GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

REPORT ON

THE JERSEY-EMERALD AND POSIE PROPERTIES

NELSON MINING DIVISION, B.C.

NTS 82F/03E

ON BEHALF OF

SULTAN MINERALS INC.

BY

LINDA DANDY, B.Sc., F.G.A.C., P.Geo.

MARCH 1996

LOCATION: 49°06' NORTH LATITUDE; 117°13' WEST LONGITUDE

OPERATOR: SULTAN MINERALS INC.

OWNERS: LLOYD ADDIE, ROBERT BOURDON, SULTAN MINERALS INC.

CONSULTANTS: P & L GEOLOGICAL SERVICES, ARCHEAN ENGINEERING LTD., P.E. WALCOTT AND ASSOCIATES

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

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ON THE JERSEY-EMERALD AND POSIE PROPERTIES NELSON MINING DIVISION, B.C.

SUMMARY

The Jersey-Emerald and Posie Properties are road accessible multi-element prospects located approximately 10 kilometres south of the town of Salmo in southeastern British Columbia. During 1995, an exploration program consisting of soil sampling, magnetometer survey, geological mapping, prospecting and rock sampling was carried out on the property for the purpose of confirming and better delineating mineralized areas identified by previous work.

Four grids were established on the property, the Leroy, Dodger, Jersey and Posie grids, with lines spaced at 200 metre intervals. All four grids were soil sampled at 50 metre stations, and the Leroy and Dodger grids magnetometer surveyed at 25 metre stations.

Soil and rock sample results, combined with prospecting, have outlined a number of mineralized zones on the property. Many of these mineralized zones relate to old workings, however several new areas of interest have been identified. The Dodger "D" Zone, #1 Zone, Emerald Gold Zone, Leroy Gold Zone, ABC Zone, East Zone and Posie Zone are recommended for follow up work in 1996. The Bismuth Gold Zone is also recommended for a small underground diamond drill project.

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GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE JERSEY-EMERALD AND POSIE PROPERTIES NELSON MINING DIVISION, B.C.

1.0 INTRODUCTION

The Jersey-Emerald and Posie Properties are polymetallic prospects located in the West Kootenays of southeastern British Columbia. They encompass the former Jersey, Emerald and Dodger lead, zinc and tungsten mines operated by Placer Dome from 1947 to 1972.

In 1993, Sultan Minerals Inc. acquired the property and undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. This work lead to the identification of several targets with potential for economic gold mineralization. Between October 1994 and February 1995, the property was tested with 1324 metres of diamond drilling in 11 holes.

From August to November 1995, four grids were line surveyed on the property, the Dodger, Leroy, Jersey and Posie Grids. All grids were soil sampled with the Dodger and Leroy Grids also covered by magnetic surveys. Prospecting and rock sampling was done over the Dodger "D", Leroy, #1, Emerald, ABC and other mineralized zones.

1.1 LOCATION AND ACCESS

The property is located in southeastern British Columbia at 49°06' N, 117°13' W (NTS 82F/03E, Nelson Mining Division), ten kilometres southeast of the community of Salmo (see Map 1). The Jersey-Emerald Property covers an area of approximately 30 square kilometres, between the Salmo River on the west and the peak of Nevada Mountain on the east, and is bounded on the north by Sheep Creek and on the south by Lost Creek. Immediately south of Lost Creek is the Posie Property (see Map 2).

Access to the Jersey-Emerald Property is via Highway 6 between the town of Salmo and the Highway 3 junction to Creston. A network of good quality, gravel mine roads provide excellent access to the centre of the property from Highway 6 which is situated along the west edge of the property. To access the Posie Property, travel east along Highway 3 from its Junction with Highway 6 for approximately 4 kilometres. Turn left along Lost Creek Road and travel 7 kilometres to access the north portion of the Posie property or stay on Highway 3 for an additional 0.5 kilometres then turn left on a small, seldom used, dirt road which crosses the centre of the Posie property. This latter road is in poor condition and is slumped allowing only foot or 4 wheel all-terrain vehicle access to the claims.

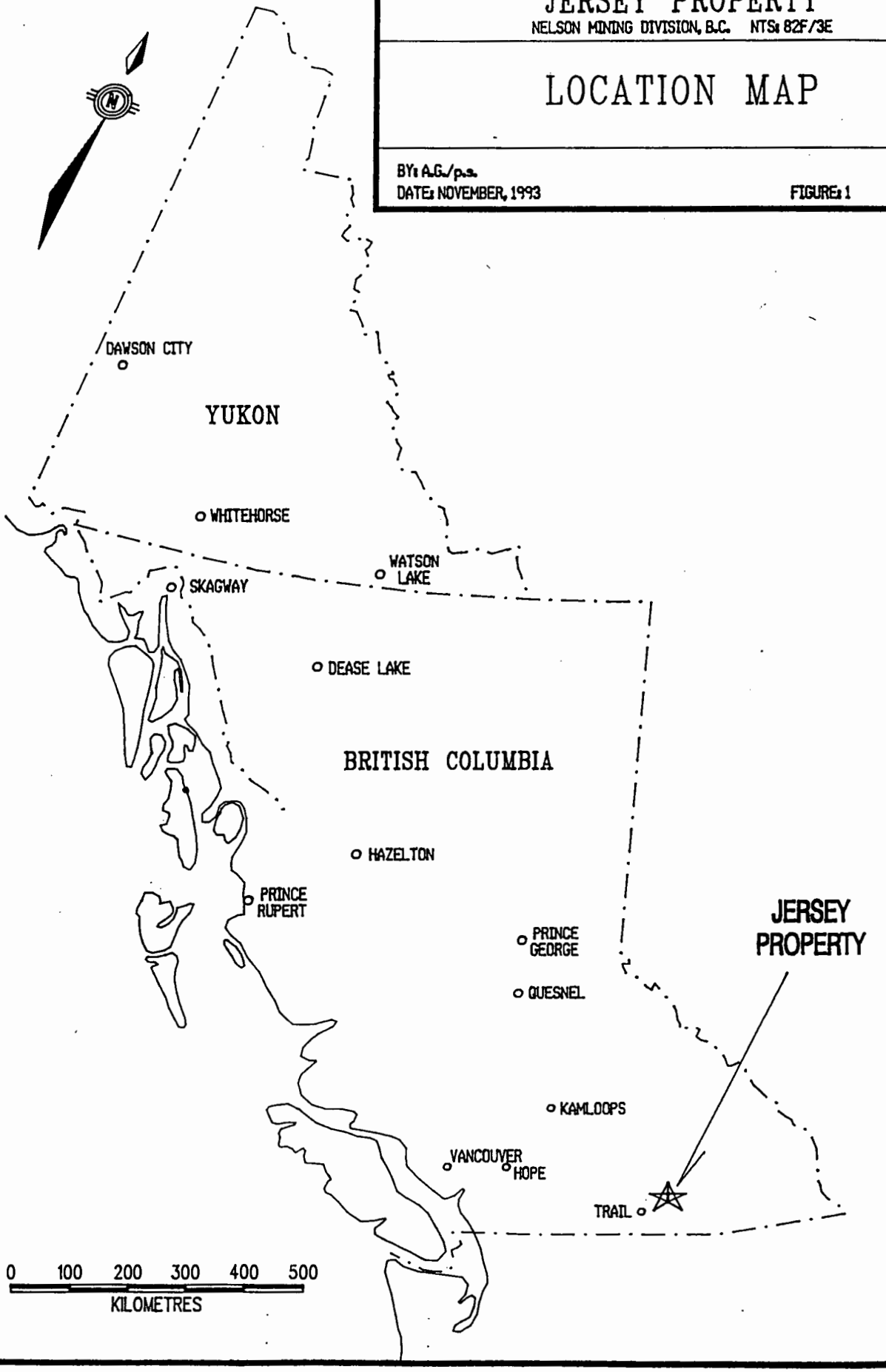
SULTAN MINERALS INC.

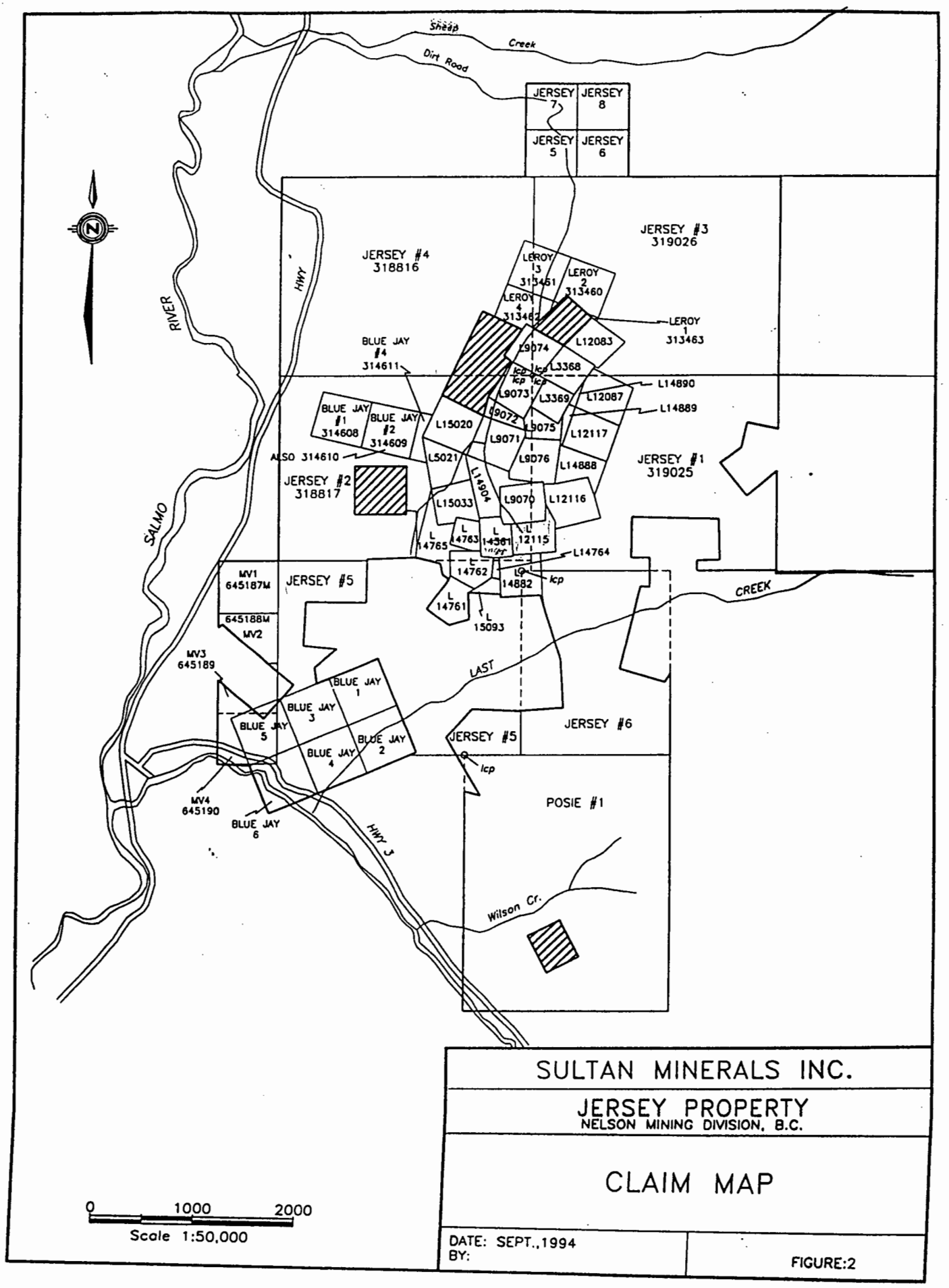
JERSEY PROPERTY

NELSON MINING DIVISION, B.C. NTS: 82F/3E

LOCATION MAP

BY: A.G./p.s.
DATE: NOVEMBER, 1993 FIGURE: 1





SULTAN MINERALS INC.

JERSEY PROPERTY

NELSON MINING DIVISION, B.C.

CLAIM MAP

DATE: SEPT.,1994
BY:

FIGURE:2

1.2 TOPOGRAPHY, CLIMATE AND PHYSIOGRAPHY

The property is situated in the rugged mountainous physiographic division known as the Selkirk Mountains. In the vicinity of the claims relief is on the order of 1200 metres (4000 feet) between Salmo Creek in the valley bottom at 600 metres (2000 feet) and the crest of Nevada Mountain at 1860 metres (6100 feet). Slopes vary from rolling over the centre of the claims to moderately steep along the east and west margins.

Much of the area has been logged or burned previously and vegetation consists of small diameter stands of larch, balsam, fir, jackpine and mountain alder. In many areas second growth vegetation is extremely dense making movement through the forest difficult. Several areas of extensive outcrop occur over and immediately north of the Jersey mine site but much of the property is covered by a veneer of glacial till. Till cover varies in thickness from less than one metre on the slopes to more than 20 metres in valley bottoms.

Salmo enjoys a pleasant summer climate with August temperatures averaging 25°C and moderate precipitation. Winter temperatures average -10°C in January with moderate snowfall. Total annual precipitation is on the order of 750 millimetres of moisture with much of this falling during the rainy season from April to June. The property is not in a heavy snow belt but up to four feet or more can be expected at the mine site during the winter months. Snow free conditions at higher elevations can be expected from late April to early November.

1.3 PROPERTY STATUS

The property consists of a block of 28 crown granted, 22 two-post, and 9 four-post (168 units) mineral claims, comprising approximately 4000 hectares in the Nelson Mining Division (see Map 2). The claims, tenure numbers, number of units, and anniversary dates are listed in Table I.

TABLE I

CROWN GRANTED MINERAL CLAIMS

CLAIM NAME	LOT NUMBER	CLAIM NAME	LOT NUMBER
KING ALFRED	3368	COMET	14761
KING SOLOMON	3369	CONTRACT	14762
JERSEY	9070	CALCITE	14763
GOLD STANDARD	9071	STAN FR.	14764
STANDARD FR.	9072	SCOTT FR.	14765
EMARAL	9073	HILLSIDE	14881

TABLE I - continued

CROWN GRANTED MINERAL CLAIMS

CLAIM NAME	LOT NUMBER	CLAIM NAME	LOT NUMBER
EMERALD FR.	9074	BIG DICK	14882
MORNING	9075	VICTOR FR.	14888
SUNSHINE	9076	REX FR.	14889
DODGER	12083	BRUCE FR.	14890
PICKWICK	12087	COPPERFIELD	14904
ROYAL CANADIAN	12115	HAL NO. 1	15020
LAST CHANCE	12116	HAL NO. 2	15021
MARK TAPLEY	12117	SUNSHINE NO. 2	15033

LOCATED MINERAL CLAIMS

CLAIM NAME	TENURE	UNITS	ANNV.	CLAIM NAME	TENURE	UNITS	ANNV.
BLUE JAY 1	322324	1	OCT 24	LEROY 01	320993	1	SEP 20
BLUE JAY 2	322325	1	OCT 24	LEROY 02	320994	1	SEP 20
BLUE JAY 3	322326	1	OCT 24	LEROY 03	320995	1	SEP 20
BLUE JAY 4	322327	1	OCT 24	LEROY 04	320996	1	SEP 20
BLUE JAY 5	322328	1	NOV 07	LEROY 05	322859	1	NOV 20
BLUE JAY 6	322329	1	OCT 24	LEROY 06	322860	1	NOV 20
JERSEY 1	319025	20	JUN 23	LEROY 07	322861	1	NOV 20
JERSEY 2	318817	20	JUN 14	LEROY 08	322826	1	NOV 20
JERSEY 3	319026	20	JUN 23	LEROY 09	330364	1	AUG 28
JERSEY 4	318816	20	JUN 13	LEROY 10	330365	1	AUG 28
JERSEY 5	325269	20	APR 24	MV 1	325259	1	APR 23
JERSEY 6	325270	12	MAY 01	MV 2	325260	1	APR 23
JERSEY 7	342202	20	NOV 22	MV 3	325261	1	APR 23
JERSEY 8	342203	16	NOV 22	MV 4	325262	1	APR 24
LEROY N 1	330366	1	AUG 21	POSIE 01	329070	20	JUL 25
LEROY N 2	330367	1	AUG 21				

1.4 HISTORY AND PREVIOUS EXPLORATION

The earliest record of exploration in the area dates to 1895 when gossanous areas on the south side of Iron Mountain attracted the attention of prospectors. The area was initially explored for gold and the 1896 Minister of Mines Report states that assays as high as $70.00 per ton in gold (about 3.5 oz/t or 100 g/t) were obtained from the area.

Prospecting continued and in 1906 lead mineralization was discovered on the Emerald claims. Several small, high grade ore shipments were made and in 1910 Iron Mountain Ltd. was formed by Pacific Coast Steel of San Francisco to develop the property. A 25 ton mill was

erected in 1919 and operated until 1926 when low metal prices forced closure. In 1934 the mill was destroyed by a major forest fire.

In 1938, tungsten and molybdenite mineralization was discovered in skarn bands at the site of the long abandoned gold workings on the Emaral, Emerald Fraction and Gold Standard claims. In 1942, the Emerald Tungsten Mine was put into production for the war effort by Wartime Metals Corp., a Federal Government Agency. Operations were suspended in 1943 when the war demand for tungsten eased.

The property remained inactive until 1947 when Canadian Exploration Ltd. (now Placer Dome Ltd.) purchased the property of Iron Mountain Ltd. Placer Dome eventually purchased the government held tungsten reserves and tungsten mill in 1952. Tungsten production recommenced in 1947 and lead-zinc production in 1949. Lead-zinc concentrate was produced from two zones: the Jersey and the Emerald Lead-Zinc Deposits. Tungsten concentrate was produced from four zones: the Emerald, Feeney, Invincible and Dodger deposits. Production continued until September 1973 when the mine was closed due to low metal prices and depleted lead, zinc and tungsten reserves. Over the mine life 7,968,080 tons of lead-zinc ore grading 1.95% Pb and 3.83% Zn, and 1,597,802 tons of tungsten ore grading 0.76% WO_3 were mined and milled.

The Jersey property has remained inactive since closure of the mine in 1973. In 1990, the property was sold to Nu-Dawn Resources Inc. who in 1993 sold it to the present owners, Lloyd Addie and Bob Bourdon, both of Nelson, B.C.

In 1993, the present owners found that fine particles of free gold could be panned from the tungsten tailings. A prospecting and lithogeochemical sampling program was therefore initiated over the known tungsten zones. This work lead to the discovery of significant bedrock gold values in the vicinity of the Jersey and Emerald zones.

In October of 1993, the property was optioned by Sultan Minerals Inc. Sultan undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. This work led to the identification of several targets believed to have potential for important gold mineralization.

During the winter of 1994-95 an eleven hole (1324 metres) diamond drill program was undertaken by Sultan to follow up targets identified by the previous work. Drilling resulted in the discovery of several gold bearing stratiform horizons in the vicinity of both the Jersey Lead-Zinc Deposit and the Emerald Tungsten Deposit. The drilling also intersected a new lead-zinc zone situated 55 metres below the former Jersey Lead-Zinc Deposit.

2.0 GEOLOGY

2.1 REGIONAL GEOLOGY

The Jersey property lies near the south end of the Kootenay Arc, a narrow arcuate tectonic belt of Paleozoic miogeosynclinal and transitional rocks. To the east, these rocks are infolded with clastic and minor volcanic rocks of Late Proterozoic age, while to the west they are in complex structural contact with Upper Paleozoic and Mesozoic eugeosynclinal argillites and volcanics (see Map 3).

2.2 PROPERTY GEOLOGY

The property is underlain by rocks of the Cambrian Laib Formation. This is a sequence of transitional rocks comprised of mixed carbonates and pelites (Little, 1960). In the vicinity of the property the Laib Formation has been further subdivided into the Truman Member, comprised of interbedded thin grey and white, locally dolomitic limestone; the Emerald Member, a black argillite unit; and the Upper Laib Formation, comprised of green phyllite and micaceous quartzites (see Map 4).

The Laib Formation has been deformed by three phases of folding all at least of local significance. Within the mine area structure is dominated by a major north-northeast trending anticline known locally as the Jersey anticline.

Three small stock-like bodies of Cretaceous biotite granite, elongate parallel with the local foliation, intrude the Jersey anticline and locally cut the ore-zones near the Jersey mine. From south to north these are the Jersey, Emerald and Dodger stocks. Potassium-argon age dates obtained from biotite from the Dodger stock give a date of 100.0 +/- 3.0 million years. One kilometre west of the Jersey mine the Laib sediments are intruded by a small circular body of Tertiary, augite monzonite referred to as the Salmo River stock. Biotite from this stock gave a potassium-argon age of 50.6 +/- 1.5 million years.

2.3 ECONOMIC GEOLOGY

Mineralization on the Jersey property is associated with the east limb of a complex major anticlinal structure referred to locally as the Jersey anticline and regionally as the Salmo River anticline. The HB lead-zinc mine located four kilometres to the north and the Reeves MacDonald lead-zinc mine located ten kilometres to the south are also associated with this major structure.

Several zones of significant and often very different mineralization have been identified on the property. Historically mined areas

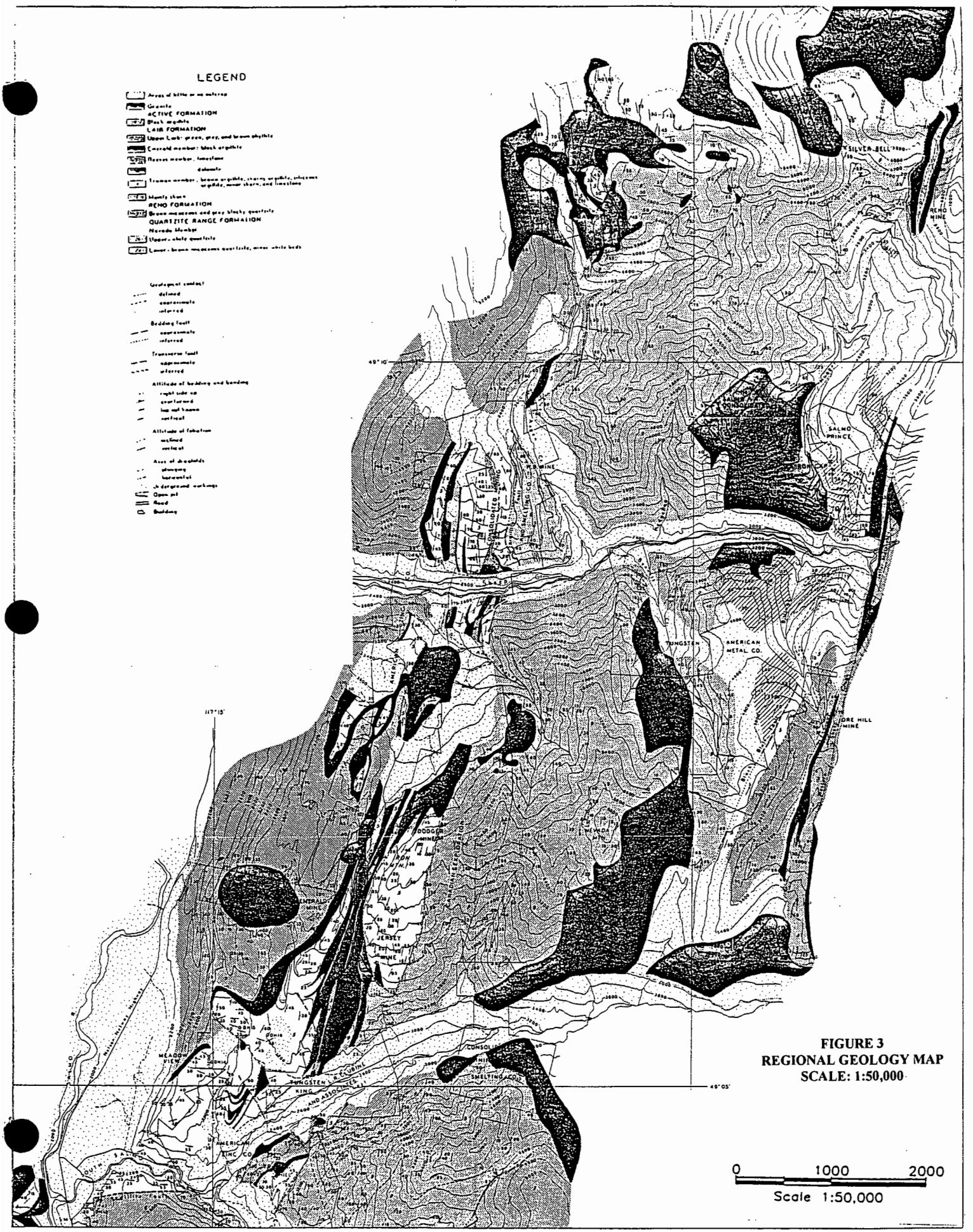
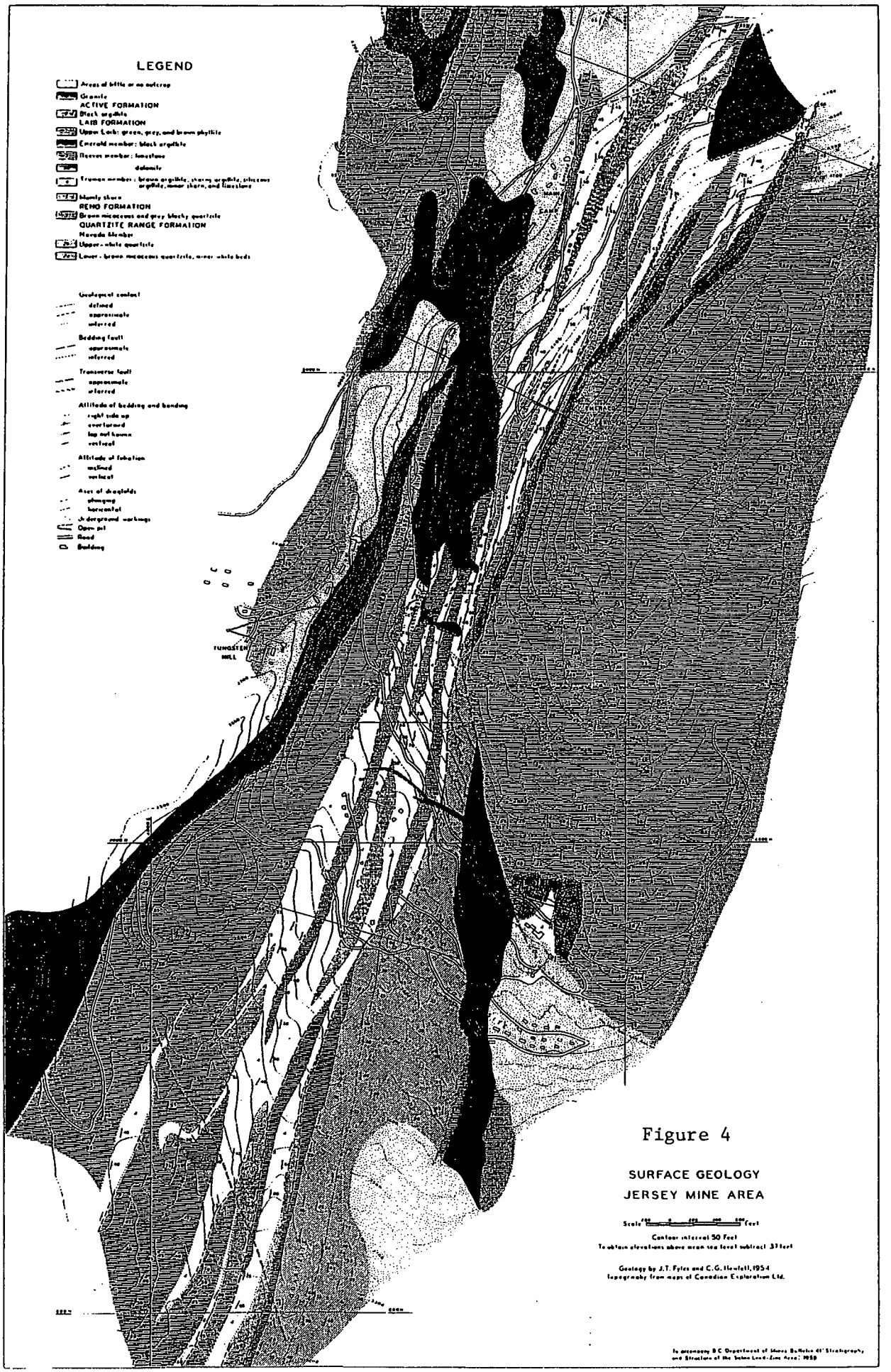


FIGURE 3
REGIONAL GEOLOGY MAP
SCALE: 1:50,000


LEGEND
Areas of little or no outcrop
Granite
ACTIVE FORMATION
Black argillite
LAIB FORMATION
Upper Lark: green, grey, and brown phyllite
Emerald member: black argillite
Reeves member: limestone
dolomite
Truman member: brown argillite, cherty argillite, siliceous argillite, minor chert, and limestone
Mainly chert
RENO FORMATION
Brown micaceous and grey blocky quartzite
QUARTZITE RANGE FORMATION
Navada Member
Upper - white quartzite
Lower - brown micaceous quartzite, minor white beds
Geological contact
defined
approximate
inferred
Bedding fault
approximate
inferred
Transverse fault
approximate
inferred
Attitude of bedding and banding
right side up
overturned
top not known
vertical
Attitude of foliation
inclined
vertical
Axes of anticlines
plunging
horizontal
Underground workings
Open pit
Road
Building
TUNGSTEN HILL
Figure 4
SURFACE GEOLOGY
JERSEY MINE AREA
Scale
Feet
Contour interval 50 Feet
To obtain elevations above mean sea level subtract 371 feet
Geology by J.T. Fyles and C.G. Hewlett, 1954
Topography from maps of Canadian Exploration Ltd.
To accompany B.C. Department of Mines Bulletin 41 "Stratigraphy and Structure of the Salmo Lead-Zinc Area" 1958

produced lead-zinc and tungsten, with known areas of high molybdenum, gold, bismuth, arsenic, copper, silver, cadmium and barium. Work done by Sultan Minerals in the 1995 field season outlined numerous new mineralized zones which, along with the historically known mineralized zones (12 zones in total), will be discussed in detail below. Rock and soil sample results from these various zones will be discussed in section 3.0 Geochemistry.

2.3.1 JERSEY LEAD-ZINC DEPOSIT

The Jersey lead-zinc replacement(?) deposit occurs in dolomite near the base of the Reeves limestone member. Five ore bands, ranging in thickness from 0.3 to 9.0 metres were mined. These bands in order of stratigraphic sequence are: 1) upper lead band; 2) upper zinc band; 3) middle zinc band; 4) lower zinc band; 5) lower lead band. The five ore bands are locally very close together and in the A Zone frequently have been mined as a unit up to 24 metres thick. Ore mineralization consists of fine-grained sphalerite and galena with pyrite, pyrrhotite and minor arsenopyrite. Cadmium is associated with the sphalerite and silver with galena. Iron content of the sphalerite is low, about 6%. The overall grade for the 7,968,080 tons milled averaged 3.83% zinc and 1.95% lead. Mining ceased in 1970 with unmined reserves of 106,000 tons grading 3.10% zinc and 0.80% lead.

2.3.2 BISMUTH GOLD ZONE

The Bismuth Gold Zone (known in the underground workings as part of the F zone) is located along the east side of the Jersey lead-zinc deposit at the contact between the Reeves limestone and the underlying Reeves dolomite. Gold mineralization was initially recognized here in 1963 when Placer Dome obtained 0.12 oz/t (3.4 g/t) gold from four samples assayed from an extensive native bismuth and arsenopyrite bearing zone. The zone was intersected while exploring the Jersey lead-zinc deposit and the underlying East Dodger tungsten zone. The zone was rediscovered in 1993 by the present property owners while inspecting Placer Dome drill logs. The gold mineralization, believed to be skarn-related, occurs in a silicified horizon with pyrite, pyrrhotite, arsenopyrite, stibnite and native bismuth. Underground samples assay up to 0.28 oz/t (8.0 g/t) gold across widths of 96.0 centimetres. Placer Dome drill logs suggest that this siliceous zone may be 20 metres or more in thickness. It was intersected in four surface drill holes along a strike length of 300 metres.

2.3.3 EMERALD LEAD-ZINC DEPOSIT

The Emerald lead-zinc replacement(?) deposit is located immediately to the north of the Jersey lead-zinc deposit, along the same host

structure. Mineralization in the Emerald lead-zinc mine consists of banded limestone and dolomite of the Reeves Member hosting stratabound lead and zinc bands.

2.3.4 DODGER TUNGSTEN DEPOSIT

Near the Jersey Lead-Zinc Mine, skarn-type tungsten mineralization occurs where the Cretaceous intrusions are in contact with either of the calcareous Truman or Reeves members. Tungsten was mined from two distinct zones on the property: The Dodger zone located along the east side of the Jersey lead-zinc deposit; and the Emerald zone comprised of the Emerald, Feeney and Invincible deposits located along the west side of the lead-zinc deposit.

The Dodger tungsten skarn deposit is comprised of three zones with finely disseminated scheelite grains in light brown to green garnet-diopside skarn. The conformable deposit occurs in a skarnified limestone unit near the top of the Truman Member. The mineralized zones are separated by a tongue of granite believed to be an appendage of the Dodger Stock.

In this deposit, scheelite is accompanied by pyrrhotite, biotite, quartz, molybdenite and minor powellite. The ore zones range from 2.0 to 9.0 metres in width and average 3.0 metres.

The Dodger tungsten zone was mined intermittently from 1951 to 1973 and averaged 0.56% WO_3 for 521,023 tons of production. Production ceased in 1973 leaving unmined reserves of 42,500 tons grading 0.45% WO_3. During the final year of operation extensive reserves of low grade ore (<0.40% WO_3) were found to the north and south of the East Dodger deposit. These reserves were not developed due to low tungsten prices.

2.3.5 DODGER "D" ZONE

The Dodger "D" Zone is represented by a series of pits and trenches located along the contact of the Dodger Stock and skarnified Truman Member argillites. This zone is located about 300 metres southwest of the Dodger Adit.

In the vicinity of the workings, the Dodger Stock is pegmatitic, consisting entirely of white quartz and feldspar phenocrysts up to 15 centimetres diameter. The workings are located within very rusty, skarn banded Truman Member sediments. Visible mineralization consists of massive to disseminated and banded pyrrhotite, pyrite, bismuth, molybdenite, and chalcopyrite, with assays also indicating the presence of gold, zinc, and tungsten.

2.3.6 EMERALD TUNGSTEN DEPOSIT

The Emerald tungsten deposit occurs along the contact between the Reeves limestone member and the Emerald argillite member, located along the west side of the Emerald stock. Within the deposit four distinct types of mineralization are recognized: skarn, sulphide, greisen, and quartz ores. The skarn-type of ore occurs mainly along or near the limestone argillite contact. It consists of garnet, diopside, calcite and quartz with lesser amounts of pyrrhotite, pyrite, scheelite and molybdenite. The sulphide-type of ore, consisting of pyrrhotite, calcite, biotite and scheelite, is often spatially associated with the skarn mineralization and consists of irregularly shaped "replacement" bodies in limestone and dolomite. Locally quartz, pyrite, molybdenite and chalcopyrite may be present. The greisen-type of ore occurs in altered granite and extends up to 12 metres into the granite from the limestone contact. The ore consists of potash feldspar - in some places completely kaolinized, abundant quartz, sericite, pyrite, tourmaline and scheelite. Locally, calcite, ankerite, apatite, pyrrhotite or molybdenite may be present. The quartz-type ore in many places grades into greisen. It consists of silicified limestone cut by numerous veins of quartz with ankerite, scheelite, minor molybdenite and apatite. The veins are enveloped by disseminated mineralization comprised of scheelite, pyrite, pyrrhotite and tremolite.

Scheelite is the main tungsten mineral but minor powellite and wolframite was also recovered. Most of the scheelite ore was recovered from lenticular skarn zones developed along the contact between the Emerald argillite and the Reeves limestone.

The Emerald tungsten zone was mined intermittently from 1943 to 1973. Grades ranged from 0.5 to 1.5% WO_3 and averaged 0.86% WO_3 for the entire 1,076,799 tons of production. Mining ceased in 1973 due to low tungsten prices leaving recoverable reserves of 34,800 tons grading 0.73% WO_3. Extensive reserves are believed to exist north of the Invincible and south of the Emerald deposits but due to low tungsten prices there is no incentive to explore and develop these potential reserves.

2.3.7 #1 ZONE

The #1 Zone is located in the area of the 1994 diamond drill holes DDH94-1 and 2. This zone is located along the contact of the Reeves limestone and the Emerald argillite members where they trend south from the Emerald Tungsten open pit mine.

A series of small to large pits and trenches trend for 300 metres along the limestone-argillite contact. In the workings, rusty banded sulphide mineralization occurs with iron oxides (limonite and goethite) and coarsely recrystallized limestone. Sulphide mineralization occurs as massive pyrrhotite bands, which return high

values for arsenic, copper and zinc, with minor gold, silver and molybdenum.

2.3.8 EMERALD GOLD ZONE

The Emerald gold zone was first recognized in 1895 and may be coincident with the Emerald tungsten zone. The zone was prospected for gold from 1895 to 1906 and assays up to 3.5 oz/t (100.0 g/t) were reported. After the lead-zinc potential of the property was recognized in 1906 and later with the discovery of the tungsten mineralization over this area the gold potential of this zone was not explored. The zone was rediscovered in 1993 when the current property owners found that free gold could be panned from the tungsten tailings. Gold mineralization has been found to be associated with the quartz and pyrrhotite rich sections of the skarn and sulphide-type tungsten zones.

The Emerald gold zone occurs along the contact with the Reeves limestone and Emerald argillite, and trends from the Emerald Tungsten deposit towards the #1 Zone. These three areas may actually represent mineral zonations grading away from the Emerald Stock.

2.3.9 LEROY GOLD ZONE

The Leroy gold zone is located approximately one kilometre north of the Emerald gold and tungsten zones. Gold mineralization was discovered here in the late 1890's and the zone was explored with a series of pits, adits and hand trenches along an 800 metre strike length. Gold exploration ceased with the discovery of lead-zinc in 1906.

Over the Leroy zone gold mineralization is associated with pyrrhotite, pyrite and native bismuth in a silicified horizon at the contact between the Reeves limestone member and the Emerald argillite member. Recent sampling of this zone gave gold grades up to 0.898 oz/t (25.5 g/t) from grab samples and up to 0.174 oz/t (4.8 g/t) across a true width of 3.0 metres for chip samples.

2.3.10 ABC ZONE

The ABC zone occurs just to the east of the Jersey and Dodger underground workings along the Iron Mountain Fault. This major fault structure represents the contact of the Ordovician Active Formation argillites with the Cambrian Reeves Member limestones.

Anomalous samples were collected from slices of pyritic garnet-diopside skarn bands entirely within Active Formation argillite, but adjacent to the Reeves limestones. Rusty, limonitic, decomposed

argillite(?) with minor quartz stockworking is found on the west side of the skarn banding. Sulphide mineralization is confined to pyrite within the skarn bands, with limonite occurring adjacent to this unit. Assays indicate the presence of high arsenic and minor gold, molybdenum and lead values.

2.3.11 EAST ZONE

During the 1995 field season, a large mineralized zone was discovered to the east of the previous workings entirely within the Ordovician Active Formation argillites.

An anomalous area trending north-south for two kilometres and up to one kilometre wide contains significant copper, zinc, silver, barium and molybdenum values in soils. The black, shaly argillites are cross-cut by quartz stringers in many areas, but mineralization is believed to be hosted within the argillite beds. Detailed geological mapping of this zone will be undertaken in 1996 in order to better define the mineralized occurrences.

2.3.12 POSIE ZONE

The Posie claim occurs to the south of the Jersey lead-zinc mine on the south side of Lost Creek. Preliminary work done on this claim in 1995 returned anomalous metal values from soil samples.

The Posie mineralized zone occurs within Ordovician Active Formation argillites with interfingered limestones of the Reeves Member in the north. The limestone tends to be skarnified in some areas, while other areas have the appearance of fresh limestone but are completely silicified. A zone of anomalous soil sample results trends from Lost Creek south-southwest for over one kilometre, roughly following the argillite-limestone contact. Along this zone, soil samples are highly anomalous in copper, silver, zinc, cadmium and barium, with scattered gold and molybdenum anomalies.

3.0 GEOCHEMISTRY

3.1 LITHOGEOCHEMISTRY

3.1.1 SAMPLING, SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

During the course of the 1995 field season, rock samples were collected for assay from mineralized outcrops encountered along soil sample lines and during prospecting. Samples were collected from most of the mineralized zones described in the previous economic geology section. In most instances the samples consisted of two or three representative specimens, in areas of pervasive mineralization systematic chip samples were taken. A total of 102 such rock samples were collected.

All samples were placed in numbered plastic bags and the sample site indicated by flagging bearing the corresponding sample number. The samples were shipped to Acme Labs Ltd. in Vancouver for analysis. In the laboratory, the rock samples were crushed to minus 200 mesh and fire assayed for gold. A 31-element analysis was also carried out using the ICP-AES analytical technique. Sample locations are given on Map 7.

3.1.2 PRESENTATION AND DISCUSSION OF RESULTS

Table II gives brief descriptions and locations (including zone and grid coordinates) of the collected rock samples, along with significant assay values. Gold results are in g/t, all other results are in ppm unless otherwise designated. Most of the samples are grab samples, however where widths are given the samples represent chips across the indicated width.

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
L1	Leroy L8S, 3+25W	1 m rusty qtz vein	
L2	Leroy L12S, 4+90W	qtz float	
L3	Leroy L12S, 4+60W	qtz vein in pit	
L4	Leroy 12+10S, 4+60W	qtz vein in pit	1.8 Au
L5	Leroy 13+50S, 7+00W	qtz with Bi	8.2 Au, 2265 Bi, 21.9 Ag, 355 Pb
L6	Leroy 14+10S, 7+10W	qtz with Bi	25.5 Au, 9256 Bi, 21.1 Ag

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
L7	Leroy 12+15S, 6+00W	qtz with Bi, py and tr cpy	2.1 Au, 551 Bi
L8	Leroy 12+50S, 6+00W	qtz with Bi, py and tr cpy	1.9 Au, 2583Bi, 12.8 Ag, 1060Pb
L9	Leroy 11+75S, 4+90W	rusty, felsic dyke	
L10	Leroy 13+80S, 6+25W	dark, pyritic rock from lg pit	
L11	Leroy 13+80S, 6+25W	white qtz from lg pit	
L12	Leroy 13+75S, 6+00W	qtz-sus from waste dump	
L13	Leroy 15+85S, 6+60W	.5 m white qtz	
D1	Dodger "D" 17+50S, 2+75E	qtzite with banded sph, py, po	335 Cd, 8.6 Ag, 5.1% Zn, 237 Pb
D2	Dodger "D" 17+50S, 2+75E	rusty goethite and limonite	113 Cd, 27.9 Ag 3.1% Zn, 1.5% Pb
D3	Dodger "D" 18+00S, 1+50E	massive py, po, Bi	948 Cu
D4	Dodger "D" 18+10S, 1+15E	massive py	88 Bi, 14.5 Ag, 1133 Pb, 396 Cu
D5	Dodger "D" 17+00S, 2+60E	massive py, po, Mo from pit	1139 Mo
D6	Dodger "D" 17+00S, 2+60E	massive py, po, cpy from pit	669 Cu
D7	Dodger "D" 17+00S, 2+60E	skarn with cpy	0.3 Au, 705 W, 184 Bi, 821 Cu, 123 Mo
D8	Dodger "D" 15+00S, 3+50E	qtz with po, py, cpy and sph at granite base	1108 W, 739 Cu
D9	Dodger "D" 17+40S, 5+00E	siliceous sed with py	
D10	Dodger "D" 17+50S, 4+50E	rusty with py, po, cpy, gal, qtz	20.7 Ag, 1.1% Zn 823 Pb, 4236 Cu
D11	East 15+00S, 13+35E	rusty qtz float	1124 Zn
D12	East L19S, 13+50E	pink, white, orange qtz	
D13	Dodger "D" L23S, 0+25E	rusty zone in lst with py, diopside	
D15	Dodger W 14+75S, 3+90E	granite with Mo from Dodger waste dump	448 W, 3383 Mo
D16	Dodger W 14+75S, 3+90E	same as D15	559 W, 562 Cu

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
D17	Dodger "D" 17+00S, 4+00E	argl with py, qtz and tr cpy	
D18	Dodger "D" L23S, 0+75E	massive py, tr cpy from pit on Iron Mtn	0.5 Au, 7.8% As, 452 Cu
D19	Dodger "D" 17+00S, 1+30E	green/pink skarn with Mo from pit	846 Mo
D20	Dodger "D" 16+80S, 1+10E	shear with limonite and qtz	129 Bi, 666 Mo
D21	Dodger "D" 17+50S, 2+00E	garnet-diopside skarn with Mo and py	642 Mo
D22	Dodger "D" 17+50S, 1+75E	orange qtzite with py	
#1-1	#1 83+50N, 32+00E	green skarn with bands of po	
#1-2	#1 85+90N, 30+75E	banded quartz vein	
#1-3	#1 86+10N, 30+85E	limonite/goethite	5092 As, 795 Zn, 345 Cu
#1-4	#1 86+30N, 30+95E	massive py, po, cpy and sph	398 Cu
#1-5	#1 86+45N, 30+80E	massive py, po	406 Cu
#1-6	#1 86+45N, 30+80E	qtz vein with py (from waste dump)	
#1-7	#1 84+60N, 30+70E	massive py, po and trace cpy	383 Cu
#1-8	#1 86+95N, 31+10E	massive po, minor py	698 Cu
#1-9	#1 86+95N, 31+10E	limonite/goethite	
#1-10#1	87+20N, 31+25E	massive py, po in qtz	494 Cu
LSB1	Emerald W 22+50S, 5+00W	10 m chip sample of skarn band	
LSB2	Emerald W 24+00S, 5+00W	grab sample, skarn with py and Mo	1713 W, 684 Mo
EJPit1	Jersey Pb-Zn 83+20N, 38+00E	dolomite with qtz, actinolite, Mo, po	0.5 Au, 249 Bi, 4587 Zn, 513 Mo
E1	Emerald Pb-Zn L97N, 39+00E	qtz-carb with Mo, yellow oxide	1% Sb, 924 Cd, 25.1 Ag, >10% Zn, 1.5% Pb, 243 Cu
E2	Emerald Pb-Zn L97N, 39+60E	massive py, po, sph from pits	19 Cd, 14.4 Ag, 4810 Zn, 8326 Pb

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
E3	Emerald Pb-Zn 97+25N, 39+80E	quartz vein in lst	
E4	Emerald Pb-Zn 96+00N, 37+00E	qtz in granite (Emerald Stock)	12 Cd, 1385 Zn, 3208 Pb
Rock A	ABC 82+90N, 43+75E	green banded skarn with minor qtz-argl	
Rock B	ABC 82+90N, 43+50E	green banded skarn with minor qtz	
Rock C1	ABC 82+90N, 43+25E	1 m chip graphite and limonite with qtz	1101 As
Rock C2	ABC 82+90N, 43+25E	grab, qtz brxx, dark argl and sus	1723 Ba, 457As, 335 Pb
Rock C3	ABC 82+90N, 43+25E	grab, limonite and goethite	2386 As
Rock D	ABC L83N, 42+55E	grab, brxx qtz-argl rusty	
Rock E	ABC 85+75N, 43+75E	grab, rusty argl with 5% py	294 Cu
1000	Leroy 15+70S, 6+25W	grab, qtz with skarn and py	136 Mo
1001	Emerald W 94+00N, 34+25E	Mo in green skarn from Emerald pit	1184 W, 4574 Mo
1002	Emerald W 94+00N, 34+75E	Mo in qtz-granite from Emerald pit	426 As, 4010 Mo
1003	East L99N, 54+00E	qtz in rusty argl	
1004	Leroy 12+50E, 6+00W	grab, resample L8	7.2 Au, 6015Bi, 15.9 Ag, 1600Pb
1005	Leroy 13+50E, 7+00W	grab, resample L5	1.4 Au, 638 Bi, 8.3 Ag
1006	Leroy 14+10E, 7+10W	grab, resample L6	23.8Au, 7456Bi, 5.4 Ag
1007	ABC 82+90N, 43+75E	rusty skarn with py	
1008	Dodger "D" 17+00S, 2+60E	cpy rich skarn from pit	4.8 Ag, 2566Cu, 232 Mo
1009	Dodger "D" 17+00S, 2+60E	Bi rich sus from pit	1.0 Au, 858 W, 1183 Bi, 3.8Ag, 1904 Cu, 139 Mo
1010	Dodger "D" 17+00S, 2+60E	Mo rich sus from pit	1294 Mo
1011	Leroy 15+70S, 5+60W	grab, qtz vein	
1012	Jersey Pb-Zn 87+50N, 35+25E	30 cm chip of Ca band and lamprophyre dyke	

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
1013	Emerald W 90+00N, 34+75E	2 m chip of Mo in rusty skarn	290 Mo
1014	East L95N, 55+75E	qtz float in argl	
1015	East L83N, 49+80E	dark, rusty qtzite from trench	599 W, 141 Cd, 7770 Zn, 564 Cu
1016	Emerald W 98+75N, 39+00E	60 cm chip, skarn with po	
1017	Emerald W 99+05N, 39+30E	grab, skarn-qtzite with po, py, tr cpy	
1018	Leroy 109+50N, 37+25E	grab, qtz with Bi from waste dump pit 2	2.7 Au, 732 Bi
1019	Leroy 108+90N, 36+85E	45 cm chip, qtz with py from pit 5	293 W
1020	Leroy 108+75N, 36+95E	grab, qtz, Bi, py from pit 6,7 waste	27.7 Au, 172 W, 3149 Bi, 276 Pb
1021	Leroy 108+40N, 37+00E	40 cm chip, qtz, py, Bi from pit 9	0.6 Au, 1159Bi, 76.0 Ag, 690 Pb
1022	Leroy 108+25N, 37+25E	1m chip, rusty qtz, py, Bi from pit 11	1.2 Au, 470 W, 263 Bi
1023	Leroy 108+15N, 37+10E	1m chip, rusty lst with py, po, pit 13	
1024	Leroy 108+05N, 37+00E	60cm chip, qtz with py from pit 17	8.3 Au, 1985 Bi
1025	Leroy 14+30S, 6+00W	3.5 m chip, white qtz vein	
1026	Leroy 15+80S, 6+50W	3 m chip, white qtz vein	
DJ-1	East L81N, 47+90E	qtz float in granite with Mo and W	5741 Mo
DJ-2	East L83N, 49+80E	dk qtzite with py, po, cpy in trench	805 W, 105 Cd, 7596 Zn, 953 Cu
DJ-3	East 85+25N, 52+00E	silic argl with py	171 Cu
DJ-4	East 85+25N, 50+75E	2 m qtz veins in argl	1132 Ba, 30 Mo
DJ-5	East 84+90N, 49+75E	felsic dyke	
DJ-6	East L95N, 51+50E	rusty argl	
DJ-7	East 95+10N, 53+00E	qtz stringers and lenses in argl	
DJ-8	East L95N, 55+25E	qtz stringers in argl	
DJ-9	East 95+15N, 55+50E	qtz stringers in argl	

TABLE II

SAMPLE NUMBER	ZONE & GRID LOCATION	DESCRIPTION	SIGNIFICANT RESULTS
DJ-10East	L93N, 60+00E	15 cm qtz vein in argl	
DJ-11East	91+25N, 60+60E	qtz vein with mala in argl	
DJ-12East	L91N, 58+40E	thin bedded lst in argl	5779 Ba
DJ-13East	L89N, 54+30E	argl with po	
DJ-14East	87+30N, 48+25E	rusty 5m felsic dyke	
DJ-15East	L85N, 46+00E	felsic dyke-argl contact	
DJ-16East	85+25N, 45+75E	argl-carb contact	492 W

Refer to Map 7 for rock sample locations, and see Certificates of Analysis in the Appendix for results.

Limited work was done on the **Jersey Lead-Zinc Deposit** by Sultan Minerals in 1995 as ore reserves are well defined and appear to be nearly depleted. One sample (number EJPit 1) of skarn and dolomite banded rock with visible molybdenite was collected for assay from the Jersey pit waste dump and returned results of 513 ppm Mo, 4587 ppm Zn, 30.6 ppm Cd, 249 ppm Bi, and 0.016 oz/t Au (0.5 g/t). Molybdenite occurs in rock samples throughout the property, often in conjunction with low but anomalous gold values.

The **Bismuth Gold Zone** is visible only in the underground workings and was not sampled during the course of the 1995 field season.

The **Emerald Lead-Zinc Deposit** waste dump was sampled for its gold and molybdenum potential. Samples E1 to E3 were collected from the waste dump and trenches near the upper adit. E1 and E2 confirmed the presence of lead (1.5% and 0.8% respectively) and zinc (>10% and 0.5% respectively), as well as high cadmium (924 and 19 ppm) and silver (25.1 and 14.4 ppm). Sample E1 was coated with a yellow oxide, likely from the weathering of antimony, and returned 1% Sb plus minor copper (243 ppm). Sample E3 was from a quartz band within limestone and did not return any significant mineral values. E4 was sampled 200 metres west of the Emerald Lead-Zinc Adits near the contact of the limestone with the Emerald Stock granite. This sample of quartz veins within the granite returned 1385 ppm Zn, 3208 ppm Pb and 12 ppm Cd, indicating low grade lead-zinc mineralization remaining within the intrusive.

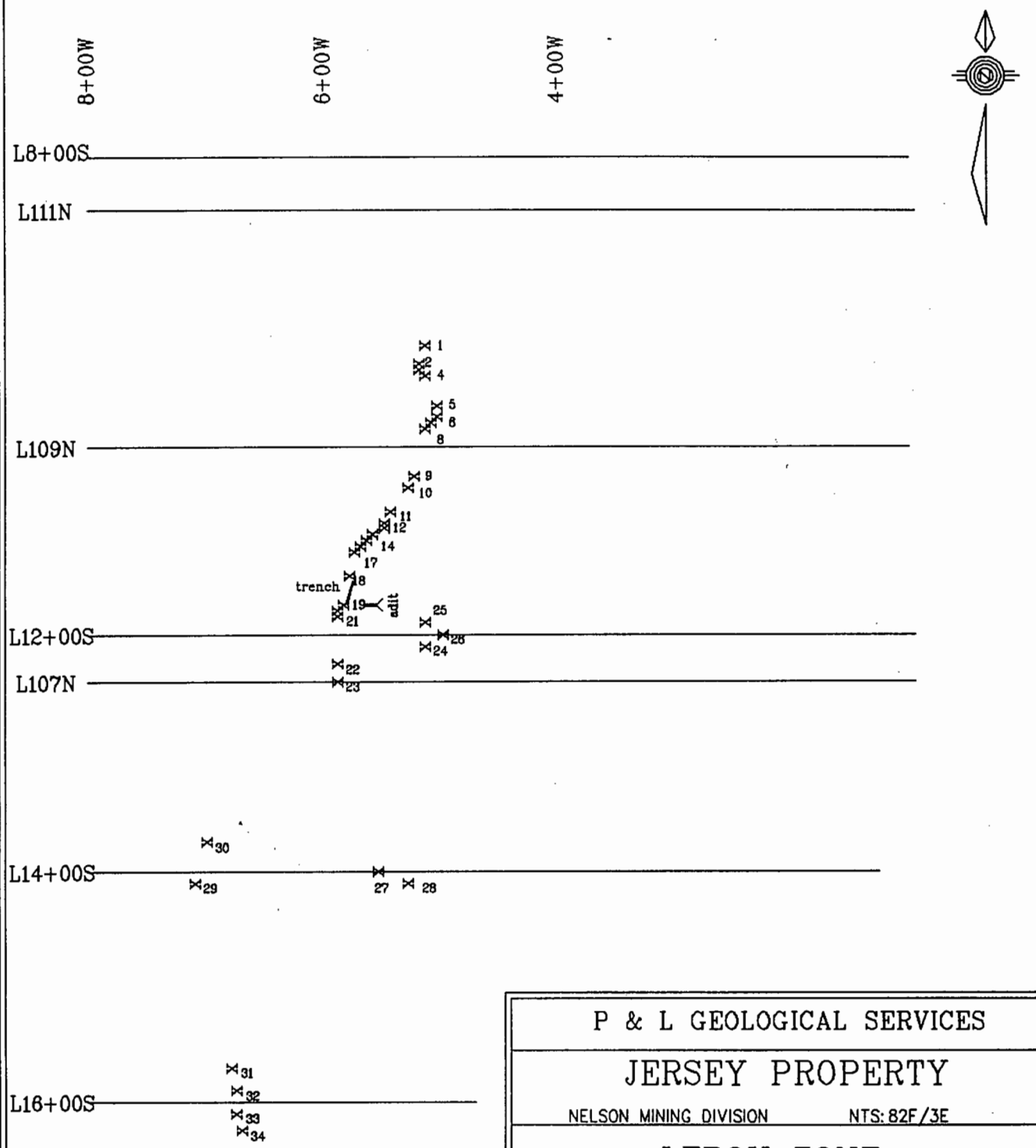
The **Dodger Tungsten Deposit** does not appear on surface, however samples D15 and D16 were collected from the Dodger adit waste dump

to evaluate this material for gold and molybdenum potential. Sample D15 was from granitic rocks with quartz stockworking containing visible molybdenite and returned 3383 ppm Mo and 448 ppm W. Sample D16 was from quartz veins containing sulphides (pyrrhotite and chalcopyrite) and returned 559 ppm W and 562 ppm Cu. The molybdenum potential of the Dodger and other deposits located on this property has not been evaluated (see Maps 6 and 7).

The **Dodger "D" Zone** is represented by a number of sulphide bearing pits located within skarnified argillite and limestone bands adjacent to the margins of the Dodger Stock. The initial discovery pit is located about 300 metres south of the Dodger Tungsten Adit. Several rusty pits occur within skarnified argillite 50 metres from the contact with the Dodger Stock pegmatite. Massive pyrrhotite, with bands and coarse disseminations of pyrite, galena, bismuth, sphalerite, molybdenite, chalcopyrite and arsenopyrite are found in these pits. The mineralized zones average one to four metres in width. Samples D1 to D12, D19 to D22 and 1008 to 1010 were collected from the pits and other outcrop exposures in this vicinity. The best values obtained from these samples are 1.0 g/t Au (sample 1009), 27.9 ppm Ag (sample D2), 4236 ppm Cu (sample D10), 1.5% Pb (sample D2), 5.1% Zn (sample D1), 335 ppm Cd (sample D1), 1183 ppm Bi (sample 1009), 1294 ppm Mo (sample 1010), and 1108 ppm W (sample D8). These samples are all grab samples as the pits are old and slumped with poor outcrop exposure. Trenching is necessary to open the pits to allow for systematic chip sampling of the mineralization (see Maps 6 and 7).

A second part of the Dodger "D" Zone occurs entirely within the limestone near the peak of Iron Mountain. Several pits following a north-south trend expose a one metre band of massive pyrrhotite. The pyrrhotite band is often accompanied by a lamprophyre dyke, and in places thickens slightly where felsic dykes crosscut. Samples collected in this area are D13 and D18. D18 returned very high results for arsenic (7.8%) as well as 0.5 g/t Au and 452 ppm Cu. More detailed work is needed in this area to fully explore its potential.

Two samples (1001 and 1002) were taken from molybdenite rich rocks found in the **Emerald Tungsten** open pit mine. The molybdenum grades from these samples are 4574 ppm and 4010 ppm Mo respectively. A number of samples were also collected from tungsten bearing skarn bands located north of the Emerald Tungsten Deposit toward the Feeney and Invincible Tungsten Deposits. Samples LSB1 and LSB2 (for Lower Skarn Band) and 1013, 1016 and 1017 were taken in this area. LSB1 represents a chip sample taken across a 10 metre outcrop and did not return any significant values, while LSB2 was taken from molybdenite bearing skarn rock in the same vicinity and returned values of 684 ppm Mo and 1713 ppm W. Sample 1013 returned 290 ppm Mo from a 2 metre chip sample taken to the north of LSB1 and LSB2. These skarn bands are known to contain significant, but low grade tungsten reserves and were briefly explored during the



X23 = PIT LOCATION AND NUMBER

SCALE 1:5,000

P & L GEOLOGICAL SERVICES

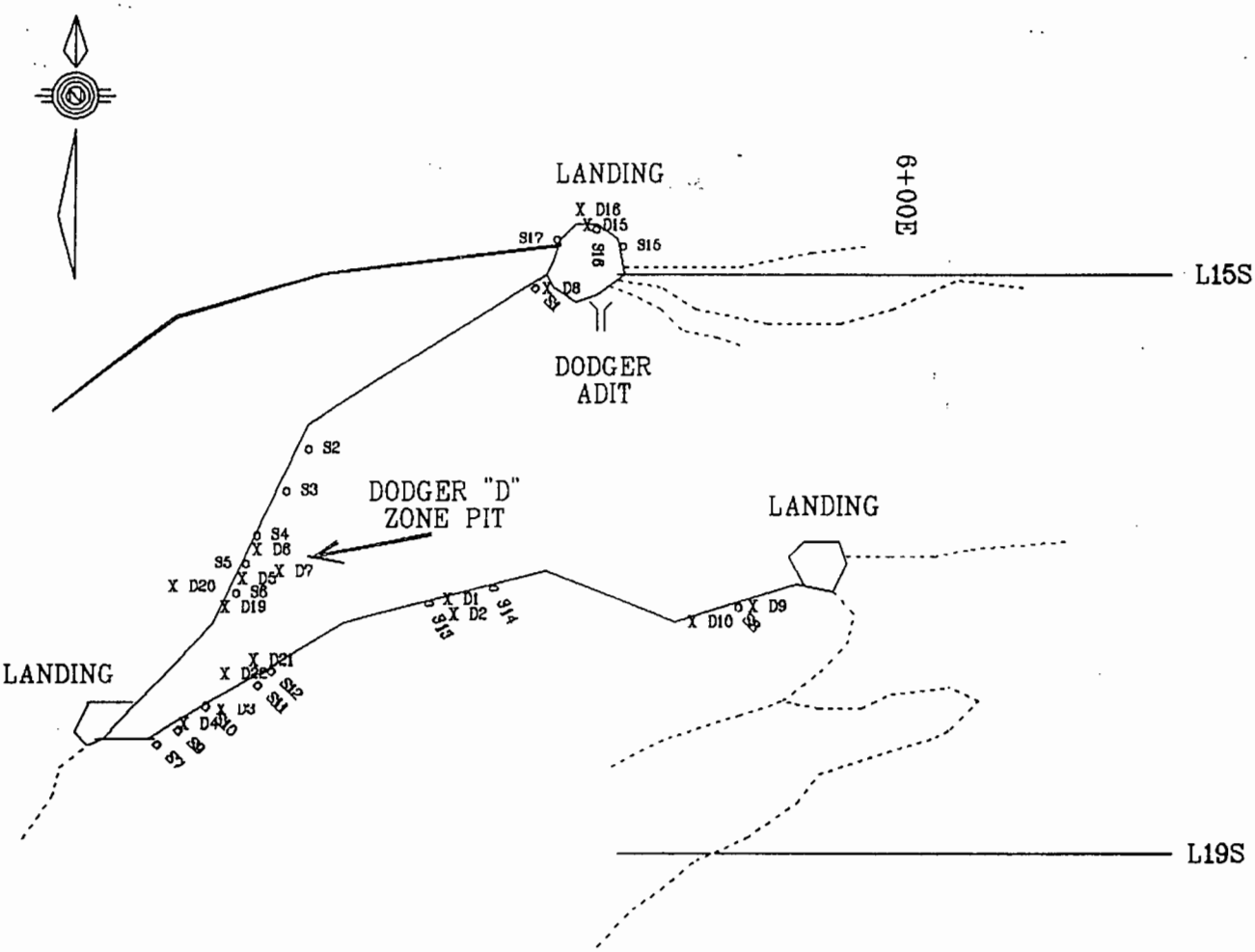
JERSEY PROPERTY

NELSON MINING DIVISION NTS: 82F/3E

LEROY ZONE PIT AND TRENCH MAP

BY: L.D.
DATE: MARCH 1996

FIGURE: 5



X D12 ROCK SAMPLE LOCATION

o S12 SOIL SAMPLE LOCATION

ADIT

4x4 ROAD

4200 ROAD

SKID ROAD

SCALE 1:5,000

P & L GEOLOGICAL SERVICES

JERSEY PROPERTY

NELSON MINING DIVISION NTS: 82F/3E

DODGER "D" ZONE DETAIL MAP

BY: L.D.
DATE: MARCH 1996

MAP: 6

mining of the Emerald Tungsten Deposit.

The **#1 Zone** lies south of the Emerald Tungsten open pit mine and follows the contact between argillite and limestone. The #1 name relates to DDH94-1 drilled into massive sulphides in this zone. A series of old pits and trenches follow the argillite limestone contact for over 300 metres and expose a 1 to 2 metre wide massive pyrrhotite band. Occasional quartz, goethite/limonite and coarsely recrystallized limestone bands are present in the pits generally adjacent to the pyrrhotite. Samples #1-2 to #1-10 were taken from pits and outcrops along this contact. Copper values from these samples are often anomalous (up to 698 ppm) with 5092 ppm As and 795 ppm Zn from sample #1-3. Drill hole 94-1 intersected massive pyrrhotite, sphalerite and arsenopyrite which gave anomalous gold values, however surface samples give disappointingly low gold values.

The **Emerald Gold Zone** occurs coincidentally with the Emerald Tungsten deposit and trends south along the same trend as the #1 Zone. This zone was sampled during the 1994 field season but was not followed up in 1995. More work is needed to fully understand the relationship between the Emerald Tungsten, Emerald Gold and #1 Zones.

Detailed sampling and mapping of the **Leroy Gold Zone** was undertaken in 1995 (see Map 5). A total of 30 pits and trenches were mapped and sampled where mineralized outcrops were encountered. These pits and trenches were generally within dark argillite adjacent to a limestone contact. A quartz band averaging one metre wide, but occasionally swelling to 3 metres in width, follows this contact in the Leroy area. Banded sulphide (massive pyrrhotite) mineralization often occurs for one metre or more on one or both sides of the quartz band. The quartz is generally white and barren looking, but returns high gold values where native bismuth is visible.

Samples L1 to L13, 1001, 1004 to 1006, 1011 and 1018 to 1026 were collected from the Leroy Zone. Sample L5 and 1005 were collected from a bismuth bearing quartz vein 75 metres uphill from the main Leroy workings and returned values up to 8.2 g/t Au, 21.9 ppm Ag, 2265 ppm Bi and 355 ppm Pb. Sample L6 and 1006 were collected from a second bismuth bearing quartz vein located 50 metres south of the above described vein. These samples returned values up to 25.5 g/t Au, 21.1 ppm Ag and 9256 ppm Bi. Other significant gold, silver, bismuth or lead values were obtained from samples L4, L7, L8, 1004, 1018, 1020 (27.7 g/t Au, 3149 ppm Bi), 1021 (76.0 ppm Ag, 690 ppm Pb), 1022 and 1024 (8.3 g/t Au, 1985 ppm Bi).

The **ABC Zone** occurs along the faulted contact (Iron Mountain Fault) between younger argillites and older limestones to the east of the Jersey Lead-Zinc and Dodger Tungsten Deposits. Samples labelled Rock A, Rock B, Rock C1-C3 and 1007 were collected from rusty decomposed rocks and thin skarn bands within the fault contact.

Rocks C1-C3 gave anomalous arsenic values (up to 2386 ppm) plus 1723 ppm Ba and 335 ppm Pb in C2. This fault zone has only been sampled where the road cut allows. Samples Rock D and E were taken in brecciated, quartz and pyrite rich argillites adjacent to the fault contact, with Rock E returning 294 ppm Cu.

The **East Zone** lies entirely within dark argillite bands east of the Iron Mountain Fault. The size and type of mineralization present in this zone is not yet fully understood, as the zone was discovered late in the 1995 field season. Detailed geochemistry and mapping is needed to better define the East Zone. The East Zone was identified by soil sampling, with follow up mapping and chip sampling commencing in November 1995. Several samples were collected through the snow cover, but these may not be the best representations of the mineralization present. Samples D11, D12, 1003, 1014, 1015 and DJ-1 to DJ-16 were collected from the East Zone. The East Zone gives anomalous values in zinc, copper, silver, cadmium and some barium and molybdenum. Sample D11 from the north end of the East Zone returned 1124 ppm Zn, while sample 1015 located two kilometres to the south along L83N returned 7770 ppm Zn, 564 ppm Cu and 141 ppm Cd. In the vicinity of sample 1015, samples DJ-1 returned 5741 ppm Mo from quartz veining, and sample DJ-2 returned 7596 ppm Zn, 953 ppm Cu, 105 ppm Cd and 805 ppm W. Near L85N sample DJ-4 returned 1132 ppm Ba and 30 ppm Mo from quartz veins in argillite and on L91N 5779 ppm Ba was obtained from limestone in argillite. More detailed information on the East Zone can be found in Section 3.2 Soil Sampling.

No rock samples were sent for analysis from the **Posie** claim.

3.2 SOIL SAMPLING

3.2.1 SAMPLING, SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Soil sampling was carried out over four grids on the property in the course of the 1995 field season. In August the Leroy and Dodger grids were established (Leroy grid covering L0, L4S, L8S, L12S, L14S and L16S, while the Dodger grid covers L15S, L19S and L23S). In October, a large grid (the Jersey grid) was established to cover most of the claim block. The Jersey grid overlies the Leroy and Dodger grids and has coordinates from L81N to L111N and from 25+00E to 61+00E (see Map 8). To the south, over the Posie claim, a fourth grid (the Posie grid) was established from L45N to L69N and from 33+00E to 47+00N (see Map 9). The Leroy grid totals 4.8 line kilometres, the Dodger grid totals 3.8 line kilometres, the Jersey grid totals 51 line kilometres and the Posie grid totals 14 line kilometres. All grid lines are run east-west and are spaced 200 metres apart, with soil samples collected at 50 metre intervals along the lines.

The Leroy grid was designed to cover the Leroy workings and its host lithologies (limestone-argillite contact), plus an electromagnetometer trend identified by a previous airborne geophysical survey. The Dodger grid was designed to cover a portion of a large magnetic anomaly identified by the airborne geophysics survey. The Jersey grid covers most of the claim holdings and includes all of the zones and deposits discussed in Section 2.3 Economic Geology, except for the Posie. The Posie grid covers much of the Posie claim to the south of the main claim block, and covers two airborne magnetic anomalies and overlies a soil grid sampled by previous property owners.

Along the grid lines, samples were collected at 50 metre intervals, with intermediate samples being taken in areas of mineralized outcrops. A total of 1562 `B' or upper `C' horizon soil samples were collected using a mattock or small shovel. Sample depths range from 5 to 40 centimetres, and average about 15 centimetres. All samples were placed in numbered kraft envelopes and shipped to Acme Labs Ltd. in Vancouver for analysis.

Soil samples labelled S1 to S17 were collected from the Dodger waste dump, Dodger "D" pits and mineralized road cuts in the Dodger area. Samples A, B and C were collected across the ABC Zone fault contact where it is cut by an access road. Samples Mag 1 through Mag 18 were taken along a road cut, and a 250 metre east-west line in the vicinity of the #1 Zone across a magnetic gradient outlined by the airborne magnetic survey. All samples were collected in the manner outlined in the previous paragraph. All sample sites were marked by flagging tape bearing the sample number.

In the laboratory, samples were oven dried at approximately 60°C and sieved to minus 80 mesh. The coarse fraction was then discarded and the minus 80 fraction analyzed for gold by atomic absorption. A multi-element analysis was also carried out using the ICP-AES analytical method.

3.2.2 PRESENTATION AND DISCUSSION OF RESULTS

On the Jersey Grid, including the Leroy and Dodger Grids, soil sample results gave zones of anomalous values for gold, arsenic, bismuth, silver, copper, lead, zinc, cadmuim, tungsten, molybdenum, and barium. Maps 10 to 15 give soil sample results for the above elements and Maps 16 to 24 show contours of these values. Some of these anomalous areas correlate to previous workings, but many represent new untested targets. The zones outlined under Economic Geology (Section 2.3) each give different soil geochemical signatures. Explanations for significant soil anomalies is given below.

The **Jersey Lead-Zinc Deposit** waste dump material and its dispersion train can be clearly seen on the zinc and lead soil sample contour maps (see Maps 19 and 20). The very high zinc and lead soil

anomalies from L81N to L87N centring on 37+00E, are related to the this deposit, and contains values >5000 ppm Zn, with the highest being 15,186 ppm Zn, and lead values generally >1000 ppm Pb, with the highest being 17,267 ppm Pb near the open pits. Anomalies in Au (170 ppb), Ag (13.9 ppm), As (142 ppm), and Cd (60.5 ppm) also occur within this waste rock dispersion area (see Maps 16, 17 and 21).

The **Bismuth Gold Zone**, which is occurs only in the underground workings, may be responsible for the 170 ppb Au and 142 ppm As anomalies from the Jersey Lead-Zinc Deposit waste rocks described above.

The **Emerald Lead-Zinc Deposit** waste dump material and its dispersion train can be seen on the zinc and lead soil sample contour maps (see Maps 19 and 20). It is difficult to determine where the waste dispersion from the Emerald Lead-Zinc Deposit ends and the Jersey Lead-Zinc Deposit begins. For ease of description, it can be assumed that the anomalous lead and zinc values from L89N to L99N, centring on 38+00E, are associated to the Emerald Lead-Zinc Deposit. Zinc values along this anomalous trend average >2000 ppm Zn, with the highest value being 5652 ppm Zn. Lead values average >500 ppm Pb, with the highest value being 9192 ppm Pb. Also within this waste rock dispersion train are anomalous values for Cd to 22.8 ppm (see Map 21).

Waste rock material from the **Dodger Tungsten Deposit** is visible at the north end of the grid in the vicinity of the main Dodger Adit. Near the Dodger Tungsten Adit at L103N, 46+00E (or L15S, 4+00E on the Dodger Grid) values of 192 ppm W, 147 ppm Cu, 14 ppb Au, 414 ppm Pb, 7020 ppm Zn and 14.8 ppm Cd were obtained from soil samples. Soil samples S15 to S17 were taken directly from waste rock piles at the mouth of the Dodger Adit (see Map 6) and returned values up to 793 ppm W, 457 ppm Mo, 284 ppm Cu, 171 ppm Pb, 2443 ppm Zn, 16.9 ppm Cd, 90 ppb Au, 332 ppm As, 25 ppm Bi. High lead, zinc and cadmium values may be from contamination due to mixing of ore with the Emerald or Jersey Lead-Zinc Deposits. The gold, arsenic and bismuth values in these samples likely relate to the underground Bismuth Gold Zone. Notable are the high molybdenym and copper values which appeared to be porphyry-like in the intrusive rocks found in the waste dump (see Maps 16 to 24).

Anomalous tungsten values cover a large area over the tungsten mill site, are can be attributed to the Dodger and Emerald Tungsten deposits (see Map 22). This anomaly can be seen on the tungsten soil sample contour map from L87N to L97N centring on 30+00E, with tungsten values averaging 30 to 150 ppm W. Other anomalous soil values related to the tungsten mill site include 27 ppb Au, 45 ppm Bi, 185 ppm As, 165 ppm Pb, and 544 ppm Ba (see Maps 16, 17, 19 and 24).

The main pit of the **Dodger "D" Zone** is located at grid coordinate L101N, 42+75E. Soil samples also collected from the area of this

main pit are S4 to S6 taken from the road cut adjacent to the pit. Significant soil results from these samples are 2570 ppb Au, 4121 ppm Bi, 641 ppm W, 4.7 ppm Ag, 501 ppm Cu and 71 ppm Mo. Values of 3765 ppm Zn and 15.0 ppm Cd were recovered from a sample location 75 metres east (uphill). More detailed work is required to understand the significance of the mineralization outlined in this area. Other pits and mineralized road cut areas located near the main Dodger "D" pit constitute the remainder of the Dodger "D" Zone. These areas have been soil sampled and results plotted as S1 to S3 and S7 to S14 (see Map 6), and can be seen on the Jersey Grid soil map as anomalies relating to stations L99N, 44+00E (13 ppb Au) and L95N, 43+50E (50 ppb Au) (see Map 16). The highest values obtained from the S series soil samples are 97 ppb Au, 19 ppm Bi, 764 ppm W, 594 ppm Cu, 2139 ppm Pb, 7021 ppm Zn, 48.9 ppm Cd and 121 ppm Mo (see Maps 16 to 23). Again additional work is required to determine the style and extent of this mineralization.

The **Emerald Tungsten Deposit** open pit is located from L97N, 35+50E to L89N, 34+00E. Soil results near this linear pit confirm the presence of tungsten (307 ppm) but also return anomalous values of 192 ppb Au, 39 ppm Bi, 561 ppm As, 238 ppm Cu, 1233 ppm Pb, 2223 ppm Zn, and 14.4 ppm Cd (see Maps 16 to 22). The gold, bismuth and arsenic results confirm the presence of the contiguous **Emerald Gold Zone.** Additional work is required to define the extent and style of gold mineralization within this zone.

The **#1 Zone** appears on the soil sample map for gold (see Map 16) as a linear anomaly. This anomaly correlates with the limestone-argillite contact. The anomaly trends from L87N to L91N near 32+00E and is coincident along its northern portion with the Emerald Tungsten Deposit and the Emerald Gold Zone. Gold values in soils from L87N to L91N are 12, 28 and 38 ppb respectively. Slightly elevated arsenic (to 75 ppm) is also associated with this anomalous trend (see Map 17). An interesting single station anomaly located on L83N at 31+00E lines up with the #1 Zone trend and gives highly anomalous soil values for several elements - 376 ppm Pb, 3571 ppm Zn and 30.4 ppm Cd (see Maps 19 to 21).

To the east of the #1 Zone workings, a prior airborne magnetic survey indicate a north-south striking linear magnetic gradient which increases steeply to the east. Soil samples MAG 1 to MAG 18 were collected across this linear (see Map 37). Anomalous lead, zinc, silver and cadmium values from samples MAG 5 to MAG 15 likely reflect waste rock dispersion from the Jersey Lead-Zinc Deposit.

The **Leroy Zone** occurs in the northwest corner of the Jersey Grid and over the length of the Leroy Grid. On the Jersey Grid, the soil geochemical anomalies associated with the Leroy Zone can be seen on L105N to L111N from 32+50E to 37+50E. In the Leroy Zone numerous scattered gold anomalies are visible, most notably 130 ppb Au at L12S, 6+00W (Leroy Grid) being the highest. The gold zone over the Leroy can be easily seen on Map 16. It is interesting to note that

gold values from soils do not correlate well with those obtained from rock samples (i.e. on the Leroy Zone, soil station 14+00S, 7+00W (Leroy Grid) which returned 27 ppb Au is located 10 metres downslope from rock sample 1006 which contained 23.8 g/t Au). All soil sample results of 10 ppb or greater need to be followed up by detailed mapping and sampling. Bismuth and arsenic soil anomalies are also present in the Leroy Zone with 49 ppm Bi at L12S, 6+00W and 356 ppm As at L14S, 5+00W (see Map 17).

An interesting feature on Map 24 shows extremely high barium values in soil samples taken throughout the Leroy Zone. Barium from ICP extraction returns only partial results, therefore the true amount of barium in these samples is likely much greater. Two sub-parallel barium anomalies can be seen - the first from L4S, 9+50W (Leroy Grid) to L105N, 33+50E (Jersey Grid) trending north-south for one kilometre and averaging 150 metres in width. The highest value returned from the ICP analysis in this first anomalous area is 4831 ppm Ba at L8S, 9+00W (Leroy Grid). The second anomalous trends runs from L12S, 6+50W to L16S, 7+00W (Leroy Grid) and averages 200 metres in width. Values of up to 9606 ppm Ba were returned from this trend, with several samples giving >5000 ppm Ba. This trend correlates well with the main Leroy Zone gold anomaly. The first anomalous trend occurs approximately 200 metres west (uphill) from this second zone and from the main Leroy workings. Interestingly, a zinc anomaly of 1083 ppm on L111N at 32+50E and of 801 ppm on L14S at 7+50W (see Map 20) appears to be related to this barium anomaly and to a magnetic highs which will be discussed in Section 4.2.

The **ABC Zone** was sampled by soils labelled A, B and C along a rusty road cut crossing the Iron Mountain Fault. Samples were taken from east to west across the fault at 20 metre spacings. All three samples returned anomalous gold values, with sample C giving 273 ppb Au, 3.8 ppm Ag, and 2219 ppm As. Samples A and B returned 941 ppm Zn and 914 ppm Zn respectively. Minor amounts of lead and molybdenum also were present in all three samples. Detailed mapping and sampling along this fault is recommended.

The **East Zone** was discovered as a geochemically anomalous area on the east side of the Jersey Grid. Promising results from the initial soil sampling of the Dodger Grid lead to the establishment of the larger Jersey Grid. Anomalous values for zinc, copper, cadmium and silver trend from L101N to L85N and from 50+00E to 60+00E or trending about 1.5 kilometres north-south by 1.0 kilometre wide (see Maps 16, 18, 20 and 21). Copper values along this trend tend to be >100 ppm, with a core area from L93N to L97N centring on 56+00E averaging >300 ppm, with the highest value being 655 ppm Cu. Silver values within the East Zone are generally >1.0 ppm with the highest values returned (5.8 and 5.6 ppm Ag) occurring on the east end of L93N. Zinc values within this area are >1000 ppm, with the highest sample value being 4207 ppm Zn on L89N at 58+50E. High cadmium values correlate well with high zinc values with many samples in the East Zone returning >10.0 ppm Cd, with up to 34.3 ppm Cd on L89N at 53+00E. As well, background values for molybdenum in

the East Zone are slightly elevated, returning 10 to 20 ppm Mo at several stations (see Map 23).

Barium values, which are only partial extractions using the ICP process, give many anomalous values at soil stations in the East Zone. Values of >1000 ppm Ba are not uncommon in this zone, however it can be noted that the main barium trend in this area occurs in a north-south direction, centred on 46+00E (i.e. just to the west of the main East Zone multi-element anomalies) (see Map 24). This anomalous barium trend correlates well with the position of the limestone outcrops, and as in the Leroy Zone is related to the limy unit. Along this trend the highest value of 4861 ppm Ba was returned from L93N, 45+50E.

On the Jersey grid, some scattered anomalous soil sample values were obtained that do not correlate directly to any of the above discussed mineralized zones. On L87N at 25+50E values of 523 ppb Au, 4.5 ppm Ag, 4848 ppm As, 95 ppm Bi, 206 ppm Cu, 2072 ppm Pb, 490 ppm W and 40 ppm Mo are found (see Maps 16 to 19, 22 and 23). From L107N to L111N near 50+00E cadmium, zinc and barium give anomalous soil values up to 29.2 ppm Cd, 2244 ppm Zn, and 1476 ppm Ba (see Maps 20, 21 and 24). A third anomalous can be seen on the extreme west side of the grid on L14S (Leroy grid) and on L103N (Jersey grid). The west end of these lines return values of 37 ppb, 102 ppb and 68 ppb Au, and 393 ppm As (see Maps 16 and 17). These three anomalous areas require additional work in order to understand their mineralization.

The **Posie Zone** lies on the Posie Grid located south of the Jersey Grid and south of Lost Creek. Anomalous zones of zinc, cadmium, silver, copper, gold, molybdenum, and barium have been outlined by the soil survey. Maps 25 to 27 show the soil sample results for the above mentioned elements, and Maps 28 to 33 give contoured results. High zinc values occur throughout the Posie Grid, with about half of the samples returning >1000 ppm Zn (see Map 30). Near the centre of the grid, several stations give >3000 ppm Zn with >5000 ppm Zn occurring at L53N, 42+50E; L53N, 36+50E; L51N, 33+50E; and L49N, 33+00E. The highest zinc values appear to very roughly trend northeast-southwest across the centre of grid. Cadmium highs appear to correlate well with the zinc highs found in the southwest quarter of the grid (see Map 31). Many soil sample stations in this area returned 10.0 to 20.0 ppm Cd, the highest samples being 80.3 ppm Cd at L49N, 37+50E, 45.2 ppm Cd at L51N, 33+50E and 31.8 ppm Cd at L49N, 33+00E. Immediately to the west, in fact partially overlying the zinc and cadmium anomalies, and trending northeast-southwest also, is first an anomalous silver zone, then slightly farther to the west an anomalous copper zone. The anomalous silver zone trends from L67N, 47+00E to L49N, 33+00E for a distance of 1800 metres, averaging 200 metres wide (see Map 28). Within this anomalous silver zone, values tend to be >1.5 ppm Ag, with many samples returning >3.0 ppm Ag and the highest station along this trend L57N, 37+00E giving 5.6 ppm Ag. The adjacent copper soil anomaly trends from L67N, 42+00E to L55N, 34+00E and gives many values >100 ppm Cu

(see Map 29). The highest copper value of 609 ppm Cu occurs at L61N, 37+00E.

In the Posie Zone, barium values of >500 ppm Ba are not uncommon on the west side of the grid (see Map 32). The highest values of >1500 ppm Ba are found on the very west end of L61N and L53N as well as at L47N, 40+50E. Molybdenum soil anomalies are found on the southwest corner of the grid, with values of 10 to 20 ppm being returned (see Map 33). The main portion of this molybdenum trend runs from L53N, 38+00E to L45N, 35+50E.

Single station gold soil anomalies are found on the Posie Grid, with the most significant of these being 60 ppb Au at L47N, 44+00E and 44 ppb Au at L59N, 43+00E. Another interesting single station anomaly on L45N at 35+50E returned 16.3 ppm Ag and 5092 ppm Pb.

No detailed mapping or rock sampling was done in the Posie area, but follow up work of this nature is recommended.

4.0 GEOPHYSICS

4.1 MAGNETOMETER SURVEY

4.1.1 INSTRUMENT AND SURVEY TECHNIQUES

A Geometrics G816 Proton Magnetometer was used to conduct an 8 line kilometre ground magnetic survey on the Leroy and Dodger grids (see Maps 34 and 35). The survey grids consist of east-west survey lines spaced 400 metres apart. Stations along the survey lines are placed at 25 metre intervals.

A small geophysical survey was also run over the Dodger "D" Zone main pit area using three 200 metre long north-south lines spaced 50 metres apart. Readings were taken along the lines at 10 metres intervals (see Map 36).

To the east of the #1 Zone, the airborne magnetic survey defined a linear magnetic gradient steeply increasing to the east. A line of magnetometer readings were taken at 25 metre stations along a road running roughly east-west across the gradient (see Map 37).

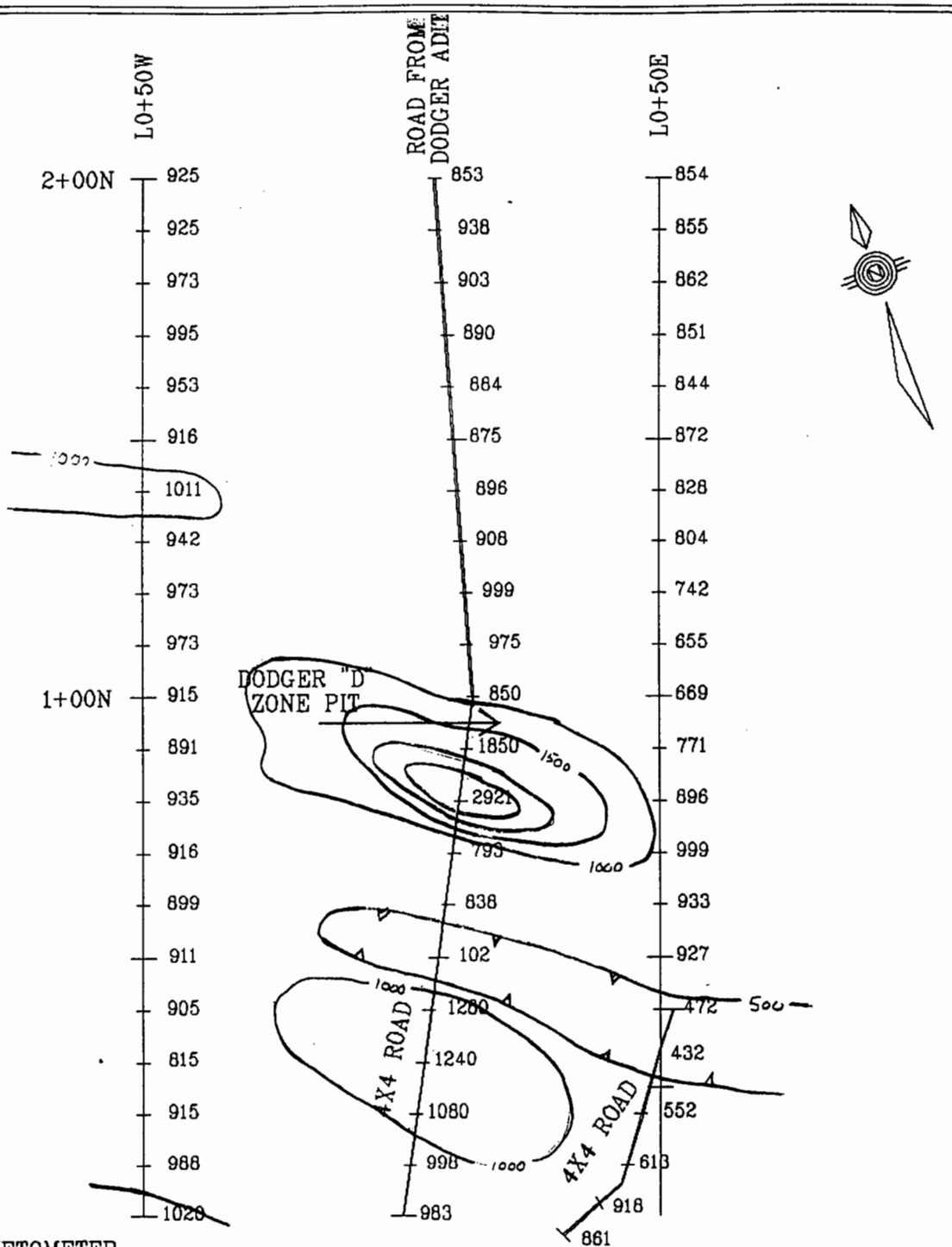
The G816 Proton Magnetometer measures the total intensity of the earth's magnetic field with a sensitivity up to +/- 1 nanotesla through the use of proton precession. By measuring the total field intensity orientation errors are minimized.

To ensure optimum results the sensor was always oriented north-south so that the sensor axis was perpendicular to the earth's field and held still to reduce random noise. Station 0+00S at 0+00W (Leroy Grid) was used as a base station. By referring back to this station on closure of the traverse, a check on the accuracy of the survey and diurnal variations were obtained. Diurnal variation during the course of this survey was negligible, therefore corrections to the data prior to plotting was not necessary.

4.1.2 PRESENTATION AND DISCUSSION OF RESULTS

The corrected magnetometer survey data is profiled and posted at 1:5,000 scale using 56,000 nanoteslas as a base.

On the Leroy Grid (see Maps 34 and 35), magnetometer readings range from 55,541 nanoteslas (L12S, 8+75W) to 59,225 nanoteslas (L12S, 6+25W), for a total relative change of 3,684 nanoteslas. On the Leroy grid, readings are generally quite flat, with anomalous values occurring only on the south portion of the grid, most notably on L12S and L14S. The main north-south magnetic high trend on these lines, centering around 6+00W is related to the Leroy zone mineralization. Magnetic massive pyrrhotite bands often occur on one or both sides of the



815
915 MAGNETOMETER READINGS IN GAMMAS
938

56,000 gammas = 0

SCALE 1:1,250

P & L GEOLOGICAL SERVICES

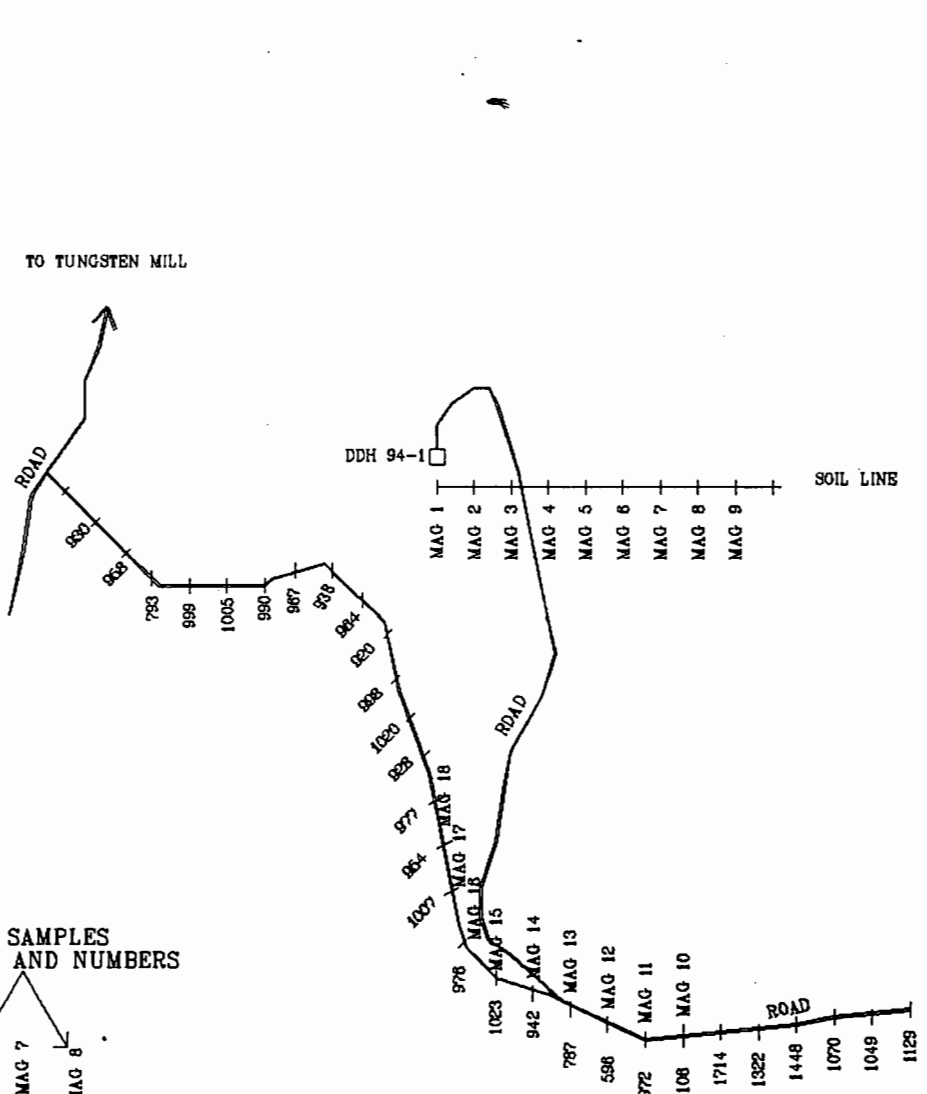
JERSEY PROPERTY

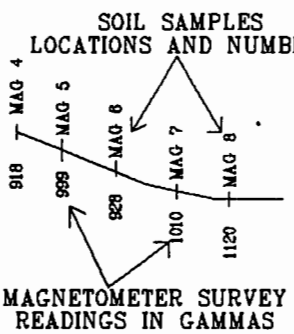
NELSON MINING DIVISION NTS: 82F/3E

DODGER "D" ZONE MAGNETOMETER SURVEY MAP

BY: L.D.
DATE: MARCH 1996

MAP: 36





56,000 gammas = 0

SCALE 1:5,000

P & L GEOLOGICAL SERVICES

JERSEY PROPERTY

NELSON MINING DIVISION NTS: 82F/3E

#1 ZONE MAGNETOMETER SURVEY MAP

BY: L.D.
DATE: MARCH 1996

MAP: 37

main quartz vein, therefore explaining this anomalous trend. Other magnetic anomalies found to the east of the Leroy mineralized zone (most notably at L14S, 7+25W) cannot be easily explained. It is interesting to note that barium and lead soil anomalies occur coincident with these magnetic anomalies.

On the Dodger Grid (see Maps 34 and 35), magnetometer readings range from 49,000 nanoteslas (L15S, 14+50E) to 58,985 nanoteslas (L19S, 9+50E), for a total maximum change of 9,985 nanoteslas. Magnetic readings on the western half of line 15S of the Dodger Grid appear to be relatively flat, while the eastern half of the line shows quite variable readings. These variable readings are in an area of dark argillites, and are associated with the East Zone copper, zinc, cadmium and silver soil anomalies. Additional work is required to understand the relationship between the high soil values and these interesting magnetometer readings.

On Map 36, the Dodger "D" Zone magnetometer survey results are plotted. High magnetic values at L0, 0+80N and 0+90N (58,921 and 57,850 nanoteslas respectively) are associated with the main pit and outline the probable extent of the massive pyrrhotite mineralization. For the remainder of the Dodger "D" Zone survey area, the magnetic readings range between 56,102 and 57,280 nanoteslas.

Map 37 shows soil sample and magnetometer survey stations crossing the airborne magnetic anomaly. Along the road, in the vicinity of soil sample station MAG 11, the magnetic gradient can be seen to increase from a background of <57,000 nanoteslas to one of >57,000 nanoteslas. No visible indication for this gradient was observed.

5.0 CONCLUSIONS

Geologic features which contribute directly to the presence of mineralization on the Jersey and Posie Properties are discussed below:

1) The contact between the Reeves Limestone and and the Emerald Argillite Members, controls the mineralization in the Leroy Gold Zone, #1 Zone, Emerald Tungsten Deposit and the Emerald Gold Zone.

2) The major fault contact (Iron Mountain Fault) between Ordovician Active Formation argillites and Cambrian Reeves Member limestones controls mineralization in the ABC Zone.

3) Perhaps the most important control for mineralization on this property is the presence of the Cretaceous Emerald, Jersey and Dodger stocks. These stocks are the heat source for the tungsten skarn mineralization in the Emerald, Dodger, Feeney and Invincible deposits. The Cretaceous stocks also provide the heat source for the gold skarn mineralization seen in the Bismuth Gold and Emerald Gold Zones.

4) Directly in contact with the Cretaceous Dodger stock, is the massive and disseminated sulphide mineralization found in the Dodger "D" Zone.

5) The potential for a new, very significant sedex style of mineralization is seen in the East and Posie Zones which returned high metal values from black argillities.

Mineral deposit models which have been utilized when explaining the mineral occurrences on this property include:

1) SKARNS - Tungsten skarns are clearly responsible for the Dodger and Emerald tungsten deposits, and gold skarns for the Bismuth Gold and Emerald Gold Zones.

2) REPLACEMENT - The presence of linear bands of lead and zinc mineralization within limestones and dolomites of the Reeves Member, which trends roughly north-south for tens of kilometres in this region are responsible for a number of mines (including the Jersey and Emerald Lead-Zinc Deposits), and give the appearance of replacement style mineralization.

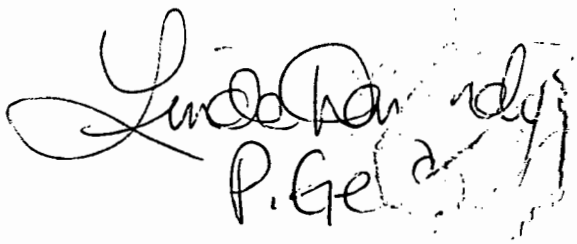
3) SEDEX - The East and Posie zones lie entirely within black shaly argillites of the Ordovician Active Formation and are comprised of bands with anomalous copper, zinc, cadmium, silver, barite and molybdenum values.

The soil sampling survey returned very significant results for gold, silver, arsenic, bismuth, copper, lead, zinc, cadmium,

tungsten, molybdenum and barite, with each element occurring in several anomalous areas.

The previously contracted airborne geophysical survey gave an interesting electromagnetic conductor in the Leroy and #1 Zone areas and appears to be coincident with the limestone-argillite contact. Along this contact, bands of quartz and sulphide mineralization (including massive pyrrhotite in areas), relate to this conductive trend.

The airborne geophysical survey also showed magnetic high areas on the east portion of the Jersey property and on the Posie property to the south. These magnetic high zones correspond very well to the soil sample anomalies for copper, zinc, cadmium and silver outlined on both the East and Posie zones.



6.0 REFERENCES

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7.0 COST STATEMENT

JERSEY PROPERTY
AUGUST 1 TO DECEMBER 31, 1995

GENERAL COST		
Food and Accommodation:	62 mandays @ $41.56	$ 2,576.90
Fuel		271.30
Supplies and Sundry		1,805.55
Shipments		437.87
Report Preparation		3,479.24
TOTAL GENERAL COST		**$ 8,570.86**
LINE ESTABLISHMENT		
P.E. Walcott & Assoc.:	72.15 line km	**$25,266.14**
G.P.S. SURVEY		
P.E. Walcott & Assoc.:	72.15 line km	**$ 6,221.86**
GEOCHEMICAL SURVEY		
P & L Geological Services:	41 mandays	$13,929.97
Subcontractors:	J. Denny	3,729.50
	D. Murray	2,950.00
ACME Labs:	118 Rock for Au & 32 Element ICP @ $18.96	2,237.28
	1,526 soils for Au & 32 Element ICP @ $13.35	20,852.70
General Cost Apportioned (41/62 * $8,570.86)		5,667.83
TOTAL GEOCHEMICAL SURVEY COST		**$49,367.28**
MAGNETOMETER SURVEY		
P & L Geological Services:	16 mandays	$ 5,436.08
General Cost Apportioned (16/62 * $8,570.86)		2,211.83
TOTAL MAGNETOMETER SURVEY COST		**$ 7,647.91**
GEOLOGY AND PROSPECTING		
P & L Geological Services:	5 mandays	$ 1,698.78
General Cost Apportioned (5/62 * $8,570.86)		691.20
TOTAL GEOLOGY AND PROSPECTING COST		**$ 2,389.98**

TOTAL COSTS

LINE ESTABLISHMENT	$25,266.14
G.P.S. SURVEY	6,221.85
GEOCHEMICAL SURVEY	49,367.28
MAGNETOMETER SURVEY	7,647.91
GEOLOGY AND PROSPECTING	2,389.98
TOTAL COSTS	**$90,839.17**

8.0 QUALIFICATIONS

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B.Sc. in Geology, University of British Columbia, 1981

PROFESSIONAL:

Fellowship, Geological Association of Canada, 1987

Membership, Association of Professional Engineers and Geoscientists of B.C., 1992

EXPERIENCE:

NOV 1989 - PRESENT; P AND L GEOLOGICAL SERVICES: Consulting and Contracting to the mineral industry and government in all aspects of mineral exploration, reclamation, and education

MAY 1984 - NOV 1989; HUGHES LANG EXPLORATION: Project Geologist involved in all aspects of mineral and placer exploration throughout BC, Yukon and USA locations

APR - AUG 1982; P AND L GEOLOGICAL SERVICES: Project Geologist, Tulameen and Barkerville placer projects

MAY - DEC 1981
SEPT - DEC 1982
MAY 1983 - APR 1984 MARK MANAGEMENT LTD: Geologist, Quesnel Trough and Atlin, B.C., and Dawson City, Yukon

APPENDIX

CERTIFICATES OF ANALYSES

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-3299 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
D1	1	17	237	51206	8.6	6	3	437	1.72	6	5	<2	<2	127	334.6	<2	<2	<1	23.58	.003	3	2	4.28	41	<.01	7	.10	.01	.05	<2	1	<1	<.001
D2	14	41	15416	31101	27.9	7	4	161	48.20	93	12	<2	<2	5	112.7	13	<2	2	.27	.004	1	5	.24	44	.01	5	.16	.01	.16	<2	<1	1	<.001
D3	6	948	55	93	1.6	184	310	345	28.43	<2	5	<2	5	54	.9	<2	4	5	.57	.026	14	10	.30	10	.03	7	1.15	.02	.08	<2	1	<1	<.001
D4	1	396	1133	121	14.5	106	65	382	45.56	9	<5	<2	<2	2	1.6	<2	88	732	.26	.010	2	24	.08	5	<.01	6	.08	<.01	.02	<2	<1	<1	<.001
D5	1139	60	6	121	<.3	9	4	4277	3.43	<2	<5	<2	3	11	.3	<2	6	9	4.22	.119	9	15	.24	17	.04	<3	.97	.01	.02	83	2	<1	<.001
D6	20	669	10	110	1.2	13	39	1956	34.32	4	6	10	<2	2	.6	<2	12	32	.13	.013	1	4	1.04	7	.08	6	1.61	.02	1.96	19	7	<1	<.001
D7	123	821	8	164	1.8	9	5	4697	10.51	6	<5	3	5	16	.3	3	184	10	4.11	.120	9	17	.32	34	.05	4	1.44	.03	.05	705	4	<1	.010
D8	6	739	6	61	1.0	18	93	2858	19.01	18	7	3	3	18	.3	11	<2	19	1.55	.058	10	14	.90	20	.02	7	.47	.01	.45	1108	5	<1	<.001
D9	3	118	11	188	.5	35	13	268	2.53	<2	<5	<2	13	38	1.5	<2	<2	27	1.66	.065	9	56	1.36	152	.15	<3	2.26	.08	.20	4	<1	<1	<.001
D10	<1	4236	823	11268	20.7	33	18	371	39.73	21	10	2	<2	25	14.8	11	3	3	2.89	.055	3	4	1.57	8	<.01	5	.14	<.01	.02	<2	<1	<1	.001
RE D10	1	4320	812	11412	21.7	34	18	372	40.28	28	10	<2	<2	26	14.9	10	4	3	3.01	.055	3	<1	1.58	7	<.01	<3	.13	<.01	.02	<2	<1	<1	<.001
RRE D10	4	4717	943	10948	22.8	47	20	421	38.34	20	10	<2	<2	29	15.8	10	10	4	3.22	.047	3	5	1.81	7	<.01	5	.12	<.01	.02	<2	<1	<1	<.001
L1	3	23	9	85	<.3	10	1	125	.63	7	<5	<2	<2	1	.2	<2	<2	1	.04	.003	<1	9	.03	8	<.01	<3	.08	<.01	.01	3	1	<1	<.001
L2	5	13	5	36	<.3	12	1	155	.75	13	<5	<2	<2	3	.2	<2	<2	2	.06	.003	2	14	.02	13	<.01	<3	.08	<.01	.02	3	1	<1	.001
L3	5	8	<3	19	<.3	12	<1	84	.46	<2	<5	<2	<2	1	<.2	<2	<2	1	.01	.001	1	17	.01	4	<.01	<3	.03	.01	.01	4	<1	<1	.003
L4	4	11	10	32	<.3	10	1	74	.44	<2	<5	<2	<2	1	.3	<2	<2	1	.03	.002	<1	12	.20	8	<.01	<3	.12	<.01	.01	2	<1	<1	.063
STANDARD C/AU-1	17	58	36	130	6.6	65	31	1053	3.78	42	18	7	35	48	17.8	18	20	62	.47	.090	42	62	.86	177	.08	27	1.71	.06	.14	10	1	<1	.096

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P5 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 5 1995 **DATE REPORT MAILED:** Sept 12/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 95-3299 Page 2

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
S1	121	155	66	402	.5	19	27	2420	8.25	30	<5	<2	3	18	2.3	7	10	45	.69	.119	10	20	.47	120	.08	<3	1.87	.01	.14	764	3	<1	97
S2	6	13	25	457	<.3	12	7	447	2.10	22	<5	<2	3	14	3.9	<2	<2	38	.26	.077	8	11	.24	134	.15	<3	3.86	.02	.06	3	<1	<1	2
S3	3	25	57	440	<.3	33	9	391	2.51	16	<5	<2	4	14	1.6	<2	<2	83	.27	.140	17	37	.59	290	.10	<3	3.36	.01	.13	2	<1	<1	3
S4	46	501	79	306	1.9	25	18	3374	13.47	4	<5	2	8	28	1.3	7	521	32	.84	.383	35	26	2.29	149	.11	<3	3.04	.02	.40	163	7	2	740
S5	66	158	16	54	3.5	1	2	706	25.74	<2	<5	9	<2	20	<.2	9	2209	28	.15	.162	1	3	.91	22	.06	4	.95	.06	2.28	260	2	<1	370
S6	71	355	21	131	4.7	5	5	754	15.74	<2	<5	16	<2	135	.8	11	4121	14	.61	.199	5	7	.74	12	.04	3	1.27	.09	1.41	641	4	<1	2570
S7	2	41	126	1246	.3	29	9	729	4.02	9	<5	<2	7	19	8.2	<2	19	79	.83	.049	24	37	2.67	229	.13	6	2.41	.02	.15	5	2	<1	19
S8	5	594	2139	6058	15.6	29	25	2007	24.10	23	<5	<2	3	25	17.2	17	2	93	1.79	.214	30	25	2.52	191	.06	7	1.33	<.01	.05	<2	12	<1	12
S9	2	28	71	888	<.3	45	15	700	3.89	11	<5	<2	11	15	3.1	<2	<2	62	.30	.086	37	43	3.67	114	.14	7	3.33	.01	.11	<2	<1	<1	2
S10	1	28	68	313	<.3	31	11	595	2.80	11	<5	<2	10	30	1.4	2	<2	76	.52	.074	30	41	.97	212	.13	<3	2.52	.02	.26	2	1	<1	4
S11	<1	17	87	2615	<.3	31	11	885	3.11	9	<5	<2	11	18	8.6	<2	<2	54	.44	.100	25	31	1.37	152	.17	<3	3.67	.02	.13	<2	<1	<1	2
S12	10	65	61	803	.9	53	13	3064	7.24	6	<5	<2	12	620	9.2	4	<2	27	4.76	.983	46	47	3.66	111	.10	3	3.57	.03	.06	10	8	<1	2
S13	8	13	91	4068	.4	23	4	333	1.42	28	<5	<2	2	137	10.1	3	<2	22	11.46	.041	10	19	6.64	57	.04	4	.89	.02	.06	<2	<1	<1	4
S14	7	24	446	7021	.7	35	5	2807	2.97	159	<5	<2	2	112	48.9	7	<2	26	10.01	.055	11	26	5.77	291	.03	<3	.97	.01	.07	<2	7	<1	16
LOS 10+00W	1	21	37	324	<.3	35	17	1899	4.09	15	<5	<2	5	15	1.1	3	<2	51	.20	.089	20	48	.59	229	.10	5	2.15	.01	.16	<2	3	<1	2
LOS 9+50W	<1	23	15	138	<.3	43	13	684	2.87	14	<5	<2	4	15	<.2	<2	<2	48	.13	.138	13	46	.57	221	.16	<3	3.76	.02	.11	<2	2	<1	1
LOS 9+00W	2	34	14	150	<.3	93	21	769	3.37	11	<5	<2	4	25	<.2	<2	<2	55	.30	.072	12	87	.86	176	.24	3	4.03	.03	.13	<2	4	<1	1
LOS 8+50W	1	21	23	146	<.3	41	12	936	2.84	14	<5	<2	5	16	.2	<2	<2	43	.15	.095	15	36	.51	194	.13	<3	3.01	.01	.10	<2	3	<1	<1
LOS 8+00W	<1	39	29	134	<.3	44	12	447	2.89	17	<5	<2	6	24	.5	<2	<2	46	.21	.104	16	46	.57	179	.12	<3	3.22	.01	.10	<2	<1	<1	3
LOS 7+50W	1	24	13	157	<.3	78	19	274	3.73	12	<5	<2	4	15	<.2	<2	<2	61	.19	.100	9	101	.96	147	.25	3	4.18	.02	.10	<2	4	<1	<1
LOS 7+00W	<1	24	20	147	<.3	65	16	896	3.14	13	<5	<2	5	20	<.2	<2	<2	52	.21	.104	13	56	.58	324	.20	4	3.97	.02	.12	<2	6	<1	<1
RE LOS 7+00W	<1	23	18	145	<.3	64	16	884	3.06	14	<5	<2	5	20	.2	<2	<2	50	.22	.103	12	55	.56	318	.19	<3	3.89	.02	.12	<2	1	<1	<1
LOS 6+50W	2	27	17	200	<.3	45	14	342	3.30	10	<5	<2	5	33	.4	<2	<2	54	.34	.118	10	49	.96	181	.23	<3	5.05	.06	.12	<2	5	<1	<1
LOS 6+00W	1	28	16	282	.5	52	11	719	2.78	24	<5	<2	4	19	1.1	2	<2	48	.19	.163	8	33	.57	222	.19	3	4.32	.03	.09	<2	2	<1	<1
LOS 5+50W	1	13	21	143	.4	21	8	208	2.42	10	<5	<2	5	10	.2	2	<2	46	.10	.148	13	28	.38	119	.12	3	2.40	.01	.08	<2	2	1	3
LOS 5+00W	1	14	20	258	<.3	25	8	1162	2.41	8	<5	<2	3	12	.9	<2	<2	42	.16	.282	8	34	.49	334	.13	<3	3.61	.02	.08	<2	<1	<1	<1
LOS 4+50W	<1	13	18	171	.4	28	9	324	2.44	10	<5	<2	5	14	.4	<2	<2	45	.19	.086	17	32	.44	191	.11	3	2.36	.01	.09	<2	1	<1	<1
LOS 4+00W	1	12	14	165	.3	28	12	262	2.73	7	<5	<2	3	12	<.2	<2	<2	45	.13	.161	10	31	.38	169	.14	<3	3.55	.02	.09	<2	<1	1	<1
LOS 3+50W	<1	16	27	159	.5	31	10	341	2.86	9	<5	<2	4	10	.5	<2	<2	48	.12	.132	12	41	.50	117	.13	4	3.04	.02	.09	<2	<1	<1	<1
LOS 3+00W	<1	23	22	119	<.3	43	10	464	2.97	9	<5	<2	6	9	.3	<2	<2	51	.15	.059	25	62	.87	96	.10	3	2.08	.01	.13	<2	1	2	1
LOS 2+50W	1	22	17	162	.3	36	11	251	2.61	7	<5	<2	6	12	.2	<2	<2	45	.13	.107	11	37	.51	164	.15	<3	4.22	.02	.09	<2	1	<1	<1
LOS 2+00W	1	25	18	205	.4	51	15	437	3.12	6	<5	<2	5	17	.3	<2	<2	49	.18	.109	13	56	.57	228	.14	3	3.82	.02	.15	<2	<1	1	<1
LOS 1+50W	<1	13	19	173	<.3	25	9	488	2.72	6	<5	<2	3	14	.2	<2	<2	48	.15	.157	10	33	.30	211	.15	<3	2.78	.02	.09	<2	<1	<1	<1
LOS 1+00W	1	11	17	155	.3	27	9	268	2.72	8	<5	<2	4	12	.3	<2	<2	45	.18	.106	9	32	.35	133	.15	<3	3.16	.02	.09	<2	1	<1	<1
LOS 0+50W	2	15	24	136	.3	31	9	164	2.81	10	<5	<2	4	11	.3	3	<2	50	.13	.167	10	34	.34	118	.16	<3	3.26	.02	.09	<2	<1	1	<1
LOS 0+00W	<1	36	18	156	1.2	36	10	102	2.58	6	<5	<2	3	24	.3	<2	<2	44	.32	.059	12	23	.30	131	.14	<3	3.79	.02	.10	<2	<1	<1	<1
STANDARD C/AU-S	17	62	39	129	6.5	64	29	1025	3.61	42	17	6	34	52	17.1	17	20	61	.50	.086	40	59	.85	172	.08	25	1.84	.06	.14	9	1	2	52

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L4S 11+50W	1	25	24	174	.3	58	20	2189	3.72	11	<5	<2	6	35	.4	3	3	46	.31	.214	17	58	.68	385	.14	5	3.18	.02	.17	<2	6	<1	2
L4S 11+00W	1	24	35	183	.3	53	17	2463	3.41	12	<5	<2	5	20	.5	3	2	47	.18	.165	15	54	.64	363	.14	4	2.92	.02	.15	<2	8	<1	1
L4S 10+50W	1	30	25	174	<.3	87	26	1897	4.22	12	<5	2	6	24	.3	3	2	62	.28	.129	13	97	.93	311	.24	4	3.61	.02	.16	<2	10	<1	1
L4S 10+00W	<1	17	20	191	.4	29	12	1075	3.00	6	<5	2	5	36	.4	<2	2	48	.36	.116	8	45	.85	371	.24	5	3.76	.04	.12	<2	7	<1	<1
L4S 9+50W	1	22	34	282	<.3	26	11	1721	2.69	4	<5	<2	3	24	1.3	<2	<2	42	.28	.218	10	35	.34	659	.15	<3	2.44	.02	.11	<2	3	<1	1
L4S 9+00W	2	23	14	108	.4	28	9	668	2.65	10	<5	<2	6	20	.3	<2	3	38	.19	.112	10	21	.39	185	.24	3	5.64	.03	.10	<2	6	<1	<1
RE L4S 9+00W	1	23	12	104	.3	28	9	637	2.59	9	<5	<2	6	20	.3	2	<2	38	.19	.108	10	23	.38	178	.23	3	5.56	.03	.10	<2	4	<1	1
L4S 8+50W	<1	22	24	119	<.3	42	12	272	3.09	11	<5	<2	8	12	.4	3	<2	44	.11	.082	17	39	.59	149	.11	<3	3.38	.01	.12	<2	1	<1	1
L4S 8+00W	<1	16	23	542	.6	57	10	491	2.52	8	<5	<2	5	14	3.5	<2	3	69	.21	.295	11	52	.50	931	.14	6	3.83	.03	.10	<2	1	<1	<1
L4S 7+50W	1	13	21	152	<.3	27	9	260	2.70	3	<5	<2	6	16	.5	<2	<2	44	.29	.175	14	41	.78	647	.18	<3	4.87	.03	.08	<2	1	<1	3
L4S 7+00W	<1	16	23	226	.3	38	11	752	2.64	8	<5	<2	6	21	.8	<2	2	49	.23	.195	16	41	.48	362	.14	4	3.30	.02	.13	<2	2	<1	2
L4S 6+50W	<1	17	18	243	<.3	37	10	382	2.83	5	<5	<2	5	11	.9	<2	<2	43	.11	.129	10	39	.45	334	.14	<3	4.13	.02	.11	<2	<1	<1	<1
L4S 6+00W	1	14	22	167	.4	24	10	334	2.95	9	<5	<2	5	12	.5	<2	<2	45	.12	.229	14	34	.43	160	.12	3	2.82	.02	.11	<2	<1	<1	<1
L4S 5+50W	1	19	31	226	<.3	35	10	381	2.83	9	<5	<2	6	17	.4	<2	2	39	.25	.175	12	39	.40	251	.14	<3	3.36	.02	.15	<2	1	<1	<1
L4S 5+00W	2	28	12	129	.6	29	4	1868	1.13	6	7	<2	<2	76	1.5	<2	<2	17	2.46	.076	12	20	.27	198	.02	6	1.35	.01	.11	<2	5	<1	1
L4S 4+50W	<1	42	22	246	.4	60	14	378	3.54	10	<5	<2	6	30	.5	5	<2	49	.43	.064	21	60	.71	308	.15	<3	4.66	.02	.21	<2	3	<1	1
L4S 4+00W	1	32	28	281	.4	68	14	592	3.50	7	<5	<2	8	28	1.0	<2	2	54	.41	.067	18	68	.79	364	.14	<3	3.97	.03	.23	<2	2	<1	1
L4S 3+50W	<1	13	20	207	<.3	24	9	1001	2.22	4	<5	<2	8	11	.5	<2	<2	34	.12	.235	12	32	.40	267	.13	<3	2.48	.02	.09	<2	2	<1	1
L4S 3+00W	2	11	22	188	.3	25	10	720	2.47	7	<5	<2	5	12	.5	2	<2	38	.15	.147	14	33	.40	230	.12	<3	2.50	.01	.09	<2	2	<1	1
L4S 2+50W	<1	12	29	137	<.3	21	8	315	2.36	4	<5	<2	4	16	.4	<2	<2	38	.22	.108	15	25	.37	158	.13	<3	1.84	.01	.11	<2	1	<1	1
L4S 2+00W	1	16	27	248	<.3	35	11	180	2.57	4	<5	<2	7	13	.8	2	<2	40	.15	.100	16	34	.56	177	.13	<3	3.07	.02	.13	<2	<1	<1	1
L8S 12+25W	1	32	37	166	<.3	45	15	1037	3.22	8	<5	<2	6	36	.8	<2	3	48	.38	.068	16	39	.83	221	.15	<3	3.32	.03	.23	4	2	<1	1
L8S 12+00W	1	25	25	259	<.3	46	13	1317	2.98	6	<5	<2	4	35	1.6	<2	<2	44	.36	.183	11	34	.49	405	.17	<3	3.69	.03	.12	<2	1	<1	<1
L8S 11+50W	1	19	14	167	<.3	34	11	1079	2.63	7	<5	<2	4	24	.2	<2	<2	37	.27	.142	10	24	.35	255	.19	<3	4.51	.03	.10	<2	<1	<1	1
L8S 11+00W	1	29	16	246	<.3	40	17	786	3.07	9	<5	<2	4	23	.7	3	4	48	.24	.154	10	30	.54	191	.17	4	4.08	.03	.09	<2	2	<1	1
L8S 10+50W	1	16	86	280	.3	39	8	1137	2.34	7	<5	<2	5	23	2.2	<2	<2	245	1.09	.128	24	52	1.79	203	.10	3	2.92	.02	.09	<2	4	<1	1
L8S 10+00W	<1	20	17	436	<.3	39	10	443	2.49	9	<5	<2	5	13	2.3	3	<2	48	.17	.168	9	26	.48	221	.15	<3	4.26	.02	.09	<2	2	<1	<1
L8S 9+50W	<1	20	24	195	<.3	33	11	790	2.84	7	<5	<2	7	15	.9	2	<2	52	.31	.157	14	51	.89	667	.14	<3	3.77	.02	.10	<2	3	<1	2
L8S 9+00W	<1	13	23	207	<.3	26	11	793	2.44	<2	<5	<2	5	19	.6	<2	<2	44	.29	.236	10	137	.61	4831	.15	<3	4.12	.04	.12	<2	3	<1	1
L8S 8+50W	<1	11	36	263	<.3	29	11	1610	2.69	4	<5	<2	7	18	1.7	<2	2	41	.54	.296	14	90	.73	2564	.14	<3	3.42	.03	.12	<2	3	<1	<1
L8S 8+00W	<1	12	21	245	<.3	28	10	372	2.43	4	<5	<2	4	12	.6	<2	<2	38	.15	.169	12	38	.41	598	.12	<3	3.10	.02	.10	<2	1	<1	1
L8S 7+50W	<1	18	19	176	<.3	45	13	686	2.90	8	<5	<2	6	16	.2	<2	2	46	.19	.173	14	53	.62	325	.13	<3	3.20	.02	.14	<2	1	<1	<1
L8S 7+00W	1	44	28	231	<.3	108	15	531	3.61	9	<5	<2	10	27	.7	2	4	55	.41	.078	24	78	.83	725	.14	<3	4.40	.02	.25	<2	<1	<1	1
L8S 6+50W	1	42	15	144	<.3	40	15	388	2.82	5	<5	<2	6	23	.3	2	<2	41	.31	.150	12	37	.61	328	.15	<3	4.25	.03	.09	<2	2	<1	5
L8S 6+00W	2	19	18	188	<.3	26	13	828	2.98	5	<5	<2	3	12	.3	2	4	44	.15	.142	10	20	.31	175	.16	<3	3.16	.02	.08	2	<1	<1	2
STANDARD C/AU-S	18	58	36	124	7.1	69	33	1040	3.84	41	19	8	39	52	18.4	18	17	61	.50	.097	41	60	.97	189	.08	28	1.96	.06	.16	11	2	1	48

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L8S 5+50W	2	21	23	155	<.3	36	11	495	2.82	12	<5	<2	3	16	.5	<2	4	48	.18	.101	11	33	.48	211	.18	<3	3.75	.02	.10	<2	<1	<1	3
L8S 5+00W	3	17	20	197	<.3	33	13	961	3.47	13	<5	<2	2	14	.4	<2	13	55	.16	.065	9	35	.45	310	.17	<3	2.63	.01	.09	<2	<1	<1	24
L8S 4+50W	1	16	26	177	<.3	31	12	599	3.77	15	<5	<2	2	14	.2	<2	2	56	.17	.094	13	39	.62	176	.17	<3	2.34	.01	.15	<2	<1	<1	1
L8S 4+00W	1	18	25	164	<.3	43	13	416	3.21	12	<5	<2	5	16	<.2	<2	2	47	.20	.109	12	44	.68	198	.18	<3	3.32	.01	.15	<2	<1	<1	1
L8S 3+25W	1	16	25	161	<.3	36	13	1350	3.50	12	<5	<2	3	14	<.2	<2	<2	51	.13	.072	12	47	.56	183	.19	<3	2.39	.01	.14	<2	1	2	<1
L12S 14+25W	<1	29	36	174	<.3	44	24	2587	4.07	393	<5	<2	<2	32	.5	3	17	37	.33	.059	15	31	.46	212	.11	<3	2.01	.01	.13	3	2	2	37
L12S 14+00W	1	27	22	165	<.3	69	19	1555	3.71	18	<5	<2	4	34	.4	<2	2	44	.41	.040	15	40	.58	361	.15	<3	2.87	.02	.16	2	1	<1	19
L12S 13+50W	<1	45	23	195	<.3	66	16	963	3.36	14	<5	<2	4	32	.5	<2	3	47	.39	.111	15	38	.52	411	.16	<3	3.31	.02	.12	3	1	<1	1
L12S 13+00W	1	29	19	157	<.3	34	12	1011	2.70	14	<5	<2	3	17	.2	<2	4	38	.15	.148	11	22	.39	218	.16	<3	3.51	.02	.08	<2	1	<1	1
L12S 12+50W	<1	27	19	99	<.3	37	13	540	3.08	11	<5	<2	7	19	<.2	<2	5	43	.24	.081	14	35	.58	184	.17	3	4.58	.02	.10	<2	<1	<1	3
L12S 12+00W	<1	36	18	218	<.3	37	14	1120	3.24	14	<5	<2	3	23	.6	<2	2	44	.27	.151	12	29	.43	334	.17	<3	3.22	.01	.12	<2	<1	<1	2
L12S 11+50W	1	31	50	194	<.3	26	13	2201	3.07	16	<5	<2	2	19	1.0	2	<2	46	.17	.120	13	27	.39	246	.13	<3	2.05	.01	.10	3	2	<1	1
L12S 11+00W	1	77	20	572	.3	76	12	880	2.87	9	<5	<2	4	58	3.5	2	4	38	.84	.038	21	40	.55	158	.20	<3	4.62	.07	.10	<2	3	<1	<1
L12S 10+50W	1	38	43	219	<.3	35	14	1678	3.04	13	<5	<2	2	27	1.1	<2	3	48	.29	.149	12	38	.54	373	.13	<3	2.73	.01	.12	5	1	<1	2
L12S 10+00W	3	49	21	209	<.3	45	17	3515	2.72	6	<5	<2	2	44	1.0	<2	<2	37	.54	.117	11	33	.44	571	.10	<3	2.08	.02	.11	<2	5	<1	<1
RE L12S 10+00W	2	49	19	210	<.3	45	17	3447	2.69	5	<5	<2	<2	43	1.1	<2	<2	37	.53	.117	11	32	.44	526	.10	<3	2.05	.02	.11	<2	4	<1	1
L12S 9+50W	1	28	110	177	<.3	26	13	982	2.39	18	<5	<2	<2	36	2.7	2	2	35	.47	.059	12	30	.67	210	.12	3	2.05	.04	.12	7	2	<1	3
L12S 9+00W	2	31	24	171	<.3	51	17	485	3.10	13	<5	<2	5	23	.5	<2	<2	51	.30	.102	17	120	.78	3669	.15	<3	3.42	.02	.19	<2	2	<1	2
L12S 8+75W	<1	26	28	297	<.3	34	27	4301	4.60	8	<5	<2	<2	32	.9	2	4	75	.69	.148	11	62	1.06	821	.24	<3	2.58	.05	.28	<2	12	<1	2
L12S 8+50W	1	28	23	226	<.3	71	24	2940	3.86	13	<5	<2	2	24	.4	<2	3	58	.36	.161	10	86	.84	630	.19	<3	2.85	.02	.16	<2	4	<1	17
L12S 8+00W	<1	32	22	190	<.3	109	22	1248	3.78	11	<5	<2	3	16	.2	<2	3	58	.31	.143	10	141	1.17	445	.27	<3	3.47	.03	.15	<2	9	<1	1
L12S 7+50W	1	24	33	175	<.3	51	16	999	3.40	10	<5	<2	3	21	.4	<2	3	54	.28	.094	12	59	.77	418	.19	<3	2.94	.02	.17	2	3	<1	2
L12S 7+00W	1	27	28	190	<.3	61	13	775	3.10	12	<5	<2	6	20	1.1	<2	4	69	.59	.306	16	59	.90	694	.18	<3	4.13	.02	.13	<2	3	<1	3
L12S 6+50W	<1	22	68	276	<.3	39	8	1666	2.10	13	<5	<2	2	35	2.4	<2	3	67	2.29	.381	18	85	.69	2779	.07	7	2.41	.02	.13	3	4	<1	2
L12S 6+00W	1	59	63	211	1.2	70	25	1257	4.57	62	<5	<2	6	27	.6	3	49	77	.54	.172	18	65	.79	1317	.14	<3	3.56	.02	.20	2	4	<1	130
L12S 5+50W	1	33	40	217	<.3	51	19	3124	3.53	13	<5	<2	4	37	1.0	<2	4	57	.54	.189	12	42	.59	576	.17	<3	3.35	.03	.17	2	4	<1	2
L12S 5+00W	1	28	18	161	<.3	65	20	1490	3.79	9	<5	<2	5	33	.3	<2	2	49	.52	.078	17	53	.73	335	.17	<3	3.30	.01	.23	<2	5	<1	2
L12S 4+75W	1	28	19	165	<.3	65	17	1639	3.56	16	<5	<2	6	28	.3	<2	3	48	.34	.095	15	59	.77	440	.17	<3	3.32	.02	.22	<2	3	<1	3
L12S 4+50W	<1	36	26	576	.3	98	27	1201	4.67	6	9	<2	10	23	2.4	<2	2	65	.44	.157	11	136	1.52	403	.32	<3	3.48	.02	.45	<2	12	<1	1
L15S 4+00E	10	147	227	2626	.8	30	11	515	8.82	57	<5	<2	8	15	2.6	8	6	89	.32	.174	14	47	.91	268	.13	<3	2.07	.02	.29	192	2	<1	14
L15S 4+50E	1	36	49	429	.9	34	9	442	2.65	7	<5	<2	6	17	3.2	<2	3	141	.41	.261	16	44	.70	299	.13	4	3.10	.01	.15	4	<1	<1	3
L15S 5+00E	3	67	41	317	.4	42	9	312	2.41	5	<5	<2	7	21	1.5	<2	2	249	.68	.211	21	51	.97	436	.11	<3	2.43	.01	.22	2	2	<1	3
L15S 5+50E	3	62	51	392	.4	39	9	512	2.57	5	<5	<2	13	21	2.5	<2	2	228	.60	.162	25	51	1.04	450	.10	<3	2.36	.01	.18	2	3	<1	2
L15S 6+00E	5	117	99	434	1.2	73	13	808	3.61	6	<5	<2	11	36	6.0	<2	2	349	.90	.266	24	85	1.57	734	.16	<3	3.34	.02	.25	3	6	<1	4
L15S 6+50E	5	83	27	404	.6	47	9	208	2.57	4	<5	<2	5	21	1.7	<2	2	285	.65	.292	17	50	.93	364	.11	<3	2.33	.01	.13	4	3	<1	2
STANDARD C/AU-S	19	60	39	122	8.1	69	32	1040	3.98	43	18	7	38	52	18.6	18	16	57	.51	.095	38	61	.92	187	.08	26	1.88	.06	.16	9	4	3	52

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L15S 7+00E	4	86	36	797	1.6	88	15	516	2.98	7	<5	<2	7	26	3.3	5	<2	264	.34	.255	16	41	.74	334	.12	<3	3.26	.02	.10	<2	<1	<1	<1
L15S 7+50E	2	30	42	708	1.9	62	13	1311	2.16	9	<5	<2	3	31	6.9	5	3	92	.34	.276	12	23	.47	415	.08	<3	2.89	.02	.11	<2	<1	<1	3
L15S 8+00E	3	105	33	846	.5	103	25	739	3.60	<2	<5	<2	9	71	9.3	2	<2	190	.73	.186	15	58	1.05	395	.14	3	6.11	.01	.21	<2	<1	2	2
L15S 8+50E	10	264	16	1010	.9	187	21	370	4.68	4	9	<2	15	37	3.5	2	<2	375	.33	.210	24	62	1.35	433	.13	<3	4.63	.01	.25	<2	1	1	3
RE L15S 8+50E	10	255	18	988	.9	181	20	360	4.53	2	7	<2	13	37	3.6	<2	<2	365	.32	.206	24	59	1.32	422	.13	<3	4.50	.01	.23	<2	<1	<1	3

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-3308 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
#1-1	2	84	12	160	.4	100	28	392	4.64	2	<5	<2	<2	68	1.4	<2	3	61	1.38	.107	2	143	.91	92	.36	<3	1.65	.21	.48	<2	5	<1	.003
#1-2	2	5	7	47	<.3	29	8	589	2.78	8	<5	<2	11	6	<.2	<2	<2	43	.10	.030	32	44	.64	108	.16	3	1.48	.03	1.30	<2	4	<1	<.001
#1-3	17	345	66	795	1.6	13	157	3350	57.54	5092	6	3	<2	5	4.4	32	<2	21	.26	.022	5	10	.08	93	<.01	5	.17	<.01	.02	15	6	<1	<.001
#1-4	3	398	27	5	.6	3	73	5334	35.93	56	8	<2	<2	4	.4	7	2	1	.41	.009	1	5	.13	4	<.01	4	.03	<.01	.01	<2	8	<1	.005
#1-5	2	406	9	20	.8	10	304	496	37.13	7	<5	<2	2	2	.4	<2	13	15	.03	.010	1	9	.54	6	<.01	4	.89	<.01	.01	<2	<1	<1	.002
#1-6	4	116	12	12	.4	12	8	488	3.79	8	<5	<2	<2	5	<.2	<2	3	5	.07	.010	<1	18	.11	18	<.01	<3	.14	<.01	.03	4	1	<1	<.001
D11	4	29	40	1124	.7	10	1	83	.97	<2	<5	<2	<2	9	9.3	<2	<2	57	.71	.077	1	20	.34	73	.01	<3	.24	.01	.08	2	<1	<1	<.001
D12	4	20	3	13	<.3	13	1	59	1.87	<2	<5	<2	<2	5	<.2	<2	<2	9	.06	.015	<1	18	.03	239	.01	<3	.10	<.01	.01	10	1	<1	<.001
D13	8	43	22	27	1.1	4	12	195	4.89	3	<5	<2	3	36	<.2	<2	<2	63	.91	.162	11	2	.68	28	.17	<3	1.63	.16	.10	<2	<1	<1	<.001
RE D13	8	43	25	26	.9	4	12	194	4.89	<2	<5	<2	3	37	<.2	<2	<2	62	.92	.164	11	2	.68	29	.17	<3	1.65	.17	.10	<2	1	<1	<.001
RRE D13	1	43	25	19	1.1	4	12	156	4.85	2	<5	<2	2	35	<.2	<2	6	64	.91	.163	12	2	.69	28	.17	<3	1.63	.16	.10	<2	1	<1	.002
L5	3	20	355	11	21.9	14	5	329	.96	8	<5	11	2	2	<.2	10	2265	4	.05	.013	6	12	.04	57	<.01	4	.23	.01	.12	2	2	<1	.289
L6	4	21	44	5	21.1	11	1	160	.97	<2	<5	62	<2	4	<.2	19	9256	3	.11	.019	<1	12	.02	47	<.01	<3	.05	.01	.01	65	1	<1	.898
STANDARD C/AU-1	17	58	36	130	6.6	65	31	1053	3.78	42	18	7	35	48	17.8	18	20	62	.47	.090	42	62	.86	177	.08	27	1.71	.06	.14	10	1	<1	.098

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P4 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 6 1995 **DATE REPORT MAILED:** Sept 12/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L15S 9+00E	4	101	26	632	1.3	72	15	467	3.34	15	<5	<2	6	28	3.6	2	3	227	.33	.308	16	58	1.11	304	.13	4	3.82	.02	.13	2	<1	1	<1
L15S 9+50E	3	51	33	528	1.0	47	11	498	2.83	4	<5	<2	5	22	2.1	<2	8	170	.31	.240	14	39	.62	298	.13	4	2.66	.01	.09	<2	<1	<1	1
L15S 10+00E	3	46	36	667	1.0	50	14	1248	3.02	12	<5	<2	4	21	2.7	2	3	155	.28	.180	15	40	.63	276	.13	4	2.18	.02	.09	<2	<1	<1	1
L15S 10+50E	3	42	37	851	1.5	64	14	942	3.32	7	<5	<2	4	26	3.2	<2	<2	152	.32	.253	14	45	.72	376	.15	4	2.99	.02	.10	<2	3	<1	1
L15S 11+00E	2	32	33	823	1.7	59	13	687	2.93	14	<5	<2	5	29	6.2	2	3	88	.32	.254	13	58	.61	259	.17	3	3.44	.03	.10	<2	<1	<1	1
L15S 11+50E	5	79	37	1260	1.5	125	18	489	3.68	8	<5	<2	7	27	3.6	<2	4	172	.31	.229	15	37	.70	315	.14	<3	3.99	.01	.11	<2	<1	<1	1
L15S 12+00E	4	116	56	1349	2.6	148	67	994	3.97	12	<5	<2	<2	36	8.1	3	6	174	.42	.139	18	35	.65	226	.08	<3	3.25	.02	.12	<2	<1	<1	1
L15S 12+50E	3	37	25	760	1.8	44	13	584	3.52	8	<5	<2	3	26	2.8	<2	3	154	.36	.258	9	35	.78	238	.14	4	4.02	.02	.09	<2	<1	<1	1
L15S 13+00E	9	127	39	587	2.3	54	10	613	5.02	7	<5	<2	4	31	3.2	<2	5	229	.37	.271	9	47	.98	260	.10	<3	3.71	.02	.12	<2	<1	<1	1
L15S 13+25E	8	111	20	593	1.8	55	9	305	4.42	<2	<5	<2	5	18	1.4	<2	4	169	.20	.221	12	39	.80	133	.15	<3	4.74	.02	.08	<2	2	1	2
L15S 13+50E	5	71	33	367	.7	34	6	301	3.76	15	<5	<2	4	20	.9	<2	<2	204	.30	.209	9	48	.79	176	.13	4	2.16	.01	.08	<2	<1	<1	2
L15S 14+00E	9	88	26	338	.9	25	5	547	4.15	12	<5	<2	2	23	1.9	<2	2	243	.30	.193	9	43	.77	220	.09	3	2.65	.01	.09	<2	2	1	2
L19S 4+00E	1	26	53	437	.6	29	10	910	3.08	12	<5	<2	7	18	3.8	<2	2	74	.37	.228	17	30	.80	264	.17	<3	4.65	.02	.11	<2	3	<1	2
L19S 4+50E	3	68	49	541	.6	60	11	320	3.49	13	<5	<2	11	19	2.3	2	<2	190	.30	.189	22	49	1.04	193	.14	<3	3.80	.01	.17	3	1	1	2
RE L19S 4+50E	3	68	48	532	.5	63	12	312	3.43	5	<5	<2	12	19	1.9	<2	3	188	.29	.186	22	49	1.03	183	.14	4	3.74	.01	.17	3	<1	<1	4
L19S 5+00E	4	62	43	1059	1.9	82	15	472	3.32	6	<5	<2	8	18	3.5	<2	5	170	.29	.158	16	35	.62	191	.16	3	4.36	.02	.12	<2	2	<1	2
L19S 5+50E	5	80	55	680	1.2	77	10	663	3.15	7	<5	<2	2	17	2.0	<2	3	139	.23	.213	17	34	.61	128	.11	<3	4.23	.01	.14	<2	<1	<1	2
L19S 6+00E	4	70	27	480	.6	62	12	634	3.40	5	<5	<2	5	15	1.3	<2	<2	116	.16	.196	14	38	.59	148	.16	<3	3.54	.02	.09	<2	<1	1	3
L19S 6+50E	6	76	32	1032	2.7	99	17	1016	3.61	44	7	<2	5	25	7.1	<2	4	124	.29	.584	14	34	.73	536	.16	4	4.88	.02	.09	<2	<1	1	3
L19S 7+00E	3	46	51	808	.7	50	11	1702	2.92	15	<5	<2	4	30	7.6	<2	6	77	.45	.235	10	20	.38	555	.15	5	2.22	.02	.11	<2	<1	<1	3
L19S 7+50E	5	69	69	722	1.0	60	13	1009	3.22	21	<5	<2	<2	22	3.7	2	3	122	.27	.172	15	30	.58	165	.11	6	2.39	.01	.13	<2	<1	1	5
L19S 8+00E	4	79	29	495	1.2	61	13	693	3.68	16	<5	<2	3	42	1.3	<2	<2	115	.31	.227	14	44	.90	220	.17	3	2.46	.02	.12	<2	<1	<1	3
L19S 8+50E	18	90	29	471	1.1	71	9	403	4.59	10	10	<2	4	42	1.6	<2	5	143	.18	.167	11	28	.54	138	.13	<3	3.89	.01	.09	2	3	<1	3
L19S 9+00E	11	82	35	472	.8	61	11	770	3.53	18	8	<2	<2	27	1.6	<2	3	129	.16	.198	12	27	.49	145	.08	<3	3.36	.02	.12	<2	4	2	6
L19S 9+50E	10	81	65	398	1.9	53	7	593	3.26	16	9	<2	<2	33	2.4	3	2	186	.18	.223	12	33	.52	189	.08	3	2.47	.02	.12	2	3	1	3
L19S 10+00E	5	103	64	698	1.1	71	9	680	2.94	15	5	<2	2	42	3.4	2	<2	247	.47	.213	15	42	.75	260	.08	4	3.03	.01	.13	<2	1	<1	3
L19S 10+50E	8	96	50	529	1.2	64	9	425	3.08	11	6	<2	<2	18	1.7	<2	<2	203	.17	.173	14	40	.83	112	.05	4	2.87	.01	.11	<2	2	2	3
L19S 11+00E	7	117	36	431	1.2	48	8	394	3.22	15	10	<2	<2	26	1.5	2	3	224	.24	.234	12	48	1.02	141	.08	<3	3.13	.01	.12	<2	<1	<1	3
L19S 11+50E	6	109	38	547	.8	74	17	772	3.21	14	<5	<2	<2	19	2.2	2	<2	145	.19	.212	16	42	.76	120	.07	<3	3.30	.01	.14	<2	1	<1	3
L19S 12+00E	6	120	36	350	.8	43	11	847	3.98	13	7	<2	<2	16	1.6	4	<2	116	.17	.161	11	27	.44	187	.08	4	2.14	.01	.09	11	<1	1	3
L19S 12+25E	5	76	35	259	.6	39	8	727	2.82	12	5	<2	<2	14	.8	2	<2	89	.12	.191	12	22	.39	110	.07	3	3.20	.02	.09	<2	<1	<1	2
L19S 12+50E	8	129	36	300	.7	42	9	673	3.57	16	8	<2	<2	20	1.3	<2	4	104	.17	.238	11	26	.47	127	.07	4	3.43	.01	.11	<2	<1	<1	3
L19S 12+75E	13	224	59	242	1.1	37	10	891	5.14	16	13	<2	<2	27	2.7	3	2	101	.21	.357	8	28	.39	250	.06	<3	2.76	.01	.10	2	2	<1	4
L19S 13+00E	11	141	40	274	.7	44	8	679	4.12	15	9	<2	<2	21	.8	<2	6	149	.18	.244	11	34	.67	159	.08	3	3.31	.01	.11	<2	<1	1	3
L19S 13+50E	10	135	25	186	.5	32	7	638	4.08	15	8	<2	3	17	.7	3	<2	101	.12	.194	10	28	.57	157	.13	<3	3.28	.02	.10	<2	4	<1	3
L19S 14+00E	10	123	37	260	.7	31	7	538	4.61	13	10	<2	3	19	1.1	<2	2	142	.18	.253	10	35	.67	264	.10	<3	2.49	.01	.10	<2	<1	<1	4
STANDARD C/AU-S	19	60	36	133	7.1	66	30	1103	3.90	38	20	6	38	52	16.9	19	21	63	.50	.095	40	61	.91	177	.09	29	1.93	.06	.16	11	2	2	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L23S 2+00W	<1	14	209	386	<.3	23	9	1014	2.94	7	<5	<2	5	32	3.1	<2	4	47	1.23	.154	20	26	1.04	161	.16	10	4.47	.04	.10	2	1	<1	2
L23S 1+50W	1	20	98	410	<.3	28	11	1209	3.31	5	<5	<2	7	20	2.5	<2	3	55	.61	.237	22	31	1.67	196	.17	6	5.18	.03	.15	<2	<1	<1	2
L23S 1+00W	<1	21	91	498	.3	31	10	2218	3.03	<2	<5	<2	7	34	4.3	<2	<2	76	1.69	.434	22	34	2.88	281	.17	10	4.52	.02	.13	<2	1	<1	4
L23S 0+50W	3	23	141	455	<.3	55	10	1925	3.08	11	<5	<2	9	26	4.1	<2	4	92	2.05	.181	23	38	3.71	175	.14	7	4.06	.02	.14	<2	<1	<1	2
RE L23S 0+50W	3	24	150	458	<.3	57	10	1934	3.10	6	<5	<2	8	26	3.9	<2	6	92	2.07	.177	23	39	3.73	174	.14	7	4.09	.02	.14	<2	<1	<1	2
L23S 0+00	1	41	54	252	<.3	74	14	682	3.53	17	<5	<2	8	33	1.9	<2	2	71	1.68	.158	25	60	3.48	296	.21	7	4.36	.03	.25	<2	<1	<1	1
L23S 0+50E	1	25	145	368	<.3	31	10	1275	3.12	45	<5	<2	5	24	2.5	<2	4	67	.75	.198	22	37	1.41	204	.15	4	4.04	.02	.17	<2	<1	<1	2
L23S 1+00E	1	23	86	460	<.3	42	11	1710	3.04	18	<5	<2	6	22	3.5	<2	<2	87	.89	.385	19	37	2.31	270	.16	4	4.32	.03	.13	<2	<1	<1	1
L23S 1+50E	<1	25	106	429	<.3	40	9	1143	2.56	12	<5	<2	6	33	3.1	<2	2	87	1.88	.291	22	38	2.01	195	.14	9	3.77	.03	.18	2	<1	<1	1
L23S 2+00E	1	30	99	590	<.3	97	9	2518	2.80	12	<5	<2	4	35	4.3	<2	6	82	1.63	.512	22	31	2.21	291	.13	8	4.08	.02	.17	6	<1	<1	2
L23S 2+50E	1	32	111	333	.3	43	7	1345	2.51	14	<5	<2	4	39	3.9	<2	<2	42	3.75	.243	38	31	2.36	362	.11	16	3.55	.09	.25	<2	<1	<1	1
L23S 3+00E	1	27	86	322	<.3	33	10	917	3.28	9	5	<2	7	18	2.3	<2	3	70	.82	.478	15	32	1.14	249	.17	4	4.67	.03	.13	<2	<1	<1	2
L23S 3+50E	6	51	46	361	2.5	34	8	649	4.12	15	<5	<2	4	24	2.0	4	4	149	.18	.173	14	35	.75	144	.11	3	2.54	.01	.16	<2	<1	<1	3
L23S 4+00E	4	65	50	1270	.8	109	28	1282	3.50	8	<5	<2	4	21	9.0	2	2	200	.44	.183	17	40	.82	170	.11	7	2.82	.02	.14	<2	<1	<1	<1
L23S 4+50E	4	75	38	1004	.9	96	16	847	3.52	11	<5	<2	5	25	6.2	<2	2	155	.43	.342	14	32	.66	286	.13	3	3.40	.01	.14	<2	<1	1	2
L23S 5+00E	2	40	56	670	1.4	33	10	1594	3.20	16	<5	<2	3	30	8.8	<2	<2	67	.42	.448	11	21	.40	565	.11	4	3.02	.02	.10	<2	6	<1	1
L23S 5+50E	3	40	103	1642	.8	76	14	2452	3.41	33	<5	<2	6	32	18.3	4	<2	120	.39	.192	17	40	.72	621	.10	6	2.38	.02	.15	<2	<1	<1	1
L23S 6+00E	3	76	46	773	1.4	83	13	400	3.28	15	<5	<2	10	18	4.2	<2	3	185	.35	.190	22	50	1.02	407	.13	4	3.23	.02	.16	2	<1	<1	2
L23S 6+50E	3	61	40	2363	.6	149	17	826	3.58	6	<5	<2	5	23	12.2	2	<2	138	.30	.225	15	33	.67	300	.16	6	3.65	.02	.13	<2	<1	<1	2
L23S 7+00E	5	79	43	659	1.0	61	12	930	3.24	9	<5	<2	2	16	2.3	4	3	115	.21	.240	18	31	.58	145	.09	4	3.00	.01	.13	<2	<1	<1	9
L23S 7+50E	12	117	47	811	1.4	106	14	709	3.66	7	9	<2	3	28	3.3	<2	3	148	.25	.254	15	30	.59	158	.12	7	4.48	.02	.12	<2	3	<1	1
L23S 8+00E	8	120	67	1801	1.3	177	28	1160	4.13	<2	9	<2	3	75	9.5	<2	<2	213	.55	.277	20	55	1.01	439	.13	6	3.73	.01	.17	<2	<1	<1	1
L23S 8+50E	5	91	45	1157	2.2	102	23	963	3.61	6	5	<2	3	42	8.2	<2	4	151	.49	.254	16	37	.90	375	.12	6	4.68	.02	.15	<2	1	<1	<1
L23S 9+00E	5	137	43	1382	1.5	156	31	924	3.51	<2	10	<2	3	35	6.9	<2	4	170	.42	.244	20	45	1.05	232	.11	<3	4.27	.01	.16	<2	<1	<1	<1
L23S 9+25E	4	146	28	1781	.8	174	32	982	3.68	<2	5	<2	5	41	13.1	<2	<2	190	.56	.266	17	49	1.11	325	.14	3	4.56	.02	.16	<2	1	<1	1
L23S 9+50E	10	206	41	1255	2.2	144	35	954	4.43	7	9	<2	2	39	10.9	2	4	141	.41	.250	20	34	.69	262	.09	7	4.21	.02	.13	<2	<1	<1	<1
L23S 10+00E	7	224	28	1250	2.6	153	28	785	3.85	<2	6	<2	3	26	7.0	<2	<2	160	.26	.294	18	39	.81	210	.11	<3	4.73	.02	.14	<2	1	<1	2
L23S 10+50E	5	175	25	1691	1.7	157	27	747	3.80	<2	6	<2	5	34	9.6	<2	4	194	.50	.230	17	46	1.02	303	.13	7	4.46	.02	.14	<2	5	<1	1
L23S 11+00E	13	187	57	905	2.9	78	20	838	6.07	<2	14	<2	3	64	10.4	<2	4	209	.62	.466	10	44	.86	555	.08	8	4.31	.01	.16	<2	<1	<1	1
L23S 11+50E	4	164	60	1224	1.6	96	21	828	4.13	9	8	<2	4	48	17.4	<2	<2	185	.60	.316	15	45	1.00	464	.13	4	4.04	.02	.19	<2	<1	<1	1
L23S 12+00E	5	199	36	1374	1.7	133	26	740	3.98	<2	9	<2	4	37	10.1	<2	<2	218	.49	.276	23	50	1.13	290	.12	<3	4.36	.02	.16	<2	<1	<1	<1
L23S 12+25E	5	277	39	1504	1.5	119	30	570	3.68	5	10	<2	2	49	15.2	2	2	233	1.00	.293	16	53	1.31	277	.08	7	3.94	.02	.13	<2	<1	<1	1
L23S 12+50E	6	343	37	1506	2.1	151	36	567	4.29	<2	13	<2	2	47	12.2	<2	3	228	.78	.333	18	53	1.34	268	.07	4	4.25	.02	.13	<2	<1	<1	1
L23S 12+75E	7	302	39	683	1.4	112	30	783	5.17	6	10	<2	2	45	6.3	<2	4	143	.66	.386	15	41	.75	488	.07	8	3.70	.01	.15	<2	<1	<1	1
L23S 13+00E	6	341	40	522	1.6	83	20	578	4.68	10	12	<2	4	32	5.0	2	4	175	.57	.341	15	44	.84	589	.10	4	3.26	.01	.15	3	1	1	1
L23S 13+50E	5	284	22	652	1.1	112	28	705	4.63	5	8	<2	8	38	3.3	<2	6	164	.58	.270	16	45	.86	586	.11	5	3.51	.01	.14	<2	<1	<1	1
STANDARD C/AU-S	19	61	38	139	6.9	64	32	1125	3.96	38	17	6	38	52	18.2	18	22	58	.51	.095	40	61	.92	188	.08	30	1.86	.06	.16	11	<1	1	50

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-3731 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
#1-7	<1	383	16	5	.5	<1	108	6927	28.61	19	25	<2	24	53	<.2	<2	9	2	3.70	.008	<1	8	1.37	12	<.01	<3	.02	<.01	<.01	<2	<5	<1	<.001
#1-8	16	698	7	25	.4	8	254	198	45.23	5	<5	<2	<2	5	1.0	14	<2	3	.02	.019	2	7	.13	5	<.01	<3	.09	<.01	.01	<2	7	<1	<.001
#1-9	16	183	12	18	<.3	7	17	578	34.84	38	<5	<2	5	7	.5	7	2	27	.01	.052	4	14	.16	83	.05	<3	.41	.01	.12	3	<5	<1	<.001
#1-10	4	494	56	198	.6	5	73	940	29.91	59	<5	2	3	5	1.7	8	<2	2	.13	.003	1	5	.12	5	<.01	<3	.04	<.01	<.01	<2	<5	<1	.003
LSB 1	1	23	<3	72	.4	25	6	211	3.85	<2	<5	<2	14	42	<.2	<2	<2	50	1.18	.052	24	68	1.16	105	.23	<3	3.73	.14	1.27	<2	<5	5	<.001
LSB 2	684	19	5	111	<.3	6	3	4174	2.61	2	8	<2	5	20	<.2	3	30	9	1.78	.041	11	19	.14	112	.06	10	.68	.02	.03	1713	<5	<1	<.001
E 1	<1	243	15358	99999	25.1	6	5	270	1.07	10	5	<2	<2	246	923.5	10375	<2	1	11.49	.005	2	4	1.98	10	<.01	5	.02	<.01	<.01	<2	<5	<1	.003
E 2	8	132	8326	4810	14.4	78	13	330	25.47	28	17	<2	<2	27	19.4	94	44	19	2.73	.002	<1	13	1.47	2	<.01	<3	.04	<.01	.01	<2	<5	<1	.002
E 3	12	5	127	243	<.3	5	1	355	.49	<2	<5	<2	<2	29	1.0	7	<2	1	3.03	.071	1	13	.24	23	.01	6	.15	.01	.04	43	<5	<1	<.001
E 4	20	10	3208	1385	.7	11	1	133	.72	11	<5	<2	13	7	11.5	210	10	1	.30	.043	8	15	.04	23	<.01	6	.18	.04	.06	<2	<5	<1	.001
L 7	6	22	124	44	.6	8	5	697	1.58	10	<5	<2	<2	9	.8	11	551	11	.89	.039	1	12	.02	13	<.01	4	.03	<.01	.01	20	<5	<1	.074
L 8	6	65	1060	95	12.8	15	9	762	3.29	21	<5	<2	<2	47	.8	76	2583	25	2.39	.123	3	14	.10	17	<.01	4	.11	<.01	.04	56	<5	<1	.066
L 9	1	16	23	31	<.3	15	6	361	1.97	4	<5	<2	9	7	.2	<2	10	13	.05	.013	12	22	.31	59	.03	4	.73	.03	.20	2	<5	1	<.001
L 10	9	9	72	95	<.3	31	4	1663	1.79	17	<5	<2	3	19	.4	2	<2	23	.98	.370	12	21	.05	82	<.01	14	.27	.01	.15	<2	<5	<1	<.001
L 11	5	8	34	58	<.3	30	2	637	1.17	22	<5	<2	<2	6	.3	4	18	8	.19	.068	3	15	.02	33	<.01	7	.09	<.01	.05	3	<5	<1	<.001
L 12	3	7	8	89	<.3	16	4	1001	1.35	9	<5	<2	2	32	.5	2	<2	16	1.03	.161	3	17	.10	55	.02	7	.32	<.01	.06	5	<5	<1	<.001
L 13	5	7	15	10	<.3	13	1	268	.59	3	<5	<2	<2	1	.2	2	<2	1	.02	.006	1	15	.01	19	<.01	6	.05	<.01	.01	<2	<5	<1	<.001
EJPIT 1	513	22	7	4587	.4	9	5	1402	.96	<2	<5	<2	7	100	30.6	<2	249	2	11.65	.008	4	4	3.21	62	.01	6	.26	.01	.09	77	<5	<1	.016
RE EJPIT 1	547	21	7	4537	.3	9	5	1379	.93	<2	<5	<2	6	98	30.4	<2	225	2	11.43	.009	4	5	3.14	61	.01	5	.25	.01	.08	97	<5	<1	.014
RRE EJPIT 1	521	23	8	4760	.4	11	5	1448	.98	<2	<5	<2	6	104	31.5	<2	252	2	12.13	.009	5	6	3.32	64	.01	5	.27	.01	.09	87	<5	<1	.015
D 15	3383	23	9	48	.4	7	8	953	2.20	13	10	<2	14	51	.4	<2	56	10	1.57	.089	14	17	.38	36	.04	6	.70	.06	.20	448	<5	1	.007
D 16	9	562	7	10	1.9	41	169	303	28.99	54	12	<2	2	12	<.2	4	4	4	.22	.014	1	11	.31	9	.01	5	.18	<.01	.11	559	<5	<1	<.001
D 17	6	90	<3	272	.8	31	9	121	3.51	<2	<5	<2	5	175	3.1	<2	<2	15	2.75	.033	8	19	.25	36	.06	3	4.06	.27	.07	23	<5	2	<.001
D 18	1	452	8	21	1.7	6	42	78	34.47	77972	16	<2	<2	6	<.2	18	56	2	.39	.014	<1	3	.13	6	<.01	4	.04	<.01	<.01	3	5	<1	.016
D 19	846	57	3	97	<.3	7	3	5869	3.33	67	<5	<2	10	13	.3	<2	18	8	4.92	.144	6	11	.29	21	.04	3	1.54	.01	<.01	58	<5	1	.002
D 20	666	98	5	98	.8	8	10	3517	12.25	16	9	<2	11	39	<.2	<2	129	11	1.35	.077	13	18	.31	70	.03	<3	1.29	.05	.24	151	<5	<1	.005
D 21	642	14	7	497	.5	9	5	2273	1.65	16	5	<2	25	66	6.6	<2	5	7	2.87	.039	24	9	.66	76	.09	4	.84	.02	.05	27	<5	1	<.001
D 22	32	43	6	182	<.3	19	9	274	1.50	13	<5	<2	4	69	1.9	<2	<2	10	.80	.015	6	22	.27	35	.06	5	1.01	.05	.09	4	<5	<1	<.001
STANDARD C/AU-1	20	57	35	124	6.4	64	32	1043	3.83	41	17	7	39	49	18.1	18	20	58	.48	.089	38	58	.87	183	.08	27	1.75	.06	.13	10	<5	4	.100

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 25 1995 **DATE REPORT MAILED:** Oct 4/95 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
SOIL A	3	70	133	941	1.4	64	10	1367	3.62	23	<5	<2	12	35	5.1	<2	6	212	1.44	.418	27	39	1.31	303	.10	3	2.70	.01	.26	8	<5	<1	18
SOIL B	2	52	69	914	1.8	50	6	913	3.77	49	<5	<2	11	27	2.2	<2	8	147	.76	.221	24	30	1.94	405	.13	4	3.12	.02	.29	8	<5	<1	17
SOIL C	60	73	124	128	3.8	51	6	4234	21.44	2219	<5	<2	22	17	.8	47	11	55	.46	.311	19	21	2.23	319	.03	<3	1.52	<.01	.43	15	<5	<1	273
S 15	457	126	111	2443	1.3	21	26	3417	6.10	332	7	<2	33	37	16.9	7	7	27	.82	.064	20	19	.51	139	.02	6	1.32	.01	.16	382	5	<1	47
S 16	147	230	171	2305	1.1	33	48	2909	12.01	84	<5	<2	19	45	12.2	2	10	42	2.89	.093	13	35	1.68	10	.06	8	1.46	.02	.27	793	<5	<1	33
S 17	161	284	105	1054	1.0	31	54	3172	14.40	60	<5	<2	23	60	5.4	<2	25	35	3.30	.082	14	31	2.01	28	.05	5	1.21	.01	.22	731	8	<1	90
MAG 1	2	18	81	553	.6	33	6	2173	2.32	11	<5	<2	7	27	2.6	<2	<2	37	1.00	.222	16	19	1.26	245	.14	5	3.60	.03	.09	<2	<5	<1	3
MAG 2	3	30	44	438	.7	49	9	1260	2.86	38	<5	<2	9	33	2.1	<2	<2	46	.73	.149	19	30	.87	176	.20	5	4.72	.04	.12	<2	<5	<1	1
MAG 3	2	35	22	364	.3	52	11	398	3.10	26	<5	<2	12	25	2.4	<2	<2	72	.39	.145	12	30	.72	237	.21	5	4.61	.03	.14	<2	<5	<1	2
MAG 4	2	43	83	489	.5	66	17	2063	3.50	20	<5	<2	9	32	3.1	<2	<2	76	.74	.201	14	39	1.04	408	.19	4	3.78	.03	.21	<2	<5	<1	7
MAG 5	7	73	109	307	.7	32	9	310	15.09	232	<5	<2	10	26	1.7	7	<2	91	.48	.178	8	31	.73	19	.12	4	1.65	.04	.29	68	<5	<1	12
MAG 7	2	86	32	532	1.2	52	11	591	3.11	13	<5	<2	13	32	3.1	<2	<2	128	.71	.163	18	39	1.06	317	.18	4	3.93	.03	.16	<2	<5	<1	2
MAG 8	1	13	70	941	<.3	20	8	1970	2.85	8	<5	<2	9	26	4.1	2	2	34	.90	.265	12	21	.40	261	.17	4	3.38	.02	.09	<2	<5	<1	1
MAG 9	2	28	101	715	.6	31	9	1031	2.64	8	<5	<2	8	27	5.6	<2	<2	81	.41	.243	10	25	.50	329	.21	3	4.35	.04	.13	<2	<5	<1	1
MAG 10	4	49	596	2696	1.2	51	11	527	3.25	24	<5	<2	11	49	17.8	2	2	81	2.88	.107	19	33	2.15	217	.16	3	3.43	.04	.23	<2	<5	<1	5
MAG 11	2	23	151	872	<.3	26	8	791	2.97	6	<5	<2	8	24	5.9	<2	<2	46	.44	.217	12	21	.42	212	.20	5	4.78	.04	.13	<2	<5	<1	1
MAG 12	10	39	180	993	.5	45	14	534	6.52	21	<5	<2	9	28	4.4	<2	<2	62	.59	.385	14	50	.96	201	.19	3	4.63	.02	.24	8	<5	<1	4
MAG 13	3	39	852	3571	1.0	51	12	1344	3.67	10	<5	<2	9	36	13.0	2	<2	64	.78	.169	20	36	.80	225	.18	5	4.00	.04	.20	<2	<5	<1	5
MAG 14	2	25	73	522	.5	33	10	1175	2.88	12	<5	<2	10	26	3.3	<2	<2	52	.47	.138	16	28	.49	254	.21	6	4.57	.03	.15	5	<5	<1	1
MAG 15	3	51	50	315	.4	63	14	374	3.67	20	<5	<2	14	23	.9	3	2	81	.32	.104	19	47	.88	313	.21	3	4.67	.02	.20	<2	<5	<1	2
MAG 16	2	55	41	270	.4	57	18	463	4.20	8	<5	<2	16	26	.5	<2	<2	90	.37	.088	24	45	.96	177	.17	3	3.82	.01	.21	14	<5	<1	2
MAG 17	2	51	42	300	.4	55	15	380	3.72	11	<5	<2	14	28	.7	2	<2	84	.35	.077	22	46	.93	283	.17	<3	3.49	.02	.21	<2	<5	<1	2
RE MAG 17	2	51	41	301	.4	55	15	380	3.69	16	<5	<2	14	28	.9	3	3	83	.35	.076	22	47	.94	287	.17	3	3.49	.02	.21	2	<5	<1	3
MAG 18	2	49	56	358	.4	54	16	511	3.83	18	<5	<2	15	27	.9	<2	<2	80	.36	.068	22	42	.88	261	.18	<3	3.96	.02	.19	<2	<5	<1	3
L14S 8+00W	2	46	21	221	<.3	54	19	1354	3.73	5	<5	<2	9	27	.9	<2	<2	52	.36	.079	18	35	.64	430	.20	4	4.81	.03	.14	<2	<5	<1	2
L14S 7+50W	3	28	46	801	.4	85	12	1612	2.95	7	<5	<2	8	26	6.3	<2	<2	198	.53	.212	14	56	.82	873	.14	3	3.09	.02	.15	<2	<5	<1	2
L14S 7+37W	1	42	152	594	1.5	60	11	1181	2.66	6	<5	<2	11	48	5.6	<2	3	107	1.76	.355	28	38	.83	1998	.12	4	3.77	.03	.11	<2	<5	<1	4
L14S 7+25W	1	47	54	264	.8	50	19	883	2.67	<2	<5	<2	11	42	3.1	<2	5	61	1.86	.390	35	30	.84	6216	.12	4	3.70	.03	.18	<2	<5	<1	5
L14S 7+00W	1	30	40	251	.6	46	24	1159	2.19	2	<5	<2	9	60	2.8	<2	16	52	2.03	.470	29	27	.83	9605	.11	5	3.31	.03	.19	3	<5	1	27
L14S 6+50W	2	61	47	416	.4	69	26	3551	3.86	17	<5	<2	7	66	3.0	3	2	47	1.36	.209	18	31	.59	1237	.11	7	2.90	.03	.18	12	<5	<1	4
L14S 6+00W	20	196	45	438	.9	129	49	6024	11.26	74	<5	<2	28	35	.9	6	5	71	.66	.142	41	29	.57	512	.04	4	1.62	.01	.20	15	<5	1	31
L14S 5+50W	1	31	17	234	.3	62	16	1019	4.04	6	<5	<2	10	26	.3	2	2	51	.36	.231	14	55	.76	402	.22	4	4.25	.02	.24	<2	<5	<1	3
L14S 5+00W	1	24	27	307	.4	51	13	794	3.59	356	<5	<2	10	16	.4	3	2	39	.21	.147	14	35	.50	236	.18	<3	3.70	.02	.14	<2	<5	<1	7
L14S 4+50W	2	25	33	293	.3	63	13	270	3.44	15	<5	<2	10	18	.6	5	<2	47	.35	.034	18	47	.64	216	.16	3	3.70	.02	.14	<2	<5	1	4
STANDARD C/AU-S	21	57	37	132	6.3	65	32	1087	4.20	41	18	7	41	54	17.9	18	19	56	.51	.091	41	59	.91	176	.09	26	1.98	.06	.16	11	<5	<1	52

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L16S 8+00W	2	40	33	240	.4	108	20	1197	4.37	11	<5	<2	8	27	.3	2	8	58	.39	.076	17	72	1.06	279	.22	<3	3.46	.02	.28	3	1	<1	8
L16S 7+50W	2	37	20	161	<.3	68	16	845	3.75	11	<5	<2	8	21	.4	2	3	60	.30	.087	16	66	.84	462	.23	3	4.77	.02	.18	<2	2	<1	3
L16S 7+00W	2	72	14	216	.3	101	24	752	4.64	16	<5	<2	9	24	.8	<2	7	88	.42	.138	20	98	1.22	902	.30	<3	5.31	.03	.32	<2	3	<1	4
L16S 6+50W	4	97	20	337	<.3	100	37	1460	5.86	19	<5	<2	9	23	.2	2	6	77	.56	.169	14	124	1.35	354	.32	<3	3.28	.02	.47	<2	4	<1	10
L16S 6+00W	2	28	23	258	<.3	65	18	2110	3.99	68	<5	<2	5	18	1.0	3	<2	53	.27	.265	11	57	.78	469	.24	<3	4.40	.03	.21	<2	4	<1	2
L16S 5+50W	2	17	31	214	<.3	36	13	1090	3.27	17	<5	<2	7	17	.4	4	<2	42	.27	.178	12	44	.54	270	.20	<3	2.48	.02	.17	<2	<1	<1	1
L16S 5+15W	7	29	28	189	.3	49	16	420	4.54	108	<5	<2	4	19	<.2	5	2	48	.30	.041	10	35	.33	163	.16	3	2.79	.02	.12	5	<1	<1	1
L16S 4+50W	3	26	21	351	.4	37	11	346	3.13	14	<5	<2	6	13	.6	<2	<2	62	.14	.096	9	30	.48	224	.18	<3	4.83	.02	.08	<2	1	<1	2
L23S 6+00W	1	13	99	286	.3	22	7	1846	2.48	12	<5	<2	4	23	.9	<2	<2	52	.93	.245	18	24	2.60	418	.16	5	4.52	.02	.11	3	3	<1	1
L23S 5+50W	4	17	86	361	<.3	44	10	851	2.93	11	<5	<2	6	17	.7	<2	<2	46	.29	.176	13	35	.71	214	.15	<3	2.95	.02	.18	9	<1	<1	1
L23S 5+00W	11	33	9192	5125	1.4	34	9	657	3.36	12	<5	<2	6	45	21.8	9	<2	42	2.30	.083	18	34	1.82	222	.14	<3	2.63	.02	.33	9	<1	<1	8
RE L23S 5+00W	11	35	9550	5227	1.8	35	9	656	3.38	15	<5	<2	7	47	22.8	12	<2	42	2.38	.084	19	34	1.87	227	.14	<3	2.64	.02	.33	7	1	<1	7
L23S 4+50W	2	18	538	1541	<.3	37	12	3016	3.84	13	<5	<2	8	27	6.0	3	3	49	.68	.269	13	34	.74	338	.18	3	4.14	.03	.23	<2	7	<1	2
L23S 4+00W	2	12	100	559	<.3	32	8	1986	2.60	11	<5	<2	6	26	1.8	3	<2	48	.73	.165	13	29	.61	297	.14	3	2.64	.02	.18	14	<1	<1	1
L23S 3+50W	5	15	178	731	<.3	20	10	2865	3.09	17	<5	<2	4	31	2.9	7	<2	44	.97	.070	13	28	.81	263	.15	4	2.44	.02	.11	15	<1	<1	<1
L23S 3+00W	9	24	426	1320	<.3	40	11	1708	4.02	19	<5	<2	8	27	4.4	7	4	65	.76	.126	18	39	1.04	229	.17	3	3.48	.02	.17	5	3	<1	1
STANDARD C/AU-S	20	64	42	135	6.9	72	32	1018	4.14	43	17	5	41	56	17.7	21	20	59	.53	.095	42	61	.96	194	.09	27	1.92	.06	.16	9	<1	1	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4278 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Lindy Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
ROCK A	3	8	9	101	.3	16	3	1907	.90	14	<5	<2	10	107	.7	<2	2	73	7.14	.718	19	17	.97	445	.03	5	2.01	.06	.25	<2	<5	1	<.001
ROCK B	1	2	7	175	<.3	10	2	1763	.74	3	<5	<2	4	41	.8	<2	4	42	2.05	.212	12	14	.89	492	.05	<3	1.21	.07	.19	79	5	1	<.001
ROCK C1	41	61	49	39	1.0	8	3	5902	17.23	1101	6	<2	7	12	.7	34	10	303	.16	.169	2	13	.05	439	<.01	<3	.12	<.01	.06	5	<5	1	.003
ROCK C2	43	52	335	33	1.3	5	3	45647	8.12	457	45	2	<2	32	.4	38	9	37	.28	.092	3	16	.05	1723	<.01	5	.07	<.01	.02	<2	5	<1	.002
ROCK C3	40	33	116	53	1.7	7	5	998	37.98	2386	15	<2	4	11	<.2	17	5	84	.14	.275	3	19	.14	135	.01	<3	.18	<.01	.06	36	<5	<1	.005
RE ROCK C3	41	34	117	53	1.9	8	5	1004	38.59	2421	14	<2	4	11	1.2	21	5	85	.14	.278	4	22	.15	136	.01	<3	.18	<.01	.06	36	5	<1	.005
RRE ROCK C3	40	34	117	58	1.8	7	5	1037	38.81	2420	14	<2	5	12	.7	20	6	83	.16	.281	3	20	.15	141	.01	<3	.19	<.01	.06	36	6	<1	.005
ROCK D	10	37	23	154	<.3	30	2	500	1.36	45	<5	<2	<2	4	.8	7	<2	156	.09	.037	6	15	.08	81	<.01	4	.29	<.01	.09	<2	<5	1	<.001
ROCK E	8	294	89	229	1.8	65	12	<2	3.74	34	<5	<2	6	17	2.1	<2	<2	375	1.29	.178	4	43	.59	34	.12	3	2.27	.02	.29	2	<5	3	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P8 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 1995 **DATE REPORT MAILED:** Nov 1/95 **SIGNED BY:** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L103N 30+00E	1	27	14	299	.3	26	13	1532	3.20	14	<5	<2	3	29	1.0	<2	3	43	.44	.134	9	26	.33	205	.17	<3	3.61	.03	.09	2	<5	2	2
L103N 30+50E	2	49	11	117	.3	45	13	345	3.65	14	<5	<2	8	17	.6	2	<2	53	.16	.106	15	35	.63	179	.16	<3	4.91	.02	.09	3	<5	2	2
L103N 31+00E	1	26	6	187	.3	43	15	599	3.65	9	<5	<2	5	64	.6	<2	<2	63	.93	.085	17	69	1.66	148	.22	<3	5.64	.11	.10	34	<5	2	1
L103N 31+50E	1	39	17	153	.3	47	15	1381	3.47	10	<5	<2	7	20	.7	<2	2	53	.28	.137	18	43	.70	227	.15	<3	3.96	.02	.13	3	<5	1	2
L103N 32+00E	1	28	10	167	<.3	101	18	550	3.64	18	<5	<2	6	16	.7	<2	<2	56	.20	.085	13	94	.96	249	.22	<3	4.19	.02	.12	<2	<5	<1	1
L103N 32+50E	1	26	16	147	<.3	90	17	1064	3.63	15	<5	<2	6	18	.6	<2	<2	57	.26	.097	14	86	1.12	334	.21	<3	3.89	.02	.18	3	<5	1	1
L103N 33+00E	1	34	9	225	<.3	85	23	845	3.73	15	<5	<2	5	17	.5	<2	2	47	.25	.200	11	71	.85	283	.24	<3	5.04	.02	.12	3	<5	2	2
L103N 33+50E	<1	26	15	213	.3	62	17	870	3.56	16	<5	<2	5	21	.6	<2	2	48	.32	.282	13	40	.64	363	.16	<3	3.48	.02	.17	<2	<5	1	3
L103N 34+00E	1	30	16	174	<.3	65	25	1183	4.03	6	<5	<2	4	19	.7	<2	2	53	.28	.104	17	53	.73	302	.19	<3	2.96	.01	.17	<2	<5	<1	2
L103N 34+50E	1	26	12	156	.3	55	17	1121	3.83	11	<5	<2	5	13	<.2	<2	2	56	.16	.112	11	68	.75	281	.24	<3	3.36	.02	.16	2	<5	<1	11
L103N 35+00E	1	31	16	158	.3	53	15	499	3.36	12	<5	<2	6	15	.8	<2	2	52	.21	.081	14	52	.64	351	.22	<3	4.56	.02	.13	<2	<5	<1	3
L103N 35+50E	1	29	20	204	.4	39	11	384	3.13	14	<5	<2	5	13	.6	<2	<2	51	.16	.165	13	32	.47	290	.19	<3	4.66	.02	.12	2	<5	<1	1
L103N 36+00E	2	60	13	201	.3	91	28	585	4.59	56	<5	<2	7	16	.5	<2	8	63	.36	.080	17	74	1.09	317	.22	<3	3.88	.02	.24	13	<5	<1	9
RE L103N 36+00E	1	60	18	199	.4	92	27	571	4.54	57	<5	<2	10	16	.7	<2	10	62	.36	.078	17	74	1.08	310	.22	3	3.81	.02	.24	8	<5	2	33
L103N 36+50E	<1	27	13	144	.3	37	12	561	3.00	26	<5	<2	5	15	.9	<2	<2	38	.22	.207	9	29	.38	265	.21	<3	4.78	.03	.10	<2	<5	2	1
L103N 37+00E	2	24	22	262	.4	47	16	3496	3.99	17	<5	<2	4	15	1.3	<2	<2	54	.24	.127	13	40	.54	229	.19	<3	2.59	.02	.20	<2	<5	<1	3
L103N 37+50E	2	35	32	162	.4	66	6	191	1.66	26	<5	<2	3	42	.8	<2	2	22	.58	.068	8	14	.24	204	.19	<3	4.44	.06	.06	<2	<5	<1	2
L103N 38+00E	2	24	34	369	.5	33	11	605	3.20	13	<5	<2	6	15	1.0	<2	<2	102	.27	.223	9	29	.55	196	.20	<3	3.95	.02	.09	2	<5	<1	1
L103N 38+50E	2	16	37	187	<.3	14	7	608	2.72	10	<5	<2	4	12	.6	<2	<2	46	.18	.115	6	16	.19	177	.17	<3	3.75	.02	.06	<2	<5	1	3
L103N 39+00E	2	24	126	274	<.3	19	7	537	2.50	<2	<5	<2	10	13	1.7	49	3	44	.23	.150	13	17	.34	145	.17	<3	4.27	.03	.08	2	<5	2	2
L101N 30+00E	1	53	21	144	<.3	48	23	544	3.43	18	<5	<2	7	19	1.0	<2	4	45	.23	.103	13	22	.42	144	.20	<3	5.79	.02	.08	2	<5	1	2
L101N 30+50E	1	38	12	154	<.3	43	12	449	3.40	19	<5	<2	5	18	.5	<2	2	42	.21	.081	15	20	.35	251	.22	<3	5.23	.03	.09	<2	<5	<1	2
L101N 31+00E	2	50	9	200	.3	57	22	778	4.15	7	<5	<2	7	39	.3	<2	4	63	.56	.082	14	67	1.66	186	.27	<3	6.32	.06	.12	3	<5	1	2
L101N 31+50E	1	22	10	192	.3	46	14	945	3.16	17	<5	<2	5	18	1.2	<2	3	45	.21	.182	9	39	.49	292	.20	<3	4.24	.02	.14	2	<5	2	1
L101N 32+00E	2	38	18	130	<.3	45	18	628	3.70	11	<5	<2	7	10	.3	<2	<2	52	.11	.106	14	40	.63	189	.20	<3	4.21	.01	.14	2	<5	1	3
L101N 32+50E	1	46	14	205	<.3	89	23	2446	4.71	11	<5	<2	5	24	.8	<2	20	59	.37	.114	15	83	1.08	363	.29	<3	4.70	.02	.27	62	<5	<1	35
L101N 33+00E	1	27	4	49	<.3	52	3	507	1.53	6	<5	<2	3	22	<.2	<2	<2	24	.30	.138	7	15	.17	81	.22	<3	6.25	.04	.04	3	<5	1	2
L101N 33+50E	4	36	15	430	.5	151	24	1163	3.98	35	<5	<2	5	29	.7	<2	2	50	.45	.120	14	51	.77	207	.23	<3	4.51	.03	.15	2	<5	1	5
L101N 34+00E	1	32	16	151	<.3	114	27	1005	5.44	12	<5	<2	3	18	.6	<2	3	95	.32	.051	9	168	1.95	212	.48	<3	3.74	.02	.44	<2	<5	1	6
L101N 34+50E	1	29	19	150	<.3	55	13	802	3.24	14	<5	<2	5	18	.5	<2	3	47	.21	.133	11	38	.54	287	.20	3	4.27	.02	.16	3	<5	<1	6
L101N 35+00E	3	33	21	140	<.3	51	14	257	3.38	13	<5	<2	6	14	.9	<2	2	53	.17	.067	14	45	.64	327	.19	<3	4.06	.02	.15	3	<5	<1	3
L101N 35+50E	4	32	15	183	<.3	72	15	717	3.60	88	<5	<2	5	14	1.0	<2	<2	56	.17	.130	11	42	.52	187	.21	<3	4.22	.02	.12	2	<5	<1	4
L101N 36+00E	4	35	17	171	.9	29	13	735	2.91	39	<5	<2	4	11	.8	<2	4	48	.11	.191	10	24	.35	181	.17	<3	4.21	.02	.09	3	<5	<1	3
L101N 36+50E	3	21	26	308	.3	12	10	524	2.75	20	<5	<2	3	13	1.9	<2	<2	36	.22	.065	7	13	.19	127	.17	<3	3.14	.02	.07	<2	<5	2	1
L101N 37+00E	2	41	42	479	1.2	43	11	280	3.36	17	<5	<2	6	15	2.5	<2	<2	116	.35	.353	11	33	.65	245	.18	<3	5.29	.02	.13	3	<5	1	2
STANDARD C/AU-S	20	57	37	128	6.0	67	31	1090	4.03	42	19	6	35	49	17.7	16	23	58	.51	.090	38	56	.91	181	.08	27	1.89	.06	.15	10	<5	1	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L101N 37+50E	2	17	42	251	.6	17	7	857	2.72	18	<5	<2	3	18	1.5	<2	<2	62	.30	.195	7	18	.24	206	.19	<3	3.30	.02	.06	4	<5	2	3
L101N 38+00E	2	30	119	536	.5	24	8	567	2.85	10	<5	<2	7	22	1.6	2	3	55	.34	.126	21	29	.62	284	.15	4	3.41	.02	.17	3	<5	<1	4
L101N 38+50E	3	23	77	338	.5	35	11	586	3.58	19	<5	<2	8	26	1.6	<2	6	55	.74	.101	20	44	.89	290	.16	<3	4.23	.03	.28	<2	<5	<1	3
L101N 39+00E	3	31	8	933	<.3	65	20	995	4.87	238	<5	<2	8	61	1.9	<2	5	45	1.73	.046	18	76	1.42	128	.31	<3	6.02	.18	.39	<2	7	3	<1
L101N 39+50E	5	13	13	480	<.3	15	6	1208	2.95	28	<5	<2	4	16	1.6	<2	2	32	.31	.388	6	16	.19	134	.20	3	3.77	.03	.05	81	<5	<1	6
L101N 40+00E	3	16	39	534	<.3	34	11	712	3.25	13	<5	<2	6	22	1.7	<2	3	49	.47	.126	11	33	.62	196	.20	<3	3.92	.02	.14	5	<5	2	<1
L101N 40+50E	2	29	58	409	<.3	28	11	1565	3.98	<2	<5	<2	9	23	1.4	<2	5	51	.52	.119	18	36	2.25	146	.21	<3	5.45	.04	.09	<2	<5	2	1
L101N 41+00E	4	25	244	1839	<.3	34	10	493	3.58	16	<5	<2	11	15	5.8	<2	3	55	.33	.069	23	39	1.19	138	.16	<3	3.91	.02	.15	<2	<5	2	4
L101N 41+50E	8	25	558	489	.3	19	11	1000	4.15	9	<5	<2	5	13	.9	<2	5	54	.22	.129	12	30	.55	108	.19	<3	3.17	.01	.13	2	<5	<1	1
L101N 42+00E	4	23	76	884	<.3	27	10	666	3.32	3	<5	<2	7	20	6.1	<2	5	61	.36	.126	14	30	.89	174	.19	<3	4.42	.02	.12	9	<5	2	1
L101N 42+50E	38	30	49	876	.4	26	10	1611	3.62	6	<5	<2	5	18	6.8	<2	16	58	.41	.243	16	30	.79	227	.15	<3	3.94	.02	.13	29	<5	<1	68
L101N 42+75E	30	45	48	1026	<.3	25	13	5589	5.46	4	<5	<2	5	26	4.8	<2	26	42	.72	.164	13	32	1.83	223	.15	<3	4.00	.03	.12	157	<5	<1	25
L101N 43+00E	14	21	80	1745	<.3	21	8	3027	4.08	10	<5	<2	5	30	5.6	<2	<2	47	.82	.331	14	30	1.26	263	.14	<3	3.75	.02	.10	62	<5	1	5
L101N 43+50E	4	17	165	3785	<.3	30	12	1374	4.69	9	<5	<2	7	23	15.0	<2	5	55	.59	.132	19	36	5.46	151	.18	10	4.59	.02	.08	<2	<5	1	4
L101N 44+00E	2	15	145	2869	<.3	15	9	1416	3.38	9	<5	<2	5	13	4.9	<2	<2	60	.29	.291	11	29	.57	219	.16	<3	3.05	.01	.08	<2	<5	<1	1
L101N 44+50E	3	24	152	714	.5	29	8	984	3.57	14	<5	<2	8	25	3.0	<2	8	100	1.21	.100	23	34	1.90	204	.14	3	3.52	.02	.11	<2	<5	1	4
L101N 45+00E	1	16	102	675	<.3	23	8	3564	2.60	4	<5	<2	3	30	6.3	<2	<2	55	1.96	.282	14	28	1.36	301	.13	3	3.61	.02	.09	<2	<5	1	1
L101N 45+50E	8	31	59	987	.5	30	12	2741	3.50	35	<5	<2	4	26	5.5	<2	3	72	1.05	.158	21	41	.81	385	.13	<3	3.91	.02	.12	8	<5	2	2
L101N 46+00E	2	31	87	2257	.6	35	9	826	3.73	7	<5	<2	5	17	3.3	<2	<2	94	.39	.201	14	34	1.04	317	.14	<3	4.58	.02	.14	<2	<5	2	1
L101N 46+50E	2	31	61	443	.3	33	9	682	2.83	10	<5	<2	4	17	2.8	3	<2	113	.50	.188	19	34	.79	275	.11	3	2.98	.01	.10	2	<5	<1	4
L101N 47+00E	1	123	28	2134	3.3	185	13	952	3.35	10	<5	<2	3	24	27.5	3	3	211	.49	.162	31	51	.94	433	.08	<3	2.90	.01	.16	<2	<5	1	2
L101N 47+50E	3	44	41	631	.5	49	12	494	3.15	8	<5	<2	7	27	4.3	<2	2	157	.46	.238	21	40	.80	454	.10	<3	3.11	.02	.12	3	<5	1	3
L101N 48+00E	2	37	34	680	.8	39	12	780	3.04	5	<5	<2	3	17	4.2	<2	<2	153	.37	.254	14	36	.65	281	.11	<3	2.95	.01	.10	2	<5	1	3
L101N 48+50E	3	60	43	1256	1.2	80	16	729	3.06	4	<5	<2	3	20	5.1	<2	2	192	.31	.188	13	32	.61	237	.13	<3	3.16	.02	.09	<2	<5	<1	1
RE L101N 48+50E	4	59	48	1253	1.1	82	16	732	3.08	4	<5	<2	3	20	5.3	2	<2	193	.32	.188	13	34	.61	232	.13	<3	3.10	.02	.09	<2	<5	2	<1
L101N 49+00E	4	115	64	1281	3.6	100	19	491	3.31	7	5	<2	2	25	5.1	3	<2	196	.43	.217	16	35	.64	207	.12	3	3.43	.02	.08	<2	<5	1	2
L101N 49+50E	5	116	63	1775	3.7	136	16	698	3.71	14	9	<2	4	21	4.6	4	<2	199	.42	.284	15	41	.72	254	.12	<3	3.71	.02	.09	<2	<5	1	3
L101N 50+00E	6	121	38	849	2.7	69	12	478	3.40	15	5	<2	2	14	6.0	3	<2	211	.21	.149	20	44	.61	174	.10	<3	2.92	.01	.09	<2	<5	1	1
L101N 50+50E	4	53	28	715	.7	50	11	580	2.99	5	<5	<2	3	30	3.8	3	3	219	.54	.244	14	37	.65	326	.11	<3	2.55	.01	.11	<2	<5	1	1
L101N 51+00E	3	98	30	1194	1.6	87	55	1342	3.32	9	<5	<2	<2	49	12.7	<2	5	165	.54	.135	16	42	.85	466	.12	3	2.11	.02	.10	<2	<5	<1	1
L101N 51+50E	3	28	9	478	1.4	21	10	654	2.74	6	<5	<2	4	21	2.2	3	<2	130	.24	.432	6	19	.25	274	.17	<3	3.06	.02	.07	<2	<5	<1	<1
L101N 52+00E	6	61	26	843	1.9	80	8	288	4.45	9	5	<2	4	17	2.6	3	2	306	.25	.234	9	39	.63	164	.14	<3	3.06	.01	.08	<2	<5	<1	1
L101N 52+50E	4	130	23	641	1.0	51	17	424	2.75	3	7	<2	<2	16	3.4	2	<2	233	.23	.131	15	47	1.08	122	.06	3	2.69	.01	.07	<2	<5	1	<1
L101N 53+00E	5	641	30	757	4.1	132	95	1321	2.57	<2	19	<2	<2	22	15.0	<2	6	152	.38	.124	21	33	.59	230	.07	<3	2.97	.02	.05	<2	<5	1	1
L101N 53+50E	8	313	19	556	2.2	69	11	214	4.26	5	12	<2	3	19	2.5	<2	3	160	.21	.177	18	36	.72	210	.13	<3	4.36	.01	.10	<2	<5	2	1
STANDARD C/AU-S	20	61	35	146	6.2	63	31	1130	4.09	36	19	7	38	52	18.6	18	20	59	.52	.094	39	59	.93	195	.08	26	1.92	.06	.15	8	<5	1	53

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L101N 54+00E	6	73	16	447	1.2	41	6	187	4.09	<2	5	<2	5	18	1.4	<2	<2	229	.20	.204	7	46	.86	209	.14	<3	3.85	.01	.08	<2	<5	<1	<1
L101N 54+50E	9	234	10	446	1.2	38	10	313	3.95	4	<5	<2	2	18	2.6	<2	<2	266	.24	.233	10	49	.97	311	.11	3	3.32	.02	.08	<2	<5	1	<1
L101N 55+00E	11	127	25	308	.8	38	8	741	4.34	5	<5	<2	2	19	1.7	<2	<2	179	.16	.291	11	36	.73	215	.10	4	3.19	.01	.11	<2	<5	1	<1
L101N 55+50E	9	112	30	296	.6	36	11	687	3.96	6	<5	<2	<2	21	2.4	<2	<2	123	.22	.208	11	28	.55	197	.08	7	3.29	.01	.10	<2	<5	<1	<1
L101N 56+00E	10	194	18	291	1.1	43	12	470	4.12	7	<5	<2	<2	16	1.3	2	<2	163	.18	.207	13	33	.62	213	.10	6	3.67	.01	.09	<2	<5	1	<1
L101N 56+50E	4	124	17	278	1.0	33	8	338	4.09	2	<5	<2	3	11	1.2	<2	4	132	.18	.244	10	32	.54	287	.12	5	2.95	.01	.07	<2	<5	1	<1
L101N 57+00E	4	151	32	414	1.2	48	37	854	3.33	8	<5	<2	<2	21	2.8	<2	2	191	.47	.166	15	45	.86	490	.11	3	2.36	.02	.08	<2	<5	1	<1
L101N 57+50E	4	93	13	258	1.5	39	10	440	3.25	5	<5	<2	<2	15	1.7	<2	<2	147	.35	.283	11	43	.61	319	.09	3	2.11	.01	.08	<2	<5	1	<1
L101N 58+00E	3	55	10	242	3.1	22	7	332	2.77	<2	<5	<2	2	12	1.1	<2	2	95	.23	.284	10	26	.28	212	.10	<3	2.21	.01	.05	<2	<5	<1	1
L101N 58+50E	3	82	16	379	1.3	37	11	352	2.87	<2	<5	<2	3	15	1.4	<2	<2	134	.38	.330	12	32	.48	244	.12	<3	2.59	.01	.07	<2	<5	1	2
L101N 59+00E	7	72	30	1004	1.1	67	8	190	3.95	9	<5	<2	7	25	2.6	2	2	249	.22	.279	12	42	.75	176	.14	3	4.06	.01	.08	<2	<5	<1	1
L101N 59+50E	7	77	30	2353	.8	135	17	301	4.10	18	7	<2	3	34	6.5	2	<2	324	.48	.288	11	47	.94	280	.13	<3	3.46	.02	.08	<2	<5	<1	<1
L101N 60+00E	10	61	49	715	.7	49	9	359	3.60	10	5	<2	<2	23	4.6	6	<2	287	.24	.079	11	32	.40	327	.10	<3	1.60	.01	.07	<2	<5	1	<1
L99N 30+00E	1	34	13	261	.3	31	15	1062	3.74	10	<5	<2	6	20	.5	<2	<2	56	.25	.106	13	39	.73	253	.23	3	4.56	.03	.09	5	<5	1	<1
L99N 30+50E	2	44	13	300	.4	78	16	320	3.85	14	<5	<2	6	31	1.2	<2	5	49	.46	.077	24	37	.58	200	.17	5	3.97	.03	.13	<2	<5	1	1
L99N 31+00E	2	46	13	119	.3	41	14	254	3.61	8	<5	<2	9	33	.7	<2	6	58	.47	.065	26	49	1.06	226	.25	4	6.82	.05	.12	8	<5	4	4
L99N 31+50E	1	40	8	227	.4	53	18	627	3.06	7	<5	<2	4	31	.8	<2	<2	45	.43	.105	12	31	.47	301	.21	4	4.15	.04	.11	<2	6	2	<1
L99N 32+00E	1	25	14	135	<.3	49	15	200	3.60	4	<5	<2	6	17	1.2	<2	<2	57	.21	.038	11	57	.75	222	.23	<3	4.52	.02	.12	<2	<5	<1	2
L99N 32+50E	2	26	16	187	<.3	36	13	459	3.57	7	<5	<2	5	14	1.2	<2	<2	51	.14	.059	11	33	.46	208	.20	3	3.49	.02	.10	5	<5	<1	<1
L99N 33+00E	3	18	13	37	<.3	28	12	147	3.80	3	<5	<2	6	9	.3	<2	<2	61	.07	.012	21	43	.55	87	.10	<3	2.71	.01	.07	<2	<5	<1	2
RE L99N 34+00E	3	44	15	146	<.3	55	20	945	3.64	35	<5	<2	5	20	.7	<2	<2	59	.26	.099	13	55	.72	312	.25	<3	4.52	.02	.16	2	<5	2	2
L99N 33+50E	3	32	15	142	<.3	45	14	966	3.41	10	<5	<2	4	14	.7	<2	<2	52	.16	.118	9	42	.46	273	.25	3	4.71	.03	.13	<2	<5	1	2
L99N 34+00E	3	48	15	156	.3	60	21	1009	3.85	37	<5	<2	6	22	.4	<2	2	62	.28	.105	14	58	.77	341	.26	<3	4.85	.03	.17	<2	7	2	2
L99N 34+50E	3	48	22	159	<.3	81	22	831	4.41	21	<5	<2	7	24	.5	<2	<2	73	.29	.145	20	85	1.20	347	.24	<3	4.22	.02	.27	3	<5	1	8
L99N 35+00E	2	35	16	155	.4	44	12	345	2.85	40	<5	<2	7	17	.4	<2	2	54	.24	.105	16	37	.52	254	.17	<3	3.82	.02	.12	<2	<5	1	2
L99N 35+50E	3	36	11	152	<.3	40	16	431	3.47	16	<5	<2	5	16	.6	<2	<2	52	.25	.114	9	30	.48	179	.20	<3	4.64	.02	.10	2	<5	<1	1
L99N 36+00E	3	39	124	172	.3	22	8	319	2.57	14	<5	<2	5	11	.8	<2	<2	54	.13	.121	11	17	.28	128	.20	4	4.90	.02	.06	2	<5	1	<1
L99N 36+50E	15	31	312	321	.5	18	7	1178	3.43	46	<5	<2	10	35	2.3	2	<2	48	.56	.127	21	21	.46	276	.08	<3	2.46	.03	.17	28	<5	1	9
L99N 37+00E	6	28	215	231	.4	24	11	735	3.37	84	<5	<2	10	18	.8	<2	<2	53	.28	.108	20	26	.48	214	.17	<3	4.88	.02	.13	10	<5	1	4
L99N 37+50E	3	23	141	332	<.3	36	12	1439	3.37	47	<5	<2	6	17	1.0	<2	<2	66	.37	.058	14	43	.69	271	.17	<3	3.58	.02	.17	8	<5	<1	2
L99N 38+00E	8	25	234	705	.3	29	9	445	3.28	38	<5	<2	7	25	1.5	<2	<2	47	.47	.081	19	29	.58	214	.20	5	5.13	.04	.13	<2	<5	2	2
L99N 38+50E	6	33	7575	2072	.9	21	9	1923	3.27	67	<5	<2	4	36	15.0	16	2	45	1.39	.090	12	27	1.13	299	.19	<3	2.41	.02	.13	25	5	2	11
L99N 39+00E	2	27	182	304	<.3	39	12	304	3.24	8	<5	<2	9	18	.5	<2	<2	64	.29	.088	20	42	.76	285	.15	<3	3.50	.02	.21	<2	<5	1	3
L99N 39+50E	2	23	103	475	<.3	34	13	831	3.35	18	<5	<2	6	14	1.9	<2	<2	55	.23	.192	14	28	.59	232	.18	5	4.22	.02	.13	2	<5	<1	1
L99N 40+00E	2	27	1198	5652	.3	35	12	1526	4.63	26	<5	<2	10	40	16.6	7	<2	46	1.07	.189	41	35	1.66	195	.18	3	4.65	.05	.14	<2	<5	1	2
STANDARD C/AU-S	20	59	36	129	6.1	63	31	1031	4.05	39	18	6	36	50	17.3	16	15	61	.52	.091	38	62	.92	184	.09	28	1.95	.06	.15	11	<5	2	52

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L99N 40+50E	2	23	354	1247	<.3	31	10	543	3.40	51	<5	<2	8	18	5.4	3	<2	59	.42	.142	15	30	.98	208	.15	<3	3.56	.03	.12	<2	<5	<1	8
L99N 41+00E	4	20	332	1165	<.3	32	11	642	3.55	13	<5	<2	9	20	6.2	4	4	66	.54	.063	19	38	.93	275	.18	4	3.94	.03	.14	<2	<5	<1	1
RE L99N 41+00E	4	20	314	1102	<.3	32	11	603	3.37	15	<5	<2	7	19	5.6	3	<2	63	.52	.059	18	37	.88	267	.17	3	3.74	.02	.14	<2	<5	2	1
L99N 41+50E	4	39	1343	1246	.8	36	8	301	4.31	21	<5	<2	8	17	4.3	5	6	76	.48	.120	18	35	.84	141	.15	<3	3.29	.03	.16	<2	<5	1	3
L99N 42+00E	3	32	1188	2004	.5	36	12	526	4.21	28	<5	<2	9	20	5.0	7	4	84	.56	.159	22	43	1.17	199	.16	3	4.10	.03	.17	<2	<5	<1	3
L99N 42+50E	1	18	2016	5243	.4	35	10	951	4.02	35	<5	<2	7	21	12.7	14	4	95	.77	.164	21	38	1.09	155	.18	3	4.73	.04	.12	<2	<5	1	3
L99N 43+00E	4	16	2430	3776	2.0	51	4	1416	7.00	60	<5	<2	4	32	11.7	7	2	220	1.41	.248	26	49	1.35	136	.14	3	3.60	.03	.08	<2	<5	<1	8
L99N 43+50E	1	20	569	1320	.6	33	9	1948	3.19	29	<5	<2	7	33	8.4	2	7	61	1.28	.351	18	31	.98	323	.17	5	4.10	.04	.18	<2	<5	<1	6
L99N 44+00E	1	23	145	603	.3	30	9	375	3.01	11	<5	<2	8	13	1.7	<2	<2	66	.28	.083	17	35	.78	209	.16	<3	3.98	.02	.14	2	<5	<1	13
L99N 45+00E	<1	35	111	370	.3	34	11	1374	3.30	12	<5	<2	5	30	2.3	<2	2	78	.85	.285	27	32	1.10	266	.17	<3	4.06	.03	.13	<2	<5	<1	2
L99N 45+50E	1	28	140	627	.3	26	9	1101	3.08	19	<5	<2	6	13	3.4	<2	<2	61	.29	.190	14	28	.77	185	.18	6	4.49	.02	.10	<2	<5	1	4
L99N 46+00E	1	29	75	366	.3	26	9	599	3.06	15	<5	<2	7	13	1.8	<2	<2	67	.21	.118	14	30	.79	204	.17	<3	4.53	.02	.12	<2	<5	<1	1
L99N 46+50E	1	30	65	530	.5	39	9	2384	3.26	11	<5	<2	6	31	5.2	<2	4	67	1.75	.443	25	27	1.72	335	.15	<3	4.57	.03	.12	<2	<5	<1	1
L99N 47+00E	2	33	35	385	.7	35	7	448	3.37	13	<5	<2	5	14	1.3	<2	<2	110	.21	.228	10	26	.49	116	.15	<3	3.70	.01	.09	<2	<5	1	1
L99N 47+50E	5	68	38	612	.7	66	12	743	3.27	12	<5	<2	2	14	2.4	2	<2	160	.23	.260	14	30	.53	148	.12	<3	3.13	.01	.11	2	<5	1	1
L99N 48+00E	4	68	46	636	.5	67	12	1199	3.37	5	<5	<2	4	17	2.9	3	4	176	.25	.179	15	38	.66	223	.13	<3	3.09	.01	.12	<2	<5	<1	1
L99N 48+50E	7	147	20	593	1.0	72	13	450	4.77	6	6	<2	5	22	2.6	<2	<2	186	.39	.365	11	44	.71	252	.15	<3	3.83	.01	.10	2	<5	<1	2
L99N 49+00E	9	138	37	1562	1.8	213	25	1373	4.95	36	5	<2	6	35	8.2	2	5	205	.45	.217	20	68	1.90	658	.18	<3	4.09	.02	.14	<2	<5	<1	4
L99N 49+50E	4	48	48	1288	.8	79	14	969	3.98	8	<5	<2	5	21	4.2	2	<2	145	.22	.182	12	28	.57	320	.18	3	3.30	.02	.11	<2	<5	2	1
L99N 50+00E	6	76	35	654	2.6	61	12	657	3.57	2	<5	<2	2	17	2.3	<2	4	154	.14	.138	14	31	.61	166	.13	<3	2.57	.02	.10	<2	<5	<1	1
L99N 50+50E	5	51	60	484	.6	50	10	1047	3.28	10	<5	<2	<2	21	1.1	4	<2	132	.23	.127	11	31	.63	198	.14	<3	2.47	.02	.10	<2	<5	<1	1
L99N 51+00E	23	129	25	437	1.3	57	7	242	5.53	10	12	<2	4	50	.6	<2	<2	195	.14	.185	11	31	.63	146	.12	3	4.30	.01	.10	<2	<5	1	2
L99N 51+50E	11	72	20	319	.9	48	6	211	3.78	10	6	<2	4	30	.7	<2	2	144	.15	.223	10	26	.50	132	.13	<3	4.10	.01	.10	<2	6	<1	2
L99N 52+00E	7	86	30	445	1.1	52	5	282	3.24	9	6	<2	4	37	1.2	<2	<2	293	.31	.266	12	40	.71	195	.12	3	3.09	.02	.10	<2	<5	<1	1
L99N 52+50E	9	95	35	575	1.1	70	8	504	3.39	8	6	<2	<2	28	1.8	3	<2	220	.23	.254	14	33	.62	140	.07	3	3.40	.02	.10	<2	<5	2	3
L99N 53+00E	5	84	45	613	.7	58	10	600	3.01	6	<5	<2	<2	17	1.9	2	<2	210	.24	.217	13	41	.94	132	.07	<3	2.96	.01	.12	<2	<5	<1	7
L99N 53+50E	3	78	46	659	.5	59	12	678	3.16	10	<5	<2	<2	23	4.0	<2	<2	195	.35	.186	15	44	.89	280	.09	<3	3.34	.01	.15	<2	<5	<1	2
L99N 54+00E	4	135	41	495	.4	76	14	835	3.86	8	<5	<2	<2	20	1.8	<2	5	148	.27	.237	14	35	.76	219	.11	4	3.40	.01	.14	<2	<5	2	2
L99N 54+50E	16	357	32	340	.7	56	10	600	5.80	7	11	<2	2	38	1.4	<2	5	115	.44	.408	7	25	.37	172	.08	<3	3.64	.01	.11	<2	<5	1	2
L99N 55+00E	10	96	16	371	.6	32	10	564	3.86	5	<5	<2	<2	37	3.6	<2	<2	111	.44	.212	9	23	.49	322	.07	4	3.20	.01	.12	<2	<5	<1	1
L99N 55+50E	8	115	19	554	.9	54	19	1127	4.69	4	5	<2	<2	38	5.6	<2	4	145	.59	.195	10	33	.60	431	.11	4	3.44	.02	.13	<2	<5	1	1
L99N 56+00E	10	213	33	536	1.2	85	24	891	5.09	6	7	<2	2	36	2.9	2	<2	130	.50	.309	13	30	.55	395	.09	3	4.42	.02	.13	<2	<5	1	1
L99N 56+50E	5	172	22	663	.6	98	21	867	3.90	10	<5	<2	2	24	3.4	<2	7	140	.41	.176	14	33	.70	275	.12	<3	3.74	.01	.11	<2	<5	<1	1
L99N 57+00E	3	98	42	594	<.3	63	18	1091	4.16	7	<5	<2	3	24	3.8	2	<2	115	.37	.136	10	26	.45	360	.13	4	2.67	.01	.12	<2	<5	1	1
L99N 57+50E	3	139	32	567	.5	68	15	712	3.56	4	<5	<2	4	18	2.7	<2	<2	157	.45	.223	14	40	.73	362	.13	<3	2.85	.01	.10	<2	<5	<1	2
STANDARD C/AU-S	19	59	37	131	6.0	67	31	1118	4.05	41	20	6	36	50	16.9	18	23	58	.52	.097	39	61	.93	185	.09	30	1.92	.06	.15	10	<5	3	49

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L99N 58+00E	3	167	57	424	.8	56	13	865	3.33	6	<5	<2	2	36	3.9	2	<2	77	1.15	.366	19	19	.51	188	.06	4	2.67	.01	.14	<2	<5	<1	4
L99N 58+50E	3	170	19	449	.5	68	14	704	3.88	4	<5	<2	4	21	2.4	<2	3	123	.42	.309	14	34	.59	358	.14	<3	3.36	.01	.11	<2	<5	<1	1
L99N 59+00E	4	113	25	1252	.4	106	20	565	3.54	9	5	<2	5	25	4.9	<2	<2	186	.39	.261	14	40	.78	222	.14	3	3.53	.01	.11	<2	<5	<1	1
L99N 59+50E	9	153	38	1354	2.9	172	17	276	3.90	7	15	<2	6	31	5.0	3	<2	178	.33	.277	16	33	.67	202	.14	<3	4.06	.01	.09	<2	<5	<1	1
L99N 60+00E	10	255	48	897	2.0	89	33	1096	5.66	10	5	<2	4	41	12.0	<2	5	125	.52	.413	12	25	.39	202	.08	4	4.55	.01	.09	<2	<5	<1	1
L97N 30+00E	3	61	22	193	<.3	43	16	1546	3.19	10	<5	<2	4	24	.7	<2	13	47	.35	.175	10	21	.38	307	.14	3	2.80	.02	.10	30	5	<1	8
L97N 30+50E	1	24	14	189	<.3	32	12	1845	2.95	4	<5	<2	3	21	.5	<2	<2	43	.23	.071	12	25	.39	323	.21	5	3.62	.03	.10	2	9	<1	<1
L97N 31+00E	2	64	17	235	<.3	175	31	564	5.19	38	<5	<2	5	31	.8	<2	7	57	.33	.063	11	81	.71	307	.22	4	3.95	.03	.16	9	5	1	6
L97N 31+50E	1	57	11	142	<.3	99	23	573	3.92	13	<5	<2	6	16	.4	<2	6	61	.22	.080	15	93	1.03	266	.25	4	4.74	.02	.15	5	7	<1	3
L97N 32+00E	2	49	13	198	<.3	77	23	1290	4.95	35	<5	<2	5	18	.2	<2	<2	79	.36	.142	14	72	1.13	336	.28	<3	3.02	.03	.18	2	<5	<1	18
L97N 32+50E	2	39	21	216	<.3	100	26	2058	4.19	40	<5	<2	3	24	.3	<2	4	63	.46	.074	11	97	1.07	303	.22	3	2.74	.02	.15	10	7	<1	2
L97N 33+00E	4	30	36	333	<.3	61	20	2880	3.60	39	<5	<2	3	35	.8	2	6	44	.50	.128	12	43	.56	269	.20	3	2.32	.03	.23	27	13	<1	2
L97N 33+50E	5	48	17	174	<.3	112	27	680	5.18	195	<5	<2	6	24	.6	<2	3	73	.32	.086	12	126	1.22	230	.31	3	4.71	.03	.31	<2	<5	<1	5
L97N 34+00E	4	88	33	381	.4	73	16	377	3.56	57	<5	<2	9	21	1.7	<2	7	132	.39	.126	25	54	1.05	473	.16	<3	3.10	.01	.20	7	<5	<1	4
RE L97N 34+00E	3	89	36	388	.3	68	15	370	3.60	52	<5	<2	9	21	1.4	<2	<2	134	.40	.130	25	56	1.07	496	.16	<3	3.15	.02	.20	5	<5	<1	3
L97N 34+50E	2	31	19	324	.4	39	11	1082	2.86	48	<5	<2	5	14	2.4	<2	<2	67	.18	.303	10	29	.42	357	.20	3	4.25	.02	.09	<2	<5	<1	1
L97N 35+00E	3	48	92	573	.3	41	20	1010	4.41	23	<5	<2	7	16	2.4	<2	8	67	.32	.269	17	45	.82	314	.15	<3	4.36	.01	.21	90	<5	<1	2
L97N 35+50E	52	238	639	2223	2.2	40	58	5802	6.90	267	6	<2	12	62	12.5	2	39	59	3.52	.101	20	34	1.92	270	.10	4	2.51	.03	.30	307	22	1	192
L97N 36+00E	5	59	83	398	.6	46	20	806	4.10	42	<5	<2	11	19	1.2	2	4	60	.33	.105	28	46	1.04	230	.18	<3	4.43	.02	.37	145	5	<1	6
L97N 36+50E	6	37	56	272	.5	40	13	943	3.94	12	<5	<2	11	22	1.5	<2	4	60	.40	.145	29	47	.97	252	.19	4	4.70	.02	.43	31	<5	<1	6
L97N 37+00E	4	16	704	1001	<.3	30	10	1025	2.93	11	<5	<2	4	18	4.8	2	2	45	.49	.121	14	34	.73	272	.15	<3	3.40	.02	.26	4	<5	<1	2
L97N 37+50E	3	14	112	407	<.3	29	9	3055	2.94	13	<5	<2	5	19	1.7	<2	2	42	.73	.249	13	30	.72	314	.15	5	3.28	.02	.16	3	8	1	1
L97N 38+00E	7	17	56	300	<.3	35	11	1289	3.27	3	<5	<2	4	13	.4	<2	<2	50	.32	.099	13	33	.60	239	.17	3	2.90	.02	.17	8	<5	<1	2
L97N 38+50E	4	13	252	491	<.3	28	10	1027	3.12	8	<5	<2	5	15	.9	<2	<2	54	.50	.092	15	40	.76	194	.18	5	2.11	.02	.26	2	<5	<1	1
L97N 39+00E	4	21	541	868	<.3	40	12	472	3.60	13	<5	<2	6	17	1.3	<2	6	58	.41	.102	13	38	1.10	171	.18	<3	4.22	.02	.18	2	<5	<1	3
L97N 39+50E	19	23	403	794	<.3	35	12	942	3.70	9	<5	<2	7	23	2.7	<2	4	52	.70	.105	17	38	1.18	167	.18	5	4.02	.03	.19	19	<5	<1	4
L97N 40+00E	4	18	350	2506	.3	23	7	1577	3.72	9	<5	<2	5	28	10.9	<2	<2	48	2.45	.068	20	34	4.19	216	.17	6	4.19	.03	.11	<2	<5	<1	3
L97N 40+50E	2	17	402	1099	.3	33	9	841	3.44	14	<5	<2	6	22	7.4	<2	<2	57	.90	.090	19	27	.77	183	.19	4	4.25	.04	.09	<2	<5	<1	2
L97N 41+00E	1	15	179	1108	<.3	32	8	1098	3.43	15	<5	<2	5	23	7.5	2	<2	70	.80	.413	9	26	.93	264	.17	4	4.11	.03	.11	<2	6	<1	2
L97N 41+50E	1	26	214	716	.3	30	9	1754	3.44	19	<5	<2	6	55	6.0	<2	<2	60	1.59	.405	20	30	1.76	248	.19	6	4.52	.04	.19	<2	7	1	1
L97N 42+00E	1	19	104	377	<.3	30	9	545	3.19	5	<5	<2	6	19	1.7	<2	5	63	.67	.142	17	30	1.02	127	.19	4	4.60	.02	.09	<2	<5	<1	2
L97N 42+50E	1	18	120	412	<.3	22	8	2060	2.52	9	5	<2	4	18	4.4	<2	3	57	.73	.271	15	29	1.18	207	.14	4	3.10	.02	.11	<2	<5	<1	2
L97N 43+00E	1	20	54	276	<.3	24	9	493	3.19	15	<5	<2	7	12	1.0	2	<2	65	.26	.196	11	29	.70	181	.17	5	3.72	.02	.10	<2	<5	<1	1
L97N 43+50E	<1	16	66	294	<.3	40	10	1981	3.01	8	<5	<2	6	35	1.3	<2	4	83	2.77	.439	23	49	2.33	346	.17	3	3.89	.02	.12	<2	<5	<1	1
L97N 44+00E	1	32	86	585	<.3	46	11	724	3.45	10	<5	<2	8	16	4.1	<2	7	104	.48	.213	21	40	1.25	280	.17	3	4.66	.02	.15	<2	<5	<1	1
STANDARD C/AU-S	19	57	35	134	6.0	67	31	1075	4.03	38	16	7	36	50	16.7	17	20	60	.51	.090	38	59	.92	188	.08	28	1.92	.06	.15	12	<5	1	53

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L97N 44+50E	1	38	223	400	.4	17	3	1355	1.17	14	9	<2	2	61	2.8	3	5	59	8.68	.620	11	17	4.58	457	.04	4	1.47	.02	.12	<2	<5	<1	2
RE L97N 45+50E	3	32	237	761	1.3	45	6	1370	3.25	22	7	<2	4	54	5.6	2	4	114	4.81	.490	38	36	3.41	297	.08	6	4.05	.06	.09	<2	<5	<1	5
L97N 45+00E	2	17	115	402	.3	34	5	1213	2.07	13	<5	<2	2	48	2.7	<2	4	63	5.42	.338	14	21	3.54	173	.09	6	2.64	.02	.09	<2	<5	<1	<1
L97N 45+50E	3	32	230	741	1.3	46	8	1333	3.24	30	<5	<2	3	54	5.4	3	3	111	4.82	.477	38	35	3.32	297	.08	10	3.95	.06	.09	<2	<5	<1	3
L97N 46+00E	1	27	60	283	<.3	28	9	1038	3.26	8	<5	<2	5	18	1.9	<2	<2	67	.67	.294	20	30	.90	366	.15	<3	3.93	.02	.13	<2	<5	1	<1
L97N 46+50E	2	20	48	307	<.3	25	8	493	2.85	6	<5	<2	4	15	2.2	2	<2	60	.20	.131	11	25	.58	211	.17	3	3.31	.02	.09	2	<5	1	<1
L97N 47+00E	3	31	47	814	.4	43	9	373	3.11	<2	5	<2	4	16	3.2	<2	<2	98	.26	.123	9	23	.46	215	.17	<3	3.69	.02	.07	<2	<5	1	<1
L97N 47+50E	8	77	45	692	<.3	61	8	556	3.45	8	6	<2	3	34	4.8	<2	2	193	.60	.259	12	29	.49	263	.11	<3	2.65	.01	.12	2	<5	1	2
L97N 48+00E	2	42	24	1049	.4	103	15	524	3.12	3	6	<2	3	19	3.8	<2	<2	146	.32	.106	10	34	.91	227	.18	<3	3.22	.02	.08	<2	<5	<1	2
L97N 48+50E	5	73	51	1116	1.6	100	18	1084	4.33	26	<5	<2	4	30	8.6	<2	2	160	.51	.298	16	51	1.07	426	.12	4	2.73	.01	.15	<2	<5	<1	4
L97N 49+00E	6	75	154	1230	.8	98	12	992	5.17	5	9	<2	4	63	7.5	2	<2	179	.55	.159	9	26	.50	446	.16	<3	3.81	.02	.12	<2	<5	<1	1
L97N 49+50E	2	95	26	1791	1.5	106	13	679	3.57	26	13	<2	6	32	20.0	<2	<2	130	.35	.356	14	28	.40	323	.19	6	4.17	.03	.13	<2	<5	<1	2
L97N 50+00E	7	93	48	600	1.0	50	8	692	3.42	13	8	<2	3	42	3.7	<2	<2	124	.48	.217	10	26	.53	207	.12	4	2.65	.02	.10	<2	<5	<1	1
L97N 50+50E	8	72	47	718	.7	82	14	916	3.92	10	9	<2	2	33	4.7	3	2	104	.37	.186	11	24	.46	223	.12	<3	3.36	.01	.10	<2	<5	1	1
L97N 51+00E	9	102	33	1165	1.0	131	18	711	3.89	10	9	<2	2	60	7.1	3	<2	155	.50	.218	15	27	.63	257	.12	<3	3.85	.01	.14	<2	5	2	<1
L97N 51+50E	8	124	36	1580	1.7	159	28	622	3.38	6	10	<2	<2	34	10.9	<2	4	223	.36	.224	18	35	.75	201	.07	4	3.27	.01	.15	<2	<5	<1	1
L97N 52+00E	5	72	33	1353	.9	130	36	766	3.17	2	5	<2	<2	23	7.5	<2	<2	143	.22	.137	17	34	.87	190	.07	3	3.48	.02	.14	<2	<5	<1	<1
L97N 52+50E	7	109	46	832	1.5	80	23	701	3.40	5	5	<2	<2	26	4.3	<2	<2	197	.29	.209	15	43	.99	185	.06	<3	3.63	.01	.16	<2	<5	1	<1
L97N 53+00E	6	193	27	1259	1.5	112	39	940	3.76	5	11	<2	2	45	13.1	<2	<2	171	.48	.240	17	37	.82	263	.10	<3	3.85	.02	.13	<2	<5	<1	2
L97N 53+50E	4	141	40	730	.5	62	19	1046	4.28	7	5	<2	2	81	9.2	<2	<2	89	1.12	.269	9	25	.50	674	.12	4	3.21	.02	.15	<2	<5	<1	<1
L97N 54+00E	3	379	25	900	1.3	104	29	775	3.79	6	10	<2	<2	59	11.4	<2	<2	106	1.08	.224	19	30	.52	295	.10	<3	3.65	.02	.10	<2	<5	2	1
L97N 54+50E	4	200	48	979	1.0	113	23	636	3.53	8	8	<2	<2	38	8.5	<2	<2	149	.61	.190	13	35	.75	291	.12	<3	3.37	.02	.12	<2	5	1	2
L97N 55+00E	4	137	28	790	.7	88	19	662	4.14	<2	7	<2	3	25	5.8	<2	2	131	.31	.208	13	33	.71	266	.15	<3	4.48	.02	.13	<2	<5	3	25
L97N 55+50E	9	171	46	874	1.4	100	43	851	5.12	<2	10	<2	2	43	6.7	<2	4	148	.65	.259	15	40	.74	300	.09	5	3.66	.02	.14	<2	<5	<1	1
L97N 56+00E	6	312	28	716	1.1	81	34	533	3.66	6	8	<2	<2	26	4.1	<2	5	161	.50	.190	18	37	.81	269	.08	3	3.47	.01	.10	<2	<5	1	1
L97N 56+50E	6	259	41	587	1.0	71	28	660	4.86	8	7	<2	3	33	5.3	<2	<2	185	.72	.332	14	42	.81	878	.09	3	2.81	.01	.17	2	<5	<1	1
L97N 57+00E	3	201	19	534	.8	80	18	522	4.26	2	8	<2	4	25	2.4	<2	2	167	.56	.201	13	38	.63	521	.11	<3	3.24	.01	.12	<2	<5	1	<1
L97N 57+50E	4	154	16	478	.5	64	12	305	3.38	2	<5	<2	5	23	2.3	<2	<2	183	.57	.265	14	48	.92	517	.11	4	2.41	.01	.11	<2	<5	1	<1
L97N 58+00E	2	111	26	473	.7	52	14	425	3.45	5	<5	<2	5	33	3.1	<2	2	142	.67	.286	16	40	.70	351	.12	5	3.01	.01	.12	<2	<5	<1	<1
L97N 58+50E	3	120	33	682	.4	63	15	586	3.54	4	7	<2	5	27	8.7	2	<2	164	.50	.377	16	39	.68	465	.12	4	3.14	.01	.11	<2	<5	1	<1
L97N 59+00E	4	116	50	964	.5	80	14	608	3.60	2	6	<2	4	32	6.6	<2	<2	201	.64	.284	16	38	.67	416	.11	<3	2.92	.01	.12	<2	<5	<1	1
L97N 59+50E	6	127	42	1040	.9	87	11	292	3.49	5	7	<2	7	23	4.2	<2	<2	244	.63	.367	17	40	.73	305	.12	<3	2.95	.01	.12	<2	<5	1	2
L97N 60+00E	4	103	65	965	1.0	68	12	522	3.34	6	5	<2	4	35	6.3	3	<2	192	.85	.393	18	35	.61	346	.11	<3	2.62	.01	.13	<2	<5	1	2
L85N 30+50E	1	9	37	126	<.3	6	1	633	.59	5	<5	<2	<2	126	.8	<2	<2	25	9.62	.167	5	7	7.83	348	.04	6	1.28	.01	.05	10	<5	<1	1
L85N 31+00E	2	26	106	414	<.3	16	5	3859	2.13	6	<5	<2	<2	39	2.3	<2	<2	30	2.53	.267	10	17	1.27	622	.10	4	2.34	.02	.12	28	<5	<1	3
STANDARD C/AU-S	20	62	38	150	6.0	66	30	986	4.18	38	16	7	37	50	17.8	18	23	57	.53	.094	39	59	.97	181	.09	30	2.00	.06	.16	11	<5	2	49

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L85N 31+50E	1	8	49	155	<.3	10	3	1123	1.30	5	<5	<2	2	13	1.2	<2	<2	52	.76	.050	11	16	8.71	147	.10	11	2.47	.01	.08	21	<5	<1	<1
L85N 32+00E	1	27	71	341	<.3	39	12	1294	2.84	51	<5	<2	5	21	2.2	<2	2	63	.71	.182	14	34	1.69	293	.18	3	3.83	.03	.15	5	5	<1	4
L85N 32+50E	1	31	52	299	.4	29	10	883	2.58	27	<5	<2	4	22	1.5	<2	3	92	.42	.189	9	30	.58	269	.18	3	3.70	.02	.13	5	<5	<1	<1
L85N 33+00E	9	102	240	965	.5	41	11	728	2.93	168	<5	<2	5	40	5.9	<2	2	90	1.22	.188	18	33	1.02	256	.13	3	2.47	.04	.18	95	<5	<1	5
RE L85N 33+00E	9	98	238	950	.5	42	10	712	2.91	170	<5	<2	5	40	6.1	4	<2	89	1.23	.186	19	33	1.01	253	.12	3	2.43	.03	.17	95	<5	<1	9
L85N 33+50E	1	33	37	461	<.3	29	11	2146	3.15	17	<5	<2	4	24	3.9	<2	4	69	.41	.415	10	28	.57	486	.20	3	3.69	.02	.15	3	<5	<1	<1
L85N 34+00E	3	61	1218	3731	1.0	56	13	867	3.67	60	<5	<2	7	46	13.3	<2	4	72	1.84	.152	24	40	1.47	222	.15	3	2.95	.04	.23	21	5	<1	7
L85N 34+50E	1	32	60	1040	.4	25	7	626	2.33	11	<5	<2	5	25	5.0	<2	<2	105	.42	.381	8	27	.51	329	.19	<3	3.63	.03	.12	<2	<5	<1	<1
L85N 35+00E	2	69	3834	8692	1.7	59	8	1179	2.17	47	<5	<2	4	73	108.7	7	<2	33	16.32	.236	24	26	.55	207	.09	15	1.95	.03	.14	<2	<5	<1	1
L85N 35+50E	6	35	376	892	.5	29	12	1226	3.63	65	<5	<2	5	27	7.3	<2	<2	56	1.32	.095	22	35	.98	186	.19	<3	4.07	.02	.30	6	5	<1	7
STANDARD C/AU-S	20	60	38	136	6.2	65	31	1028	4.18	36	16	7	37	52	16.7	17	22	59	.52	.095	40	59	.94	175	.09	26	1.99	.06	.16	10	<5	1	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4356 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L111N 30+00E	1	52	16	195	<.3	64	25	3002	4.03	15	<5	<2	12	71	.2	<2	5	55	.75	.050	18	61	.96	462	.16	6	3.69	.04	.21	<2	5	<1	3
L111N 30+50E	1	44	20	295	<.3	41	17	2515	3.33	14	<5	<2	7	53	1.6	<2	<2	45	.73	.109	8	29	.39	247	.16	4	3.27	.03	.14	<2	<5	<1	2
L111N 31+00E	1	20	21	189	<.3	24	12	1227	3.12	18	<5	<2	5	17	.3	<2	<2	40	.18	.092	8	21	.32	174	.17	4	2.24	.02	.10	<2	<5	<1	<1
L111N 31+50E	1	19	33	390	<.3	31	9	1392	2.84	21	<5	<2	6	16	1.0	<2	<2	57	.25	.319	5	25	.46	349	.17	4	2.84	.03	.09	<2	<5	<1	<1
L111N 32+00E	1	27	52	225	<.3	45	12	663	3.67	14	<5	<2	15	22	.4	<2	3	78	.57	.204	33	47	1.23	188	.18	6	5.18	.06	.20	<2	<5	<1	1
L111N 32+50E	3	29	25	1083	<.3	68	11	609	3.22	13	<5	<2	9	16	2.8	<2	<2	102	.23	.220	15	31	.63	219	.17	4	4.85	.02	.08	<2	<5	<1	<1
L111N 33+00E	3	17	44	404	.3	39	10	450	2.78	14	<5	<2	7	24	1.5	<2	<2	85	.65	.254	9	26	.58	2346	.12	5	2.79	.02	.10	<2	<5	<1	<1
L111N 33+50E	1	17	30	237	<.3	30	13	380	2.99	10	<5	<2	12	22	.9	<2	4	70	.64	.347	15	31	.68	4524	.16	5	4.83	.03	.11	<2	<5	<1	<1
L111N 34+00E	1	17	22	344	<.3	25	13	1505	3.32	13	<5	<2	7	13	1.3	<2	<2	45	.17	.367	10	33	.47	879	.13	4	3.16	.02	.10	<2	<5	<1	2
L111N 34+50E	1	28	22	259	<.3	42	14	1175	3.37	10	<5	<2	10	15	.7	<2	4	58	.19	.146	16	41	.72	858	.15	4	4.11	.02	.13	<2	<5	<1	1
L111N 35+00E	1	33	20	178	<.3	57	16	449	3.37	15	<5	<2	10	18	.2	<2	5	49	.25	.089	17	54	.73	354	.18	3	4.44	.03	.13	<2	<5	<1	1
L111N 35+50E	1	43	14	173	<.3	93	21	428	4.09	12	<5	<2	12	22	<.2	<2	4	57	.28	.106	17	86	1.08	252	.18	3	4.86	.02	.13	<2	<5	<1	2
L111N 36+00E	1	33	15	175	<.3	75	25	1040	3.98	9	<5	<2	9	30	<.2	<2	<2	61	.38	.098	12	58	1.06	464	.20	5	4.78	.04	.14	<2	<5	<1	1
L111N 36+50E	1	25	18	172	<.3	34	12	573	3.10	12	<5	<2	9	19	<.2	<2	<2	46	.26	.196	11	29	.50	265	.16	5	4.23	.02	.11	<2	<5	<1	<1
L111N 37+00E	1	20	16	332	<.3	37	12	387	3.02	11	<5	<2	9	25	.7	<2	2	48	.41	.164	11	29	.47	237	.16	5	4.22	.03	.10	<2	<5	<1	<1
L111N 37+50E	1	25	19	164	<.3	43	13	934	3.52	10	<5	<2	9	15	<.2	<2	<2	52	.17	.089	18	36	.58	269	.16	4	3.90	.02	.11	<2	<5	<1	1
L111N 38+00E	2	30	16	190	<.3	57	20	1253	4.63	11	<5	<2	9	15	<.2	<2	4	64	.17	.122	16	66	.91	203	.22	4	4.08	.01	.24	<2	5	<1	1
L111N 38+50E	2	26	17	164	<.3	40	16	1528	3.72	12	<5	<2	8	15	<.2	<2	<2	54	.14	.118	13	38	.60	168	.18	4	3.41	.01	.13	<2	<5	<1	2
L111N 39+00E	1	23	17	139	<.3	58	16	746	3.65	12	<5	<2	9	31	<.2	<2	4	51	.36	.102	12	53	.80	228	.21	4	4.28	.02	.21	<2	<5	<1	1
RE L111N 39+00E	1	23	17	141	<.3	61	16	758	3.71	9	<5	<2	8	31	<.2	<2	<2	53	.36	.102	12	55	.81	228	.21	5	4.35	.02	.21	<2	<5	<1	2
L111N 39+50E	1	25	15	224	<.3	78	16	305	3.45	12	<5	<2	9	20	<.2	<2	<2	48	.23	.117	11	47	.66	223	.19	4	4.39	.03	.16	<2	<5	<1	2
L111N 40+00E	1	30	23	469	<.3	68	16	742	3.81	12	<5	<2	9	17	.9	<2	<2	54	.17	.186	11	60	.79	223	.19	4	5.04	.03	.22	<2	<5	<1	<1
L111N 40+50E	1	28	20	214	<.3	47	14	363	3.43	8	<5	<2	11	15	<.2	<2	3	53	.16	.102	18	47	.71	178	.16	4	3.81	.02	.19	<2	<5	<1	1
L111N 41+00E	2	44	11	173	<.3	137	29	623	5.16	9	<5	<2	9	21	<.2	<2	4	73	.37	.061	20	145	1.81	127	.17	3	3.57	.03	.17	<2	<5	1	2
L111N 41+50E	1	19	33	237	<.3	35	11	689	3.11	4	<5	<2	7	16	.2	<2	<2	52	.22	.121	13	41	.59	165	.17	3	3.48	.02	.13	<2	<5	<1	2
L111N 42+00E	1	27	81	370	.4	34	12	636	3.28	9	<5	<2	8	21	1.1	<2	<2	68	.68	.262	12	39	.71	198	.15	3	3.67	.02	.13	<2	<5	<1	2
L111N 42+50E	3	47	37	414	.4	51	15	243	3.34	6	<5	<2	17	20	1.2	<2	5	117	.47	.111	23	49	.92	190	.13	<3	3.94	.01	.16	<2	<5	1	3
L111N 43+00E	4	39	39	549	.3	41	12	317	3.39	21	<5	<2	11	16	2.1	<2	4	109	.33	.073	19	47	.73	219	.17	5	4.67	.02	.13	2	<5	1	2
L111N 43+50E	2	44	33	433	.4	40	11	506	3.08	13	5	<2	10	17	2.3	<2	3	106	.30	.117	19	39	.63	212	.17	3	4.34	.02	.12	<2	<5	<1	2
L111N 44+00E	3	64	22	453	.4	50	12	289	3.23	6	<5	<2	11	20	2.2	<2	4	134	.32	.182	19	41	.79	241	.15	4	4.09	.02	.13	<2	<5	1	2
L111N 44+50E	2	50	23	543	1.6	42	10	339	3.06	9	<5	<2	8	18	2.4	<2	<2	131	.24	.259	16	35	.65	197	.16	3	4.63	.02	.11	<2	<5	1	1
L111N 45+00E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L111N 45+50E	1	37	32	438	<.3	39	11	376	2.93	4	<5	<2	11	20	2.6	<2	3	115	.35	.209	18	41	.77	299	.13	4	3.33	.02	.14	<2	<5	<1	1
L111N 46+00E	2	25	56	428	<.3	33	11	501	2.88	6	<5	<2	12	24	2.6	<2	4	77	.48	.111	24	41	1.00	406	.13	3	2.67	.02	.19	<2	<5	1	1
L111N 46+50E	2	20	58	506	<.3	31	11	949	2.91	8	<5	<2	10	19	2.8	<2	3	62	.35	.093	20	41	.95	344	.13	3	2.69	.01	.16	<2	<5	1	2
L111N 47+00E	2	28	57	560	.3	39	10	596	2.95	3	6	<2	9	28	4.5	<2	<2	69	.45	.048	26	44	1.06	511	.14	4	2.94	.02	.20	<2	<5	<1	1
STANDARD C/AU-R	21	59	36	139	6.5	67	33	1132	4.09	41	16	7	42	54	18.6	15	20	60	.52	.088	40	61	.96	184	.08	27	1.93	.06	.15	11	<5	1	49

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

DATE RECEIVED: OCT 27 1995 **DATE REPORT MAILED:** Nov 2/95 **SIGNED BY.** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L111N 47+50E	1	29	61	578	<.3	41	12	540	3.37	4	<5	<2	10	17	3.2	<2	5	81	.29	.118	17	42	.86	493	.14	<3	3.52	.01	.19	<2	<5	1	1
L111N 48+00E	2	23	41	466	<.3	36	10	264	3.14	5	<5	<2	8	17	2.2	<2	<2	76	.28	.234	9	28	.65	268	.16	3	4.56	.02	.13	<2	<5	1	1
L111N 48+50E	1	12	24	397	<.3	20	7	1401	2.57	6	<5	<2	4	23	5.9	<2	<2	50	.38	.230	4	18	.31	432	.18	3	3.93	.02	.08	<2	<5	1	<1
L111N 49+00E	2	15	13	280	<.3	16	5	974	2.75	3	<5	<2	5	10	1.6	<2	<2	40	.12	.234	5	14	.25	179	.17	3	4.55	.02	.08	2	<5	1	<1
L111N 49+50E	7	24	19	677	<.3	56	7	663	2.88	8	10	<2	13	20	5.0	<2	5	76	.23	.068	17	23	.40	393	.13	<3	3.32	.02	.11	<2	<5	1	1
L111N 50+00E	7	52	27	1574	.6	156	15	787	3.62	5	<5	<2	8	21	8.4	<2	2	126	.28	.119	16	45	.72	452	.16	<3	4.96	.02	.12	<2	<5	2	<1
L111N 50+50E	5	92	39	1871	1.4	178	13	2086	3.46	7	15	<2	8	37	23.2	<2	4	147	.49	.200	37	67	.71	506	.14	<3	4.00	.02	.13	<2	<5	2	<1
L111N 51+00E	4	148	22	2244	1.4	269	14	911	3.73	7	5	<2	11	47	16.4	<2	6	178	.59	.125	33	78	1.11	582	.18	<3	5.13	.02	.16	<2	<5	1	2
L111N 51+50E	2	66	25	1351	.4	84	12	399	3.05	4	<5	<2	8	23	8.1	<2	2	124	.33	.169	12	35	.62	334	.18	4	4.06	.02	.11	<2	<5	1	1
L111N 52+00E	2	92	24	972	1.2	86	17	970	3.40	3	<5	<2	6	94	14.4	<2	<2	122	.78	.061	50	122	1.05	455	.19	<3	3.91	.02	.14	<2	<5	1	3
L111N 52+50E	2	36	40	785	<.3	54	12	723	3.21	5	<5	<2	<2	28	4.8	<2	<2	182	.41	.150	6	30	.69	336	.14	3	2.45	.01	.10	<2	<5	2	1
L111N 53+00E	1	24	24	428	<.3	48	17	878	3.68	2	<5	<2	7	34	4.8	<2	2	93	.41	.310	10	41	.98	410	.27	3	2.98	.02	.21	<2	<5	1	2
L111N 53+50E	2	46	35	802	<.3	64	16	813	3.74	<2	<5	<2	7	35	5.0	<2	<2	143	.59	.270	18	43	1.23	564	.28	<3	3.52	.02	.23	<2	<5	2	<1
RE L111N 53+50E	2	42	35	756	<.3	59	15	760	3.50	<2	<5	<2	8	33	4.7	<2	<2	135	.58	.267	18	40	1.14	518	.26	3	3.27	.02	.21	<2	<5	2	<1
L111N 54+00E	1	18	43	504	<.3	34	11	838	2.90	2	<5	<2	6	25	7.1	<2	<2	92	.35	.143	11	30	.69	410	.19	<3	2.72	.02	.16	<2	<5	1	<1
L111N 54+50E	2	20	46	246	<.3	32	12	381	3.78	3	<5	<2	5	25	1.7	<2	<2	127	.30	.142	9	35	.71	232	.24	3	2.99	.02	.11	<2	<5	2	3
L111N 55+00E	2	22	52	310	<.3	35	11	492	3.23	2	<5	<2	7	21	1.4	2	<2	105	.38	.205	14	34	.78	258	.20	<3	3.32	.01	.14	3	<5	2	8
L111N 55+50E	2	15	59	330	<.3	28	10	1124	2.95	4	<5	<2	6	22	1.7	<2	<2	98	.30	.216	11	32	.65	294	.18	<3	2.36	.01	.11	<2	<5	1	1
L111N 56+00E	2	23	36	252	<.3	35	11	454	3.43	4	<5	<2	10	26	.9	<2	4	102	.40	.249	16	39	.87	291	.22	<3	3.21	.01	.14	<2	<5	1	1
L111N 56+50E	1	20	32	303	<.3	35	12	754	3.60	<2	<5	<2	9	22	3.1	<2	3	92	.35	.392	14	39	.87	440	.23	<3	3.60	.02	.16	2	<5	1	1
L111N 57+00E	1	16	31	257	<.3	27	11	394	3.70	5	<5	<2	6	21	.9	2	2	80	.25	.385	8	36	.68	323	.25	3	3.26	.02	.12	<2	<5	1	<1
L111N 57+50E	2	16	19	184	<.3	21	9	2467	2.82	5	<5	<2	7	20	1.5	<2	<2	65	.23	.336	8	27	.46	276	.20	<3	3.09	.02	.10	2	<5	1	<1
L111N 58+00E	2	24	32	295	<.3	27	13	795	3.82	7	<5	<2	7	22	1.4	<2	<2	99	.26	.382	9	36	.61	228	.22	3	2.89	.02	.12	<2	<5	1	<1
L111N 58+50E	2	41	17	433	.4	24	10	651	3.20	3	<5	<2	3	21	5.2	<2	<2	107	.30	.274	8	24	.35	297	.15	<3	2.51	.02	.06	<2	<5	1	<1
L111N 59+00E	2	30	16	643	.7	31	9	500	3.00	2	<5	<2	5	14	5.3	2	<2	97	.27	.222	12	26	.54	238	.14	<3	3.58	.02	.06	<2	<5	1	1
L111N 59+50E	2	33	16	295	<.3	42	12	363	4.43	5	<5	<2	7	40	1.0	<2	<2	111	.47	.495	13	34	1.00	334	.28	<3	3.45	.02	.16	<2	<5	1	<1
L111N 60+00E	2	43	25	340	<.3	28	15	1660	3.11	2	<5	<2	5	26	1.9	<2	2	95	.45	.306	10	22	.50	423	.13	<3	2.23	.01	.07	<2	<5	1	<1
L109N 30+00E	1	30	8	174	<.3	29	13	995	3.06	7	<5	<2	7	46	.5	<2	<2	36	.55	.097	13	21	.48	247	.19	6	5.62	.04	.12	<2	<5	1	<1
L109N 30+50E	2	29	12	153	<.3	33	11	713	3.04	8	<5	<2	10	21	.6	<2	4	45	.20	.068	13	24	.52	164	.19	3	5.45	.02	.09	<2	<5	1	<1
L109N 31+00E	1	30	10	160	<.3	33	15	1286	3.33	3	<5	<2	6	16	.3	<2	<2	47	.17	.079	9	27	.51	233	.18	3	3.61	.02	.08	<2	<5	1	<1
L109N 31+50E	1	27	10	176	<.3	34	11	493	2.96	2	<5	<2	6	17	.8	<2	<2	42	.17	.083	11	21	.39	257	.19	3	4.80	.02	.08	<2	<5	1	<1
L109N 32+00E	1	32	11	164	<.3	42	15	1486	3.51	3	<5	<2	7	21	.7	<2	<2	53	.23	.073	13	29	.53	320	.19	4	4.70	.02	.12	<2	<5	1	<1
L109N 32+50E	1	35	14	175	<.3	42	13	1301	3.33	<2	<5	<2	8	27	.8	<2	<2	69	.43	.106	15	42	.92	724	.17	3	4.57	.02	.12	<2	<5	1	<1
L109N 33+00E	1	21	10	141	<.3	15	6	1370	2.07	4	<5	<2	4	14	<.2	<2	<2	29	.13	.178	7	13	.20	285	.17	3	3.65	.03	.06	<2	<5	<1	<1
L109N 33+50E	1	27	14	122	<.3	36	12	928	3.03	7	<5	<2	8	17	.4	2	<2	45	.23	.128	15	32	.55	567	.14	3	4.14	.02	.10	<2	<5	1	1
STANDARD C/AU-S	20	58	35	139	6.1	63	32	1086	4.00	39	15	7	39	52	18.3	17	20	58	.50	.093	37	57	.91	190	.08	28	1.85	.06	.14	11	<5	2	46

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L109N 34+00E	2	24	15	188	<.3	49	13	414	3.28	8	<5	<2	7	16	.6	<2	<2	57	.21	.162	11	36	.55	581	.17	3	4.44	.02	.11	<2	<5	1	3
L109N 34+50E	1	30	13	162	<.3	40	12	546	3.16	4	<5	<2	8	14	.5	<2	<2	49	.16	.192	14	35	.59	501	.18	<3	5.16	.03	.11	<2	<5	1	2
L109N 35+00E	1	32	7	243	<.3	67	21	727	3.52	6	<5	<2	8	22	.9	<2	<2	52	.27	.144	10	44	.73	367	.17	3	4.54	.03	.12	<2	<5	1	1
L109N 35+50E	2	29	9	275	1.0	26	12	888	4.03	6	<5	<2	5	21	.6	6	2	76	.27	.097	11	42	.67	310	.16	3	2.79	.02	.11	<2	<5	1	8
L109N 36+00E	2	24	12	151	<.3	27	9	423	3.34	8	<5	<2	7	11	.7	<2	<2	52	.11	.112	10	28	.56	162	.17	<3	3.35	.02	.10	<2	<5	1	1
L109N 36+50E	2	13	7	82	.3	17	6	257	1.49	6	<5	<2	5	8	1.8	<2	<2	25	.10	.054	6	14	.26	117	.09	<3	1.87	.01	.04	2	<5	1	1
L109N 37+00E	2	35	15	159	<.3	58	15	526	3.32	25	<5	<2	11	13	1.4	<2	6	54	.18	.120	16	50	.79	430	.13	3	3.46	.01	.18	<2	<5	1	2
L109N 37+50E	2	33	13	186	<.3	51	18	1046	4.68	46	<5	<2	10	14	.6	3	3	71	.14	.090	16	54	.97	223	.20	3	3.67	.01	.22	2	<5	1	3
L109N 38+00E	1	34	9	173	<.3	65	19	812	4.18	11	<5	<2	10	20	.6	2	3	63	.27	.106	21	60	1.03	220	.20	4	4.12	.02	.26	<2	<5	1	<1
L109N 38+50E	1	16	17	186	<.3	37	11	821	2.85	11	<5	<2	6	15	.4	<2	<2	44	.15	.092	12	32	.50	232	.16	3	3.02	.02	.12	<2	<5	1	5
L109N 39+00E	2	17	20	249	<.3	43	11	414	3.24	8	<5	<2	9	17	.5	<2	<2	47	.20	.307	11	41	.58	238	.17	3	4.26	.02	.13	2	<5	<1	<1
L109N 39+50E	3	20	15	290	<.3	49	15	360	3.35	15	<5	<2	8	17	.7	<2	<2	55	.20	.263	10	43	.52	141	.16	<3	4.18	.02	.13	<2	<5	1	1
L109N 40+00E	2	48	19	255	<.3	49	15	342	3.44	10	<5	<2	12	18	.7	3	4	95	.28	.093	26	49	.98	225	.15	3	3.10	.01	.24	<2	<5	1	2
L109N 40+50E	2	24	24	258	<.3	35	12	285	3.57	6	<5	<2	9	18	1.1	<2	<2	69	.42	.129	12	39	.67	150	.17	3	4.93	.02	.14	<2	<5	1	1
L109N 41+00E	1	31	25	414	.4	40	12	285	3.43	5	<5	<2	10	24	1.4	<2	3	83	.61	.128	15	38	.63	180	.17	<3	5.01	.03	.12	<2	<5	1	1
L109N 41+50E	3	29	24	554	.3	33	14	360	3.62	8	<5	<2	11	15	3.8	3	3	73	.32	.244	18	39	.61	232	.16	3	4.45	.02	.14	2	<5	1	1
L109N 42+00E	6	83	54	663	1.0	30	8	928	2.02	23	60	<2	5	56	8.2	<2	<2	99	3.19	.141	23	61	.51	378	.06	3	2.56	.02	.10	5	<5	1	2
RE L109N 42+50E	3	50	17	426	1.0	42	9	298	2.79	21	23	<2	9	29	4.2	<2	3	148	.82	.118	19	49	.56	268	.19	<3	5.73	.04	.08	<2	<5	2	1
L109N 42+50E	3	48	14	406	1.0	39	9	283	2.68	21	20	<2	8	27	4.2	<2	<2	142	.78	.113	18	45	.54	255	.18	<3	5.49	.03	.07	3	<5	2	2
L109N 43+00E	3	65	25	475	<.3	49	13	392	3.40	6	<5	<2	13	20	2.9	<2	4	137	.33	.192	25	42	.69	351	.17	3	5.34	.02	.13	<2	<5	1	2
L109N 43+50E	2	35	21	445	.4	33	9	452	2.84	7	<5	<2	5	17	3.0	<2	<2	134	.26	.388	10	29	.47	250	.14	<3	3.48	.02	.08	<2	<5	2	1
L109N 44+00E	3	54	28	1182	3.6	70	14	382	3.34	10	<5	<2	6	24	3.6	<2	<2	231	.45	.325	11	48	.89	326	.13	3	3.37	.01	.10	<2	<5	2	1
L109N 44+50E	2	37	102	618	.5	36	11	1812	3.04	6	<5	<2	7	31	5.9	2	2	101	.48	.087	48	49	.88	433	.14	<3	3.30	.02	.16	<2	<5	1	1
L109N 45+00E	2	28	50	576	<.3	40	11	416	3.24	7	<5	<2	10	21	3.0	2	4	91	.34	.114	21	44	.98	540	.15	3	3.50	.02	.19	<2	<5	1	1
L109N 45+50E	2	32	48	511	<.3	41	11	413	3.04	5	<5	<2	10	23	3.1	3	4	94	.47	.093	22	45	.97	544	.15	3	3.10	.01	.20	<2	<5	1	9
L109N 46+00E	2	24	36	1028	<.3	72	11	440	3.44	3	<5	<2	10	24	8.7	<2	4	98	.35	.143	14	42	.77	679	.16	<3	4.64	.02	.16	<2	<5	1	1
L109N 46+50E	1	32	38	414	.3	36	10	570	3.00	4	<5	<2	11	20	3.6	<2	4	93	.28	.237	12	30	.68	367	.19	3	4.91	.03	.14	<2	<5	1	<1
L109N 47+00E	4	12	19	350	<.3	25	7	832	2.93	3	<5	<2	9	12	2.9	<2	5	52	.15	.136	8	20	.26	318	.18	3	4.62	.02	.08	<2	<5	1	1
L109N 47+50E	8	31	24	716	.3	68	9	1927	3.46	9	5	<2	10	22	8.0	<2	4	109	.25	.146	25	30	.39	463	.20	<3	4.83	.02	.09	<2	<5	1	1
L109N 48+00E	2	10	15	247	<.3	13	5	1391	2.58	7	<5	<2	4	9	2.4	<2	2	41	.09	.172	5	12	.17	189	.18	<3	3.57	.02	.05	<2	<5	1	<1
L109N 48+50E	2	11	9	341	<.3	15	4	1163	2.19	2	<5	<2	6	11	3.6	<2	<2	33	.11	.121	4	10	.13	188	.18	<3	4.05	.02	.06	<2	<5	<1	1
L109N 49+00E	2	9	21	211	<.3	11	6	1005	2.31	5	<5	<2	4	14	2.9	4	2	39	.19	.550	4	12	.15	269	.15	<3	2.30	.02	.07	<2	<5	<1	<1
L109N 49+50E	5	11	13	247	<.3	9	5	712	2.54	5	<5	<2	11	14	3.0	4	4	41	.20	.143	13	11	.27	256	.06	<3	2.61	.02	.10	<2	<5	<1	<1
L109N 50+00E	3	55	39	1782	.7	154	14	2711	2.97	7	<5	<2	6	42	29.2	3	2	149	.64	.131	12	37	.70	544	.15	<3	2.92	.02	.12	<2	<5	1	1
L109N 50+50E	3	40	24	792	.7	57	25	762	4.03	2	<5	<2	7	23	5.6	3	4	160	.31	.237	10	34	.59	305	.16	<3	3.97	.02	.11	<2	<5	1	<1
STANDARD C/AU-S	20	56	35	130	5.9	64	31	987	3.90	41	21	7	38	50	18.5	19	23	60	.49	.091	37	57	.89	182	.08	25	1.82	.06	.14	10	<5	1	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L109N 51+00E	2	46	12	591	<.3	58	19	703	3.91	6	<5	<2	4	25	5.2	<2	2	90	.25	.163	8	43	.82	240	.20	<3	4.10	.02	.16	<2	<5	<1	3
L109N 51+50E	1	37	16	636	<.3	80	16	757	3.37	4	<5	<2	6	31	4.8	<2	<2	69	.30	.181	10	76	.99	306	.23	<3	3.54	.03	.14	<2	<5	<1	2
L109N 52+00E	1	24	22	546	<.3	52	14	771	3.27	4	<5	<2	6	38	12.3	<2	<2	83	.51	.332	13	29	.78	482	.22	<3	4.20	.02	.18	<2	<5	1	4
L109N 52+50E	2	26	30	771	.3	60	12	376	3.33	9	<5	<2	5	30	8.4	2	<2	118	.42	.141	10	30	.77	325	.23	3	3.50	.02	.14	<2	<5	1	2
L109N 53+00E	2	31	52	571	<.3	54	13	590	3.18	6	6	<2	7	26	5.1	<2	<2	113	.47	.155	17	34	.87	396	.19	3	3.46	.02	.18	<2	<5	1	2
L109N 53+50E	3	93	49	1352	.4	103	16	503	3.42	6	6	<2	11	36	7.8	<2	5	175	.64	.202	34	49	1.24	353	.19	<3	3.47	.02	.18	<2	<5	1	2
L109N 54+00E	1	20	31	348	<.3	27	10	520	2.97	6	<5	<2	8	47	2.9	<2	<2	72	.53	.215	13	31	.73	507	.29	3	2.50	.02	.17	<2	<5	1	1
L109N 54+50E	2	35	60	656	<.3	60	13	913	3.52	6	<5	<2	6	34	5.2	<2	<2	150	.46	.191	17	39	.86	428	.22	3	3.65	.02	.16	<2	<5	1	4
L109N 55+00E	2	16	35	239	<.3	30	10	763	3.83	6	<5	<2	5	29	1.4	2	<2	101	.34	.146	10	32	.69	232	.27	<3	2.25	.02	.12	<2	<5	1	1
L109N 55+50E	2	14	40	241	<.3	27	10	709	3.00	4	<5	<2	4	29	1.2	<2	<2	92	.38	.107	9	32	.72	252	.25	<3	1.90	.02	.12	<2	<5	<1	2
L109N 56+00E	2	42	56	488	<.3	65	13	515	3.49	8	<5	<2	11	34	2.4	<2	3	134	.69	.369	25	49	1.16	511	.19	<3	3.80	.01	.21	<2	<5	1	2
L109N 56+50E	1	24	29	291	<.3	46	14	457	3.78	5	<5	<2	10	32	1.7	<2	3	101	.50	.358	18	47	1.08	409	.28	<3	3.89	.02	.20	<2	<5	1	1
L109N 57+00E	2	15	23	255	<.3	32	11	353	3.19	7	<5	<2	5	38	1.5	3	2	79	.38	.155	9	30	.61	286	.21	3	4.11	.02	.11	<2	<5	1	1
L107N 30+00E	1	23	12	213	<.3	28	18	1216	2.88	11	5	<2	6	53	.3	<2	<2	34	.75	.138	13	27	.52	286	.13	3	4.22	.02	.11	<2	<5	<1	2
L107N 30+50E	2	32	16	175	.6	41	14	566	2.94	12	5	<2	8	24	.4	<2	2	39	.30	.089	12	24	.45	191	.16	3	4.42	.02	.10	<2	<5	<1	1
L107N 31+00E	1	45	14	136	<.3	54	16	681	3.63	10	<5	<2	9	15	.3	<2	<2	45	.16	.069	15	35	.55	226	.15	3	4.31	.02	.11	<2	<5	1	1
L107N 31+50E	1	23	13	194	<.3	27	9	514	2.73	5	5	<2	6	18	.5	<2	<2	37	.18	.089	7	19	.31	210	.18	<3	4.71	.03	.07	<2	<5	<1	1
RE L107N 31+50E	1	22	8	191	<.3	25	10	502	2.69	6	<5	<2	5	17	.5	<2	2	37	.17	.087	7	19	.31	206	.18	3	4.61	.03	.07	<2	<5	1	1
L107N 32+00E	1	66	12	174	<.3	40	15	638	3.35	9	<5	<2	7	26	.5	<2	<2	54	.24	.178	12	30	.71	240	.19	3	4.64	.03	.11	<2	<5	1	2
L107N 32+50E	1	59	17	149	<.3	47	15	985	3.19	3	5	<2	5	30	.3	<2	<2	44	.31	.108	10	27	.49	281	.13	3	3.70	.02	.11	<2	<5	<1	1
L107N 33+00E	1	27	12	99	<.3	27	10	315	2.86	7	<5	<2	6	20	<.2	<2	<2	39	.23	.086	7	22	.42	253	.18	4	5.31	.03	.07	<2	<5	1	2
L107N 33+50E	1	35	13	145	<.3	44	13	1114	3.20	7	<5	<2	7	19	<.2	<2	<2	47	.21	.071	12	27	.51	403	.18	3	4.62	.02	.10	<2	<5	<1	1
L107N 34+00E	1	42	12	207	<.3	113	20	848	3.88	10	<5	<2	9	20	.2	2	4	64	.32	.114	16	61	.97	860	.19	3	4.20	.02	.24	<2	<5	1	1
L107N 34+50E	1	30	14	231	<.3	87	22	1233	4.52	15	<5	<2	6	15	<.2	2	<2	66	.19	.066	11	100	1.07	252	.22	3	3.93	.02	.13	<2	<5	<1	1
L107N 35+00E	1	45	13	159	<.3	127	23	974	3.66	7	<5	<2	6	15	.3	2	<2	62	.24	.127	10	110	.97	465	.24	4	4.89	.03	.15	<2	<5	1	1
L107N 35+50E	1	26	8	153	<.3	30	11	966	2.82	6	<5	<2	5	14	.2	<2	2	43	.15	.143	8	23	.40	338	.19	4	4.37	.03	.07	<2	<5	<1	1
L107N 36+00E	1	24	53	226	<.3	35	9	1581	2.69	19	7	<2	17	33	2.3	<2	8	117	3.20	.940	45	35	1.03	2893	.07	7	3.42	.02	.12	<2	<5	1	1
L107N 36+50E	2	29	27	295	<.3	78	20	1176	3.23	11	<5	<2	6	25	1.6	<2	4	73	.58	.153	15	37	.74	845	.12	4	3.27	.02	.14	3	<5	<1	5
L107N 37+00E	1	35	27	401	<.3	64	15	760	3.24	17	5	<2	11	33	1.0	<2	19	62	.72	.290	21	41	.72	2202	.13	3	3.49	.02	.17	<2	<5	<1	13
L107N 37+50E	1	29	25	623	<.3	117	37	2627	4.71	8	<5	<2	10	33	1.8	<2	4	58	.65	.104	13	107	1.45	539	.27	4	3.44	.02	.50	<2	5	1	17
L107N 38+00E	1	31	12	187	<.3	106	23	681	4.49	7	<5	<2	9	24	.2	<2	2	64	.40	.064	11	94	1.27	394	.25	3	4.46	.02	.34	<2	<5	1	1
L107N 38+50E	3	27	27	348	<.3	51	15	935	4.04	9	<5	<2	7	17	.9	2	2	57	.32	.146	10	64	.90	216	.20	<3	2.70	.02	.22	<2	<5	<1	1
L107N 39+00E	3	21	15	160	<.3	77	17	224	3.24	6	<5	<2	7	16	<.2	<2	<2	50	.27	.044	14	80	1.12	194	.16	3	3.42	.02	.12	<2	<5	1	2
L107N 39+50E	2	19	22	213	<.3	39	11	459	3.17	9	5	<2	8	12	.3	4	<2	66	.17	.103	12	37	.56	176	.15	<3	3.36	.02	.11	3	<5	1	1
L107N 40+00E	2	27	20	374	.3	58	11	614	3.28	12	<5	<2	11	27	.8	<2	2	56	.43	.172	16	37	.64	174	.18	3	4.68	.03	.14	<2	<5	<1	2
STANDARD C/AU-S	20	58	34	131	6.2	70	32	1089	3.99	42	18	7	38	51	17.9	17	23	57	.50	.090	38	57	.92	189	.08	28	1.88	.06	.14	9	<5	1	49

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L107N 40+50E	3	48	40	336	<.3	47	10	410	2.84	8	<5	<2	10	36	.5	<2	3	133	.67	.145	25	47	1.00	220	.13	3	2.31	.01	.18	<2	<5	1	2
L107N 41+00E	2	30	57	261	<.3	33	10	1847	3.06	9	<5	<2	8	14	1.0	<2	<2	84	.23	.147	14	36	.65	213	.16	3	3.60	.02	.13	<2	<5	1	<1
L107N 41+50E	2	42	59	376	<.3	39	12	934	3.39	8	<5	<2	9	18	1.2	<2	<2	124	.36	.293	12	38	.68	211	.15	3	4.77	.02	.14	2	<5	2	1
L107N 42+00E	1	31	34	313	<.3	35	11	295	3.02	4	<5	<2	10	17	1.1	<2	3	67	.27	.096	11	31	.65	209	.16	3	4.78	.02	.16	<2	<5	1	2
L107N 42+50E	1	28	32	314	<.3	31	10	1590	3.01	3	<5	<2	8	19	1.9	<2	<2	75	.33	.200	13	31	.58	275	.17	3	4.31	.02	.15	<2	<5	1	<1
L107N 43+00E	1	26	30	347	<.3	32	9	367	3.05	6	<5	<2	8	13	1.2	<2	<2	92	.17	.242	10	32	.62	212	.17	<3	4.67	.02	.11	<2	<5	1	1
L107N 43+50E	1	23	46	394	.3	29	10	311	3.17	10	<5	<2	7	11	1.1	<2	<2	61	.15	.214	12	33	.60	185	.16	3	4.85	.02	.13	<2	<5	1	1
L107N 44+00E	3	39	35	590	1.4	36	8	511	2.99	39	<5	<2	9	31	7.7	<2	<2	67	.84	.086	23	42	.56	246	.19	4	5.04	.04	.11	<2	<5	1	1
L107N 44+50E	5	118	61	886	3.7	71	11	1030	3.17	38	5	<2	7	39	10.2	<2	<2	139	1.17	.084	43	58	1.10	405	.14	4	3.64	.04	.15	5	<5	2	16
L107N 45+00E	2	39	53	558	<.3	42	11	373	3.10	25	<5	<2	11	19	3.2	<2	3	110	.56	.324	11	37	.91	268	.15	<3	3.93	.02	.12	3	<5	1	2
L103N 39+50E	2	26	104	366	<.3	38	11	860	3.19	17	<5	<2	8	18	1.1	<2	<2	59	.46	.204	10	31	.70	172	.17	<3	4.73	.02	.17	4	<5	1	4
L103N 40+00E	3	20	231	934	<.3	30	11	633	3.52	14	<5	<2	9	22	1.7	<2	<2	48	.31	.110	12	30	.70	167	.19	3	5.09	.03	.16	<2	<5	1	1
L103N 40+50E	3	36	215	464	<.3	51	18	482	4.26	28	<5	<2	13	25	.9	<2	4	61	.44	.132	16	47	1.06	162	.19	4	5.20	.04	.24	3	<5	1	4
RE L103N 40+50E	4	37	219	471	<.3	50	18	488	4.33	29	<5	<2	13	25	1.2	<2	3	62	.45	.134	16	47	1.07	163	.19	4	5.29	.03	.25	2	<5	2	2
L103N 41+00E	1	32	53	338	<.3	31	12	737	4.02	5	<5	<2	15	49	.4	<2	3	49	.63	.143	23	39	1.96	133	.24	4	7.15	.08	.12	3	<5	1	3
L103N 41+50E	5	18	94	1726	<.3	40	18	1296	4.41	17	<5	<2	7	17	2.5	<2	2	58	.35	.109	13	40	.98	130	.20	3	3.84	.02	.19	<2	<5	1	5
L103N 42+00E	2	31	61	647	<.3	34	14	1193	4.14	5	<5	<2	15	21	1.7	<2	5	56	.54	.116	24	37	2.33	135	.20	4	5.57	.02	.11	<2	<5	1	3
L103N 42+50E	7	13	45	3659	<.3	29	11	1814	3.39	14	5	<2	8	20	7.4	2	2	50	.41	.056	13	36	.62	175	.19	4	3.64	.03	.15	<2	<5	1	4
L103N 43+00E	4	26	64	3439	.4	35	12	918	3.50	25	<5	<2	12	32	11.5	<2	3	55	.83	.056	19	41	1.00	335	.16	<3	3.70	.04	.25	<2	<5	1	3
L103N 43+50E	4	16	36	407	<.3	17	8	2866	2.75	7	<5	<2	8	23	7.6	<2	<2	48	.32	.218	7	21	.35	419	.17	3	3.60	.03	.12	<2	<5	<1	<1
L103N 44+00E	2	17	41	500	<.3	23	10	646	3.22	12	<5	<2	5	16	1.7	<2	<2	80	.31	.212	9	29	.58	221	.15	<3	3.98	.02	.12	<2	<5	1	2
L103N 44+50E	1	22	74	449	<.3	34	12	708	3.46	8	<5	<2	10	14	2.2	<2	4	79	.33	.065	15	40	1.00	245	.15	<3	4.09	.01	.15	<2	<5	<1	2
L103N 45+00E	2	21	46	300	<.3	22	7	607	3.52	10	5	<2	6	12	.5	3	<2	93	.17	.149	14	35	.60	138	.13	<3	3.09	.01	.11	2	<5	1	2
L103N 45+50E	3	29	56	418	<.3	29	9	346	2.54	8	<5	<2	8	17	1.5	4	<2	103	.48	.175	21	33	.65	174	.09	<3	1.89	.01	.12	4	<5	1	3
L103N 46+00E	2	23	71	818	.8	25	9	586	2.88	12	<5	<2	10	12	3.8	<2	4	61	.33	.151	20	31	.66	226	.14	3	3.51	.02	.13	6	<5	<1	2
L103N 46+50E	2	23	51	406	1.6	27	9	506	2.49	7	<5	<2	7	18	4.0	<2	2	86	.40	.237	17	30	.49	378	.12	3	3.29	.02	.11	3	<5	1	2
L103N 47+00E	4	31	57	477	<.3	35	10	609	2.77	9	<5	<2	6	16	2.8	<2	<2	124	.39	.209	17	34	.69	446	.10	<3	2.33	.01	.13	28	<5	1	2
L103N 47+50E	2	37	103	1241	.4	46	10	752	3.21	8	<5	<2	6	19	10.5	<2	<2	127	.53	.168	17	42	.70	326	.13	4	3.78	.02	.13	<2	<5	2	1
L103N 48+00E	3	44	35	858	1.1	52	9	551	2.55	5	<5	<2	7	27	6.2	<2	<2	174	.93	.366	22	43	.70	353	.10	4	2.55	.01	.14	2	<5	1	2
L103N 48+50E	2	36	48	505	1.2	29	10	623	2.84	6	<5	<2	4	15	4.5	2	2	143	.31	.327	13	35	.56	291	.11	<3	2.82	.01	.12	<2	<5	1	1
L103N 49+00E	3	42	75	644	<.3	43	9	656	2.76	11	<5	<2	6	21	4.4	2	<2	154	.61	.309	17	35	.75	358	.09	<3	2.32	.01	.13	<2	<5	1	3
L103N 49+50E	2	60	32	706	1.2	55	11	197	3.18	9	8	<2	10	13	2.9	<2	4	163	.13	.194	16	35	.65	202	.15	3	4.16	.02	.09	<2	<5	1	5
L103N 50+00E	2	47	11	473	.5	48	19	686	3.77	9	<5	<2	9	34	3.2	<2	<2	86	.33	.157	17	43	.83	199	.18	3	6.29	.02	.15	<2	<5	1	6
L103N 50+50E	3	71	20	766	.7	60	13	380	3.24	7	9	<2	10	15	3.2	2	5	225	.29	.226	20	37	.66	204	.14	4	3.59	.01	.11	<2	<5	1	3
L103N 51+00E	3	38	21	683	1.1	43	9	310	2.46	6	8	<2	5	18	4.3	4	2	246	.51	.373	14	35	.52	205	.10	3	2.33	.01	.09	<2	<5	2	3
STANDARD C/AU-S	20	58	36	137	6.3	65	33	1116	4.07	40	21	7	40	51	18.3	17	24	58	.50	.093	39	55	.93	173	.08	25	1.87	.06	.14	10	<5	2	45

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L103N 51+50E	4	45	29	633	2.3	48	10	464	2.74	7	7	<2	5	35	4.6	2	<2	185	.58	.361	17	42	.70	299	.13	<3	2.63	.02	.09	<2	<5	1	4
L103N 52+00E	6	107	34	1102	1.7	110	21	900	4.18	13	12	<2	4	32	5.0	<2	2	217	.43	.227	17	63	1.09	316	.12	<3	3.66	.02	.13	<2	<5	2	4
L103N 52+50E	5	90	41	775	1.7	75	15	658	3.39	10	8	<2	5	33	3.6	2	<2	248	.52	.255	20	69	1.09	364	.13	3	2.75	.02	.12	<2	<5	2	4
L103N 53+00E	3	54	42	928	1.3	73	13	504	2.98	6	9	<2	4	28	5.9	2	<2	171	.40	.200	15	39	.74	310	.12	4	2.70	.02	.10	<2	<5	1	2
L103N 53+50E	5	76	30	1399	.7	153	21	336	4.11	11	6	<2	5	22	2.6	<2	<2	241	.29	.257	12	46	.92	206	.14	<3	4.06	.02	.10	<2	<5	1	2
L103N 54+00E	7	95	20	929	1.3	88	35	713	5.40	9	13	<2	6	31	4.4	<2	<2	168	.32	.210	11	31	.81	257	.14	3	4.72	.02	.10	<2	<5	1	2
L103N 54+50E	4	41	16	826	.7	42	9	438	3.70	5	8	<2	3	20	1.9	<2	<2	248	.36	.217	6	42	.98	173	.17	3	4.06	.02	.09	<2	<5	2	2
L103N 55+00E	5	36	10	443	1.8	27	5	158	3.36	5	<5	<2	<2	18	1.1	<2	<2	156	.25	.152	5	27	.55	146	.16	3	4.97	.02	.06	<2	<5	1	1
L103N 55+50E	8	75	20	475	2.3	40	5	311	3.74	7	6	<2	<2	20	1.4	<2	<2	189	.28	.187	9	38	.88	136	.12	3	3.58	.01	.09	<2	<5	2	1
L103N 56+00E	8	88	24	407	1.2	39	5	204	3.67	5	<5	<2	2	17	.8	<2	<2	235	.23	.185	9	43	1.00	159	.13	<3	3.31	.01	.08	<2	<5	1	1
L103N 56+50E	6	150	32	987	1.7	91	29	461	3.66	6	5	<2	2	23	5.3	<2	<2	172	.30	.155	11	34	.57	239	.13	3	3.55	.02	.07	<2	<5	1	<1
L103N 57+00E	6	108	13	839	2.4	59	9	207	3.99	4	5	<2	2	14	2.1	<2	<2	228	.21	.147	8	48	1.02	206	.14	<3	3.96	.01	.07	<2	<5	2	1
L103N 57+50E	5	87	22	509	2.3	43	9	502	3.91	9	7	<2	5	21	1.7	2	<2	157	.37	.346	11	39	.72	683	.12	3	2.66	.02	.10	<2	<5	2	2
L103N 58+00E	6	150	11	410	1.7	62	11	255	4.41	7	7	<2	5	13	.8	<2	<2	199	.26	.314	10	51	.98	336	.13	3	3.52	.01	.08	<2	<5	1	2
L103N 58+50E	5	166	14	511	1.6	63	29	482	4.04	7	<5	<2	3	17	2.2	<2	<2	157	.31	.230	12	46	.86	461	.15	4	3.08	.02	.08	<2	<5	1	1
L103N 59+00E	4	247	15	476	1.8	59	38	853	3.63	4	<5	<2	<2	27	4.8	<2	<2	139	.55	.211	20	50	.69	734	.08	3	2.37	.02	.08	<2	<5	1	1
L103N 59+50E	3	133	16	443	1.6	50	10	388	3.31	5	<5	<2	<2	19	2.6	<2	<2	131	.46	.389	15	38	.60	435	.09	<3	2.52	.01	.07	2	<5	1	1
L103N 60+00E	3	37	29	472	2.3	25	8	369	3.17	7	<5	<2	2	17	2.1	<2	<2	114	.36	.495	8	27	.44	256	.12	3	2.85	.01	.07	<2	<5	1	<1
L85N 36+50E	2	29	1143	6521	<.3	73	8	1472	3.62	17	<5	<2	9	23	28.5	<2	<2	58	.41	.146	21	38	.72	244	.18	5	3.45	.04	.19	<2	<5	<1	7
L85N 37+00E	<1	19	135	1096	<.3	21	4	978	2.39	7	<5	<2	6	69	5.7	<2	<2	38	3.34	.300	11	18	.86	268	.13	7	3.01	.03	.15	<2	<5	<1	2
L85N 37+50E	2	17	322	2718	.3	40	7	850	5.18	12	<5	<2	9	30	11.1	<2	3	194	1.18	.143	16	30	1.83	168	.17	4	4.16	.03	.13	<2	<5	2	2
L85N 38+00E	1	15	161	1077	.6	22	3	1135	2.78	15	6	<2	9	71	5.1	<2	<2	44	8.30	.148	9	12	4.43	131	.07	5	2.07	.02	.06	<2	<5	<1	2
L85N 38+50E	1	19	130	493	<.3	23	5	1576	2.63	9	<5	<2	9	40	3.0	<2	3	83	2.94	.534	26	27	2.81	222	.15	5	4.31	.03	.11	<2	<5	<1	2
RE L85N 38+50E	1	19	126	480	<.3	23	5	1556	2.61	8	<5	<2	10	40	3.0	<2	2	82	2.92	.532	25	28	2.78	220	.15	7	4.28	.03	.11	<2	<5	<1	2
L85N 39+00E	1	29	212	746	.3	29	8	2045	2.75	8	<5	<2	10	45	8.5	2	2	45	2.40	.450	17	27	1.39	390	.14	7	3.58	.03	.17	<2	<5	<1	2
L85N 39+50E	3	28	129	601	<.3	58	8	926	4.13	10	5	<2	14	27	3.7	<2	5	154	1.40	.242	34	49	5.02	271	.18	4	5.69	.02	.16	<2	<5	2	2
L85N 40+00E	1	28	121	386	<.3	38	10	1123	3.39	9	<5	<2	10	28	2.3	2	4	64	1.11	.288	27	39	1.30	233	.15	6	4.46	.03	.18	2	<5	1	2
L85N 40+50E	1	25	95	502	<.3	17	4	2116	2.06	8	<5	<2	10	55	4.8	<2	2	36	4.48	.498	15	20	1.14	390	.11	7	3.09	.02	.11	<2	<5	<1	2
L85N 41+00E	1	22	73	339	<.3	30	7	1139	2.73	5	<5	<2	9	29	3.1	<2	<2	60	1.01	.242	21	26	1.19	204	.17	6	4.46	.04	.12	<2	<5	<1	2
L85N 41+50E	1	22	92	345	<.3	33	8	1187	3.17	3	<5	<2	13	36	3.4	<2	2	82	1.68	.470	29	31	1.78	266	.17	7	5.17	.04	.13	3	<5	1	1
L85N 42+00E	2	18	53	576	<.3	26	6	1453	2.57	7	<5	<2	7	20	3.8	<2	<2	43	.42	.512	11	24	.55	342	.15	3	3.60	.03	.15	<2	<5	<1	2
L85N 42+50E	1	21	116	441	<.3	23	5	2886	2.20	7	<5	<2	12	60	4.8	2	4	53	5.54	.444	17	23	3.13	300	.09	8	3.04	.02	.13	2	<5	1	8
L85N 43+00E	2	31	94	473	<.3	42	8	1707	3.28	6	<5	<2	14	30	4.6	<2	2	90	1.51	.259	26	40	4.02	437	.19	5	4.93	.03	.20	<2	<5	1	2
L85N 43+50E	1	30	92	457	<.3	51	10	1312	3.37	9	<5	<2	11	28	4.6	4	2	82	1.48	.419	31	38	1.67	403	.13	5	4.21	.02	.24	<2	<5	1	2
L85N 44+00E	2	43	114	1359	.3	67	13	1561	3.59	22	<5	<2	10	22	16.2	3	3	109	.53	.369	16	38	.95	429	.13	5	3.31	.02	.24	<2	<5	1	2
STANDARD C/AU-S	21	59	39	141	6.3	67	30	1070	4.10	41	19	7	41	53	18.4	16	20	57	.53	.097	40	60	.96	173	.09	25	1.96	.06	.15	11	<5	2	51

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

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4411 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
1000	136	28	6	47	<.3	28	10	1289	2.56	349	<5	<2	7	32	.2	<2	<2	10	1.62	.038	13	26	.21	58	<.01	3	.55	.03	.20	14	<5	<1	<.001
1001	4574	68	13	94	1.2	9	8	2797	3.22	43	18	3	5	37	.5	6	12	16	4.99	.037	10	9	.74	15	.04	15	.83	.01	.01	1184	6	1	<.001
1002	4010	15	22	4	<.3	5	3	262	1.84	426	21	<2	7	13	.2	2	<2	1	.33	.031	4	7	.06	27	<.01	5	.27	.03	.22	13	<5	1	.001
1003	40	13	4	5	.3	9	1	55	.47	19	<5	<2	<2	2	<.2	<2	<2	1	.03	.002	<1	13	.01	43	<.01	<3	.04	.01	.01	4	<5	<1	<.001
1004	33	52	1600	4	15.9	17	26	320	4.37	80	<5	17	<2	10	.4	101	6015	14	.43	.079	3	15	.02	14	<.01	3	.09	.01	.05	17	<5	<1	.253
1005	15	7	127	3	8.3	12	1	180	.60	30	<5	3	<2	1	.2	4	638	2	.02	.006	3	16	.01	28	<.01	<3	.12	.01	.07	4	<5	<1	.048
1006	12	29	37	3	6.1	9	2	120	1.28	7	<5	25	<2	3	.2	8	5039	6	.14	.018	<1	15	.01	23	<.01	<3	.04	.01	.01	70	<5	<1	.562
RE 1006	13	31	41	2	6.0	10	2	121	1.35	7	<5	25	<2	4	<.2	8	5598	6	.15	.019	<1	14	.01	25	<.01	<3	.04	.01	.01	78	<5	<1	.546
RRE 1006	13	31	48	3	5.4	9	2	116	1.38	7	<5	29	<2	3	<.2	9	7456	5	.11	.015	<1	11	.01	28	<.01	<3	.03	<.01	.01	71	<5	<1	.838
1007	19	135	3	38	.7	4	2	1476	3.26	5	11	<2	<2	165	.3	3	91	9	15.29	.107	8	1	5.65	49	.01	9	.30	.01	.23	77	<5	<1	.005
1008	232	2566	4	68	4.8	7	1	6249	3.88	7	9	<2	8	20	.4	<2	20	9	5.39	.103	8	13	.32	27	.05	<3	1.78	.01	.02	4	6	<1	.001
1009	139	1904	<3	160	3.8	6	22	1647	28.58	<2	<5	11	<2	13	.4	2	1183	14	.90	.061	1	5	.86	12	.03	<3	1.55	.07	1.08	858	8	<1	.034
1010	1294	195	4	113	.6	6	2	3765	4.04	3	6	2	6	13	.3	<2	43	7	3.51	.156	14	17	.25	12	.04	<3	1.31	.01	.01	90	<5	<1	.003
STANDARD C/AU-1	20	58	35	125	6.4	62	32	1038	3.98	40	15	7	37	51	18.1	18	17	59	.50	.093	39	68	.90	188	.08	26	1.86	.06	.15	10	<5	1	.097

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P7 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 30 1995 **DATE REPORT MAILED:** Nov 10/95 **SIGNED BY.** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L107N 45+50E	1	65	33	726	.8	52	11	639	3.08	7	12	<2	9	13	7.2	<2	<2	181	.23	.210	19	55	.70	412	.16	<3	4.56	.02	.12	<2	<5	1	3
L107N 46+00E	2	60	46	1200	.3	67	10	570	2.99	7	14	<2	9	20	7.5	2	<2	234	.62	.210	21	76	1.08	449	.13	<3	3.31	.02	.14	<2	5	<1	1
L107N 46+50E	<1	42	18	495	2.0	36	9	264	2.74	9	<5	<2	5	17	1.6	<2	<2	133	.25	.352	8	31	.49	221	.17	<3	3.95	.02	.08	<2	<5	1	2
L107N 47+00E	2	41	21	722	1.0	41	15	546	2.81	5	7	<2	5	17	3.4	2	<2	178	.25	.431	10	49	.55	364	.13	<3	3.00	.02	.08	<2	<5	2	1
L107N 47+50E	<1	18	26	561	.7	26	10	803	2.94	6	<5	<2	5	22	3.5	<2	<2	104	.37	.339	9	45	.35	428	.17	<3	3.04	.02	.11	<2	<5	1	<1
L107N 48+00E	1	32	29	1116	.7	71	14	903	3.41	10	9	<2	7	14	3.6	3	<2	150	.20	.369	11	61	.59	362	.16	3	4.45	.02	.12	<2	<5	<1	<1
L107N 48+50E	1	25	25	540	.3	37	11	772	3.27	5	6	<2	8	12	2.7	<2	<2	89	.15	.275	9	44	.50	205	.19	<3	5.42	.02	.11	<2	<5	<1	<1
L107N 49+00E	4	38	48	899	.5	70	15	1003	3.76	7	<5	<2	9	14	4.9	<2	<2	174	.25	.296	13	72	.66	529	.13	<3	4.84	.01	.14	<2	<5	<1	2
L107N 49+50E	3	54	87	1453	1.2	88	15	1388	4.11	9	10	<2	6	22	23.9	4	<2	167	.44	.181	27	129	.99	1476	.13	3	4.93	.02	.24	<2	9	2	1
L107N 50+00E	<1	35	31	1419	1.0	71	12	720	3.23	7	<5	<2	6	18	16.5	2	<2	110	.28	.317	14	58	.67	466	.16	<3	4.12	.02	.13	<2	<5	<1	13
L107N 50+50E	3	40	29	1020	.9	56	12	771	3.08	8	8	<2	7	21	11.1	<2	<2	115	.34	.248	20	68	.76	715	.14	3	3.56	.02	.15	<2	<5	<1	1
L107N 51+00E	<1	27	25	1037	.4	42	15	1018	3.34	5	<5	<2	7	21	14.3	<2	<2	91	.38	.265	21	79	.88	683	.12	<3	3.78	.01	.18	<2	5	<1	2
L107N 51+50E	1	33	59	1205	.5	62	13	743	2.91	4	5	<2	6	21	7.7	<2	<2	134	.49	.283	17	63	.75	586	.12	<3	2.98	.01	.13	<2	6	2	4
L107N 52+00E	3	101	63	1616	.9	149	25	472	3.83	7	8	<2	8	24	3.7	2	<2	172	.45	.307	16	69	.91	435	.14	<3	3.98	.01	.14	<2	<5	<1	1
RE L107N 52+00E	3	101	62	1622	.9	149	25	472	3.84	10	12	<2	8	24	3.8	3	<2	172	.45	.309	16	70	.91	433	.14	<3	4.00	.01	.14	<2	<5	1	1
L107N 52+50E	1	113	69	1554	.9	108	21	923	2.97	9	8	<2	<2	42	15.1	<2	<2	149	.60	.151	22	66	.77	620	.09	<3	2.63	.01	.12	<2	5	<1	1
L107N 53+00E	1	60	47	1166	.5	87	18	584	3.23	7	<5	<2	3	21	7.5	<2	<2	157	.27	.239	12	66	.70	495	.15	<3	2.28	.02	.12	<2	<5	1	<1
L107N 53+50E	2	35	39	1080	1.4	66	17	2428	3.48	8	8	<2	4	22	3.7	3	<2	146	.28	.239	12	58	.62	645	.16	3	2.55	.02	.11	<2	11	1	1
L107N 54+00E	7	108	41	1814	1.8	153	27	1112	4.34	8	11	<2	2	39	8.4	4	<2	209	.40	.235	16	54	.83	305	.13	3	3.21	.01	.12	<2	9	<1	<1
L107N 54+50E	3	67	37	1486	.9	109	27	834	4.04	8	9	<2	3	39	9.3	3	<2	196	.51	.187	11	46	.66	485	.13	<3	2.89	.02	.10	<2	5	<1	1
L107N 55+00E	3	66	29	1052	2.5	82	17	513	3.96	3	<5	<2	4	20	2.4	<2	<2	223	.29	.192	10	43	.86	215	.14	<3	3.33	.01	.10	<2	<5	<1	1
L107N 55+50E	3	70	23	638	1.2	39	11	503	4.30	9	<5	<2	3	24	2.6	4	<2	220	.40	.231	7	65	.90	706	.15	<3	2.78	.02	.11	<2	<5	2	1
L107N 56+00E	7	130	25	840	1.9	72	13	414	5.57	8	5	<2	5	21	2.5	3	<2	294	.39	.394	7	71	1.00	255	.14	<3	4.16	.02	.08	<2	<5	1	3
L107N 56+50E	6	109	17	386	.7	33	9	510	3.23	5	<5	<2	<2	14	1.2	2	<2	264	.33	.267	8	60	1.09	158	.13	<3	3.33	.01	.08	<2	<5	<1	<1
L107N 57+00E	3	78	29	595	1.0	48	11	332	3.60	6	<5	<2	4	11	.4	2	<2	210	.21	.237	8	55	.75	329	.17	3	2.60	.01	.09	<2	<5	1	<1
L107N 57+50E	2	130	31	777	.6	99	21	521	3.48	7	5	<2	5	12	.7	<2	<2	123	.17	.323	10	41	.51	330	.15	3	3.06	.01	.08	<2	<5	<1	1
L107N 58+00E	2	104	32	671	1.0	74	14	387	3.58	7	<5	<2	4	14	1.1	3	<2	162	.22	.271	10	48	.69	368	.16	<3	3.28	.01	.09	<2	<5	<1	1
L107N 58+50E	1	84	19	506	.5	48	15	1090	3.73	3	<5	<2	3	18	1.2	4	<2	101	.47	.264	11	40	.50	374	.12	<3	2.52	.01	.07	<2	7	<1	1
L107N 59+00E	2	132	23	438	.3	60	14	365	3.48	4	<5	<2	4	15	1.2	<2	2	139	.34	.251	12	46	.60	261	.13	<3	3.01	.01	.08	<2	<5	<1	1
L107N 59+50E	3	109	28	499	.8	71	13	403	3.35	7	<5	<2	2	18	2.6	2	<2	128	.35	.270	12	56	.49	447	.11	<3	2.05	.01	.07	<2	<5	<1	<1
L107N 60+00E	1	96	31	565	1.1	58	17	810	3.54	6	<5	<2	<2	28	2.4	2	<2	124	.54	.216	15	61	.62	568	.13	<3	2.09	.01	.10	<2	<5	<1	1
L105N 30+00E	1	30	16	184	<.3	32	12	1169	2.90	9	<5	<2	4	26	<.2	3	<2	44	.24	.120	10	33	.36	267	.16	<3	3.15	.02	.07	<2	<5	2	<1
L105N 30+50E	1	132	13	158	<.3	73	24	384	4.01	13	8	<2	11	97	<.2	3	<2	58	1.16	.080	20	77	1.44	105	.18	3	5.01	.17	.13	<2	<5	1	2
L105N 31+00E	<1	53	16	135	<.3	58	19	264	3.92	13	<5	<2	9	12	<.2	<2	2	50	.13	.103	20	64	.88	156	.16	<3	4.51	.02	.19	<2	<5	<1	1
L105N 31+50E	2	24	12	118	<.3	37	11	187	3.55	9	<5	<2	5	9	<.2	3	<2	47	.10	.067	7	45	.41	110	.17	<3	4.78	.02	.09	<2	<5	1	<1
STANDARD C/AU-S	18	58	35	128	6.0	61	31	1086	3.93	39	18	7	35	48	16.9	20	16	58	.49	.091	37	68	.88	177	.08	28	1.84	.06	.15	11	<5	2	45

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L105N 32+00E	2	40	17	64	<.3	67	20	157	3.41	4	<5	<2	<2	18	<.2	<2	<2	52	.39	.017	5	27	.28	104	.28	3	3.90	.04	.06	2	<5	1	3
L105N 32+50E	2	33	21	112	<.3	68	16	719	3.41	9	6	<2	3	35	<.2	<2	2	53	.63	.027	33	75	.81	492	.14	5	3.51	.02	.14	<2	<5	<1	2
L105N 33+00E	1	36	30	203	<.3	89	21	1322	4.13	10	<5	<2	6	20	.2	<2	9	59	.27	.165	15	106	1.04	677	.21	3	3.50	.01	.24	<2	<5	<1	4
L105N 33+50E	<1	35	20	223	<.3	101	23	1081	4.52	8	<5	<2	5	22	<.2	<2	<2	64	.37	.133	15	100	1.18	695	.27	5	3.76	.02	.25	<2	8	1	3
L105N 34+00E	1	64	20	221	<.3	127	31	1207	5.00	5	<5	<2	3	18	<.2	<2	<2	99	.39	.092	13	136	1.34	599	.35	3	3.78	.03	.28	<2	<5	<1	3
L105N 34+50E	1	33	25	205	<.3	48	15	1497	3.49	6	<5	<2	5	24	.6	<2	<2	50	.36	.112	15	47	.65	374	.21	7	4.57	.02	.15	3	5	<1	1
L105N 35+00E	2	46	19	230	<.3	59	19	2000	4.08	5	<5	<2	5	19	.7	<2	<2	60	.24	.062	17	48	.74	396	.19	<3	3.87	.02	.14	<2	8	<1	4
L105N 35+50E	2	39	33	273	<.3	60	14	1421	3.62	13	<5	<2	7	24	1.2	<2	<2	75	.33	.112	15	53	.83	427	.16	3	3.83	.02	.17	<2	8	1	1
L105N 36+00E	1	32	26	254	<.3	68	17	1601	3.56	11	<5	<2	5	23	.8	<2	2	59	.43	.249	14	107	.94	1600	.19	5	3.41	.02	.21	<2	6	1	2
L105N 36+50E	<1	39	26	252	<.3	64	19	1572	3.49	6	<5	<2	5	36	.7	<2	<2	51	.64	.185	14	54	.64	737	.19	6	4.08	.02	.19	2	7	1	5
L105N 37+00E	2	25	21	251	<.3	46	14	611	3.65	76	<5	<2	4	20	<.2	<2	<2	44	.38	.273	9	32	.48	215	.19	4	4.54	.02	.14	<2	<5	<1	2
L105N 37+50E	2	39	22	232	<.3	67	21	1190	4.94	24	<5	<2	5	23	<.2	<2	<2	66	.39	.153	11	95	1.22	325	.34	4	4.06	.02	.31	<2	5	1	3
RE L105N 37+50E	<1	38	21	223	<.3	64	20	1158	4.76	23	<5	<2	4	22	<.2	<2	<2	64	.37	.146	12	91	1.18	306	.33	3	3.92	.02	.31	<2	7	<1	11
L105N 38+00E	3	37	16	288	<.3	81	18	806	3.82	17	<5	<2	4	18	<.2	<2	<2	56	.24	.171	9	86	.91	212	.29	4	4.56	.02	.15	<2	<5	<1	1
L105N 38+50E	2	19	24	486	<.3	40	16	525	5.08	<2	<5	<2	3	21	<.2	<2	<2	73	.37	.097	11	63	1.25	145	.34	<3	3.97	.03	.15	<2	<5	<1	<1
L105N 39+00E	<1	18	64	198	<.3	20	7	862	2.54	35	<5	<2	2	15	.4	<2	<2	41	.17	.107	6	16	.24	122	.16	<3	3.66	.02	.05	<2	<5	2	5
L105N 39+50E	2	29	37	210	.4	16	5	610	2.04	7	<5	<2	4	17	.9	<2	<2	43	.23	.184	12	15	.21	142	.18	<3	5.39	.03	.05	<2	<5	<1	1
L105N 40+00E	1	21	20	145	<.3	13	6	1024	2.05	6	<5	<2	4	12	.4	<2	<2	39	.15	.214	5	13	.18	78	.17	3	5.34	.02	.04	<2	<5	<1	<1
L105N 40+50E	3	22	22	254	.5	20	7	436	2.42	4	<5	<2	4	15	1.3	<2	<2	57	.20	.227	6	18	.28	169	.18	4	4.96	.02	.06	<2	<5	<1	1
L105N 41+00E	2	18	22	195	.8	14	6	459	2.34	4	<5	<2	3	11	1.1	<2	<2	50	.11	.191	5	17	.16	132	.19	5	4.65	.02	.05	<2	<5	<1	1
L105N 41+50E	8	36	163	702	<.3	30	11	606	3.89	24	<5	<2	5	18	1.2	<2	<2	79	.48	.116	9	28	.59	206	.19	3	4.68	.02	.10	59	<5	<1	2
L105N 42+00E	1	13	24	402	<.3	21	7	1085	2.51	5	<5	<2	4	16	1.8	<2	2	39	.33	.318	6	21	.99	149	.17	5	4.54	.03	.08	2	<5	<1	1
L105N 42+50E	3	17	75	947	<.3	27	8	1628	3.24	28	<5	<2	6	27	7.0	<2	<2	46	1.05	.320	27	33	.65	256	.18	7	4.87	.04	.11	4	8	1	3
L105N 43+00E	3	17	25	271	<.3	20	8	1393	2.63	8	<5	<2	3	17	1.3	<2	<2	48	.27	.217	11	20	.35	200	.18	<3	4.05	.03	.09	2	8	<1	1
L105N 43+50E	2	13	52	744	<.3	25	8	1855	2.92	11	<5	<2	5	21	5.6	<2	<2	52	.61	.355	9	35	.87	348	.15	<3	4.27	.02	.12	<2	9	<1	1
L105N 44+00E	2	20	57	448	<.3	29	10	754	2.96	5	<5	<2	7	16	1.9	<2	<2	65	.33	.184	19	42	.73	297	.13	<3	3.46	.02	.18	4	5	<1	1
L105N 44+50E	2	17	66	382	.4	24	8	581	2.51	3	<5	<2	5	12	2.8	<2	<2	51	.19	.108	10	27	.65	190	.16	4	4.01	.02	.12	<2	<5	3	1
L105N 45+00E	1	14	50	370	<.3	20	8	1522	2.58	3	<5	<2	3	18	2.4	<2	<2	53	.34	.199	13	33	.46	311	.13	<3	2.96	.02	.11	2	7	<1	1
L105N 45+50E	4	24	414	7020	.4	39	12	927	3.92	47	<5	<2	10	21	14.8	<2	<2	93	.67	.162	21	54	1.19	257	.15	4	3.88	.02	.18	<2	6	1	6
L105N 46+00E	2	19	44	384	.4	20	6	397	2.09	5	7	<2	5	12	2.1	<2	<2	78	.23	.156	14	32	.37	281	.09	4	1.81	.01	.10	<2	<5	1	3
L105N 46+50E	3	27	63	370	<.3	34	10	1076	3.58	6	29	<2	8	17	1.4	<2	<2	102	.39	.129	27	53	.76	444	.15	<3	4.67	.02	.17	<2	5	<1	2
L105N 47+00E	2	33	53	405	.3	35	9	494	3.03	<2	<5	<2	7	15	2.4	<2	<2	148	.40	.174	16	46	.85	358	.15	<3	3.71	.02	.17	<2	<5	<1	1
L105N 47+50E	2	45	49	593	<.3	47	10	469	3.19	<2	6	<2	7	17	3.3	<2	<2	210	.43	.303	15	63	1.13	380	.15	<3	3.48	.02	.16	<2	<5	2	1
L105N 48+00E	2	48	46	578	.3	48	10	575	3.13	<2	5	<2	5	20	3.7	<2	<2	188	.49	.397	13	56	.83	429	.15	<3	3.69	.02	.13	<2	<5	<1	3
L105N 48+50E	4	69	21	560	.5	53	12	524	3.35	<2	7	<2	5	26	1.3	<2	<2	201	.33	.289	12	46	.70	344	.12	3	2.82	.01	.08	<2	<5	<1	1
STANDARD C/AU-S	20	61	36	129	6.3	66	30	1160	4.20	41	20	7	37	53	18.3	17	16	59	.53	.097	40	60	.95	182	.09	28	1.99	.06	.16	10	<5	2	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L105N 49+00E	6	117	26	866	.7	94	19	650	3.96	14	9	<2	8	24	3.9	7	<2	209	.36	.194	20	70	1.62	355	.10	<3	3.14	.01	.12	<2	6	<1	2
L105N 49+50E	25	177	20	913	.5	116	13	303	3.66	9	8	<2	5	27	2.7	2	<2	321	.35	.252	13	81	1.35	405	.11	<3	3.41	.01	.10	<2	<5	1	2
L105N 50+00E	2	40	26	485	.4	37	10	689	1.84	3	5	<2	3	49	11.0	<2	<2	156	.74	.291	9	52	.52	631	.09	3	1.73	.01	.10	<2	<5	<1	2
L105N 50+50E	3	29	17	995	.5	70	11	659	2.74	4	5	<2	3	23	9.8	<2	<2	140	.34	.287	10	60	.56	399	.11	3	2.69	.01	.10	<2	<5	1	1
L105N 51+00E	2	25	34	845	.7	38	10	496	2.43	6	5	<2	4	23	10.2	<2	2	105	.43	.297	13	37	.44	358	.12	4	2.84	.02	.11	<2	<5	<1	2
L105N 51+50E	4	62	31	1198	3.2	96	14	651	3.00	5	7	<2	6	24	6.9	<2	<2	195	.42	.248	12	66	.67	374	.11	4	2.88	.01	.09	<2	<5	<1	1
L105N 52+00E	3	56	30	504	.7	51	9	269	2.67	6	6	<2	5	16	1.5	<2	<2	174	.22	.186	13	44	.64	206	.12	<3	2.87	.01	.08	<2	<5	<1	3
L105N 52+50E	2	39	27	447	1.6	39	10	425	2.76	7	7	<2	4	15	1.8	<2	<2	172	.20	.186	10	47	.66	240	.10	3	2.82	.01	.07	<2	<5	2	6
RE L105N 52+50E	4	41	27	458	1.5	41	11	445	2.86	7	<5	<2	3	15	1.9	<2	<2	178	.20	.193	10	48	.68	254	.11	<3	2.91	.01	.08	<2	<5	2	2
L105N 53+00E	<1	65	34	953	2.8	81	14	573	2.75	9	7	<2	3	24	6.3	<2	<2	112	.33	.266	12	60	.56	357	.14	<3	3.23	.02	.09	<2	<5	<1	2
L105N 53+50E	3	35	48	906	1.0	64	17	1060	2.83	15	6	<2	2	24	8.1	<2	<2	103	.33	.393	9	50	.51	666	.10	<3	2.61	.02	.11	<2	5	<1	1
L105N 54+00E	8	147	56	1322	3.7	154	39	938	3.93	14	13	<2	2	31	7.5	<2	<2	189	.33	.253	14	47	.74	338	.09	<3	3.18	.01	.12	<2	5	<1	1
L105N 54+50E	8	86	46	814	1.5	88	28	703	3.98	8	6	<2	2	28	2.8	<2	<2	207	.30	.195	11	44	.79	231	.10	3	2.63	.01	.10	<2	<5	<1	<1
L105N 55+00E	4	40	23	716	.5	39	13	974	2.96	4	<5	<2	<2	29	3.8	<2	<2	205	.57	.193	6	51	.78	324	.12	<3	2.20	.02	.09	<2	8	1	<1
L105N 55+50E	5	55	12	479	.5	31	7	351	3.60	5	<5	<2	2	19	1.2	<2	<2	265	.34	.186	5	63	1.08	364	.12	<3	2.88	.02	.08	<2	<5	<1	<1
L105N 56+00E	8	89	14	383	.6	36	6	244	3.85	7	<5	<2	3	20	.5	<2	<2	196	.20	.208	6	39	.82	175	.12	<3	3.49	.01	.08	<2	<5	1	<1
L105N 56+50E	9	199	50	564	1.2	60	30	1105	4.10	8	7	<2	<2	20	6.9	<2	<2	162	.22	.293	9	32	.57	183	.06	4	3.12	.01	.10	<2	6	<1	<1
L105N 57+00E	6	144	25	671	.6	68	13	452	3.62	7	5	<2	2	17	1.7	<2	<2	232	.25	.241	8	59	.99	313	.12	<3	3.27	.01	.09	<2	<5	1	2
L105N 57+50E	1	91	27	492	.7	60	14	274	3.22	5	6	<2	3	13	2.2	<2	<2	122	.16	.194	8	47	.69	360	.18	3	2.83	.02	.09	<2	<5	4	2
L105N 58+00E	6	151	19	590	.8	85	19	540	4.07	5	7	<2	3	17	1.4	<2	<2	180	.26	.296	9	57	.86	353	.13	<3	3.50	.01	.09	<2	6	<1	<1
L105N 58+50E	4	91	19	481	1.0	50	14	421	3.70	5	7	<2	4	14	.8	<2	<2	150	.24	.244	9	52	.70	355	.15	<3	3.07	.01	.09	<2	<5	1	1
L105N 59+00E	5	108	21	379	.4	38	13	741	4.72	5	5	<2	3	25	1.4	<2	<2	105	.47	.481	8	56	.43	913	.10	<3	2.25	.01	.09	<2	<5	5	1
L105N 59+50E	6	142	20	387	1.0	56	17	435	3.38	4	10	<2	2	22	3.7	<2	2	128	.48	.205	20	65	.63	618	.11	<3	2.18	.01	.10	<2	<5	<1	<1
L105N 60+00E	3	35	20	270	1.5	21	7	372	2.83	6	<5	<2	<2	14	1.1	<2	2	97	.22	.226	8	32	.31	245	.10	<3	2.64	.01	.06	<2	<5	<1	2
L95N 25+00E	1	79	14	101	<.3	160	34	513	4.26	11	<5	<2	4	36	<.2	<2	<2	56	.42	.111	12	101	1.17	266	.27	4	3.49	.02	.31	<2	7	<1	4
L95N 25+50E	<1	29	14	118	<.3	65	18	903	3.24	19	5	<2	6	22	.2	<2	<2	42	.23	.096	15	70	.72	298	.16	<3	3.13	.02	.20	<2	6	2	<1
L95N 26+00E	<1	34	15	187	<.3	41	22	3761	3.38	16	<5	<2	3	39	.8	<2	<2	38	.46	.168	12	55	.63	445	.14	<3	2.79	.03	.18	<2	25	<1	2
L95N 26+50E	1	24	14	86	<.3	82	12	282	2.92	31	7	<2	6	32	<.2	2	<2	38	.48	.026	12	53	.59	115	.17	<3	3.85	.04	.09	<2	5	<1	1
L95N 27+00E	2	19	12	95	<.3	39	14	717	2.90	12	<5	<2	4	23	<.2	2	<2	42	.27	.063	9	39	.59	200	.17	<3	3.63	.03	.10	<2	<5	<1	<1
L95N 27+50E	5	21	11	58	<.3	56	12	1913	3.47	61	8	<2	4	42	.3	<2	<2	38	.76	.032	15	33	.34	132	.14	<3	3.61	.03	.06	<2	15	<1	3
L95N 28+00E	2	19	18	180	<.3	28	12	1490	2.26	7	<5	<2	4	37	.3	<2	<2	29	.43	.103	6	29	.37	253	.18	4	3.61	.04	.09	<2	7	<1	<1
L95N 28+50E	2	40	18	125	<.3	45	14	410	3.13	16	<5	<2	6	16	<.2	<2	<2	44	.20	.074	15	37	.57	214	.14	<3	3.52	.02	.12	2	<5	<1	<1
L95N 29+00E	1	38	13	164	<.3	31	10	899	2.39	12	<5	<2	7	24	.3	<2	2	33	.28	.135	12	18	.30	212	.17	3	4.34	.03	.09	3	6	1	1
L95N 29+50E	2	78	13	163	<.3	53	28	1578	3.32	7	<5	<2	4	50	.6	<2	45	44	.72	.079	13	49	.88	238	.18	4	4.09	.05	.16	114	13	<1	24
L95N 30+00E	3	28	25	271	<.3	53	21	1857	4.04	27	6	<2	4	20	.4	<2	8	47	.21	.115	12	38	.39	265	.15	3	2.42	.02	.13	11	15	3	5
STANDARD C/AU-S	18	58	38	125	6.5	68	32	1121	4.00	37	21	7	37	49	17.4	17	20	59	.49	.093	39	67	.90	189	.08	24	1.86	.06	.15	10	6	3	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L95N 30+50E	1	43	15	163	<.3	114	28	2831	4.25	10	<5	<2	2	59	.3	<2	4	70	.77	.190	8	225	1.32	517	.24	<3	3.03	.02	.34	21	19	<1	6
L95N 31+00E	<1	35	21	175	<.3	75	21	3519	3.86	5	<5	<2	3	34	.3	<2	7	55	.47	.066	13	79	.90	416	.19	<3	3.37	.02	.16	32	23	<1	7
L95N 31+50E	5	30	20	312	<.3	104	27	3694	4.32	8	<5	<2	4	31	.8	<2	19	62	.50	.094	15	122	1.26	445	.27	<3	3.19	.02	.26	103	23	<1	7
L95N 32+00E	6	40	16	237	<.3	109	23	1128	4.39	10	<5	<2	5	22	<.2	<2	4	65	.38	.061	16	128	1.32	403	.26	3	3.95	.02	.29	14	8	<1	5
L95N 32+50E	6	44	62	320	<.3	74	32	6449	6.34	75	<5	<2	3	68	1.6	5	6	42	.92	.132	14	80	.47	784	.09	<3	1.79	.01	.18	72	39	5	18
L95N 33+00E	4	25	28	268	<.3	52	15	980	3.57	75	6	<2	4	27	.5	<2	<2	62	.31	.129	10	38	.49	228	.18	4	3.04	.02	.13	3	<5	<1	1
L95N 33+50E	9	25	36	215	.4	36	16	772	3.52	132	<5	<2	6	19	.7	<2	<2	41	.16	.211	10	31	.33	260	.13	<3	2.90	.02	.10	7	<5	<1	7
L95N 34+00E	3	34	24	294	<.3	52	16	728	3.91	24	<5	<2	7	15	.8	<2	<2	82	.37	.207	16	78	.86	307	.19	<3	3.43	.02	.43	7	<5	3	1
L95N 34+50E	1	15	20	368	<.3	17	9	1927	2.17	7	<5	<2	2	14	3.0	<2	2	42	.25	.293	7	27	.23	300	.15	<3	2.46	.02	.10	6	10	<1	2
L95N 36+00E	8	33	105	316	<.3	39	14	1101	3.96	23	8	2	17	22	1.1	<2	4	63	.58	.110	24	46	.84	233	.17	<3	3.93	.02	.23	20	7	<1	10
RE L95N 36+00E	8	28	91	280	<.3	34	13	962	3.45	20	8	2	14	19	.8	<2	3	56	.52	.095	21	39	.75	204	.15	<3	3.52	.01	.20	17	10	<1	8
L95N 36+50E	4	17	63	272	<.3	21	12	4206	3.04	17	<5	2	10	32	2.4	<2	5	42	.64	.154	19	39	.46	490	.13	<3	2.18	.01	.18	4	27	<1	3
L95N 37+00E	2	21	54	233	<.3	36	11	553	2.74	9	<5	<2	7	17	1.6	<2	<2	48	.38	.064	20	46	.70	165	.13	<3	2.35	.02	.27	5	<5	<1	2
L95N 37+50E	3	15	60	319	<.3	28	9	1299	2.63	14	<5	<2	5	22	1.8	<2	<2	43	.79	.067	17	34	.54	193	.15	<3	3.30	.03	.14	<2	6	<1	9
L95N 38+00E	2	14	55	317	<.3	31	11	1268	3.17	11	<5	<2	5	19	.6	<2	<2	51	.51	.377	8	33	1.24	220	.18	<3	4.45	.03	.17	2	8	<1	1
L95N 38+50E	4	27	83	641	<.3	45	15	1412	3.74	15	<5	<2	12	25	1.9	<2	4	46	.66	.180	12	40	1.66	180	.21	3	4.41	.04	.25	30	8	1	1
L95N 39+00E	2	16	900	2088	<.3	40	11	1801	4.50	21	<5	<2	13	27	13.5	2	<2	79	.84	.133	22	47	1.40	247	.16	<3	3.93	.03	.14	<2	11	1	5
L95N 39+50E	<1	19	523	929	<.3	36	10	1544	3.51	11	<5	<2	7	19	4.3	<2	<2	65	.77	.119	19	40	1.12	203	.14	<3	3.05	.02	.16	2	10	3	3
L95N 40+00E	<1	21	572	1032	.4	27	9	2271	3.21	16	<5	<2	5	29	7.7	<2	<2	53	.96	.118	15	38	1.27	215	.17	3	3.79	.04	.14	<2	11	<1	2
L95N 40+50E	<1	19	283	994	.3	19	5	1677	2.18	8	<5	<2	<2	57	9.9	<2	<2	54	4.35	.223	11	30	1.88	183	.09	6	2.39	.03	.10	<2	10	<1	<1
L95N 41+00E	3	19	317	496	<.3	30	10	829	3.79	9	<5	<2	9	21	1.9	<2	<2	76	.79	.317	18	33	1.29	221	.17	<3	4.28	.02	.12	<2	<5	<1	2
L95N 41+50E	<1	17	166	412	<.3	28	10	1871	3.37	7	<5	<2	5	28	2.2	<2	<2	90	1.21	.370	19	50	1.95	261	.14	<3	3.87	.02	.14	<2	13	<1	<1
L95N 42+00E	1	26	99	268	<.3	34	15	696	4.45	5	<5	<2	7	22	.9	<2	<2	99	.63	.299	20	55	1.77	261	.04	<3	4.32	.02	.13	<2	5	<1	1
L95N 42+50E	1	41	50	250	<.3	84	22	1130	5.32	8	<5	<2	6	25	.8	<2	<2	113	.50	.218	14	122	2.88	412	.30	<3	3.92	.02	.25	<2	13	<1	<1
L95N 43+00E	1	27	75	286	<.3	57	11	749	3.69	16	<5	<2	9	16	1.4	<2	2	78	.44	.136	24	45	2.07	178	.17	<3	4.63	.02	.14	<2	<5	1	2
L95N 43+50E	1	27	244	504	<.3	50	10	1923	3.51	70	<5	<2	7	31	3.3	5	11	170	1.52	.551	26	61	3.36	235	.15	<3	4.14	.02	.15	<2	15	1	50
L95N 44+00E	<1	28	391	445	1.1	42	9	1268	3.08	31	<5	<2	6	38	3.7	13	10	116	2.65	.310	24	48	3.00	206	.13	<3	3.67	.02	.17	<2	10	1	4
L95N 44+50E	2	25	173	633	<.3	55	11	1691	3.34	19	<5	<2	6	23	3.7	<2	3	110	.81	.533	15	49	1.66	258	.16	<3	3.61	.03	.14	<2	11	<1	1
L95N 45+00E	1	35	85	435	<.3	60	12	564	3.83	42	<5	<2	9	26	3.8	<2	<2	108	.72	.203	27	50	1.59	208	.22	<3	5.08	.03	.17	<2	<5	<1	3
L95N 45+50E	<1	28	132	393	<.3	45	12	1449	4.06	11	<5	<2	7	22	2.8	3	4	108	.92	.428	22	65	1.34	372	.15	<3	4.01	.03	.16	<2	8	1	<1
L95N 46+00E	4	40	37	488	<.3	47	10	513	3.49	8	<5	<2	5	15	2.4	<2	<2	207	.19	.223	11	46	.83	201	.14	<3	3.27	.01	.13	<2	<5	1	3
L95N 46+50E	3	75	44	805	<.3	78	16	1288	3.67	6	<5	<2	<2	26	7.1	<2	<2	236	.51	.263	15	48	.81	329	.11	<3	3.13	.01	.17	<2	5	<1	1
L95N 47+00E	4	71	33	1116	<.3	94	14	372	3.62	4	<5	<2	4	17	5.7	<2	<2	235	.30	.193	12	38	.66	238	.14	<3	3.76	.01	.11	<2	<5	1	1
L95N 47+50E	8	89	60	421	.7	43	10	1025	3.94	8	<5	<2	<2	34	3.2	<2	<2	186	.49	.350	8	42	.45	250	.07	<3	2.79	.01	.12	<2	5	<1	1
L95N 48+00E	2	28	61	762	.3	43	9	1239	2.66	16	<5	<2	3	23	14.0	<2	<2	114	.36	.326	9	37	.37	431	.13	<3	2.76	.02	.08	<2	<5	<1	1
STANDARD C/AU-S	19	57	37	124	6.3	69	32	1141	3.99	38	22	6	37	50	18.1	16	20	58	.49	.093	39	66	.91	187	.08	28	1.86	.06	.15	11	5	1	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L93N 25+00E	1	27	13	120	<.3	31	11	279	3.03	18	<5	<2	6	25	<.2	<2	<2	36	.34	.223	16	32	.47	188	.17	<3	3.97	.03	.15	<2	<5	2	1
L93N 25+50E	<1	32	10	105	<.3	37	12	308	3.74	13	<5	<2	6	35	<.2	<2	<2	58	.53	.507	24	50	.80	406	.32	<3	4.74	.03	.23	<2	<5	<1	<1
L93N 26+00E	<1	39	11	184	<.3	55	21	1249	5.01	10	6	<2	7	74	<.2	3	<2	82	1.06	.556	40	83	1.52	764	.42	3	3.52	.03	.45	<2	7	<1	<1
L93N 26+50E	2	21	12	150	<.3	43	13	761	3.20	20	<5	<2	5	46	<.2	<2	<2	46	.43	.194	14	45	.62	303	.27	5	3.94	.03	.26	2	<5	<1	1
L93N 27+00E	2	107	25	313	<.3	89	49	2005	4.33	26	<5	<2	3	61	2.3	<2	<2	47	.75	.208	12	40	.52	248	.14	3	3.81	.02	.14	2	13	<1	1
L93N 27+50E	<1	23	13	142	<.3	30	16	1480	3.37	12	7	<2	3	21	.2	<2	<2	43	.24	.086	13	43	.60	223	.15	<3	2.94	.02	.13	2	<5	2	1
L93N 28+00E	<1	28	13	127	<.3	35	15	1826	2.98	18	<5	<2	5	22	<.2	<2	13	37	.21	.133	13	41	.43	301	.17	<3	4.01	.02	.11	47	11	<1	2
L93N 28+50E	<1	30	12	96	<.3	37	11	436	2.94	16	<5	<2	8	19	<.2	<2	<2	38	.21	.126	18	37	.51	173	.16	4	4.39	.02	.12	<2	<5	<1	<1
L93N 29+00E	3	37	12	274	<.3	62	20	1382	4.45	38	<5	<2	4	29	.4	3	3	47	.37	.129	10	39	.49	255	.17	<3	3.49	.02	.13	6	5	<1	2
L93N 29+50E	3	48	15	244	<.3	99	29	1443	6.38	66	<5	<2	5	28	.3	9	<2	61	.30	.096	14	42	.48	358	.13	<3	2.70	.02	.13	14	8	<1	<1
L93N 30+00E	4	54	123	480	.3	74	26	5826	4.89	41	<5	<2	3	57	2.4	4	3	51	.88	.129	14	66	.59	544	.16	5	3.25	.02	.18	48	44	1	2
L93N 30+50E	3	84	47	248	<.3	109	27	1351	4.70	15	<5	<2	5	26	.6	<2	<2	70	.38	.084	20	104	1.24	281	.27	<3	4.61	.03	.20	17	8	<1	3
L93N 31+00E	1	74	16	239	.3	121	38	2322	4.90	24	<5	<2	3	39	.5	3	<2	69	.61	.085	14	102	1.14	454	.27	4	3.64	.03	.20	5	17	<1	1
L93N 31+50E	3	55	18	394	.3	103	31	1947	4.80	10	<5	<2	4	31	.2	2	<2	62	.50	.065	14	107	1.15	339	.28	<3	3.37	.03	.24	21	18	<1	3
L93N 32+00E	2	41	21	237	.4	62	17	438	3.83	24	<5	<2	7	28	.9	<2	<2	69	.40	.099	19	72	.88	423	.19	<3	4.00	.02	.20	3	<5	<1	3
L93N 32+50E	3	56	54	253	.5	53	17	488	3.79	51	<5	<2	8	22	1.0	2	2	97	.33	.181	16	67	.89	287	.22	<3	4.83	.02	.19	4	<5	<1	3
L93N 34+00E	3	40	106	419	<.3	32	13	819	3.80	142	6	<2	10	20	1.3	2	9	56	.39	.098	27	46	.81	249	.15	<3	3.75	.02	.28	79	<5	<1	74
L93N 35+00E	3	23	57	275	<.3	35	13	646	3.78	275	<5	<2	14	20	1.1	<2	2	52	.41	.123	23	45	.94	158	.17	<3	4.32	.03	.31	4	<5	<1	6
L93N 35+50E	6	27	78	286	<.3	33	13	874	3.65	146	19	<2	9	26	1.3	<2	<2	54	.87	.081	35	48	.97	153	.15	<3	3.73	.03	.33	5	6	<1	4
L93N 36+00E	4	18	54	246	<.3	23	10	942	2.98	132	14	3	8	26	1.0	<2	4	41	.89	.116	19	31	.68	149	.13	<3	3.06	.02	.22	4	5	<1	3
L93N 36+50E	3	18	52	240	<.3	25	10	639	3.38	242	13	3	14	20	.6	<2	5	47	.54	.081	20	36	.68	133	.18	<3	4.08	.02	.17	3	<5	<1	2
L93N 37+00E	4	22	72	372	.3	41	11	305	3.16	339	<5	<2	8	23	1.2	4	<2	57	.59	.038	22	41	.63	160	.17	<3	4.06	.04	.14	3	<5	<1	5
RE L93N 37+00E	3	22	75	376	<.3	42	11	307	3.17	344	<5	<2	7	23	1.3	<2	2	56	.60	.038	23	38	.63	162	.17	<3	4.09	.04	.14	2	<5	<1	<1
L91N 25+00E	1	28	18	114	<.3	37	15	915	3.87	21	<5	<2	7	22	<.2	3	<2	57	.30	.202	20	56	.80	405	.20	<3	3.32	.01	.22	<2	<5	<1	1
L91N 25+50E	2	43	23	180	<.3	45	23	1833	5.96	10	<5	<2	8	59	<.2	5	<2	105	.94	.339	38	101	1.71	870	.43	<3	3.28	.02	.50	<2	15	<1	<1
L91N 26+00E	2	36	39	154	<.3	45	18	1345	4.93	10	<5	<2	8	53	.2	<2	<2	81	.80	.284	34	80	1.29	798	.40	<3	3.64	.02	.44	<2	6	1	<1
L91N 26+50E	<1	37	39	126	<.3	37	15	1510	3.85	12	<5	<2	5	49	.4	3	<2	60	.66	.300	29	63	.90	575	.23	<3	2.99	.02	.26	<2	10	2	2
L91N 27+00E	2	49	11	109	.3	64	16	341	3.45	14	5	<2	8	39	<.2	<2	<2	50	.39	.074	32	56	.60	620	.28	4	5.05	.04	.20	<2	<5	<1	1
L91N 27+50E	1	29	12	147	<.3	53	16	518	4.25	14	<5	<2	8	47	<.2	<2	2	62	.59	.271	24	70	1.01	460	.34	4	4.31	.03	.37	<2	6	1	<1
L91N 28+00E	2	49	15	129	<.3	53	16	292	4.08	26	<5	<2	8	40	<.2	2	2	59	.51	.136	22	58	.89	319	.30	4	5.10	.04	.31	<2	<5	<1	1
L91N 28+50E	2	76	15	215	.4	56	17	2115	3.57	56	6	<2	8	67	1.1	<2	<2	49	1.08	.058	25	62	1.01	145	.17	<3	3.85	.07	.16	2	11	<1	2
L91N 29+00E	3	27	12	164	<.3	53	11	854	3.24	185	<5	<2	5	29	<.2	3	<2	36	.32	.109	10	36	.44	173	.23	3	5.69	.04	.10	2	<5	<1	<1
L91N 29+50E	3	36	31	324	<.3	67	17	2193	3.64	17	5	<2	4	35	1.3	3	13	45	.53	.083	15	58	.66	279	.17	<3	4.00	.02	.14	11	12	<1	20
L91N 30+00E	5	68	165	362	.3	54	20	1904	3.96	29	<5	<2	4	33	1.3	<2	3	52	.51	.165	18	66	.82	298	.14	<3	3.32	.02	.27	120	14	<1	27
L89N 25+00E	1	34	14	77	<.3	37	14	365	3.29	17	<5	<2	9	26	<.2	2	<2	47	.25	.100	24	41	.73	195	.18	<3	3.40	.02	.20	2	<5	<1	2
STANDARD C/AU-S	21	59	38	132	6.6	65	33	1091	4.17	39	21	6	37	51	18.5	20	19	58	.53	.097	39	68	.96	176	.08	28	1.96	.06	.16	11	<5	4	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L89N 25+50E	1	36	13	87	<.3	44	11	509	3.35	25	13	<2	7	45	<.2	<2	2	53	.51	.096	34	37	.59	200	.26	<3	4.30	.04	.14	<2	5	<1	3
L89N 26+00E	1	26	17	128	<.3	44	16	1416	3.96	14	6	<2	7	40	<.2	<2	<2	73	.52	.212	26	62	.97	471	.31	<3	3.11	.02	.33	<2	7	<1	1
L89N 26+50E	1	29	16	122	<.3	44	13	402	3.57	14	6	<2	7	33	<.2	<2	<2	61	.41	.235	21	53	.82	378	.26	<3	3.46	.02	.22	<2	6	<1	2
L89N 27+00E	<1	25	15	91	<.3	39	12	291	3.31	14	8	<2	6	27	<.2	<2	<2	61	.29	.147	18	41	.65	312	.29	<3	3.87	.03	.19	<2	<5	<1	<1
RE L89N 27+00E	2	24	13	91	<.3	39	11	285	3.20	11	6	<2	5	26	<.2	<2	<2	59	.28	.145	17	39	.63	294	.27	<3	3.77	.03	.18	<2	5	<1	1
L89N 27+50E	1	74	16	142	.3	96	26	449	4.61	27	<5	<2	5	43	<.2	<2	3	66	.54	.108	20	82	.98	157	.30	<3	5.40	.03	.19	2	9	<1	1
L89N 28+00E	1	30	19	201	<.3	77	18	1108	3.58	44	<5	<2	5	34	.2	<2	2	61	.44	.159	11	89	1.04	251	.21	<3	4.22	.03	.15	2	<5	<1	<1
L89N 28+50E	3	65	22	342	.3	113	25	1969	4.42	25	<5	<2	3	67	.8	<2	2	50	1.04	.085	21	38	.71	206	.14	4	3.23	.03	.15	7	5	1	4
L89N 29+00E	3	36	23	170	<.3	45	16	1523	3.14	22	<5	<2	4	24	.4	<2	<2	48	.41	.092	14	36	.51	258	.16	3	4.00	.03	.13	28	5	1	3
L89N 29+50E	2	40	20	238	.3	42	18	2082	3.13	16	<5	<2	3	33	.6	<2	2	50	.47	.242	12	46	.62	422	.12	<3	2.98	.02	.12	82	5	<1	1
L89N 30+00E	2	53	18	149	<.3	44	15	417	2.93	10	<5	<2	6	26	.3	<2	<2	51	.31	.086	16	33	.54	262	.18	3	4.49	.03	.12	4	<5	<1	1
L85N 30+00E	1	22	33	189	<.3	33	11	875	3.07	15	<5	<2	6	21	.4	<2	<2	51	.48	.252	16	48	.92	378	.18	<3	4.25	.03	.14	<2	<5	<1	2
STANDARD C/AU-S	18	55	34	122	5.9	67	31	1099	3.87	43	20	6	35	48	17.0	18	17	63	.49	.091	37	65	.88	184	.08	25	1.86	.06	.15	11	<5	2	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4425 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
1011	3	6	<3	3	<.3	10	1	164	.62	12	<5	<2	<2	1	.4	2	<2	1	.03	.004	1	13	.01	8	<.01	7	.04	<.01	<.01	3	6	<1	<.001
1012	1	1	5	44	<.3	7	2	1960	1.35	10	<5	<2	2	505	.6	<2	2	4	24.85	.014	15	5	.53	6	<.01	4	.48	.01	.08	<2	<5	<1	<.001
1013	290	25	10	84	.3	14	7	1067	1.70	<2	<5	<2	10	80	.6	4	6	16	4.76	.053	27	27	.33	12	.08	4	1.63	.05	.19	30	6	<1	<.001
1014	19	40	10	31	<.3	12	2	79	.84	<2	<5	<2	<2	6	1.0	<2	<2	17	.32	.053	3	17	.11	245	.04	<3	.59	.01	.03	2	<5	1	<.001
1015	30	564	6	7770	1.3	18	2	225	4.16	<2	7	<2	3	59	141.3	2	<2	27	1.49	.134	13	11	.12	28	.04	8	1.16	.06	.02	599	<5	1	<.001
RE 1015	29	557	4	7769	1.4	18	2	225	4.15	<2	7	<2	3	59	144.4	3	<2	27	1.49	.134	14	10	.12	25	.04	10	1.16	.06	.03	571	<5	1	<.001
RRE 1015	29	557	5	7757	1.4	17	2	232	4.13	<2	6	<2	3	59	140.4	<2	<2	27	1.49	.135	13	11	.12	25	.04	6	1.16	.06	.03	580	<5	<1	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P7 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 1995 **DATE REPORT MAILED:** Nov 10/95 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L95N 48+50E	2	31	62	627	1.1	48	10	534	2.50	12	6	<2	12	16	5.6	<2	3	109	.25	.267	15	42	.58	297	.12	<3	2.95	.02	.13	2	<5	<1	7
L95N 49+00E	4	61	44	685	.8	64	12	643	2.76	8	<5	<2	11	23	4.3	<2	4	173	.37	.167	16	37	.74	475	.12	<3	3.06	.01	.11	<2	<5	<1	2
L95N 49+50E	3	71	61	852	.4	76	13	1212	2.89	10	9	<2	6	45	3.5	<2	<2	173	.51	.198	14	36	.73	608	.10	<3	2.73	.01	.11	2	<5	<1	2
L95N 50+00E	5	73	80	554	.7	60	10	758	2.92	11	<5	<2	2	24	1.3	<2	<2	121	.30	.254	11	28	.54	177	.08	<3	2.56	.01	.11	5	<5	<1	1
L95N 50+50E	22	122	67	573	3.0	65	12	760	4.67	14	12	<2	5	73	4.3	<2	<2	153	.88	.413	16	27	.53	1241	.07	<3	2.75	.01	.13	<2	<5	<1	1
L95N 51+00E	5	101	48	923	.7	93	16	794	3.19	8	5	<2	6	77	7.4	<2	<2	249	.64	.191	13	41	.93	635	.11	<3	3.37	.01	.13	<2	<5	<1	1
L95N 51+50E	3	63	77	752	.4	61	14	1060	3.09	4	<5	<2	3	69	11.9	<2	<2	135	.75	.320	11	36	.90	735	.11	<3	2.86	.02	.16	<2	<5	<1	<1
L95N 52+00E	8	187	37	932	2.2	92	16	703	4.00	5	15	<2	4	32	2.6	<2	<2	222	.37	.405	14	46	.89	327	.09	<3	3.96	.01	.14	<2	<5	<1	2
L95N 52+50E	9	161	35	873	1.7	90	15	610	3.58	4	12	<2	7	23	1.9	<2	<2	179	.23	.283	15	38	.75	225	.10	<3	3.69	.01	.13	<2	<5	<1	3
RE L95N 52+50E	9	176	38	891	2.0	98	15	633	3.71	5	16	<2	10	24	3.1	<2	4	187	.24	.292	16	40	.79	230	.10	<3	3.79	.01	.12	<2	<5	<1	2
L95N 53+00E	7	269	26	1835	1.2	159	48	862	3.92	<2	11	<2	5	44	18.0	<2	<2	221	.51	.304	30	44	.86	302	.09	<3	4.21	.01	.13	<2	<5	<1	1
L95N 53+50E	3	122	17	1242	.6	66	12	1032	3.60	3	7	<2	<2	74	14.3	<2	<2	166	1.25	.421	9	33	.65	860	.12	3	3.33	.02	.14	<2	<5	<1	1
L95N 54+00E	3	117	45	969	.8	86	17	844	3.09	4	<5	<2	4	58	6.9	<2	<2	227	.78	.268	13	45	.95	728	.10	<3	2.78	.01	.13	<2	<5	<1	2
L95N 54+50E	4	161	34	495	<.3	60	13	501	3.65	3	<5	<2	12	30	3.6	<2	3	215	.45	.251	19	55	1.10	512	.10	<3	2.77	.01	.17	3	<5	<1	5
L95N 55+00E	6	218	39	1584	1.5	123	20	397	4.17	5	7	<2	7	41	12.3	<2	<2	251	.59	.289	16	51	1.04	338	.12	<3	3.99	.01	.14	<2	<5	<1	2
L95N 55+50E	11	273	46	938	1.6	98	33	662	5.94	3	12	<2	4	48	13.3	<2	<2	157	.64	.377	20	42	.69	367	.07	<3	4.00	.01	.13	<2	<5	<1	2
L95N 56+00E	4	305	32	783	1.1	118	25	640	4.28	4	<5	<2	10	31	4.4	<2	2	165	.61	.325	20	49	.72	735	.10	<3	3.21	.01	.15	<2	<5	1	1
L95N 56+50E	3	217	15	609	<.3	83	15	481	4.19	2	<5	<2	9	33	2.2	<2	<2	150	.53	.323	15	41	.63	796	.13	<3	3.86	.01	.14	<2	<5	<1	1
L95N 57+00E	2	86	31	482	.9	48	13	879	2.98	2	13	<2	5	46	3.9	<2	<2	125	.85	.375	15	35	.58	432	.11	<3	3.24	.01	.15	<2	<5	<1	2
L95N 57+50E	2	104	32	504	1.1	60	12	540	3.05	7	<5	<2	5	39	1.9	<2	<2	118	1.04	.337	13	27	.44	254	.09	<3	3.12	.01	.08	<2	<5	<1	1
L95N 58+00E	2	100	38	619	1.2	55	15	1164	3.16	4	<5	<2	5	48	5.0	<2	<2	133	.66	.267	13	34	.61	539	.09	<3	2.68	.01	.09	<2	<5	<1	1
L95N 58+50E	3	74	107	675	.3	52	11	1304	2.90	5	<5	<2	5	41	5.3	<2	<2	164	.59	.325	14	30	.54	540	.10	<3	2.44	.01	.12	<2	<5	<1	2
L95N 59+00E	3	48	44	746	.5	47	10	997	2.82	4	<5	<2	5	33	10.4	2	<2	149	.50	.402	14	31	.42	403	.09	<3	2.34	.01	.08	<2	<5	<1	4
L95N 59+50E	8	140	49	1016	1.3	102	16	708	3.85	7	<5	<2	5	39	2.8	<2	<2	197	.43	.307	15	36	.65	396	.09	<3	3.40	.01	.11	<2	<5	<1	1
L95N 60+00E	8	175	65	1470	1.3	142	18	588	3.88	9	<5	<2	5	35	4.5	<2	<2	207	.42	.296	17	43	.74	320	.11	<3	3.55	.01	.12	<2	<5	<1	1
L93N 37+50E	2	20	100	587	<.3	39	10	1177	3.03	8	<5	<2	13	23	1.7	<2	2	65	1.26	.218	30	42	3.76	215	.18	3	5.02	.03	.17	<2	6	1	2
L93N 38+00E	2	12	75	1005	<.3	37	11	1411	3.23	5	5	<2	11	20	4.3	<2	4	46	.57	.159	15	39	1.27	193	.20	3	5.07	.03	.17	<2	5	<1	2
L93N 38+50E	2	7	371	2317	<.3	30	8	1218	2.99	5	<5	<2	9	19	10.1	<2	2	63	.49	.100	13	30	1.10	213	.17	3	4.06	.03	.12	<2	<5	<1	1
L93N 39+00E	2	13	225	748	<.3	38	7	1077	3.23	6	<5	<2	9	21	2.1	2	2	55	.61	.098	15	28	.91	198	.13	<3	2.98	.03	.12	<2	<5	<1	1
L93N 39+50E	<1	13	144	593	<.3	21	7	1371	2.42	5	<5	<2	3	36	1.8	<2	2	41	1.52	.163	14	28	1.79	203	.14	3	3.65	.03	.11	<2	<5	<1	<1
L93N 40+00E	1	19	166	822	<.3	34	4	1295	2.32	9	<5	<2	6	60	2.7	<2	<2	63	5.21	.262	9	20	1.35	184	.09	7	2.26	.02	.08	<2	<5	<1	<1
L93N 40+50E	<1	7	150	389	<.3	9	3	1471	1.61	5	<5	<2	9	65	2.8	<2	<2	49	7.20	.216	11	20	4.02	199	.09	4	2.47	.02	.08	<2	<5	<1	1
L93N 41+00E	1	16	277	435	<.3	24	8	1594	3.25	6	<5	<2	11	47	1.3	<2	<2	102	1.94	.570	30	36	2.01	203	.16	3	4.73	.03	.14	<2	5	1	1
L93N 41+50E	1	13	96	331	<.3	29	6	1243	2.49	3	<5	<2	17	68	.9	<2	2	132	4.26	.713	35	43	4.58	298	.14	5	4.95	.03	.09	<2	6	1	1
L93N 42+00E	2	16	157	403	<.3	43	9	1227	3.50	10	<5	<2	14	26	.5	<2	<2	122	1.02	.316	23	46	3.54	280	.18	4	5.24	.03	.16	<2	7	1	1
STANDARD C/AU-S	21	59	40	134	6.7	68	30	1051	4.03	42	19	7	40	53	16.6	15	21	59	.47	.098	41	62	.91	181	.08	23	1.92	.06	.15	10	<5	2	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L93N 42+50E	2	19	88	383	.6	47	13	1116	3.28	12	<5	<2	14	25	<.2	<2	5	71	1.05	.333	20	51	1.95	270	.19	4	4.63	.03	.16	<2	<5	<1	1
L93N 43+00E	3	17	78	350	.9	35	8	862	3.01	10	9	<2	18	43	.2	<2	6	50	4.73	.145	30	32	4.17	85	.11	5	3.95	.07	.09	<2	<5	<1	1
L93N 43+50E	3	22	71	351	.8	44	10	845	3.43	17	<5	<2	17	29	.4	<2	3	93	1.30	.237	32	43	3.95	125	.18	3	6.02	.03	.13	<2	6	<1	1
L93N 44+00E	<1	15	73	439	<.3	33	5	1827	1.44	7	13	<2	3	30	1.3	<2	<2	73	2.05	.184	14	27	2.36	188	.09	3	2.33	.02	.08	<2	<5	<1	1
L93N 44+50E	3	30	88	450	.7	48	9	838	2.71	12	<5	<2	20	29	.7	<2	6	136	1.37	.234	42	61	3.78	182	.18	3	5.70	.07	.13	<2	6	<1	<1
RE L93N 46+50E	4	62	39	623	1.1	56	17	655	3.28	13	<5	<2	9	16	2.3	<2	2	225	.26	.163	18	46	.97	258	.14	<3	3.49	.01	.17	<2	<5	<1	2
L93N 45+00E	2	25	128	460	<.3	66	8	1228	2.76	31	<5	<2	9	34	2.1	<2	2	162	1.72	.333	25	47	3.39	247	.14	3	3.90	.03	.14	4	<5	<1	2
L93N 45+50E	2	27	151	538	<.3	50	17	1519	2.54	12	<5	<2	7	26	3.7	<2	<2	97	1.03	.409	21	38	1.32	4861	.11	3	2.99	.02	.17	3	<5	<1	1
L93N 46+00E	3	28	29	583	1.0	34	9	653	2.26	7	<5	2	8	19	3.8	<2	<2	132	.31	.305	12	31	.47	368	.12	<3	3.07	.02	.10	<2	<5	<1	<1
L93N 46+50E	4	72	41	723	1.6	64	19	747	3.80	11	<5	<2	10	18	2.6	<2	2	260	.25	.188	20	52	1.08	313	.15	3	4.10	.01	.19	<2	<5	<1	1
L93N 47+00E	3	78	50	824	.8	66	21	1292	3.42	18	5	<2	9	34	7.5	<2	<2	179	.55	.492	19	36	.79	660	.14	<3	3.76	.02	.17	<2	<5	<1	1
L93N 47+50E	3	49	33	822	1.0	56	10	294	2.70	8	<5	<2	6	26	5.0	<2	<2	184	.49	.331	17	36	.63	346	.13	<3	3.03	.02	.14	<2	<5	<1	1
L93N 48+00E	3	62	66	1221	1.2	77	14	700	3.22	10	5	<2	11	33	6.0	<2	3	199	.43	.327	19	48	.76	480	.13	<3	3.23	.01	.14	<2	<5	<1	<1
L93N 48+50E	3	62	32	1099	2.9	63	13	598	2.46	12	6	<2	5	39	11.3	<2	<2	214	.55	.438	16	48	.86	802	.11	<3	2.81	.01	.16	<2	<5	<1	1
L93N 49+00E	6	94	18	1395	2.1	84	24	547	3.61	5	6	<2	9	37	9.4	<2	2	296	.46	.298	17	66	1.92	532	.12	<3	5.08	.01	.19	<2	<5	<1	1
L93N 49+50E	4	70	37	781	1.1	66	16	803	3.03	6	<5	<2	9	31	5.8	<2	<2	232	.46	.288	20	53	.91	550	.12	<3	2.44	.01	.19	<2	<5	<1	1
L93N 50+00E	4	62	52	902	.5	66	16	1223	3.09	10	<5	<2	6	45	7.3	<2	<2	164	.53	.302	17	35	.72	787	.12	<3	3.07	.01	.16	<2	<5	<1	1
L93N 50+50E	6	89	37	569	1.5	60	12	268	3.19	8	<5	<2	7	39	3.2	<2	<2	248	.58	.278	20	46	.86	451	.11	<3	2.12	.01	.17	<2	<5	<1	3
L93N 51+00E	4	71	37	810	1.1	60	13	570	3.05	6	<5	<2	7	53	8.6	<2	<2	279	.71	.257	19	50	.95	749	.10	<3	2.31	.01	.16	<2	<5	<1	1
L93N 51+50E	8	142	465	1778	2.7	128	53	1141	4.54	15	22	<2	8	92	11.4	<2	3	259	.79	.628	19	40	.69	1161	.10	<3	4.78	.01	.17	<2	<5	<1	1
L93N 52+00E	4	69	54	949	1.0	68	15	846	2.97	7	6	<2	10	42	14.6	<2	3	237	.58	.370	19	48	.80	728	.11	<3	2.86	.01	.19	<2	<5	<1	4
L93N 52+50E	4	105	38	843	.8	71	14	398	3.31	5	6	<2	9	42	6.3	<2	3	249	.65	.406	18	52	.88	702	.12	<3	3.05	.01	.18	<2	<5	<1	1
L93N 53+00E	3	95	26	832	1.7	87	20	457	3.26	4	<5	<2	12	43	6.9	<2	6	227	.52	.272	19	100	1.71	632	.17	<3	4.23	.02	.23	<2	5	<1	<1
L93N 53+50E	4	191	28	1170	2.6	97	22	598	3.53	3	5	<2	8	47	12.6	<2	4	305	.64	.432	17	73	1.29	884	.12	<3	3.65	.01	.16	<2	<5	<1	1
L93N 54+00E	5	212	38	1316	.9	110	23	783	3.61	6	10	<2	7	48	8.6	<2	<2	300	.62	.369	13	58	1.10	981	.12	<3	3.89	.01	.13	<2	<5	<1	1
L93N 54+50E	7	229	47	1211	1.6	106	20	728	3.78	9	7	<2	5	40	5.5	<2	<2	254	.59	.325	13	49	.89	666	.10	<3	3.56	.01	.14	<2	<5	<1	2
L93N 55+00E	13	655	55	540	1.2	102	28	889	5.12	10	20	<2	5	39	2.3	<2	<2	170	.50	.468	12	42	.62	700	.08	<3	4.31	.01	.10	<2	<5	<1	1
L93N 55+50E	8	358	22	624	1.7	85	17	465	4.26	5	10	<2	10	21	<.2	<2	<2	198	.29	.342	15	47	.81	357	.12	<3	4.16	.01	.11	<2	<5	<1	1
L93N 56+00E	4	145	27	673	.8	70	14	441	2.80	6	<5	<2	9	29	1.9	<2	<2	276	.42	.256	18	58	1.11	668	.11	<3	2.94	.01	.13	<2	<5	<1	3
L93N 56+50E	4	190	44	843	1.9	85	19	457	3.74	8	<5	<2	12	26	3.0	<2	2	218	.40	.264	22	53	1.00	473	.15	<3	4.17	.01	.17	<2	<5	<1	2
L93N 57+00E	2	123	24	1091	.7	69	26	1176	3.95	6	<5	<2	5	34	13.0	<2	<2	144	.57	.433	14	39	.61	1118	.11	<3	3.14	.01	.14	<2	<5	<1	1
L93N 57+50E	5	162	50	2140	1.5	123	17	578	4.02	7	5	<2	7	40	10.2	<2	<2	274	.71	.464	12	40	.73	526	.11	<3	3.86	.01	.11	<2	<5	<1	2
L93N 58+00E	7	191	54	1498	1.4	96	19	390	4.09	7	7	<2	9	29	5.4	<2	6	392	.50	.231	18	49	.86	359	.09	<3	3.29	.01	.09	<2	<5	<1	3
L93N 58+50E	4	141	34	1186	1.1	76	15	444	3.25	6	<5	<2	7	28	8.6	<2	<2	208	.62	.353	14	38	.64	504	.11	<3	3.12	.01	.11	<2	<5	<1	1
L93N 59+00E	4	73	48	1156	1.1	80	12	380	2.56	2	<5	<2	8	26	3.2	2	<2	178	.78	.330	16	33	.48	248	.10	<3	2.52	.01	.09	2	<5	<1	<1
STANDARD C/AU-S	20	59	42	142	6.4	63	33	988	3.82	41	20	7	37	52	16.6	16	20	59	.47	.092	39	63	.90	194	.09	23	1.85	.06	.16	9	<5	1	54

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L93N 59+50E	4	97	57	978	1.9	60	11	468	2.93	5	<5	<2	6	25	7.7	<2	<2	209	.69	.390	15	42	.53	354	.11	3	2.60	.01	.11	<2	<5	<1	12
L93N 60+00E	21	181	75	1173	5.8	122	21	594	4.67	14	16	<2	<2	47	6.0	<2	<2	200	.32	.326	14	24	.43	234	.09	<3	4.07	.01	.10	<2	<5	<1	2
L93N 60+50E	13	156	114	1372	5.6	114	17	662	4.07	17	7	<2	3	41	4.6	12	<2	285	.31	.230	15	29	.60	304	.08	3	2.90	.01	.10	<2	<5	<1	4
L93N 61+00E	6	89	78	1049	1.7	62	12	613	3.15	9	<5	<2	6	20	2.3	<2	<2	300	.42	.211	15	32	.51	442	.09	<3	2.27	.01	.08	<2	<5	<1	2
L91N 30+00E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L91N 30+50E	3	19	40	318	.6	65	19	2156	3.86	14	<5	<2	5	27	<.2	<2	<2	62	.43	.171	10	58	.79	406	.22	<3	3.03	.03	.19	73	<5	<1	1
L91N 31+00E	5	21	116	502	<.3	67	21	2671	3.74	20	<5	<2	8	25	1.3	<2	<2	54	.40	.153	13	48	.67	398	.18	4	3.10	.02	.17	216	<5	<1	2
L91N 31+50E	4	79	87	537	2.4	103	28	877	5.45	26	<5	<2	13	21	<.2	<2	4	72	.30	.099	17	69	1.09	185	.20	<3	4.16	.01	.23	63	<5	<1	5
L91N 32+00E	3	42	114	496	<.3	69	19	3508	3.37	43	<5	<2	5	33	1.4	<2	<2	74	.79	.174	16	72	1.08	502	.18	<3	3.31	.02	.24	41	<5	<1	6
L91N 32+50E	4	54	535	1387	1.7	45	14	868	3.33	104	<5	<2	9	31	5.7	<2	2	58	1.28	.127	22	49	1.33	272	.13	3	2.84	.02	.25	69	<5	<1	12
L91N 33+00E	2	53	42	245	1.2	50	15	665	3.54	44	<5	<2	12	23	.2	<2	3	60	.50	.225	18	60	.83	228	.15	4	3.97	.02	.23	10	<5	<1	6
L91N 33+50E	2	26	68	353	1.1	45	15	1188	3.53	33	<5	<2	13	29	<.2	<2	3	53	.46	.214	17	56	.73	353	.17	3	4.37	.03	.24	12	<5	<1	21
L91N 34+00E	7	50	420	1734	1.6	42	15	1185	3.38	120	<5	<2	10	38	7.7	<2	7	80	1.68	.129	12	42	1.17	377	.15	4	3.75	.02	.19	45	<5	<1	14
L91N 35+50E	12	39	160	980	.9	44	14	2254	4.39	561	<5	<2	9	26	2.4	<2	<2	59	.66	.103	20	49	1.23	240	.16	8	3.95	.02	.28	36	<5	1	9
L91N 36+00E	2	25	74	824	.3	63	20	2480	3.74	152	<5	<2	7	50	.9	<2	<2	46	1.14	.096	15	43	1.27	295	.18	6	3.61	.03	.23	19	<5	<1	1
RE L91N 36+00E	3	25	64	827	<.3	64	20	2491	3.74	155	<5	<2	7	51	.6	<2	<2	47	1.17	.097	16	41	1.28	297	.19	5	3.64	.03	.23	18	<5	<1	<1
L91N 36+50E	2	1	901	3069	<.3	36	15	3964	4.30	98	<5	<2	16	38	9.5	<2	3	55	.87	.240	26	43	2.00	385	.19	3	4.92	.03	.26	<2	<5	<1	2
L91N 37+00E	3	12	707	4626	.6	29	11	1611	4.30	16	<5	<2	13	28	25.7	<2	8	59	.95	.064	26	38	2.94	187	.18	4	5.00	.04	.17	<2	<5	1	6
L91N 37+50E	1	9	377	2654	1.1	26	8	1054	3.28	9	<5	<2	10	26	11.3	<2	2	63	1.62	.074	21	35	1.77	228	.16	3	3.65	.03	.17	<2	<5	<1	2
L91N 38+00E	2	14	245	1233	.8	32	6	1032	3.07	9	<5	<2	6	28	7.3	<2	<2	67	1.42	.210	19	29	2.27	224	.14	9	3.62	.03	.09	16	<5	<1	3
L91N 38+50E	5	23	126	589	1.4	53	9	532	4.05	16	<5	<2	10	19	1.6	<2	<2	67	.40	.096	16	33	.91	209	.19	3	4.63	.03	.11	<2	<5	<1	<1
L91N 39+00E	1	11	116	536	.7	38	9	974	3.07	7	<5	<2	10	23	2.0	<2	3	54	.69	.136	14	33	.98	215	.19	3	4.39	.03	.16	<2	<5	<1	2
L91N 39+50E	1	19	174	575	.6	34	8	940	3.48	10	<5	<2	12	31	1.8	<2	2	76	1.17	.175	24	29	1.30	183	.18	4	5.28	.04	.12	<2	<5	<1	<1
L91N 40+00E	2	15	194	378	.4	31	10	1114	3.32	8	<5	<2	11	24	<.2	<2	<2	78	.64	.253	18	36	1.27	188	.19	6	5.03	.03	.14	<2	6	1	<1
L91N 40+50E	<1	26	153	560	<.3	18	5	2078	2.13	7	<5	<2	18	73	2.4	<2	2	60	7.39	.445	24	26	3.15	415	.12	11	3.66	.03	.24	<2	<5	<1	<1
L91N 41+00E	2	18	255	466	.8	29	9	1325	3.31	6	<5	<2	11	26	1.2	2	2	71	.84	.248	21	34	1.37	308	.17	5	4.58	.03	.17	<2	<5	<1	1
L91N 41+50E	2	18	271	886	.3	38	9	2077	3.44	11	<5	<2	10	34	4.0	<2	<2	150	1.54	.373	21	44	3.32	335	.19	6	5.54	.04	.14	<2	5	<1	1
L91N 42+00E	2	46	172	408	1.6	47	12	541	3.50	4	<5	<2	15	32	1.0	<2	3	88	.97	.137	40	63	2.24	251	.21	5	5.23	.05	.16	<2	<5	<1	2
L91N 42+50E	1	26	79	242	1.2	24	6	666	2.32	2	<5	<2	10	45	.5	<2	<2	65	2.73	.180	23	24	2.44	151	.17	6	4.70	.05	.12	<2	<5	<1	1
L91N 43+00E	2	48	81	431	1.0	73	18	805	4.02	14	<5	<2	15	31	1.1	<2	<2	62	2.15	.170	38	41	1.72	113	.11	6	3.84	.13	.14	<2	<5	<1	1
L91N 43+50E	2	38	77	499	1.4	51	10	1030	3.32	8	<5	<2	16	22	.7	<2	5	131	.66	.282	30	45	2.24	322	.18	4	5.32	.03	.16	<2	<5	<1	5
L91N 44+00E	1	29	68	449	.9	35	10	1001	3.27	5	<5	<2	15	24	1.7	<2	2	80	.79	.520	30	40	2.29	412	.17	4	5.72	.04	.10	<2	6	1	<1
L91N 44+50E	2	32	77	411	.8	44	11	925	3.32	4	<5	<2	16	20	.7	<2	3	112	.58	.233	24	44	1.86	388	.17	4	4.48	.03	.16	<2	5	1	1
L91N 45+00E	1	21	116	519	<.3	48	11	1588	2.66	4	<5	<2	9	28	3.3	<2	<2	83	1.52	.475	31	35	.97	1882	.11	5	2.40	.03	.17	<2	<5	<1	<1
L91N 45+50E	3	60	47	610	1.5	53	10	586	2.77	6	<5	<2	11	24	2.4	2	2	197	.45	.144	19	41	.76	349	.15	3	3.50	.02	.14	<2	<5	<1	8
L91N 46+00E	8	101	43	692	1.5	89	11	252	3.10	9	<5	<2	13	27	1.4	5	4	399	.74	.187	27	68	1.07	339	.14	<3	2.61	.01	.20	<2	<5	<1	3
STANDARD C/AU-S	20	58	44	141	6.5	66	33	1048	3.93	44	18	7	40	52	16.2	17	23	59	.50	.089	39	63	.92	187	.08	27	1.86	.06	.16	11	<5	1	47

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L91N 46+50E	8	90	36	701	.6	85	11	243	2.89	10	12	<2	16	26	1.3	4	5	378	.72	.173	29	61	1.09	287	.14	3	2.52	.01	.21	<2	<5	<1	2
L91N 47+00E	3	34	40	888	.5	54	8	563	2.24	5	5	<2	8	30	17.4	6	<2	191	.66	.296	16	32	.53	472	.10	3	2.33	.01	.16	<2	<5	<1	<1
L91N 47+50E	3	73	53	1000	.8	67	13	983	2.77	10	7	<2	8	34	13.4	3	<2	238	.91	.321	18	41	.68	704	.09	3	2.22	.01	.18	<2	<5	<1	<1
L91N 48+00E	4	139	52	1953	.3	123	14	802	2.95	11	11	<2	5	33	12.3	4	<2	287	.98	.194	21	47	.89	440	.09	4	2.53	.01	.16	<2	<5	<1	1
L91N 48+50E	7	96	31	631	1.4	69	14	311	3.20	11	10	<2	13	44	3.4	4	2	227	.78	.317	25	50	.96	389	.12	4	2.08	.02	.18	<2	<5	<1	1
L91N 49+00E	4	74	25	865	.8	71	14	482	2.69	2	<5	<2	14	45	9.2	3	5	276	.67	.287	22	51	.89	727	.12	4	2.22	.02	.18	<2	<5	<1	<1
L91N 49+50E	6	109	39	738	1.3	67	14	578	3.05	10	6	<2	11	56	5.3	4	<2	296	1.02	.295	24	52	1.10	528	.11	<3	2.12	.01	.24	<2	<5	<1	2
L91N 50+00E	4	109	38	2265	1.2	137	13	440	2.76	13	12	<2	8	38	6.8	3	<2	308	.67	.199	22	53	1.14	566	.10	3	2.55	.01	.15	<2	<5	<1	1
L91N 50+50E	9	215	103	1491	.8	155	22	516	4.33	12	13	<2	13	44	4.5	<2	<2	277	.59	.262	21	59	1.13	442	.13	<3	4.29	.01	.23	2	<5	<1	2
L91N 51+00E	3	72	33	812	<.3	50	11	462	2.77	6	5	<2	8	53	9.5	4	<2	224	.77	.324	16	48	1.06	644	.14	<3	2.56	.01	.21	<2	<5	<1	<1
L91N 51+50E	2	56	47	786	.8	55	10	596	2.76	5	<5	<2	9	33	8.8	3	<2	185	.61	.311	15	42	.74	677	.12	<3	2.53	.01	.19	<2	<5	<1	<1
L91N 52+00E	3	56	48	823	.5	60	11	733	2.66	4	9	<2	11	32	6.0	5	<2	213	.60	.321	17	43	.82	1003	.12	3	2.69	.01	.17	<2	<5	<1	<1
L91N 52+50E	3	66	44	1058	<.3	67	12	674	2.70	3	<5	<2	11	47	10.9	5	<2	223	.62	.306	17	47	.82	761	.12	<3	2.66	.01	.15	<2	<5	<1	1
L91N 53+00E	3	100	35	1772	1.0	74	13	427	2.57	2	5	<2	13	27	13.3	2	4	368	.43	.376	16	62	1.36	644	.13	<3	3.57	.01	.14	<2	<5	<1	<1
L91N 53+50E	5	106	52	932	.7	73	13	309	2.70	7	<5	<2	12	50	2.9	3	3	365	.63	.376	21	59	1.21	852	.13	3	3.05	.01	.17	<2	<5	<1	1
L91N 54+00E	4	145	25	1309	1.0	59	15	749	2.87	5	11	<2	10	56	16.2	2	2	333	.77	.467	11	68	1.32	1019	.13	3	3.60	.01	.13	<2	<5	<1	<1
L91N 54+50E	3	78	39	1100	.6	56	14	874	2.70	4	5	<2	9	37	11.5	3	<2	236	.67	.458	15	50	.90	1157	.14	5	3.71	.02	.16	<2	<5	<1	<1
L91N 55+00E	4	177	20	1759	1.8	86	21	566	3.23	<2	15	<2	14	45	8.6	2	6	187	.64	.458	22	59	1.14	1344	.13	4	4.25	.01	.14	<2	<5	<1	<1
L91N 55+50E	3	54	163	934	.3	52	12	689	2.93	10	<5	<2	13	30	3.5	5	5	126	.72	.357	20	44	.86	474	.14	3	3.34	.02	.21	5	<5	<1	1
L91N 56+00E	1	78	19	679	<.3	46	16	1462	2.82	4	7	<2	2	37	7.5	2	<2	72	.91	.253	10	19	.36	841	.09	4	1.84	.01	.11	2	<5	<1	<1
L91N 56+50E	3	92	24	743	<.3	65	15	1043	3.35	11	5	<2	5	27	2.7	3	<2	121	.70	.235	11	26	.68	463	.09	<3	2.44	.01	.17	<2	<5	<1	<1
L91N 57+00E	3	92	36	961	<.3	58	13	696	3.11	5	<5	<2	9	30	3.6	2	2	149	.56	.244	14	29	.57	610	.13	3	3.24	.02	.13	<2	<5	<1	<1
L91N 57+50E	4	94	34	622	<.3	61	12	683	3.36	5	<5	<2	8	31	1.7	3	<2	183	.56	.171	13	35	.85	272	.16	3	3.92	.02	.11	<2	<5	<1	<1
L91N 58+00E	11	411	23	725	<.3	94	16	195	3.08	6	14	<2	13	22	<.2	<2	3	106	.39	.276	28	22	.51	219	.11	<3	9.19	.01	.05	<2	6	<1	1
RE L91N 58+00E	10	419	20	738	<.3	93	16	193	3.14	<2	11	<2	11	22	<.2	<2	4	108	.39	.280	28	24	.52	224	.11	<3	9.38	.01	.06	<2	<5	<1	1
L91N 58+50E	2	60	104	868	<.3	36	11	1269	2.38	3	<5	<2	7	41	3.7	2	<2	86	.91	.222	15	21	.77	1019	.10	6	2.39	.02	.13	<2	<5	<1	<1
L91N 59+00E	3	61	28	1137	.5	72	13	407	2.85	4	9	<2	12	26	.2	5	5	138	.40	.141	10	27	.56	287	.15	<3	3.40	.02	.09	<2	<5	<1	<1
L91N 59+50E	10	124	81	1494	.9	98	20	767	3.54	11	13	<2	5	39	5.0	6	2	213	.50	.224	13	28	.57	404	.08	4	2.97	.01	.11	<2	<5	<1	<1
L91N 60+00E	4	86	62	1115	1.2	63	12	729	2.75	8	10	<2	5	28	3.6	3	<2	234	.57	.236	13	34	.67	498	.09	<3	2.27	.01	.11	<2	<5	<1	<1
L83N 46+50E	8	555	25	1516	<.3	138	56	1381	5.51	7	9	<2	5	56	15.2	<2	<2	136	.84	.342	27	41	.71	624	.12	3	4.70	.02	.11	<2	<5	<1	<1
L83N 47+00E	8	66	93	700	.4	46	12	995	3.62	27	<5	<2	26	24	3.3	<2	4	72	.39	.489	20	17	.53	259	.20	4	7.09	.02	.11	<2	5	<1	<1
L83N 47+50E	6	358	137	997	.4	120	21	976	5.33	12	<5	<2	12	27	1.1	4	<2	121	.54	.231	20	39	.74	735	.14	4	3.92	.01	.19	4	<5	<1	<1
L83N 48+00E	6	159	37	1184	1.1	109	13	522	4.24	6	6	<2	10	36	.6	2	4	81	.61	.397	13	24	.56	1739	.17	4	4.12	.03	.18	<2	<5	<1	<1
L83N 48+50E	4	142	169	1173	.6	74	14	806	3.55	10	<5	<2	12	30	1.1	3	7	128	.48	.173	19	29	.56	538	.15	3	4.05	.01	.14	<2	<5	<1	<1
L83N 49+00E	4	94	145	891	.4	62	15	1225	3.62	30	<5	<2	12	22	1.0	5	3	147	.48	.238	22	45	.86	607	.13	3	3.69	.01	.23	2	<5	<1	2
STANDARD C/AU-S	21	56	39	135	6.9	68	31	1108	3.98	44	18	7	42	54	16.2	19	22	61	.52	.088	41	60	.95	175	.09	29	1.94	.06	.17	11	<5	1	52

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L83N 49+50E	18	439	14	1428	4.8	157	26	681	8.37	63	34	<2	12	41	1.8	5	4	235	.53	.306	23	38	1.13	1062	.07	<3	4.07	.01	.16	<2	<5	<1	13
L83N 50+00E	5	215	18	1585	.6	179	21	574	4.81	2	5	<2	7	25	1.3	<2	<2	180	.43	.113	12	33	.78	607	.14	<3	4.18	.01	.11	<2	<5	<1	1
RE L83N 50+00E	5	220	21	1579	.4	183	21	575	4.81	2	<5	<2	8	25	.8	<2	3	181	.43	.113	11	35	.78	611	.14	3	4.17	.01	.11	<2	<5	<1	4
L81N 30+00E	1	29	22	311	.5	33	8	220	3.36	19	<5	<2	13	20	<.2	<2	3	37	.39	.294	17	26	.60	164	.17	3	4.78	.03	.12	<2	<5	<1	<1
L81N 30+50E	1	13	37	311	<.3	29	8	2353	4.14	6	<5	<2	16	29	<.2	<2	3	55	1.58	.328	36	31	3.10	296	.20	4	6.20	.04	.08	<2	<5	<1	1
L81N 31+00E	2	34	31	275	<.3	42	10	412	3.81	27	<5	<2	14	20	<.2	<2	3	69	.32	.134	16	34	.90	308	.20	3	4.83	.03	.14	3	<5	<1	1
L81N 31+50E	2	15	19	324	<.3	41	15	2422	4.09	11	5	<2	7	24	<.2	<2	<2	50	.40	.187	17	33	.69	270	.19	3	4.44	.02	.19	<2	<5	<1	1
L81N 32+00E	2	13	6	315	<.3	42	11	1049	4.07	<2	<5	<2	13	20	<.2	<2	3	48	.27	.090	16	34	.69	227	.25	6	4.84	.03	.28	<2	<5	1	<1
L81N 32+50E	3	7	10	807	<.3	22	4	433	3.23	3	<5	<2	10	24	.3	<2	3	36	.49	.103	10	15	.24	151	.23	6	5.07	.04	.08	11	<5	<1	1
L81N 33+00E	2	11	15	908	.6	22	3	404	2.62	6	<5	<2	10	35	1.7	<2	2	21	.97	.452	17	10	.25	123	.16	6	4.32	.04	.08	21	<5	<1	<1
L81N 33+50E	5	27	195	952	1.3	43	9	600	3.70	8	8	<2	11	32	2.2	<2	2	68	.94	.118	17	35	.66	176	.18	3	4.61	.04	.11	<2	<5	<1	2
L81N 34+00E	5	70	164	601	.3	44	23	2483	4.63	18	7	<2	8	25	1.3	<2	<2	82	.60	.186	17	38	.82	309	.15	3	3.04	.02	.26	4	<5	<1	4
L81N 34+50E	3	23	172	1500	<.3	47	10	1126	3.87	4	<5	<2	16	25	3.7	<2	4	64	.44	.245	17	32	.59	300	.20	4	5.17	.04	.14	<2	<5	<1	1
L81N 35+00E	8	58	234	701	.4	43	12	969	3.75	19	<5	<2	9	33	2.1	<2	4	109	.71	.180	20	34	.82	303	.17	3	4.09	.02	.21	20	<5	1	1
L81N 35+50E	3	28	48	552	<.3	35	13	2852	3.45	7	12	<2	5	53	3.3	<2	2	98	.80	.487	16	29	.67	877	.15	3	3.46	.02	.20	<2	<5	<1	1
L81N 36+00E	5	16	29	203	<.3	30	11	2094	3.51	2	12	<2	11	19	<.2	<2	<2	49	.20	.232	18	20	.38	256	.20	<3	5.01	.02	.10	<2	<5	<1	1
L81N 36+50E	3	13	67	521	<.3	26	9	2624	3.46	12	6	<2	5	28	1.3	<2	<2	74	.51	.148	14	24	.59	452	.17	<3	4.01	.02	.13	<2	<5	<1	<1
L81N 37+00E	2	35	5493	15186	<.3	88	8	2180	5.77	15	7	<2	10	36	41.9	<2	2	111	1.10	.325	21	49	1.23	323	.17	4	3.61	.03	.17	<2	<5	<1	6
L81N 38+00E	2	4	739	2871	<.3	19	4	1967	3.51	12	<5	<2	12	119	26.5	2	6	42	9.58	.286	19	17	5.51	238	.08	3	2.46	.02	.09	<2	<5	<1	5
L81N 38+50E	12	89	13691	8510	3.9	59	8	856	15.81	142	17	<2	5	16	13.5	26	7	302	.48	.188	20	54	.97	136	.07	<3	1.74	.01	.15	<2	<5	<1	170
L81N 39+00E	2	11	1074	2363	<.3	27	6	1333	3.51	9	5	<2	12	24	6.9	<2	4	51	.53	.191	16	26	.64	304	.17	3	3.87	.03	.17	<2	<5	<1	3
L81N 39+50E	3	13	1595	3726	<.3	34	7	1352	4.04	8	<5	<2	7	25	9.6	<2	<2	77	.93	.191	20	29	1.11	251	.15	5	4.20	.03	.13	<2	<5	<1	2
L81N 40+00E	1	3	518	1645	<.3	41	6	1763	2.94	9	<5	<2	7	34	6.7	<2	<2	89	1.69	.485	19	26	1.69	346	.15	<3	4.17	.03	.11	<2	<5	<1	1
L81N 40+50E	3	27	866	2062	<.3	52	8	737	3.78	7	<5	<2	12	30	7.1	<2	4	110	1.04	.376	29	37	1.41	283	.18	3	4.96	.03	.17	<2	<5	1	2
L81N 41+00E	2	19	652	1889	<.3	38	8	927	3.72	7	<5	<2	11	22	6.9	<2	<2	77	.62	.272	23	36	1.17	295	.16	<3	4.26	.02	.18	<2	<5	<1	1
L81N 41+50E	1	13	182	895	<.3	31	5	2026	2.59	10	<5	<2	12	74	7.8	<2	<2	68	6.85	.384	21	24	3.99	412	.11	3	3.43	.02	.11	<2	<5	1	1
L81N 42+00E	2	18	86	865	.5	53	8	587	3.11	6	<5	<2	15	20	2.3	<2	4	63	.31	.254	23	23	.46	480	.13	3	3.39	.02	.16	2	<5	<1	1
L81N 42+50E	4	31	174	919	1.2	56	11	1095	3.55	17	<5	<2	13	26	4.2	<2	5	106	.47	.367	21	30	.61	574	.13	3	3.85	.01	.19	<2	<5	<1	3
L81N 43+00E	4	66	42	832	2.2	61	9	323	4.15	20	<5	<2	15	19	2.0	<2	3	230	.46	.216	22	40	.67	279	.12	<3	2.99	.01	.14	<2	<5	<1	3
L81N 43+50E	5	102	53	1224	2.2	82	15	613	4.98	23	<5	<2	16	18	6.7	<2	6	293	.36	.217	35	42	.96	276	.13	<3	3.74	.01	.17	<2	<5	<1	6
L81N 44+00E	4	48	77	888	<.3	62	9	610	3.33	7	<5	<2	12	17	4.5	<2	5	190	.46	.198	21	41	.81	355	.12	<3	3.17	.01	.18	<2	<5	<1	1
L81N 44+50E	3	46	130	802	.3	52	9	541	3.34	11	<5	<2	11	21	3.6	<2	3	194	.55	.195	23	44	.99	318	.12	<3	2.80	.01	.23	3	<5	<1	2
L81N 45+00E	3	45	138	911	<.3	55	9	768	3.59	11	<5	<2	16	24	4.8	<2	3	176	.61	.242	23	43	.86	401	.13	3	3.19	.01	.24	2	<5	<1	5
L81N 45+50E	3	52	112	732	.4	43	8	352	3.37	7	<5	<2	12	23	3.1	<2	4	118	.42	.214	27	35	.62	335	.16	3	4.17	.03	.21	6	<5	<1	3
L81N 46+00E	4	66	134	863	.3	63	13	860	3.73	11	<5	<2	12	19	3.9	<2	3	179	.45	.191	23	47	.94	331	.13	3	3.29	.01	.21	6	<5	1	3
STANDARD C/AU-S	22	58	37	143	5.8	70	31	1128	4.19	44	15	8	41	54	19.3	17	22	60	.52	.095	41	59	.94	194	.09	26	1.92	.06	.15	10	<5	2	50

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L81N 46+50E	4	76	134	951	.9	79	13	1145	3.48	11	<5	<2	12	28	7.3	<2	4	207	.52	.221	21	45	1.03	379	.13	3	3.48	.01	.20	<2	<5	1	1
L81N 47+00E	8	196	58	725	.8	104	19	1019	4.46	16	<5	<2	7	33	2.7	<2	<2	149	.52	.243	15	39	.79	627	.14	4	3.72	.01	.13	2	<5	<1	<1
L81N 47+50E	16	88	85	437	<.3	54	15	1863	3.48	18	6	<2	14	33	2.6	<2	2	90	.41	.179	18	34	.64	644	.14	3	3.51	.02	.14	6	<5	<1	2
RE L81N 47+50E	16	87	85	434	<.3	54	14	1850	3.46	18	<5	<2	12	33	1.3	<2	3	90	.40	.179	17	33	.63	637	.13	4	3.50	.01	.13	6	<5	<1	6
L81N 48+00E	12	56	65	489	<.3	31	10	1981	2.78	15	6	<2	12	47	7.1	<2	<2	51	.67	.360	17	19	.36	913	.14	6	4.12	.04	.13	2	<5	<1	1
L81N 48+50E	6	28	59	471	<.3	56	15	4997	3.44	22	16	<2	16	33	2.8	3	2	89	.79	.178	21	25	.57	1279	.06	4	3.15	.01	.17	<2	<5	<1	1
L81N 49+00E	6	38	83	455	<.3	40	13	2978	3.59	68	5	<2	12	31	3.5	<2	<2	87	.60	.222	17	27	.56	1031	.13	3	3.95	.02	.16	<2	<5	<1	3
L81N 49+50E	15	241	20	319	1.6	78	16	527	4.43	32	<5	<2	13	34	2.4	<2	<2	249	1.05	.240	26	71	2.51	1154	.11	3	2.77	.01	.17	<2	<5	<1	10
L81N 50+00E	5	300	50	933	1.3	122	23	624	4.04	7	<5	<2	14	25	3.9	<2	3	131	.56	.271	21	37	.70	625	.13	3	4.00	.01	.15	<2	<5	<1	11

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 95-4452

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
T.K.1	4	9	4738	26439	6.4	7	3	442	8.17	11	24	<2	5	173	71.4	<2	9	4	11.84	.054	4	6	4.19	3	<.01	<3	.18	.02	.03	<2	<5	1	<.001
T.K.2	4	462	3340	7036	4.3	22	7	387	36.71	12	16	<2	<2	32	23.0	<2	9	3	1.98	.020	1	7	.21	3	.01	<3	.18	.01	.04	<2	<5	<1	<.001
T.K.3	3	69	15657	47782	63.0	<1	6	3401	4.90	16570	30	<2	14	393	347.9	49	8	5	11.31	.048	6	7	4.99	31	.01	12	.37	.01	.32	<2	<5	<1	.008
T.K.4	4	195	605	2066	<.3	15	7	436	4.74	127	5	<2	9	363	8.7	<2	<2	9	4.09	.414	13	18	.80	50	.05	<3	3.33	.12	.15	<2	<5	<1	<.001
T.K.5	6	502	695	16631	1.1	13	25	1111	12.69	101	5	<2	9	114	154.6	49	<2	12	2.19	.161	16	14	.56	12	.07	4	2.56	.08	.16	229	<5	<1	<.001
T.K.6	7	57	37	5879	<.3	3	4	542	1.77	<2	7	<2	<2	130	75.4	<2	2	1	5.08	.099	1	3	1.12	88	<.01	5	1.55	.08	.17	<2	<5	<1	<.001
RE T.K.6	7	58	39	6065	<.3	2	4	562	1.82	2	14	<2	<2	135	79.2	<2	2	1	5.24	.100	1	3	1.15	91	<.01	5	1.60	.09	.18	<2	<5	<1	<.001
RRE T.K.6	7	55	39	6020	<.3	3	4	549	1.79	2	<5	<2	3	132	77.2	<2	3	1	5.14	.099	1	2	1.14	90	<.01	5	1.58	.08	.17	<2	<5	<1	<.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 2 1995 **DATE REPORT MAILED:** Nov 10/95 **SIGNED BY.** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL/ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4462 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** oz/t
1016	2	34	9	81	.3	55	21	608	4.57	37	<5	<2	8	70	1.3	<2	<2	15	2.07	.032	18	23	.90	84	.03	8	1.03	.03	.69	<2	<5	<1	<.001
1017	2	90	8	32	<.3	29	18	471	5.24	<2	<5	<2	9	37	1.2	<2	<2	16	3.69	.256	16	34	.58	10	.07	4	1.49	.02	.05	9	<5	<1	.001
1018	6	25	15	3	1.2	25	6	609	1.07	3	<5	<2	<2	4	.4	7	732	3	.28	.012	<1	12	.04	23	<.01	4	.06	.01	.01	59	<5	<1	.094
1019	4	78	7	8	.4	120	24	700	3.68	116	<5	<2	<2	7	1.4	5	19	3	.29	.059	1	2	.08	87	<.01	5	.19	.01	.05	293	<5	<1	.005
1020	29	88	276	7	7.3	96	21	1021	2.70	80	12	34	<2	9	.9	34	3149	8	.46	.169	1	6	.05	199	<.01	8	.20	.01	.09	172	<5	<1	.978
1021	13	36	690	7	76.0	47	12	482	4.18	109	6	<2	<2	6	1.1	34	1159	5	.11	.054	1	10	.02	45	<.01	4	.06	<.01	.04	85	<5	<1	.020
1022	10	84	29	4	1.8	17	4	199	2.27	22	<5	<2	<2	4	.4	3	263	5	.08	.028	2	1	.01	34	<.01	7	.05	<.01	.03	470	<5	<1	.043
RE 1022	10	86	31	4	1.7	18	4	169	2.28	21	<5	<2	<2	4	<.2	4	263	5	.08	.029	2	<1	.01	34	<.01	8	.06	<.01	.02	484	<5	<1	.045
RRE 1022	9	95	31	5	2.2	14	3	212	2.36	23	<5	<2	2	4	<.2	6	309	5	.09	.031	2	<1	.01	36	<.01	8	.06	<.01	.03	560	<5	<1	.038
1023	7	134	12	45	.8	112	27	246	3.34	9	5	<2	4	121	1.1	<2	17	37	2.18	.098	9	61	.57	72	.17	3	2.41	.12	.12	37	<5	<1	.001
1024	5	152	47	5	3.6	37	24	215	5.38	168	7	4	3	5	1.2	24	1985	54	.12	.025	2	25	.07	29	.01	5	.15	.01	.07	8	<5	<1	.294
1025	3	9	<3	1	.3	10	1	108	.41	2	<5	<2	<2	1	<.2	<2	24	1	.01	.001	<1	12	<.01	5	<.01	<3	.01	<.01	<.01	4	<5	<1	.004
1026	7	9	6	21	.3	17	1	156	.75	2	5	<2	<2	2	.2	<2	6	1	.03	.003	<1	20	.01	11	<.01	<3	.03	<.01	<.01	4	<5	<1	<.001
STANDARD C/AU-1	21	56	37	132	6.0	67	32	1093	3.95	41	18	7	38	51	18.3	17	19	60	.49	.091	39	60	.91	188	.08	24	1.83	.06	.14	11	<5	1	.105

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P7 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 2 1995 **DATE REPORT MAILED:** Nov 15/95 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo* ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L89N 32+00E	2	49	28	308	.5	65	14	824	3.18	25	<5	<2	6	26	3.1	<2	2	55	.36	.194	20	34	.62	325	.21	5	4.52	.03	.13	3	<5	<1	6
L89N 32+50E	2	62	97	331	.6	42	18	2527	4.68	75	<5	<2	7	29	2.9	<2	6	60	.88	.180	30	26	.85	967	.17	5	4.11	.03	.14	<2	<5	2	28
L89N 33+00E	1	16	124	382	.3	19	8	2106	2.70	12	<5	<2	4	42	1.4	<2	2	55	2.02	.258	19	23	2.22	499	.15	7	4.02	.03	.10	3	<5	<1	2
L89N 33+50E	1	18	62	276	<.3	32	7	1421	2.62	15	<5	<2	6	19	1.7	<2	2	42	.58	.118	15	22	.90	253	.16	4	3.76	.02	.10	3	<5	2	2
L89N 34+00E	4	39	1233	2425	.4	44	16	2058	3.18	350	<5	<2	3	53	14.4	2	4	51	2.66	.127	13	29	1.57	285	.12	4	2.24	.03	.20	43	<5	<1	6
L89N 35+00E	1	24	102	599	<.3	42	13	2872	3.49	13	<5	<2	7	56	3.3	<2	2	38	1.59	.306	17	36	1.93	364	.19	4	4.00	.06	.26	7	<5	1	1
L89N 35+50E	2	20	31	485	<.3	35	11	2568	3.20	6	<5	<2	5	47	1.8	<2	3	36	1.19	.128	13	31	1.25	322	.19	8	3.87	.05	.20	45	<5	2	1
L89N 36+00E	3	31	120	671	.3	32	20	5958	4.20	15	<5	<2	4	51	6.3	<2	<2	43	1.23	.297	28	28	.65	524	.10	7	2.98	.02	.27	9	<5	<1	1
L89N 36+50E	<1	15	114	1935	<.3	21	6	1837	2.05	2	<5	<2	3	29	13.1	<2	<2	53	1.44	.300	14	24	1.53	424	.14	5	2.87	.04	.13	<2	<5	1	1
L89N 37+00E	1	18	160	540	<.3	28	7	698	2.79	8	<5	<2	7	22	2.3	<2	4	62	1.01	.130	20	30	1.66	159	.17	<3	4.35	.03	.09	<2	<5	1	1
L89N 37+50E	2	20	296	1114	<.3	35	5	1959	4.34	14	<5	<2	3	26	5.6	<2	2	83	1.76	.292	16	30	1.98	304	.12	4	2.99	.03	.13	<2	<5	2	3
L89N 38+00E	5	36	492	1257	.5	70	9	930	5.91	15	<5	<2	6	28	6.4	<2	2	131	1.75	.251	19	34	1.84	207	.13	3	3.37	.02	.16	<2	<5	<1	2
L89N 38+50E	1	23	76	440	<.3	28	8	904	3.25	4	<5	<2	7	17	2.8	<2	5	54	.34	.153	15	28	.85	228	.19	4	4.62	.03	.14	2	<5	2	1
L89N 39+00E	1	27	112	567	.3	26	9	1435	3.02	6	<5	<2	5	35	4.7	<2	<2	53	1.78	.235	18	29	1.24	205	.15	5	3.82	.03	.16	<2	<5	3	3
L89N 39+50E	1	24	212	532	<.3	30	7	1688	3.15	14	<5	<2	6	34	4.6	<2	2	101	1.50	.457	22	40	1.85	281	.16	3	4.23	.04	.15	4	<5	<1	1
L89N 40+00E	<1	27	135	478	.4	17	4	2096	1.96	<2	<5	<2	3	69	4.0	<2	2	43	7.60	.396	13	19	3.00	377	.09	4	2.71	.02	.11	<2	<5	1	1
L89N 40+50E	1	31	101	322	.3	68	16	1394	3.85	6	<5	<2	6	33	2.5	3	3	77	1.70	.329	23	64	1.97	315	.19	4	4.08	.03	.19	3	<5	1	5
L89N 41+00E	1	39	105	363	<.3	98	18	1358	4.47	17	<5	<2	9	28	3.7	8	3	98	.65	.361	26	127	2.45	532	.21	6	4.52	.02	.31	<2	<5	1	<1
L89N 41+50E	1	24	142	481	<.3	40	10	1481	3.83	15	<5	<2	9	23	4.1	<2	4	85	.88	.178	25	43	3.37	265	.20	6	5.00	.03	.19	<2	<5	2	2
L89N 42+00E	1	24	166	443	.3	25	7	3102	2.34	3	<5	<2	3	33	3.2	<2	<2	67	1.34	.409	18	30	1.53	408	.11	4	2.97	.03	.11	<2	<5	1	1
L89N 42+50E	1	30	160	392	.3	65	11	699	3.83	7	<5	<2	9	23	2.1	<2	5	89	.76	.272	25	50	1.72	265	.21	5	5.31	.03	.15	<2	<5	1	1
L89N 43+00E	1	20	44	219	.3	9	2	1399	1.15	6	<5	<2	<2	86	1.9	<2	<2	31	10.99	.295	10	12	5.97	181	.04	4	1.77	.01	.08	<2	<5	<1	1
RE L89N 43+00E	1	21	41	246	.5	12	3	1562	1.28	4	<5	<2	<2	83	1.9	<2	<2	35	10.20	.329	11	13	5.49	200	.04	6	1.98	.02	.08	<2	<5	1	<1
L89N 43+50E	2	39	119	387	.3	40	10	883	3.42	7	<5	<2	8	32	2.8	<2	<2	88	.86	.185	29	39	1.61	361	.17	<3	4.22	.03	.18	<2	<5	1	1
L89N 44+00E	1	31	88	378	<.3	40	9	567	3.26	7	<5	<2	8	20	2.1	<2	5	90	.43	.210	18	33	1.35	308	.18	<3	4.90	.03	.13	<2	<5	2	1
L89N 44+50E	1	28	119	430	<.3	40	9	1445	3.41	11	<5	<2	10	24	3.9	<2	3	92	.90	.383	24	41	2.78	451	.18	5	4.73	.03	.17	<2	<5	1	1
L89N 45+00E	1	25	85	532	.4	36	7	913	2.42	<2	<5	<2	6	26	7.4	<2	<2	73	.92	.386	20	25	.68	502	.13	4	2.96	.03	.18	<2	<5	1	1
L89N 45+50E	2	25	48	677	.3	36	8	832	2.54	8	<5	<2	5	18	7.6	2	<2	103	.40	.386	14	28	.47	506	.12	<3	2.29	.02	.15	<2	<5	2	2
L89N 46+00E	3	55	136	725	.3	63	13	1171	3.31	12	<5	<2	3	19	6.7	2	3	177	.58	.202	20	42	.81	343	.10	<3	2.65	.01	.25	2	<5	2	2
L89N 46+50E	3	36	43	505	.4	45	8	418	2.34	6	<5	<2	6	20	4.7	<2	<2	196	.60	.251	17	37	.62	350	.10	3	1.94	.01	.16	<2	<5	1	1
L89N 47+00E	3	46	43	687	<.3	64	12	1074	2.90	2	<5	<2	5	36	7.8	<2	<2	239	.54	.243	18	41	.66	522	.11	4	2.74	.01	.17	<2	<5	2	<1
L89N 47+50E	2	41	50	837	.3	51	9	757	2.52	6	<5	<2	4	35	14.4	<2	<2	139	.76	.515	14	32	.46	591	.10	<3	2.52	.02	.13	<2	<5	2	<1
L89N 48+00E	3	71	69	456	.4	56	11	303	2.84	12	<5	<2	6	29	4.4	2	5	186	.66	.232	21	50	.74	306	.12	3	2.03	.01	.21	8	<5	1	5
L89N 48+50E	4	54	29	620	.5	58	10	507	2.31	5	<5	<2	5	36	6.2	2	2	271	.61	.271	17	45	.67	531	.10	<3	1.86	.01	.13	<2	<5	1	1
L89N 49+00E	3	42	263	858	.3	52	14	713	3.52	18	<5	<2	9	21	6.3	2	8	121	.61	.212	21	55	.90	430	.11	<3	2.87	.02	.20	16	<5	1	13
STANDARD C/AU-S	19	58	35	125	5.9	66	29	1060	3.85	43	17	6	36	50	17.3	16	22	59	.50	.088	38	56	.86	190	.09	25	1.85	.05	.15	11	<5	3	52

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

AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L89N 49+50E	3	59	20	537	.8	61	11	374	2.62	10	<5	<2	6	34	4.7	<2	4	232	.57	.306	22	50	.95	387	.14	<3	2.42	.02	.16	<2	<5	1	15
L89N 50+00E	2	51	85	1064	.4	74	10	400	2.95	12	<5	<2	6	25	13.1	<2	3	134	.44	.264	20	39	.77	407	.13	3	3.38	.02	.14	<2	<5	2	3
L89N 50+50E	5	97	63	1666	.4	111	15	1059	3.35	6	<5	<2	4	48	22.7	<2	<2	243	.58	.266	14	36	.65	763	.09	4	2.80	.01	.12	<2	<5	1	3
L89N 51+00E	3	67	51	842	.4	54	10	570	2.75	11	<5	<2	6	35	15.1	<2	2	167	.68	.553	16	42	.68	910	.10	6	2.69	.01	.15	<2	<5	1	1
L89N 51+50E	2	59	45	733	.6	55	9	450	2.68	12	<5	<2	6	32	9.6	2	2	181	.62	.420	18	40	.67	605	.10	3	2.38	.01	.15	<2	<5	1	3
L89N 52+00E	3	66	48	614	.7	55	10	413	2.74	10	<5	<2	6	24	5.8	3	<2	200	.52	.320	18	40	.69	437	.12	4	2.71	.01	.16	<2	<5	2	1
L89N 52+50E	2	52	47	1174	.7	69	11	556	2.72	10	<5	<2	7	29	20.2	<2	<2	221	.58	.430	17	47	.76	1101	.11	3	2.47	.01	.16	<2	<5	1	1
L89N 53+00E	1	28	24	1296	.3	36	11	499	2.25	11	<5	<2	5	50	34.3	<2	<2	87	.54	1.171	10	19	.27	1577	.13	3	3.85	.03	.10	<2	<5	1	1
L89N 53+50E	3	92	124	1227	.6	87	17	713	3.67	11	<5	<2	8	48	13.6	<2	4	206	.84	.389	23	58	.97	624	.12	3	2.68	.02	.25	3	<5	1	3
L89N 54+00E	3	110	131	1037	1.1	75	15	548	3.50	15	<5	<2	7	64	10.9	2	<2	151	.85	.536	19	42	.69	638	.11	<3	3.18	.02	.20	3	<5	1	3
L89N 54+50E	3	187	73	2093	1.6	141	12	406	3.31	9	10	<2	6	56	18.9	<2	<2	344	.79	.194	20	82	.81	439	.09	5	3.44	.02	.14	<2	<5	1	2
L89N 55+00E	2	121	26	519	.4	56	11	401	2.71	2	<5	<2	6	25	4.1	<2	<2	159	.62	.304	18	37	.60	361	.10	5	2.21	.01	.12	<2	<5	1	2
L89N 55+50E	1	64	18	373	<.3	55	11	1274	2.53	4	<5	<2	5	36	7.1	<2	<2	69	.92	.244	16	36	.79	795	.11	4	2.44	.02	.16	6	<5	1	1
L89N 56+00E	1	43	12	257	<.3	25	5	821	1.75	<2	<5	<2	4	30	4.6	<2	<2	40	1.66	.164	19	16	.25	176	.07	3	1.78	.01	.07	24	<5	<1	<1
L89N 56+50E	1	70	19	338	<.3	54	11	906	2.85	2	<5	<2	6	26	4.6	<2	<2	86	.83	.165	20	24	.59	258	.10	6	3.05	.02	.13	7	<5	1	1
L89N 57+00E	3	137	34	770	.3	91	17	941	2.83	2	5	<2	3	36	7.3	<2	<2	112	.86	.236	15	26	.70	489	.08	3	2.52	.01	.13	7	<5	<1	<1
RE L89N 57+00E	2	137	34	770	.3	94	17	945	2.85	<2	<5	<2	3	37	7.3	<2	<2	113	.86	.237	15	26	.71	486	.08	5	2.50	.01	.13	14	<5	1	<1
L89N 57+50E	2	61	41	946	.3	58	9	896	2.39	7	<5	<2	4	36	7.5	<2	<2	120	1.08	.184	21	27	.87	278	.11	6	2.70	.02	.11	10	<5	<1	1
L89N 58+00E	3	140	97	2445	.8	130	18	1751	2.74	3	7	<2	4	30	24.7	<2	2	138	1.02	.186	22	32	.81	403	.09	6	3.01	.02	.12	6	<5	<1	<1
L89N 58+50E	6	467	66	4207	4.2	376	53	1032	4.89	4	17	<2	6	35	25.7	<2	4	275	.51	.266	26	49	.71	759	.08	4	6.14	.01	.11	<2	<5	1	3
L89N 59+00E	3	75	9	1523	1.2	100	12	320	2.60	6	7	<2	5	23	7.0	<2	<2	398	.53	.405	11	43	.72	425	.12	<3	3.33	.02	.09	<2	<5	<1	<1
L89N 59+50E	5	62	48	950	.3	64	9	353	2.78	2	6	<2	5	19	5.4	<2	<2	261	.68	.295	14	35	.45	257	.09	<3	2.09	.01	.08	<2	<5	<1	<1
L89N 60+00E	3	35	35	759	.5	40	8	589	2.23	<2	6	<2	4	27	8.1	<2	2	155	.66	.410	13	24	.37	342	.09	4	2.20	.01	.09	<2	<5	<1	1
L89N 60+50E	4	69	43	761	.4	47	6	266	2.24	3	7	<2	5	23	3.8	<2	<2	236	.96	.436	15	31	.43	409	.08	3	1.69	.01	.08	<2	<5	1	<1
L89N 61+00E	4	86	111	702	.3	50	6	338	2.15	<2	10	<2	4	19	3.4	2	<2	238	.83	.291	13	33	.50	188	.08	<3	1.51	<.01	.05	<2	<5	1	2
L87N 25+00E	1	33	12	144	.3	42	15	383	2.96	27	<5	<2	6	19	1.0	<2	<2	36	.20	.177	11	30	.43	150	.15	<3	3.30	.03	.12	22	<5	<1	2
L87N 25+50E	40	206	2072	73	4.5	23	2	144	21.12	4848	5	<2	4	27	.8	8	95	44	.04	.039	3	21	.22	21	.13	9	.84	.05	.29	490	8	2	523
L87N 26+00E	1	21	23	172	<.3	37	11	291	2.86	31	<5	<2	6	20	.5	<2	<2	34	.26	.142	12	30	.48	119	.13	<3	2.86	.03	.13	4	<5	<1	6
L87N 26+50E	1	15	14	329	<.3	31	11	626	2.71	21	5	<2	5	20	1.5	<2	<2	33	.22	.375	8	25	.29	184	.15	5	3.63	.03	.09	<2	<5	<1	2
L87N 27+00E	1	24	23	202	<.3	43	13	314	2.94	24	5	<2	6	17	1.2	<2	<2	40	.19	.163	16	36	.50	189	.16	4	3.55	.02	.13	2	<5	1	2
L87N 27+50E	1	26	18	122	.4	32	10	239	2.74	13	5	<2	6	27	1.1	<2	5	35	.33	.092	13	27	.42	178	.17	9	4.78	.03	.12	<2	5	<1	5
L87N 28+00E	1	34	14	191	<.3	56	20	1588	3.56	7	5	<2	5	34	.9	<2	<2	41	.40	.130	13	37	.54	398	.17	3	3.80	.02	.20	7	5	1	1
L87N 28+50E	1	25	9	146	<.3	45	17	2257	2.85	7	7	<2	4	43	1.1	<2	<2	38	.52	.069	11	30	.62	376	.17	4	3.59	.04	.15	4	<5	<1	1
L87N 29+00E	4	30	29	288	<.3	45	22	1507	3.06	22	9	<2	3	54	1.1	<2	<2	41	.76	.083	10	42	1.00	319	.17	5	3.29	.04	.16	156	11	<1	1
L87N 29+50E	1	43	28	237	<.3	53	20	982	3.34	49	6	<2	6	41	1.2	<2	<2	47	.59	.247	14	48	1.02	312	.20	3	4.24	.04	.28	18	7	1	<1
STANDARD C/AU-S	20	59	35	131	5.9	66	31	1091	3.95	43	16	7	36	51	18.0	18	22	57	.51	.091	39	59	.92	176	.08	27	1.91	.06	.15	11	<5	3	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L87N 30+00E	2	89	18	185	.4	57	20	400	4.44	85	<5	<2	11	22	.3	2	3	72	.41	.131	27	56	.96	317	.17	3	5.23	.03	.28	3	<5	<1	4
L87N 30+50E	3	35	17	247	<.3	58	16	1400	3.72	42	<5	<2	7	32	.7	2	<2	54	.54	.257	18	62	.75	665	.16	4	3.25	.03	.29	<2	<5	<1	7
L87N 31+00E	1	20	24	236	<.3	41	11	1064	2.92	20	<5	<2	6	29	1.3	<2	<2	44	.46	.275	14	39	.53	547	.15	5	3.08	.03	.22	2	<5	<1	2
L87N 31+50E	7	71	49	387	.4	42	18	1604	7.78	36	<5	<2	7	18	1.4	<2	<2	52	.40	.117	18	46	.70	675	.16	5	3.36	.03	.29	<2	<5	<1	38
L87N 32+00E	2	17	116	214	<.3	19	7	1611	2.99	3	<5	<2	7	27	1.5	<2	<2	49	.84	.088	21	21	1.63	474	.19	10	4.99	.04	.10	<2	<5	<1	3
L87N 32+50E	1	16	121	277	<.3	11	3	1682	1.55	<2	<5	<2	<2	30	2.3	<2	<2	48	2.45	.204	14	18	3.83	210	.10	11	2.72	.02	.10	12	<5	<1	<1
L87N 33+00E	1	30	59	252	<.3	41	12	1511	3.40	18	<5	<2	7	28	1.3	<2	<2	54	1.33	.144	19	43	1.22	412	.18	<3	4.25	.03	.17	<2	<5	<1	2
L87N 33+50E	1	19	19	293	<.3	42	17	1280	3.55	12	5	<2	5	20	.7	2	<2	43	.31	.275	8	24	.43	234	.22	3	4.06	.03	.13	2	<5	<1	<1
L87N 34+00E	4	25	208	990	<.3	37	9	1564	2.91	33	<5	<2	6	37	4.5	<2	<2	62	1.65	.171	10	26	1.20	270	.20	6	4.36	.04	.13	<2	<5	<1	3
L87N 34+50E	2	26	136	919	.3	80	12	2702	3.21	40	<5	<2	5	38	4.5	<2	<2	37	1.23	.294	9	34	1.44	498	.20	7	3.47	.04	.19	<2	<5	<1	6
L87N 35+00E	1	52	72	589	<.3	69	25	1558	4.89	10	<5	<2	11	48	3.4	<2	<2	55	1.14	.186	26	61	2.40	221	.28	7	5.63	.08	.19	<2	5	<1	<1
L87N 35+50E	3	32	39	301	<.3	41	15	2166	4.43	6	<5	<2	10	36	2.0	2	<2	53	.75	.105	35	36	.78	283	.24	7	5.38	.04	.28	<2	5	<1	<1
L87N 36+00E	8	20	72	1394	<.3	30	10	2553	3.78	4	<5	<2	6	37	4.2	<2	<2	39	1.25	.250	13	29	.90	347	.19	8	3.69	.03	.22	<2	<5	<1	<1
L87N 36+50E	2	28	705	4398	.8	51	12	1921	4.80	19	<5	<2	4	30	26.7	6	<2	95	1.23	.177	26	47	1.26	259	.15	6	4.19	.03	.27	<2	5	<1	4
L87N 37+00E	25	15	769	1328	.8	154	3	360	7.84	45	5	<2	2	8	4.9	6	<2	71	.37	.051	7	10	.45	44	.05	4	1.08	.01	.03	<2	<5	<1	1
L87N 37+50E	2	29	183	762	<.3	46	12	1613	3.85	10	<5	<2	7	26	4.3	3	<2	66	.54	.158	21	44	1.24	305	.16	<3	3.79	.03	.20	<2	<5	<1	3
L87N 38+00E	1	21	184	612	.4	23	7	1688	2.99	10	<5	<2	4	29	6.7	2	<2	46	1.09	.224	16	24	.92	266	.17	4	4.33	.04	.13	<2	<5	<1	2
L87N 38+50E	1	23	173	1013	<.3	19	5	2233	2.04	4	<5	<2	3	42	8.5	2	3	40	2.66	.311	12	17	.75	423	.11	8	2.23	.03	.13	<2	<5	<1	2
L87N 39+00E	<1	18	86	366	.4	15	5	1582	1.94	<2	6	<2	4	87	3.3	<2	<2	77	6.15	.500	20	29	4.17	256	.10	6	3.09	.02	.09	<2	<5	<1	1
L87N 39+50E	1	27	119	355	.4	29	7	1327	2.97	10	<5	<2	6	47	3.4	4	<2	108	3.70	.572	30	36	2.97	218	.13	6	4.40	.04	.17	<2	<5	<1	2
L87N 40+00E	1	35	95	339	<.3	57	16	981	4.14	9	<5	<2	11	24	2.0	5	<2	73	.48	.125	28	73	1.52	341	.21	3	4.24	.03	.26	<2	<5	<1	5
L87N 40+50E	1	23	145	388	.4	23	7	2044	2.99	<2	<5	<2	6	44	3.4	<2	<2	70	2.89	.464	23	32	1.86	376	.13	5	3.97	.03	.18	<2	<5	<1	2
L87N 41+00E	1	24	112	357	.3	28	8	1326	3.06	3	<5	<2	5	29	2.9	2	2	72	1.29	.336	21	31	1.15	259	.15	4	4.25	.03	.14	<2	<5	<1	2
L87N 41+50E	1	33	110	332	.4	32	10	457	3.24	5	<5	<2	11	24	2.5	<2	<2	58	.39	.118	25	33	.87	179	.17	<3	4.06	.04	.21	<2	<5	<1	3
RE L87N 41+50E	1	33	103	326	.4	31	11	436	3.18	6	<5	<2	10	23	2.8	<2	3	57	.37	.115	24	33	.85	176	.17	<3	3.97	.04	.20	<2	<5	<1	2
L87N 42+00E	1	19	111	361	<.3	37	10	437	3.42	9	<5	<2	8	22	2.8	<2	2	67	.63	.235	18	33	1.01	224	.19	5	4.84	.04	.16	<2	<5	<1	2
L87N 42+50E	2	28	148	361	<.3	31	10	617	3.36	6	<5	<2	9	19	1.6	3	<2	64	.45	.111	26	36	.93	183	.16	5	3.95	.03	.18	<2	<5	<1	5
L87N 43+00E	2	31	118	367	.3	34	8	556	3.06	4	<5	<2	8	20	2.6	3	<2	68	.42	.238	25	31	1.03	207	.17	<3	4.46	.04	.14	<2	<5	<1	1
L87N 43+50E	1	28	103	407	.3	39	10	929	3.30	4	<5	<2	8	23	2.2	3	<2	85	.63	.272	22	34	1.32	355	.17	5	4.66	.03	.16	<2	<5	<1	1
L87N 44+00E	1	49	141	528	.3	53	12	1159	3.80	4	<5	<2	11	25	5.8	2	<2	105	1.31	.211	33	44	1.92	316	.16	7	4.34	.05	.28	<2	<5	<1	1
L87N 44+50E	3	52	135	800	.7	62	13	1313	3.67	13	<5	<2	7	24	10.0	5	<2	197	.66	.281	22	45	1.02	677	.13	4	3.45	.01	.26	<2	<5	<1	1
L87N 45+00E	2	53	134	757	.3	56	12	692	3.60	13	<5	<2	9	18	3.4	6	<2	156	.49	.181	25	47	1.36	322	.15	4	4.15	.02	.27	<2	<5	1	1
L87N 45+50E	2	35	54	703	<.3	58	10	774	2.92	3	<5	<2	7	24	7.0	3	<2	153	.59	.404	18	43	.73	599	.14	4	3.19	.02	.21	<2	<5	<1	<1
L87N 46+00E	2	48	63	600	<.3	50	9	723	2.88	7	<5	<2	7	20	5.5	3	2	180	.58	.323	22	41	.80	450	.12	<3	2.89	.01	.23	<2	<5	<1	2
L87N 46+50E	2	55	119	661	.4	56	11	621	3.14	9	<5	<2	8	22	5.8	3	<2	181	.70	.270	25	43	.94	419	.12	6	3.11	.02	.27	<2	<5	<1	3
STANDARD C/AU-S	20	58	35	137	6.1	65	31	1104	4.07	42	19	7	36	50	18.6	17	21	61	.52	.092	39	59	.92	186	.09	27	1.93	.06	.15	10	<5	<1	47

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L87N 47+00E	3	43	51	635	.3	41	9	930	2.58	2	<5	<2	6	23	7.6	3	<2	184	.61	.356	19	39	.59	467	.10	<3	2.26	.01	.15	<2	<5	1	3
L87N 47+50E	2	66	121	693	.5	64	12	577	3.72	11	<5	<2	9	19	5.2	<2	2	154	.48	.240	26	49	.98	430	.14	<3	3.87	.02	.24	2	<5	1	3
L87N 48+00E	8	313	57	842	.5	105	22	393	5.23	26	8	<2	11	29	4.7	5	<2	313	.76	.349	28	52	1.13	604	.08	<3	3.01	.01	.19	<2	<5	1	8
L87N 48+50E	3	48	51	922	.3	50	14	1088	2.87	6	<5	<2	5	33	13.7	2	<2	170	.57	.232	13	39	.63	612	.10	5	2.06	.02	.14	<2	<5	<1	7
L87N 49+00E	3	55	150	720	.4	49	12	545	3.49	6	<5	<2	9	20	3.3	<2	<2	157	.54	.229	23	53	1.20	274	.13	<3	3.29	.01	.29	4	<5	<1	10
L87N 49+50E	3	144	63	1303	.6	84	24	1119	4.54	16	<5	<2	7	37	13.3	<2	<2	161	.53	.366	18	47	.68	1303	.09	3	3.23	.02	.19	<2	<5	<1	2
L87N 50+00E	3	96	45	1371	.6	104	14	466	3.80	2	<5	<2	9	36	11.9	<2	<2	185	.50	.253	18	44	.80	440	.13	4	3.60	.02	.18	<2	<5	<1	3
L87N 50+50E	7	130	38	749	.8	61	13	316	3.58	3	6	<2	10	41	4.0	<2	<2	369	.51	.180	18	73	1.70	463	.09	<3	3.77	.01	.18	<2	<5	<1	3
L87N 51+00E	2	42	114	625	<.3	47	11	580	3.06	8	<5	<2	9	24	4.2	<2	<2	129	.61	.265	21	46	.81	420	.11	<3	2.56	.02	.21	<2	<5	1	96
L87N 51+50E	2	49	47	675	.5	48	10	448	2.95	<2	<5	<2	7	22	5.5	<2	<2	163	.53	.280	18	44	.70	458	.12	3	2.86	.01	.16	<2	<5	2	2
RE L87N 51+50E	2	51	44	682	.4	49	10	451	2.97	5	<5	<2	7	23	5.6	<2	<2	165	.53	.284	18	44	.70	473	.12	<3	2.90	.01	.16	<2	<5	1	2
L87N 52+00E	3	137	60	675	.4	74	14	356	3.66	5	<5	<2	7	26	5.4	<2	<2	136	.56	.421	18	38	.59	1010	.13	3	3.44	.02	.15	<2	<5	1	1
L87N 52+50E	3	162	77	691	.7	87	18	524	4.24	<2	<5	<2	7	40	6.6	<2	<2	128	.72	.358	23	61	1.02	733	.16	<3	3.21	.02	.23	<2	<5	<1	2
L87N 53+00E	4	279	40	634	.4	107	23	721	5.45	8	<5	<2	7	28	5.5	<2	<2	166	.48	.474	11	49	.65	603	.15	<3	3.99	.02	.13	<2	<5	1	1
L85N 25+00E	1	26	17	143	.3	33	11	451	2.82	25	<5	<2	6	24	.9	<2	<2	35	.20	.306	12	27	.38	249	.16	<3	3.96	.03	.11	2	<5	1	3
L85N 25+50E	1	18	13	256	.3	33	9	500	2.73	14	<5	<2	5	30	1.1	<2	<2	32	.26	.229	8	22	.27	223	.21	<3	4.98	.04	.09	<2	<5	<1	3
L85N 26+00E	1	41	16	167	.3	88	19	402	3.68	12	<5	<2	7	23	.2	<2	<2	51	.36	.111	17	81	.82	408	.21	3	3.90	.04	.20	<2	<5	1	2
L85N 26+50E	1	42	14	175	<.3	70	18	381	4.29	16	<5	<2	10	21	.8	<2	4	56	.23	.144	18	57	.98	290	.20	<3	4.55	.02	.21	<2	<5	1	2
L85N 27+00E	1	20	8	178	<.3	41	10	602	2.98	5	<5	<2	7	19	.7	<2	<2	34	.23	.277	10	32	.38	278	.17	<3	3.62	.03	.16	<2	<5	<1	1
L85N 27+50E	1	28	16	147	.3	39	11	450	3.32	<2	<5	<2	7	23	.9	<2	<2	44	.26	.174	10	34	.58	283	.21	<3	4.29	.03	.16	<2	<5	<1	<1
L85N 28+00E	1	23	8	146	<.3	37	11	325	2.84	13	<5	<2	6	23	1.1	<2	<2	37	.25	.183	13	34	.44	248	.16	<3	3.46	.03	.15	<2	<5	1	1
L85N 28+50E	1	27	7	197	<.3	43	13	401	3.16	14	<5	<2	6	27	1.1	<2	<2	40	.30	.187	16	48	.57	234	.15	4	3.83	.03	.23	<2	<5	1	1
L85N 29+00E	1	18	32	240	<.3	40	12	631	3.05	7	<5	<2	7	20	.8	<2	<2	37	.29	.143	17	43	.62	433	.16	<3	3.52	.03	.20	<2	<5	1	1
L85N 29+50E	1	29	40	182	<.3	31	11	269	3.15	7	<5	<2	7	21	1.2	<2	<2	45	.29	.127	17	34	.90	624	.19	3	4.42	.03	.15	<2	<5	<1	1
L85N 30+00E	1	19	32	257	<.3	28	11	1956	2.93	9	<5	<2	6	29	1.8	<2	<2	36	.81	.254	15	31	.81	498	.17	4	3.96	.04	.15	<2	<5	<1	1
L85N 36+00E	4	30	80	372	<.3	35	14	1625	3.57	16	<5	<2	5	26	2.2	<2	<2	50	.46	.228	19	36	.66	343	.15	3	3.71	.02	.24	2	<5	<1	2
L85N 44+50E	3	37	110	790	.7	51	10	1188	3.35	38	<5	<2	6	25	9.1	2	<2	93	.58	.294	21	33	.68	352	.12	5	2.98	.02	.23	5	<5	<1	2
L85N 45+00E	4	44	281	1168	.5	61	13	1802	4.07	58	<5	<2	7	33	14.3	2	6	137	.71	.240	21	39	.80	538	.13	3	3.44	.02	.24	5	<5	1	5
L85N 45+50E	3	105	233	1663	.8	100	16	795	3.89	29	<5	<2	8	26	9.5	5	2	176	.67	.331	27	50	1.07	420	.14	<3	3.77	.02	.25	<2	<5	<1	3
L85N 46+00E	5	132	223	1856	1.1	118	20	1489	4.44	31	<5	<2	9	32	17.1	13	<2	212	.74	.255	24	48	.89	655	.09	<3	2.60	.01	.22	6	<5	1	2
L85N 46+50E	4	114	172	1520	1.0	109	18	1637	4.08	31	<5	<2	7	37	13.1	<2	<2	163	.64	.279	23	49	.87	723	.12	<3	3.38	.01	.24	<2	<5	<1	3
L85N 47+00E	2	66	241	1038	.4	60	11	505	3.55	22	<5	<2	9	28	5.1	2	5	161	.76	.253	26	47	.89	338	.12	<3	3.69	.02	.30	2	<5	<1	4
L85N 47+50E	2	37	86	681	<.3	41	9	659	2.78	5	<5	<2	6	21	6.2	<2	<2	126	.48	.349	17	36	.66	378	.14	<3	3.41	.03	.15	<2	<5	<1	1
L85N 48+00E	3	53	196	923	.5	43	10	982	3.05	7	<5	<2	7	31	7.8	<2	2	139	1.30	.264	21	42	1.04	391	.12	<3	3.04	.02	.26	3	<5	1	2
L85N 48+50E	2	28	214	1209	<.3	42	11	1233	3.23	8	<5	<2	7	22	11.1	<2	<2	92	.46	.424	16	40	.71	548	.13	<3	3.30	.02	.19	6	<5	1	1
STANDARD C/AU-S	21	61	35	139	6.4	65	32	1050	4.25	36	16	7	39	53	18.2	18	22	57	.48	.096	41	63	.89	186	.08	29	2.05	.06	.16	9	<5	2	47

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L85N 49+00E	3	37	294	1060	<.3	47	12	1556	3.62	8	<5	<2	7	23	7.8	2	3	153	.91	.229	19	47	1.11	413	.12	3	2.98	.02	.21	8	<5	<1	2
L85N 49+50E	4	107	61	742	.5	72	15	937	3.81	26	<5	<2	9	32	5.2	7	2	239	.87	.363	23	47	.76	1056	.07	3	2.13	.01	.20	3	<5	<1	3
L85N 50+00E	2	44	317	924	.4	51	14	1643	3.83	9	<5	<2	7	23	6.2	<2	3	117	.93	.207	21	49	1.01	494	.11	<3	2.90	.02	.26	10	<5	<1	2
L85N 50+50E	3	121	83	921	1.3	84	20	730	3.77	11	<5	<2	6	24	7.0	<2	3	208	.58	.438	17	50	.72	502	.10	<3	3.53	.02	.19	3	<5	<1	2
L85N 51+00E	4	159	33	2138	.4	178	18	495	4.55	3	<5	<2	8	31	12.5	<2	4	311	.47	.215	13	51	1.23	673	.14	3	4.14	.02	.13	2	<5	1	1
L85N 51+50E	5	199	24	1079	.7	107	19	294	4.61	19	<5	<2	8	31	5.1	2	6	258	.36	.188	18	56	1.49	1033	.10	<3	3.70	.01	.14	<2	<5	<1	1
L85N 52+00E	8	297	20	967	1.6	122	21	688	5.44	7	5	<2	6	48	5.1	<2	<2	113	.55	.289	14	37	.63	1841	.10	3	3.92	.01	.11	<2	<5	<1	1
L85N 52+50E	3	195	41	751	.6	93	18	506	4.73	10	<5	<2	7	48	2.8	<2	<2	95	.88	.636	11	30	.48	1983	.11	4	2.89	.02	.17	2	<5	<1	1
L85N 53+00E	2	140	19	475	.4	98	17	514	3.83	<2	<5	<2	6	39	2.6	<2	<2	91	.68	.209	15	55	.99	602	.15	<3	2.44	.02	.20	3	<5	<1	<1
L85N 53+50E	2	114	30	654	.5	63	13	486	3.37	5	<5	<2	5	35	4.2	<2	4	137	.63	.394	12	33	.59	509	.14	3	3.54	.02	.10	<2	<5	<1	1
L85N 54+00E	1	116	27	600	.3	72	17	1035	2.85	<2	<5	<2	5	48	8.1	<2	<2	58	1.41	.322	22	17	.43	979	.10	<3	2.74	.02	.14	5	<5	<1	<1
L85N 54+50E	1	199	30	1839	.4	76	18	1176	2.51	<2	<5	<2	4	35	7.4	<2	2	53	1.59	.259	21	16	.43	953	.08	<3	1.99	.02	.12	3	<5	<1	<1
L85N 55+00E	1	101	20	749	.5	83	14	304	3.66	<2	<5	<2	5	33	3.8	<2	<2	107	.69	.239	11	24	.77	258	.14	3	3.83	.02	.14	<2	<5	<1	<1
L85N 55+50E	2	154	27	1404	1.0	99	22	1255	3.86	<2	<5	<2	5	36	12.5	<2	<2	125	.78	.350	15	29	.64	504	.11	4	3.31	.01	.18	2	<5	<1	<1
L85N 56+00E	2	99	25	2226	1.8	105	11	843	3.55	3	<5	<2	6	51	19.6	<2	<2	84	.84	.575	18	25	.46	780	.15	<3	4.14	.03	.09	<2	<5	<1	1
L85N 56+50E	7	76	25	1601	1.2	98	17	893	4.05	<2	<5	<2	3	76	9.7	<2	<2	240	.64	.235	13	31	.53	468	.14	<3	3.81	.02	.09	<2	<5	<1	<1
L85N 57+00E	4	73	26	1132	.6	67	12	672	3.23	<2	<5	<2	3	26	5.4	<2	<2	252	.34	.223	12	31	.52	262	.12	<3	2.99	.01	.07	<2	<5	<1	<1
L85N 57+50E	3	66	18	1510	1.4	66	10	248	2.77	<2	<5	<2	6	17	10.4	<2	<2	224	.34	.340	14	33	.49	236	.13	<3	3.30	.02	.08	<2	<5	1	1
L85N 58+00E	2	23	26	685	.4	26	7	820	1.84	<2	<5	<2	4	27	13.6	<2	<2	90	.63	.507	11	17	.20	497	.10	<3	2.10	.02	.08	<2	<5	<1	<1
L85N 58+50E	3	32	24	722	.3	47	7	330	2.28	3	<5	<2	5	24	4.2	<2	<2	111	.61	.461	12	23	.31	258	.12	<3	2.52	.01	.09	2	<5	<1	1
RE L85N 58+50E	3	32	23	726	.3	47	7	329	2.28	<2	<5	<2	5	24	4.7	<2	<2	111	.60	.462	12	22	.31	259	.11	<3	2.49	.01	.09	2	<5	<1	<1
L85N 59+00E	3	57	36	828	.5	44	8	306	2.74	2	<5	<2	6	23	7.6	<2	<2	145	.72	.400	14	28	.36	301	.13	<3	2.82	.02	.08	<2	<5	<1	1
L85N 59+50E	4	45	16	934	.7	45	8	290	2.22	2	<5	<2	5	27	4.3	<2	<2	236	.80	.544	13	33	.44	571	.10	<3	2.37	.01	.07	<2	<5	2	<1
L85N 60+00E	3	98	31	1461	.7	61	10	1285	3.67	<2	<5	<2	5	42	12.2	<2	<2	133	1.32	.643	15	52	.52	578	.11	<3	2.89	.02	.12	5	<5	<1	<1
L85N 60+50E	4	71	43	956	.5	69	9	284	2.60	7	<5	<2	7	20	4.5	2	<2	244	.76	.479	14	36	.55	260	.10	<3	2.42	.01	.10	2	<5	1	1
L85N 61+00E	4	79	68	1033	.3	76	11	764	2.68	<2	<5	<2	3	23	9.9	<2	<2	257	.77	.281	17	35	.57	219	.09	<3	2.33	.01	.11	2	<5	<1	1
L83N 30+00E	1	27	24	156	<.3	34	11	963	2.96	3	<5	<2	6	19	1.2	<2	2	48	.34	.125	18	38	1.18	250	.17	<3	3.53	.02	.15	<2	<5	1	1
L83N 30+50E	1	14	22	135	<.3	19	6	296	2.04	11	<5	<2	6	19	.9	<2	<2	35	.57	.228	13	19	1.69	168	.15	5	3.71	.03	.10	<2	<5	1	<1
L83N 31+00E	2	18	376	3571	.3	23	8	1301	2.24	44	<5	<2	3	23	30.4	<2	<2	46	.60	.370	7	21	1.21	227	.15	<3	2.84	.03	.10	<2	<5	1	3
L83N 31+50E	1	23	64	370	.3	33	9	698	2.80	38	<5	<2	5	22	2.7	<2	3	56	.47	.172	9	25	.43	226	.20	3	4.53	.03	.12	4	<5	<1	1
L83N 32+00E	1	28	64	271	.3	33	11	406	3.00	21	<5	<2	6	23	1.2	<2	<2	58	.56	.133	11	28	.63	234	.21	4	5.18	.03	.13	16	<5	<1	1
L83N 32+50E	8	47	335	994	.5	38	11	770	2.87	49	<5	<2	7	39	7.2	4	3	70	1.98	.109	19	31	1.46	174	.08	<3	1.54	.03	.16	22	<5	<1	8
L83N 33+00E	1	34	61	205	.3	33	13	587	3.31	14	<5	<2	7	18	.9	<2	3	51	.32	.110	19	32	.61	113	.17	<3	4.24	.02	.14	6	<5	<1	4
L83N 33+50E	2	24	22	294	<.3	25	8	802	2.63	<2	<5	<2	5	20	1.4	<2	<2	34	.35	.077	12	22	.39	172	.20	3	4.17	.03	.13	3	<5	<1	<1
L83N 34+00E	2	25	39	243	<.3	32	13	794	3.19	3	<5	<2	4	16	.9	<2	<2	44	.23	.123	12	24	.37	147	.19	<3	4.17	.02	.10	3	<5	1	1
STANDARD C/AU-S	20	60	36	137	6.2	67	32	1060	4.26	42	17	7	38	51	17.7	17	22	61	.52	.097	40	60	.96	180	.08	26	1.94	.06	.15	10	<5	3	52

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L83N 34+50E	1	53	135	1301	.3	46	10	1413	2.77	10	<5	<2	3	32	10.3	<2	<2	34	1.16	.101	31	32	.65	177	.16	<3	4.07	.03	.09	<2	<5	<1	2
L83N 35+00E	3	33	41	273	.5	32	16	1458	3.79	9	<5	<2	<2	14	1.4	<2	<2	61	.27	.265	9	29	.45	193	.16	<3	2.93	.01	.12	<2	<5	<1	2
L83N 35+50E	3	20	235	1892	.4	45	12	794	3.42	10	8	<2	5	17	7.0	<2	<2	72	.42	.137	14	38	.64	189	.18	<3	3.97	.02	.13	<2	<5	<1	2
L83N 36+00E	1	24	63	176	<.3	15	6	559	2.47	6	22	<2	6	16	<.2	<2	<2	37	.17	.098	13	12	.26	138	.21	<3	5.21	.02	.10	<2	<5	<1	<1
L83N 36+50E	3	34	2581	3115	.5	28	7	784	2.68	76	6	<2	4	31	16.0	<2	<2	63	1.48	.207	10	35	1.02	499	.10	3	2.36	.02	.10	28	<5	1	7
L83N 37+00E	1	17	314	612	.3	16	7	2122	2.80	19	<5	2	5	19	1.5	<2	<2	44	.42	.172	9	30	.36	347	.14	3	3.24	.01	.10	<2	<5	<1	1
L83N 37+50E	2	22	17267	13679	5.1	28	8	1294	7.06	85	10	<2	4	42	60.5	10	2	136	1.60	.347	17	39	1.28	112	.15	4	4.02	.03	.09	11	<5	<1	23
L83N 38+00E	3	25	1199	2100	.6	37	9	736	3.50	12	8	<2	4	27	11.9	<2	<2	70	1.24	.174	17	38	1.68	220	.15	3	3.76	.03	.14	<2	<5	<1	4
L83N 38+50E	<1	14	8020	8035	.3	24	7	886	2.71	33	5	<2	3	30	49.1	7	<2	46	2.40	.158	10	39	2.25	277	.13	<3	3.03	.02	.12	2	<5	<1	3
L83N 39+00E	2	15	1895	2652	.8	31	7	515	4.86	32	9	<2	4	18	7.2	3	<2	71	.41	.230	9	41	.57	349	.16	<3	3.21	.02	.13	<2	<5	1	2
RE L83N 39+00E	2	15	1792	2572	.8	30	7	505	4.80	26	6	<2	5	17	6.4	2	<2	70	.38	.228	8	41	.55	348	.16	<3	3.16	.03	.14	<2	<5	<1	1
L83N 39+50E	1	21	728	1072	.5	31	8	1261	3.29	13	6	<2	4	32	7.1	3	<2	54	1.18	.279	15	38	.78	316	.14	3	3.58	.03	.15	3	<5	<1	2
L83N 40+00E	1	18	284	513	.4	24	7	1131	2.68	12	5	<2	3	35	4.2	3	<2	42	1.66	.390	16	31	.70	302	.12	4	3.54	.02	.09	<2	<5	<1	1
L83N 40+50E	<1	20	135	473	.4	49	8	1331	2.91	10	8	<2	4	29	3.9	4	<2	119	1.49	.437	19	45	1.67	337	.14	<3	3.90	.02	.14	<2	<5	<1	<1
L83N 41+00E	<1	16	132	418	.3	38	7	1604	2.27	6	<5	<2	4	27	4.0	5	<2	85	1.58	.491	21	41	2.25	338	.12	4	3.47	.02	.10	<2	<5	<1	<1
L83N 41+50E	<1	16	160	665	<.3	36	8	812	2.51	5	7	<2	4	25	5.5	<2	3	55	.64	.568	14	34	.85	393	.16	<3	4.30	.03	.10	<2	<5	<1	<1
L83N 42+00E	2	31	168	547	.3	44	10	563	3.28	7	11	<2	6	20	2.8	4	<2	85	.81	.199	20	42	1.58	252	.15	<3	3.88	.02	.15	<2	<5	<1	1
L83N 42+50E	3	32	87	892	1.7	57	9	1362	2.93	22	8	<2	5	20	8.6	2	<2	83	.37	.379	14	43	.61	604	.15	<3	3.76	.02	.13	2	<5	<1	<1
L83N 43+00E	3	49	180	991	1.0	67	12	713	3.45	19	11	<2	6	14	4.5	2	<2	141	.33	.206	18	49	.81	370	.12	<3	3.46	.01	.17	<2	<5	<1	3
L83N 43+50E	<1	41	143	1108	.7	73	12	1278	3.56	19	8	<2	6	20	6.3	3	14	136	.62	.430	16	51	1.09	592	.13	4	3.67	.01	.15	16	<5	<1	8
L83N 44+00E	1	19	216	1138	.3	37	8	743	2.68	14	8	<2	5	15	7.3	<2	2	96	.36	.434	11	36	.50	377	.13	<3	2.90	.02	.12	<2	<5	<1	2
L83N 44+50E	<1	27	137	822	.6	43	8	382	2.64	11	10	<2	8	15	4.5	<2	<2	99	.39	.345	15	39	.47	416	.12	<3	2.73	.02	.12	<2	<5	<1	2
L83N 45+00E	1	36	120	750	.5	51	10	935	2.98	7	10	<2	4	18	6.1	2	<2	160	.55	.306	15	52	.70	505	.12	<3	3.06	.01	.19	<2	<5	1	1
L83N 45+50E	2	45	118	881	.8	54	12	887	2.93	8	10	<2	4	31	7.8	<2	<2	161	.70	.244	12	60	.80	578	.12	<3	2.89	.01	.18	3	<5	<1	14
L83N 46+00E	5	109	74	846	.7	84	17	782	3.71	6	15	<2	5	19	3.3	<2	2	195	.37	.231	11	51	.85	335	.15	<3	3.78	.01	.10	2	<5	<1	1
STANDARD C/AU-S	20	60	36	128	6.5	68	32	1125	4.05	44	17	7	33	48	17.5	18	19	58	.50	.096	36	63	.93	183	.08	27	1.93	.05	.14	12	<5	1	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 95-4463 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L103N 25+00E	2	23	13	176	.3	50	16	548	2.98	10	<5	<2	14	29	.3	<2	2	36	.23	.373	22	31	.44	246	.16	<3	4.14	.02	.13	<2	<5	<1	102
L103N 25+50E	3	37	11	120	<.3	75	27	788	4.04	14	<5	<2	13	14	<.2	<2	4	52	.10	.070	17	86	.97	111	.18	<3	3.18	.01	.27	<2	<5	<1	4
L103N 26+00E	2	20	12	119	.5	46	13	1092	3.14	28	<5	<2	13	18	.9	2	2	40	.17	.111	17	45	.59	203	.13	<3	2.55	.01	.14	<2	<5	<1	68
L103N 26+50E	3	23	19	110	.4	48	17	1652	3.32	5	<5	<2	13	30	.4	<2	2	44	.22	.072	24	49	.61	330	.15	3	3.34	.02	.15	<2	<5	<1	3
L103N 27+00E	2	26	18	155	<.3	60	17	1666	3.76	9	<5	<2	9	26	1.1	<2	2	55	.28	.157	14	79	.94	250	.17	4	3.10	.01	.30	2	<5	<1	8
L103N 27+50E	2	24	22	129	.3	49	16	1135	3.57	6	<5	<2	11	16	<.2	5	<2	43	.11	.089	18	60	.69	202	.14	3	2.85	.01	.18	<2	<5	<1	1
L103N 28+00E	1	24	14	106	.3	36	13	931	3.21	9	<5	<2	13	18	<.2	<2	3	42	.13	.079	17	44	.54	348	.14	<3	3.33	.01	.13	<2	<5	<1	1
L103N 28+50E	2	20	16	145	.4	34	13	1665	2.85	11	<5	<2	9	17	<.2	4	2	37	.14	.162	15	38	.43	293	.12	<3	2.56	.02	.11	<2	<5	<1	7
L103N 29+00E	2	23	18	181	.5	46	13	1095	3.20	9	<5	<2	9	23	<.2	2	2	39	.22	.234	12	44	.54	275	.15	<3	3.89	.02	.12	<2	<5	<1	1
RE L103N 29+00E	2	24	18	187	.4	51	14	1132	3.33	12	<5	<2	8	24	<.2	<2	<2	40	.23	.245	11	48	.56	284	.15	<3	4.06	.02	.12	<2	<5	<1	2
L103N 29+50E	2	26	22	190	.3	33	13	919	3.59	11	<5	<2	10	13	.5	5	<2	47	.12	.211	12	35	.49	236	.14	3	3.06	.02	.10	<2	<5	<1	<1
L101N 25+00E	2	25	19	97	<.3	44	16	2003	3.37	14	<5	<2	10	36	<.2	2	<2	43	.25	.111	17	51	.68	268	.13	<3	2.95	.01	.19	<2	<5	<1	3
L101N 25+50E	2	21	22	135	<.3	43	14	2226	3.46	11	<5	<2	11	43	.3	2	3	41	.29	.129	17	44	.60	341	.13	<3	2.66	.01	.18	<2	<5	<1	3
L101N 26+00E	2	19	24	154	<.3	44	16	2302	3.76	5	<5	<2	8	27	.5	4	<2	49	.22	.101	15	68	.91	273	.14	<3	2.57	.01	.28	<2	<5	<1	2
L101N 26+50E	3	50	11	126	<.3	70	26	635	4.66	<2	<5	<2	16	21	.5	3	<2	56	.14	.099	16	57	.87	141	.20	<3	3.72	.02	.21	<2	<5	<1	19
L101N 27+00E	2	36	17	106	<.3	64	14	295	3.69	8	<5	<2	15	13	.3	<2	<2	51	.09	.081	21	63	.82	108	.16	3	3.57	.01	.15	<2	<5	<1	3
L101N 27+50E	2	25	15	184	<.3	66	15	1182	3.22	10	<5	<2	12	16	.4	<2	3	39	.14	.126	15	43	.51	220	.16	3	3.99	.02	.12	<2	<5	<1	1
L101N 28+00E	2	27	18	111	<.3	47	12	599	3.08	9	<5	<2	13	23	<.2	<2	<2	39	.25	.092	18	35	.48	153	.17	3	4.41	.02	.11	<2	<5	<1	8
L101N 28+50E	2	35	15	134	.3	36	14	1073	3.18	<2	<5	<2	7	42	.7	2	<2	42	.32	.124	12	25	.36	318	.18	3	4.35	.03	.09	<2	<5	<1	1
L101N 29+00E	2	26	17	204	<.3	30	11	1221	2.83	6	<5	<2	10	18	.3	<2	<2	37	.20	.184	12	20	.32	229	.18	3	5.02	.03	.08	<2	<5	<1	<1
L101N 29+50E	2	25	14	116	.3	32	13	507	3.10	7	<5	<2	7	26	.4	<2	<2	43	.34	.106	14	38	.61	96	.13	<3	2.99	.03	.10	2	<5	<1	2
L99N 25+00E	2	32	16	177	<.3	86	28	1500	4.63	7	<5	<2	5	48	1.2	2	<2	66	.39	.115	8	110	1.28	380	.26	<3	3.61	.02	.25	<2	<5	1	16
L99N 25+50E	2	27	23	131	<.3	43	13	1171	3.47	13	<5	<2	8	25	1.1	2	<2	42	.15	.120	15	43	.61	316	.16	3	3.25	.02	.20	<2	<5	<1	3
L99N 26+00E	1	20	9	132	<.3	39	11	1204	3.05	7	<5	<2	8	29	.9	2	<2	39	.25	.180	11	36	.49	349	.17	3	3.68	.02	.13	<2	<5	<1	2
L99N 26+50E	2	22	13	109	.3	89	17	653	3.50	7	<5	<2	11	28	.2	<2	4	45	.22	.061	15	72	.81	322	.17	3	3.92	.02	.14	<2	<5	<1	1
L99N 27+00E	3	42	14	165	.3	98	16	1551	3.96	80	<5	<2	16	31	.6	<2	2	43	.27	.113	32	54	.61	159	.17	<3	4.78	.03	.17	<2	5	<1	2
L99N 27+50E	2	25	17	130	.4	43	14	778	3.36	9	<5	<2	11	19	.4	2	3	42	.15	.101	15	43	.53	226	.15	<3	3.66	.02	.11	<2	<5	<1	4
L99N 28+00E	2	21	21	165	.3	34	13	581	3.23	12	<5	<2	9	27	.7	<2	<2	41	.34	.145	12	34	.46	157	.12	<3	3.36	.02	.09	<2	<5	<1	<1
L99N 28+50E	3	40	13	129	.3	61	24	651	3.80	<2	<5	<2	10	24	.3	4	2	52	.29	.072	17	44	.65	161	.12	<3	3.36	.02	.11	<2	<5	<1	1
L99N 29+00E	2	28	19	132	<.3	47	15	946	3.66	<2	<5	<2	12	19	.6	4	<2	49	.19	.051	17	43	.62	275	.15	<3	3.33	.01	.12	3	<5	1	1
L99N 29+50E	2	36	13	221	.3	38	16	2151	3.16	7	<5	<2	9	22	1.2	3	<2	36	.22	.113	8	17	.27	232	.17	3	3.91	.03	.06	3	<5	<1	1
L97N 25+00E	2	39	19	130	.5	104	24	2764	4.09	14	<5	<2	11	53	1.1	5	3	46	.36	.108	16	85	.95	394	.16	3	3.60	.02	.19	3	6	<1	13
L97N 25+50E	2	21	19	92	<.3	35	11	595	2.92	9	<5	<2	12	25	.4	2	<2	35	.17	.116	14	29	.44	206	.16	<3	4.13	.02	.11	<2	<5	1	1
L97N 26+00E	2	22	10	214	<.3	88	17	1079	3.65	13	<5	<2	8	28	.8	2	<2	43	.30	.130	10	57	.70	228	.18	3	3.81	.02	.15	<2	5	1	5
L97N 26+50E	2	39	21	148	<.3	108	16	1432	4.13	17	<5	<2	12	40	1.2	<2	3	48	.42	.063	35	54	.66	189	.18	<3	4.68	.03	.16	<2	<5	<1	1
STANDARD C/AU-S	22	60	39	137	6.6	68	32	1040	4.14	42	18	7	42	54	18.9	21	21	60	.50	.094	41	62	.95	192	.08	26	1.89	.06	.15	10	<5	1	47

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

DATE RECEIVED: NOV 3 1995 **DATE REPORT MAILED:** Nov 10/95 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L97N 27+00E	2	24	22	96	.6	40	13	306	3.44	13	<5	<2	8	45	<.2	<2	<2	54	.95	.029	16	52	.72	70	.14	3	3.36	.04	.08	<2	<5	<1	2
L97N 27+50E	2	17	26	220	.6	30	16	1179	2.58	11	<5	<2	6	29	.2	<2	<2	46	.36	.061	6	21	.38	164	.18	3	3.00	.03	.07	<2	<5	<1	1
L97N 28+00E	2	45	32	303	.6	98	21	1550	3.97	33	<5	<2	10	45	<.2	<2	3	56	.75	.047	23	46	.66	150	.16	3	3.38	.05	.11	2	<5	<1	1
L97N 28+50E	3	20	23	256	.5	40	13	323	3.07	15	<5	<2	11	24	<.2	<2	3	48	.27	.092	13	30	.45	225	.18	5	4.15	.02	.12	<2	<5	<1	2
L97N 29+00E	4	60	67	227	.5	64	26	5303	3.83	16	<5	<2	16	52	1.0	<2	16	59	.55	.149	17	32	.59	442	.13	5	3.45	.02	.18	47	<5	<1	6
L97N 29+50E	2	31	35	207	.3	39	15	3735	3.45	11	<5	<2	14	27	.5	<2	8	51	.26	.086	15	29	.58	244	.18	3	3.84	.02	.09	11	<5	<1	5
L87N 53+50E	3	103	27	822	.7	79	15	508	2.75	6	<5	<2	7	33	5.2	<2	<2	209	.72	.255	14	26	.53	545	.08	3	2.31	.01	.08	6	<5	<1	1
L87N 54+00E	1	21	34	428	.7	26	5	634	1.27	4	7	<2	6	47	4.5	2	<2	34	1.09	.088	14	9	.31	218	.06	5	1.41	.02	.07	9	<5	<1	3
L87N 54+50E	2	45	25	655	.4	48	10	854	2.38	7	<5	<2	4	36	5.4	<2	<2	60	.68	.288	8	15	.28	346	.09	4	2.13	.01	.09	<2	<5	<1	1
RE L87N 54+50E	2	45	25	653	.4	50	10	866	2.38	9	<5	<2	5	36	5.4	<2	<2	60	.69	.289	7	15	.28	348	.08	4	2.13	.01	.09	<2	<5	<1	1
L87N 55+00E	4	94	29	957	1.0	42	14	1389	2.91	7	8	<2	5	49	10.7	<2	<2	53	1.29	.257	13	14	.34	273	.06	4	1.82	.01	.07	<2	<5	<1	<1
L87N 55+50E	3	257	32	3025	.3	182	11	493	2.96	7	<5	<2	7	31	11.4	<2	<2	166	.77	.134	29	35	.89	286	.09	4	3.21	.01	.12	2	<5	<1	1
L87N 56+00E	2	41	27	902	.8	33	8	571	1.86	2	<5	<2	11	37	9.0	<2	2	55	1.24	.120	28	12	.30	917	.06	6	1.43	.01	.08	6	<5	<1	2
L87N 56+50E	5	258	80	2285	1.3	169	24	720	2.91	6	6	<2	6	55	31.2	<2	<2	337	.81	.178	33	46	.62	607	.09	3	3.04	.01	.10	<2	<5	<1	3
L87N 57+00E	4	57	42	989	1.2	58	9	557	2.36	6	<5	<2	6	19	6.0	<2	<2	220	.47	.310	11	29	.45	479	.09	3	2.29	.01	.08	<2	<5	<1	<1
L87N 57+50E	4	51	34	1010	1.2	59	10	491	2.67	6	<5	<2	5	20	6.9	<2	<2	221	.41	.368	10	30	.41	350	.10	3	2.76	.01	.07	<2	<5	<1	1
L87N 58+00E	3	30	40	763	.9	39	7	623	2.04	5	<5	<2	6	23	7.1	<2	<2	148	.47	.344	10	22	.35	395	.10	3	2.11	.01	.08	<2	<5	<1	<1
L87N 58+50E	3	27	24	729	.9	37	7	549	1.97	4	<5	<2	7	20	7.6	<2	<2	122	.50	.380	11	20	.32	387	.10	3	2.17	.01	.07	<2	<5	<1	<1
L87N 59+00E	2	22	28	710	.7	34	7	529	2.06	7	<5	<2	8	20	7.5	<2	<2	97	.42	.502	9	19	.30	373	.11	3	2.49	.02	.08	<2	<5	<1	1
L87N 59+50E	3	31	24	751	1.3	39	8	583	2.27	5	<5	<2	6	22	8.0	<2	<2	135	.52	.408	10	26	.40	373	.11	3	2.59	.02	.08	2	<5	<1	<1
L87N 60+00E	3	55	35	989	.3	53	9	712	2.68	7	<5	<2	9	22	11.5	<2	2	189	.63	.473	12	41	.65	373	.12	4	2.93	.01	.13	<2	<5	<1	1
L87N 60+50E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L87N 61+00E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L51N 33+00E	6	133	25	2039	2.1	161	14	640	2.73	13	<5	<2	8	42	21.2	<2	<2	164	.43	.298	11	23	1.10	483	.13	3	3.12	.02	.12	<2	<5	<1	1
L51N 33+50E	6	74	23	5559	1.6	432	14	397	3.33	16	10	<2	8	51	45.2	<2	3	266	.58	.495	11	41	1.45	625	.12	3	3.31	.02	.16	<2	<5	<1	1
L51N 34+00E	4	52	31	2089	.9	61	13	1334	3.32	5	<5	<2	8	73	23.6	<2	2	339	.79	.412	10	58	1.84	909	.12	4	3.25	.03	.19	<2	<5	<1	1
L51N 34+50E	6	133	18	2823	1.9	273	35	419	3.43	9	17	<2	9	40	22.4	<2	3	246	.56	.158	14	36	1.68	177	.15	3	4.34	.02	.15	<2	<5	<1	20
L51N 35+00E	3	22	12	1505	<.3	66	9	404	2.11	4	<5	<2	4	39	15.9	<2	<2	195	.46	.459	7	30	1.30	493	.14	4	3.27	.02	.14	<2	<5	1	1
L51N 35+50E	4	24	11	1980	.3	99	12	694	2.08	3	<5	<2	5	37	16.8	<2	<2	319	.46	.293	6	39	1.95	612	.13	4	3.28	.02	.13	<2	<5	1	1
L51N 36+00E	10	45	15	2011	.6	135	13	206	2.30	6	<5	<2	8	23	8.4	<2	3	336	.30	.132	10	39	1.90	185	.16	<3	3.46	.02	.20	<2	<5	<1	<1
L51N 36+50E	5	25	30	1749	<.3	84	15	772	2.20	5	<5	<2	5	34	7.1	<2	2	229	.40	.273	8	33	1.56	440	.13	<3	3.23	.02	.17	<2	<5	<1	2
L51N 37+00E	4	19	15	1309	<.3	56	9	957	2.04	5	<5	<2	3	76	11.7	<2	2	140	.72	.163	7	25	.56	557	.13	5	2.62	.03	.13	<2	<5	<1	1
L51N 37+50E	21	43	25	1110	.8	90	13	499	3.79	7	<5	<2	9	32	5.0	<2	5	333	.30	.147	13	38	.98	292	.16	3	3.41	.01	.15	<2	<5	<1	<1
L51N 38+00E	4	17	21	559	.3	46	8	494	1.97	4	<5	<2	6	38	6.8	<2	<2	102	.32	.161	10	18	.41	435	.14	3	2.96	.02	.11	<2	<5	<1	<1
L51N 38+50E	5	22	15	781	.3	44	9	913	2.24	6	<5	<2	6	37	7.0	<2	<2	169	.34	.128	9	29	.56	396	.14	4	2.61	.02	.11	<2	<5	<1	<1
STANDARD C/AU-S	20	54	38	125	6.4	66	31	978	3.75	41	17	6	40	47	17.1	19	20	64	.47	.086	37	58	.87	173	.07	27	1.71	.05	.13	11	<5	1	46

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L51N 39+00E	6	22	14	1431	.5	55	7	257	1.98	3	<5	<2	7	15	7.9	<2	<2	203	.17	.157	9	34	.60	243	.12	3	2.71	.02	.10	<2	<5	<1	3
L51N 39+50E	8	39	27	1498	<.3	76	17	1076	3.23	5	<5	<2	8	25	8.3	<2	3	218	.28	.129	11	42	.86	327	.14	3	3.39	.01	.12	<2	<5	<1	1
L51N 40+00E	8	42	14	1280	<.3	108	13	489	3.32	2	<5	<2	10	26	5.0	<2	2	197	.29	.060	13	57	1.00	326	.16	3	3.95	.02	.17	<2	<5	<1	<1
L51N 40+50E	11	41	20	552	.3	93	19	663	4.29	5	<5	<2	9	33	2.1	<2	<2	152	.36	.124	11	38	.73	230	.14	4	4.47	.02	.14	<2	<5	1	<1
L51N 41+00E	7	36	21	1443	.3	115	10	390	2.70	8	<5	<2	9	20	3.8	<2	2	212	.26	.179	12	39	.78	203	.13	4	3.34	.01	.12	<2	<5	<1	<1
L51N 41+50E	3	24	23	1624	.6	111	10	1692	2.60	8	<5	<2	9	27	8.0	<2	4	114	.27	.339	15	23	.50	664	.11	3	2.74	.02	.11	6	<5	<1	1
L51N 42+00E	6	38	17	1070	.8	87	12	672	3.16	17	<5	<2	10	22	4.4	<2	6	163	.23	.205	15	30	.57	359	.14	4	3.29	.02	.09	31	<5	1	1
L51N 42+50E	5	28	21	1249	<.3	65	10	1087	2.77	20	<5	<2	9	30	7.8	<2	5	132	.29	.270	15	33	.58	676	.13	4	3.01	.02	.13	3	<5	1	<1
L51N 43+00E	6	32	19	1291	.4	70	10	1579	2.47	6	<5	<2	8	30	17.5	<2	3	182	.37	.223	12	36	.60	449	.10	3	2.19	.01	.14	6	<5	<1	1
L51N 43+50E	4	24	13	973	.3	62	9	1042	2.32	6	<5	<2	5	40	12.0	<2	<2	103	.48	.249	11	28	.56	409	.09	3	2.45	.01	.13	<2	<5	<1	<1
L51N 44+00E	6	42	16	1112	.4	79	10	488	2.76	8	<5	<2	10	28	11.6	<2	4	142	.31	.240	15	33	.61	250	.14	4	3.58	.02	.16	2	<5	<1	1
L51N 44+50E	5	32	15	1441	<.3	91	10	571	2.84	8	<5	<2	9	27	9.0	<2	3	166	.37	.227	14	39	.67	310	.11	4	3.35	.01	.16	2	<5	<1	1
L51N 45+00E	4	27	22	1021	.4	60	10	868	2.48	12	<5	<2	6	51	12.2	<2	2	127	.64	.328	11	31	.53	436	.09	5	2.66	.02	.15	<2	<5	<1	1
L49N 33+00E	6	68	27	5193	2.9	312	12	310	3.09	3	5	<2	9	34	31.8	<2	3	258	.45	.195	7	44	1.81	355	.12	4	3.50	.02	.16	<2	<5	1	<1
L49N 33+50E	4	45	19	1213	.5	64	8	158	1.92	6	<5	<2	6	17	8.8	<2	<2	298	.27	.194	4	31	2.02	230	.12	3	3.07	.02	.14	<2	<5	1	<1
L49N 34+00E	3	13	19	1390	.5	52	8	590	1.74	4	<5	<2	5	32	10.8	<2	<2	173	.36	.276	6	26	1.24	534	.11	4	2.26	.02	.13	<2	<5	1	<1
L49N 34+50E	8	49	32	1649	.3	137	12	519	2.51	12	<5	<2	7	31	12.5	<2	<2	261	.43	.154	5	39	2.20	303	.14	4	3.34	.02	.17	<2	<5	<1	<1
L49N 35+00E	5	35	15	1070	.7	98	10	399	2.11	5	<5	<2	8	33	8.5	<2	<2	201	.50	.185	7	32	2.03	233	.14	4	3.88	.02	.12	<2	<5	<1	<1
L49N 35+50E	14	47	27	1479	1.0	185	17	1018	3.36	11	<5	<2	11	65	7.9	<2	2	161	.72	.206	8	29	1.05	238	.13	5	3.66	.02	.14	<2	<5	1	1
L49N 36+00E	10	23	36	1939	<.3	116	11	594	3.22	3	<5	<2	7	57	11.6	<2	<2	100	.58	.125	8	22	.56	329	.16	5	3.76	.02	.12	<2	<5	1	1
L49N 36+50E	19	105	16	1778	.5	173	19	321	4.08	4	<5	<2	17	32	3.5	<2	2	106	.34	.137	18	26	1.49	90	.19	3	6.43	.02	.09	<2	<5	2	1
L49N 37+00E	14	95	36	2148	1.7	163	17	661	4.25	9	<5	<2	11	40	20.5	<2	2	256	.64	.218	16	48	.67	211	.15	4	3.88	.02	.17	<2	<5	1	1
RE L49N 37+00E	13	94	40	2142	1.3	164	17	659	4.22	10	<5	<2	10	41	19.7	<2	3	255	.64	.218	16	50	.66	212	.15	4	3.88	.02	.17	<2	<5	1	1
L49N 37+50E	5	45	22	3381	.4	109	10	1630	2.45	7	<5	<2	9	38	80.3	<2	2	89	.57	.317	9	27	.55	381	.13	4	2.66	.03	.13	<2	<5	<1	1
L49N 38+00E	6	34	16	1831	<.3	74	13	1296	2.98	6	<5	<2	7	56	16.7	2	<2	128	.65	.192	9	25	.43	397	.15	6	4.01	.02	.12	<2	<5	1	1
L49N 38+50E	15	76	19	694	.4	147	19	524	4.45	2	5	<2	11	38	2.6	<2	4	188	.37	.098	13	37	.85	128	.12	4	4.62	.01	.14	<2	<5	1	1
L49N 39+00E	11	43	30	423	.5	79	14	1066	4.52	5	<5	<2	11	50	2.9	<2	3	97	.46	.154	13	28	.52	310	.14	<3	3.71	.02	.13	<2	<5	<1	3
L49N 39+50E	7	50	22	930	.5	116	14	619	2.94	9	<5	<2	11	27	4.9	<2	4	170	.28	.093	17	34	.71	263	.13	3	3.29	.01	.17	<2	<5	<1	25
L49N 40+00E	8	83	13	1136	<.3	141	18	513	3.65	<2	<5	<2	11	70	11.3	<2	3	406	.45	.167	22	163	1.34	518	.19	3	3.44	.03	.35	<2	<5	1	1
L49N 40+50E	4	32	41	2559	<.3	160	12	2238	2.47	4	<5	<2	11	82	17.5	<2	3	167	.86	.436	16	35	.65	1120	.10	6	2.66	.02	.19	2	<5	<1	1
L49N 41+00E	5	36	17	2116	.4	179	10	386	2.55	2	<5	<2	9	39	6.7	3	2	165	.52	.279	17	41	.94	506	.12	3	2.89	.02	.22	<2	<5	1	<1
L49N 41+50E	8	70	23	644	.3	93	15	984	3.61	7	<5	<2	11	24	5.1	<2	3	198	.16	.196	18	39	.89	321	.14	<3	3.59	.01	.14	<2	<5	<1	3
L49N 42+00E	11	84	46	1001	<.3	144	26	1090	3.30	10	<5	<2	12	28	8.3	2	5	269	.23	.139	19	48	.92	388	.13	3	3.48	.01	.18	<2	<5	1	1
L49N 42+50E	5	49	33	1172	.6	105	16	896	2.39	6	<5	<2	7	90	18.8	3	<2	154	.90	.294	14	31	.60	674	.10	6	2.66	.02	.16	<2	<5	1	1
L49N 43+00E	8	57	14	1092	.7	118	14	415	2.70	10	<5	<2	9	30	7.1	2	5	202	.35	.304	17	38	.70	306	.10	3	2.69	.01	.21	2	<5	<1	1
STANDARD C/AU-S	22	58	37	127	6.5	63	32	995	3.80	44	15	8	45	50	18.8	20	21	61	.47	.088	37	58	.86	180	.08	27	1.73	.06	.13	10	<5	1	53

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L49N 43+50E	8	51	24	863	.8	97	10	675	2.58	9	<5	<2	13	28	5.6	<2	4	273	.31	.098	21	48	.90	244	.11	<3	2.63	.01	.20	2	<5	<1	2
L49N 44+00E	5	41	10	430	.7	54	11	389	2.34	13	<5	<2	12	39	2.8	2	4	126	.50	.184	19	41	.87	286	.09	5	2.17	.02	.32	2	<5	<1	1
RE L49N 44+00E	5	42	13	442	.8	56	11	400	2.41	14	<5	<2	12	40	3.0	<2	2	129	.51	.188	20	43	.89	293	.09	3	2.23	.02	.32	3	<5	<1	1
L49N 44+50E	4	49	18	663	1.0	74	12	474	2.61	11	<5	<2	8	42	6.0	3	<2	128	.60	.219	16	39	.80	281	.09	6	3.09	.01	.22	4	<5	<1	1
L49N 45+00E	3	47	14	512	1.0	49	13	581	2.90	5	<5	<2	14	53	9.4	<2	2	81	.61	.244	18	40	1.20	441	.13	5	3.58	.03	.27	<2	<5	<1	3
L47N 33+00E	7	41	21	1631	.6	202	15	741	2.60	9	<5	<2	14	36	12.1	6	3	153	.42	.176	12	31	1.77	559	.11	4	3.08	.02	.17	<2	<5	<1	26
L47N 33+50E	9	49	35	872	1.5	117	11	266	2.79	13	<5	<2	16	34	3.4	<2	4	133	.36	.163	24	29	.88	335	.13	3	3.37	.02	.13	<2	<5	<1	1
L47N 34+00E	6	28	27	1219	1.1	145	12	806	2.27	9	<5	<2	9	65	6.9	6	3	71	.68	.154	10	20	.62	568	.10	3	2.40	.02	.13	<2	<5	<1	<1
L47N 34+50E	5	46	22	943	1.4	202	9	239	2.26	5	<5	<2	11	30	3.2	2	2	121	.33	.157	13	24	1.30	236	.15	4	3.73	.03	.13	<2	<5	<1	<1
L47N 35+00E	24	66	62	1448	1.1	172	15	435	4.47	14	<5	<2	15	69	6.7	3	3	109	.55	.171	22	29	1.08	324	.13	<3	2.59	.01	.21	<2	<5	<1	1
L47N 35+50E	12	58	32	1496	1.5	114	11	364	3.59	14	<5	<2	17	47	8.7	2	5	89	.34	.088	25	23	.46	325	.17	4	3.23	.02	.15	<2	<5	<1	<1
L47N 36+00E	13	70	45	1823	1.1	166	16	751	4.19	15	<5	<2	15	49	10.9	<2	3	110	.45	.150	17	31	.61	265	.17	4	3.55	.02	.13	<2	<5	<1	<1
L47N 36+50E	6	28	22	579	.9	106	13	476	3.26	8	<5	<2	12	32	6.6	3	<2	83	.40	.070	8	33	.71	175	.16	4	4.41	.03	.11	<2	<5	<1	<1
L47N 37+00E	10	53	42	1781	1.4	96	14	1111	3.99	8	<5	<2	15	67	22.6	3	5	112	.66	.137	11	26	.42	316	.15	5	4.24	.02	.12	<2	<5	<1	<1
L47N 37+50E	3	47	17	733	1.2	83	15	795	3.95	<2	<5	<2	13	104	9.2	<2	5	69	1.38	.083	12	26	.44	477	.12	5	4.49	.03	.11	<2	<5	<1	<1
L47N 38+00E	5	33	24	1943	.7	152	13	586	3.09	5	<5	<2	10	34	17.6	4	3	119	.61	.080	13	32	.66	189	.15	7	3.62	.03	.17	<2	<5	<1	<1
L47N 38+50E	13	79	32	1283	.4	179	17	471	3.89	5	<5	<2	16	33	7.4	<2	5	179	.37	.069	17	41	1.08	228	.15	4	4.25	.02	.21	<2	<5	<1	1
L47N 39+00E	7	38	14	717	.4	119	11	670	2.39	2	<5	<2	7	22	12.7	<2	<2	140	.61	.077	11	46	1.99	219	.10	5	3.07	.02	.20	<2	<5	<1	1
L47N 39+50E	17	55	17	502	<.3	157	11	740	2.70	5	<5	<2	8	38	4.1	<2	3	259	1.10	.118	14	72	2.40	204	.11	5	3.48	.01	.30	<2	<5	<1	<1
L47N 40+00E	5	75	17	2158	.4	197	13	934	3.05	2	<5	<2	10	43	10.9	3	3	572	.71	.295	28	76	1.37	778	.08	4	2.78	.01	.23	<2	<5	<1	<1
L47N 40+50E	4	50	62	1500	.8	89	13	1709	2.48	4	<5	<2	7	114	21.7	2	<2	184	1.51	.392	13	43	.74	1610	.08	7	2.82	.02	.19	<2	<5	<1	1
L47N 41+00E	6	42	23	1100	1.2	66	12	1655	2.49	8	<5	<2	10	89	18.2	3	3	162	.99	.280	14	39	.68	942	.10	6	2.64	.02	.20	<2	<5	<1	1
L47N 41+50E	5	58	17	1243	.8	100	16	901	2.87	2	<5	<2	11	74	21.2	3	3	172	.79	.266	17	40	.81	770	.11	5	3.35	.02	.20	<2	<5	<1	<1
L47N 42+00E	8	55	24	1039	.8	105	12	573	2.70	3	<5	<2	9	52	10.9	3	5	274	.56	.143	18	50	1.01	481	.11	4	2.81	.01	.20	<2	<5	<1	<1
L47N 42+50E	11	81	24	749	<.3	231	11	317	2.60	6	5	<2	7	46	4.7	5	<2	202	.61	.085	19	44	.90	171	.09	5	2.63	.01	.29	<2	<5	<1	1
L47N 43+00E	4	55	36	795	.4	83	14	626	2.72	4	<5	<2	9	59	9.5	3	2	135	.64	.309	19	41	.99	512	.10	4	3.30	.02	.24	<2	<5	<1	2
L47N 43+50E	4	38	26	653	.7	67	11	379	2.53	10	<5	<2	11	31	4.1	<2	5	135	.38	.167	17	43	.80	295	.09	4	2.71	.01	.18	7	<5	<1	1
L47N 44+00E	4	52	32	645	<.3	82	11	244	2.59	10	<5	<2	10	29	2.7	<2	2	122	.35	.222	17	36	.75	261	.11	3	3.00	.02	.20	<2	<5	<1	60
L47N 44+50E	4	45	49	447	<.3	53	10	410	2.02	7	<5	<2	4	64	9.3	3	<2	112	1.41	.102	12	34	.60	215	.07	4	1.70	.02	.14	2	<5	<1	2
L47N 45+00E	2	16	17	466	<.3	36	6	249	2.23	11	<5	<2	9	36	3.6	<2	<2	44	.41	.553	10	16	.28	225	.15	4	4.29	.03	.07	<2	5	<1	<1
L45N 33+00E	6	32	28	1939	<.3	154	11	671	2.54	6	<5	<2	7	75	10.8	<2	<2	78	.54	.434	16	24	.53	1064	.10	3	2.59	.02	.16	<2	<5	<1	<1
L45N 33+50E	8	41	49	1106	1.1	74	12	1160	2.63	7	<5	<2	8	72	13.4	3	<2	140	.82	.206	16	30	.65	961	.08	4	2.17	.01	.15	<2	<5	<1	1
L45N 34+00E	5	28	52	726	1.1	71	11	451	2.82	7	<5	<2	10	58	3.5	4	2	95	.45	.290	22	25	.62	969	.10	3	2.40	.02	.18	<2	<5	<1	<1
L45N 34+50E	9	64	35	783	.5	151	17	648	3.18	7	<5	<2	13	33	8.8	2	<2	140	.91	.136	38	42	2.31	391	.10	5	3.08	.01	.22	<2	<5	<1	<1
L45N 35+00E	13	34	37	405	.5	151	13	683	2.80	10	<5	<2	6	20	4.6	5	<2	92	.61	.093	10	35	2.35	249	.10	5	2.36	.01	.15	<2	<5	<1	1
STANDARD C/AU-S	21	60	37	135	6.5	63	33	996	3.89	45	18	8	43	53	19.8	17	23	58	.47	.089	40	61	.88	184	.08	28	1.81	.06	.14	10	<5	<1	50

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L45N 35+50E	24	123	5091	1305	16.3	123	14	601	4.86	59	<5	<2	27	58	9.2	260	16	66	.47	.320	74	36	.42	1117	.08	4	2.03	.01	.22	<2	<5	<1	5
L45N 36+00E	17	25	27	1161	.7	77	9	847	2.37	6	<5	<2	9	31	11.9	3	3	113	.34	.341	12	24	.83	551	.11	4	2.80	.02	.16	<2	<5	1	<1
L45N 36+50E	6	28	40	1132	.5	87	9	526	3.55	4	<5	<2	12	36	12.2	<2	2	97	.54	.127	11	26	.58	243	.15	6	3.55	.03	.15	<2	<5	<1	<1
L45N 37+00E	8	40	21	1179	.4	137	9	519	2.63	2	<5	<2	10	29	9.7	<2	3	193	.45	.286	14	35	1.18	340	.12	3	3.27	.02	.20	<2	<5	<1	<1
L45N 37+50E	8	52	16	1237	.5	125	10	329	2.57	5	<5	<2	11	36	8.8	2	3	223	.45	.276	12	37	1.59	294	.14	<3	3.67	.02	.26	<2	<5	<1	1
RE L45N 37+50E	8	52	18	1237	.9	124	10	328	2.58	3	<5	<2	13	36	9.1	<2	2	224	.45	.275	13	36	1.60	290	.14	3	3.67	.02	.26	<2	<5	<1	<1
L45N 38+00E	6	53	20	1460	.9	121	10	336	2.28	4	<5	<2	8	45	11.5	<2	<2	192	.54	.218	12	31	1.33	331	.12	3	3.12	.02	.22	<2	<5	<1	1
L45N 38+50E	7	42	19	1270	<.3	95	10	464	2.30	2	<5	<2	8	33	15.8	<2	<2	238	.44	.151	12	40	1.46	310	.10	4	2.63	.01	.21	<2	<5	<1	<1
L45N 39+00E	9	38	10	498	.3	55	7	169	2.42	4	<5	<2	7	16	2.4	2	<2	177	.24	.116	14	35	.79	111	.09	<3	1.66	.01	.16	5	<5	<1	1
L45N 39+50E	14	47	64	1791	1.2	202	9	222	2.73	13	<5	<2	10	22	10.7	4	5	184	.43	.187	23	39	1.27	199	.08	4	1.92	.01	.17	<2	<5	<1	2
L45N 40+00E	7	43	17	829	.7	99	8	313	2.63	4	<5	<2	11	28	7.7	<2	<2	187	.41	.239	17	43	.95	318	.12	3	3.45	.02	.24	<2	<5	<1	<1
L45N 40+50E	6	39	16	1554	.5	119	8	453	2.48	7	<5	<2	8	40	19.8	4	3	251	.49	.384	15	37	.65	638	.11	5	2.78	.02	.20	<2	<5	<1	<1
L45N 41+00E	5	54	18	1016	.7	103	11	359	2.91	7	<5	<2	11	34	8.2	<2	2	156	.42	.171	23	35	.92	235	.14	3	3.70	.02	.23	<2	<5	<1	<1
L45N 41+50E	5	29	25	1358	.4	62	11	1087	2.56	4	<5	<2	7	58	25.6	<2	<2	147	.65	.322	13	37	.77	574	.10	3	2.75	.01	.18	<2	<5	<1	1
L45N 42+00E	6	62	19	573	.8	78	10	195	3.03	6	<5	<2	11	42	3.8	2	3	133	.54	.286	20	44	1.28	302	.11	<3	3.32	.03	.22	<2	<5	<1	1
L45N 42+50E	4	23	14	1172	.5	86	8	428	2.37	3	<5	<2	11	31	11.6	2	5	117	.33	.487	12	33	.68	631	.12	3	2.86	.03	.13	2	<5	<1	1
L45N 43+00E	4	39	20	747	.3	76	10	372	2.55	7	<5	<2	8	34	6.6	<2	<2	145	.48	.114	18	46	.97	184	.11	3	2.76	.03	.14	4	<5	<1	1
L45N 43+50E	6	40	18	588	.7	98	10	234	2.78	5	<5	<2	11	25	5.2	<2	2	122	.33	.134	15	36	.81	183	.12	<3	3.16	.01	.15	<2	<5	<1	1
L45N 44+00E	5	22	36	678	.4	81	9	823	2.35	5	<5	<2	5	49	10.8	2	<2	79	.89	.355	11	26	.55	386	.09	4	2.32	.02	.18	<2	<5	<1	2
L45N 44+50E	5	48	19	1709	<.3	89	12	1329	2.88	<2	<5	<2	11	45	11.7	<2	9	109	.52	.206	14	42	1.22	420	.13	4	3.85	.01	.19	<2	<5	<1	1
L45N 45+00E	13	56	8	524	<.3	164	18	363	3.88	9	<5	<2	11	36	3.0	2	2	154	.44	.049	27	115	1.76	277	.18	<3	3.71	.02	.30	<2	<5	<1	1
STANDARD C/AU-S	23	61	37	137	6.7	69	31	1035	4.08	43	17	7	45	54	18.9	17	22	57	.49	.093	42	59	.94	177	.08	27	1.87	.06	.15	11	<5	13	47

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Sultan Minerals PROJECT POSIE File # 95-4532 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L69N 39+00E	2	8	34	227	.3	13	5	699	1.78	6	<5	<2	4	10	.6	<2	3	54	.17	.174	10	22	.22	181	.12	3	1.32	.01	.08	2	<5	<1	2
L69N 39+50E	<1	13	17	270	.4	16	6	232	2.16	6	9	<2	3	15	1.3	<2	<2	34	.28	.519	6	24	.16	272	.14	<3	3.74	.02	.07	2	<5	1	2
L69N 40+00E	1	18	37	185	<.3	22	8	719	1.96	10	<5	<2	4	13	.9	<2	2	52	.31	.101	15	31	.45	243	.08	<3	1.38	.01	.13	2	<5	<1	3
L69N 40+50E	2	15	28	461	.3	28	7	883	2.18	12	8	<2	4	14	2.9	<2	<2	42	.21	.342	5	24	.23	289	.15	4	3.24	.02	.09	<2	<5	<1	<1
L69N 41+00E	2	28	15	355	.5	33	7	602	2.11	14	11	<2	4	18	1.6	<2	4	34	.36	.447	7	20	.19	305	.15	4	4.01	.02	.07	2	<5	1	1
L69N 41+50E	3	71	25	811	.4	66	14	821	3.36	7	<5	<2	4	22	6.4	<2	<2	79	.35	.353	7	38	.30	702	.11	3	2.64	.02	.09	<2	<5	<1	<1
L69N 42+00E	1	18	25	296	<.3	29	6	647	1.99	4	9	<2	4	26	5.5	<2	52	41	.87	.103	11	28	.27	376	.10	4	2.67	.02	.12	5	<5	1	2
L69N 42+50E	4	13	25	261	<.3	30	8	333	2.47	9	5	<2	3	15	1.1	<2	16	54	.39	.191	8	28	.27	305	.13	<3	3.10	.02	.06	23	<5	1	1
L69N 43+00E	1	21	20	393	<.3	27	7	1231	1.86	6	<5	<2	3	20	2.4	<2	<2	39	.34	.291	7	34	.23	705	.11	<3	2.06	.02	.11	2	<5	1	<1
L69N 43+50E	<1	55	15	386	.3	50	11	216	2.66	6	13	<2	4	16	3.0	<2	<2	60	.26	.114	7	24	.26	292	.14	4	3.13	.02	.08	<2	<5	1	1
L69N 44+00E	1	96	19	222	.3	79	15	281	2.88	3	7	<2	4	22	1.0	<2	3	62	.46	.189	10	33	.45	505	.11	3	3.30	.02	.08	3	<5	<1	<1
L69N 44+50E	1	68	13	375	.3	67	13	449	2.96	9	5	<2	4	17	1.0	2	<2	77	.31	.213	9	40	.48	472	.12	3	3.19	.01	.11	<2	<5	<1	3
L69N 45+00E	4	23	21	745	<.3	42	7	561	2.50	16	9	<2	5	21	8.3	<2	4	54	.38	.387	7	24	.27	299	.15	3	3.33	.02	.09	3	<5	<1	<1
L69N 45+50E	1	33	17	605	.7	50	10	473	2.14	6	<5	<2	3	21	2.7	<2	<2	76	.35	.207	8	39	.43	370	.11	<3	2.08	.02	.10	<2	<5	<1	<1
L69N 46+00E	4	19	49	677	.3	29	7	1570	2.48	11	<5	4	8	23	5.7	<2	<2	76	.26	.382	6	28	.23	374	.14	<3	2.90	.02	.07	<2	<5	<1	<1
RE L69N 46+00E	3	19	42	662	<.3	28	7	1539	2.47	8	<5	3	8	22	5.4	<2	<2	76	.25	.373	6	24	.23	368	.14	<3	2.84	.02	.07	<2	<5	<1	<1
L69N 46+50E	14	273	52	4469	2.1	300	16	570	3.66	35	64	<2	2	39	28.9	<2	<2	373	.72	.161	20	97	.89	271	.10	<3	3.13	.02	.08	<2	<5	<1	4
L69N 47+00E	4	62	62	834	1.0	98	19	1271	3.77	11	5	2	4	29	4.9	2	4	131	.45	.292	15	144	1.39	488	.28	<3	3.00	.02	.22	<2	6	1	<1
L67N 39+00E	2	24	23	394	.4	25	6	197	2.28	8	17	<2	3	20	3.7	<2	<2	41	.28	.233	5	20	.17	317	.21	<3	4.86	.03	.06	<2	<5	<1	<1
L67N 39+50E	3	97	28	338	.4	71	15	442	3.21	6	5	<2	4	24	1.5	<2	<2	66	.39	.087	10	44	.64	508	.13	3	3.55	.02	.10	<2	<5	<1	1
L67N 40+00E	1	92	23	309	.4	134	19	425	3.45	8	<5	<2	3	33	.6	<2	<2	84	.51	.106	9	100	1.79	599	.17	<3	3.30	.01	.13	<2	<5	<1	<1
L67N 40+50E	3	81	55	335	.3	47	12	895	2.80	9	5	<2	2	34	3.0	<2	<2	48	.92	.180	8	29	.33	384	.08	5	2.29	.02	.11	<2	<5	<1	2
L67N 41+00E	3	23	19	173	<.3	20	5	481	2.00	5	10	<2	3	23	1.0	<2	2	35	.55	.292	10	21	.19	315	.16	4	3.94	.02	.07	16	<5	<1	<1
L67N 41+50E	2	105	26	395	.9	73	16	687	3.35	7	5	<2	4	27	1.4	<2	<2	47	.41	.208	10	24	.26	312	.10	4	3.20	.02	.08	<2	<5	<1	<1
L67N 42+00E	3	133	20	233	.3	42	11	410	2.83	5	11	<2	4	32	1.1	<2	<2	57	.59	.119	13	32	.33	654	.11	<3	3.47	.02	.08	<2	<5	1	1
L67N 42+50E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L67N 43+00E not received	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L61N 39+00E	7	118	31	694	.9	88	12	259	3.52	16	12	<2	3	23	3.2	2	<2	127	.33	.127	11	22	.70	185	.13	<3	3.77	.02	.08	<2	<5	<1	2
L61N 39+50E	12	76	25	1223	1.7	110	15	483	3.87	21	14	<2	3	31	4.8	<2	3	127	.34	.207	8	29	.34	304	.14	<3	4.18	.02	.08	<2	<5	1	<1
L61N 40+00E	4	26	21	1252	1.3	93	9	205	2.69	7	15	<2	3	27	4.5	3	<2	123	.25	.111	4	18	.26	134	.17	3	3.99	.02	.06	<2	<5	<1	1
L61N 40+50E	8	120	24	3005	2.2	225	16	331	3.85	13	23	<2	4	34	11.5	<2	<2	280	.46	.331	5	34	.69	114	.14	<3	4.73	.02	.08	<2	<5	3	1
L61N 41+00E	6	93	33	2380	1.3	162	18	759	3.93	9	15	<2	4	34	8.3	2	<2	288	.53	.363	5	41	.78	186	.10	<3	3.68	.01	.07	<2	<5	1	1
L59N 33+00E	3	166	26	1462	1.6	107	16	689	4.02	6	18	<2	4	43	18.1	3	2	303	.68	.354	6	69	1.55	954	.11	<3	3.69	.02	.11	<2	<5	<1	3
L59N 33+50E	3	68	28	850	.6	91	20	875	3.70	12	<5	<2	3	36	6.6	<2	<2	105	.58	.398	7	56	1.14	778	.14	<3	3.83	.02	.14	<2	<5	<1	1
L59N 34+00E	3	86	25	537	.4	64	12	1052	2.90	9	<5	<2	4	29	2.5	2	<2	96	.41	.241	6	46	1.02	741	.14	4	3.29	.03	.11	<2	<5	1	<1
L59N 34+50E	1	54	25	341	<.3	47	11	654	2.80	7	<5	<2	4	19	1.6	<2	2	89	.29	.133	8	35	.80	326	.16	3	3.79	.02	.12	<2	<5	<1	<1
L59N 35+00E	5	81	22	332	.4	47	11	723	2.85	6	11	<2	4	23	2.3	<2	3	116	.42	.120	8	38	1.03	308	.15	4	3.74	.02	.11	<2	<5	1	<1
STANDARD C/AU-S	18	56	38	124	5.9	68	29	1051	3.72	42	19	6	35	43	16.3	16	16	60	.44	.088	33	60	.83	160	.07	26	1.73	.05	.14	11	<5	<1	47

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

DATE RECEIVED: NOV 7 1995 **DATE REPORT MAILED:** Nov 20/95 **SIGNED BY** D. Toye .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L59N 35+50E	6	224	47	397	2.1	63	17	212	2.53	27	11	<2	<2	19	2.2	6	2	132	.63	.166	3	27	.81	115	.04	<3	1.29	<.01	.09	<2	<5	<1	7
L59N 36+00E	4	175	19	176	.8	53	10	298	2.64	10	9	<2	2	22	1.0	2	<2	116	.37	.069	6	30	.99	168	.10	<3	2.41	.01	.10	2	<5	<1	4
L59N 36+50E	3	81	57	104	1.5	51	10	339	2.95	27	10	<2	2	20	.7	6	<2	81	.45	.153	4	23	.59	143	.13	3	3.11	.02	.06	3	<5	<1	1
L59N 37+00E	3	35	28	1310	.6	43	10	1798	2.61	13	<5	<2	2	53	25.7	<2	<2	166	.59	.491	4	51	.71	1387	.11	3	2.63	.02	.12	<2	<5	<1	<1
L59N 37+50E	2	23	22	1347	.6	68	9	1301	2.04	16	<5	<2	<2	35	10.8	<2	<2	142	.34	.385	5	29	.51	671	.11	<3	2.29	.01	.08	<2	<5	<1	<1
L59N 38+00E	5	30	14	1195	.9	87	8	467	2.37	17	12	<2	3	32	7.9	2	2	162	.30	.199	3	18	.91	227	.16	4	3.82	.02	.08	<2	<5	<1	<1
L59N 38+50E	4	28	24	1174	.4	75	13	1462	2.44	15	<5	<2	2	25	16.7	<2	3	109	.26	.222	6	29	.57	543	.13	<3	2.50	.02	.09	<2	<5	<1	<1
L59N 39+00E	8	83	16	1708	1.1	125	15	879	3.37	5	17	<2	3	45	9.5	<2	2	246	.47	.293	5	35	.74	334	.12	<3	3.72	.01	.08	<2	<5	<1	<1
L59N 39+50E	1	37	16	869	.6	64	11	977	2.52	<2	9	<2	3	34	9.5	<2	2	187	.56	.478	6	42	.81	352	.11	<3	2.79	.02	.11	<2	<5	<1	1
L59N 40+00E	1	74	16	854	1.4	84	10	436	2.70	3	24	<2	4	43	9.7	<2	2	295	.82	.486	7	48	1.25	171	.13	<3	3.62	.02	.10	<2	<5	1	1
L59N 40+50E	3	21	20	1127	.4	59	10	1146	2.62	6	5	<2	2	27	7.8	<2	2	144	.40	.362	6	34	.55	428	.13	<3	2.87	.01	.09	<2	<5	<1	1
RE L59N 40+50E	1	19	18	1045	.4	54	10	1057	2.40	5	<5	<2	2	25	7.2	<2	<2	132	.36	.330	5	30	.50	386	.12	<3	2.61	.01	.08	<2	<5	<1	<1
L59N 41+00E	1	20	22	912	.7	48	8	589	2.22	8	5	<2	2	23	7.5	<2	<2	78	.34	.269	7	22	.35	270	.14	<3	3.43	.02	.09	<2	<5	<1	<1
L59N 41+50E	3	27	28	1291	.4	75	7	303	2.49	8	11	<2	6	12	5.2	<2	2	94	.18	.289	7	22	.42	183	.14	<3	3.84	.02	.09	<2	<5	<1	<1
L59N 42+00E	4	18	30	1639	.5	86	8	466	2.41	11	9	<2	4	17	8.2	<2	<2	73	.33	.204	9	26	.39	285	.12	<3	2.55	.01	.09	<2	<5	<1	1
L59N 42+50E	5	35	18	602	.4	62	8	197	2.45	3	22	<2	4	17	3.0	<2	3	53	.18	.104	9	14	.30	139	.19	3	4.69	.02	.06	2	6	<1	<1
L59N 43+00E	7	30	29	770	.3	82	11	448	2.70	3	8	<2	6	17	2.7	<2	2	73	.20	.104	11	25	.59	177	.13	<3	2.79	.01	.11	<2	<5	<1	44
L59N 43+50E	4	25	23	890	.4	69	9	271	2.41	5	12	<2	5	14	3.1	<2	<2	83	.19	.072	11	23	.57	211	.12	<3	2.60	.01	.09	<2	<5	1	<1
L59N 44+00E	4	34	21	2253	.3	119	11	509	2.55	3	11	<2	4	13	8.2	<2	4	145	.20	.099	8	30	.52	281	.14	<3	3.09	.01	.09	<2	<5	<1	2
L59N 44+50E	8	34	22	2410	.4	121	13	647	2.72	6	6	<2	4	14	8.3	<2	11	146	.25	.154	8	28	.52	294	.11	<3	2.68	.01	.08	<2	<5	<1	2
L59N 45+00E	4	34	34	1461	.5	87	10	415	2.39	10	9	<2	4	13	4.4	<2	2	116	.20	.185	9	28	.49	253	.11	<3	2.54	.01	.08	<2	<5	<1	<1
L59N 45+50E	5	60	23	3632	.9	214	13	358	2.86	6	18	<2	5	13	7.3	<2	3	241	.19	.110	10	38	.82	159	.14	<3	3.51	.01	.11	<2	<5	1	2
L59N 46+00E	7	53	31	2094	.5	126	11	363	2.45	6	13	<2	4	18	4.7	<2	<2	210	.34	.124	10	37	.75	261	.10	<3	2.44	.01	.09	<2	<5	<1	1
L59N 46+50E	6	122	35	2917	1.2	291	29	911	2.81	8	17	<2	4	22	14.0	<2	<2	143	.36	.118	24	28	.51	178	.15	<3	3.57	.02	.09	<2	<5	<1	<1
L59N 47+00E	1	27	34	1393	.5	96	9	568	2.66	10	<5	<2	4	15	4.4	<2	2	95	.21	.286	8	31	.42	377	.13	<3	2.87	.01	.10	2	<5	<1	1
L57E 33+00E	7	142	18	409	.8	90	17	378	3.84	4	24	<2	5	35	2.5	<2	<2	70	.52	.129	10	29	1.40	324	.15	3	4.55	.02	.11	<2	<5	<1	<1
L57E 33+50E	2	40	35	304	.4	38	8	524	2.27	15	13	<2	3	15	1.5	<2	<2	112	.32	.352	5	28	.98	364	.14	<3	3.43	.02	.07	<2	<5	1	<1
L57E 34+00E	3	43	22	797	.6	156	6	421	1.84	8	7	<2	3	17	2.1	<2	3	68	.39	.098	6	20	.81	109	.14	<3	2.81	.02	.08	<2	<5	1	<1
L57E 34+50E	2	41	25	337	.3	52	9	538	2.06	8	10	<2	4	18	1.6	4	<2	106	.30	.249	5	33	1.62	389	.12	<3	2.77	.01	.10	<2	<5	1	<1
L57E 35+00E	1	50	19	574	.6	79	9	228	2.65	12	14	<2	4	22	7.3	<2	<2	75	.37	.229	7	28	.66	356	.18	<3	4.38	.02	.08	<2	<5	1	<1
L57E 35+50E	5	99	26	1186	3.0	89	11	335	3.45	33	24	<2	3	33	4.2	2	<2	299	.42	.397	5	40	1.03	607	.13	<3	4.11	.01	.11	<2	<5	<1	<1
L57E 36+00E	4	55	20	1068	.9	82	11	480	2.62	11	14	<2	4	21	5.2	3	2	150	.23	.140	6	27	.88	366	.16	3	3.93	.02	.09	<2	<5	<1	<1
L57E 36+50E	9	64	31	1705	1.8	116	12	455	3.42	41	13	<2	4	49	14.0	4	2	178	.47	.292	6	29	.63	441	.13	3	3.93	.02	.11	<2	<5	1	<1
L57E 37+00E	7	124	43	3031	5.6	122	13	448	3.55	10	28	<2	2	92	18.0	8	<2	481	.95	.598	2	54	1.80	584	.10	<3	3.82	.01	.12	<2	<5	<1	<1
L57E 37+50E	2	43	27	2983	1.0	154	9	677	2.44	3	17	<2	3	38	27.3	<2	2	148	.64	.335	7	29	.72	165	.12	3	2.93	.02	.11	<2	<5	<1	<1
STANDARD C/AU-S	19	61	38	134	6.4	69	31	1145	4.09	41	18	8	33	48	18.3	16	19	58	.48	.097	36	58	.90	182	.08	27	1.87	.05	.14	11	<5	2	47

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L57N 38+00E	4	71	20	1368	1.9	84	13	862	2.74	8	14	<2	3	61	17.2	3	3	193	.97	.405	8	44	.93	324	.11	4	3.30	.02	.15	<2	<5	<1	3
L57N 38+50E	4	39	17	2018	.8	80	13	1236	2.96	6	6	<2	2	52	17.3	2	<2	176	.61	.324	5	44	.79	536	.12	<3	2.93	.02	.12	<2	<5	<1	2
L57N 39+00E	2	29	15	826	.4	66	10	583	2.51	4	5	<2	5	15	5.1	<2	2	111	.22	.112	12	37	.65	282	.12	<3	2.82	.01	.11	<2	<5	<1	1
L57N 39+50E	6	65	21	2825	.8	153	9	609	2.09	7	6	<2	3	16	7.1	3	2	146	.26	.210	8	36	.76	307	.10	3	2.27	.01	.10	<2	<5	1	1
L57N 40+00E	5	33	27	2998	.7	157	8	1003	2.32	5	12	<2	3	14	28.1	2	2	180	.24	.145	8	34	.85	208	.13	3	3.07	.02	.12	<2	<5	<1	1
L57N 40+50E	2	26	14	1595	.9	87	9	408	1.82	6	12	<2	3	17	15.3	6	<2	261	.29	.120	4	47	1.58	292	.13	3	2.75	.01	.11	<2	<5	<1	1
L57N 41+00E	4	22	19	1000	.4	75	10	384	2.11	6	5	<2	4	14	4.7	2	3	155	.21	.084	8	37	.96	152	.12	<3	2.32	.01	.14	<2	<5	<1	<1
L57N 41+50E	4	19	22	1879	.6	123	11	670	2.46	7	<5	<2	4	17	8.3	3	3	141	.20	.140	8	34	.80	187	.13	<3	2.85	.02	.12	<2	<5	<1	1
L57N 42+00E	5	25	14	2891	.8	179	8	208	2.55	8	11	<2	4	18	8.2	2	2	93	.22	.055	9	31	.40	167	.15	<3	3.80	.02	.07	<2	<5	<1	1
L57N 42+50E	3	24	18	2041	.7	72	8	472	2.48	11	7	<2	4	20	17.5	2	<2	88	.25	.347	12	49	.41	634	.12	<3	2.77	.02	.14	<2	<5	<1	1
L57N 43+00E	8	25	12	1159	.8	69	13	378	3.01	<2	9	<2	4	15	3.6	<2	<2	160	.14	.099	9	41	.46	208	.15	<3	3.21	.01	.10	<2	<5	<1	1
L57N 43+50E	7	24	14	1232	.8	79	16	642	3.33	2	6	<2	4	23	4.7	2	<2	118	.24	.097	12	74	.63	344	.15	<3	3.21	.01	.14	<2	<5	<1	13
L57N 44+00E	6	22	15	827	.4	59	12	387	2.67	4	7	<2	4	20	3.2	<2	2	119	.17	.085	8	28	.42	182	.15	<3	3.03	.01	.08	<2	<5	<1	2
L57N 44+50E	4	19	11	1260	.4	55	8	643	2.36	3	<5	<2	4	16	10.7	3	2	87	.20	.159	6	22	.33	203	.14	<3	3.18	.02	.08	<2	<5	<1	<1
L57N 45+00E	3	19	10	566	.5	44	9	923	2.39	11	<5	<2	2	19	2.2	4	2	84	.19	.231	5	27	.29	269	.15	<3	3.08	.02	.07	2	<5	<1	<1
L57N 45+50E	7	44	34	549	.8	77	10	954	3.57	8	<5	<2	<2	22	4.4	2	3	188	.23	.114	11	36	.65	171	.12	<3	2.62	.01	.13	<2	<5	<1	1
RE L57N 47+00E	6	47	29	1425	.3	138	14	705	3.23	10	<5	<2	4	22	11.2	<2	2	115	.20	.136	14	40	.47	518	.13	<3	3.09	.01	.12	<2	<5	<1	<1
L57N 46+00E	7	73	17	966	.7	139	18	651	3.60	10	11	<2	4	21	3.0	5	2	202	.27	.123	14	43	.68	185	.13	<3	3.73	.01	.12	3	<5	<1	1
L57N 46+50E	8	74	18	961	.6	110	15	424	3.49	6	17	<2	6	12	2.6	2	3	169	.12	.137	15	39	.63	145	.16	<3	4.28	.01	.10	3	<5	<1	2
L57N 47+00E	6	48	33	1460	.4	141	14	719	3.30	10	5	<2	4	21	11.7	2	<2	116	.20	.142	13	39	.48	521	.13	<3	3.18	.01	.13	<2	<5	<1	<1
L55N 33+00E	4	75	19	296	.4	48	10	416	2.26	12	5	<2	3	18	1.8	5	<2	135	.33	.076	8	40	2.07	305	.14	<3	3.46	.01	.14	<2	<5	<1	<1
L55N 33+50E	5	58	15	117	.5	39	8	403	2.23	11	14	<2	4	17	.8	6	<2	187	.44	.071	13	32	2.65	206	.15	<3	3.62	.02	.14	<2	<5	<1	1
L55N 34+00E	3	195	22	603	1.7	102	16	216	2.97	8	16	<2	4	26	3.4	6	<2	201	.49	.122	17	55	1.65	367	.14	<3	3.38	.02	.13	<2	<5	1	4
L55N 34+50E	2	58	12	714	1.6	60	7	226	2.39	23	15	<2	4	23	7.5	2	<2	189	.34	.424	5	37	.71	376	.14	<3	3.71	.02	.10	<2	<5	<1	1
L55N 35+00E	4	92	16	1053	1.7	76	8	249	1.97	15	16	<2	3	27	12.7	5	<2	292	.38	.251	5	48	1.12	437	.10	<3	2.55	.01	.12	<2	<5	<1	2
L55N 35+50E	3	27	20	1141	.7	56	9	916	2.04	9	5	<2	4	28	21.2	3	<2	154	.35	.426	7	47	.65	841	.10	<3	2.42	.02	.12	<2	<5	<1	1
L55N 36+00E	2	33	18	1789	1.7	70	10	428	2.22	11	9	<2	4	48	26.5	<2	<2	139	.49	.568	8	52	.58	1024	.12	<3	2.92	.02	.13	<2	<5	<1	1
L55N 36+50E	3	42	16	1310	1.1	60	9	451	2.13	9	12	<2	4	32	9.6	4	<2	251	.49	.503	6	56	.87	734	.10	<3	2.59	.01	.12	<2	<5	<1	1
L55N 37+00E	4	74	17	414	1.9	42	7	113	1.77	5	26	<2	4	70	3.3	5	<2	414	2.09	.813	10	58	1.46	188	.08	<3	1.70	<.01	.30	<2	<5	1	3
L55N 37+50E	5	129	17	1220	4.0	78	10	182	2.70	5	30	<2	4	44	11.3	4	<2	432	1.04	.540	9	69	1.47	296	.12	<3	3.68	.02	.20	<2	<5	<1	1
L55N 38+00E	2	105	62	4669	1.8	237	10	325	2.71	14	24	<2	4	30	9.5	5	<2	341	.79	.257	10	52	1.33	227	.09	<3	2.99	.01	.24	<2	<5	<1	4
L55N 38+50E	3	34	17	1462	.7	87	10	619	2.66	9	<5	<2	4	19	10.1	10	<2	154	.22	.305	11	50	.89	562	.12	<3	2.88	.02	.14	<2	<5	<1	1
L55N 39+00E	3	20	24	1650	.5	89	8	515	2.34	7	7	<2	3	21	13.6	4	<2	159	.29	.283	5	40	1.29	297	.14	<3	3.39	.02	.12	<2	<5	<1	<1
L55N 39+50E	2	24	11	1200	.8	63	10	360	1.94	2	7	<2	3	20	5.1	3	<2	208	.28	.256	5	42	1.25	269	.12	<3	2.93	.01	.10	<2	<5	<1	1
L55N 40+00E	2	34	26	1150	.9	63	9	378	2.13	8	12	<2	4	23	7.0	4	<2	178	.39	.315	7	38	.92	287	.11	<3	2.96	.01	.11	<2	<5	1	1
STANDARD C/AU-S	20	59	37	127	6.4	66	31	1097	3.95	43	15	8	32	46	18.2	18	20	58	.48	.092	35	60	.89	170	.08	26	1.83	.05	.14	10	<5	2	53

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L55N 40+50E	4	49	22	3858	1.1	244	9	292	2.72	12	23	<2	5	21	10.3	2	2	260	.36	.166	8	48	.90	177	.14	3	4.30	.01	.15	<2	<5	<1	5
L55N 41+00E	3	25	14	2144	.7	124	9	331	2.38	8	12	<2	5	17	10.8	<2	<2	182	.21	.152	6	35	.85	139	.15	<3	3.66	.02	.10	<2	<5	<1	1
L55N 41+50E	8	35	29	4751	.5	292	12	537	3.17	11	12	<2	3	23	7.6	<2	<2	177	.33	.050	9	57	1.12	156	.17	<3	3.42	.02	.14	<2	<5	<1	1
L55N 42+00E	5	34	19	1306	.4	75	10	531	2.76	11	10	<2	5	17	4.6	2	6	178	.21	.090	10	34	.67	178	.12	<3	2.98	.01	.11	16	<5	<1	1
L55N 42+50E	1	23	12	1405	.3	44	8	834	2.34	9	5	<2	3	34	18.1	<2	2	63	.50	.176	7	27	.30	313	.15	3	3.18	.02	.11	2	<5	<1	1
L55N 43+00E	3	34	14	1682	.3	114	11	714	2.61	9	10	<2	5	19	13.7	<2	2	161	.22	.178	10	52	.55	388	.12	<3	3.12	.01	.12	2	<5	<1	1
L55N 43+50E	4	38	31	851	.8	77	15	2191	3.20	8	<5	<2	2	48	15.8	<2	<2	161	.48	.232	11	66	.58	1129	.12	<3	2.75	.01	.15	<2	<5	<1	1
L55N 44+00E	7	60	13	832	.6	115	14	465	3.13	11	16	<2	5	13	2.6	2	2	202	.12	.108	16	40	.63	137	.14	<3	3.58	.01	.11	<2	<5	<1	2
L55N 44+50E	6	52	24	832	.3	107	13	744	3.24	8	12	<2	4	21	4.6	<2	<2	164	.20	.097	17	33	.58	189	.14	<3	3.54	.01	.12	<2	<5	<1	2
L55N 45+00E	2	26	13	1394	.3	73	7	716	2.80	8	7	<2	3	33	11.7	<2	<2	65	.34	.294	18	35	.34	527	.16	<3	3.69	.03	.13	<2	<5	<1	<1
L55N 45+50E	<1	24	13	1218	.5	89	9	606	2.74	9	9	<2	4	18	14.2	<2	<2	124	.19	.250	10	36	.41	323	.14	<3	3.23	.02	.11	3	<5	<1	<1
L55N 46+00E	3	24	12	1518	.6	124	8	367	2.63	11	9	<2	3	20	10.7	<2	4	129	.26	.217	9	38	.42	296	.11	<3	3.55	.01	.11	<2	<5	1	<1
L55N 46+50E	4	25	7	961	.4	52	8	435	2.28	7	8	<2	3	19	7.6	<2	<2	109	.24	.319	9	36	.42	302	.10	<3	2.73	.01	.11	7	<5	<1	<1
L55N 47+00E	4	19	10	1074	.4	66	8	511	2.43	12	9	<2	3	23	11.2	<2	<2	133	.28	.286	10	35	.44	303	.11	<3	2.58	.01	.12	<2	<5	<1	<1
L53N 33+00E	6	59	23	1376	1.6	89	13	1136	3.10	20	7	<2	3	48	14.4	<2	<2	183	.46	.401	9	70	1.01	1594	.11	<3	2.98	.02	.14	<2	<5	1	1
L53N 33+50E	4	74	17	1451	1.6	103	14	627	2.69	22	11	<2	2	36	8.8	4	<2	195	.42	.265	7	46	1.04	724	.13	<3	3.46	.01	.12	<2	<5	<1	1
L53N 34+00E	2	21	12	806	.6	50	8	717	2.00	16	5	<2	3	31	10.9	<2	<2	62	.27	.633	7	45	.32	1226	.15	<3	3.09	.02	.09	<2	<5	<1	1
L53N 34+50E	3	69	20	2433	2.1	161	10	267	2.68	27	21	<2	4	33	15.7	<2	<2	200	.48	.395	7	34	.95	463	.14	<3	3.80	.03	.12	<2	<5	<1	2
L53N 35+00E	2	49	17	1089	3.2	70	9	505	2.31	11	15	<2	3	41	10.9	2	3	138	.53	.399	9	44	.60	812	.13	<3	3.33	.02	.10	<2	<5	<1	3
L53N 35+50E	4	74	14	1208	2.3	87	14	791	3.78	10	17	<2	4	38	10.5	4	<2	257	.43	.316	7	46	1.35	311	.15	<3	4.59	.02	.10	<2	<5	1	1
RE L53N 35+50E	3	75	10	1218	2.4	87	14	803	3.85	4	16	<2	4	38	10.2	<2	<2	261	.44	.320	7	46	1.37	314	.15	<3	4.66	.02	.10	<2	<5	<1	1
L53N 36+00E	3	60	10	1000	.7	67	13	1448	2.83	5	9	<2	3	51	17.0	<2	5	137	.58	.245	7	39	.91	540	.14	3	3.78	.03	.11	<2	<5	<1	<1
L53N 36+50E	6	46	9	5482	1.6	260	10	598	2.42	9	19	<2	3	27	23.4	<2	<2	224	.47	.338	8	39	1.08	335	.13	<3	3.44	.02	.12	<2	<5	<1	<1
L53N 37+00E	3	42	7	1870	.8	84	7	398	1.82	5	16	<2	3	22	16.6	2	<2	271	.33	.216	5	42	1.76	384	.12	<3	2.74	.02	.13	<2	<5	<1	<1
L53N 37+50E	1	33	6	3273	.9	181	14	566	2.49	9	18	<2	4	19	11.8	4	5	322	.34	.172	8	50	2.34	377	.13	<3	3.29	.02	.15	<2	<5	<1	<1
L53N 38+00E	10	32	19	1047	.8	80	11	602	2.58	11	12	<2	5	29	5.9	3	<2	283	.36	.143	6	48	1.37	371	.13	<3	2.85	.01	.12	<2	<5	1	<1
L53N 38+50E	5	16	20	1005	.4	55	13	701	2.09	7	9	<2	2	21	5.6	<2	<2	132	.21	.193	7	38	.72	443	.13	<3	2.78	.02	.10	<2	<5	1	1
L53N 39+00E	13	43	26	1171	1.2	131	17	720	3.58	6	16	<2	5	44	5.3	2	4	182	.70	.105	9	31	1.36	170	.12	4	3.83	.02	.15	<2	<5	<1	1
L53N 39+50E	5	24	25	990	.6	87	14	666	2.45	10	8	<2	3	27	7.7	<2	3	100	.27	.199	13	79	.60	672	.14	<3	2.84	.02	.15	<2	<5	1	1
L53N 40+00E	4	29	22	826	.7	68	11	438	2.30	7	12	<2	4	20	4.4	2	3	197	.21	.099	8	47	.78	358	.14	<3	2.99	.02	.12	<2	<5	<1	<1
L53N 40+50E	2	27	18	1262	.5	68	13	880	2.39	6	9	<2	3	26	11.6	<2	3	137	.22	.244	8	51	.64	568	.14	<3	2.62	.02	.11	<2	<5	<1	1
L53N 41+00E	5	40	13	1392	.3	86	13	733	2.95	6	11	<2	4	22	5.5	<2	2	174	.22	.119	11	45	.71	313	.16	<3	3.42	.02	.13	<2	<5	<1	3
L53N 41+50E	8	25	25	1062	.6	41	8	1304	2.26	9	6	<2	4	18	9.8	2	<2	164	.20	.197	7	42	.42	497	.13	<3	2.55	.02	.12	<2	<5	<1	<1
L53N 42+00E	2	59	11	2708	.4	110	13	1552	2.95	8	7	<2	4	27	12.9	<2	16	172	.56	.170	7	42	.90	233	.09	<3	3.87	.02	.15	49	<5	1	6
L53N 42+50E	5	56	11	5210	1.2	221	9	733	2.57	3	22	<2	4	28	18.6	<2	15	158	.55	.120	12	35	.63	175	.13	<3	3.83	.03	.09	<2	<5	<1	2
STANDARD C/AU-S	20	58	37	132	6.3	68	30	1099	3.96	44	17	6	32	47	18.0	15	19	63	.48	.094	36	62	.90	183	.08	25	1.88	.07	.14	11	<5	1	51

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L53N 43+00E	6	44	22	1537	.3	181	13	654	3.48	10	<5	<2	7	25	8.3	<2	9	200	.26	.162	14	38	.75	302	.14	<3	3.50	.01	.15	<2	<5	<1	1
L53N 43+50E	4	55	24	628	<.3	79	12	717	3.53	6	<5	<2	3	30	4.2	<2	<2	151	.34	.128	16	34	.85	300	.14	<3	3.26	.02	.15	5	<5	<1	<1
L53N 44+00E	8	94	19	877	.3	111	18	393	3.78	16	<5	<2	9	19	4.5	<2	10	235	.20	.093	22	40	.81	272	.16	4	4.03	.01	.17	6	<5	1	2
RE L53N 44+00E	7	95	24	883	.3	117	17	394	3.82	11	<5	<2	9	19	5.1	<2	5	237	.20	.092	22	40	.81	274	.16	<3	4.07	.01	.17	5	<5	<1	4
L53N 44+50E	4	38	23	1414	.3	124	13	692	3.11	27	<5	<2	5	32	16.7	<2	2	119	.41	.227	16	25	.45	302	.16	<3	4.21	.03	.11	<2	<5	<1	14
L53N 45+00E	4	22	18	1024	<.3	68	8	482	2.71	13	<5	<2	6	27	11.0	<2	3	123	.29	.308	12	25	.44	300	.14	<3	3.32	.02	.12	<2	<5	<1	<1
L53N 45+50E	3	29	14	1216	.3	84	9	458	2.73	7	<5	<2	5	26	9.4	<2	2	155	.30	.170	15	33	.47	247	.13	3	3.40	.02	.12	<2	<5	<1	1
L53N 46+00E	3	35	14	1148	.3	85	9	677	2.73	9	5	<2	5	30	10.3	<2	7	139	.37	.176	17	33	.56	292	.12	<3	3.73	.02	.16	<2	<5	<1	6
L53N 46+50E	2	23	13	660	<.3	50	8	580	2.29	10	<5	<2	4	28	8.4	<2	<2	82	.31	.379	13	26	.48	320	.12	3	3.02	.03	.13	<2	<5	<1	4
L53N 47+00E	2	26	15	670	.3	54	10	700	2.68	5	<5	<2	6	31	7.1	2	<2	79	.35	.320	17	31	.70	356	.13	4	3.64	.02	.16	<2	<5	1	<1
STANDARD C/AU-S	19	55	36	125	6.0	68	31	1052	3.89	38	16	7	36	50	17.3	18	17	65	.48	.089	39	59	.88	180	.08	26	1.80	.06	.15	9	<5	2	45

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

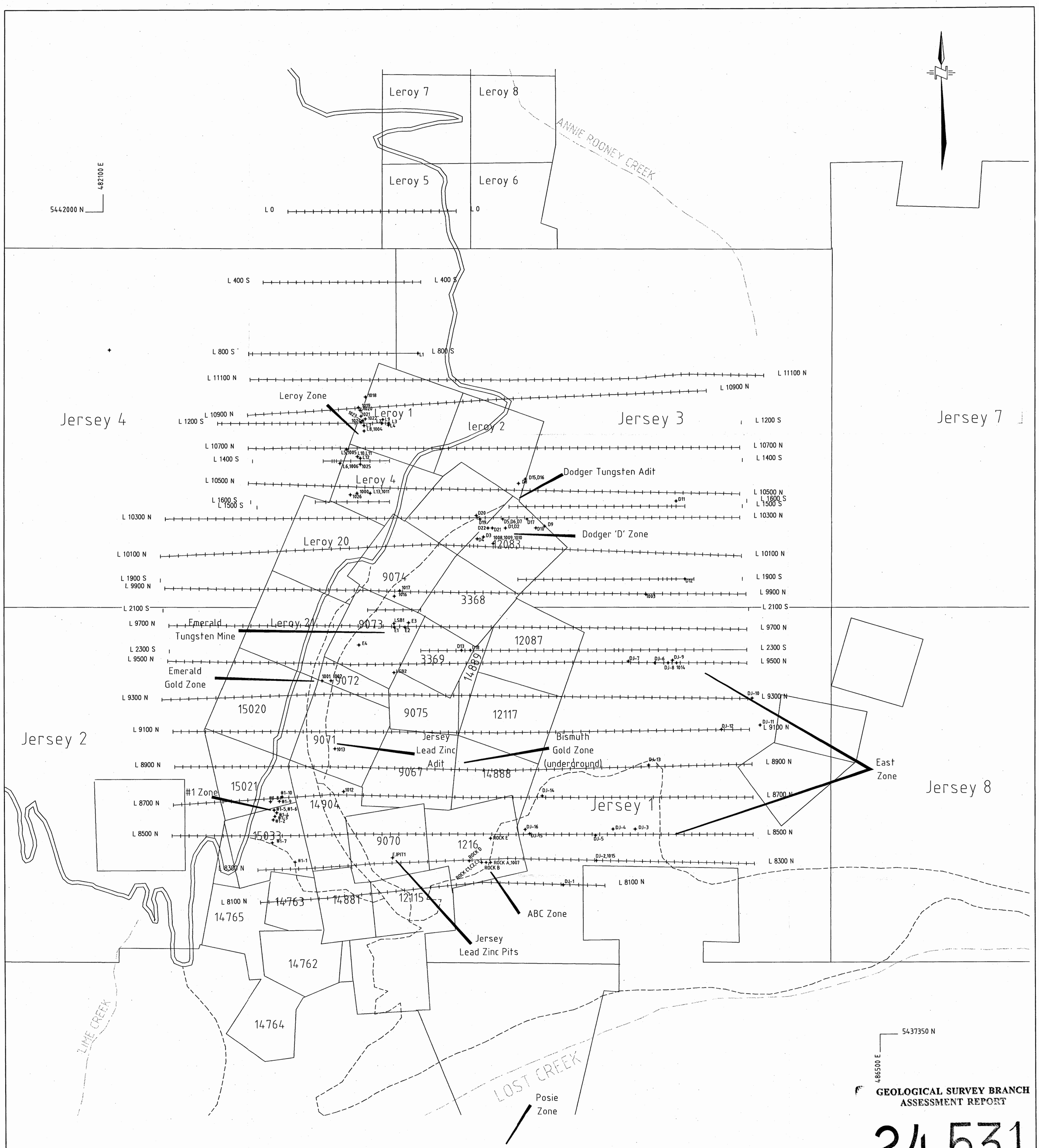
Sultan Minerals PROJECT POSIE File # 95-4581 Page 1

P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5 Submitted by: Linda Dandy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L67N 42+50E	<1	20	24	419	<.3	34	9	780	2.19	10	<5	<2	4	30	2.3	<2	<2	48	.54	.307	5	24	.26	536	.14	4	2.60	.03	.10	<2	<5	<1	3
L67N 43+00E	2	67	20	418	.4	63	13	587	3.04	8	9	<2	4	30	2.9	<2	<2	82	.53	.120	8	16	.33	196	.12	4	3.35	.02	.09	2	<5	<1	2
L67N 43+50E	4	56	20	1515	.6	163	12	214	3.60	4	<5	<2	4	23	7.4	<2	<2	98	.39	.068	7	20	.44	127	.13	<3	3.22	.02	.08	2	<5	1	1
L67N 44+00E	5	117	50	1591	.8	169	23	767	4.42	9	10	<2	6	38	7.9	<2	<2	69	.60	.159	13	18	.39	214	.12	5	3.45	.02	.10	4	<5	<1	3
L67N 44+50E	2	53	21	509	.4	62	13	458	2.94	6	<5	<2	5	22	2.6	<2	<2	61	.30	.155	11	24	.38	237	.13	<3	2.86	.02	.09	2	<5	<1	1
L67N 45+00E	7	95	22	1130	2.5	102	14	256	3.67	8	13	<2	6	22	5.5	<2	<2	121	.22	.214	9	20	.38	175	.14	3	3.83	.02	.08	3	<5	2	2
L67N 45+50E	7	95	24	1640	2.9	156	20	289	4.03	8	16	<2	5	21	4.4	2	<2	223	.23	.141	9	24	.44	186	.14	<3	3.49	.02	.07	2	<5	<1	1
L67N 46+00E	6	68	48	1175	2.5	84	14	499	3.25	11	15	<2	3	20	6.0	<2	<2	267	.28	.337	7	39	.35	395	.10	<3	2.28	.01	.07	2	<5	<1	4
L67N 46+50E	2	44	29	1013	1.8	71	8	283	2.94	6	8	<2	3	16	2.3	<2	<2	236	.22	.236	6	20	.33	224	.14	<3	2.84	.01	.06	2	<5	<1	2
L67N 47+00E	9	100	53	1148	4.7	89	12	250	4.57	11	24	<2	5	27	4.3	<2	<2	332	.33	.511	7	43	.36	461	.15	<3	3.32	.02	.08	2	<5	<1	3
L65N 33+00E	<1	30	132	642	.4	41	12	489	2.59	9	<5	<2	8	21	2.1	2	<2	86	.40	.099	22	38	.64	271	.13	<3	2.78	.02	.18	5	<5	<1	2
L65N 33+50E	3	85	49	869	.8	87	12	301	2.64	11	9	<2	12	18	1.6	2	<2	176	.43	.135	19	43	.86	439	.11	3	2.30	.02	.15	6	<5	<1	4
L65N 34+00E	2	31	44	303	<.3	48	12	345	2.65	11	<5	<2	8	18	1.0	<2	<2	77	.33	.206	14	54	.64	1108	.12	<3	2.94	.02	.15	3	<5	<1	1
L65N 34+50E	2	77	31	333	.6	51	12	364	2.59	6	<5	<2	8	18	1.4	<2	<2	88	.29	.127	18	40	.73	511	.11	<3	2.67	.01	.14	2	<5	<1	2
L65N 35+00E	<1	33	27	649	.5	49	11	660	2.34	10	<5	<2	4	17	3.3	<2	<2	71	.23	.528	6	30	.39	487	.13	<3	3.33	.02	.08	2	<5	<1	1
L65N 35+50E	5	51	36	1234	.5	95	13	776	3.17	15	11	<2	4	32	5.3	2	<2	195	.41	.599	5	38	.64	445	.13	<3	3.34	.02	.10	2	<5	<1	1
L65N 36+00E	1	19	28	453	.4	28	8	877	2.17	9	7	<2	4	24	3.1	<2	<2	57	.32	.375	5	19	.21	254	.15	3	3.04	.02	.07	<2	<5	<1	<1
L65N 36+50E	3	28	86	498	<.3	38	10	664	2.65	10	7	<2	7	19	3.0	<2	<2	65	.31	.236	11	29	.44	287	.15	4	3.45	.02	.11	5	<5	<1	4
L65N 37+00E	2	51	41	431	.5	68	13	387	3.03	9	<5	<2	5	25	1.7	<2	<2	69	.36	.168	12	27	.47	265	.15	3	3.80	.02	.14	2	<5	<1	3
L65N 37+50E	5	247	33	278	4.4	72	10	233	4.58	5	22	<2	8	55	2.0	<2	<2	56	.60	.215	14	38	.26	1198	.18	<3	4.35	.05	.07	<2	<5	<1	2
L65N 38+00E	1	62	42	505	.6	64	14	832	3.04	6	<5	<2	4	32	3.2	<2	<2	51	.55	.260	8	41	.31	1199	.12	<3	3.17	.03	.11	<2	<5	1	1
L65N 38+50E	2	22	28	515	<.3	43	12	638	2.63	7	<5	<2	5	17	1.8	<2	<2	64	.24	.245	10	28	.38	351	.13	3	2.89	.02	.10	2	<5	<1	1
L65N 39+00E	2	21	23	402	<.3	33	10	412	2.42	9	5	<2	5	23	1.5	<2	<2	65	.33	.347	8	25	.32	279	.14	<3	3.06	.03	.10	3	<5	<1	1
L65N 39+50E	7	116	35	1941	.9	110	18	1073	3.47	9	15	<2	2	47	20.8	<2	<2	175	.64	.380	8	41	.44	821	.10	<3	2.72	.02	.10	2	<5	<1	1
RE L65N 39+50E	4	114	32	1927	1.1	110	18	1069	3.43	10	20	<2	3	46	20.4	<2	<2	173	.64	.380	9	40	.44	805	.10	<3	2.70	.02	.11	3	<5	<1	2
L65N 40+00E	1	47	35	1093	<.3	63	12	683	2.51	7	6	<2	4	41	24.4	2	<2	67	.74	.513	9	39	.37	983	.10	5	2.99	.02	.15	3	<5	<1	<1
L65N 40+50E	2	84	21	292	<.3	55	12	671	2.25	6	<5	<2	3	28	2.7	<2	<2	85	.88	.154	12	32	.42	439	.08	<3	2.10	.01	.13	2	<5	<1	2
L65N 41+00E	2	109	15	456	.3	87	14	286	2.50	4	<5	<2	5	21	2.1	<2	<2	96	.59	.253	13	22	.39	253	.08	<3	2.48	.01	.12	2	<5	<1	1
L65N 41+50E	3	101	19	469	.4	83	17	425	3.52	3	9	<2	5	32	3.6	<2	<2	95	.61	.098	10	17	.39	211	.13	3	3.54	.02	.09	3	<5	2	1
L65N 42+00E	5	135	36	444	.8	93	23	1288	3.90	8	5	<2	3	59	4.4	<2	<2	60	1.12	.228	10	23	.34	440	.08	3	2.66	.02	.09	2	<5	<1	1
L65N 42+50E	5	164	28	1148	1.5	136	18	909	4.14	10	7	<2	4	57	12.6	<2	<2	92	1.73	.186	22	25	.62	210	.09	4	2.76	.03	.12	2	<5	2	2
L65N 43+00E	7	173	37	1441	4.8	167	18	387	3.72	12	14	<2	5	25	6.4	<2	<2	234	.40	.236	16	43	.53	591	.11	<3	3.22	.01	.12	3	<5	<1	2
L65N 43+50E	8	74	29	1090	2.0	152	17	844	4.05	8	17	<2	4	48	7.5	3	<2	183	.44	.204	11	33	.41	571	.15	<3	4.16	.02	.11	3	<5	1	1
L65N 44+00E	11	119	40	1420	4.0	146	22	822	4.81	11	19	<2	3	81	9.1	<2	<2	239	.83	.371	10	42	.52	800	.09	4	3.30	.01	.11	3	<5	<1	1
L65N 44+50E	5	85	53	1377	3.2	127	19	603	3.53	10	10	<2	3	66	11.7	<2	<2	115	.62	.233	13	34	.45	451	.11	3	3.06	.02	.14	5	<5	<1	3
STANDARD C/AU-S	20	57	39	125	6.2	71	33	1102	3.86	44	20	7	37	50	18.1	17	19	60	.50	.089	39	60	.89	187	.08	26	1.86	.06	.15	11	<5	2	50

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

DATE RECEIVED: NOV 9 1995 **DATE REPORT MAILED:** Nov 14/95 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS


Leroy 7
Leroy 8
Leroy 5
Leroy 6
ANNIE ROONEY CREEK
482100 E
5442000 N
L 0
L 0
L 400 S
L 400 S
L 800 S
L 800 S
L1
L 11100 N
L 11100 N
L 10900 N
L 10900 N
Leroy Zone
Leroy 1
leroy 2
Jersey 4
Jersey 3
Jersey 7
L 1200 S
L 1200 S
L 10700 N
L 10700 N
L 1400 S
L 1400 S
Leroy 4
Dodger Tungsten Adit
L 10500 N
L 10500 N
L 1600 S
L 1500 S
L 1600 S
L 1500 S
L 10300 N
L 10300 N
Leroy 20
Dodger 'D' Zone
12083
L 10100 N
L 10100 N
9074
L 1900 S
L 9900 N
3368
L 1900 S
L 9900 N
L 2100 S
L 2100 S
Emerald
Tungsten Mine
Leroy 21
9073
L 9700 N
L 9700 N
12087
L 2300 S
L 9500 N
3369
14889
L 2300 S
L 9500 N
Emerald
Gold Zone
9072
L 9300 N
L 9300 N
15020
9075
12117
L 9100 N
L 9100 N
Jersey
Lead Zinc
Adit
Bismuth
Gold Zone
(underground)
9071
East
Zone
L 8900 N
L 8900 N
9067
14888
Jersey 2
Jersey 8
#1 Zone
15021
L 8700 N
L 8700 N
14904
Jersey 1
15033
9070
1216
L 8500 N
L 8500 N
L 8300 N
L 8300 N
ABC Zone
L 8100 N
L 8100 N
14763
14881
12115
14765
Jersey
Lead Zinc Pits
14762
14764
LIME CREEK
LOST CREEK
Posie
Zone
5437350 N
486500 E
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,531
200 0 200 400 600
METERS
SULTAN MINERALS INC.
JERSEY PROPERTY
ROCK SAMPLE LOCATION MAP, JERSEY GRID
NELSON MINING DIVISION
NTS: 82F/03E
MAP 7
DATE: APRIL 1996

NOTE: L0, 400S, 800S,
1200S, 1400s & 1600S
CONSTIUTE THE
LEROY GRID

NOTE: L 1500S, 1900S & 2300S
CONSTITUTE THE
DODGER GRID

482100 E
5442000 N

Leroy 7
Leroy 8
Leroy 5
Leroy 6
ANNIE ROONEY CREEK

L 0
L 400 S
L 800 S
L 11100 N
L 10900 N
L 1200 S
L 10700 N
L 1400 S
L 10500 N
L 1600 S
L 1500 S
L 10300 N
L 10100 N
L 1900 S
L 9900 N
L 2100 S
L 9700 N
L 2300 S
L 9500 N
L 9300 N
L 9100 N
L 8900 N
L 8700 N
L 8500 N
L 8300 N
L 8100 N

Jersey 4
Jersey 3
Jersey 7
Jersey 2
Jersey 8
Jersey 1

Leroy 1
leroy 2
Leroy 4
Leroy 20
Leroy 21

12083
9074
3368
9073
12087
3369
14889
9072
15020
9075
12117
9071
9067
14888
15021
14904
15033
9070
1216
14763
14881
12115
14765
14762
14764

LIME CREEK
LOST CREEK

5437350 N
486500 E

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531

200 0 200 400 600
METERS

SULTAN MINERALS INC.
JERSEY PROPERTY

JERSEY GRID LOCATION MAP

NELSON MINING DIVISION
NTS: 82F/03E

MAP 8 DATE: APRIL 1996

14762

14764

485100 N

5437075 N

LOST CREEK

L 6900 N

L 6900 N

L 6700 N

L 6700 N

Bluejay 1

L 6500 N

L 6500 N

L 6300 N

L 6300 N

Bluejay 2

L 6100 N

L 6100 N

Jersey 6

Jersey 5

L 5900 N

L 5900 N

L 5700 N

L 5700 N

L 5500 N

L 5500 N

L 5300 N

L 5300 N

L 5100 N

L 5100 N

L 4900 N

L 4900 N

L 4700 N

L 4700 N

Posie 1

L 4500 N

L 4500 N

SALMO RIVER

WILSON CREEK

5433475 N

482575 E

200 0 200 400 600
METERS

SULTAN MINERALS INC.

POSIE PROPERTY

POSIE GRID LOCATION MAP

NELSON MINING DIVISION
NTS: 82F/03E

MAP 9 DATE: APRIL 1996

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442000N — 5441500N — 5441000N — 5440500N — 5440000N — 5439500N — 5439000N — 5438500N — 5438000N — 5437500N

L 0 L 400 S L 800 S L 11100 N L 10900 N L 1200 S L 10700 N L 1400 S L 10500 N L 1600 S L 1500 S L 10300 N L 10100 N L 1900 S L 9900 N L 2100 S L 9700 N L 2300 S L 9500 N L 9300 N L 9100 N L 8900 N L 8700 N L 8500 N L 8300 N L 8100 N

2500E 3000E 4000E 5000E 6000E

NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

LEGEND

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(metres)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
GOLD & SILVER POSTINGS
IN PPB & PPM RESPECTIVELY

Map No. 10 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442000N — 5441500N — 5441000N — 5440500N — 5440000N — 5439500N — 5439000N — 5438500N — 5438000N — 5437500N

L 0 L 0

L 400 S L 400 S

L 800 S L 800 S

L 11100 N L 11100 N

L 10900 N L 10900 N

L 1200 S L 1200 S

L 10700 N L 10700 N

L 1400 S L 1400 S

L 10500 N L 10500 N

L 1600 S L 1500 S L 1800 S L 1500 S

L 10300 N L 10300 N

L 10100 N L 10100 N

L 1900 S L 1900 S

L 9900 N L 9900 N

L 2100 S L 2100 S

L 9700 N L 9700 N

L 2300 S L 2300 S

L 9500 N L 9500 N

L 9300 N L 9300 N

L 9100 N L 9100 N

L 8900 N L 8900 N

L 8700 N L 8700 N

L 8500 N L 8500 N

L 8300 N L 8300 N

L 8100 N L 8100 N

L 6100 N

2500E 3000E 4000E 5000E 6000E

NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

LEGEND

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(metres)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
ARSENIC& BISMUTH POSTINGS
IN PPM RESPECTIVELY

Map No. 11 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442000N — 5441500N — 5441000N — 5440500N — 5440000N — 5439500N — 5439000N — 5438500N — 5438000N — 5437500N

L 0 L 400 S L 800 S L 11100 N L 10900 N L 1200 S L 10700 N L 1400 S L 10500 N L 1600 S L 1500 S L 10300 N L 10100 N L 1900 S L 9900 N L 2100 S L 9700 N L 2300 S L 9500 N L 9300 N L 9100 N L 8900 N L 8700 N L 8500 N L 8300 N L 8100 N

LEGEND

Pb Pb

Cu Cu

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(metres)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY

NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID

COPPER & LEAD POSTINGS
IN PPM RESPECTIVELY

Map No. 12 Processed: May 1996

Processed by: PETER E. WALCOTT & ASSOC. LTD.

NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442500N

5442000N — 5442000N

5441500N — 5441500N

5441000N — 5441000N

5440500N — 5440500N

5440000N — 5440000N

5439500N — 5439500N

5439000N — 5439000N

5438500N — 5438500N

5438000N — 5438000N

5437500N — 5437500N

L 0 L 0

L 400 S L 400 S

L 800 S L 800 S

L 11100 N L 11100 N

L 10900 N L 10900 N

L 1200 S L 1200 S

L 10700 N L 10700 N

L 1400 S L 1400 S

L 10500 N L 10500 N

L 1600 S L 1600 S

L 1500 S L 1500 S

L 10300 N L 10300 N

L 10100 N L 10100 N

L 1900 S L 1900 S

L 9900 N L 9900 N

L 2100 S L 2100 S

L 9700 N L 9700 N

L 2300 S L 2300 S

L 9500 N L 9500 N

L 9300 N L 9300 N

L 9100 N L 9100 N

L 8900 N L 8900 N

L 8700 N L 8700 N

L 8500 N L 8500 N

L 8300 N L 8300 N

L 8100 N L 8100 N

2500E 3000E 4000E 5000E 6000E

NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

LEGEND

Cd Cd
Zn Zn

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
ZINC & CADMIUM POSTINGS
IN PPM RESPECTIVELY

Map No. 13 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442500N

5442000N — L 0 L 0 — 5442000N

L 400 S L 400 S

5441500N — 5441500N

L 800 S L 800 S

L 11100 N L 11100 N

L 10900 N L 10900 N

5441000N — 5441000N

L 1200 S L 1200 S

L 10700 N L 10700 N

L 1400 S L 1400 S

L 10500 N L 10500 N

5440500N — 5440500N

L 1600 S L 1600 S

L 1500 S L 1500 S

L 10300 N L 10300 N

L 10100 N L 10100 N

5440000N — 5440000N

L 1900 S L 1900 S

L 9900 N L 9900 N

L 2100 S L 2100 S

L 9700 N L 9700 N

L 2300 S L 2300 S

5439500N — 5439500N

L 9500 N L 9500 N

L 9300 N L 9300 N

L 9100 N L 9100 N

5439000N — 5439000N

L 8900 N L 8900 N

L 8700 N L 8700 N

5438500N — 5438500N

L 8500 N L 8500 N

L 8300 N L 8300 N

L 8100 N L 8100 N

5438000N — 5438000N

2500E 3000E 4000E 5000E 6000E

5437500N — 5437500N

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

N

LEGEND

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

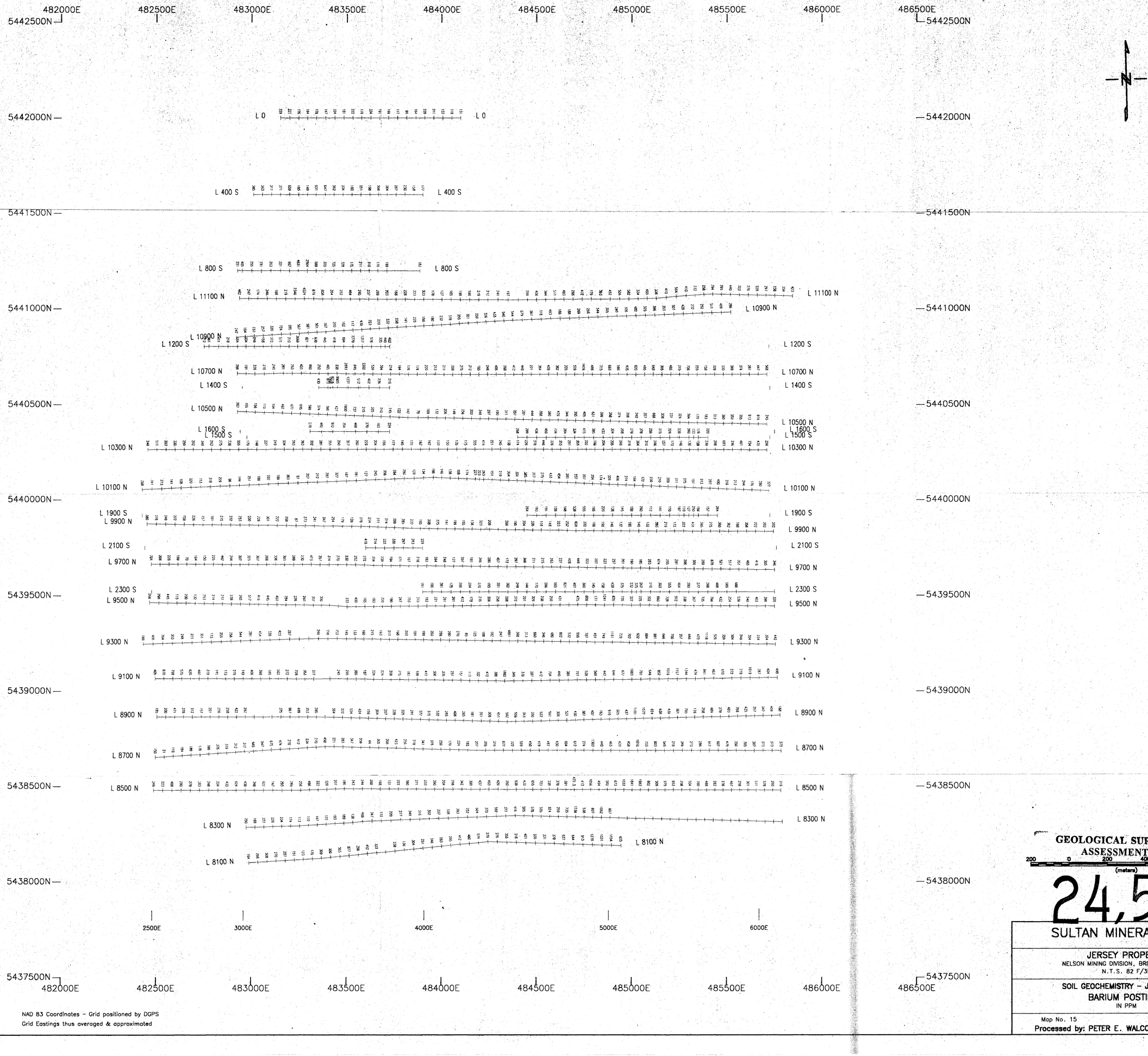
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
MOLYBDENUM & TUNGSTEN POSTINGS
IN PPM RESPECTIVELY

Map No. 14 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
BARIUM POSTINGS
IN PPM

Map No. 15 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N

5442000N

5441500N

5441000N

5440500N

5440000N

5439500N

5439000N

5438500N

5438000N

5437500N

L 0 L 0

L 400 S L 400 S

L 800 S L 800 S

L 11100 N L 11100 N

L 10900 N L 10900 N

L 1200 S L 1200 S

L 10700 N L 10700 N

L 1400 S L 1400 S

L 10500 N L 10500 N

L 1600 S L 1600 S

L 1500 S L 1500 S

L 10300 N L 10300 N

L 10100 N L 10100 N

L 1900 S L 1900 S

L 9900 N L 9900 N

L 2100 S L 2100 S

L 9700 N L 9700 N

L 2300 S L 2300 S

L 9500 N L 9500 N

L 9300 N L 9300 N

L 9100 N L 9100 N

L 8900 N L 8900 N

L 8700 N L 8700 N

L 8500 N L 8500 N

L 8300 N L 8300 N

L 8100 N L 8100 N

2500E 3000E 4000E 5000E 6000E

NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

LEGEND

GOLD PLOT
(PPB)

- 2.5 to 5.0
- 5.0 to 10.0
- 10.0 to 20.0
- 20.0 to 30.0
- 30.0 to 50.0
- >50.0

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
GOLD PLOTS & SILVER CONTOURS
1.0 PPM CONTOURS

Map No. 16 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

482000E 482500E 483000E 483500E 484000E 484500E 485000E 485500E 486000E 486500E

5442500N — 5442000N — 5441500N — 5441000N — 5440500N — 5440000N — 5439500N — 5439000N — 5438500N — 5438000N — 5437500N

L 0 L 0

L 400 S L 400 S

L 800 S L 800 S

L 11100 N L 11100 N

L 10900 N L 10900 N

L 1200 S L 1200 S

L 10700 N L 10700 N

L 1400 S L 1400 S

L 10500 N L 10500 N

L 1600 S L 1600 S

L 1500 S L 1500 S

L 10300 N L 10300 N

L 10100 N L 10100 N

L 1900 S L 1900 S

L 9900 N L 9900 N

L 2100 S L 2100 S

L 9700 N L 9700 N

L 2300 S L 2300 S

L 9500 N L 9500 N

L 9300 N L 9300 N

L 9100 N L 9100 N

L 8900 N L 8900 N

L 8700 N L 8700 N

L 8500 N L 8500 N

L 8300 N L 8300 N

L 8100 N L 8100 N

2500E 3000E 4000E 5000E 6000E

NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

LEGEND

BISMUTH PLOT
(PPM)

- 3 to 5
- 5 to 10
- 10 to 16
- 16 to 25
- 25 to 40
- >40

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

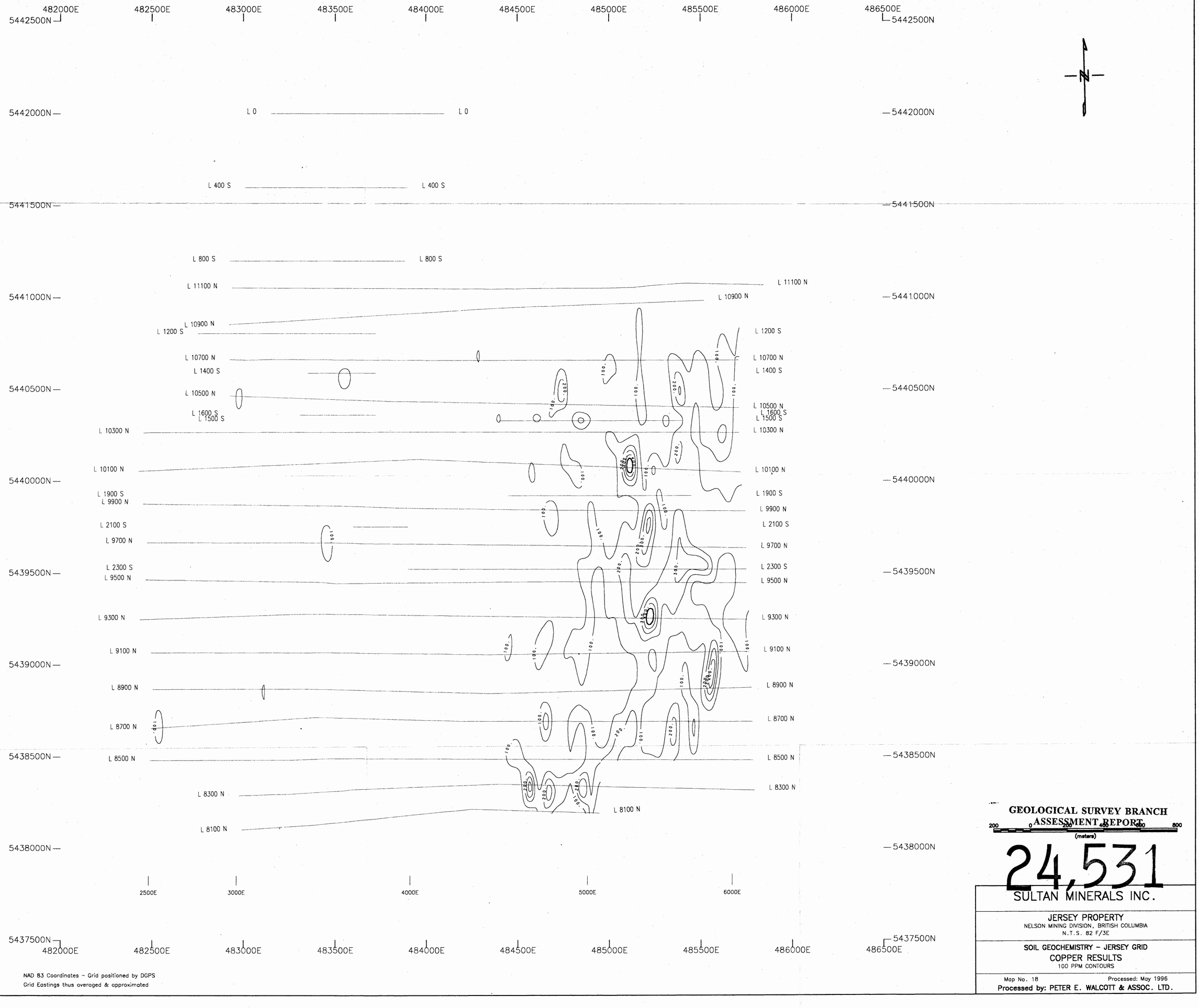
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
BISMUTH PLOTS & ARSENIC CONTOURS
1.0 PPM CONTOURS

Map No. 17 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

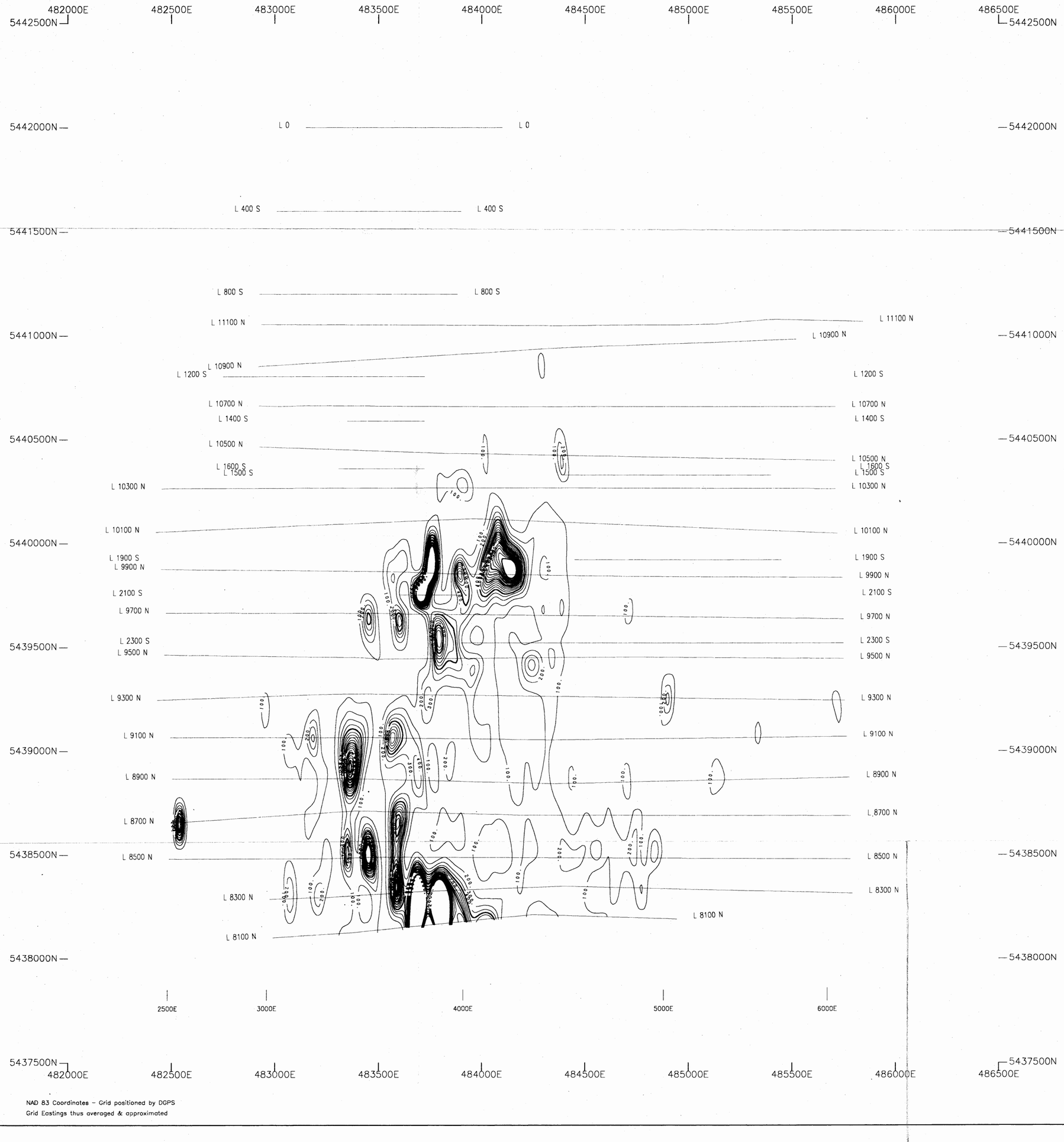
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
COPPER RESULTS
100 PPM CONTOURS

Map No. 18 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

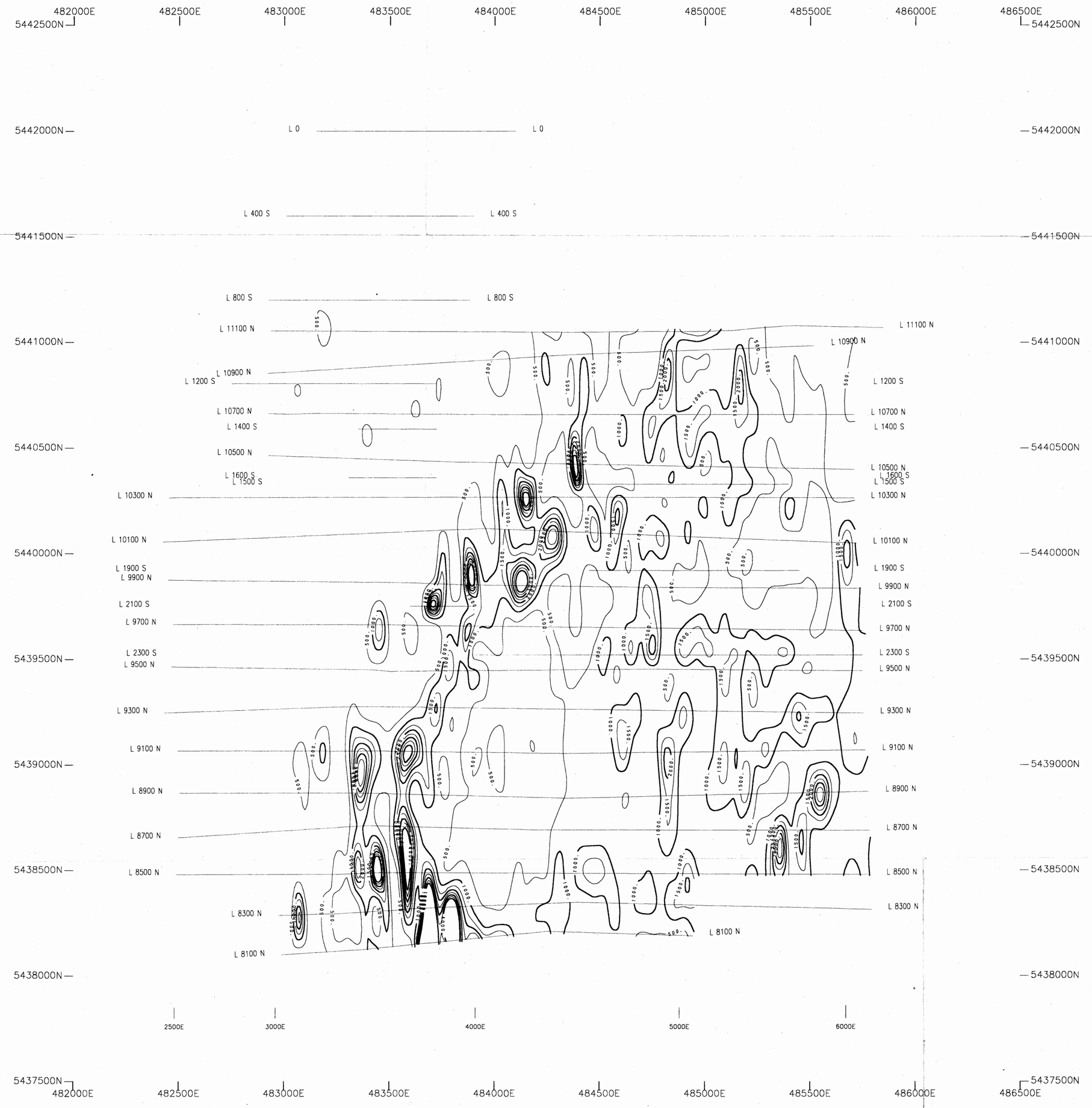
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
LEAD RESULTS
100 PPM CONTOURS

Map No. 19 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800 (meters)

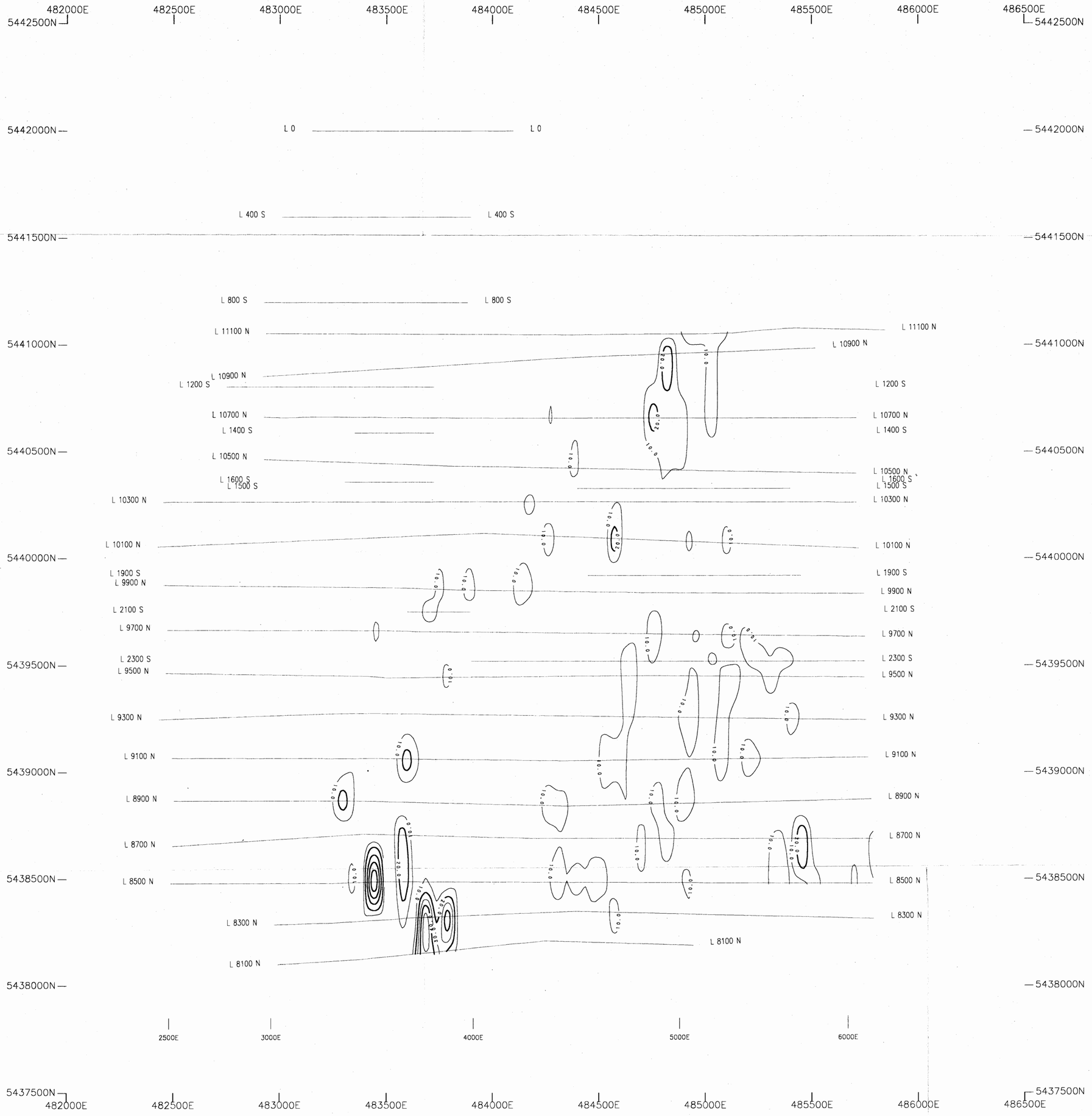
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
ZINC RESULTS
500 PPM CONTOURS

Map No. 20 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

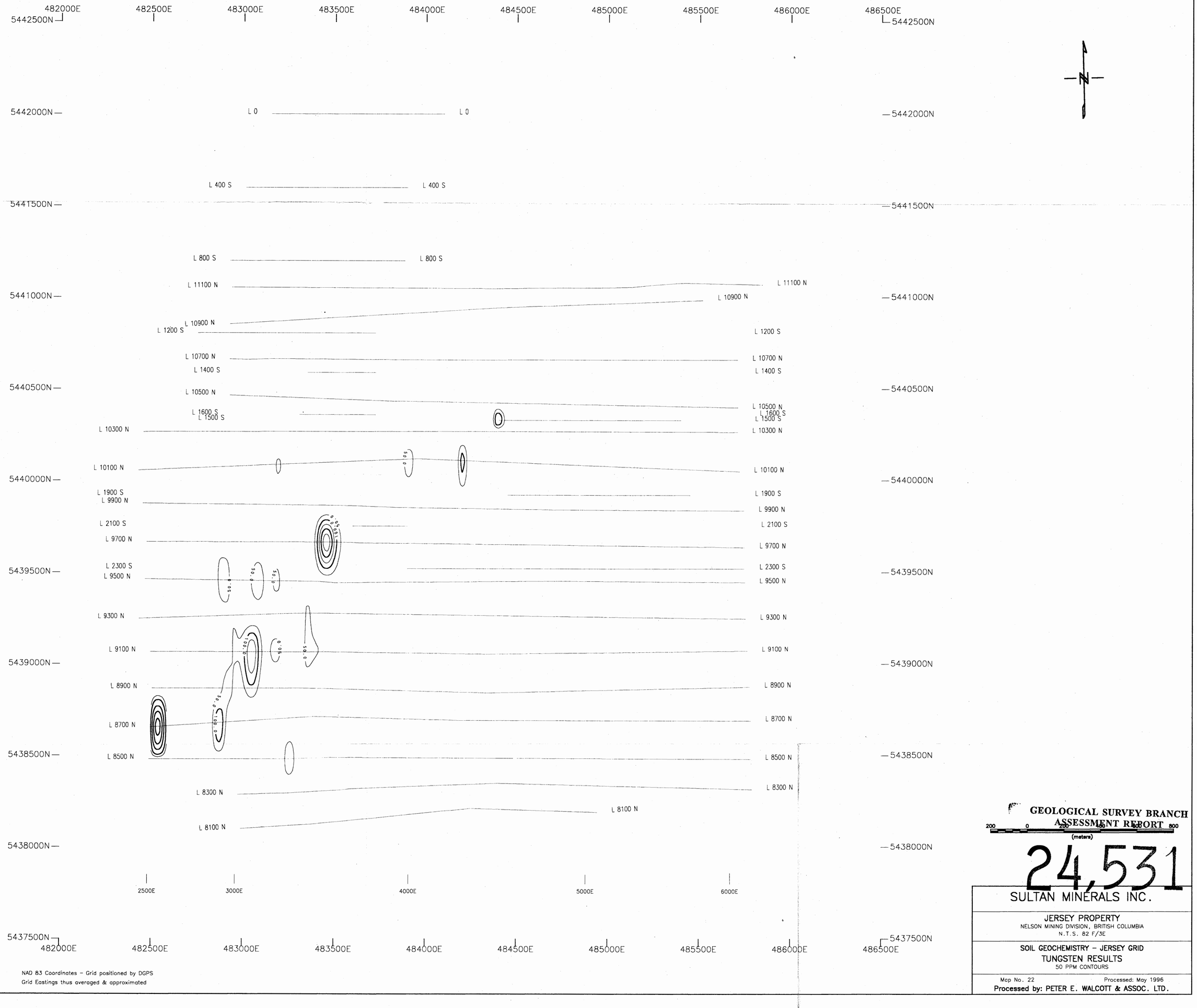
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - JERSEY GRID
CADMIUM RESULTS
10 PPM CONTOURS

Map No. 21 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

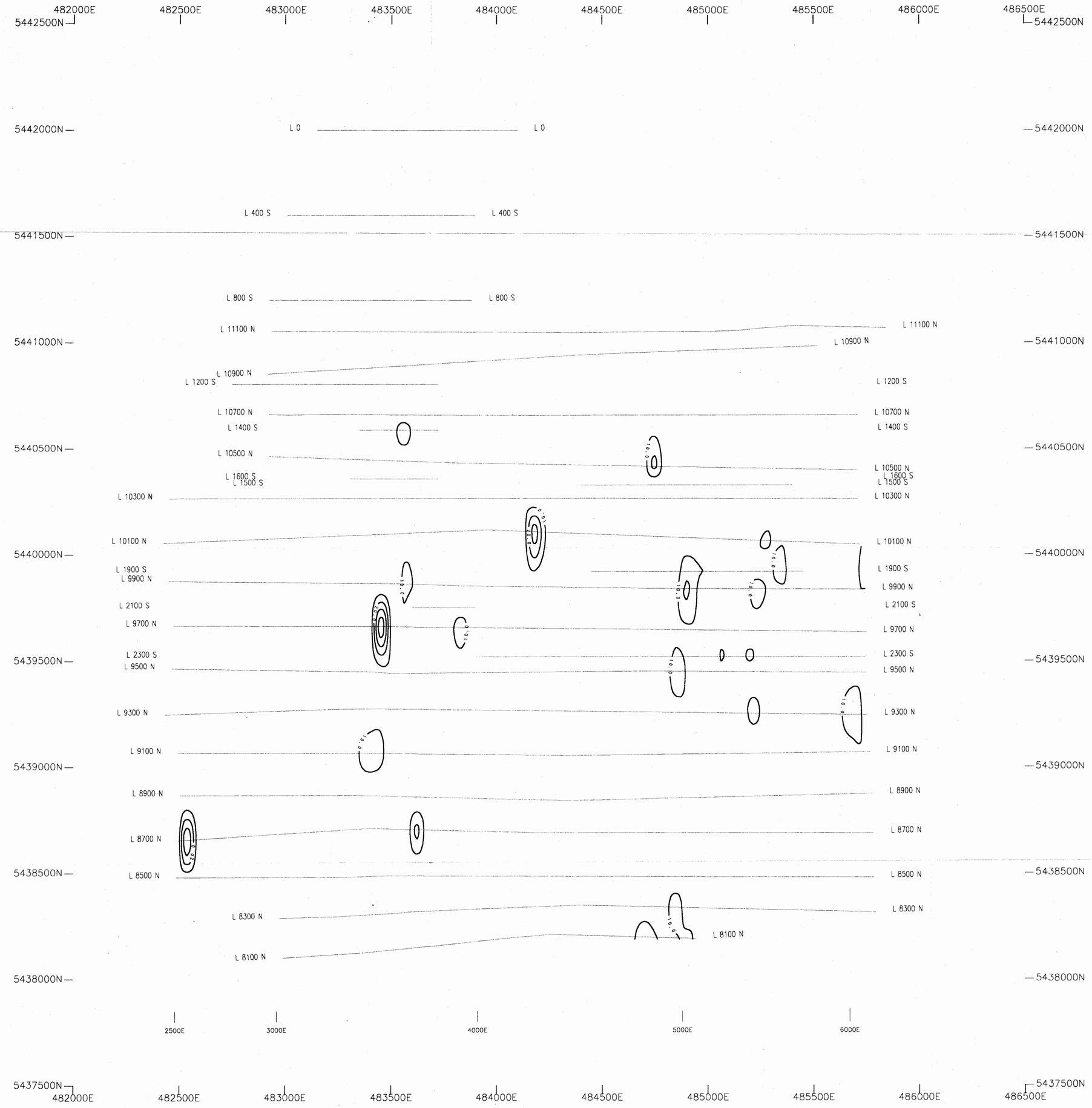
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
TUNGSTEN RESULTS
50 PPM CONTOURS

Map No. 22 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

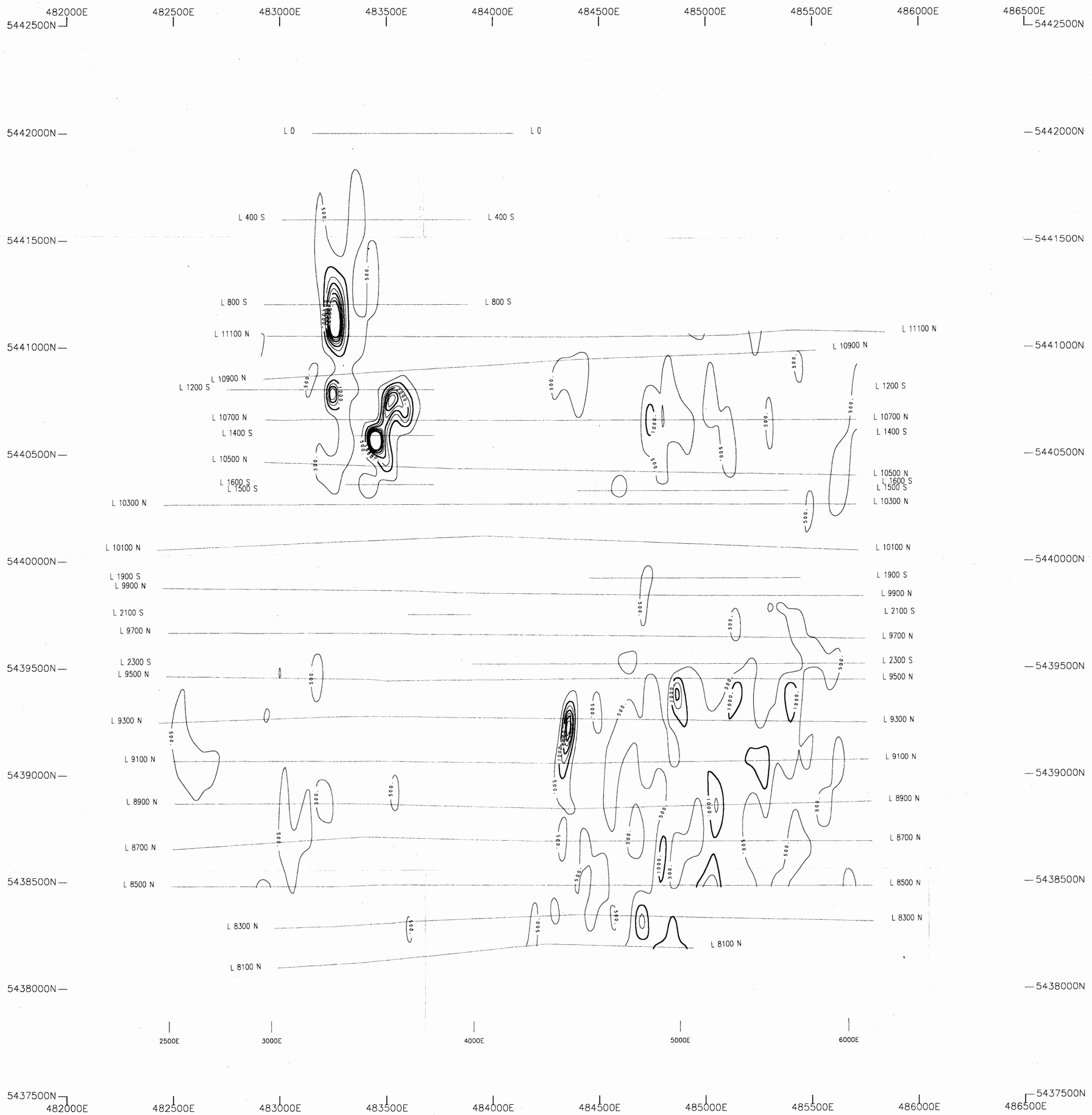
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
MOLYBDENUM RESULTS
10 PPM CONTOURS

Map No. 23 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

200 0 200 400 600 800
(meters)

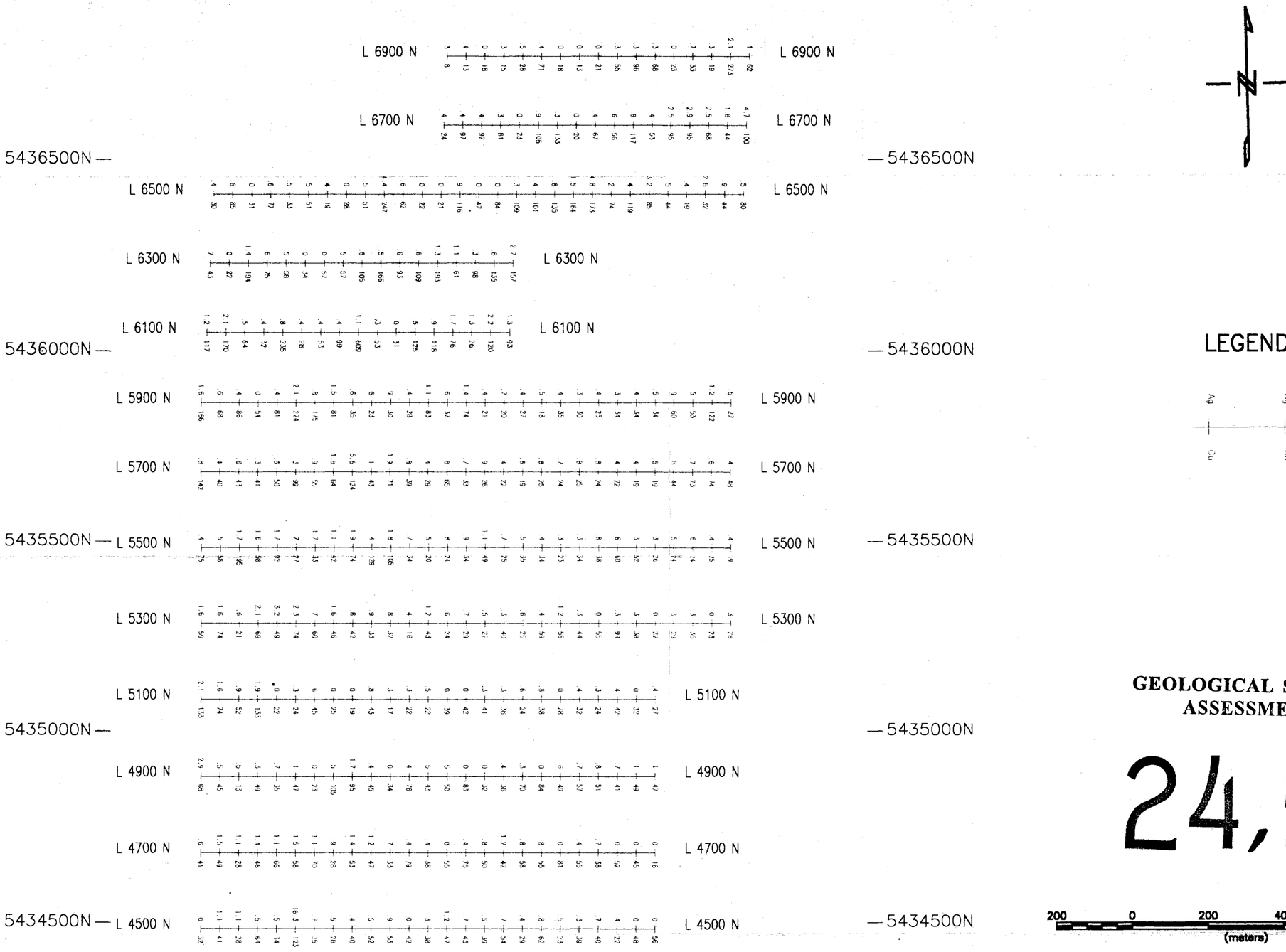
24,531

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – JERSEY GRID
BARIUM RESULTS
500 PPM CONTOURS

Map No. 24 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



LEGEND

Ag / Cu

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531

200 0 200 400 600 800
(meters)

NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

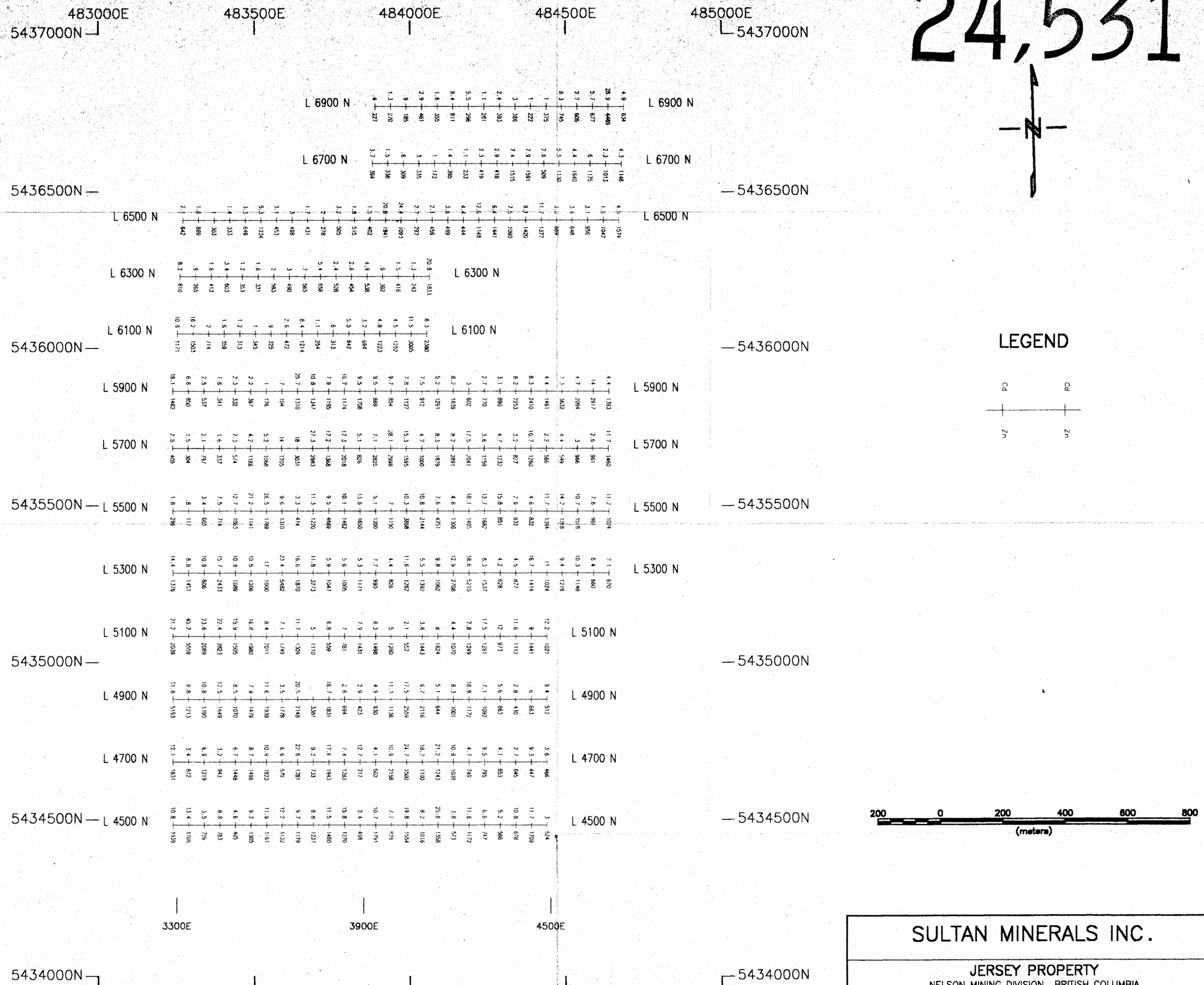
SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – POSIE GRID
COPPER & SILVER POSTINGS
IN PPM RESPECTIVELY

Map No. 25 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

24,531



LEGEND

Cd / Zn

200 0 200 400 600 800
(meters)

NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

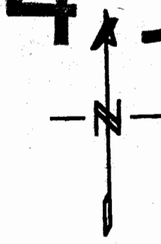
JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

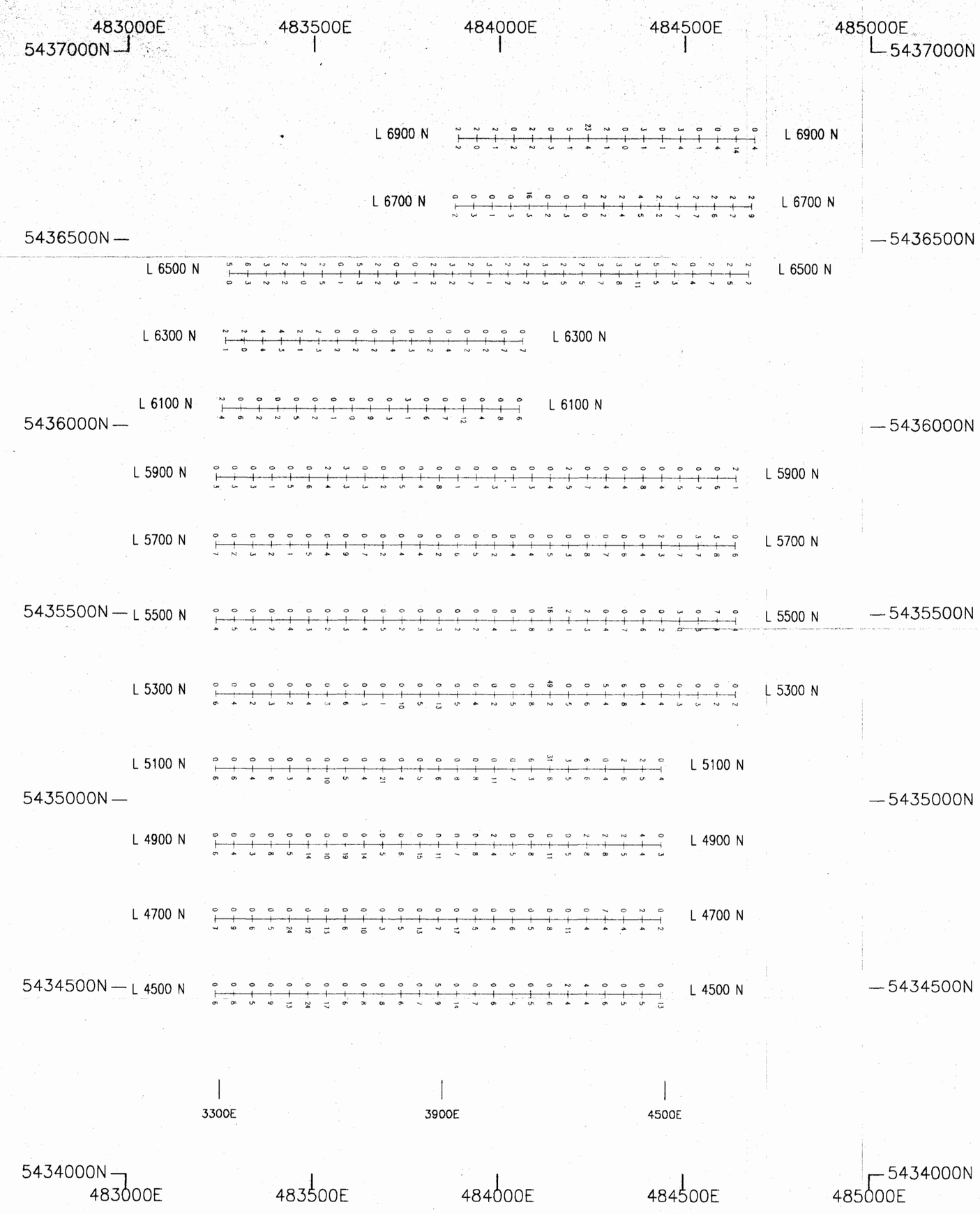
SOIL GEOCHEMISTRY - POSIE GRID
ZINC & CADMIUM POSTINGS
IN PPM RESPECTIVELY

Map No. 26 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

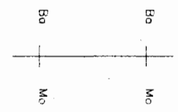
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

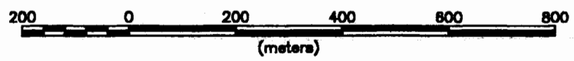
24,531





LEGEND





NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

JERSEY PROPERTY

NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – POSIE GRID

BARIUM & MOLYBDENUM POSTINGS

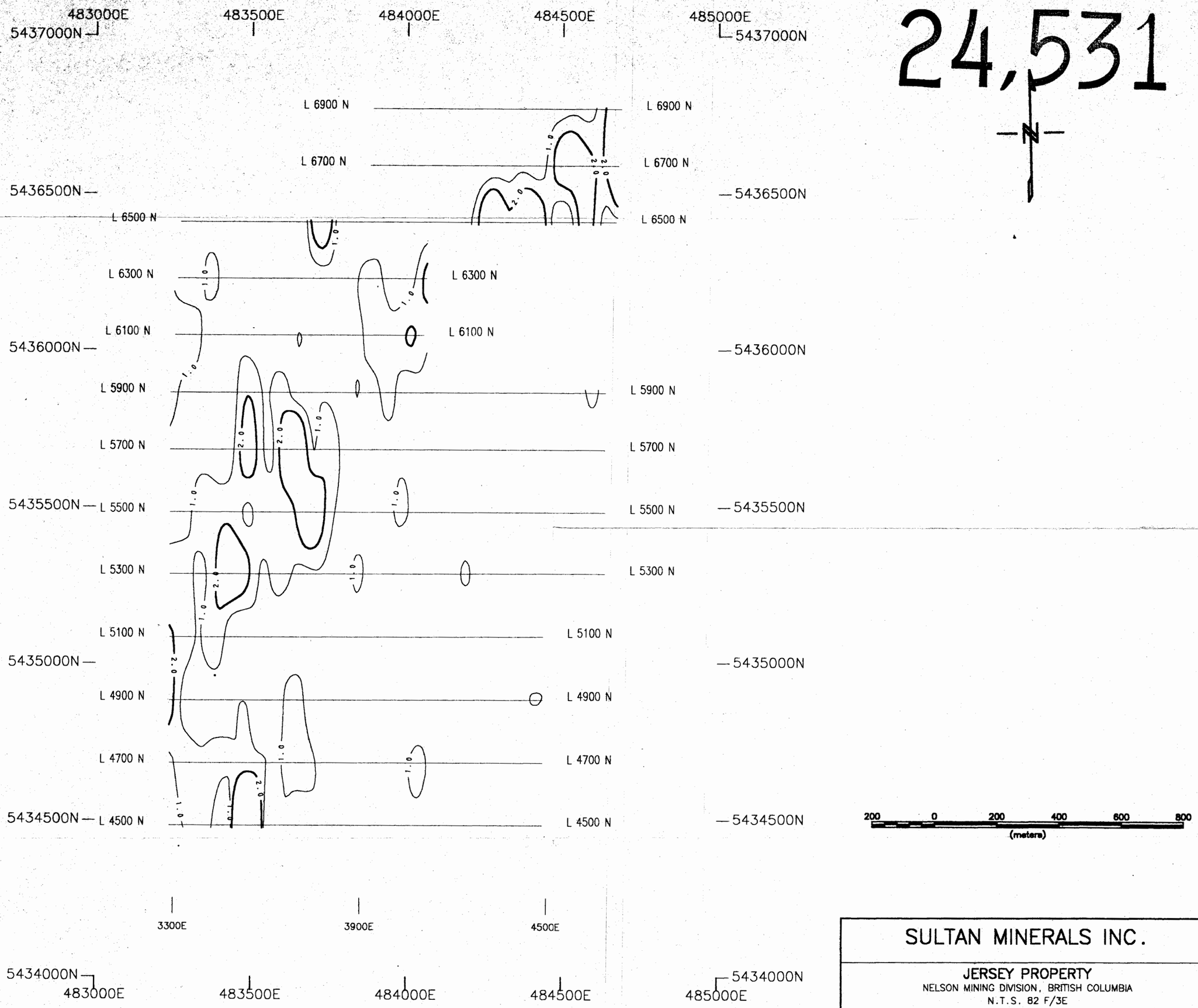
IN PPM RESPECTIVELY

Map No. 27 Processed: May 1996

Processed by: PETER E. WALCOTT & ASSOC. LTD.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

JERSEY PROPERTY

NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - POSIE GRID

SILVER RESULTS

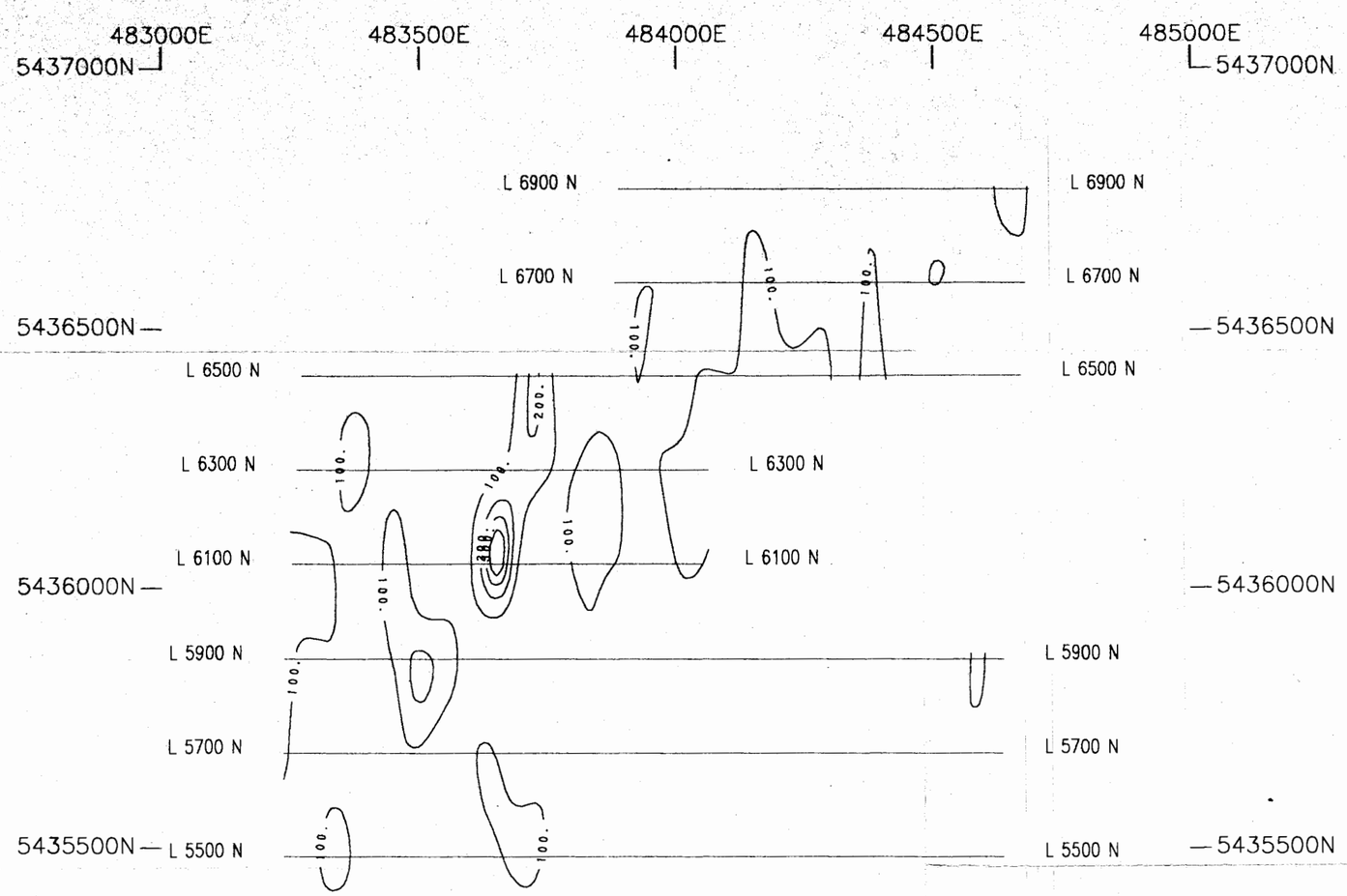
1.0 PPM CONTOURS

Map No. 28 Processed: May 1996

Processed by: PETER E. WALCOTT & ASSOC. LTD.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531



200 0 200 400 600 800
(meters)

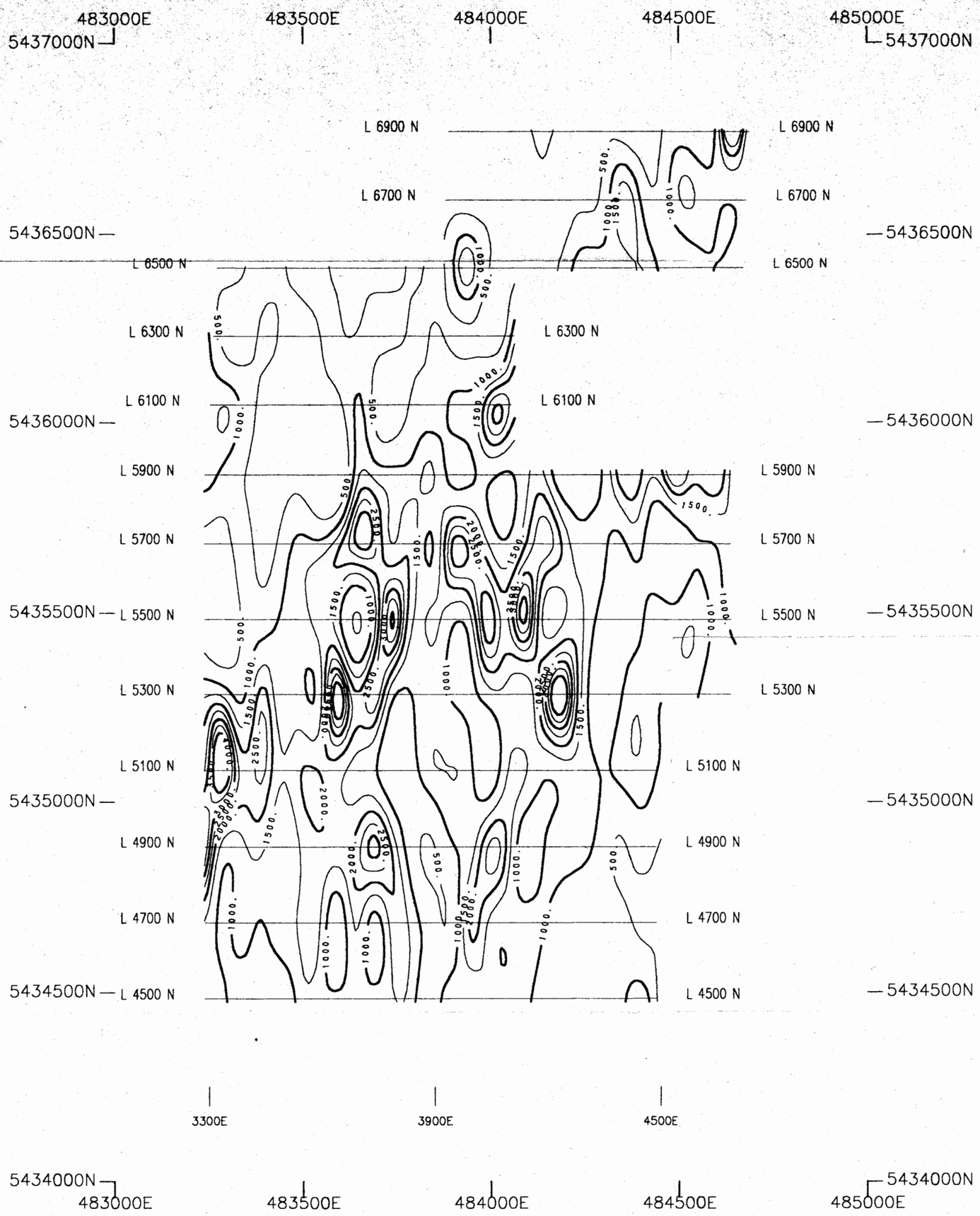
NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – POSIE GRID
COPPER RESULTS
100 PPM CONTOURS

Map No. 29 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

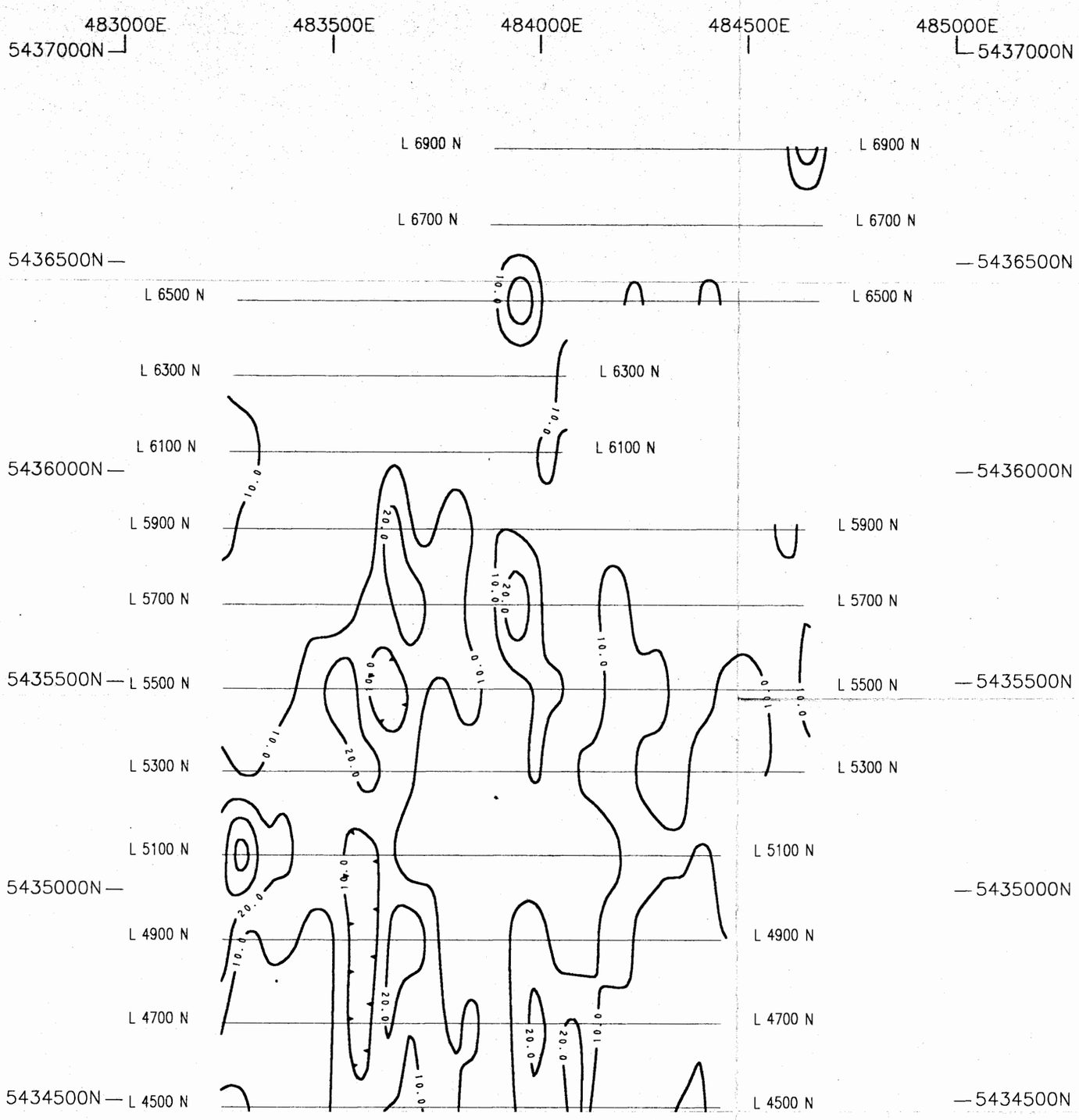
JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - POSIE GRID

ZINC RESULTS
500 PPM CONTOURS

Map No. 30 Processed: May 1996

Processed by: PETER E. WALCOTT & ASSOC. LTD.



NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

JERSEY PROPERTY

NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - POSIE GRID
CADMIUM RESULTS
10 PPM CONTOURS

Map No. 31 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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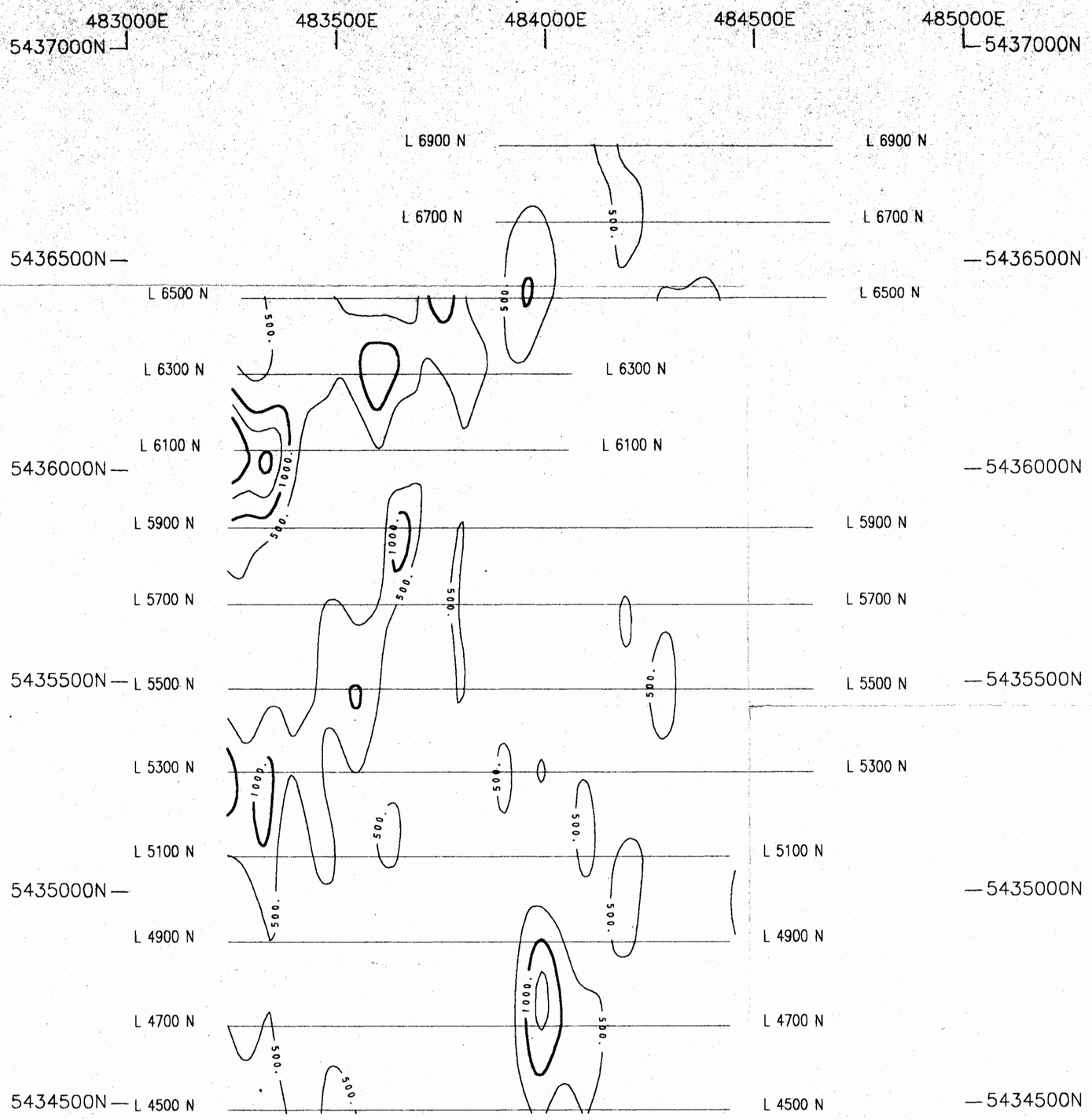


200 0 200 400 600 800
(meters)

NAD 83 Coordinates - Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

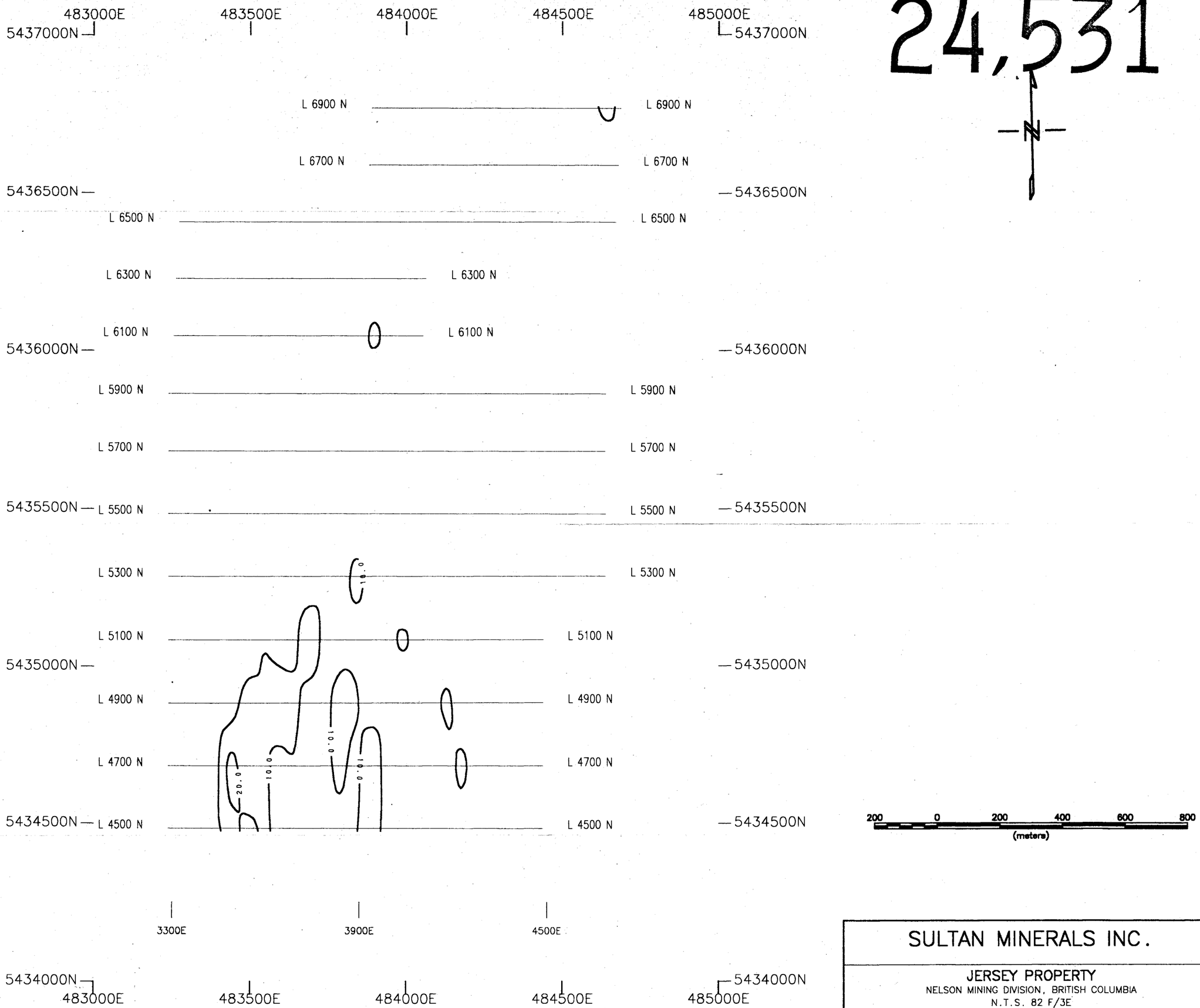
JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY - POSIE GRID
BARIUMM RESULTS
500 PPM CONTOURS

Map No. 32 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531



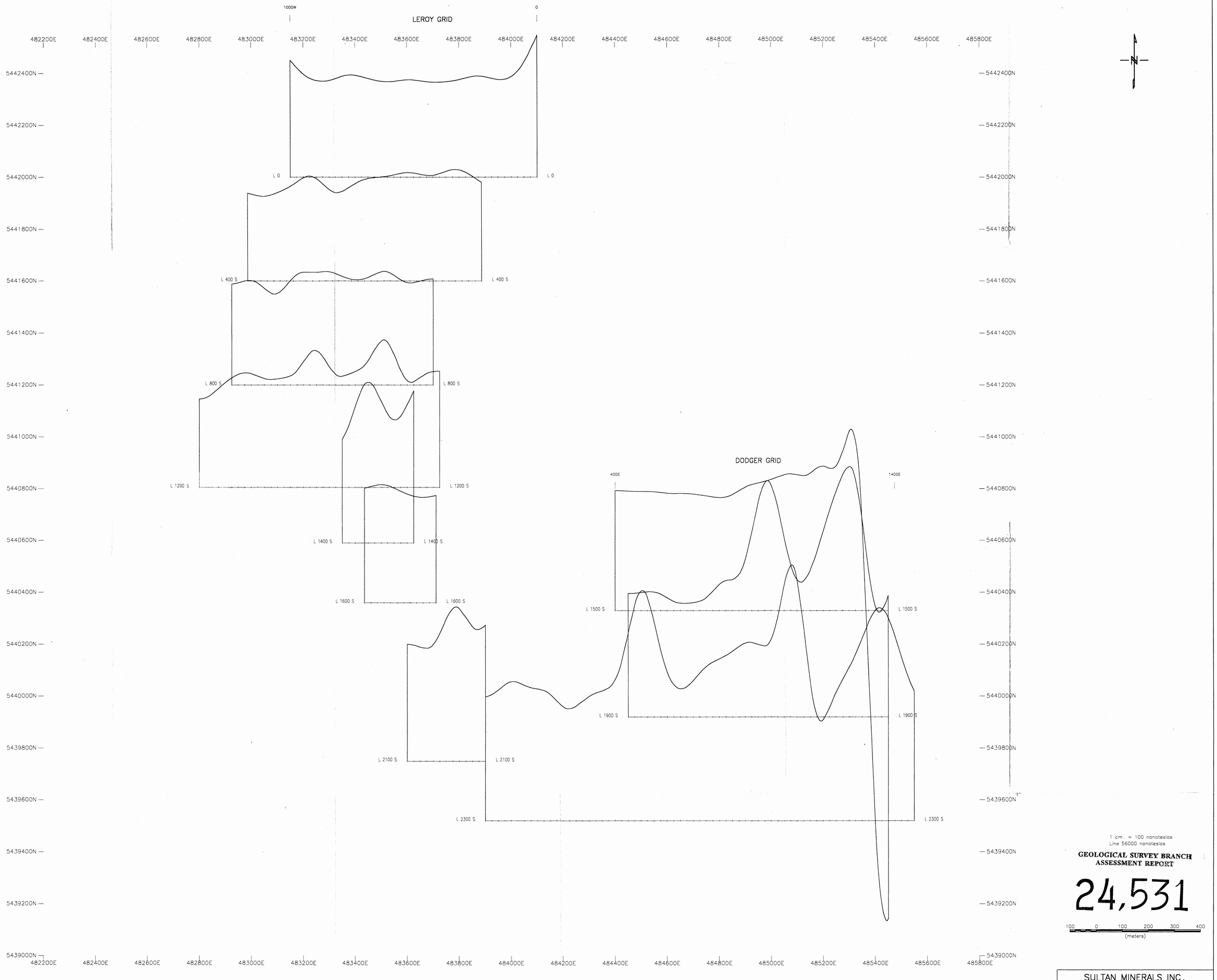
NAD 83 Coordinates – Grid positioned by DGPS
Grid Eastings thus averaged & approximated

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

SOIL GEOCHEMISTRY – POSIE GRID
MOLYBDENUM RESULTS
10 PPM CONTOURS

Map No. 33 Processed: May 1996
Processed by: PETER E. WALCOTT & ASSOC. LTD.



1 cm. = 100 nanoteslas
Line 56000 nanoteslas

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531

100 0 100 200 300 400
(meters)

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

MAGNETOMETER SURVEY - JERSEY GRID
PROFILES OF FILTERED TOTAL FIELD INTENSITY
IN NANOTESLAS

Map No. 34 Processed: March 1996
PETER E. WALCOTT & ASSOC. LTD.

LEROY GRID

DODGER GRID

1000W

0

400E

1400E

482200E 482400E 482600E 482800E 483000E 483200E 483400E 483600E 483800E 484000E 484200E 484400E 484600E 484800E 485000E 485200E 485400E 485600E 485800E

5442400N
5442200N
5442000N
5441800N
5441600N
5441400N
5441200N
5441000N
5440800N
5440600N
5440400N
5440200N
5440000N
5439800N
5439600N
5439400N
5439200N
5439000N

L 0
L 400 S
L 800 S
L 1200 S
L 1400 S
L 1600 S
L 1500 S
L 1900 S
L 2100 S
L 2300 S

Add 50000 nT to posted values

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,531

100 0 100 200 300 400
(meters)

SULTAN MINERALS INC.

JERSEY PROPERTY
NELSON MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82 F/3E

MAGNETOMETER SURVEY - JERSEY GRID
POSTINGS OF TOTAL FIELD INTENSITY
IN NANOTESLAS

Map No. 35 Processed: March 1996

PETER E. WALCOTT & ASSOC. LTD.