	122	.13	3	1.87	.04	.11	1	1.6
1088E 922N	1	29	4	97	.1	20	10	639	2.70	12	5	ND	4	39	.2	2	2	45	.41	.128	19	23	.44	169	.15	3	2.30	.04	.18	1	3.1
1088E 916N	1	42	3	90	.1	25	11	516	2.87	17	5	ND	4	35	.4	2	2	52	.35	.089	19	27	.51	186	.16	3	2.36	.03	.15	1	2.4
1088E 910N	1	45	7	96	.1	26	10	452	3.01	21	5	ND	4	31	.4	2	2	55	.30	.108	15	29	.45	160	.16	3	2.37	.03	.12	1	6.4
1088E 904N	1	36	3	169	.1	26	8	351	2.95	12	5	ND	7	42	.4	2	2	52	.35	.075	19	28	.44	204	.14	3	2.24	.02	.17	1	1.7
1088E 898N	1	36	2	97	.1	28	10	483	2.94	12	5	ND	5	38	.5	2	2	52	.37	.066	22	30	.49	195	.15	3	2.40	.03	.15	1	3.2
1088E 892N	1	41	2	92	.1	18	10	1103	3.09	14	5	ND	4	30	.7	2	2	54	.26	.140	15	21	.42	189	.16	3	2.91	.02	.13	1	2.9
1088E 886N	1	70	9	103	.3	15	19	1662	3.94	13	5	ND	1	35	.5	2	2	62	.31	.151	9	14	.56	194	.13	3	3.95	.02	.11	1	15.8
1088E 880N	1	20	7	88	.1	16	6	301	2.40	12	5	ND	3	30	.2	2	2	46	.25	.096	13	24	.23	121	.10	3	1.22	.02	.08	1	3.9
1088E 874N	1	33	4	64	.1	19	8	320	2.30	13	5	ND	4	29	.4	2	2	40	.27	.048	16	23	.26	145	.14	2	1.91	.03	.11	1	2.2
1088E 868N	1	80	8	55	.1	17	7	645	2.30	12	5	ND	2	66	.6	2	2	41	.67	.030	41	20	.26	115	.13	3	1.95	.04	.11	1	3.1
1088E 862N	1	29	4	110	.1	10	12	1287	3.65	14	5	ND	2	52	.6	2	2	58	.44	.475	7	10	.80	164	.15	4	4.87	.02	.11	2	4.3
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.3
STANDARD C/AU-S	19	60	40	133	7.2	72	33	1032	3.94	42	20	6	38	52	17.0	14	17	56	.48	.089	37	55	.86	177	.09	34	1.88	.08	.15	11	46.5

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1096E 940N	1	38	6	97	.1	16	11	636	2.98	7	5	ND	5	45	.2	2	2	46	.50	.099	24	19	.49	132	.16	4	2.45	.05	.16	2	2.3
1096E 934N	1	23	7	81	.1	15	10	875	2.45	9	5	ND	3	55	.2	2	2	37	.43	.135	14	15	.24	155	.12	5	1.82	.03	.18	1	2.3
1096E 928N	1	27	6	67	.1	13	7	439	2.07	7	5	ND	6	32	.2	2	2	33	.30	.110	17	15	.23	135	.14	3	2.14	.04	.12	1	1.0
1096E 922N	1	24	6	60	.1	16	8	413	2.32	9	5	ND	4	34	.2	2	2	37	.27	.106	15	20	.23	161	.13	3	1.89	.03	.15	1	2.1
1096E 916N	1	27	5	66	.1	12	11	1038	2.87	9	5	ND	3	37	.2	2	2	47	.34	.083	18	16	.39	110	.14	2	2.37	.03	.10	1	1.7
1096E 910N	1	28	7	82	.1	22	10	697	3.04	9	5	ND	5	35	.2	2	2	50	.31	.054	20	23	.46	146	.15	3	2.42	.03	.21	1	1.9
RE 1096E 880N	1	23	8	73	.1	14	10	1157	2.41	6	5	ND	3	28	.2	2	2	41	.24	.068	9	17	.40	200	.12	3	2.09	.02	.21	1	2.6
1096E 904N	1	22	5	93	.1	15	8	521	2.32	4	5	ND	3	33	.2	2	2	36	.26	.065	10	16	.24	214	.10	3	2.10	.03	.18	1	1.0
1096E 898N	1	17	3	64	.1	12	6	548	2.21	6	5	ND	4	30	.2	2	2	40	.32	.123	13	20	.20	141	.11	3	1.26	.03	.11	1	2.1
1096E 892N	1	29	8	64	.1	10	9	1126	2.43	3	5	ND	1	50	.2	2	2	41	.43	.097	12	12	.25	166	.13	3	2.93	.02	.09	1	1.9
1096E 886N	1	48	7	85	.1	16	14	1323	3.28	6	5	ND	3	48	.4	2	2	56	.38	.078	16	18	.53	193	.18	3	3.36	.03	.16	3	1.7
1096E 880N	1	24	8	76	.1	14	10	1229	2.53	7	5	ND	2	29	.2	2	2	43	.25	.071	8	18	.43	209	.13	3	2.20	.03	.21	1	4.0
1096E 874N	1	44	6	62	.1	20	8	356	2.19	10	5	ND	2	65	.2	2	2	36	.71	.029	18	21	.27	109	.16	3	2.49	.04	.09	2	.6
1096E 868N	1	31	3	88	.1	23	8	561	2.36	12	5	ND	3	28	.2	2	2	43	.27	.138	9	26	.40	204	.13	2	1.63	.03	.13	1	.3
1096E 862N	1	64	3	43	.2	15	7	610	1.70	7	5	ND	1	121	.2	2	2	27	1.30	.066	14	18	.20	118	.08	3	1.58	.05	.07	2	1.3
1096E 859N	1	27	4	42	.1	14	6	250	1.90	5	5	ND	3	54	.2	2	2	34	.49	.033	16	19	.21	89	.12	3	1.79	.06	.06	2	.6
1104E 940N	1	51	6	96	.1	15	9	552	2.47	15	5	ND	4	43	.3	2	2	38	.42	.077	20	15	.25	110	.14	3	2.25	.04	.16	1	1.2
1104E 934N	1	26	4	78	.2	15	9	508	2.38	5	5	ND	4	40	.2	2	2	37	.40	.086	17	16	.29	129	.13	3	2.02	.04	.16	1	.7
1104E 928N	1	20	5	83	.1	13	7	587	2.29	8	5	ND	4	40	.2	2	2	36	.33	.181	16	18	.22	159	.12	4	1.87	.03	.14	1	1.2
1104E 922N	1	19	8	83	.1	12	6	531	2.19	4	5	ND	5	48	.2	2	2	32	.38	.159	22	16	.18	176	.12	3	1.83	.03	.15	1	1.9
1104E 916N	1	23	5	78	.1	12	9	707	2.46	8	5	ND	3	37	.2	2	2	41	.33	.109	17	18	.24	134	.12	3	2.04	.03	.10	2	1.5
1104E 910N	1	44	6	89	.1	17	13	1055	3.24	13	5	ND	3	57	.2	2	2	56	.54	.125	28	22	.55	154	.13	3	1.97	.03	.25	1	2.0
1104E 904N	1	25	7	92	.1	10	11	1014	3.40	6	5	ND	6	38	.2	2	2	50	.38	.071	22	16	.26	160	.09	2	1.75	.02	.23	1	1.2
1104E 898N	1	27	4	78	.1	18	10	849	2.87	7	5	ND	4	39	.2	2	2	49	.30	.074	14	22	.41	244	.16	4	2.66	.02	.17	3	.9
1104E 892N	1	30	6	74	.1	15	11	879	3.03	2	5	ND	5	39	.2	2	2	50	.28	.066	16	18	.44	222	.17	3	3.32	.02	.16	2	1.4
1104E 886N	1	41	6	73	.1	10	13	1329	2.67	7	5	ND	2	41	.2	2	2	48	.37	.054	11	12	.27	150	.12	3	2.40	.03	.14	1	1.0
1104E 880N	1	37	3	65	.1	12	9	657	2.50	2	5	ND	3	39	.2	2	2	43	.35	.038	9	13	.39	179	.12	3	2.42	.03	.14	1	.6
1104E 874N	1	40	3	96	.1	26	10	678	2.85	17	5	ND	5	24	.2	2	2	50	.23	.186	11	29	.41	204	.15	2	2.20	.02	.12	1	1.9
1104E 868N	1	37	4	75	.1	24	10	500	2.54	12	5	ND	3	49	.2	2	2	43	.49	.095	11	28	.42	223	.15	3	2.01	.03	.15	1	1.1
1112E 940N	1	29	2	45	.1	13	8	367	2.09	3	5	ND	3	47	.2	2	2	33	.45	.031	20	16	.22	96	.13	4	1.77	.05	.13	2	.9
1112E 934N	1	23	2	75	.1	14	8	508	2.51	4	5	ND	5	34	.2	2	2	38	.30	.124	17	18	.25	142	.13	3	1.96	.04	.17	1	.1
1112E 928N	1	29	2	53	.3	13	7	361	2.33	3	5	ND	5	47	.2	2	2	34	.50	.030	26	17	.23	82	.14	2	2.09	.04	.10	1	.1
1112E 922N	1	29	2	39	.2	11	5	317	1.83	2	5	ND	3	56	.2	2	2	24	.57	.027	31	12	.16	104	.12	3	1.96	.05	.10	2	.1
1112E 916N	1	39	4	138	.4	15	11	767	2.74	7	5	ND	4	39	.2	2	2	44	.33	.121	17	17	.25	130	.12	3	2.33	.03	.11	2	49.4
1112E 910N	1	30	5	101	.1	14	11	935	3.11	10	5	ND	9	40	.4	2	2	48	.33	.073	16	18	.36	135	.14	3	2.56	.02	.16	2	.7
1112E 904N	1	29	7	79	.1	19	12	637	3.54	4	5	ND	7	41	.2	2	2	57	.31	.067	29	27	.48	111	.13	2	2.24	.02	.24	1	1.2
1112E 898N	1	27	14	129	.1	10	23	1808	4.37	4	5	ND	3	40	.4	4	2	71	.47	.213	21	10	.60	362	.05	3	3.91	.02	.17	3	6.9
1112E 892N	1	32	4	79	.1	16	11	901	3.23	4	5	ND	5	59	.3	2	2	53	.34	.078	14	18	.51	232	.19	3	3.97	.02	.15	3	.1
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.3
STANDARD C/AU-S	18	58	39	132	6.8	69	32	1037	3.95	41	17	7	38	53	17.3	16	18	55	.48	.090	37	56	.88	177	.09	31	1.88	.08	.15	11	46.3

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1112E 886N	1	30	7	61	.1	12	11	915	2.84	10	5	ND	3	34	.2	2	2	50	.29	.068	23	20	.39	124	.12	2	2.10	.02	.11	1	2.3
1112E 880N	1	31	6	67	.1	10	11	1471	2.37	7	5	ND	1	30	.3	2	2	42	.27	.087	12	14	.24	118	.10	2	2.29	.02	.10	2	5.2
1112E 874N	1	36	5	58	.1	17	7	407	2.04	15	5	ND	4	43	.2	2	2	36	.49	.041	17	20	.26	111	.14	3	2.12	.04	.11	1	1.1
1112E 868N	1	49	2	72	.1	32	10	287	2.78	12	5	ND	4	22	.2	2	2	52	.25	.106	9	36	.55	212	.15	2	1.50	.02	.18	1	19.3
1112E 862N	1	49	3	44	.2	18	6	232	2.50	9	5	ND	4	75	.2	2	2	33	.90	.033	35	21	.51	195	.16	2	2.11	.04	.16	2	1.4
1112E 856N	1	22	2	84	.1	17	6	392	1.99	6	5	ND	3	34	.2	2	2	33	.31	.190	8	19	.23	180	.11	2	1.59	.02	.09	1	1.3
1120E 940N	1	20	7	75	.1	12	6	358	2.36	8	5	ND	6	47	.2	2	2	38	.28	.114	51	16	.23	149	.12	2	1.86	.03	.12	1	1.5
RE 1120E 916N	1	31	3	72	.1	13	9	467	2.59	12	5	ND	4	40	.2	2	2	43	.28	.121	20	18	.29	120	.12	2	1.87	.03	.15	1	2.8
1120E 934N	1	27	6	80	.1	20	8	313	2.61	9	5	ND	7	51	.2	2	2	40	.27	.130	26	21	.25	154	.13	2	1.88	.03	.16	1	.6
1120E 928N	1	26	4	67	.1	15	6	421	2.14	8	5	ND	4	79	.2	2	2	30	.35	.121	27	15	.19	167	.13	3	2.13	.03	.14	1	2.0
1120E 922N	1	25	6	51	.1	14	7	319	2.28	9	5	ND	4	78	.2	2	2	37	.35	.045	17	18	.22	142	.13	2	1.75	.03	.13	2	5.4
1120E 916N	1	31	4	71	.1	13	9	466	2.62	11	5	ND	5	41	.2	2	2	43	.28	.121	20	18	.27	119	.12	2	1.87	.03	.14	1	3.4
1120E 910N	1	38	6	112	.4	16	7	179	2.30	6	5	ND	4	75	.2	2	2	34	.52	.031	24	16	.40	98	.14	2	2.08	.05	.08	1	3.2
1120E 904N	1	38	4	79	.4	17	10	640	2.74	6	5	ND	4	78	.2	2	2	44	.62	.029	27	20	.48	92	.15	3	2.02	.05	.12	1	3.7
1120E 898N	1	22	5	76	.1	13	8	369	2.60	5	5	ND	6	55	.2	2	2	40	.34	.115	24	16	.20	98	.11	2	1.54	.02	.16	1	1.4
1120E 892N	1	60	4	66	.1	16	6	235	1.97	5	5	ND	2	74	.3	2	2	30	.68	.032	22	18	.26	104	.13	2	2.01	.04	.09	1	1.6
1120E 886N	1	24	3	73	.1	16	7	442	2.43	7	5	ND	4	24	.2	2	2	42	.21	.172	11	22	.21	168	.11	2	1.68	.02	.09	1	.7
1120E 880N	1	27	4	71	.2	18	8	445	2.30	7	5	ND	4	33	.2	2	2	38	.29	.097	12	20	.22	168	.13	2	1.92	.02	.11	1	.6
1120E 874N	1	23	22	153	.1	14	6	651	2.38	5	5	ND	6	61	.2	2	2	30	.41	.223	62	17	.20	327	.09	3	2.03	.02	.16	1	3.3
1120E 868N	1	47	4	91	.1	32	10	430	3.22	13	5	ND	5	45	.2	2	2	54	.42	.210	11	33	.58	307	.16	2	2.08	.02	.17	1	11.4
1120E 865N	1	30	7	66	.1	14	6	289	1.94	6	5	ND	3	65	.5	2	2	31	.57	.051	16	19	.21	96	.15	4	2.19	.03	.07	1	.8
1120E 859N	1	39	4	77	.1	20	8	432	2.29	13	5	ND	3	62	.2	2	2	39	.40	.092	13	23	.36	104	.15	2	2.30	.03	.09	2	1.0
STANDARD G-1	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.3
STANDARD C/AU-S	18	59	36	132	6.9	70	32	1038	3.96	42	21	7	38	54	18.0	16	18	55	.48	.089	37	58	.88	175	.09	34	1.88	.08	.15	11	48.5

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

Eholt - 2nd

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Pan Orvana Resources Inc. PROJECT EHOLT File # 92-1079 Page 1

710 - 1177 W. Hastings St, Vancouver BC V6E 2K3 Submitted by: ROB FREDERICKS

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
993E 1081N	1	30	16	108	.4	22	5	261	2.33	5	5	ND	5	34	.7	2	2	36	.28	.159	16	14	.18	151	.19	2	3.66	.04	.11	4	2
993E 1078N	1	34	17	118	.3	18	7	370	2.89	7	5	ND	7	35	.3	2	2	49	.37	.240	14	18	.27	143	.18	3	3.22	.03	.13	2	1
993E 1075N	1	32	12	122	.2	16	6	486	2.59	6	5	ND	4	29	.5	2	2	43	.42	.142	12	17	.21	120	.17	2	2.79	.04	.11	1	3
993E 1072N	1	25	11	131	.1	13	5	441	2.45	4	5	ND	4	31	.2	2	2	41	.38	.089	11	15	.22	171	.15	2	2.07	.04	.15	1	1
993E 1069N	1	21	9	106	.1	15	5	261	2.50	2	5	ND	3	30	.3	2	2	44	.36	.056	8	18	.23	142	.15	2	1.90	.03	.14	1	2
993E 1066N	1	28	33	334	.4	24	8	424	2.68	10	5	ND	2	38	.6	2	2	52	.40	.168	5	18	.29	128	.18	4	2.90	.04	.13	1	1
993E 1063N	1	35	22	307	.6	20	8	397	3.37	8	5	ND	4	31	.8	2	3	62	.38	.140	10	19	.31	75	.17	2	2.82	.03	.14	1	2
993E 1060N	1	19	12	89	.1	11	5	746	2.60	3	5	ND	4	37	.2	2	2	44	.42	.035	15	18	.23	110	.15	2	2.19	.03	.19	1	1
993E 1057N	1	24	21	124	.2	13	6	527	3.67	2	5	ND	6	37	.5	2	2	54	.61	.039	21	18	.54	95	.20	2	2.46	.03	.38	1	1
993E 1054N	1	16	15	136	.1	6	4	936	2.24	2	5	ND	2	36	.2	2	2	33	.27	.032	13	11	.21	202	.16	2	1.52	.03	.35	1	1
993E 1051N	1	19	12	95	.1	10	5	368	2.52	2	5	ND	6	34	.4	2	2	41	.28	.045	13	18	.22	167	.16	2	1.79	.04	.29	1	2
993E 1048N	1	15	12	87	.1	7	4	434	2.28	2	5	ND	5	33	.3	2	2	39	.27	.044	14	16	.18	145	.15	2	1.42	.03	.28	1	2
993E 1045N	1	18	10	62	.1	10	5	243	2.57	4	5	ND	7	34	.2	2	2	45	.32	.057	18	18	.20	97	.15	2	1.65	.03	.21	1	1
993E 1042N	1	21	9	87	.1	11	6	522	2.35	6	5	ND	5	47	.3	2	2	38	.38	.132	22	17	.19	160	.14	3	2.11	.04	.22	1	7
993E 1039N	1	21	9	99	.1	11	6	593	2.28	3	5	ND	4	43	.3	2	2	36	.37	.148	19	17	.20	159	.13	2	1.95	.04	.18	1	2
993E 1036N	1	24	10	87	.1	12	6	471	2.48	4	5	ND	5	39	.3	2	2	42	.31	.109	19	17	.20	143	.13	2	2.01	.03	.16	1	3
993E 1033N	1	27	15	89	.1	13	7	391	2.83	9	5	ND	7	37	.3	2	2	47	.31	.119	18	20	.25	140	.15	2	2.25	.03	.22	1	1
993E 1030N	1	25	11	108	.1	13	6	399	2.65	4	5	ND	7	37	.4	2	2	45	.32	.114	21	19	.22	142	.14	3	2.00	.03	.18	1	2
993E 1027N	1	23	10	93	.1	12	6	384	2.35	3	5	ND	5	40	.7	2	2	38	.33	.106	18	17	.19	181	.13	2	2.03	.03	.19	1	1
993E 1024N	1	23	10	93	.1	12	6	455	2.27	4	5	ND	5	44	.2	2	2	37	.33	.155	16	15	.18	201	.13	2	1.95	.04	.16	1	4
993E 1021N	1	37	13	89	.1	15	7	428	2.63	7	5	ND	7	44	.6	2	2	40	.36	.134	22	20	.24	168	.15	3	2.37	.04	.25	1	2
993E 1018N	1	38	11	107	.1	17	7	506	2.46	14	5	ND	5	39	.4	2	2	39	.29	.157	24	19	.24	185	.16	3	2.55	.03	.18	1	3
993E 1015N	1	29	17	104	.1	20	8	330	3.09	12	5	ND	8	30	.4	2	2	46	.21	.294	19	23	.28	179	.16	2	2.30	.02	.22	1	9
RE 993E 1024N	1	24	13	99	.1	13	6	480	2.41	4	5	ND	6	46	.2	2	2	35	.34	.163	18	16	.19	208	.14	2	2.04	.03	.17	1	6
993E 1012N	1	54	8	101	.2	55	10	512	3.05	11	5	ND	3	26	.4	2	2	49	.22	.093	9	53	.65	240	.20	2	2.82	.03	.14	1	9
993E 1009N	1	39	10	91	.3	24	8	575	2.22	18	5	ND	3	22	.6	3	2	38	.19	.148	10	22	.22	199	.16	3	2.67	.03	.12	1	2
993E 1006N	1	26	8	55	.2	21	7	359	2.09	9	5	ND	2	24	.2	2	2	36	.20	.032	5	20	.21	300	.15	2	2.19	.03	.13	2	5
993E 1003N	1	73	10	43	.2	21	6	154	3.09	8	5	ND	3	40	.4	2	2	46	.59	.018	35	23	.28	155	.15	2	2.10	.03	.11	1	9
993E 1000N	1	40	11	72	.1	17	7	466	2.48	14	5	ND	5	26	.3	3	2	42	.24	.127	25	19	.21	168	.16	2	2.92	.03	.13	1	6
993E 997N	1	48	13	103	.2	25	7	663	2.68	32	5	ND	4	31	.5	3	2	43	.24	.174	15	24	.25	183	.15	2	2.54	.03	.13	1	40
993E 994N	1	39	12	101	.2	21	7	429	2.64	26	5	ND	6	30	.6	3	2	45	.26	.140	22	23	.26	173	.15	3	2.43	.03	.14	1	34
993E 991N	1	36	13	72	.1	16	7	480	2.58	21	5	ND	6	34	.2	3	2	47	.30	.108	29	23	.24	151	.14	2	1.97	.03	.16	1	8
993E 988N	1	36	14	94	.2	19	7	499	2.64	26	5	ND	6	32	.7	3	2	47	.30	.120	25	21	.26	174	.17	2	2.40	.03	.18	1	7
993E 985N	1	26	14	137	.1	21	8	818	2.77	24	5	ND	5	38	.4	2	2	44	.37	.300	12	21	.27	279	.17	2	2.53	.03	.18	1	2
993E 982N	1	31	15	111	.1	21	8	567	2.75	15	5	ND	5	29	.4	3	2	47	.24	.148	17	23	.27	239	.17	3	2.36	.03	.18	1	3
993E 979N	1	33	10	131	.2	27	9	448	2.68	15	5	ND	3	28	.2	4	2	48	.23	.121	9	26	.50	263	.18	3	2.27	.03	.22	1	4
993E 976N	1	44	12	107	.1	25	8	597	2.53	19	5	ND	4	31	.5	4	2	45	.29	.126	18	23	.28	187	.15	2	2.13	.04	.18	1	2
STANDARD C/AU-S	19	63	39	131	7.2	71	31	1033	3.93	41	18	8	37	52	17.3	16	21	58	.48	.089	37	57	.87	177	.09	33	1.87	.08	.15	10	53

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. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

Total = 478 sx

DATE RECEIVED: MAY 15 1992 DATE REPORT MAILED: May 22/92 SIGNED BY: ..... J. 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	Au* ppb
993E 973N	1	44	14	96	.1	26	8	629	2.32	28	5	ND	3	35	.6	2	2	41	.33	.112	17	22	.28	174	.16	3	2.37	.04	.16	1	5
993E 970N	1	35	13	143	.1	40	9	699	2.62	23	5	ND	4	30	.6	2	2	45	.25	.150	11	24	.30	292	.16	3	2.24	.03	.16	1	2
1001E 1081N	1	33	16	120	.1	17	6	547	2.66	9	5	ND	6	24	.7	2	2	47	.29	.113	9	19	.23	142	.17	3	2.78	.03	.13	2	2
1001E 1078N	1	43	22	123	.4	17	7	406	2.88	12	5	ND	5	35	.9	2	2	52	.45	.165	20	18	.23	121	.17	3	3.27	.04	.14	2	5
1001E 1075N	1	34	24	147	.2	19	7	367	2.68	15	5	ND	5	37	.5	2	2	44	.43	.207	10	19	.22	158	.15	3	2.64	.03	.14	1	9
1001E 1072N	1	35	19	107	.1	16	7	434	3.10	12	5	ND	6	38	.4	2	2	56	.50	.115	14	18	.27	135	.16	3	2.42	.03	.19	1	3
1001E 1069N	1	26	15	130	.2	13	6	444	2.86	7	5	ND	5	34	.4	2	2	45	.43	.099	12	16	.22	143	.15	3	2.14	.03	.22	1	2
1001E 1066N	1	35	16	149	.1	19	7	438	3.15	11	5	ND	2	38	.8	2	2	55	.53	.103	9	19	.25	98	.13	4	2.59	.03	.14	1	1
1001E 1063N	1	27	13	136	.1	16	6	549	3.18	9	5	ND	3	34	.2	2	2	58	.47	.104	8	20	.31	137	.12	3	2.38	.02	.16	1	2
1001E 1060N	1	24	12	134	.1	12	5	679	1.96	7	5	ND	4	34	.5	2	2	34	.34	.123	12	14	.16	171	.14	3	2.18	.03	.13	1	2
1001E 1057N	1	27	16	115	.1	13	6	664	2.31	8	5	ND	4	29	.7	2	2	38	.31	.165	12	16	.19	136	.15	3	2.77	.03	.12	1	1
1001E 1054N	1	28	15	75	.1	13	7	760	2.64	9	5	ND	5	35	.6	2	2	45	.43	.078	18	16	.22	114	.15	3	2.66	.03	.13	1	1
1001E 1051N	1	28	14	79	.1	12	7	942	2.63	5	5	ND	2	39	.5	2	2	48	.41	.112	18	16	.22	124	.14	2	2.39	.03	.14	1	2
1001E 1048N	3	54	15	102	.1	14	11	2343	3.46	10	5	ND	1	37	.7	2	2	62	.68	.068	13	15	.25	109	.08	2	2.28	.03	.18	1	1
1001E 1045N	5	212	15	129	.2	27	26	2083	4.37	16	5	ND	1	39	.9	2	2	75	.89	.092	20	17	.50	95	.11	3	2.65	.02	.22	1	7
1001E 1042N	1	90	18	109	.1	18	13	1420	3.49	11	5	ND	1	46	.7	2	2	73	.81	.097	28	21	.51	99	.10	2	2.35	.02	.26	1	4
1001E 1039N	1	37	14	94	.1	12	8	866	2.87	7	5	ND	3	35	.3	2	2	53	.53	.079	25	20	.26	113	.12	2	1.97	.02	.23	1	1
1001E 1036N	1	34	14	82	.1	12	7	642	2.63	5	5	ND	6	30	.3	2	2	49	.37	.074	28	19	.22	113	.13	2	1.72	.02	.20	1	2
1001E 1033N	1	25	11	75	.1	11	6	521	2.38	4	5	ND	5	37	.4	2	2	44	.40	.049	22	18	.19	118	.13	3	1.73	.02	.17	1	1
1001E 1030N	1	24	13	93	.1	14	6	448	2.67	6	5	ND	7	40	.4	2	2	44	.34	.105	21	18	.21	130	.14	3	2.25	.03	.17	1	4
1001E 1027N	1	23	15	111	.1	15	7	540	2.58	8	5	ND	6	41	.4	2	2	41	.34	.152	25	20	.20	156	.13	3	2.15	.03	.21	1	4
1001E 1024N	1	31	18	112	.1	15	8	717	2.85	6	5	ND	7	45	.6	2	2	46	.43	.113	24	18	.23	180	.15	4	2.50	.03	.22	1	1
1001E 1021N	1	24	11	83	.1	12	6	418	2.46	5	5	ND	5	44	.3	2	2	43	.32	.127	16	18	.22	122	.13	2	1.75	.03	.16	1	4
RE 1001E 1030N	1	25	13	94	.1	14	7	451	2.68	6	5	ND	5	40	.6	2	2	47	.34	.106	21	18	.21	130	.14	3	2.25	.03	.18	2	6
1001E 1018N	1	28	15	87	.1	16	7	352	2.59	12	5	ND	5	37	.5	2	2	43	.31	.122	13	21	.25	148	.15	2	1.85	.03	.20	1	4
1001E 1015N	1	38	16	110	.1	17	8	620	2.56	22	5	ND	6	31	.3	2	2	39	.29	.154	17	19	.22	162	.15	3	2.39	.03	.15	1	18
1001E 1012N	4	337	12	130	.2	34	45	513	5.10	31	5	ND	3	40	1.0	2	2	52	.33	.123	11	23	.48	213	.15	2	2.29	.03	.14	2	120
1001E 1009N	3	194	19	118	.3	23	15	487	4.05	14	5	ND	3	27	.2	2	2	38	.32	.088	9	24	.25	197	.15	3	1.88	.03	.12	1	29
1001E 1006N	4	362	20	221	.4	29	29	769	5.58	20	5	ND	3	42	1.3	2	2	49	.56	.077	17	27	.49	179	.15	3	2.22	.03	.14	1	20
1001E 1003N	1	82	14	137	.2	25	12	633	2.77	31	5	ND	3	23	.5	2	2	43	.20	.122	12	21	.26	166	.14	3	2.51	.03	.13	1	15
1001E 1000N	1	42	16	119	.1	24	9	505	2.58	22	5	ND	4	32	.5	2	2	43	.31	.139	13	24	.29	199	.16	3	2.52	.03	.14	1	9
1001E 997N	1	39	12	116	.1	24	8	876	2.62	29	5	ND	6	29	.8	2	2	45	.22	.208	13	20	.26	208	.18	2	3.25	.02	.13	1	4
1001E 994N	1	41	13	115	.2	24	9	673	2.83	23	5	ND	6	29	.4	2	2	48	.24	.150	18	25	.28	180	.16	2	2.60	.02	.14	1	9
1001E 991N	1	42	13	106	.2	21	8	442	2.83	33	5	ND	8	33	.4	2	2	48	.25	.162	22	22	.26	177	.16	2	2.54	.03	.14	1	13
1001E 988N	1	42	15	108	.1	23	8	368	3.01	23	5	ND	8	25	.2	2	2	51	.22	.155	15	24	.30	158	.16	2	2.34	.03	.17	1	9
1001E 985N	1	28	12	114	.1	17	7	649	2.34	10	5	ND	5	37	.5	2	2	39	.27	.125	14	19	.22	213	.14	2	2.01	.03	.15	1	2
1001E 982N	1	36	14	123	.2	23	8	647	2.51	17	5	ND	5	35	.3	2	2	42	.26	.172	20	21	.25	254	.15	3	2.32	.03	.16	1	2
STANDARD C/AU-S	19	63	40	132	7.2	72	31	1041	3.97	42	17	7	38	52	17.2	16	23	57	.48	.090	34	57	.88	177	.09	33	1.89	.08	.15	11	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1001E 979N	1	30	13	140	.2	29	7	527	2.38	19	5	ND	5	40	.4	2	2	40	.29	.175	17	21	.27	263	.14	3	2.02	.03	.18	1	3
1001E 976N	1	24	10	128	.1	21	6	854	1.85	14	5	ND	2	44	.2	2	2	34	.38	.111	11	19	.22	319	.13	3	1.62	.04	.18	1	2
1001E 973N	1	47	9	126	.1	29	8	649	2.37	32	5	ND	4	34	.2	2	2	42	.28	.169	23	21	.28	252	.15	2	2.24	.04	.23	1	1
1001E 970N	1	42	9	125	.1	32	8	781	2.15	27	5	ND	3	32	.3	2	2	36	.28	.134	16	22	.26	245	.14	3	2.11	.04	.19	1	1
1009E 1078N	1	22	15	125	.1	14	5	317	2.11	10	5	ND	3	36	.3	2	2	33	.33	.117	10	14	.17	126	.14	2	2.18	.04	.16	1	1
1009E 1075N	1	20	23	109	.1	9	5	311	2.48	6	5	ND	5	26	.2	2	2	33	.25	.047	12	10	.21	154	.16	3	2.05	.04	.34	1	1
1009E 1072N	1	41	15	145	.2	17	7	341	2.85	11	5	ND	4	38	.2	2	2	43	.43	.136	10	15	.27	121	.16	4	2.80	.03	.24	1	1
1009E 1069N	1	40	16	130	.2	17	7	385	2.56	14	5	ND	5	35	.6	2	2	45	.41	.117	15	16	.22	119	.18	3	3.49	.04	.12	2	2
1009E 1066N	1	15	8	203	.1	11	4	461	1.83	7	5	ND	1	28	.5	2	2	34	.41	.064	5	14	.19	120	.14	4	1.79	.04	.15	1	1
1009E 1063N	1	45	14	139	.1	18	8	402	2.81	9	5	ND	4	38	.3	2	2	55	.44	.126	13	20	.47	129	.16	4	2.84	.04	.15	2	1
1009E 1060N	1	30	12	173	.2	16	7	1050	2.39	11	5	ND	3	47	.5	2	2	44	.49	.152	8	17	.27	165	.14	4	2.41	.04	.17	1	2
1009E 1057N	1	22	10	158	.1	11	5	849	2.14	6	5	ND	2	32	.2	2	2	40	.42	.040	7	16	.22	203	.15	3	1.98	.03	.18	1	1
1009E 1054N	1	28	15	163	.1	17	7	362	3.07	10	5	ND	5	44	.7	2	2	52	.50	.080	18	19	.47	112	.17	4	2.72	.03	.32	1	1
1009E 1051N	1	34	10	83	.1	16	7	287	3.09	6	5	ND	8	42	.2	2	2	55	.39	.079	36	28	.28	87	.17	3	1.89	.03	.27	1	2
1009E 1048N	1	25	11	94	.1	13	6	497	2.53	7	5	ND	4	42	.7	2	2	49	.46	.044	15	17	.23	113	.15	3	2.24	.03	.18	1	1
1009E 1045N	1	28	14	104	.1	15	7	832	2.71	9	5	ND	4	33	.5	2	2	51	.39	.102	18	17	.25	116	.15	3	2.53	.03	.14	1	1
1009E 1042N	1	32	15	90	.1	14	8	723	3.14	9	5	ND	6	35	.4	2	2	63	.41	.068	31	21	.26	96	.17	2	2.69	.03	.18	1	1
1009E 1039N	1	41	18	109	.1	16	8	702	3.18	8	5	ND	6	34	.7	2	2	62	.44	.048	29	22	.29	92	.17	2	2.38	.02	.24	1	5
1009E 1036N	1	38	17	110	.2	15	10	1342	3.07	17	5	ND	4	37	.9	2	2	61	.53	.066	22	20	.26	104	.15	3	2.81	.03	.19	1	5
1009E 1033N	1	27	14	104	.1	11	6	1026	2.38	10	5	ND	4	43	.5	2	2	44	.37	.064	25	16	.20	127	.14	3	2.34	.03	.18	1	1
1009E 1030N	1	62	18	85	.3	16	7	471	3.47	8	5	ND	8	37	.2	2	2	66	.46	.058	29	23	.28	75	.15	2	2.05	.02	.24	1	4
1009E 1027N	1	44	13	155	.1	20	8	458	3.08	9	5	ND	6	44	1.1	2	2	55	.53	.096	17	20	.46	113	.16	5	2.76	.03	.25	1	1
1009E 1024N	1	44	12	99	.1	18	9	365	2.88	8	5	ND	8	44	.4	2	2	47	.36	.129	19	24	.25	149	.15	3	2.32	.03	.21	1	21
1009E 1021N	1	43	12	113	.1	15	7	497	2.45	8	5	ND	5	50	.2	2	2	38	.35	.089	15	19	.20	183	.14	3	2.17	.04	.15	1	6
1009E 1018N	1	79	11	91	.1	17	12	481	2.65	13	5	ND	4	42	.2	2	2	35	.34	.142	17	16	.18	161	.14	3	2.25	.04	.14	1	7
1009E 1015N	1	32	15	77	.1	14	7	449	3.14	7	5	ND	13	46	.2	2	2	55	.50	.124	59	23	.49	100	.15	2	1.55	.03	.34	1	68
1009E 1012N	1	54	14	130	.2	25	11	250	2.73	13	5	ND	5	24	.3	2	2	44	.28	.034	13	23	.27	117	.18	3	2.66	.04	.15	1	1
1009E 1009N	1	61	10	143	.1	29	12	552	3.35	20	5	ND	4	56	.4	2	2	62	.33	.296	11	39	.56	294	.16	2	1.97	.02	.26	1	3
1009E 1006N	1	32	6	89	.1	17	7	441	2.08	13	5	ND	3	28	.5	2	2	34	.28	.132	12	19	.21	162	.15	2	2.24	.04	.11	1	3
1009E 1003N	1	21	10	103	.1	12	6	797	1.96	18	5	ND	3	42	.2	2	2	29	.30	.319	8	15	.14	315	.13	2	2.11	.03	.08	1	1
1009E 1000N	1	34	11	111	.1	22	8	947	2.60	19	5	ND	5	33	.4	3	2	44	.29	.289	13	23	.26	219	.17	2	2.88	.03	.13	1	2
RE 1009E 1009N	1	60	8	142	.1	29	12	548	3.33	22	5	ND	4	56	.4	2	2	62	.33	.296	12	39	.56	296	.16	2	1.97	.02	.26	1	4
1009E 997N	1	34	10	100	.1	22	7	632	2.41	22	5	ND	4	42	.6	2	2	39	.36	.238	17	24	.28	182	.18	3	2.78	.03	.15	1	7
1009E 994N	1	40	15	101	.1	21	8	433	2.85	29	5	ND	7	28	.3	3	2	49	.23	.184	18	23	.30	202	.18	3	2.98	.03	.13	2	19
1009E 991N	1	30	14	85	.1	19	7	680	2.32	25	5	ND	5	45	.4	2	2	37	.31	.140	14	21	.25	220	.17	3	2.65	.03	.13	1	6
1009E 988N	1	29	12	75	.1	17	6	599	2.06	16	5	ND	4	39	.4	2	2	37	.28	.173	16	18	.22	166	.16	3	2.63	.04	.11	1	1
1009E 985N	1	31	14	101	.1	24	8	545	2.59	19	5	ND	5	25	.4	3	2	45	.23	.173	12	22	.46	166	.17	3	2.72	.03	.12	2	15
STANDARD C/AU-S	19	63	38	133	7.1	71	31	1043	3.97	38	17	7	38	52	17.3	13	22	57	.48	.090	37	57	.89	177	.09	33	1.88	.08	.15	11	46

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1009E 982N	1	37	14	109	.1	29	9	726	2.82	25	5	ND	7	41	1.0	2	2	46	.31	.153	20	28	.49	220	.18	3	2.86	.03	.17	1	2
1009E 979N	1	51	14	115	.2	43	13	447	3.38	22	5	ND	7	41	1.3	2	2	56	.31	.073	25	33	.58	209	.21	3	3.00	.04	.29	2	5
1009E 976N	1	33	15	122	.1	29	9	458	2.82	17	5	ND	7	43	1.3	2	2	42	.36	.141	23	24	.47	252	.16	4	2.75	.03	.26	1	2
1009E 973N	1	50	15	106	.1	29	9	619	2.69	18	5	ND	7	35	.8	2	2	44	.29	.115	30	25	.46	231	.16	3	2.56	.03	.22	2	2
1009E 970N	1	43	14	87	.1	26	8	624	2.42	19	5	ND	6	29	.6	2	2	42	.29	.125	23	23	.30	253	.14	3	2.02	.04	.22	1	1
1018E 1078N	1	25	14	122	.1	14	6	649	2.29	10	5	ND	3	39	.7	2	2	37	.38	.177	9	14	.17	119	.16	4	2.91	.04	.12	1	6
1018E 1075N	1	63	13	100	.1	19	9	392	3.20	10	5	ND	4	46	.8	2	2	62	.42	.053	9	23	.43	98	.14	2	2.27	.03	.20	1	4
1018E 1072N	1	23	16	153	.1	15	5	366	2.06	10	5	ND	4	42	1.0	2	2	31	.38	.215	11	14	.19	149	.15	3	2.64	.03	.13	1	1
1018E 1069N	1	35	20	126	.1	15	6	348	2.54	11	5	ND	8	46	.7	2	2	37	.40	.229	16	15	.23	128	.18	3	3.16	.04	.19	2	1
1018E 1066N	1	28	12	122	.1	12	5	829	1.89	11	5	ND	2	90	.9	2	2	30	.88	.137	11	13	.18	149	.13	4	2.15	.04	.20	1	1
1018E 1063N	1	35	17	114	.1	17	7	384	3.02	13	5	ND	8	50	.6	2	2	55	.47	.188	22	21	.30	95	.16	3	2.71	.03	.15	1	1
1018E 1060N	1	32	15	113	.1	18	7	293	3.25	8	5	ND	13	41	.7	2	2	57	.46	.063	23	21	.36	104	.18	3	2.81	.03	.21	1	1
1018E 1057N	1	27	14	109	.1	15	6	390	3.09	18	5	ND	7	38	.8	2	2	55	.48	.046	19	22	.28	83	.17	3	2.30	.02	.29	1	2
1018E 1054N	1	34	21	123	.2	16	7	616	3.08	9	5	ND	7	46	.9	2	2	58	.51	.102	40	22	.28	89	.15	3	2.05	.03	.32	1	2
1018E 1051N	1	28	14	108	.1	13	6	457	2.93	5	5	ND	7	37	.9	2	2	49	.44	.069	29	18	.24	85	.15	4	2.14	.03	.31	1	1
1018E 1048N	1	32	18	126	.1	16	7	404	3.17	9	5	ND	8	45	.9	2	2	55	.50	.071	27	20	.29	76	.16	4	2.68	.03	.26	2	2
1018E 1045N	1	22	14	142	.1	12	5	449	2.79	4	5	ND	5	41	.5	2	2	46	.43	.057	16	19	.24	79	.15	4	1.85	.03	.26	1	1
1018E 1042N	1	29	14	119	.1	16	7	423	2.86	5	5	ND	6	38	.5	2	2	52	.44	.053	20	20	.25	98	.15	4	2.18	.03	.22	2	2
1018E 1039N	1	34	15	102	.1	16	8	465	3.07	11	5	ND	7	35	.7	2	2	57	.35	.116	22	22	.24	79	.13	3	2.24	.03	.13	1	3
1018E 1036N	1	39	17	129	.1	17	9	419	3.02	11	5	ND	7	39	.6	2	2	52	.38	.123	15	23	.29	136	.16	3	2.46	.03	.15	1	7
1018E 1033N	1	18	13	118	.1	11	6	480	2.50	5	5	ND	6	37	.3	2	2	42	.33	.122	16	19	.20	156	.13	2	1.63	.03	.16	1	1
1018E 1030N	1	26	14	114	.1	12	7	751	2.28	8	5	ND	4	38	.6	2	2	33	.37	.219	16	16	.18	197	.13	3	2.26	.04	.14	1	2
1018E 1027N	1	43	14	112	.2	22	9	510	2.71	18	5	ND	6	36	.8	2	2	43	.39	.280	14	21	.27	175	.16	3	3.18	.03	.13	2	12
RE 1018E 1036N	1	38	14	129	.1	18	9	424	3.05	9	5	ND	7	40	.8	2	2	50	.38	.126	15	22	.29	137	.16	2	2.49	.03	.15	1	9
1018E 1024N	1	39	20	133	.2	19	7	410	2.71	13	5	ND	7	32	.6	2	2	40	.30	.240	14	19	.24	191	.16	3	2.77	.03	.16	2	7
1018E 1021N	1	63	13	115	.1	24	10	557	3.06	22	5	ND	6	34	.6	2	2	47	.34	.252	20	26	.31	202	.18	2	2.92	.03	.14	1	92
1018E 1013N	1	71	15	84	.5	21	9	290	2.86	18	5	ND	7	35	.6	2	2	48	.37	.138	30	27	.29	108	.18	2	3.30	.03	.13	2	6
1018E 1015N	1	40	17	88	.2	20	8	390	2.67	8	5	ND	6	31	.6	2	2	42	.35	.125	24	25	.27	117	.17	2	2.64	.04	.12	1	2
1018E 1012N	1	33	14	78	.1	16	7	313	2.64	10	5	ND	7	34	.6	2	2	42	.34	.211	22	20	.22	140	.16	3	2.74	.03	.13	2	5
1018E 1009N	1	32	12	97	.1	23	8	418	2.79	11	5	ND	6	39	.3	2	2	47	.37	.137	17	27	.36	186	.18	3	2.66	.03	.16	1	11
1018E 1006N	1	36	16	103	.1	22	8	309	2.98	12	5	ND	7	33	.9	2	2	49	.33	.161	17	31	.49	181	.20	2	2.42	.03	.14	1	4
1018E 1003N	1	38	15	100	.1	21	8	459	2.58	10	5	ND	5	35	.3	2	2	40	.39	.148	21	30	.43	178	.18	2	2.33	.04	.17	1	26
1018E 1000N	1	49	17	109	.2	29	10	389	3.25	13	5	ND	7	41	.3	2	2	55	.39	.189	25	38	.58	164	.21	3	2.75	.03	.20	2	6
1018E 997N	1	61	17	96	.1	27	9	439	2.68	11	5	ND	5	46	.2	2	2	44	.52	.117	30	29	.50	169	.19	3	2.74	.04	.15	1	5
1018E 994N	1	53	15	115	.1	30	10	539	3.05	14	5	ND	7	33	.3	2	2	52	.39	.158	36	35	.58	148	.21	2	2.92	.04	.16	1	4
1018E 991N	1	54	15	121	.1	31	10	624	2.98	15	5	ND	6	41	.2	2	2	50	.59	.128	35	32	.56	138	.20	2	2.75	.03	.17	1	2
1018E 988N	1	40	12	80	.1	26	8	475	2.69	14	5	ND	7	40	.3	2	2	52	.35	.143	24	30	.46	174	.15	2	1.80	.03	.15	1	4
STANDARD C/AU-S	19	58	39	133	7.1	71	31	1043	3.97	41	19	8	37	51	17.2	16	21	58	.48	.090	34	55	.88	178	.09	34	1.90	.08	.15	11	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1018E 985N	1	30	12	107	.3	20	6	512	2.17	18	5	ND	7	35	.2	2	2	36	.29	.221	24	25	.31	221	.14	4	2.14	.06	.15	1	14
1018E 982N	1	32	9	68	.1	18	6	561	2.00	10	5	ND	5	35	.2	2	2	35	.31	.107	21	25	.35	183	.15	4	1.98	.08	.15	1	2
1018E 979N	1	32	9	64	.4	22	7	453	2.16	10	5	ND	6	38	.2	4	2	40	.38	.058	22	30	.45	124	.17	4	2.26	.08	.17	1	2
1018E 976N	1	26	13	89	.2	23	8	661	2.41	16	5	ND	6	40	.2	3	2	41	.39	.138	20	31	.45	210	.16	4	2.21	.05	.20	1	3
1018E 973N	1	28	9	80	.3	20	7	569	2.26	19	5	ND	6	36	.2	5	2	40	.36	.092	25	29	.42	180	.15	4	2.06	.07	.23	1	2
1018E 970N	1	39	11	90	.3	23	9	622	2.67	19	5	ND	7	41	.2	2	2	45	.38	.173	32	31	.48	223	.16	5	2.41	.07	.28	1	3
1018E 967N	1	38	11	96	.4	25	9	731	2.52	19	5	ND	7	43	.2	5	2	43	.42	.134	25	33	.49	235	.16	5	2.19	.06	.23	1	1
1018E 964N	1	43	12	106	.4	30	11	697	2.91	29	6	ND	7	40	.2	3	2	50	.40	.131	27	35	.56	251	.16	5	2.43	.06	.24	1	1
1018E 961N	1	41	10	109	.1	31	10	755	2.98	33	5	ND	6	42	.2	2	2	54	.39	.081	29	38	.60	205	.18	5	2.48	.06	.34	1	1
1018E 958N	1	33	12	86	.2	21	9	850	2.54	18	5	ND	5	30	.2	4	2	47	.28	.089	24	32	.47	245	.14	4	1.88	.05	.35	1	2
1018E 955N	1	36	7	79	.3	23	9	652	2.45	18	5	ND	5	33	.2	3	2	45	.31	.064	27	31	.44	186	.14	4	1.86	.04	.31	1	3
1018E 952N	1	31	14	96	.4	27	12	1263	2.86	27	5	ND	4	39	.2	5	2	49	.39	.108	30	38	.54	221	.13	4	2.43	.04	.23	1	3
1018E 949N	1	38	16	89	.1	31	12	869	3.29	22	5	ND	6	40	.2	2	2	56	.42	.058	38	43	.64	181	.17	4	2.73	.06	.44	1	1
1018E 946N	1	39	20	134	.2	31	13	1228	3.25	25	5	ND	4	57	.2	2	2	51	.53	.074	36	39	.66	158	.16	5	2.80	.06	.23	1	1
1018E 943N	1	51	30	125	.6	75	22	1192	4.67	48	5	ND	5	53	.4	2	2	78	.60	.069	28	79	1.41	121	.21	3	2.69	.05	.31	1	13
1018E 940N	1	43	30	140	.5	56	20	1170	4.39	58	5	ND	5	40	.5	4	2	78	.52	.070	29	67	1.25	151	.21	5	2.85	.06	.47	1	1
1032E 979N	1	19	9	104	.1	25	7	1094	2.33	16	5	ND	2	33	.2	2	2	41	.32	.088	14	28	.42	204	.14	4	2.09	.06	.12	1	1
1032E 973N	1	21	10	74	.1	16	6	804	2.14	14	5	ND	4	26	.2	2	2	37	.33	.084	21	21	.35	205	.14	4	2.18	.05	.16	1	2
1032E 970N	1	25	14	86	.1	18	7	606	2.33	26	5	ND	5	27	.2	5	2	42	.30	.140	26	24	.38	204	.15	4	2.53	.04	.16	1	2
1032E 967N	1	24	14	100	.2	21	8	649	2.61	29	5	ND	4	28	.2	2	2	46	.37	.093	31	29	.45	193	.16	4	2.52	.05	.18	1	2
1032E 964N	1	33	17	108	.3	24	11	886	3.16	95	6	ND	6	27	.2	2	2	55	.38	.064	35	30	.50	186	.18	4	3.06	.04	.21	1	3
RE 1032E 973N	1	22	13	73	.1	17	7	810	2.15	19	5	ND	4	27	.2	2	2	37	.33	.085	22	21	.35	207	.14	4	2.21	.06	.16	1	1
1032E 961N	1	20	17	106	.1	20	8	678	3.03	23	5	ND	6	31	.2	2	2	47	.33	.067	22	28	.45	240	.18	4	2.87	.04	.22	1	1
1032E 958N	1	19	15	96	.3	18	7	627	2.61	14	5	ND	4	34	.2	3	2	41	.28	.077	20	26	.39	250	.17	4	2.72	.04	.19	1	1
1032E 955N	1	17	28	141	.4	15	6	641	2.85	19	8	ND	10	46	.2	5	2	37	.32	.180	30	17	.37	399	.18	4	2.88	.04	.21	1	1
1032E 952N	1	23	16	83	.3	18	7	1144	2.38	15	7	ND	5	44	.2	3	2	40	.36	.102	26	22	.38	212	.17	4	3.04	.04	.12	1	1
1032E 949N	1	25	22	89	.2	23	9	776	2.94	18	5	ND	5	35	.2	2	2	51	.29	.087	30	30	.50	220	.18	4	3.37	.03	.14	1	1
1032E 946N	1	25	29	146	.1	13	7	1273	3.06	30	5	ND	7	60	.2	2	2	39	.57	.082	64	15	.40	252	.18	4	2.90	.05	.29	1	1
1032E 943N	1	46	18	105	.3	26	13	983	3.79	34	5	ND	4	51	.3	2	2	68	.49	.054	27	33	.72	181	.16	4	3.53	.05	.21	1	3
1040E 979N	1	49	17	170	.1	30	12	404	3.13	21	5	ND	4	31	.2	2	2	53	.29	.066	12	28	.61	168	.15	5	2.70	.05	.15	1	1
1040E 976N	1	14	5	102	.1	11	7	1026	1.56	17	5	ND	1	19	.2	2	2	29	.19	.081	6	15	.25	179	.11	3	1.45	.08	.10	1	1
1040E 973N	1	24	13	111	.2	20	8	600	2.57	21	8	ND	4	26	.2	6	2	48	.27	.055	16	26	.51	182	.15	3	2.49	.05	.18	1	4
1040E 970N	1	48	16	150	.6	17	19	2232	3.41	50	5	ND	2	34	.2	2	2	63	.44	.097	18	23	.53	160	.12	4	2.81	.05	.13	1	2
1040E 967N	1	38	15	96	.1	19	12	1331	2.71	23	5	ND	4	27	.2	2	2	50	.32	.065	17	23	.45	195	.16	4	2.55	.05	.12	1	2
1040E 964N	1	23	15	84	.2	20	7	413	2.67	17	9	ND	5	27	.2	3	2	50	.25	.039	18	28	.52	240	.18	4	2.53	.05	.18	1	1
1040E 961N	1	31	25	157	.4	30	12	822	3.33	77	8	ND	6	22	.2	3	2	57	.26	.098	24	28	.52	128	.21	5	3.53	.04	.12	1	13
1040E 958N	1	19	16	150	.1	16	7	1375	2.32	39	5	ND	3	37	.2	2	2	36	.28	.145	24	21	.34	286	.15	5	2.50	.06	.14	1	2
STANDARD C/AU-S	20	58	41	136	6.9	72	31	1062	4.04	41	25	7	39	52	18.9	18	22	58	.49	.092	36	59	.91	179	.09	37	1.96	.09	.15	11	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1040E 955N	1	22	16	89	.1	13	6	1145	2.06	13	5	ND	3	49	.2	2	2	33	.44	.128	21	15	.20	252	.15	3	2.59	.03	.14	1	7
1040E 952N	1	28	18	174	.2	19	10	1403	3.16	22	5	ND	1	50	.2	2	2	46	.66	.073	22	16	.36	275	.12	5	2.57	.03	.19	1	3
1040E 949N	1	36	28	139	.3	18	8	1534	2.74	24	5	ND	3	55	.6	2	2	41	.48	.174	53	17	.26	299	.16	3	3.09	.02	.13	2	5
1040E 946N	1	75	21	132	.3	26	21	1774	3.57	25	5	ND	1	37	.6	2	2	62	.65	.064	15	22	.74	165	.12	3	2.37	.03	.30	1	2
1040E 943N	1	42	20	108	.1	22	13	989	3.02	14	5	ND	2	35	.2	2	4	48	.42	.064	22	24	.36	177	.15	3	2.45	.03	.32	2	17
1048E 961N	1	26	14	78	.1	15	9	769	2.43	9	5	ND	2	34	.2	2	2	45	.42	.081	14	18	.32	184	.16	4	2.62	.03	.16	2	1
1048E 958N	1	32	8	74	.1	11	13	1448	2.65	9	5	ND	1	38	.2	2	2	55	.61	.073	8	15	.51	133	.12	3	2.35	.03	.13	1	3
1048E 955N	1	64	14	152	.6	25	61	1985	5.77	17	5	ND	1	73	.5	2	2	87	1.13	.358	6	19	1.11	150	.14	4	3.17	.03	.14	3	7
1048E 952N	1	32	12	95	.1	20	17	1209	3.88	10	5	ND	2	28	.4	3	2	84	.43	.067	15	23	1.10	132	.19	2	3.28	.03	.19	3	1
1048E 949N	1	34	2	136	.1	23	25	2056	5.97	12	5	ND	1	43	.2	2	2	127	.74	.094	5	22	2.64	134	.24	2	4.64	.08	.47	2	2
1048E 946N	1	50	11	132	.7	22	30	2034	6.51	9	5	ND	1	28	.7	2	2	161	1.15	.078	3	23	3.10	167	.29	3	3.71	.04	.64	2	5
1048E 943N	1	54	14	132	.4	21	24	1715	5.47	24	5	ND	2	34	.4	2	2	126	.60	.066	43	20	2.01	138	.21	3	3.54	.04	.47	2	3
1048E 940N	1	159	39	160	2.1	18	29	3566	5.54	40	5	ND	1	52	1.6	2	2	102	1.27	.208	26	18	1.29	190	.09	5	3.48	.02	.31	2	11
1048E 937N	1	83	10	128	.4	25	27	1484	5.49	14	5	ND	1	38	.6	2	2	120	.79	.049	14	22	2.33	170	.20	4	3.90	.05	.41	2	5
1048E 934N	1	50	11	92	.2	22	18	1056	3.87	16	5	ND	3	36	.4	2	3	80	.51	.053	16	22	1.22	189	.20	3	3.14	.04	.49	2	3
1048E 931N	1	54	21	125	.3	19	20	1359	4.60	62	5	ND	5	46	.4	2	2	85	.68	.076	37	18	.95	182	.20	3	3.85	.04	.67	2	10
1056E 961N	1	29	10	90	.1	25	12	929	3.08	13	5	ND	3	39	.2	2	2	59	.39	.053	17	28	.59	194	.17	3	2.83	.04	.28	2	4
1056E 958N	1	21	14	118	.1	125	15	1937	3.25	10	5	ND	1	55	.2	2	2	61	.54	.143	5	115	1.98	160	.14	2	3.13	.08	.08	1	3
1056E 955N	1	51	8	95	.1	18	10	2345	2.26	12	5	ND	1	50	.2	2	2	34	.67	.127	4	18	.30	141	.09	2	2.00	.04	.09	1	1
1056E 952N	1	50	12	158	.1	34	15	970	3.57	13	5	ND	3	43	.6	2	2	66	.53	.076	14	31	.82	168	.17	3	3.29	.03	.28	2	5
1056E 949N	1	47	13	268	.1	21	11	841	2.94	12	5	ND	1	42	1.6	2	2	53	.41	.071	14	22	.57	155	.15	3	2.51	.04	.32	1	2
① 1056E 946N	1	80	14	461	.6	20	16	1093	3.85	17	5	ND	1	37	2.4	2	5	69	.81	.058	22	21	.84	125	.17	3	3.08	.05	.26	3	65
1056E 943N	1	27	13	92	.1	16	13	1371	3.21	15	5	ND	1	28	.2	2	2	66	.36	.083	10	18	.59	140	.14	2	2.87	.03	.17	1	13
1056E 940N	1	100	7	96	.4	15	18	1971	3.80	23	5	ND	1	56	.6	2	2	94	1.21	.129	7	18	1.61	130	.15	6	2.30	.05	.30	1	10
1056E 937N	1	42	16	148	.4	18	21	1480	5.07	16	5	ND	3	46	.3	2	2	101	.78	.084	30	19	1.94	195	.24	4	3.37	.04	.71	3	9
852N 1006E	1	50	17	83	.2	22	9	439	2.51	21	5	ND	3	25	.2	2	2	44	.23	.130	11	24	.25	137	.13	2	2.31	.03	.10	1	3
852N 1010E	1	25	7	53	.1	16	6	376	1.96	10	5	ND	3	26	.2	2	2	36	.21	.129	9	22	.19	187	.11	2	1.52	.03	.07	1	2
852N 1014E	1	26	10	64	.2	21	8	444	2.30	22	5	ND	3	32	.2	2	2	38	.27	.104	14	23	.25	140	.15	2	2.26	.03	.10	1	3
852N 1018E	1	34	8	62	.1	27	9	306	2.57	26	5	ND	5	26	.2	2	2	43	.25	.063	16	25	.27	117	.14	3	2.21	.03	.09	2	4
852N 1022E	1	34	10	73	.1	38	10	599	2.39	30	5	ND	2	31	.2	2	2	39	.30	.140	10	26	.30	156	.14	3	2.29	.03	.10	1	4
852N 1026E	1	25	9	73	.1	40	10	576	2.53	25	5	ND	2	36	.2	2	2	39	.28	.096	8	27	.30	133	.13	3	1.98	.02	.12	1	3
RE 852N 1014E	1	27	7	65	.1	21	8	455	2.35	22	5	ND	3	33	.2	2	2	36	.28	.106	14	22	.26	144	.15	2	2.32	.04	.10	1	4
852N 1030E	1	28	11	82	.1	24	8	536	2.37	28	5	ND	3	34	.2	2	2	40	.34	.160	12	25	.25	120	.13	3	2.04	.03	.07	1	2
852N 1034E	1	39	11	87	.1	29	9	447	2.39	26	5	ND	3	56	.2	2	2	45	.59	.066	16	28	.46	113	.13	3	1.90	.03	.12	1	9
852N 1038E	1	26	13	73	.1	17	7	320	2.41	17	5	ND	6	22	.2	2	2	41	.20	.133	17	22	.23	119	.13	2	2.13	.02	.10	1	2
852N 1046E	1	31	9	78	.1	23	8	366	2.58	20	5	ND	4	27	.2	2	2	43	.27	.136	11	26	.27	133	.14	2	2.33	.02	.10	1	4
852N 1050E	1	29	9	66	.1	22	7	322	2.40	18	5	ND	5	27	.2	3	2	43	.25	.083	13	27	.26	161	.14	2	2.02	.03	.13	1	3
STANDARD C/AU-S	19	63	40	133	7.2	72	31	1037	3.95	41	19	8	38	52	17.4	15	22	57	.48	.090	35	57	.88	177	.09	34	1.88	.08	.15	11	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

① [illegible] soil ([illegible]), in place

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
852N 1054E	1	21	18	103	.1	19	6	574	2.49	17	5	ND	5	32	.2	3	2	39	.29	.162	14	27	.38	215	.16	5	2.70	.05	.11	1	4
852N 1058E	1	25	12	71	.1	21	7	397	2.59	16	5	ND	5	38	.2	2	2	43	.39	.072	17	33	.47	120	.16	4	2.42	.06	.12	1	1
852N 1062E	1	22	13	60	.1	21	7	428	2.70	20	5	ND	5	52	.2	2	2	44	.53	.087	22	33	.43	132	.15	5	2.62	.05	.12	1	3
840N 998E	1	47	10	117	.3	30	9	375	3.03	51	5	ND	6	27	.2	2	2	49	.27	.222	14	36	.50	158	.17	5	2.92	.05	.16	1	2
840N 1002E	1	25	8	73	.1	23	7	313	2.51	16	5	ND	5	25	.2	2	2	46	.26	.067	12	33	.38	169	.14	4	1.63	.04	.14	1	4
840N 1006E	1	35	13	80	.3	23	7	378	2.43	18	9	ND	5	25	.2	5	2	40	.26	.173	19	27	.36	141	.15	4	2.44	.05	.13	1	3
840N 1010E	1	32	8	94	.1	21	7	674	2.37	21	5	ND	3	28	.2	2	2	38	.26	.159	12	27	.35	165	.14	3	2.26	.05	.10	1	3
840N 1014E	1	33	7	68	.1	28	8	444	2.57	22	5	ND	4	29	.2	2	2	46	.26	.078	13	30	.46	170	.15	4	2.00	.05	.10	1	4
840N 1018E	1	22	7	76	.1	39	9	496	2.46	37	5	ND	3	22	.2	2	2	37	.21	.091	9	28	.34	116	.14	4	2.29	.05	.09	1	5
RE 840N 1034E	1	92	10	108	.4	21	5	299	1.95	10	5	ND	2	96	.3	2	2	28	1.03	.071	19	27	.43	185	.11	5	1.66	.10	.17	1	1
840N 1022E	1	62	9	99	.3	30	8	547	2.50	17	5	ND	4	80	.5	2	2	39	.71	.040	19	38	.55	133	.16	5	1.97	.09	.19	1	3
840N 1026E	1	35	9	90	.1	30	9	513	2.64	24	5	ND	5	28	.2	2	3	44	.24	.153	17	33	.43	162	.15	4	2.28	.04	.11	1	2
840N 1030E	1	21	11	92	.1	21	7	518	2.67	18	5	ND	3	61	.2	2	3	43	.48	.225	16	36	.46	298	.13	5	1.93	.05	.14	1	5
840N 1034E	1	97	7	111	.1	21	5	308	1.97	7	5	ND	1	100	.4	2	2	29	1.07	.071	20	28	.44	190	.10	5	1.67	.11	.18	1	2
840N 1038E	1	26	8	75	.3	19	7	428	2.33	13	6	ND	5	30	.2	2	2	36	.30	.148	14	26	.34	161	.16	4	2.52	.05	.12	1	9
840N 1042E	1	30	12	99	.1	24	8	455	2.76	50	5	ND	6	31	.2	2	2	47	.32	.195	22	37	.47	180	.17	4	2.85	.05	.14	1	3
840N 1046E	1	28	12	93	.1	21	7	461	2.72	15	5	ND	5	30	.2	2	2	47	.31	.154	19	32	.45	179	.16	4	2.57	.05	.13	1	1
840N 1050E	1	29	9	86	.1	25	10	360	2.98	16	5	ND	5	43	.2	2	2	46	.35	.040	17	32	.55	157	.19	4	2.68	.07	.11	1	11
840N 1054E	1	33	18	81	.3	34	8	446	2.28	17	5	ND	4	80	.3	2	2	34	.74	.033	16	34	.49	123	.13	4	1.87	.09	.12	1	4
840N 1058E	1	27	11	85	.3	29	8	447	2.51	15	5	ND	6	45	.2	3	2	41	.37	.210	21	33	.43	205	.14	4	2.33	.05	.13	1	1
840N 1062E	1	26	5	94	.1	18	7	641	2.04	10	5	ND	3	44	.2	2	2	36	.32	.168	11	28	.34	222	.13	3	1.68	.06	.10	1	2
840N 1066E	1	29	10	70	.2	23	8	361	2.75	17	5	ND	5	57	.2	2	2	49	.61	.068	18	34	.42	118	.15	5	2.31	.06	.11	1	6
840N 1070E	1	40	10	106	.2	26	8	391	2.67	15	5	ND	6	29	.2	2	2	46	.25	.164	17	33	.45	146	.16	4	2.72	.05	.11	1	1
840N 1074E	1	42	9	85	.2	26	9	396	2.86	13	5	ND	7	21	.2	2	2	51	.21	.125	21	36	.53	166	.17	3	2.87	.05	.11	1	12
840N 1078E	1	24	15	102	.3	23	8	434	2.97	11	5	ND	8	25	.2	2	2	48	.23	.110	23	31	.56	289	.16	4	3.48	.04	.15	1	1
840N 1082E	1	22	14	92	.3	15	6	429	2.53	10	5	ND	8	27	.2	2	2	38	.21	.153	23	24	.35	201	.15	3	3.01	.05	.15	1	1
840N 1086E	1	22	12	83	.4	17	6	538	2.24	9	7	ND	5	39	.2	3	2	37	.36	.185	18	28	.31	211	.14	4	2.22	.06	.14	1	3
840N 1090E	1	25	11	68	.4	16	6	471	2.03	11	5	ND	4	45	.2	2	2	38	.44	.144	16	29	.33	146	.12	3	1.59	.07	.12	1	3
828N 990E	1	26	21	160	.2	21	7	664	3.01	14	5	ND	10	45	.2	2	3	43	.31	.217	16	28	.51	228	.16	4	2.80	.04	.17	1	1
828N 994E	1	33	12	70	.3	20	8	287	2.64	28	5	ND	7	28	.2	2	2	46	.26	.123	22	30	.40	144	.15	4	2.26	.04	.09	1	2
828N 998E	1	26	11	84	.2	22	8	367	2.80	52	5	ND	7	31	.2	2	2	48	.30	.136	15	33	.47	157	.17	4	2.69	.05	.14	1	3
828N 1002E	1	44	10	80	.1	24	9	424	2.88	42	5	ND	6	25	.2	2	2	49	.24	.137	23	34	.53	166	.20	4	3.64	.05	.11	1	2
828N 1006E	1	35	9	78	.3	21	7	332	2.29	22	9	NO	6	23	.2	2	2	41	.23	.119	16	28	.36	135	.14	3	2.00	.05	.11	1	1
828N 1008E	1	19	4	96	.1	33	7	573	1.92	15	5	ND	2	28	.2	2	2	32	.24	.122	7	27	.36	159	.11	2	1.53	.05	.08	1	1
828N 1010E	1	39	10	64	.3	28	9	366	2.60	31	7	ND	6	25	.2	2	2	45	.25	.090	19	29	.44	126	.15	3	2.48	.05	.12	1	1
828N 1014E	1	40	8	106	.4	28	10	471	2.59	27	6	ND	5	30	.2	3	2	43	.29	.142	17	29	.47	149	.15	4	2.42	.07	.14	1	5
828N 1018E	1	35	9	88	.5	23	9	590	2.47	16	5	ND	6	42	.6	3	2	42	.30	.125	19	33	.47	163	.15	5	2.27	.06	.11	1	3
STANDARD C/AU-S	21	62	40	136	6.8	71	31	1067	4.04	41	24	7	39	48	18.6	15	21	58	.49	.091	36	59	.92	176	.09	33	1.92	.06	.15	10	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
828N 1022E	1	36	8	94	.2	26	8	342	2.64	15	5	ND	4	42	.3	2	2	43	.30	.298	14	32	.48	212	.17	2	2.39	.03	.13	1	45
828N 1026E	1	25	9	81	.1	19	6	496	2.11	9	5	ND	3	32	.2	2	2	38	.28	.194	9	29	.23	193	.16	2	1.77	.03	.11	1	8
RE 828N 1046E	1	33	13	77	.2	19	7	250	2.37	9	5	ND	6	37	.3	3	2	42	.36	.041	22	26	.26	130	.16	2	2.08	.04	.10	1	2
828N 1030E	1	34	12	73	.2	21	7	262	2.41	14	5	ND	5	36	.4	3	2	41	.32	.152	12	28	.25	141	.16	3	2.38	.03	.12	1	5
828N 1034E	1	39	11	131	.1	19	7	382	2.21	9	5	ND	3	35	.6	3	2	39	.39	.103	18	23	.23	138	.14	3	2.23	.04	.12	1	3
828N 1038E	1	29	9	84	.1	19	6	326	2.27	10	5	ND	2	29	.4	2	2	44	.33	.130	10	30	.27	172	.14	2	1.73	.03	.10	1	9
828N 1042E	1	34	11	146	.1	20	7	318	2.42	10	5	ND	4	35	.2	2	2	41	.37	.047	19	29	.37	125	.16	2	2.01	.04	.11	1	2
828N 1046E	1	34	13	88	.2	21	7	266	2.54	10	5	ND	5	39	.3	2	2	46	.39	.044	24	29	.28	137	.16	2	2.22	.05	.11	1	3
828N 1050E	1	28	12	119	.2	19	8	445	2.25	24	5	ND	3	44	.5	2	2	35	.39	.111	11	21	.21	107	.15	3	2.59	.05	.07	1	1
828N 1054E	1	30	10	75	.2	19	6	312	1.89	10	5	ND	1	64	.6	2	2	31	.74	.050	18	24	.26	120	.13	2	1.83	.05	.09	1	4
828N 1058E	1	42	26	181	.2	26	9	479	2.71	20	5	ND	3	54	.7	2	2	50	.72	.054	24	41	.57	143	.17	2	1.92	.05	.13	1	9
828N 1062E	1	38	15	114	.3	24	8	370	2.57	15	5	ND	4	47	.3	2	2	42	.46	.027	22	28	.28	146	.16	2	2.14	.04	.10	1	6
828N 1066E	1	32	13	92	.3	19	7	365	2.29	15	5	ND	5	27	.3	2	2	39	.27	.147	15	25	.23	152	.15	2	2.36	.04	.11	1	2
828N 1070E	1	30	14	82	.1	21	7	415	2.28	15	5	ND	3	42	.4	2	2	41	.45	.028	20	25	.24	139	.15	2	2.19	.04	.09	1	2
828N 1074E	1	29	13	110	.3	20	7	352	2.42	14	5	ND	4	29	.3	2	2	39	.31	.176	16	25	.23	134	.15	2	2.41	.04	.10	1	3
828N 1078E	1	32	12	70	.1	20	7	359	2.40	16	5	ND	4	35	.4	2	2	44	.33	.099	17	27	.26	168	.15	2	2.12	.04	.11	1	2
828N 1082E	1	34	14	67	.2	19	7	325	2.52	12	5	ND	6	39	.2	4	2	41	.37	.116	18	24	.26	169	.16	2	2.61	.04	.11	2	3
828N 1086E	1	27	10	75	.1	17	6	317	2.28	12	5	ND	4	30	.3	2	2	40	.29	.147	15	24	.22	140	.14	2	2.12	.03	.13	1	3
828N 1090E	1	21	8	58	.1	13	6	342	2.00	10	5	ND	2	32	.2	3	2	37	.28	.153	13	23	.18	134	.12	2	1.61	.03	.13	1	2
828N 1094E	1	42	13	85	.3	22	8	419	2.77	12	5	ND	6	52	.2	2	2	47	.49	.072	24	28	.48	132	.17	2	2.64	.05	.12	1	4
828N 1098E	1	34	13	82	.2	20	7	306	2.56	12	5	ND	5	29	.5	3	2	43	.30	.150	22	25	.25	120	.15	2	2.45	.03	.12	1	3
828N 1102E	1	25	12	87	.1	19	7	456	2.55	14	5	ND	5	48	.3	2	2	44	.43	.107	19	29	.28	129	.14	3	2.01	.03	.14	1	1
828N 1106E	1	28	13	76	.1	18	7	433	2.44	14	5	ND	4	35	.2	2	2	41	.29	.214	17	25	.24	147	.14	2	2.26	.04	.12	1	3
816N 986E	1	33	15	81	.1	23	8	297	2.79	23	5	ND	7	33	.3	2	2	47	.26	.146	15	25	.27	214	.15	2	2.47	.03	.17	1	7
816N 990E	1	44	16	75	.1	27	9	281	2.89	18	5	ND	5	39	.6	2	2	51	.34	.101	21	32	.53	127	.20	2	3.00	.03	.17	1	5
816N 994E	1	34	13	83	.1	24	8	404	2.72	15	5	ND	4	25	.6	3	2	47	.23	.146	12	31	.49	163	.19	2	2.86	.02	.13	1	2
816N 998E	1	26	11	79	.1	22	6	368	2.21	11	5	ND	3	34	.2	3	2	36	.30	.130	9	29	.26	179	.17	3	2.36	.03	.13	1	2
816N 1002E	1	33	12	73	.1	22	7	269	2.53	12	5	ND	4	30	.4	2	2	44	.28	.188	14	33	.47	165	.19	2	2.72	.03	.13	1	12
816N 1006E	1	29	12	60	.1	20	7	278	2.45	11	5	ND	4	27	.4	2	2	45	.25	.125	13	29	.27	118	.18	2	2.65	.03	.09	1	3
816N 1010E	1	31	10	55	.1	21	7	278	2.18	11	5	ND	4	38	.4	2	2	39	.30	.083	11	26	.24	159	.15	2	2.06	.03	.12	1	3
816N 1014E	1	30	10	57	.1	19	7	250	2.13	12	5	ND	3	32	.3	2	2	39	.24	.065	16	26	.25	93	.17	2	2.21	.04	.08	1	1
816N 1018E	1	39	15	210	.2	19	7	392	2.14	16	5	ND	2	51	1.0	2	2	38	.60	.072	12	27	.29	108	.15	3	1.75	.04	.11	1	2
816N 1022E	1	29	11	83	.1	17	6	269	2.17	15	5	ND	3	27	.6	2	2	37	.28	.105	11	28	.23	120	.15	2	2.13	.03	.10	1	2
816N 1026E	1	28	11	70	.1	17	6	290	2.13	13	5	ND	2	26	.4	2	2	37	.28	.135	11	26	.21	133	.14	2	2.03	.03	.10	1	2
816N 1030E	1	40	19	568	.8	24	7	597	2.47	15	5	ND	2	52	1.6	2	2	49	.61	.043	18	32	.48	126	.14	3	1.89	.04	.11	1	9
816N 1034E	1	32	16	141	.1	18	7	398	2.24	12	5	ND	2	31	.6	2	2	43	.35	.081	13	24	.28	130	.14	2	2.25	.04	.07	1	7
816N 1038E	1	23	22	238	.1	16	6	985	2.16	11	5	ND	2	41	1.5	2	2	38	.66	.203	17	19	.29	223	.11	3	2.10	.04	.13	1	13
STANDARD C/AU-S	19	63	39	132	7.1	71	31	1046	3.97	40	19	7	38	51	17.3	14	22	57	.48	.090	37	57	.89	177	.09	33	1.88	.08	.15	10	53

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
816N 1042E	1	58	9	165	.2	28	6	294	2.00	26	5	ND	1	71	.7	2	2	31	.66	.032	14	26	.27	90	.13	3	1.67	.05	.14	1	110
816N 1046E	1	28	9	100	.1	17	6	363	2.42	15	5	ND	4	29	.4	2	2	45	.25	.168	15	29	.20	145	.13	2	2.08	.03	.11	1	3
816N 1050E	1	29	9	95	.1	18	7	466	2.31	16	5	ND	2	30	.6	2	2	40	.30	.220	14	25	.21	180	.14	2	2.24	.04	.10	1	3
816N 1054E	1	29	9	96	.2	20	7	469	2.35	21	5	ND	3	33	.4	3	2	40	.32	.166	13	23	.25	142	.17	3	2.80	.04	.11	1	2
816N 1058E	1	29	9	88	.1	19	7	375	2.44	13	5	ND	3	32	.3	2	2	43	.32	.098	14	27	.25	177	.16	5	2.31	.04	.13	1	1
816N 1062E	1	34	9	72	.1	18	7	333	2.48	6	5	ND	4	48	.3	2	2	41	.43	.056	27	25	.23	135	.15	2	2.31	.04	.13	1	2
816N 1066E	1	30	9	86	.1	17	6	386	2.12	11	5	ND	3	33	.3	2	2	35	.25	.179	16	21	.19	198	.14	2	2.44	.04	.10	1	1
816N 1070E	1	20	7	71	.1	16	6	352	2.01	13	5	ND	2	25	.4	2	2	33	.26	.172	10	21	.17	117	.14	2	2.27	.03	.09	1	1
816N 1074E	1	25	9	72	.1	19	7	251	2.35	10	5	ND	3	33	.5	2	2	40	.30	.045	19	27	.23	150	.14	2	2.01	.04	.09	1	1
816N 1078E	1	22	11	82	.1	14	6	550	2.33	13	5	ND	3	28	.2	3	2	37	.22	.241	12	20	.18	181	.14	2	2.45	.03	.10	1	1
816N 1082E	1	21	9	77	.1	14	6	470	2.29	10	5	ND	3	31	.5	2	2	37	.27	.192	11	18	.18	169	.14	2	2.47	.03	.10	1	1
816N 1086E	1	30	9	66	.1	16	6	252	2.16	8	5	ND	3	42	.5	2	2	34	.37	.076	19	23	.23	119	.15	2	2.32	.04	.10	1	1
816N 1090E	1	27	11	79	.1	18	7	497	2.29	10	5	ND	3	39	.6	2	2	39	.33	.182	17	24	.26	194	.15	2	2.43	.03	.14	1	1
816N 1094E	1	24	7	56	.1	14	6	324	2.05	9	5	ND	4	38	.4	2	2	35	.31	.072	14	21	.20	151	.14	2	2.22	.04	.10	1	1
816N 1098E	1	36	9	78	.2	16	7	336	2.38	13	5	ND	4	34	.4	2	2	39	.27	.114	24	23	.23	130	.15	2	2.47	.04	.14	1	3
816N 1102E	1	32	12	75	.2	18	8	339	2.56	20	5	ND	4	27	.7	4	2	48	.24	.104	24	23	.25	144	.15	2	2.64	.03	.14	1	1
816N 1106E	1	27	10	89	.1	28	6	417	2.15	22	5	ND	3	66	.5	2	2	35	.46	.048	20	25	.24	142	.14	2	2.15	.04	.12	1	8
804N 978E	1	44	11	192	.3	33	13	1041	2.68	57	5	ND	2	34	.7	2	2	47	.26	.132	9	50	.84	271	.18	2	2.17	.03	.14	1	1
804N 982E	1	45	12	83	.1	24	9	625	2.55	133	5	ND	3	29	.5	2	2	40	.25	.079	10	26	.34	212	.15	2	2.38	.03	.16	1	2
804N 986E	1	28	13	84	.1	23	8	494	2.63	46	5	ND	3	29	.5	2	2	48	.25	.126	11	33	.48	186	.17	2	2.19	.03	.13	1	13
804N 990E	1	25	9	72	.1	22	7	450	2.55	44	5	ND	4	25	.6	2	2	43	.22	.183	9	31	.26	173	.15	2	2.15	.02	.11	1	1
804N 994E	1	34	15	84	.1	31	10	322	3.21	22	5	ND	4	29	.5	2	2	61	.31	.154	14	48	.78	180	.21	2	2.38	.02	.17	1	2
804N 998E	1	34	12	77	.1	25	8	258	2.57	18	5	ND	4	37	.6	2	2	48	.34	.190	19	38	.51	212	.19	2	2.31	.03	.15	1	1
804N 1002E	1	28	9	98	.1	24	7	356	2.48	13	5	ND	3	50	.6	2	2	45	.43	.220	12	40	.49	202	.19	2	1.99	.02	.14	1	2
804N 1006E	1	25	7	55	.1	19	6	308	2.15	14	5	ND	2	29	.6	2	2	41	.26	.086	7	27	.22	151	.14	2	1.79	.03	.09	1	1
804N 1010E	1	24	9	65	.1	19	7	353	2.29	15	5	ND	3	29	.7	2	2	39	.28	.122	10	23	.22	168	.15	2	2.20	.03	.09	1	2
804N 1014E	1	42	10	80	.1	17	7	333	2.23	17	5	ND	2	47	.6	2	2	42	.53	.028	22	23	.26	94	.15	2	2.04	.04	.08	1	6
804N 1018E	1	44	14	104	.3	22	9	436	2.19	17	5	ND	1	50	1.1	2	2	40	.69	.023	17	26	.28	96	.14	4	1.81	.05	.08	1	11
RE 804N 1006E	1	24	7	54	.1	19	6	305	2.14	15	5	ND	3	29	.6	2	2	41	.26	.082	8	27	.22	152	.14	2	1.79	.03	.08	1	1
804N 1022E	1	23	15	127	.2	17	7	395	2.31	20	5	ND	2	32	1.1	2	2	41	.33	.126	8	26	.24	137	.15	2	2.33	.03	.08	1	3
804N 1026E	1	28	8	168	.1	20	6	388	1.76	14	5	ND	1	35	.8	2	2	30	.31	.046	10	20	.21	121	.13	2	1.86	.04	.12	1	1
804N 1030E	1	26	9	158	.1	20	7	491	2.09	19	5	ND	1	41	.9	2	2	35	.40	.135	11	21	.22	145	.14	2	2.19	.04	.10	1	1
804N 1034E	1	29	10	97	.1	19	7	377	2.06	18	5	ND	2	41	.7	2	2	40	.34	.035	13	21	.21	117	.14	2	1.96	.04	.12	1	1
804N 1038E	1	22	10	95	.1	18	6	389	1.98	11	5	ND	3	30	.5	2	2	36	.26	.104	9	22	.20	183	.13	2	1.85	.03	.13	1	6
804N 1042E	1	23	8	68	.1	18	6	318	2.06	10	5	ND	3	50	.5	2	2	35	.43	.048	14	24	.24	156	.14	2	1.90	.04	.14	1	1
804N 1046E	1	23	12	82	.1	17	6	292	2.00	13	5	ND	2	34	.6	2	2	37	.35	.057	13	26	.23	110	.15	2	1.90	.04	.11	1	3
804N 1050E	1	29	14	102	.1	20	7	461	2.33	18	5	ND	3	35	1.0	2	2	45	.35	.186	17	32	.26	172	.15	2	2.22	.03	.15	1	1
STANDARD C/AU-S	19	62	40	127	7.2	72	31	1030	3.92	39	17	7	37	52	17.3	14	21	57	.48	.089	37	59	.87	177	.09	32	1.86	.08	.15	10	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
804N 1054E	1	20	9	84	.1	16	6	673	2.30	17	5	ND	5	50	.2	2	2	36	.41	.139	18	24	.37	260	.14	4	2.41	.07	.18	1	1
804N 1058E	1	15	12	81	.1	14	6	265	2.59	8	5	ND	7	32	.2	2	2	41	.26	.159	17	26	.35	269	.12	3	2.34	.04	.14	1	1
804N 1062E	1	23	15	92	.1	19	7	603	2.54	9	5	ND	4	35	.2	2	2	39	.30	.221	18	27	.37	219	.15	4	3.39	.05	.10	1	2
804N 1066E	1	10	9	46	.1	10	4	201	2.49	5	5	ND	6	33	.2	2	2	48	.26	.068	22	31	.25	93	.13	3	1.08	.04	.12	1	2
804N 1070E	1	24	10	87	.2	17	6	384	2.49	9	5	ND	7	47	.2	2	3	41	.34	.211	24	25	.29	197	.15	4	2.71	.06	.13	1	1
804N 1074E	1	26	12	77	.3	16	6	425	2.22	11	7	ND	7	44	.2	4	2	34	.35	.159	30	23	.29	273	.14	4	2.57	.06	.15	1	1
804N 1078E	1	29	9	98	.2	19	6	581	2.34	8	5	ND	4	64	.2	2	2	37	.62	.039	30	32	.45	141	.15	5	2.23	.07	.13	1	5
804N 1082E	1	23	10	80	.1	17	6	433	2.29	13	5	ND	5	39	.2	2	2	40	.36	.163	19	29	.32	177	.14	4	2.17	.06	.13	1	6
804N 1086E	1	16	10	95	.1	15	5	583	2.25	12	5	ND	5	48	.2	4	2	34	.30	.309	13	21	.26	225	.13	4	2.53	.06	.17	1	4
804N 1090E	1	32	12	67	.3	15	6	399	2.30	11	5	ND	6	36	.2	2	2	36	.31	.163	23	22	.32	176	.17	5	3.38	.06	.12	1	2
804N 1094E	1	33	8	90	.1	17	7	368	2.45	18	5	ND	5	42	.2	2	2	42	.35	.202	20	30	.33	164	.15	4	2.55	.06	.10	1	16
804N 1098E	1	42	12	76	.6	17	7	509	2.21	10	5	ND	6	46	.6	2	2	34	.35	.151	22	23	.30	163	.15	5	2.74	.07	.10	1	1
804N 1102E	1	51	11	89	.3	19	7	359	2.38	13	5	ND	5	40	.2	3	2	40	.34	.273	21	31	.34	190	.13	4	2.42	.05	.12	1	1
804N 1106E	1	43	12	96	.3	20	7	376	2.34	14	5	ND	5	44	.2	2	2	38	.38	.107	21	29	.42	200	.16	4	2.67	.06	.13	1	4
792N 974E	1	84	16	131	.7	36	16	651	4.11	632	5	ND	8	41	.3	4	4	65	.31	.124	24	43	.70	175	.19	4	3.75	.05	.26	1	16
792N 978E	1	50	10	123	.4	42	15	1234	3.55	433	5	ND	4	47	.3	2	3	52	.34	.059	12	26	.49	136	.15	5	2.98	.07	.16	1	1
792N 982E	1	36	10	109	.2	30	13	991	3.37	51	5	ND	5	33	.2	2	2	59	.27	.087	12	27	.58	168	.19	4	3.41	.05	.13	1	5
792N 986E	1	26	10	65	.1	24	8	390	2.58	16	5	ND	5	31	.2	3	2	47	.27	.079	15	33	.45	211	.16	4	2.53	.05	.16	1	4
792N 990E	1	30	11	64	.1	29	9	244	2.87	12	5	ND	7	29	.2	2	2	49	.27	.105	13	35	.51	251	.17	3	3.04	.04	.14	1	3
792N 994E	1	19	12	118	.1	16	6	717	2.24	10	5	ND	4	34	.2	2	2	41	.24	.087	14	26	.35	229	.16	5	1.86	.05	.16	1	1
792N 998E	1	29	12	81	.1	24	8	433	2.83	22	5	ND	6	32	.2	2	4	51	.29	.120	22	32	.52	180	.18	5	3.84	.06	.14	1	2
792N 1002E	1	25	12	98	.2	17	8	568	2.41	19	5	ND	5	35	.2	2	2	40	.34	.186	15	26	.44	186	.16	5	2.54	.06	.13	1	1
792N 1006E	1	25	9	80	.1	22	9	292	2.80	17	5	ND	5	28	.2	2	2	47	.30	.133	12	32	.53	150	.16	4	2.51	.05	.11	1	1
792N 1010E	1	37	13	100	.1	23	9	392	2.80	21	5	ND	6	29	.3	3	3	51	.31	.149	18	33	.53	146	.16	4	2.65	.06	.14	1	1
792N 1014E	1	35	11	110	.3	21	8	628	2.44	17	5	ND	5	38	.4	3	2	41	.34	.174	16	28	.43	217	.15	5	2.62	.06	.13	1	1
792N 1018E	1	20	10	75	.1	17	6	445	2.21	13	5	ND	4	33	.2	2	2	38	.28	.208	12	28	.32	170	.13	4	2.29	.05	.11	1	2
792N 1022E	1	134	9	146	.5	26	9	605	2.47	17	5	ND	5	75	.9	2	4	37	.68	.041	23	34	.53	142	.14	4	1.90	.08	.14	1	9
792N 1026E	1	24	11	87	.2	19	7	340	2.17	12	5	ND	4	37	.2	2	2	36	.30	.150	11	24	.28	203	.14	4	2.41	.05	.09	1	2
792N 1030E	1	20	10	64	.1	19	7	217	2.14	7	5	ND	4	41	.2	2	2	38	.36	.049	13	27	.33	144	.15	3	2.13	.07	.12	1	2
792N 1034E	1	30	8	75	.3	20	7	339	2.14	11	6	ND	5	50	.2	2	2	36	.41	.109	17	25	.32	181	.14	4	2.26	.07	.13	1	87
792N 1038E	1	27	10	75	.2	18	7	358	2.24	11	5	ND	5	44	.2	2	2	40	.34	.172	18	33	.35	186	.15	3	2.18	.06	.12	1	2
792N 1042E	1	21	12	113	.2	16	7	577	2.19	11	5	ND	5	44	.2	2	2	39	.32	.236	15	32	.30	211	.14	4	2.12	.05	.12	1	1
RE 792N 1026E	1	21	10	85	.3	18	7	333	2.15	13	5	ND	4	35	.2	2	2	36	.29	.153	11	24	.27	196	.14	4	2.33	.05	.10	1	1
792N 1046E	1	22	15	84	.1	20	8	429	2.68	14	5	ND	5	44	.2	3	2	47	.33	.176	21	33	.44	202	.15	4	2.58	.05	.15	1	1
792N 1050E	1	24	11	67	.2	17	7	295	2.32	10	5	ND	5	38	.2	2	2	39	.33	.146	13	30	.35	194	.14	4	2.16	.05	.13	1	1
792N 1054E	1	20	11	57	.1	13	6	642	2.13	11	5	ND	4	32	.2	2	2	38	.25	.158	16	22	.31	182	.14	4	2.60	.05	.08	1	1
792N 1058E	1	29	13	74	.1	20	8	521	2.51	15	5	ND	7	33	.2	2	2	46	.28	.187	17	32	.43	213	.16	4	2.72	.06	.12	1	1
STANDARD C/AU-S	19	62	39	126	7.3	67	31	1018	3.77	40	19	7	39	51	18.7	15	20	57	.46	.086	37	57	.84	174	.09	33	1.85	.05	.15	10	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
792N 1062E	1	19	11	68	.1	16	6	472	2.35	12	5	ND	4	38	.2	2	2	36	.37	.134	14	30	.39	232	.15	5	2.54	.05	.11	1	1
792N 1066E	1	20	11	75	.2	17	6	444	2.33	15	5	ND	5	40	.2	2	2	39	.35	.159	16	34	.33	200	.15	5	2.19	.06	.13	1	1
792N 1070E	1	27	9	69	.4	17	6	311	2.35	16	5	ND	5	34	.2	2	2	39	.30	.205	16	30	.30	175	.15	4	2.32	.06	.13	1	1
792N 1074E	1	28	12	61	.3	17	6	234	2.44	10	5	ND	8	32	.2	2	5	37	.26	.158	22	26	.33	170	.15	4	2.67	.07	.18	1	7
792N 1078E	1	21	10	78	.2	15	5	401	2.10	14	5	ND	5	39	.2	2	4	33	.37	.158	19	26	.27	189	.15	5	2.36	.06	.15	1	1
792N 1082E	1	24	11	85	.3	16	6	297	2.30	11	5	ND	6	36	.2	2	3	36	.36	.145	20	29	.38	152	.16	5	2.51	.06	.14	1	1
792N 1086E	1	33	13	78	.3	15	6	296	2.42	11	5	ND	8	35	.2	2	2	38	.37	.117	27	24	.33	144	.17	5	2.91	.06	.13	1	62
792N 1090E	1	19	13	83	.4	15	6	553	2.35	11	6	ND	7	29	.2	2	4	38	.24	.138	21	26	.31	171	.17	5	2.84	.06	.17	1	1
792N 1094E	1	18	13	87	.3	15	5	523	2.08	9	5	ND	6	36	.2	2	2	32	.30	.103	22	22	.26	160	.15	5	2.55	.06	.14	1	1
792N 1098E	1	22	11	107	.2	14	6	489	2.18	13	5	ND	4	32	.2	2	2	42	.31	.151	20	34	.28	153	.13	4	1.81	.06	.12	1	1
792N 1102E	1	19	12	100	.5	18	7	446	2.19	12	5	ND	6	38	.8	2	2	35	.34	.193	15	30	.32	181	.14	6	1.98	.05	.12	1	1
792N 1106E	1	22	11	109	.4	14	6	575	2.45	12	5	ND	7	35	.2	2	2	42	.31	.299	24	36	.29	263	.14	4	2.02	.04	.13	1	2
780N 974E	1	24	10	73	.1	22	8	485	2.74	15	5	ND	7	38	.2	2	2	46	.31	.118	22	37	.43	175	.16	5	2.17	.06	.19	1	1
780N 978E	1	30	11	119	.1	60	14	560	3.65	33	5	ND	6	39	.2	2	2	56	.38	.123	17	60	1.04	196	.19	6	3.20	.06	.28	1	1
780N 982E	1	16	9	84	.1	21	6	473	2.47	15	5	ND	4	27	.2	2	2	41	.24	.053	13	34	.43	136	.15	4	1.88	.04	.20	1	1
780N 986E	1	18	9	91	.3	18	7	383	2.53	13	5	ND	8	35	.2	2	3	40	.32	.150	23	31	.37	210	.16	5	2.51	.06	.19	1	1
780N 990E	1	23	14	88	.1	19	8	417	2.59	18	5	ND	6	34	.2	2	2	44	.31	.116	21	33	.47	194	.16	5	2.31	.06	.18	1	1
780N 994E	1	21	11	70	.1	19	9	763	2.77	12	5	ND	4	29	.2	2	2	50	.33	.046	15	39	.53	188	.17	5	2.31	.04	.19	1	5
780N 998E	1	33	9	70	.1	21	9	415	2.50	18	5	ND	5	27	.2	2	2	42	.26	.103	14	35	.44	217	.15	5	2.39	.05	.16	1	1
780N 1002E	1	38	14	89	.1	25	10	710	3.09	19	5	ND	5	21	.2	2	4	56	.22	.152	14	39	.57	150	.18	4	2.90	.03	.10	1	1
RE 780N 986E	1	20	11	92	.2	19	7	398	2.57	13	5	ND	7	35	.2	2	3	42	.32	.153	22	31	.38	205	.16	4	2.54	.05	.17	1	1
780N 1006E	1	55	9	154	.2	25	22	1195	3.86	21	5	ND	4	38	.4	2	4	65	.43	.185	9	24	.78	231	.21	6	3.06	.05	.16	1	2
780N 1010E	1	56	8	107	.4	23	11	500	2.76	18	5	ND	7	32	.2	3	2	47	.34	.140	17	30	.48	195	.17	6	2.77	.05	.17	1	1
780N 1014E	1	27	9	85	.1	20	7	286	2.76	10	5	ND	6	39	.2	2	3	51	.34	.159	20	41	.41	166	.14	4	1.81	.05	.15	1	20
780N 1018E	1	20	11	92	.2	18	8	553	2.48	10	5	ND	5	42	.2	2	2	40	.34	.166	17	31	.34	209	.13	5	1.92	.05	.12	1	2
780N 1022E	1	20	10	69	.1	18	7	305	2.28	6	5	ND	5	40	.2	2	2	37	.36	.071	16	27	.28	129	.14	5	2.16	.05	.12	1	2
780N 1026E	1	18	9	65	.4	18	7	329	2.26	9	5	ND	6	32	.2	3	2	36	.32	.164	13	28	.29	222	.14	5	2.00	.05	.17	1	1
780N 1030E	1	17	7	58	.2	17	7	388	2.27	9	5	ND	5	32	.2	2	2	37	.29	.098	11	29	.30	192	.15	4	1.90	.06	.17	1	1
780N 1034E	1	28	8	70	.1	19	7	363	2.08	8	5	ND	5	48	.2	2	2	33	.36	.187	15	25	.29	263	.13	4	2.11	.06	.12	1	1
780N 1038E	1	26	11	78	.3	18	7	482	2.26	18	5	ND	5	39	.2	2	2	37	.33	.244	15	27	.28	211	.14	5	2.27	.07	.15	2	1
780N 1042E	1	30	5	49	.3	15	7	250	2.19	7	5	ND	6	55	.2	2	2	32	.53	.021	21	26	.32	126	.14	4	1.93	.08	.17	1	1
780N 1046E	1	20	9	112	.2	16	7	704	2.23	12	5	ND	4	68	.2	2	2	35	.39	.339	11	28	.28	454	.13	5	2.04	.05	.14	1	34
780N 1050E	1	29	8	74	.2	20	7	267	2.25	14	5	ND	5	52	.2	2	2	38	.33	.097	19	29	.39	135	.16	4	2.27	.06	.10	1	1
780N 1054E	1	33	11	69	.4	20	8	313	2.32	14	5	ND	6	50	.2	2	2	39	.35	.073	19	31	.40	145	.16	4	2.36	.07	.13	1	4
780N 1058E	1	30	9	66	.1	23	9	243	2.64	15	5	ND	6	50	.2	2	2	52	.39	.045	23	41	.46	135	.16	4	1.98	.06	.17	1	1
780N 1062E	1	31	8	73	.1	19	7	338	2.33	14	5	ND	5	47	.2	2	2	43	.36	.150	16	34	.37	183	.14	5	2.07	.07	.18	1	1
780N 1066E	1	25	9	67	.3	19	7	346	2.33	13	5	ND	6	45	.2	2	2	37	.34	.101	18	30	.38	156	.16	4	2.62	.07	.15	1	1
STANDARD C/AU-S	20	63	39	136	7.3	71	31	1062	4.01	41	18	8	39	52	18.7	17	21	58	.48	.091	36	58	.89	179	.09	35	1.90	.05	.16	12	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
780N 1070E	1	27	7	75	.1	18	7	294	2.29	19	5	ND	5	34	.2	2	2	36	.31	.236	16	25	.29	161	.15	2	2.85	.05	.10	1	23
780N 1074E	1	22	8	79	.2	21	8	396	2.67	9	5	ND	5	39	.2	2	2	44	.33	.135	21	33	.42	202	.17	2	2.75	.04	.11	1	10
780N 1078E	1	14	7	50	.1	15	6	278	2.32	6	5	ND	5	28	.2	2	2	47	.25	.043	23	38	.36	120	.14	2	1.31	.04	.13	1	2
780N 1082E	1	17	10	83	.1	17	6	408	2.35	12	5	ND	5	36	.2	2	2	39	.29	.224	17	28	.30	195	.13	3	2.19	.04	.11	1	27
780N 1086E	1	20	11	73	.2	16	6	312	2.18	12	6	ND	5	30	.2	4	2	36	.27	.168	18	28	.32	191	.14	3	2.32	.05	.13	1	3
780N 1090E	1	18	7	88	.1	18	6	332	2.11	10	5	ND	4	43	.2	2	2	35	.32	.180	14	27	.28	176	.13	3	2.11	.06	.12	1	1
780N 1094E	1	16	9	85	.1	24	6	550	2.26	11	5	ND	5	30	.2	4	2	36	.25	.200	15	30	.33	234	.13	4	2.29	.05	.15	1	1
780N 1098E	1	21	10	69	.1	38	8	427	2.43	7	5	ND	5	34	.2	2	2	43	.29	.112	21	50	.57	191	.15	3	2.61	.05	.11	1	1
780N 1102E	1	22	9	89	.2	50	9	404	2.75	13	5	ND	6	33	.2	5	2	48	.31	.142	27	66	.75	184	.16	4	2.57	.05	.13	1	2
780N 1106E	1	28	10	79	.1	24	7	385	2.52	16	5	ND	5	34	.2	2	2	46	.31	.144	28	41	.43	158	.15	3	2.37	.06	.11	1	4
768N 970E	1	25	9	78	.2	27	9	381	2.76	41	5	ND	5	25	.4	2	2	48	.24	.175	14	34	.43	136	.15	3	2.35	.04	.09	1	3
768N 974E	1	25	8	61	.1	23	9	252	2.46	18	5	ND	4	32	.2	2	2	44	.35	.045	10	38	.46	153	.16	3	2.10	.05	.10	1	2
768N 978E	1	15	6	82	.1	19	8	392	2.27	18	5	ND	3	26	.2	2	2	39	.22	.124	8	35	.39	148	.16	3	1.92	.06	.13	1	1
768N 982E	1	42	9	80	.3	29	11	447	2.76	17	9	ND	5	31	.2	6	3	49	.28	.169	14	43	.55	205	.17	3	2.80	.04	.12	1	2
768N 986E	1	62	5	95	.1	29	14	683	3.26	12	5	ND	4	28	.2	2	2	62	.36	.108	16	44	.67	174	.19	3	3.18	.04	.13	1	3
768N 990E	1	63	6	112	.1	33	18	729	3.70	7	5	ND	4	33	.4	2	2	67	.39	.118	13	44	.87	259	.21	3	3.33	.04	.19	1	2
768N 994E	1	59	10	81	.1	28	12	376	2.92	10	5	ND	5	30	.2	2	2	52	.29	.088	17	40	.63	215	.19	4	2.98	.05	.20	1	2
RE 768N 1014E	1	27	8	80	.1	20	7	337	2.50	15	5	ND	5	30	.2	2	2	41	.27	.169	19	29	.37	174	.16	3	2.77	.04	.09	1	4
768N 998E	1	39	7	91	.1	26	10	404	2.53	13	5	ND	4	23	.2	2	2	43	.25	.158	13	34	.47	220	.15	3	2.28	.04	.14	1	7
768N 1002E	1	40	6	101	.1	27	10	720	2.65	22	5	ND	3	27	.2	3	2	47	.29	.147	12	35	.51	194	.16	3	2.43	.04	.12	1	4
768N 1006E	1	38	9	90	.1	24	9	305	2.83	17	5	ND	6	34	.2	2	2	46	.29	.176	17	32	.44	178	.17	2	3.13	.04	.14	1	26
768N 1010E	1	27	9	112	.1	20	8	409	2.62	10	5	ND	5	31	.2	2	2	44	.26	.172	19	33	.39	214	.15	4	2.28	.05	.19	1	3
768N 1014E	1	28	10	81	.3	20	8	346	2.53	17	5	ND	7	31	.2	3	2	42	.27	.173	20	30	.38	178	.16	3	2.82	.05	.14	1	4
768N 1018E	1	24	7	85	.2	22	7	312	2.36	11	5	ND	4	31	.2	2	2	38	.26	.188	13	26	.33	187	.15	3	2.71	.04	.10	1	61
768N 1022E	1	14	9	81	.1	14	6	548	1.86	10	5	ND	3	35	.2	2	2	32	.25	.193	10	23	.24	225	.12	2	1.69	.05	.09	1	4
768N 1026E	1	23	8	61	.1	18	7	338	2.20	9	5	ND	3	33	.2	2	2	41	.28	.127	14	30	.32	153	.13	2	1.62	.04	.11	1	9
768N 1030E	1	22	6	60	.1	20	7	202	2.45	10	5	ND	4	30	.2	2	2	47	.29	.071	15	40	.46	156	.14	3	1.63	.05	.13	1	2
768N 1034E	1	23	8	62	.2	20	8	305	2.45	9	5	ND	4	26	.2	2	2	44	.25	.044	11	35	.48	124	.17	2	1.88	.04	.15	1	2
768N 1038E	1	20	11	84	.1	18	7	466	2.68	8	5	ND	5	34	.2	2	2	46	.31	.177	19	35	.41	143	.16	2	2.38	.04	.12	1	1
768N 1042E	1	18	9	68	.1	17	6	326	2.19	6	5	ND	4	48	.2	2	2	36	.47	.035	21	28	.31	130	.15	3	2.35	.06	.10	1	2
768N 1046E	2	30	11	77	.3	26	9	656	2.60	10	7	ND	4	68	.2	3	2	39	.51	.026	34	29	.40	176	.19	3	3.29	.07	.11	1	2
768N 1050E	1	29	7	65	.4	17	7	513	2.44	19	5	ND	5	39	.3	3	2	42	.33	.172	22	31	.33	151	.15	4	2.58	.07	.15	1	120
768N 1054E	1	48	7	81	.1	45	19	329	4.26	26	5	ND	5	45	.3	2	2	82	.41	.086	15	75	1.06	178	.21	2	2.10	.05	.30	1	4
768N 1058E	1	34	5	74	.2	25	9	257	2.49	15	5	ND	3	52	.2	3	2	41	.28	.057	15	35	.46	157	.16	3	2.45	.06	.12	1	2
768N 1062E	1	16	8	59	.1	18	7	219	2.24	13	5	ND	3	37	.2	2	2	37	.25	.054	11	31	.32	139	.14	3	2.09	.05	.08	1	2
768N 1066E	1	19	6	52	.1	19	7	177	2.11	7	5	ND	4	39	.2	2	2	33	.27	.025	10	27	.30	183	.15	2	2.33	.05	.10	1	8
768N 1070E	1	23	8	73	.1	18	7	277	2.14	9	5	ND	4	32	.2	2	2	37	.30	.149	17	29	.30	174	.13	3	1.87	.05	.12	1	2
STANDARD C/AU-S	19	62	38	130	7.4	69	31	1053	3.93	39	18	7	39	52	18.5	16	24	55	.47	.089	34	57	.87	177	.09	32	1.87	.09	.16	10	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
768N 1074E	1	23	18	68	.1	17	8	375	2.82	10	5	ND	7	27	.2	3	2	48	.24	.126	17	29	.41	135	.17	4	3.22	.05	.13	1	25
768N 1078E	1	30	14	72	.2	17	8	300	2.71	9	5	ND	6	28	.2	2	2	49	.27	.123	25	33	.40	132	.17	3	2.85	.06	.14	1	2
768N 1082E	1	28	18	113	.1	25	10	595	3.43	10	5	ND	6	37	.3	4	2	65	.41	.076	21	39	.93	175	.20	5	3.76	.05	.18	1	1
768N 1086E	1	22	12	92	.2	22	9	529	2.81	6	6	ND	6	32	.2	2	2	50	.28	.079	14	35	.58	198	.17	4	2.78	.04	.16	1	2
768N 1090E	1	29	11	72	.3	26	8	370	2.60	11	9	ND	7	38	.2	2	2	45	.29	.088	19	37	.50	169	.19	4	2.76	.07	.15	1	2
768N 1094E	1	25	13	90	.1	18	7	395	2.35	10	5	ND	5	39	.2	2	2	40	.35	.201	20	32	.34	207	.14	4	2.06	.07	.16	1	1
768N 1098E	1	25	10	83	.1	16	6	440	2.08	8	5	ND	5	41	.2	2	2	36	.33	.144	17	30	.32	214	.13	5	1.73	.06	.16	1	1
768N 1102E	1	22	10	89	.1	16	8	613	2.49	6	5	ND	4	40	.2	2	2	44	.33	.121	19	32	.39	222	.15	4	2.22	.07	.18	1	10
768N 1106E	1	15	9	94	.1	17	6	378	2.32	6	5	ND	5	39	.2	2	2	37	.33	.187	16	29	.34	169	.13	4	1.96	.06	.16	1	1
756N 958E	1	29	11	70	.1	27	9	405	2.89	11	5	ND	5	35	.2	2	2	55	.26	.055	12	43	.58	160	.20	3	2.24	.04	.13	1	7
756N 962E	1	24	8	49	.2	20	7	251	2.28	9	5	ND	4	24	.2	2	2	44	.20	.033	9	31	.35	115	.15	3	1.74	.06	.11	1	1
756N 966E	1	40	10	55	.1	22	9	255	2.61	10	5	ND	6	37	.2	2	2	47	.31	.076	14	37	.48	124	.17	4	2.26	.05	.15	1	2
756N 970E	1	59	11	75	.1	22	9	344	2.48	11	5	ND	5	29	.2	2	2	42	.24	.128	10	30	.44	196	.15	5	2.42	.06	.13	1	8
756N 974E	1	71	12	83	.5	22	9	413	2.53	13	7	ND	4	29	.2	2	2	43	.24	.154	18	35	.45	141	.18	5	3.33	.07	.10	1	4
756N 978E	1	24	6	152	.1	15	6	564	1.96	9	5	ND	3	37	.6	2	2	32	.29	.211	10	23	.24	244	.13	4	1.97	.06	.10	1	7
756N 982E	1	22	11	104	.2	18	7	459	1.98	6	5	ND	3	39	.2	2	2	32	.28	.161	10	26	.26	222	.13	4	1.83	.06	.15	1	1
756N 986E	1	38	12	66	.3	20	7	295	2.23	11	6	ND	5	38	.2	2	2	40	.29	.127	19	27	.35	151	.15	3	2.06	.08	.15	1	3
756N 990E	1	12	6	30	.1	15	6	191	1.93	4	5	ND	3	100	.2	2	2	30	1.03	.015	9	26	.29	170	.13	3	1.36	.07	.15	1	2
RE 756N 978E	1	22	8	151	.1	16	6	558	1.93	9	5	ND	2	36	.5	2	2	31	.29	.210	10	22	.23	234	.12	3	1.88	.05	.08	1	9
756N 998E	1	47	8	40	.4	18	10	214	2.00	8	5	ND	3	135	.2	2	2	33	1.05	.020	14	24	.30	168	.10	3	1.48	.09	.12	1	2
756N 1002E	1	21	10	89	.1	19	6	345	1.97	13	5	ND	4	32	.2	2	2	31	.25	.204	11	21	.25	161	.13	4	2.18	.05	.11	1	2
756N 1006E	1	26	8	79	.3	18	7	348	2.10	11	10	ND	4	57	.3	4	2	35	.42	.143	14	28	.27	193	.11	4	1.54	.05	.11	1	2
756N 1010E	1	42	13	49	.1	29	10	401	2.59	15	5	ND	4	63	.2	2	3	41	.58	.015	19	41	.48	120	.16	4	2.13	.06	.11	1	1
756N 1014E	1	29	11	58	.1	23	9	217	2.42	13	5	ND	5	44	.2	2	2	36	.38	.017	14	29	.37	113	.17	4	2.37	.07	.17	1	2
756N 1018E	1	32	11	72	.1	20	8	242	2.27	13	5	ND	4	32	.2	2	2	37	.27	.102	15	27	.33	158	.14	4	2.25	.05	.11	1	3
756N 1022E	1	29	8	95	.2	22	7	501	2.25	14	6	ND	5	37	.2	4	2	36	.28	.199	18	27	.34	242	.15	4	2.42	.06	.15	1	1
756N 1026E	1	45	13	76	.3	25	10	293	2.80	24	5	ND	8	36	.7	2	2	50	.29	.116	21	39	.42	168	.15	4	2.27	.07	.19	1	3
756N 1030E	1	27	15	81	.1	20	8	316	2.50	16	5	ND	5	36	.2	2	2	44	.30	.203	16	34	.37	185	.14	3	2.08	.07	.16	1	3
756N 1034E	1	28	11	82	.1	18	6	340	2.31	16	5	ND	5	31	.2	2	2	40	.25	.169	23	27	.32	138	.15	4	2.44	.06	.11	1	2
756N 1038E	1	23	12	59	.1	16	7	222	2.46	9	5	ND	6	31	.2	2	2	47	.28	.058	23	35	.35	133	.16	3	1.79	.06	.15	1	2
756N 1042E	1	33	14	68	.3	20	7	275	2.56	15	6	ND	8	42	.2	2	2	46	.35	.103	25	32	.37	174	.16	4	2.42	.07	.16	1	3
756N 1046E	1	20	14	87	.1	20	8	327	2.69	10	5	ND	5	41	.2	2	2	48	.30	.155	14	39	.45	188	.15	3	1.93	.04	.13	1	2
756N 1050E	1	29	18	76	.4	17	8	418	2.65	14	9	ND	6	23	.3	2	3	48	.21	.176	19	28	.37	133	.18	4	3.35	.04	.10	1	6
756N 1054E	1	33	13	69	.1	20	8	421	2.67	12	5	ND	6	28	.3	2	2	49	.22	.114	26	33	.45	141	.19	3	3.20	.06	.11	1	4
756N 1058E	1	28	15	63	.2	16	7	417	2.35	13	8	ND	5	32	.3	3	2	43	.24	.144	20	30	.36	200	.15	3	2.42	.05	.12	1	2
756N 1062E	1	35	18	93	.2	23	9	431	2.35	12	5	ND	4	52	.2	4	2	39	.34	.091	19	34	.45	154	.16	3	2.51	.06	.10	1	2
756N 1066E	1	38	11	67	.1	20	7	382	2.07	20	5	ND	3	42	.2	2	2	34	.23	.113	14	27	.34	147	.16	3	2.62	.07	.09	1	2
STANDARD C/AU-S	19	63	41	131	7.1	69	31	1053	3.94	41	23	7	39	51	18.6	18	23	55	.48	.089	35	58	.88	174	.09	33	1.86	.08	.14	11	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
756N 1070E	1	19	10	80	.2	16	7	274	2.15	13	5	ND	2	36	.2	2	2	30	.21	.177	10	34	.22	154	.14	3	2.60	.04	.09	1	1
756N 1074E	1	23	11	88	.2	18	7	386	2.27	14	5	ND	4	36	.2	2	2	39	.23	.117	18	30	.33	167	.14	3	2.13	.04	.11	1	2
756N 1078E	1	19	13	71	.2	17	7	291	2.50	14	5	ND	5	31	.2	3	2	41	.27	.113	19	31	.38	146	.15	4	2.48	.03	.12	1	2
756N 1082E	1	23	14	83	.1	18	8	473	2.73	20	5	ND	5	27	.2	2	2	49	.28	.136	19	36	.48	152	.16	3	2.65	.04	.12	1	3
756N 1086E	1	21	12	79	.1	22	8	345	2.68	16	5	ND	5	34	.2	2	2	45	.27	.213	16	37	.45	191	.15	3	2.61	.04	.14	1	2
756N 1090E	1	24	11	90	.1	19	7	365	2.42	13	5	ND	4	46	.2	2	2	39	.30	.175	19	33	.38	176	.15	3	2.24	.04	.15	1	2
756N 1094E	1	25	14	77	.1	19	7	275	2.69	15	5	ND	6	34	.2	2	2	45	.28	.130	25	34	.42	182	.15	4	2.45	.04	.17	1	2
756N 1098E	1	13	9	90	.1	16	5	530	2.07	12	5	ND	2	36	.2	2	2	33	.27	.068	13	28	.32	200	.13	3	1.88	.03	.15	1	3
RE 756N 1090E	1	22	10	86	.1	18	6	353	2.31	10	5	ND	3	44	.2	2	2	38	.29	.167	18	32	.36	168	.14	3	2.10	.04	.12	1	2
756N 1102E	1	22	12	72	.1	17	6	235	2.57	13	5	ND	5	34	.2	2	2	43	.29	.147	21	34	.38	173	.14	3	2.04	.03	.16	1	2
756N 1106E	1	14	12	68	.1	15	5	332	1.98	6	5	ND	3	29	.2	2	2	32	.23	.121	17	27	.30	142	.11	3	1.56	.03	.11	1	1
STANDARD C/AU-S	19	62	39	132	7.4	69	31	1057	3.94	41	15	8	39	51	18.5	15	24	57	.47	.090	35	58	.87	179	.09	34	1.88	.09	.16	10	46

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
834N 1018E	1	29	9	83	.3	39	9	563	2.38	26	5	ND	3	29	.2	2	3	39	.23	.127	11	33	.44	146	.15	3	2.18	.05	.10	1	4
834N 1022E	1	21	9	61	.5	28	9	260	2.50	13	5	ND	5	27	.5	2	2	44	.23	.030	11	35	.41	136	.17	4	2.18	.05	.12	1	2
834N 1026E	1	23	7	94	.3	26	8	369	2.22	9	5	ND	2	24	.2	2	2	42	.25	.106	12	35	.39	143	.15	3	1.82	.05	.11	1	1
834N 1030E	1	22	9	72	.4	19	7	435	2.09	9	5	ND	3	27	.2	2	2	36	.25	.123	13	27	.30	164	.14	4	2.04	.05	.12	1	6
834N 1034E	1	39	7	69	.6	20	6	283	2.08	12	5	ND	2	67	.2	2	2	36	.69	.039	17	32	.41	152	.13	5	1.50	.08	.16	1	2
834N 1038E	1	31	8	88	.4	23	8	365	2.27	13	5	ND	3	31	.2	2	2	44	.27	.203	14	36	.38	154	.15	3	2.13	.05	.12	1	2
834N 1042E	1	26	7	69	.5	19	7	294	2.05	8	5	ND	3	24	.2	2	2	38	.23	.132	12	26	.31	136	.15	3	2.22	.05	.11	1	4
834N 1046E	1	30	10	72	.5	22	8	383	2.35	15	5	ND	4	24	.2	2	2	42	.24	.160	17	30	.36	171	.16	3	2.35	.06	.12.	1	12
834N 1050E	1	50	8	81	.4	28	7	302	2.24	23	5	ND	5	49	.2	2	2	41	.48	.032	21	39	.45	106	.14	3	1.38	.06	.12	1	3
834N 1054E	1	22	10	74	.3	18	6	559	2.02	9	5	ND	2	26	.2	2	2	40	.24	.153	12	30	.31	170	.13	2	1.67	.05	.11	1	2
834N 1058E	1	15	8	49	.5	19	5	169	1.99	6	5	ND	4	62	.2	2	2	30	.61	.026	16	27	.37	113	.14	4	2.10	.07	.11	1	2
822N 1018E	1	55	10	124	.7	30	9	280	2.80	13	5	ND	4	71	.2	2	2	47	.78	.075	26	47	.73	189	.17	4	1.87	.07	.20	1	3
822N 1022E	1	39	11	123	.5	32	10	370	2.74	15	5	ND	4	37	.2	2	2	52	.32	.108	17	43	.57	146	.18	4	2.34	.06	.16	1	2
822N 1026E	1	32	9	80	.7	24	8	368	2.38	12	5	ND	4	32	.2	2	2	45	.28	.180	18	34	.38	163	.16	4	2.41	.05	.12	1	2
822N 1030E	1	70	13	163	.7	26	9	401	2.58	11	5	ND	4	71	1.3	2	2	46	.77	.030	24	35	.50	147	.15	5	1.89	.08'	.14	1	3
822N 1034E	1	33	11	73	.5	22	7	344	2.28	11	5	ND	4	25	.2	2	3	44	.26	.116	19	35	.41	153	.16	3	2.16	.05	.13	1	3
822N 1038E	1	33	11	105	.6	22	8	392	2.38	16	5	ND	5	28	.2	2	2	46	.28	.103	18	33	.46	159	.16	3	2.41	.05	.11	1	2
822N 1042E	1	24	12	100	.6	21	7	304	2.15	12	5	ND	4	39	.3	3	2	43	.31	.052	18	30	.35	134	.14	3	1.90	.06	.12	1	20
RE 822N 1030E	1	60	9	140	.7	22	8	348	2.21	11	5	ND	4	64	1.1	2	2	41	.67	.028	21	32	.43	134	.14	4	1.66	.07	.14	1	3
822N 1046E	1	17	12	120	.7	22	6	320	2.02	27	5	ND	3	48	.4	2	2	38	.49	.050	18	26	.41	99	.13	3	2.11	.06	.09	1	2
822N 1050E	1	32	13	99	.7	27	9	407	2.46	16	10	ND	5	53	.2	2	2	44	.50	.027	30	35	.45	137	.16	4	2.20	.07	.11	1	1
822N 1054E	1	27	12	89	.6	20	7	459	2.24	17	5	ND	4	29	.2	2	2	41	.24	.185	17	30	.34	167	.15	3	2.40	.05	.11	1	2
822N 1058E	1	33	10	93	.8	25	8	363	2.47	16	6	ND	5	32	.2	2	3	47	.30	.173	21	32	.42	173	.16	3	2.60	.05	.15	1	8
810N 1010E	1	18	14	65	.7	23	8	321	2.28	15	5	ND	4	60	.2	2	2	42	.43	.217	13	40	.43	141	.17	4	2.09	.04	.14	1	6
810N 1014E	1	25	12	65	.4	25	9	234	2.51	13	5	ND	4	47	.2	2	3	47	.35	.053	14	38	.51	116	.19	4	2.33	.05	.12	1	5
810N 1018E	1	56	14	113	.8	28	10	472	2.57	22	6	ND	5	69	.7	2	2	52	.71	.049	22	35	.54	116	.17	6	2.37	.07	.14	1	4
810N 1022E	1	35	30	170	.8	24	9	403	2.41	25	5	ND	4	28	.4	2	2	47	.26	.107	15	33	.45	154	.16	3	2.42	.05	.11	1	4
810N 1026E	1	43	20	179	.6	24	9	335	2.30	20	5	ND	3	28	.3	2	2	44	.27	.104	13	32	.42	132	.15	3	2.17	.05	.11	1	13
810N 1030E	1	30	17	218	.7	21	8	430	2.41	16	5	ND	4	31	.7	2	4	47	.30	.129	15	30	.41	146	.15	2	2.18	.05	.09	1	2
810N 1034E	1	27	14	158	.7	45	9	354	2.53	18	5	ND	4	36	.2	2	2	54	.39	.124	15	47	.80	121	.14	3	1.97	.04	.10	1	6
810N 1038E	1	28	15	109	.7	30	9	452	2.52	22	5	ND	4	30	.2	2	3	45	.28	.128	18	35	.42	156	.15	3	2.51	.05	.12	1	2
810N 1042E	1	24	12	100	.8	25	9	331	2.42	18	5	ND	5	32	.2	2	2	45	.29	.116	15	35	.37	160	.15	3	2.33	.05	.15	1	6
810N 1046E	1	31	13	121	.6	23	8	431	2.37	19	5	ND	4	26	.3	2	3	39	.24	.233	17	28	.35	200	.16	4	2.79	.06	.13	1	2
810N 1050E	1	26	12	102	.4	21	7	446	2.21	12	5	ND	3	38	.2	2	2	42	.34	.182	16	33	.36	206	.14	3	2.17	.05	.13	1	2
810N 1078E	1	22	14	94	.6	20	7	325	2.27	16	8	ND	5	31	.2	2	2	40	.24	.208	15	27	.29	166	.14	3	2.36	.05	.13	1	2
810N 1082E	1	34	14	84	.8	23	9	269	2.73	18	9	ND	8	39	.2	3	2	47	.29	.115	24	34	.42	237	.16	2	3.13	.05	.17	1	3
810N 1086E	1	21	13	86	.7	18	7	567	2.35	13	5	ND	5	32	.2	2	2	40	.27	.176	18	29	.30	203	.14	3	2.32	.05	.13	1	2
STANDARD C\AU-S	20	60	41	132	7.6	77	32	1092	3.97	42	16	7	41	52	19.0	14	21	59	.48	.090	37	58	.89	176	.09	33	1.88	.08	.15	11	46

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

Total : 305 samples

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
810N 1090E	1	17	11	82	.3	18	6	342	2.32	13	5	ND	6	28	.2	2	2	37	.24	.200	14	27	.33	186	.14	5	2.24	.04	.14	1	8
810N 1094E	1	23	11	73	.2	15	5	375	1.99	14	5	ND	4	42	.2	2	2	35	.34	.152	18	25	.26	175	.12	3	1.97	.05	.13	1	5
810N 1098E	1	28	11	81	.4	17	7	330	2.40	12	16	ND	6	37	.2	2	3	39	.28	.115	27	24	.34	161	.16	4	2.94	.05	.14	1	2
798N 1010E	1	39	14	196	.3	27	14	350	3.10	18	5	ND	2	23	.8	2	2	67	.27	.102	8	30	.85	120	.14	3	1.99	.04	.10	1	3
798N 1014E	1	28	11	143	.2	22	10	521	2.56	16	5	ND	3	23	.6	2	3	42	.20	.157	11	26	.46	170	.14	4	2.29	.05	.11	1	6
798N 1018E	1	27	10	95	.3	19	7	437	2.28	15	5	ND	3	35	.4	2	2	41	.41	.038	16	28	.40	114	.14	8	1.98	.06	.10	1	9
798N 1022E	1	23	10	139	.4	20	7	381	2.21	17	5	ND	3	30	.3	2	2	38	.25	.159	14	30	.34	152	.15	4	2.27	.05	.11	1	4
798N 1026E	1	90	8	92	.5	20	6	269	1.65	8	5	ND	2	72	.6	2	2	26	.62	.038	22	23	.32	168	.10	3	1.38	.08	.14	1	9
798N 1030E	1	20	9	126	.2	18	6	371	2.05	12	5	ND	2	28	.2	2	2	35	.27	.175	12	27	.29	170	.13	5	2.01	.05	.13	1	24
798N 1034E	1	25	11	117	.5	19	6	425	2.07	14	5	ND	3	29	.2	2	2	36	.26	.176	16	27	.30	181	.13	3	2.14	.05	.13	1	9
798N 1038E	1	34	8	85	.4	20	7	303	2.10	13	5	ND	4	51	.2	2	2	37	.33	.066	19	27	.32	144	.14	2	1.92	.06	.11	2	3
798N 1042E	1	25	8	71	.2	19	6	323	1.94	10	5	ND	2	38	.2	2	2	36	.30	.091	14	27	.32	154	.13	2	1.79	.06	.12	1	13
798N 1046E	1	23	9	59	.1	17	6	289	1.95	11	5	ND	2	37	.2	2	2	34	.32	.086	14	24	.30	154	.14	5	2.03	.06	.11	1	24
798N 1050E	1	27	9	78	.4	20	7	358	2.11	17	5	ND	4	33	.2	2	2	37	.27	.196	15	27	.31	226	.14	4	2.15	.05	.15	1	16
786N 1010E	1	28	5	90	.5	25	8	264	2.08	20	5	ND	4	26	.2	2	2	39	.24	.123	13	27	.30	140	.12	4	1.57	.04	.11	1	15
786N 1014E	1	31	7	60	.4	20	7	248	2.13	26	12	ND	4	26	.2	2	2	37	.25	.128	16	24	.30	136	.14	3	2.37	.05	.14	1	13
786N 1018E	1	22	7	87	.2	20	8	420	2.34	13	5	ND	3	35	.2	2	2	41	.29	.160	16	33	.38	182	.13	2	1.76	.04	.13	1	4
786N 1022E	1	17	8	61	.3	19	7	291	2.11	9	5	ND	3	34	.2	2	2	35	.31	.085	12	25	.27	157	.14	3	2.15	.05	.13	1	49
RE 798N 1050E	1	29	8	81	.3	21	7	373	2.17	18	5	ND	4	34	.2	2	2	38	.27	.203	16	27	.32	234	.14	6	2.23	.05	.15	1	14
786N 1026E	1	25	6	38	.3	16	6	238	1.79	8	5	ND	3	40	.2	2	2	26	.37	.021	14	21	.27	128	.11	2	1.65	.06	.12	1	5
786N 1030E	1	25	7	46	.6	20	7	248	2.11	9	5	ND	5	39	.3	2	2	33	.34	.021	17	25	.30	168	.14	4	1.97	.06	.19	1	3
786N 1034E	1	31	10	56	.3	19	9	545	2.34	15	5	ND	4	54	.2	2	4	39	.49	.023	15	28	.41	172	.16	3	2.19	.06	.17	1	4
786N 1038E	1	20	7	63	.2	18	6	348	1.93	7	5	ND	3	46	.2	2	2	36	.29	.113	15	27	.28	190	.12	2	1.60	.05	.16	1	71
786N 1042E	1	23	7	63	.4	19	7	245	2.03	10	5	ND	3	48	.2	2	2	35	.32	.097	14	26	.27	167	.13	3	1.93	.05	.15	1	2
786N 1046E	1	21	9	56	.4	20	7	201	2.07	14	5	ND	4	41	.2	2	2	34	.29	.046	15	24	.29	154	.14	3	2.24	.06	.15	1	3
786N 1050E	1	23	9	81	.3	23	7	319	2.28	15	5	ND	4	48	.2	2	2	41	.32	.275	14	29	.35	192	.14	3	2.27	.05	.14	1	1
786N 1054E	1	15	8	86	.1	17	6	499	2.00	11	5	ND	2	30	.2	2	2	37	.22	.221	11	28	.27	198	.14	2	1.88	.04	.11	1	5
786N 1058E	1	24	8	90	.3	23	7	459	2.33	15	5	ND	4	29	.2	2	2	45	.28	.166	17	35	.38	182	.13	5	1.92	.04	.14	1	3
786N 1062E	1	23	8	58	.3	20	7	246	2.05	9	5	ND	4	39	.2	2	2	39	.35	.041	17	28	.31	177	.13	2	1.74	.06	.13	1	2
786N 1066E	1	21	9	81	.5	20	6	372	1.87	9	5	ND	3	39	.2	2	2	34	.30	.099	15	26	.28	188	.13	3	1.75	.05	.13	1	2
786N 1070E	1	21	10	88	.4	18	6	409	1.94	11	5	ND	4	37	.2	2	2	34	.29	.206	17	24	.27	189	.13	3	1.97	.04	.11	1	1
786N 1074E	1	25	10	82	.2	23	6	397	2.26	11	8	ND	5	40	.2	2	2	36	.34	.238	18	24	.34	265	.17	5	2.88	.05	.14	1	2
786N 1078E	1	30	10	73	.4	21	7	364	2.34	18	13	ND	6	31	.2	2	2	43	.28	.150	22	29	.36	189	.16	4	2.41	.05	.14	1	4
786N 1082E	1	22	9	72	.2	20	6	308	2.07	7	5	ND	4	26	.2	2	2	37	.21	.165	17	27	.30	217	.12	2	1.90	.05	.11	1	2
786N 1086E	1	22	10	79	.1	19	7	305	2.22	11	5	ND	3	34	.2	2	2	36	.27	.245	14	26	.29	202	.14	3	2.25	.05	.18	1	2
786N 1090E	1	17	16	104	.5	15	6	922	2.36	16	7	ND	3	28	.3	2	2	40	.27	.188	30	25	.32	127	.13	4	2.01	.03	.17	1	3
786N 1094E	1	14	12	85	.3	19	6	531	2.36	7	5	ND	4	33	.2	2	2	41	.29	.066	17	30	.34	187	.13	3	1.93	.04	.12	1	1
STANDARD C/AU-S	20	60	40	132	7.5	77	32	1115	3.95	41	18	7	41	52	18.8	15	21	59	.48	.090	37	58	.89	177	.09	33	1.87	.08	.16	10	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
774N 1002E	1	43	7	95	.1	29	11	986	2.80	12	5	ND	5	29	.7	2	2	50	.29	.107	13	41	.63	251	.16	2	2.49	.02	.10	1	2
RE 774N 1022E	1	49	3	31	.1	13	7	579	1.48	9	5	ND	2	87	.2	2	2	24	.73	.023	16	21	.25	70	.09	3	1.25	.04	.09	1	1
774N 1006E	1	21	5	110	.1	16	7	663	1.76	15	5	ND	3	21	.2	2	2	34	.18	.114	7	21	.30	183	.11	2	1.41	.03	.10	1	2
774N 1010E	1	61	12	94	.1	20	10	545	2.63	14	5	ND	6	31	.8	2	3	45	.31	.160	16	28	.46	149	.15	2	2.80	.03	.13	1	2
774N 1014E	1	21	10	80	.1	18	7	441	1.97	9	5	ND	4	26	.2	2	2	35	.22	.088	10	23	.30	130	.12	3	1.71	.03	.12	1	7
774N 1018E	1	13	8	91	.1	12	5	466	1.82	8	5	ND	5	42	.2	2	2	32	.29	.212	13	20	.23	230	.10	4	1.32	.03	.10	1	1
774N 1022E	1	53	6	34	.1	13	7	603	1.59	9	5	ND	2	91	.2	2	2	25	.76	.024	17	22	.27	76	.10	2	1.34	.05	.10	1	1
774N 1026E	1	19	6	77	.1	18	6	377	1.85	9	5	ND	4	36	.2	2	2	28	.35	.192	8	18	.24	169	.12	2	2.01	.03	.11	1	1
774N 1030E	1	19	11	73	.1	18	6	456	1.90	13	5	ND	4	28	.2	2	2	30	.21	.174	9	19	.24	205	.13	2	2.18	.03	.09	1	1
774N 1034E	1	24	7	72	.1	19	6	350	1.95	10	5	ND	4	28	.2	2	2	32	.19	.157	8	21	.28	165	.12	2	2.08	.03	.11	1	1
774N 1038E	1	31	12	62	.2	20	7	342	2.09	11	5	ND	5	43	.6	2	2	36	.42	.037	24	26	.36	109	.14	2	2.22	.03	.10	1	2
774N 1042E	1	22	13	53	.1	17	7	338	2.13	11	5	ND	5	48	.2	2	2	33	.48	.021	18	24	.35	115	.14	2	1.99	.04	.10	1	2
774N 1046E	1	24	9	86	.1	17	6	379	2.09	14	5	ND	6	38	.2	2	2	37	.30	.224	12	23	.28	177	.13	2	2.08	.03	.10	1	2
774N 1050E	1	34	15	77	.1	21	8	346	2.59	24	5	ND	5	52	.2	2	2	45	.33	.217	12	30	.38	126	.15	2	2.76	.03	.10	1	3
774N 1054E	1	30	17	70	.3	24	9	274	2.40	18	5	ND	4	70	.2	2	2	39	.41	.065	14	26	.41	110	.16	2	2.72	.04	.11	1	1
774N 1058E	1	29	14	66	.2	19	7	314	2.25	18	5	ND	5	35	.2	2	2	39	.27	.205	14	26	.30	119	.13	4	2.39	.03	.10	1	2
774N 1062E	1	30	11	66	.1	20	8	266	2.27	22	5	ND	4	37	.2	2	2	41	.28	.083	15	28	.35	95	.14	2	2.33	.03	.11	1	1
774N 1066E	1	24	7	73	.2	18	6	470	2.08	16	5	ND	5	34	.2	2	2	36	.28	.154	15	25	.29	208	.12	3	1.96	.03	.12	1	1
774N 1070E	1	23	5	92	.1	18	7	459	2.22	11	5	ND	5	31	.2	2	2	37	.22	.222	11	25	.32	248	.13	2	2.01	.03	.14	1	2
774N 1074E	1	26	15	77	.1	21	7	347	2.46	20	5	ND	5	34	.2	2	2	44	.36	.232	17	29	.38	160	.14	4	2.54	.02	.16	1	2
774N 1078E	1	17	13	86	.1	15	5	464	2.05	12	5	ND	6	28	.2	2	2	34	.21	.201	17	20	.26	203	.13	2	2.31	.03	.10	1	3
774N 1082E	1	22	14	65	.1	15	6	299	2.42	11	5	ND	5	26	.4	2	2	41	.21	.107	26	23	.33	135	.15	2	2.89	.03	.10	2	4
774N 1086E	1	22	16	85	.1	16	7	486	2.82	8	5	ND	6	24	.2	2	2	46	.22	.167	15	26	.41	186	.13	2	2.89	.02	.12	1	7
774N 1090E	1	26	9	89	.1	17	7	349	2.35	13	5	ND	6	22	.4	2	2	44	.22	.161	18	31	.35	132	.13	2	2.01	.02	.11	2	3
762N 1002E	1	23	13	96	.1	20	6	448	1.88	8	5	ND	4	23	.2	2	2	31	.19	.236	8	17	.25	227	.12	2	1.99	.02	.09	1	3
762N 1006E	1	41	12	90	.2	23	8	334	2.26	17	5	ND	6	22	.2	2	2	37	.19	.140	17	22	.32	139	.14	2	2.70	.03	.09	1	5
762N 1010E	1	28	10	55	.1	18	7	255	2.00	12	5	ND	4	32	.2	2	2	36	.25	.046	8	22	.31	127	.13	4	1.94	.03	.09	1	3
762N 1014E	1	40	7	81	.1	26	8	227	2.31	19	5	ND	6	37	.5	2	2	40	.26	.145	10	25	.33	143	.14	2	2.39	.02	.11	1	2
762N 1018E	1	30	11	80	.1	23	7	288	2.14	12	5	ND	6	35	.2	2	2	36	.30	.160	15	20	.33	162	.14	2	2.47	.03	.11	1	2
762N 1022E	1	26	9	88	.1	20	7	486	2.35	14	5	ND	6	34	.2	2	2	38	.25	.240	14	25	.34	239	.13	2	2.46	.02	.13	1	3
762N 1026E	1	25	12	87	.1	14	6	380	2.04	10	5	ND	6	33	.5	2	3	35	.27	.140	18	20	.30	148	.12	2	2.00	.03	.14	1	3
762N 1030E	1	26	9	79	.1	20	7	413	2.30	13	5	ND	5	33	.2	2	2	38	.29	.193	17	22	.32	180	.14	2	2.62	.02	.11	1	66
762N 1034E	1	17	9	119	.1	17	6	651	2.25	23	5	ND	6	50	.2	2	2	35	.25	.429	10	22	.25	327	.12	2	2.52	.02	.08	1	2
762N 1038E	1	18	13	83	.1	19	7	426	2.28	11	5	ND	7	49	.2	2	2	36	.34	.240	15	22	.34	209	.13	3	2.18	.02	.10	1	3
762N 1042E	1	19	4	74	.1	17	6	389	2.12	13	5	ND	5	40	.2	2	2	35	.26	.254	17	21	.26	161	.12	2	2.17	.03	.10	1	3
762N 1046E	1	26	11	101	.1	18	7	571	2.17	19	5	ND	6	40	.2	2	2	35	.24	.312	14	23	.31	265	.14	2	2.46	.03	.10	1	2
762N 1050E	1	20	6	63	.1	18	7	300	2.00	12	5	ND	5	32	.2	2	2	42	.25	.051	13	32	.48	117	.15	3	1.36	.02	.15	1	2
STANDARD C/AU-S	20	60	38	133	7.6	70	31	1063	3.95	42	17	7	36	53	18.6	12	20	57	.49	.090	37	59	.88	176	.09	36	1.89	.06	.15	10	45

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
762N 1054E	1	27	7	101	.2	19	8	499	2.27	12	5	ND	5	33	.6	2	2	46	.27	.170	17	31	.38	186	.15	2	2.37	.03	.09	1	9
762N 1058E	1	17	10	210	.1	11	6	569	1.71	11	5	ND	4	33	.3	2	2	38	.24	.130	9	22	.29	190	.10	3	1.15	.02	.07	1	3
969E 1021N	1	28	10	111	.1	15	7	323	2.58	10	5	ND	7	44	.5	2	2	46	.29	.207	15	23	.34	154	.12	3	1.84	.02	.12	1	3
969E 1018N	1	32	13	62	.2	20	7	336	2.04	11	5	ND	5	35	.3	2	2	39	.31	.067	46	24	.31	83	.14	4	2.09	.03	.12	1	3
969E 1015N	1	37	14	79	.3	24	8	365	2.09	19	6	ND	5	46	.4	2	2	36	.42	.052	32	24	.36	141	.15	4	2.28	.03	.10	1	2
969E 1012N	1	61	11	50	.2	38	8	306	2.18	20	6	ND	4	72	.4	2	2	37	.77	.029	22	36	.50	134	.15	4	1.94	.04	.12	1	2
969E 1009N	1	129	8	51	.4	52	7	207	1.78	27	5	ND	3	72	.3	2	2	33	.65	.037	27	24	.37	197	.14	3	2.30	.05	.12	1	3
969E 1006N	1	97	7	50	.4	39	8	515	1.76	30	5	ND	3	60	.2	2	2	35	.57	.028	27	20	.35	128	.14	3	2.19	.04	.10	1	3
969E 1003N	1	39	2	166	.1	22	10	1131	1.72	12	5	ND	2	52	.4	2	2	31	.40	.234	8	22	.31	369	.12	2	1.91	.03	.11	1	1
969E 1000N	1	13	5	24	.1	7	3	107	.81	3	5	ND	1	29	.2	2	2	20	.25	.011	4	8	.12	51	.07	4	.68	.04	.07	1	1
969E 997N	1	25	14	128	.1	11	6	790	2.03	13	5	ND	5	47	.2	2	2	33	.33	.267	15	17	.29	272	.13	3	2.27	.03	.12	1	1
969E 994N	1	26	18	123	.2	21	8	718	2.26	30	5	ND	5	28	.3	2	2	41	.21	.293	11	23	.35	196	.15	2	2.87	.02	.10	1	4
969E 991N	1	26	12	91	.2	22	8	687	2.16	21	5	ND	5	25	.4	2	2	41	.22	.139	10	24	.36	180	.15	4	2.42	.02	.13	1	4
969E 988N	1	30	8	83	.1	27	7	479	2.13	21	5	ND	5	27	.3	2	2	41	.24	.106	11	24	.41	213	.15	2	2.35	.02	.15	1	4
973E 1021N	1	17	4	41	.1	12	5	301	1.50	12	5	ND	3	39	.2	2	2	27	.36	.019	13	14	.22	73	.12	2	1.74	.03	.07	1	1
973E 1018N	1	21	14	100	.1	16	6	502	2.23	11	5	ND	6	32	.4	2	2	40	.27	.266	19	21	.31	216	.13	2	1.97	.02	.09	1	2
973E 1015N	1	22	12	61	.1	15	7	333	2.16	10	5	ND	6	26	.3	2	2	45	.24	.099	14	27	.39	116	.14	2	1.44	.02	.13	1	5
973E 1012N	1	75	10	57	.5	22	8	432	2.41	17	7	ND	5	60	.5	2	2	38	.50	.031	29	23	.39	200	.15	4	2.66	.04	.13	1	3
973E 1009N	1	108	9	40	.2	48	8	481	2.19	27	5	ND	4	75	.4	2	2	36	.68	.045	26	25	.38	208	.12	2	2.08	.04	.14	1	3
973E 1006N	1	78	15	63	.3	38	11	616	2.34	31	5	ND	3	73	.3	2	2	40	.71	.039	17	29	.47	181	.14	2	2.25	.04	.16	1	250
973E 1003N	1	151	8	39	.3	33	5	130	1.48	14	8	ND	3	68	.2	2	2	26	.57	.040	47	21	.33	257	.13	2	2.08	.05	.12	1	9
973E 1000N	1	24	9	84	.1	14	7	495	1.78	13	5	ND	4	46	.2	2	2	34	.38	.112	10	18	.30	226	.13	3	1.67	.03	.12	1	2
973E 997N	1	18	8	53	.1	16	6	241	1.86	16	5	ND	4	48	.2	2	2	30	.44	.036	11	20	.35	126	.15	2	2.20	.04	.10	1	2
973E 994N	1	27	12	63	.1	20	7	360	2.10	14	5	ND	5	28	.2	2	2	41	.23	.063	12	23	.35	123	.15	2	2.22	.03	.13	1	8
973E 991N	1	28	6	103	.1	20	7	599	1.94	13	5	ND	5	27	.2	2	2	37	.23	.177	14	22	.34	212	.14	2	2.15	.02	.12	1	5
RE 973E 1003N	1	148	11	38	.2	32	5	124	1.45	15	7	ND	2	67	.2	2	2	25	.55	.039	46	23	.33	251	.13	2	2.03	.05	.12	1	14
973E 988N	1	24	10	89	.1	17	6	506	1.91	10	5	ND	4	30	.2	2	2	36	.25	.151	14	20	.30	176	.13	2	2.12	.03	.11	1	2
977E 1021N	1	22	11	88	.1	13	6	485	1.73	12	5	ND	4	29	.2	2	2	30	.24	.210	15	15	.23	142	.12	2	2.10	.03	.11	1	2
977E 1018N	1	27	10	70	.1	18	7	427	2.04	16	5	ND	5	36	.2	2	2	35	.28	.145	18	20	.32	135	.14	2	2.34	.03	.16	1	4
977E 1015N	1	18	6	71	.1	11	6	483	1.86	7	5	ND	5	39	.2	2	2	37	.25	.183	14	17	.24	117	.10	2	1.25	.02	.10	1	2
977E 1012N	1	37	13	37	.2	17	6	279	2.14	8	5	ND	5	53	.3	2	2	36	.53	.019	23	23	.38	113	.15	2	1.93	.03	.18	1	14
977E 1009N	1	41	11	97	.2	27	10	549	2.11	17	5	ND	3	58	.2	2	2	33	.52	.048	16	24	.42	139	.16	2	2.40	.05	.15	1	1
977E 1006N	1	74	7	82	.2	51	10	775	2.30	28	5	ND	4	61	.4	2	2	36	.50	.028	24	25	.43	194	.16	2	2.35	.05	.16	1	2
977E 1003N	1	45	4	54	.2	36	7	279	1.71	24	5	ND	2	60	.2	2	2	28	.51	.021	18	18	.29	146	.13	2	2.09	.04	.09	1	2
977E 1000N	1	89	9	43	.2	20	6	218	1.97	18	5	ND	4	59	.2	2	2	33	.54	.018	58	21	.35	179	.14	2	2.11	.04	.15	1	3
977E 997N	1	28	9	75	.1	18	8	381	2.19	12	5	ND	4	44	.2	2	2	45	.35	.034	15	27	.35	184	.12	2	1.50	.03	.16	1	6
STANDARD C\AU-S	19	62	38	131	7.5	71	32	1087	3.99	42	16	7	38	52	18.7	12	21	60	.49	.090	38	58	.89	177	.09	33	1.90	.06	.15	11	50

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
981E 1021N	1	27	11	74	.1	19	7	341	2.39	10	5	ND	5	27	.2	2	5	45	.22	.074	17	28	.33	160	.16	2	2.25	.05	.12	1	3
981E 1018N	1	22	10	120	.1	21	7	467	2.23	12	5	ND	4	37	.2	2	2	35	.31	.228	16	25	.33	242	.16	3	2.36	.05	.15	1	1
981E 1015N	1	23	12	68	.1	23	8	350	2.21	12	5	ND	4	43	.2	3	2	39	.37	.031	15	24	.34	150	.17	3	2.53	.07	.13	1	4
981E 1012N	1	26	9	103	.1	29	9	301	1.91	12	5	ND	2	45	.2	2	2	36	.42	.046	11	24	.37	119	.16	2	2.08	.08	.10	1	11
981E 1009N	1	46	6	158	.1	41	13	372	2.34	18	5	ND	3	49	.2	2	2	42	.42	.099	10	31	.46	200	.18	2	2.54	.08	.15	1	14
981E 1006N	1	167	9	53	.3	57	8	147	2.12	16	5	ND	2	72	.2	2	2	31	.58	.039	46	25	.37	237	.15	2	2.50	.08	.14	1	4
981E 1003N	1	29	11	129	.1	16	7	434	1.95	9	5	ND	4	56	.4	2	2	35	.45	.168	22	22	.25	247	.12	3	1.47	.07	.13	1	3
981E 1000N	1	14	10	59	.1	13	6	236	1.92	8	5	ND	4	40	.2	2	2	33	.31	.086	11	21	.22	146	.13	4	1.55	.06	.13	1	1
981E 997N	1	19	11	94	.2	15	6	588	1.86	11	5	ND	4	49	.2	2	2	31	.45	.202	15	22	.24	311	.13	4	1.76	.06	.17	1	2
981E 994N	1	15	10	71	.1	19	7	274	2.22	8	5	ND	4	42	.2	3	3	36	.29	.078	10	25	.32	167	.15	4	2.01	.06	.17	1	4
981E 991N	1	142	11	45	.6	40	7	216	2.08	15	5	ND	4	57	.4	2	2	36	.64	.028	65	30	.36	125	.15	2	2.03	.08	.16	1	6
981E 988N	1	21	11	86	.1	20	7	519	2.31	12	5	ND	5	29	.2	2	2	37	.22	.129	15	25	.37	172	.17	3	2.34	.07	.20	1	8
985E 1021N	1	23	9	95	.1	20	7	467	2.26	16	5	ND	5	27	.2	2	2	39	.22	.155	13	25	.32	171	.16	3	2.22	.06	.16	1	3
985E 1018N	1	20	12	99	.1	18	6	326	2.42	12	5	ND	5	34	.2	2	2	41	.25	.201	14	23	.33	181	.15	3	2.17	.05	.11	1	4
985E 1015N	1	16	12	117	.1	14	5	382	2.19	13	5	ND	5	39	.2	3	2	37	.24	.187	14	21	.27	210	.13	4	1.57	.05	.13	1	3
985E 1012N	1	37	7	142	.2	37	11	529	2.64	26	5	ND	4	33	.4	4	3	49	.26	.170	12	32	.43	213	.19	3	3.09	.06	.12	1	2
RE 985E 997N	1	77	9	37	.4	27	6	397	1.91	16	5	ND	3	64	.2	4	2	28	.60	.040	27	23	.32	201	.12	2	1.81	.07	.15	1	8
985E 1009N	1	51	10	141	.3	41	12	373	2.86	32	5	ND	5	32	.3	6	2	54	.26	.229	13	37	.56	222	.19	3	2.94	.05	.16	1	6
985E 1006N	1	112	9	55	.4	48	7	199	2.12	20	5	ND	3	61	.3	2	3	33	.48	.028	30	30	.39	184	.17	3	2.51	.09	.14	1	3
985E 1003N	1	20	5	68	.1	19	7	289	1.96	10	5	ND	4	32	.2	2	2	34	.24	.118	15	24	.25	176	.11	2	1.40	.04	.11	1	2
985E 1000N	1	117	10	43	.5	40	7	180	2.26	14	5	ND	3	65	.2	3	2	31	.60	.044	34	30	.42	212	.15	2	2.14	.08	.16	1	5
985E 997N	1	77	8	36	.4	25	6	392	1.95	16	5	ND	3	63	.2	2	2	28	.63	.040	28	23	.34	197	.12	2	1.80	.07	.14	1	5
985E 994N	1	28	7	39	.2	20	5	184	1.97	6	5	ND	4	41	.2	2	2	33	.46	.022	29	21	.27	142	.13	2	1.89	.07	.11	1	3
985E 991N	1	22	11	94	.1	19	7	546	2.24	14	5	ND	6	31	.2	3	4	41	.25	.150	23	23	.30	170	.15	3	2.24	.05	.11	1	2
985E 988N	1	31	11	107	.1	19	8	505	2.84	10	6	ND	11	46	.2	3	2	43	.33	.206	30	23	.37	233	.17	3	2.58	.06	.22	1	2
989E 1021N	1	24	12	102	.3	23	8	478	2.64	14	6	ND	7	43	.3	7	2	45	.32	.169	19	29	.40	188	.17	4	2.48	.06	.18	3	5
989E 1018N	1	24	10	102	.1	18	7	442	2.41	8	5	ND	6	37	.2	2	2	38	.30	.160	21	21	.33	197	.16	3	2.07	.05	.16	1	6
989E 1015N	1	26	10	94	.1	17	6	562	2.15	14	5	ND	5	32	.2	2	2	35	.29	.163	20	19	.28	186	.16	3	2.44	.06	.10	1	4
989E 1012N	1	41	22	93	.4	30	9	514	2.67	16	5	ND	8	32	.5	6	2	47	.29	.146	19	29	.39	169	.16	3	2.26	.06	.15	2	3
989E 1009N	1	66	13	131	.5	48	14	443	3.06	43	9	ND	7	29	.4	7	2	57	.25	.210	17	38	.64	245	.20	3	3.45	.05	.17	2	10
989E 1006N	2	26	10	47	.3	24	6	147	2.07	12	5	ND	4	34	.2	4	2	36	.36	.038	9	25	.39	187	.18	3	2.63	.07	.12	2	12
989E 1003N	1	22	11	105	.1	21	7	828	2.15	13	5	ND	2	33	.2	2	2	36	.26	.344	13	23	.29	298	.13	3	2.25	.05	.10	1	3
989E 1000N	1	19	8	92	.1	21	7	447	2.25	12	5	ND	6	29	.2	4	2	38	.26	.195	17	24	.30	197	.13	3	1.92	.05	.12	1	3
989E 997N	1	31	11	78	.2	22	8	430	2.59	17	8	ND	7	31	.2	4	2	47	.30	.173	29	29	.34	167	.15	4	2.27	.05	.13	1	4
989E 994N	1	29	9	96	.1	21	7	444	2.80	13	5	ND	8	43	.2	4	2	48	.37	.226	20	26	.36	239	.14	3	2.15	.05	.13	1	48
989E 991N	1	38	13	89	.3	26	9	360	2.76	18	8	ND	8	25	.2	2	2	51	.23	.200	26	28	.40	165	.17	3	2.78	.05	.13	1	3
989E 988N	1	37	8	88	.2	19	7	363	2.47	7	6	ND	7	39	.2	3	2	42	.35	.062	24	22	.36	158	.17	3	2.53	.06	.16	1	2
STANDARD C\AU-S	19	59	38	132	6.8	76	32	1079	3.95	41	17	7	40	52	18.8	16	21	57	.48	.090	36	58	.89	175	.09	34	1.86	.08	.15	10	51

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
997E 1021N	1	26	13	102	.1	20	7	308	2.57	11	5	ND	6	32	.2	2	2	42	.30	.134	14	23	.36	168	.17	4	2.68	.05	.14	1	4
997E 1018N	1	57	16	101	.3	26	9	426	2.70	14	5	ND	7	35	.2	2	4	45	.27	.112	32	28	.42	144	.17	5	2.64	.05	.15	1	31
997E 1015N	1	45	12	104	.2	23	16	623	2.23	14	5	ND	4	31	.2	2	2	36	.25	.172	16	21	.33	203	.17	4	2.83	.06	.12	1	9
997E 1012N	1	35	8	93	.1	27	11	538	2.33	12	5	ND	3	23	.2	2	2	37	.19	.095	9	31	.33	205	.15	4	2.05	.06	.09	1	2
997E 1009N	1	24	7	63	.1	23	10	205	1.95	3	5	ND	3	23	.2	2	2	34	.24	.010	8	28	.35	164	.16	4	1.76	.05	.24	1	6
997E 1006N	1	67	12	63	.3	31	8	128	2.61	3	5	ND	5	73	.2	2	2	33	.82	.033	49	31	.47	341	.21	2	3.50	.08	.04	1	3
997E 1000N	1	30	10	80	.1	15	7	497	1.98	32	5	ND	4	31	.2	2	2	34	.26	.054	14	20	.28	160	.15	3	2.09	.05	.10	1	7
997E 997N	1	25	13	90	.1	15	7	597	2.47	16	5	ND	5	28	.2	2	2	46	.27	.136	19	23	.32	173	.16	4	2.44	.05	.10	1	2
997E 994N	1	26	11	100	.3	19	7	620	2.26	18	5	ND	5	27	.3	5	2	39	.25	.177	16	21	.29	184	.16	4	2.56	.05	.09	1	4
997E 991N	1	27	12	94	.1	19	7	532	2.29	16	5	ND	6	31	.2	2	2	41	.27	.149	21	22	.30	190	.17	3	2.64	.06	.10	1	1
997E 988N	1	17	11	67	.1	11	5	298	2.45	4	5	ND	7	34	.2	2	2	47	.25	.048	24	22	.26	101	.14	3	1.32	.04	.15	1	1
1005E 1030N	1	14	8	62	.1	9	5	306	2.37	2	5	ND	6	32	.2	2	2	45	.27	.037	23	21	.26	92	.14	3	1.32	.04	.17	1	1
1005E 1027N	1	16	10	109	.1	12	5	314	2.34	5	5	ND	7	40	.2	2	2	43	.30	.082	19	21	.26	141	.13	3	1.48	.04	.18	1	1
1005E 1024N	1	24	9	99	.1	13	7	409	2.17	8	5	ND	5	47	.2	2	2	39	.31	.124	13	20	.26	158	.12	4	1.36	.05	.13	1	12
1005E 1021N	1	42	9	99	.1	17	9	384	2.27	5	5	ND	5	32	.2	2	2	38	.27	.064	14	21	.28	124	.13	3	2.00	.05	.11	1	34
1005E 1018N	1	151	10	124	.2	27	21	580	3.12	10	5	ND	3	42	.2	2	2	41	.30	.125	12	31	.35	151	.14	3	1.78	.05	.09	1	9
1005E 1015N	1	166	12	159	.2	39	20	564	3.51	13	5	ND	4	36	.3	2	2	44	.40	.080	14	43	.48	142	.15	3	2.10	.05	.12	1	13
1005E 1012N	1	100	11	145	.2	27	16	851	3.14	18	5	ND	5	41	.2	2	2	47	.37	.156	17	30	.41	194	.15	4	2.26	.05	.11	1	23
1005E 1009N	1	48	11	175	.2	21	10	825	2.58	19	5	ND	4	31	.2	3	2	45	.25	.198	10	21	.36	207	.14	4	2.27	.05	.09	1	7
1005E 1006N	1	40	13	106	.3	26	9	559	2.63	21	5	ND	7	34	.3	3	2	46	.28	.143	16	25	.39	176	.18	3	3.14	.05	.13	1	17
1005E 1003N	1	23	11	65	.1	13	5	436	1.80	13	5	ND	3	25	.2	2	2	37	.17	.089	8	19	.23	123	.12	3	1.20	.05	.09	1	10
1005E 1000N	1	29	13	106	.2	24	7	568	2.21	15	5	ND	5	35	.2	2	2	40	.23	.151	15	22	.33	188	.16	3	2.36	.05	.13	1	7
1005E 997N	1	42	17	105	.1	27	9	573	3.16	30	5	ND	8	37	.2	2	2	59	.28	.120	18	27	.52	197	.20	4	3.35	.04	.15	1	14
1005E 994N	1	49	11	130	.3	26	10	601	2.99	41	5	ND	7	47	.2	2	2	51	.32	.108	17	24	.48	227	.18	4	2.95	.05	.16	1	24
1005E 991N	1	73	10	138	.3	47	12	668	2.90	47	5	ND	7	23	.2	2	2	56	.17	.102	15	25	.53	188	.17	3	2.57	.04	.14	1	13
1005E 988N	1	67	11	135	.4	43	12	565	2.91	35	5	ND	7	36	.2	2	2	55	.26	.091	23	25	.50	217	.18	4	2.77	.05	.15	1	16
1005E 985N	1	29	12	101	.3	17	6	542	2.68	5	5	ND	6	43	.2	2	2	52	.48	.068	25	23	.33	91	.14	4	1.92	.04	.21	1	1
1014E 1036N	1	26	13	81	.3	15	6	343	2.93	7	5	ND	8	36	.2	2	2	60	.39	.052	25	27	.34	73	.15	5	1.84	.04	.22	1	2
1014E 1033N	1	19	12	89	.1	13	6	434	2.32	3	5	ND	7	28	.2	2	2	45	.27	.059	19	23	.24	113	.12	3	1.54	.04	.15	1	1
1014E 1030N	1	34	14	91	.3	18	7	384	2.43	14	7	ND	7	28	.2	2	2	41	.23	.144	36	23	.33	169	.17	4	2.79	.05	.12	1	5
1014E 1027N	1	21	10	67	.1	13	6	386	2.73	6	5	ND	11	31	.3	2	2	57	.31	.050	21	28	.30	85	.14	3	1.16	.04	.17	1	2
1014E 1024N	1	33	9	102	.1	14	7	616	2.12	6	5	ND	6	48	.2	2	2	37	.33	.134	22	20	.26	144	.13	2	1.93	.06	.15	1	2
1014E 1021N	1	58	10	135	.1	19	11	746	2.60	13	5	ND	6	46	.2	2	2	38	.31	.230	24	24	.31	174	.14	3	2.29	.05	.13	1	12
1014E 1018N	2	143	9	43	.5	18	9	886	1.82	9	5	ND	2	73	.3	2	2	27	.93	.050	29	15	.22	80	.09	3	1.68	.07	.07	1	8
1014E 1015N	1	115	8	55	.4	29	9	390	2.01	10	5	ND	3	59	.2	2	2	30	.66	.035	25	25	.35	78	.15	3	2.18	.08	.11	1	11
RE 1014E 1027N	1	21	8	65	.1	11	5	363	2.44	5	5	ND	8	31	.2	2	2	50	.29	.047	19	25	.28	85	.14	2	1.16	.04	.17	1	2
1014E 1012N	1	73	13	142	.4	30	12	458	2.54	18	5	ND	6	30	.2	2	2	41	.29	.080	21	27	.36	98	.17	4	2.63	.06	.13	1	6
STANDARD C\AU-S	20	63	41	132	7.5	77	31	1094	3.96	41	18	8	40	53	18.9	17	21	60	.48	.090	38	58	.88	177	.09	34	1.88	.08	.16	11	49

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1014E 1009N	1	45	11	128	.1	32	11	552	2.87	15	5	ND	5	27	.2	2	2	46	.26	.186	17	33	.43	140	.16	3	2.69	.05	.10	1	4
1014E 1006N	1	28	14	108	.2	18	7	492	2.26	8	5	ND	4	40	.2	2	2	36	.31	.220	18	21	.26	176	.14	5	2.13	.05	.13	1	2
1014E 1003N	1	30	14	113	.2	26	9	617	2.58	11	5	ND	4	44	.2	2	2	46	.49	.106	21	34	.45	124	.17	4	2.14	.06	.15	1	3
1014E 1000N	1	43	11	110	.2	26	10	539	2.59	6	5	ND	4	39	.2	2	2	43	.42	.095	28	31	.48	147	.19	4	2.66	.07	.16	1	1
1014E 997N	1	51	15	116	.4	32	10	513	2.90	5	6	ND	7	42	.2	2	2	53	.51	.105	35	40	.60	138	.20	5	2.63	.07	.15	1	1
1014E 994N	1	42	16	107	.1	30	10	525	2.64	10	5	ND	4	44	.2	2	2	47	.56	.120	29	35	.54	147	.19	4	2.60	.06	.14	1	1
1014E 991N	1	43	14	103	.1	28	9	588	2.63	13	5	ND	4	44	.2	2	2	49	.44	.115	26	31	.47	153	.18	4	2.64	.06	.11	1	3
1014E 988N	1	34	16	73	.1	25	9	609	2.55	10	5	ND	5	39	.2	2	2	49	.29	.128	23	27	.43	181	.17	3	2.71	.05	.12	1	4
1019E 1036N	1	26	13	105	.1	17	7	355	3.18	2	5	ND	7	33	.2	2	2	65	.41	.061	25	31	.38	85	.15	3	1.82	.03	.17	1	1
1019E 1033N	1	25	11	86	.1	13	7	441	2.74	4	5	ND	6	45	.2	2	2	51	.41	.175	33	25	.28	105	.13	5	1.81	.05	.16	1	1
1019E 1030N	1	45	13	106	.2	16	8	402	2.89	5	5	ND	7	37	.2	2	2	49	.36	.213	23	25	.35	157	.14	4	2.06	.04	.16	1	2
1019E 1027N	1	41	14	138	.2	15	8	748	2.67	2	6	ND	6	35	.2	2	2	44	.35	.166	24	24	.32	205	.15	6	2.25	.05	.16	1	3
1019E 1024N	1	106	11	100	.6	25	10	423	2.52	6	5	ND	3	60	.4	2	2	39	.76	.042	18	28	.45	87	.15	3	2.05	.07	.14	1	5
1019E 1021N	1	86	13	149	.2	33	14	658	3.15	13	5	ND	5	41	.3	2	2	50	.46	.171	21	36	.54	191	.19	3	2.70	.05	.15	1	5
1019E 1018N	1	77	14	103	.3	32	13	426	3.28	20	5	ND	7	32	.2	3	2	61	.33	.157	16	41	.55	146	.17	3	2.36	.04	.16	1	22
1019E 1015N	1	39	9	101	.1	23	10	454	2.95	17	5	ND	5	34	.2	2	2	50	.27	.135	17	28	.34	137	.17	3	2.42	.04	.10	1	8
1019E 1012N	1	33	16	118	.3	24	9	461	2.84	21	6	ND	6	36	.2	2	2	46	.32	.328	20	27	.35	193	.17	6	3.17	.04	.11	1	3
1019E 1009N	1	60	10	109	.4	34	12	358	3.21	15	7	ND	8	32	.2	2	2	61	.32	.126	20	40	.57	165	.20	4	2.84	.05	.17	1	2
1019E 1006N	1	52	15	127	.1	34	11	309	3.08	13	5	ND	6	36	.2	2	2	54	.30	.098	16	38	.58	199	.20	3	2.81	.05	.19	1	6
1019E 1003N	1	32	13	128	.1	30	9	302	3.17	15	5	ND	6	52	.2	2	2	54	.40	.281	20	49	.65	178	.21	3	2.66	.05	.14	1	18
1028E 1048N	1	24	16	100	.1	17	7	352	2.96	3	7	ND	8	45	.2	2	2	54	.39	.069	27	24	.40	89	.18	4	2.39	.04	.22	1	2
1028E 1045N	1	24	14	146	.1	17	6	457	2.69	2	5	ND	6	46	.2	2	2	48	.42	.112	19	22	.36	128	.15	5	2.12	.04	.22	1	1
1028E 1042N	1	35	15	120	.1	18	8	342	3.06	3	5	ND	7	38	.2	2	2	54	.41	.107	21	23	.43	100	.15	3	2.35	.03	.13	1	1
1028E 1039N	1	23	11	116	.1	16	7	343	2.67	3	5	ND	6	28	.2	2	2	52	.27	.084	16	24	.33	97	.14	3	2.11	.04	.12	1	1
1028E 1036N	1	24	11	129	.1	17	7	424	2.64	4	5	ND	9	37	.2	2	2	48	.35	.113	17	23	.34	148	.15	5	2.28	.04	.19	1	1
1028E 1033N	1	34	14	135	.5	22	9	685	2.86	9	8	ND	8	46	.6	2	2	50	.48	.227	31	26	.38	167	.16	5	2.64	.05	.16	1	4
1028E 1030N	1	242	13	80	.8	23	6	1560	1.54	7	5	ND	1	99	1.5	2	2	29	1.44	.080	44	20	.27	83	.08	6	1.11	.08	.11	1	3
1028E 1027N	1	30	13	177	.1	21	9	918	2.31	2	5	ND	3	35	.2	2	2	38	.34	.161	14	25	.33	216	.16	4	2.10	.05	.13	1	3
1028E 1024N	1	40	12	121	.4	24	9	608	2.65	13	5	ND	6	35	.2	2	2	42	.33	.173	17	23	.30	176	.19	4	3.27	.05	.13	1	2
1028E 1021N	1	35	13	133	.1	21	10	395	2.50	6	5	ND	4	30	.2	2	2	44	.25	.092	11	28	.35	173	.15	3	1.50	.04	.12	1	5
1028E 1018N	1	23	12	124	.1	15	7	676	2.27	4	5	ND	5	38	.2	2	2	39	.30	.224	15	23	.25	214	.14	2	1.88	.04	.10	1	3
1028E 1015N	1	20	13	103	.1	15	6	476	2.37	4	5	ND	5	35	.2	2	2	41	.28	.200	18	22	.27	151	.15	3	2.14	.04	.11	1	1
1036E 1054N	1	26	13	118	.1	15	6	374	2.52	5	6	ND	7	38	.2	2	2	43	.35	.145	32	18	.31	121	.17	4	2.89	.05	.17	1	1
1036E 1051N	1	19	15	144	.2	15	6	412	2.40	7	5	ND	6	35	.2	2	2	40	.34	.167	17	19	.28	124	.15	4	2.45	.05	.17	1	1
1036E 1048N	1	23	15	112	.1	19	7	393	2.74	7	5	ND	8	46	.2	2	2	46	.35	.275	20	22	.35	158	.16	4	2.80	.04	.19	1	1
RE 1028E 1018N	1	24	12	122	.4	17	7	684	2.30	6	5	ND	5	39	.2	2	2	40	.30	.224	16	24	.26	215	.14	3	1.91	.04	.12	1	2
1036E 1045N	1	26	13	107	.1	21	9	284	3.06	5	5	ND	10	40	.2	2	2	54	.35	.124	15	26	.45	155	.19	3	3.28	.04	.20	1	2
1036E 1042N	1	21	11	146	.4	15	7	969	2.53	5	5	ND	6	26	.2	2	2	45	.24	.139	19	22	.33	254	.16	3	2.56	.04	.16	1	2
STANDARD C\AU-S	19	60	40	131	7.6	77	32	1084	3.95	42	21	7	41	52	19.0	17	21	59	.48	.090	37	58	.88	175	.09	34	1.87	.08	.16	11	48

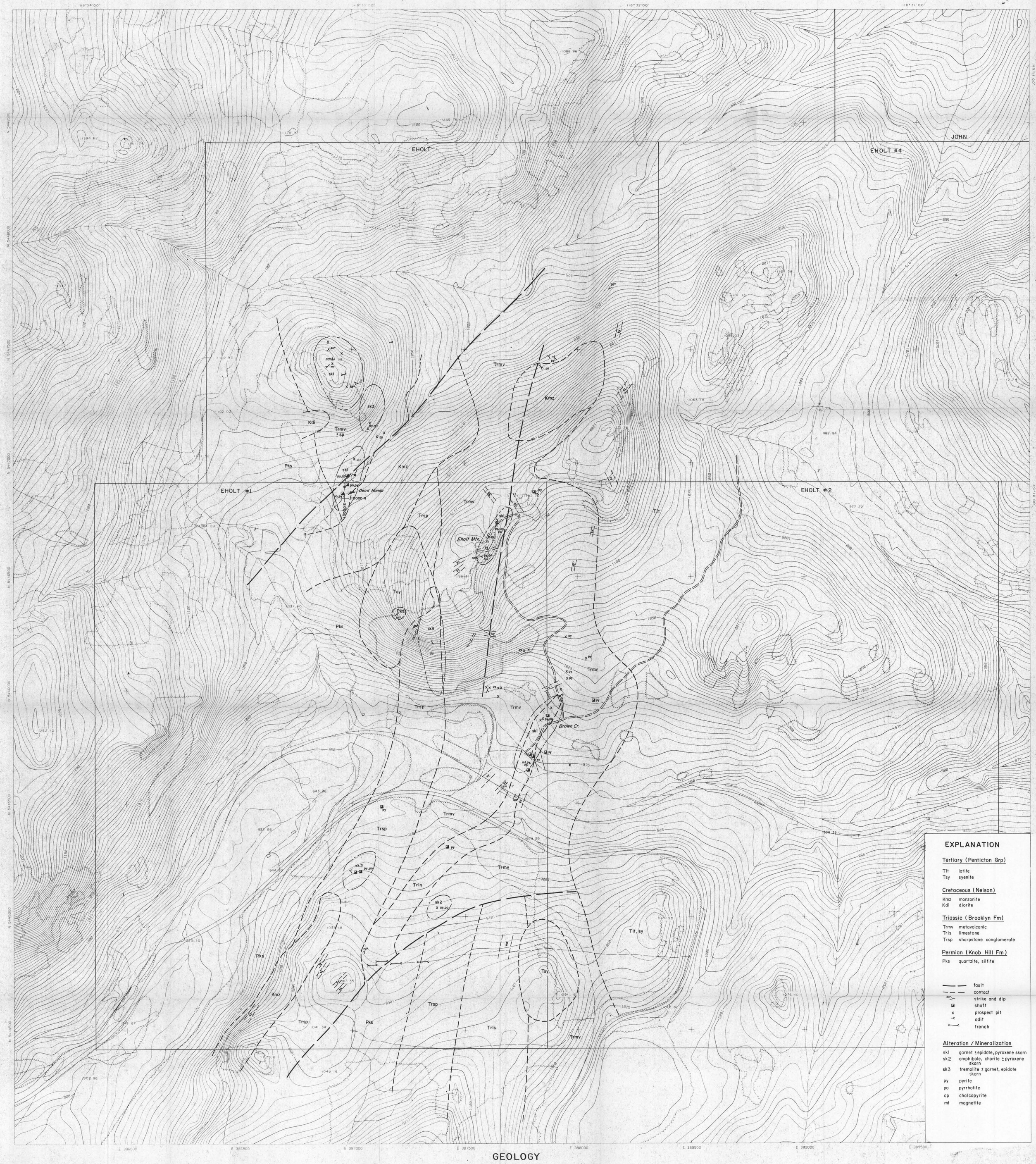
Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1036E 1039N	1	20	13	138	.2	18	7	522	2.45	4	5	ND	6	51	.3	2	3	41	.34	.249	17	24	.32	309	.14	4	2.14	.04	.15	1	1
1036E 1036N	1	42	10	96	.4	20	7	412	2.47	8	5	ND	4	50	.2	2	2	40	.49	.064	35	22	.29	109	.15	3	2.74	.05	.10	1	1
1036E 1033N	1	31	14	89	.5	23	7	249	2.37	12	18	ND	9	42	.2	2	2	35	.36	.039	23	22	.29	127	.17	3	2.94	.06	.11	1	1
1036E 1030N	1	44	11	131	.4	27	10	404	2.73	13	9	ND	6	30	.2	2	4	46	.33	.116	24	28	.39	164	.17	3	2.77	.05	.15	1	4
1036E 1027N	1	30	12	103	.3	18	7	407	2.37	12	10	ND	5	30	.3	3	2	37	.33	.139	18	20	.29	110	.18	3	3.33	.05	.10	1	1
1036E 1024N	1	29	11	104	.3	21	7	312	2.62	10	5	ND	7	30	.2	3	3	47	.27	.159	18	27	.36	153	.15	3	2.00	.04	.13	1	3
1036E 1021N	1	34	11	110	.3	22	8	402	2.56	18	5	ND	5	34	.2	3	2	45	.27	.279	15	26	.35	173	.16	3	2.39	.03	.11	1	8
1036E 1018N	1	37	9	119	.4	24	9	375	2.56	13	5	ND	6	32	.2	4	2	48	.28	.113	19	30	.42	145	.17	3	2.40	.05	.13	1	4
1044E 1075N	1	19	14	105	.1	12	5	271	2.33	5	5	ND	8	45	.2	2	2	35	.29	.155	25	17	.24	193	.13	4	1.84	.04	.15	1	1
1044E 1072N	1	24	13	76	.2	11	5	411	2.21	3	5	ND	7	34	.2	2	2	33	.29	.066	29	16	.24	132	.13	3	1.95	.04	.18	1	1
1044E 1069N	1	26	14	91	.1	13	6	483	2.29	2	5	ND	7	36	.2	2	2	34	.26	.132	27	17	.27	176	.14	3	2.16	.05	.18	1	2
1044E 1066N	1	20	11	86	.1	11	5	331	2.04	4	5	ND	6	46	.2	2	3	29	.33	.196	23	16	.21	208	.12	3	2.01	.05	.14	1	1
1044E 1063N	1	27	9	76	.1	19	7	215	2.66	3	5	ND	8	32	.2	2	2	46	.27	.110	19	26	.35	99	.14	3	1.87	.04	.16	1	2
1044E 1060N	1	14	12	45	.1	11	5	222	2.46	2	5	ND	10	25	.2	2	3	47	.26	.070	42	25	.28	53	.14	2	.88	.03	.20	1	1
1044E 1057N	1	20	10	82	.2	14	5	325	2.35	6	5	ND	7	27	.2	2	2	39	.24	.177	27	21	.28	141	.15	3	2.40	.04	.13	1	1
1044E 1054N	1	19	12	80	.2	12	5	598	2.23	5	6	ND	7	26	.2	3	2	38	.19	.150	21	18	.22	144	.14	3	2.21	.04	.10	1	1
1044E 1051N	1	28	23	280	.7	30	6	369	2.58	10	5	ND	9	35	1.3	3	2	43	.26	.192	35	23	.28	184	.15	4	2.30	.04	.12	1	2
1044E 1048N	1	29	11	190	.2	20	9	485	2.39	10	5	ND	5	29	.4	2	2	39	.26	.164	16	22	.36	131	.16	5	2.67	.05	.13	1	1
1044E 1045N	1	26	10	139	.1	17	7	507	2.22	13	5	ND	3	30	.3	2	2	36	.24	.230	17	23	.25	130	.14	2	2.40	.05	.08	1	1
1044E 1042N	1	60	12	150	.5	36	10	547	3.01	15	11	ND	7	35	.3	4	3	46	.30	.148	26	29	.42	288	.18	3	3.95	.05	.16	1	5
1044E 1039N	1	21	11	83	.3	16	6	246	2.24	10	5	ND	4	32	.2	2	2	40	.28	.113	13	23	.28	159	.14	3	1.74	.04	.13	1	4
1044E 1036N	1	29	9	90	.1	22	8	378	2.63	16	5	ND	5	30	.2	2	2	49	.32	.181	14	31	.36	151	.14	3	1.98	.04	.11	1	40
1044E 1033N	1	44	12	98	.2	26	9	337	2.71	14	8	ND	6	34	.2	2	2	48	.36	.109	20	30	.46	131	.18	3	2.57	.05	.16	1	5
1044E 1030N	1	47	14	119	.2	33	12	375	3.09	8	5	ND	6	40	.4	2	3	52	.35	.164	18	37	.62	129	.20	3	2.59	.05	.16	1	4
1044E 1027N	1	29	14	100	.1	19	7	530	2.50	7	6	ND	5	34	.2	2	2	43	.31	.154	29	23	.30	123	.15	3	2.38	.04	.13	1	2
RE 1044E 1036N	1	30	12	88	.1	22	8	376	2.54	13	5	ND	5	30	.2	2	2	48	.31	.179	14	30	.36	148	.14	3	1.94	.04	.10	1	37
1052E 1081N	1	43	7	146	.1	36	9	350	2.26	16	5	ND	3	31	.2	2	2	41	.24	.201	10	29	.47	274	.17	3	2.55	.05	.16	1	2
1052E 1078N	1	53	11	95	.3	36	10	302	2.57	24	5	ND	6	25	.2	4	3	50	.24	.116	11	31	.52	168	.18	3	2.72	.04	.18	1	7
1052E 1075N	1	45	10	86	.1	26	9	322	2.67	14	5	ND	6	35	.2	2	2	48	.31	.128	19	30	.42	169	.15	3	2.00	.04	.15	1	5
1052E 1072N	1	38	14	86	.1	18	9	368	2.64	6	9	ND	7	34	.2	2	2	43	.23	.154	26	22	.29	135	.15	3	2.32	.05	.13	1	2
1052E 1069N	1	20	10	63	.1	10	5	268	1.78	4	5	ND	4	28	.2	2	2	30	.24	.055	17	16	.20	94	.12	2	1.42	.04	.09	1	1
1052E 1066N	1	24	8	75	.1	16	6	293	2.02	6	5	ND	5	28	.2	2	2	36	.26	.042	20	22	.30	107	.13	3	1.74	.04	.13	1	2
1052E 1063N	1	27	9	65	.1	17	6	300	2.24	7	5	ND	5	24	.2	2	2	43	.20	.143	20	24	.30	121	.13	2	1.61	.04	.10	1	3
1052E 1060N	1	40	18	74	.2	21	5	482	1.55	10	5	ND	2	116	.6	2	2	32	2.00	.093	18	17	.29	95	.08	8	1.36	.05	.10	1	3
1052E 1057N	1	20	9	85	.1	13	5	667	1.71	8	5	ND	3	46	.2	2	2	28	.30	.349	10	16	.20	229	.12	3	2.00	.05	.08	1	2
1052E 1054N	1	25	10	100	.1	17	7	724	2.18	16	5	ND	4	42	.2	2	2	36	.34	.398	12	20	.24	269	.15	3	2.78	.04	.09	1	6
1052E 1051N	1	61	11	74	.1	36	10	303	2.88	15	5	ND	3	23	.2	2	2	62	.30	.046	14	40	.56	142	.16	2	1.94	.04	.11	1	6
STANDARD C\AU-S	20	61	40	132	7.2	77	32	1114	3.96	42	18	7	40	52	18.9	17	19	58	.48	.090	37	58	.88	177	.09	33	1.88	.08	.15	11	48

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

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
1052E 1048N	1	27	12	102	.1	17	7	419	2.17	10	5	ND	4	25	.2	2	2	37	.35	.150	23	21	.30	93	.15	2	2.37	.03	.08	1	10
1052E 1045N	1	28	16	117	.1	20	10	382	2.73	19	6	ND	7	30	.4	2	5	44	.29	.321	16	25	.39	133	.17	2	2.77	.03	.10	1	1
1052E 1042N	1	29	15	114	.1	23	9	664	2.57	12	5	ND	6	34	.3	2	2	46	.39	.078	37	27	.42	95	.18	2	2.62	.03	.11	1	1
1052E 1039N	1	17	14	101	.1	10	6	549	2.12	11	5	ND	5	29	.2	2	2	36	.25	.225	16	16	.23	139	.13	2	2.04	.03	.09	1	1
1052E 1036N	1	23	13	88	.1	12	8	379	2.20	11	5	ND	6	26	.3	2	3	37	.21	.184	18	21	.27	135	.13	2	1.96	.03	.09	1	1
1060E 1084N	1	25	10	200	.1	27	9	658	1.98	18	5	ND	3	27	.4	2	2	34	.21	.155	9	22	.35	330	.15	3	2.15	.03	.11	1	1
1060E 1081N	1	50	8	121	.1	37	13	380	2.76	22	5	ND	5	30	.2	2	4	51	.25	.171	10	36	.59	301	.17	2	2.32	.03	.18	1	2
1060E 1078N	1	37	11	112	.2	27	11	542	2.44	24	5	ND	5	39	.2	2	2	42	.30	.349	11	27	.45	253	.16	2	2.62	.02	.13	1	1
1060E 1075N	1	36	10	71	.1	19	11	275	2.85	13	5	ND	5	28	.2	2	4	60	.32	.067	16	36	.50	101	.15	2	1.12	.02	.18	1	4
RE 1052E 1036N	1	23	12	82	.1	13	7	360	2.03	9	5	ND	4	25	.3	2	3	34	.20	.166	17	19	.25	129	.12	2	1.80	.03	.08	1	1
1060E 1072N	1	34	15	102	.1	17	10	352	2.54	16	5	ND	6	35	.3	2	2	43	.27	.095	21	23	.35	131	.15	3	2.49	.03	.13	1	2
1060E 1069N	1	32	12	133	.1	20	11	472	2.35	19	5	ND	5	36	.2	2	2	35	.33	.048	11	19	.28	128	.15	3	2.65	.03	.08	1	18
1060E 1066N	1	33	8	95	.2	17	9	449	2.14	12	5	ND	4	27	.4	2	2	31	.22	.265	15	16	.25	138	.16	2	3.34	.04	.07	1	5
1060E 1063N	1	20	13	78	.1	13	8	527	1.99	9	5	ND	4	26	.2	2	2	29	.23	.187	12	14	.19	152	.15	2	2.57	.03	.08	1	1
1060E 1060N	1	35	13	162	.1	31	12	648	2.34	18	5	ND	4	31	.4	2	9	38	.24	.277	8	25	.40	254	.16	3	2.56	.03	.13	1	4
1060E 1057N	1	66	12	104	.3	35	12	313	2.94	27	5	ND	7	35	.2	2	4	53	.31	.100	21	30	.49	165	.18	2	3.27	.03	.13	1	2
1060E 1054N	1	43	16	80	.2	28	10	303	2.54	16	5	ND	6	32	.8	2	2	46	.30	.149	20	29	.44	145	.16	4	2.62	.03	.14	1	54
1060E 1051N	1	16	14	64	.1	12	5	297	1.70	6	5	ND	4	24	.2	2	3	25	.22	.106	9	13	.15	88	.13	3	2.10	.03	.07	1	1
STANDARD C\AU-S	20	60	43	131	7.2	71	32	1056	3.95	42	18	7	41	53	18.7	10	19	59	.48	.090	40	58	.88	178	.09	34	1.88	.07	.15	11	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.



GEOLOGY
ORVANA MINERALS CORPORATION
EHOLT PROJECT
British Columbia

Topographic Map
Scale 1:5000

100 0 100 200 300 400 500 m

Formline Interval 5 Metres

LEGEND

Paved Road
Road
Trail
Railway
Building
Pole
River
Stream
Lake
Trees
Contours
Index
Intermediate

R. Fredericks
March, 1993

References: Fyles, J.T., 1990, Geology of the Greenwood – Grand Forks Area, B.C., B.C. Geological Survey Branch Open File 1990-25

Control taken from existing NTS map sheet 82E/2
Date of photography: contours 1982
orthophoto 1988
Compiled by: THE ORTHOSHOP
WO# 3918

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,933

LEGEND

- Paved Road
- Road
- Trail
- Railway
- Building
- Pole
- River
- Stream
- Lake
- Trees
- Contours
  - Index
  - Intermediate

ORVANA MINERALS CORPORATION
EHOLT PROJECT

British Columbia

Topographic Map

Scale 1:5000

100 0 100 200 300 400 500 m

Formline Interval 5 Metres

Outcrop Geology

Explanation

Tertiary
- lt - lakite
- sy - syenite

Cretaceous ?
- mz - monzonite
- di - diorite

Triassic (Brooklyn Fm.)
- mv - metavolcanic
- ls - limestone
- cg - chert pebble conglomerate

Permian (Knob Hill Fm.)
- qt - quartzite
- sh - siltite
- ch - chert

- sk - skarn
- py - pyrite
- po - pyrrhotite
- cp - chalcopyrite
- mt - magnetite
- x - strike + dip
- → - adit
- ⊕ - prospect pit
- ⊗ - shaft
- ⋙ - trench

April, 1993
R. Frederick

Robert J. Frederick

Control taken from existing NTS map sheet 82E/2
Date of photography: contours 1982
orthophoto 1988
Compiled by: THE ORTHOSHOP
WO# 3918

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,933

orvana
RESOURCES CORP.
Coeur d'Alene, Idaho

DATE	April 1993		
REVISED BY	DATE		

EHOLT PROJECT

Rock Sample Location Map

Grand Forks, B.C.
Canada

DATA BY	SCALE	DRAWING NO.
ORVANA	1:5000	C9304004

Scale = 1:5000

0 500 m.

EXPLANATION

- × Prospect pit
- Shaft
- ○ Outcrop
- ⊙ Drill hole
- Trench
- Adit

N

10000N

10000E

Kettle Valley Railroad Grade

Brown Creek

EHOLT PROPERTY BOUNDARY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,933

orvana
RESOURCES CORP.
Coeur d'Alene, Idaho

DATE	April 1993	
REVISED BY	DATE	

EHOLT PROJECT

Rock Sample Geochemistry

Au ppb., Cu ppm., As ppm.

Grand Forks, B.C.
Canada

DATA BY	SCALE	DRAWING NO.
ORVANA	1:5000	C9304004

Scale = 1:5000

0 500 m.

EXPLANATION

- Prospect pit
- Shaft
- Outcrop
- Drill hole
- Trench
- Adit

N

10000N

10000E

Kettle Valley Railroad Grade

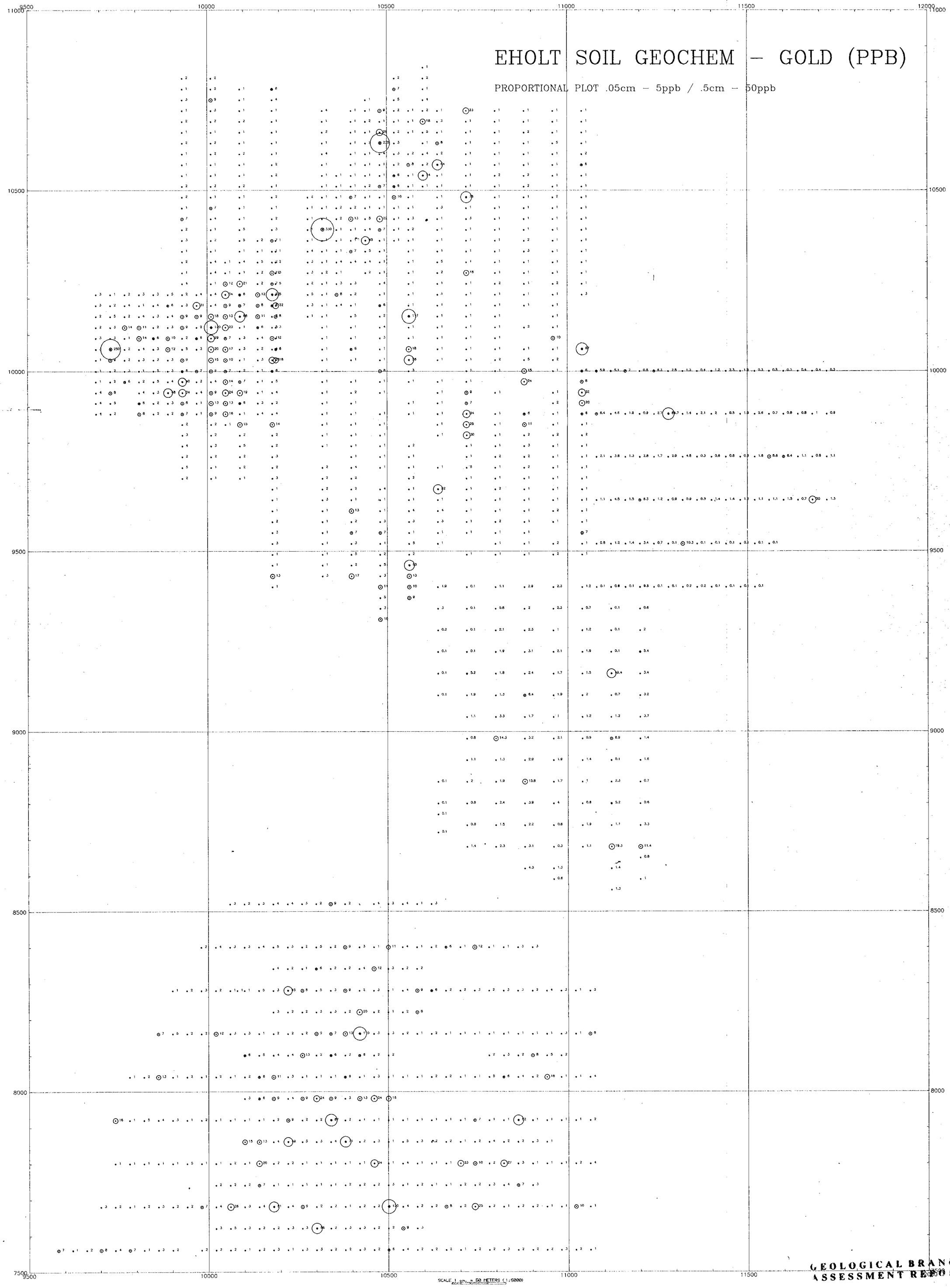
Brown Creek

33

EHOLT PROPERTY BOUNDARY

EHOLT SOIL GEOCHEM – GOLD (PPB)

PROPORTIONAL PLOT .05cm – 5ppb / .5cm – 50ppb



SCALE 1 cm. = 50 METERS (1:5000)

EHOLT SOIL GEOCHEM — COPPER (PPM)

PROPORTIONAL PLOT .05cm = 10ppm / .5cm = 70ppm

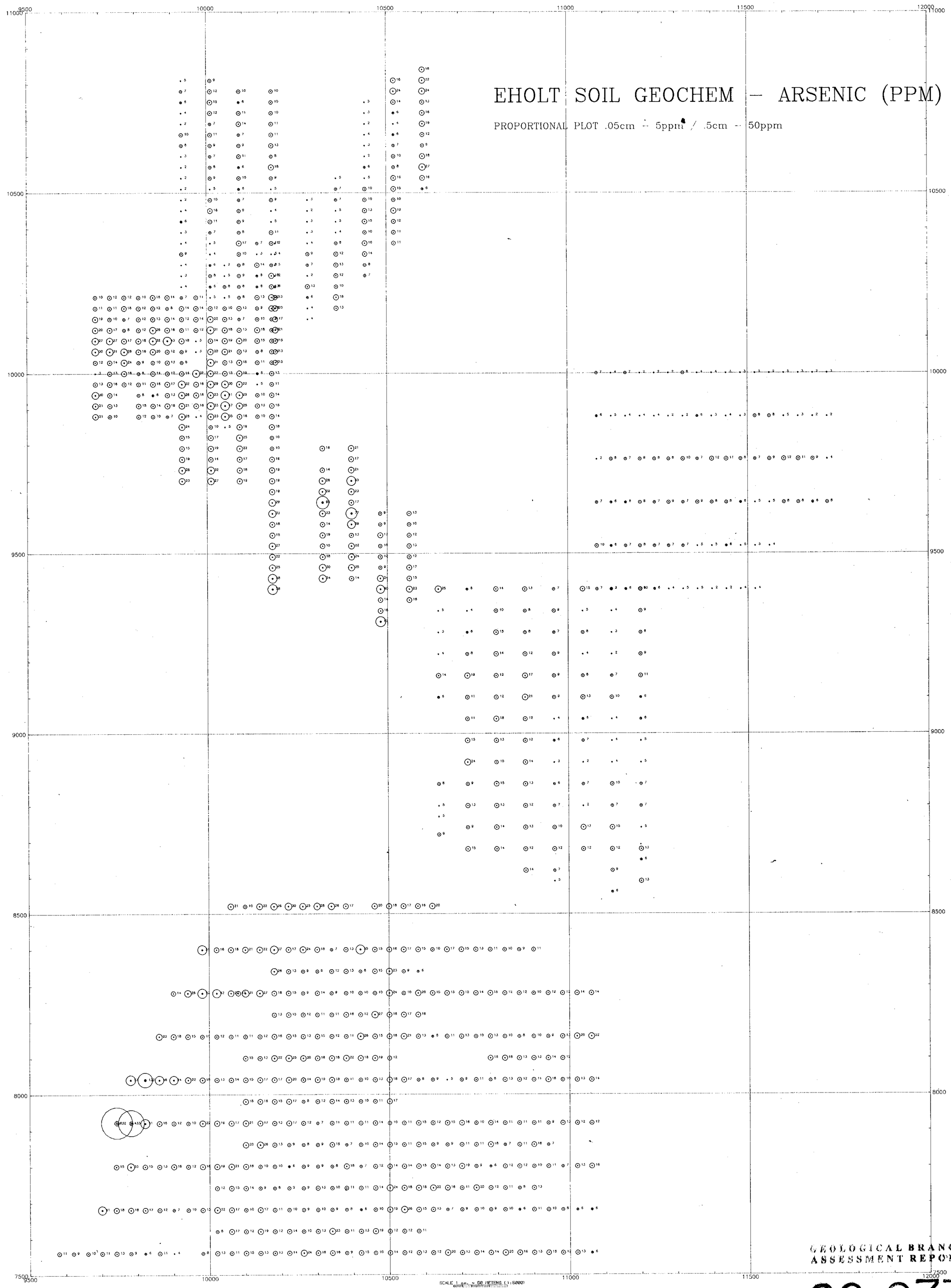
9500 10000 10500 11000 11500 12000

11000 10500 10000 9500 9000 8500 8000 7500

SCALE 1 cm. = 50 METERS (1:5000)

EHOLT SOIL GEOCHEM — ARSENIC (PPM)

PROPORTIONAL PLOT .05cm = 5ppm / .5cm = 50ppm



SCALE 1 cm. = 60 METERS (1:6000)

EHOLT MAG SURVEY

ORVANA RESOURCES

SCALE 1 cm. = 50 METERS (1:5000)

EHOLT MAG SURVEY 1992

ORVANA RESOURCES

9500 10000 10500 11000 11500 12000

11000 10500 10000 9500 9000 8500 8000 7500

SCALE 1 cm. = 50 METERS (1:5000)

EHOLT VLF SURVEY 1992

ORVANA RESOURCES

SCALE 1 cm. = 50 METERS (1:5000)

9500E 10000E 10500E 11000E 11500E

10500N 10000N 9500N 9000N 8500N

L 10500N
L 10250N
L 10000N
L 9760N
L 9520N
L 9200N
L 8950N
L 8700N

SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintrex IPC7
pulse time	2 seconds
Mx receive window	690-1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	25/25/75/75 m
n separations	1/ 2/ 1/ 2

current electrode is located east of receiving electrodes

contoured value a=75 n=1

contours at:
2.5, 5, 7.5, 10, 12.5, 15
17.5, 20, 25, 30, 35, 40 mV/V

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,933

+ Mx (msec)

N

0 100 200 300 400
METERS

ORVANA MINERALS CORP.

EHOLT PROJECT
GRAND FORKS AREA, B.C.
CHARGEABILITY CONTOUR PLAN
a=75 meters/n=1

DRAWN BY: jph | DATE: Sept/92
SCOTT GEOPHYSICS LTD.

9500E 10000E 10500E 11000E 11500E

10500N 10000N 9500N 9000N 8500N

L 10500N L 10250N L 10000N L 9760N L 9520N L 9200N L 8950N L 8700N

SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintres IPC7
pulse time	2 seconds
Mx receive window	690-1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	25/25/75/75 m
n separations	1/ 2/ 1/ 2

current electrode is located east of receiving electrodes

contoured value a=75 n=1

log contour intervals (ohm-meters)
100, 150, 200, 300, 500, 750
1000, 1500, 2000, 3000, 5000, 7500

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,933

+ RHO (ohm-m)

0 100 200 300 400
METERS

ORVANA MINERALS CORP.

EHOLT PROJECT
GRAND FORKS AREA, B.C.
RESISTIVITY CONTOUR PLAN
a=75 meters/n=1

DRAWN BY: jph | DATE: Sept/92
SCOTT GEOPHYSICS LTD.

ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 8700N

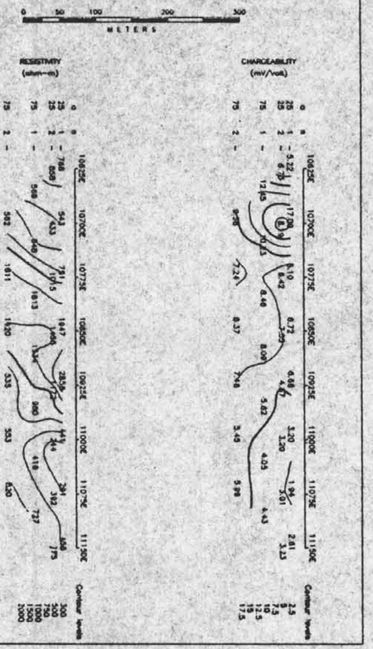
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-26-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



LINE: 8700N

ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 8950N

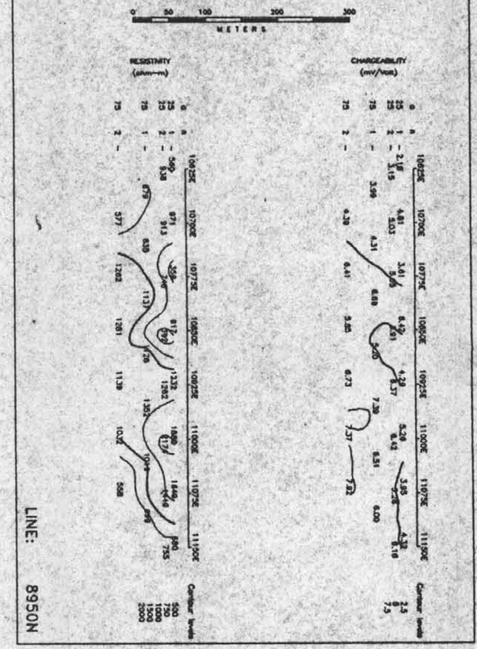
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-26-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



LINE: 8950N

ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 9200N

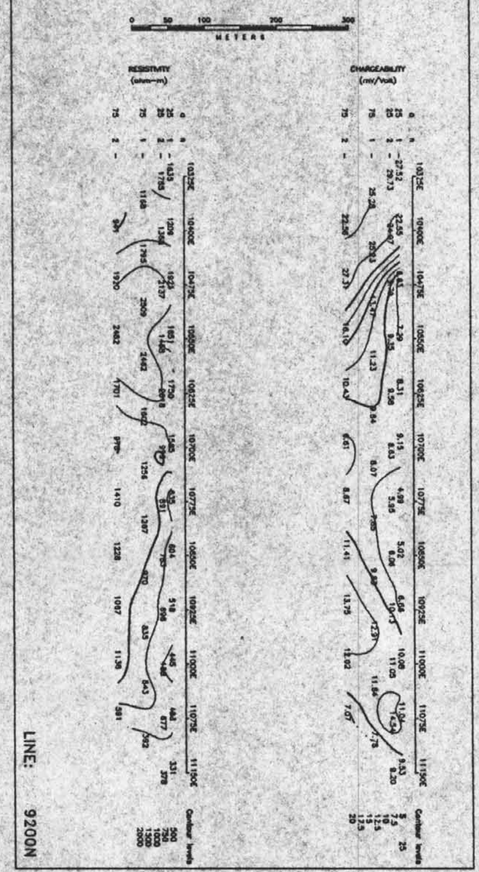
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-26-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



LINE: 9200N

ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 9520N

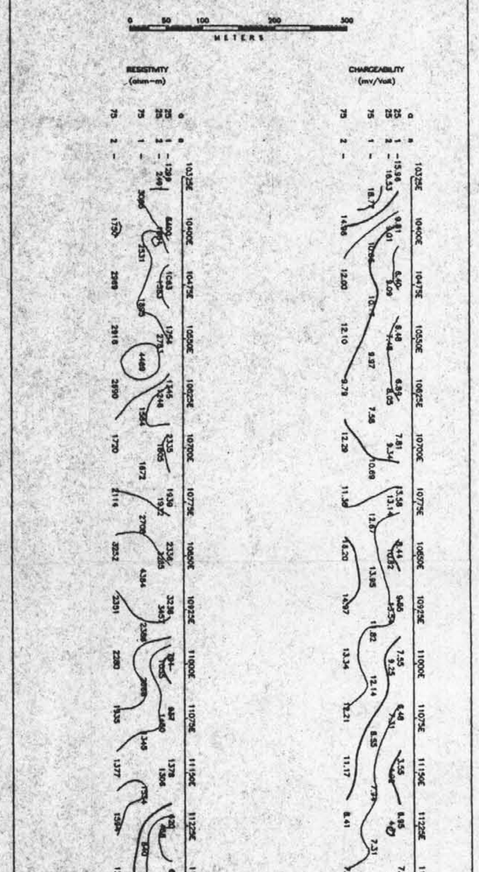
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-25-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



LINE: 9520N

ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 9760N

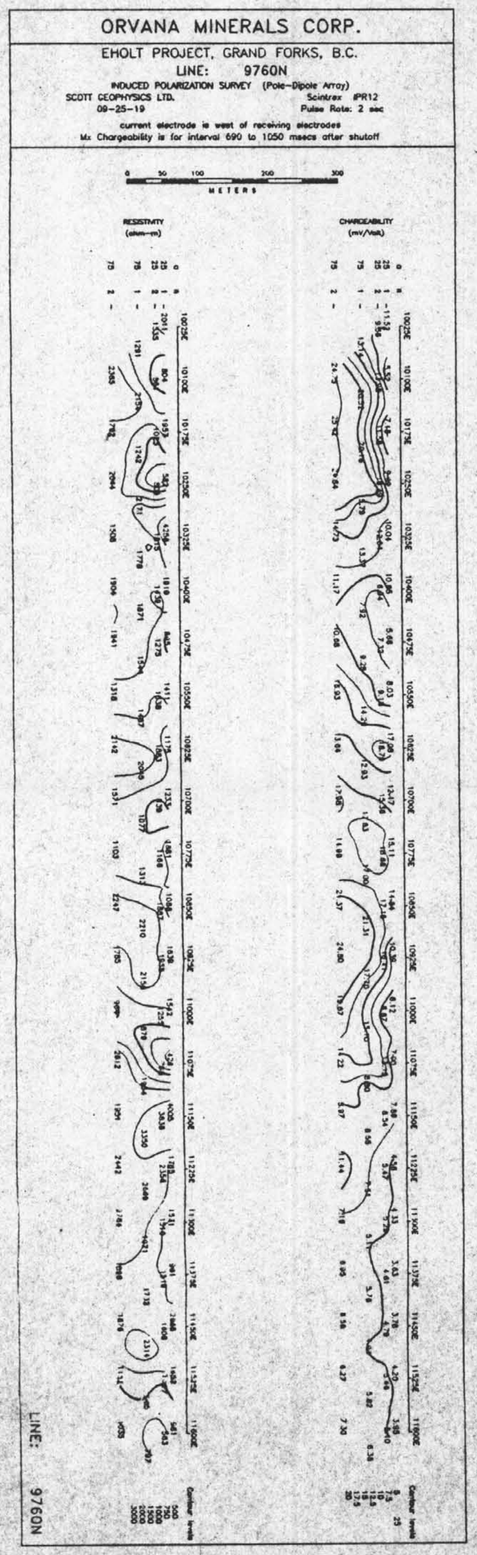
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-25-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 10000N

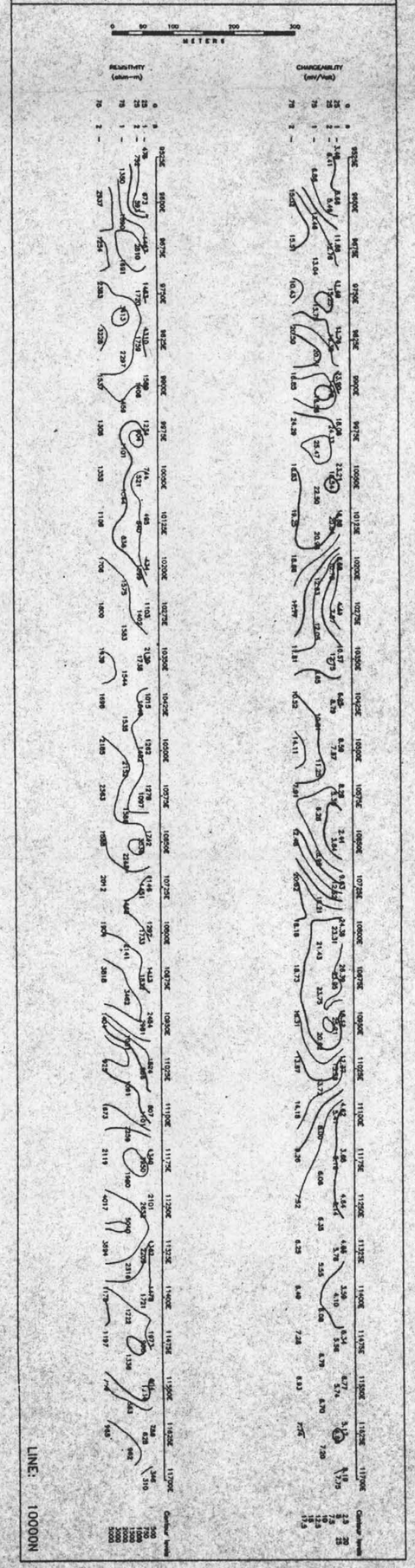
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-24-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 10250N

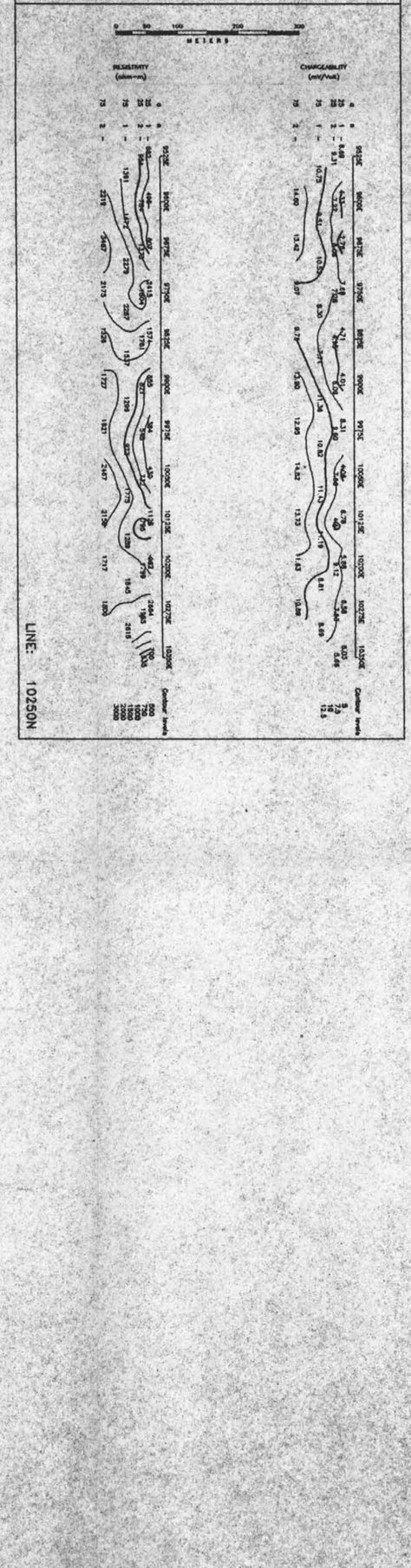
INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12.

09-24-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff



ORVANA MINERALS CORP.

EHOLT PROJECT, GRAND FORKS, B.C.

LINE: 10500N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

09-24-19 Pulse Rate: 2 sec

current electrode is west of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff