SULTAN MINERALS INC
JERSEY PROJECT
1996
VOL. 1 OF 3

GEOLOGICAL, GEOCHEMICAL AND DIAMOND DRILL REPORT ON THE JERSEY-EMERALD PROPERTY

NELSON MINING DIVISION, B.C.

NTS 82F/03

ON BEHALF OF

SULTAN MINERALS INC.

BY

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

FEBRUARY 1997

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

OPERATOR: SULTAN MINERALS INC.

OWNER: SULTAN MINERALS INC.

CONSULTANTS: P & L GEOLOGICAL SERVICES, ARCHEAN ENGINEERING LTD., E.A. LAWRENCE CONSULTING LTD.

P & L GEOLOGICAL SERVICES, RR#1, S4, C20, TELKWA, B.C. V0J 2X0 PHONE 250-846-9242 FAX 250-846-9210

GEOLOGICAL, GEOCHEMICAL AND DIAMOND DRILL REPORT ON THE JERSEY-EMERALD PROPERTY NELSON MINING DIVISION, B.C.

SUMMARY

The Jersey-Emerald Property is a road accessible multi-element prospect located approximately 10 kilometres south of the town of Salmo in southeastern British Columbia. The property encompasses the former Jersey, Emerald and Dodger lead, zinc and tungsten mines operated by Placer Dome from 1947 to 1973.

During 1996, an exploration program consisting of soil and silt sampling, geological mapping, prospecting, rock sampling and diamond drilling was carried out on the property for the purpose of confirming and better delineating mineralized areas identified by previous work.

The majority of 1996 diamond drill holes were concentrated on two targets: the Bismuth/Emerald Gold Zones (located along both the east and west flanks of the Jersey lead-zinc deposit); and the Lower Jersey lead-zinc bearing dolomite horizon.

The **Bismuth/Emerald Gold Zones** have been confirmed by drill intersections along strike lengths of nearly 200 metres (Bismuth Gold Zone) and 600 metres (Emerald Gold Zone). The Bismuth Gold Zone appears to be approximately 9 metres thick and grades about 2 g/t Au, while the Emerald Gold Zone is about one metre wide with an average grade of 10 g/t Au. Narrower widths often have higher gold values. Research of the old mine data (including recent computer modelling of over 2500 drill holes) shows that the Bismuth Gold Zone extends for about 1300 metres. Additional diamond drilling along these gold bearing trends is recommended.

The **Lower Jersey Horizon** was originally identified during the fall of 1996 by researching old mine data (drill logs and plotted sections), where occasional deep drill holes had intersected the favourable dolomite host rock, in places containing lead-zinc mineralization. At the end of the field season, three of the 1996 drill holes confirmed the presence of the Lower Jersey Horizon, and follow up drilling along cross sectional lines is recommended for 1997.

The Blackrock South lead-zinc showing, the Leroy Gold Zone and the East Ridge copper-silver-zinc geochemical anomalies were drilled with limited success in 1996. One hole into the **Blackrock South** showing indicated that the mineralization is faulted off at a fairly shallow depth, therefore cutting possible tonnages considerably. Two drill holes into the **Leroy Gold Zone** indicate

that the mineralization seen in surface trenches pinches out dramatically at depth to become non-existent. Three drill holes established to test the **East Ridge Zone** (previous known as the Iron Mountain Zone) returned 80 metre widths of low grade zinc (.14%), copper (.04%) and silver (2.5 g/t). Recommended prospecting and sampling farther to the east on newly acquired ground, where the mineralized argillite approaches the granitic contact, is anticipated to host higher concentrations of mineralization.

Two soil sampling grids, the **Jersey and Posie Grids**, established on the property in 1995 were extended during 1996, with infill samples taken over anomalous areas. Also, four new soil grids were sampled during 1996 and have given indications of previously unknown mineralization.

Four soil sampling lines extended for two kilometres to the east of the Jersey Grid comprise the **Jersey Extension Grid.** Spotty anomalous values occur near sediment-granite contact and represents the eastern extension of the East Ridge Zone.

To the north of Sheep Creek, the **Aspen Grid** shows spotty gold values up to 84 ppb, and a significant 800 metre long silver geochemical anomaly near the west edge of the grid, containing silver values to 8.4 ppm. Also north of Sheep Creek is the **Salmo Consolidated Grid**, which outlines a coincident lead and silver anomaly in the vicinity of the old Salmo Consolidated workings, and a very significant gold anomaly trending northeasterly up the hill from these workings. The gold geochemical anomaly is 800 metres long with gold values up to 205 ppb. Rock grab samples from waste rock piles, collected during the course of soil sampling on the Salmo Consolidated Grid, returned values up to 4% lead, 2.5% zinc, 180 g/t silver and 2.6 g/t gold. The anomalies found on the Aspen and Salmo Consolidated Grids required better definition with infill sampling at 100 metre x 25 metre spacings, followed by prospecting, geological mapping and rock chip sampling of geochemically important areas. Where access permits, excavator trenching will better expose mineralized outcrops for sampling.

To the south of the Jersey Mine area, the **Tungsten King Grid** was established to attempt to trace the Jersey lead-zinc and associated gold mineralization south from the mine site. Near the centre of the grid, in an area of favourable dolomitic limestones and skarn rocks, are several spotty lead and zinc anomalies. This is adjacent to an anomalous zone of arsenic with occasional associated gold values. Thick overburden in the lower parts of this area affects soil sample results. Rock samples collected while mapping or soil sampling returned values up to 16% zinc, 4% lead, 11 g/t gold, and 134 g/t silver. Excavator trenching is recommended in areas of little outcrop. The network of old mine access roads will allow easy access for trenching.

Farther south, across Lost Creek, the **Posie Grid** was extended to the west to cover the Truman Hill and Trillion showings. On the Posie portion of the grid, very high zinc, copper and silver geochemical anomalies occur. These are located within black argillites similar to those from the East Ridge Zone. To the west, on the Truman Hill - Trillion part of the grid, soil anomalies for lead, zinc and silver are coincident over limited areas. Gold values are spotty throughout the Posie/Truman Hill Grid. Rock samples collected from the Truman Hill - Trillion area returned values up to 2.5% lead, 8% zinc, and 59 g/t silver. Excavator trenching is recommended for 1997 to expose fresh outcrops to sample for their concentrations of zinc, copper and silver in argillites and lead, zinc and silver in limestone/dolomite.

Prospecting covered two other significant showings during 1996. Along the east side of the property, on the **Summit claims**, limestones containing narrow bands of lead-zinc mineralization returned some very spectacular gold and silver values. The best lead-zinc grab samples returned 8% lead and 4% zinc and the best precious metal values were 104 g/t silver and 59 g/t gold. This area requires prospecting, geological mapping, rock chip sampling and excavator trenching, followed by diamond drilling of the best targets. In the extreme southeast corner of the property, the **United Verde** workings returned significant values from grab samples, up to 2.5% lead, 5.5% zinc, 96 g/t silver and 0.24 g/t gold. In 1997, additional work over the United Verde area will consist of soil and rock chip sampling, prospecting and geological mapping.

TABLE OF CONTENTS

FIGURES AND TABLES

FIGURES AND TABLES - continued

GEOLOGICAL, GEOCHEMICAL AND DIAMOND DRILL REPORT ON THE JERSEY-EMERALD PROPERTY NELSON MINING DIVISION, B.C.

1.0 INTRODUCTION

The Jersey-Emerald Property contains numerous polymetallic prospects located in the West Kootenays of southeastern British Columbia. The property encompasses the former Jersey, Emerald and Dodger lead, zinc and tungsten mines operated by Placer Dome from 1947 to 1973.

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 Figure 1). The Jersey-Emerald Property covers an area of approximately 40 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 Hidden Creek and on the south by the South Salmo River (see Figure 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, along both sides of Sheep Creek to the centre of the property, from Highway 6 which is situated along the west edge of the property. To access the south portion of the 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 Tungsten King area 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 slumping allows only foot or 4 wheel all-terrain vehicle access to the claims.

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 47 crown granted, 60 two-post, and 15 four-post (278 units) mineral claims, comprising approximately 4000 hectares in the Nelson Mining Division (see Figure 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
MASTADON	1070	T.K. #1 FR.	14766
NELLIE J	1071	HILLSIDE	14881
KING ALFRED	3368	BIG DICK	14882
KING SOLOMON	3369	VICTOR FR.	14888
JERSEY	9070	REX FR.	14889
GOLD STANDARD	9071	COPPERFIELD	14890
STANDARD FR.	9072	HAL NO. 1	15020
EMARAL	9073	HAL NO. 2	15021
EMERALD FR.	9074	SUNSHINE NO. 2	15033
MORNING	9075	DEN FR.	15040
SUNSHINE	9076	DEN #1 FR.	15041
DODGER	12083	ALFIE	15091
PICKWICK	12087	TUNGSTEN KING	15092
ROYAL CANADIAN	12115	TUNGSTEN KING #2	15093
LAST CHANCE	12116	TUNGSTEN KING #1	15094
MARK TAPLEY	12117	TUNGSTEN KING #3	15095
BONCHEER	12686	TUNGSTEN KING #4	15096
JUMBO 2	12688	TUNGSTEN KING #5	15097

CLAIM NAME	LOT NUMBER	CLAIM NAME	LOT NUMBER
COMET	14761	TUNGSTEN KING #7	15098
CONTRACT	14762	T.K. #8 FR.	15099
CALCITE	14763	LF 9	15696
STAN FR.	14764	LF 10	15697
SCOTT FR.	14765	LF 11	15698

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	LEROY 20	336232	1	MAY 24
JERSEY 6	325270	12	MAY 01	LEROY 21	336233	1	MAY 24
JERSEY 7	342202	20	NOV 22	MV 1	325259	1	APR 23
JERSEY 8	342203	16	NOV 22	MV 2	325260	1	APR 23
JERSEY 9	348180	16	JUL 12	MV 3	325261	1	APR 23
JERSEY 10	348181	20	JUL 17	MV 4	325262	1	APR 24
JERSEY 11	348182	20	JUL 17	SUMIT	233462	1	SEP 22
JERSEY 12	348183	18	JUL 16	SUMIT 1	347849	1	JUN 30
JERSEY 13	349901	18	AUG 23	SUMIT 2	347850	1	JUN 30
JERSEY 14	349902	18	AUG 23	SUMIT 3	347851	1	JUN 30
LEROY N 1	330366	1	AUG 21	SUMIT 4	347852	1	JUN 30
LEROY N 2	330367	1	AUG 21	POSIE 1	329070	20	JUL 25
LEROY N 3	330368	1	AUG 21	GULLY	331986	1	OCT 22
LEROY N 4	330369	1	AUG 21	HANGOVER	331985	1	OCT 22
LEROY N 5	330370	1	AUG 21	LOST GOLD	324439	9	MAR 19
LEROY N 6	330371	1	AUG 21	J 11	348178	1	JUL 13
LEROY N 7	330372	1	AUG 21	J 12	348179	1	JUL 13
LEROY N 8	330373	1	AUG 21	J 14	349449	1	AUG 5
J 1	348168	1	JUL 18	J 15	349451	1	AUG 5
J 2	348169	1	JUL 18	J 16	349452	1	AUG 5
J 3	348170	1	JUL 18	J 17	349453	1	AUG 5
J 4	348171	1	JUL 18	J 18	349903	1	AUG 20
J 5	348172	1	JUL 18	J 19	349904	1	AUG 20
J 6	348173	1	JUL 13	J 20	349905	1	AUG 20
J 7	348174	1	JUL 13	J 21	349906	1	AUG 20
J 8	348175	1	JUL 13	J 22	349907	1	AUG 20
J 9	348176	1	JUL 13	J 23	349908	1	AUG 20
J 10	348177	1	JUL 13				

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 mine remained closed 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 Lloyd Addie and Bob Bourdon, both of Nelson, B.C. These former 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 1993, Sultan Minerals Inc. acquired the property and undertook an exploration program that entailed ground and airborne geophysical surveys, prospecting and rock chip sampling. Several targets were identified and believed to have potential for economic 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 a stratiform gold bearing horizon 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 (now known as the Lower Jersey Horizon).

During the summer of 1995, a geochemical survey was done over the centre of the property and several large anomalous zones for Au, Ag, Cu, Pb, Zn, Cd, Bi, As, W, Mo, and Ba were outlined. A geochemical survey over the Posie claim to the south also gave very good anomalies in Ag, Cu, Zn, Cd, Mo and Ba. Prospecting and rock sampling done during the course of the soil survey identified a number of mineralized outcrops.

1.5 WORK DONE BY SULTAN MINERALS INC. IN 1996

From April to November 1996, prospecting, soil sampling on six grid areas, rock chip and grab sampling, detailed geological mapping and diamond drilling (both surface and underground) were done on the property. A six person crew working out of the town of Salmo, plus several contractors, completed the work program.

JERSEY GRID - Originally surveyed during 1995, 722 infill soil samples were taken during 1996, over previously defined anomalous areas at 100 metre line spacings and 25 metre sample intervals. In highly anomalous areas, where mineralized outcrops were encountered, prospecting and rock chip sampling were done as part of the detailed soil program. 146 rock samples were collected from the Jersey Grid area.

POSIE-TRUMAN HILL GRID - In 1996, the previously sampled Posie Grid was extended to the north and west to cover the Truman Hill and Trillion showings, as well as infill sampling in anomalous areas on the Posie portion of the grid. A total of 337 soil samples were taken on the Posie-Truman Hill Grid, and 10 rock samples collected during the course of soil sampling.

TUNGSTEN KING GRID - Between the Jersey and Posie-Truman Hill Grids, the Tungsten King Grid was emplaced. 397 soil samples were collected at wide spaced intervals, with more detailed sampling in areas of interesting mineralization. Deep overburden at lower elevations may mask some of the soil results. 23 rock samples were collected during the course of soil sampling.

JERSEY EXTENSION GRID - Late in 1996, the Jersey Grid was extended for two kilometres to the east along 4 lines. A total of

164 soil samples, 5 silt samples and 9 rock samples were collected on this grid.

SALMO CONSOLIDATED GRID - North of Sheep Creek, between Nugget and Hedgehog Creeks, on the Salmo Consolidated Grid 206 soil samples and 4 silt samples were collected. 29 rock chip and grab samples were collected from waste rock dumps at the old Salmo Consolidated workings, from trenches and from mineralized outcrops.

ASPEN GRID - North of Sheep Creek and east of Aspen Creek, three grid lines, from which 85 soil samples and 7 silt samples were taken, comprise the Aspen Grid. Four rock grab samples were collected from pyritic outcrops during the soil sampling program.

EAST RIDGE GEOLOGICAL MAPPING - On the eastern portion of the Jersey grid (previously identified as the Iron Mountain Zone) detailed geological mapping and structural analysis was done on the argillite and carbonate units on the East Ridge, at a scale of 1:2,500.

NORTH DODGER GEOLOGICAL MAPPING - In the vicinity of the Dodger 4400 and 4600 adits, where the *Jersey Mine D(?) zone* lead-zinc mineralization comes to surface, detailed geological mapping was done at a scale of 1:2,000.

EMERALD PIT, TUNGSTEN KING, TRUMAN HILL GEOLOGICAL MAPPING - During 1996, geological mapping was done in the vicinity of the mineralized workings at Emerald Pit (at 1:250 scale), at Tungsten King (including Tungsten King South) (at 1:2000 scale), and at *Truman Hill* - Trillion (at 1:2000 scale).

DIAMOND DRILL PROGRAM - Gold mineralization was intersected in three underground drill holes (UG96-1 to 3) into the Bismuth Gold Zone, and two surface holes G96-3 (Emerald Gold Zone) and G96-5 (Bismuth Gold Zone). One drill hole tested the Blackrock South lead-zinc zone (Z96-1) and two holes tested the Leroy Gold Zone (G96-1 and 2). Three drill holes bi-sected the copper-zinc-silver geochemical anomaly in the East Ridge Zone (Z96-2 to 4). Four drill holes tested extensions of the Jersey Lead-Zinc Deposit and intersected the Lower Jersey Horizon (Z96-5 to 8).

SULTAN MINERALS INC.

JERSEY PROPERTY

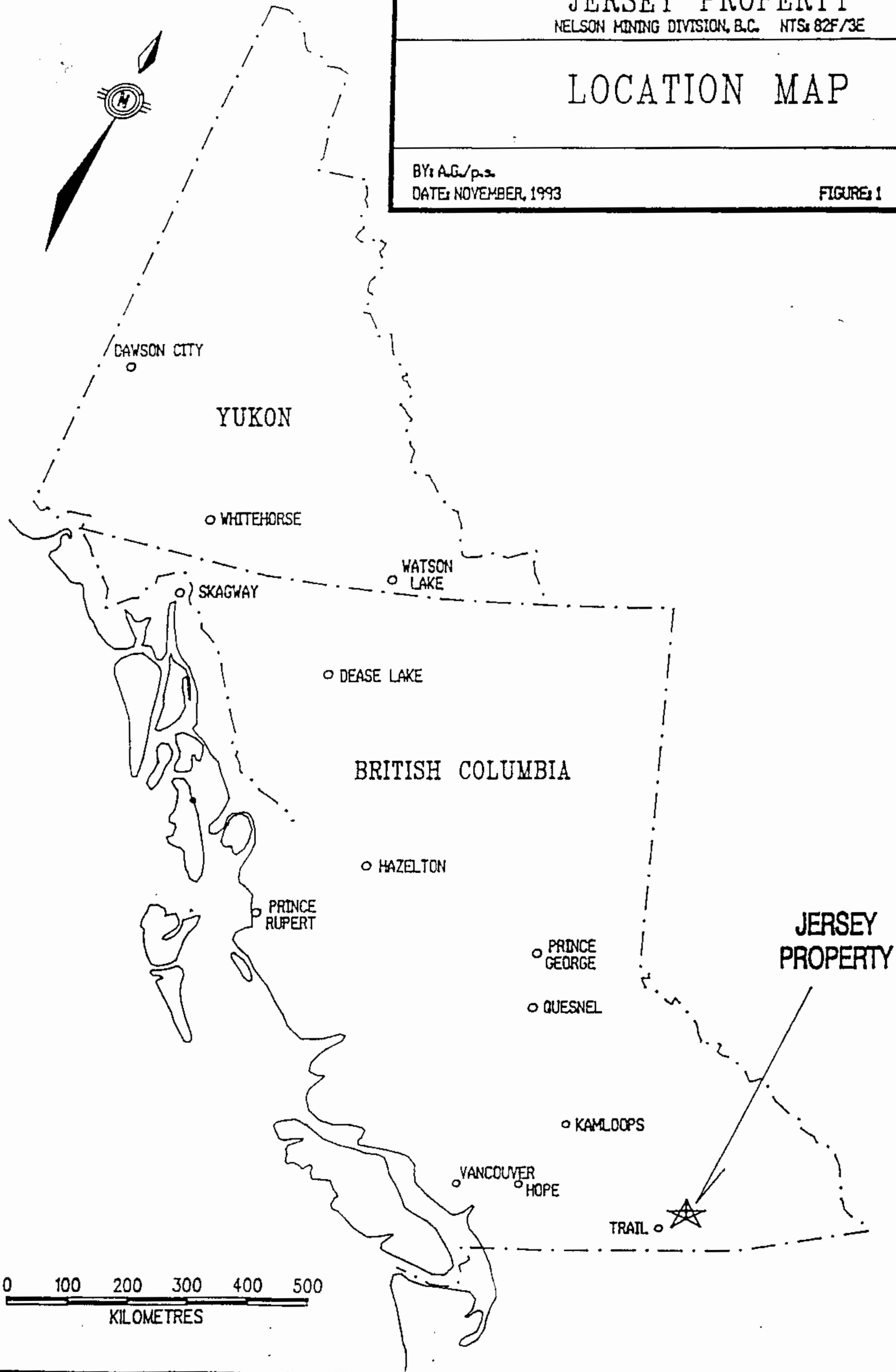
NELSON MINING DIVISION, B.C. NTS: 82F/3E

LOCATION MAP

BY: A.G./p.s.

DATE: NOVEMBER, 1993

FIGURE: 1



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 Figure 4).

2.2 PROPERTY GEOLOGY

GENERAL

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 brown argillites and minor 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 Figure 5).

The most prominent unit in the Jersey Mine area is the massive grey and white Laib Formation, Reeves Member limestones, which may contain dolomitic bands at or near their base.

To the east of the mine area is shown by Fyles and Hewlett (1954) to be underlain by a much younger (Ordovician) black argillite unit referred to as the Active Formation. This unit has been shown to be in fault contact with the Reeves Limestone, however, work by Sultan Minerals indicates that the contact may actually be conformable and that the Active Formation is in fact geochemically identical to Laib Formation Emerald Member black argillites.

Immediately to the west of the Jersey mine, slices of Laib Formation Truman Member brown skarny argillites are interlayered with Reno Formation and lesser Quartzite Ridge Formation quartzites. Farther west, past the brown argillite/quartzite bands lies another very visible area of Reeves limestone, which does not contain any dolomitic bands. This is in contact on its western margin with black argillites of the Emerald Member, locally interlayered with Upper Laib Formation green and brown phyllites.

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.

EAST RIDGE GEOLOGY

The East Ridge Geology Map (Figure 6) shows detailed geology and structure in the area between 48+00E to 60+00E and 85+00N to 103+00N. This area is underlain predominantly by black, fine grained argillite with various degrees of metamorphic hardening. In some places it can be easily broken along bedding, but elsewhere it resembles a banded massive hornfels. The argillite varies in aspect from: a uniform fine grained mass; to nearly massive argillite with scattered glassy quartz grains; to alternating bands of argillite and glassy quartz grains. Occasional >1 centimetre bands of amphibolite were seen and appear to be the result of metamorphism of layers with differing composition. No repeatable pattern was determined among the different facies. In the eastern third of the argillite zone there is an interbedded carbonate sequence of limestones and dolomites of variable thickness (a few tens of metres in the north to nearly two hundred metres thick around 87+00N).

Along the western edge of the argillite zone is a grey and white banded crystalline limestone. Occasionally, thin wedges of this limestone outcrop within the argillite, along one of the N-S shear zones which occur within a few hundred metres of the main limestone/argillite contact.

Other rock types found within the argillite include a light coloured felsic offshoot (presumably) of the underlying granite, grey granitic material, and dark brown to green micaceous lamprophyric material. These occur as dykes or small cross-cutting bodies related to one of several periods of intrusion and appear closely associated with N-S vertical zones of weakness (shears). In addition, knots of white to rusty quartz occur in many places within the argillite.

At first glance, the structure of the argillite zone appears to be a fairly uniform eastwardly dipping (steeper in the western half) package cut by occasional N-S, near vertical shear zones. At the margins of the shear zones the normal bedding is bent up or down in wide (>1 metre) open drag folds indicating movement, up on the west - down on the east, although along some shear zones no indications of relative movement could be found. If this interpretation is true, the carbonate package found in the eastern third of the argillites would simply have been eroded from the rest of the area. In this case, the total thickness of the argillite sequence would be well over 1000 metres thick, greater by a magnitude of 10X than elsewhere in the region. There is also the possibility of faulting along Shandley Creek with relative movement down to the east.

There are several places within the argillites, as well as within the limestones to the west, where drag folds are found, indicating that the entire argillite package has been folded into a series of isoclinal folds. Too few drag folds were found to pick out individual anticlines and synclines, but the S-shape and reversed S-shape on these drag folds indicate that several such large folds exist. This interpretation would better fit local variations: in dip of bedding; overall thickness of the argillite unit (which could now be as thin as a few hundred metres); inability to find a pattern in the facies change within the argillite; and occasional steep dips to the west. However, the only way to explain the absence of the carbonate unit of the eastern third in the rest of the argillite would be through facies change or erosion.

The only evidence of mineralization within the argillite zone is in a few pits along the eastern margin within the limestone-dolomite facies which contain evidence of lead, zinc or copper minerals. Only in a few scattered places within the argillite itself is disseminated pyrrhotite, pyrite or chalcopyrite noticeable. The carbonate unit from the eastern third of the argillites dips at about 20-30 degrees to the east toward a contact with the granite along which historically, tungsten and lead-zinc-silver mineralization has been found (Jumbo/Boncheer Crown Grants). Along the northern extension of this same carbonate unit, on the north facing slope, were found unusual concentrations of granite boulders which may indicate that the contact zone between carbonate and granite is fairly near surface. Testing the granite carbonate contact at the eastern extreme of the zone would seem to have the highest potential for finding additional mineralization.

NORTH DODGER GEOLOGY

In the area around the North Dodger 4400 and 4600 adits, the general structure is easterly dipping limestones of the Reeves Member (locally dolomitic at or near the lower contact) overlying brown argillites of the Truman Member (see Figure 7). Both units are locally skarnified near their contacts, as well as in proximity to an underlying granitic intrusive which truncates these units to the north. To the east the Reeves Limestone terminates against a possible high angle fault contact with Active Formation black argillites. Farther north, the Active Argillite is in fault contact with the granitic intrusive rather than with the limestones of the Reeves Member.

The underlying granitic intrusive is exposed or very close to surface in the northern half of the area and is only covered by other rock units in the southern half due to the extreme positive relief. The western limit of the granitic rock is not well defined, but may follow a second shear zone parallel to that at its eastern contact. Skarn is developed in both the overlying limestone and argillite units in close proximity to the granite contact. Mineralization, however, is limited to local concentrations of scheelite, molybdenite and pyrrhotite. Pegmatitic masses, found locally along the contact, have little apparent influence on mineralization.

The Reeves Limestone is folded at a minor scale into a series of crenulations and >1 metre open folds with axes of 200° azimuth and a plunge of 20-30° to the south. It is also broken by a series of high angle faults parallel to the one on its eastern margin. In each case, these high angle faults appear to be up-thrown on the east, exposing a lower (often dolomitic) part of the section. Mineralization in the dolomitic part of the limestone does not seem to be affected by the underlying granitic intrusion and was likely in place long before the intrusive event.

The brown argillites of the Truman Member are commonly turned into a thinly banded skarn due to its proximity to the underlying granitic intrusive. No mineralization of note was found in this formation other than very close to the contact with the overlying limestones where thin carbonates interbed with the brown argillite.

TUNGSTEN KING GEOLOGY

The Tungsten King area can be divided into two parts: that on the east side of a 010-020° azimuth fault cutting through the main Tungsten King occurrence; and the area west of this fault (Figure 8). The eastern area (about 69+25N/29+75E) is in brown to dark green quartzites of the Reno Formation overlying white Nevada Quartzites. Both formations are folded into what appears to be a recumbent isoclinal fold (anticline?) with an axis at 200° azimuth and plunging 20° to the south. Gold mineralization appears to be associated with massive to semi-massive pyrrhotite skarn in or adjacent to the Reno Quartzites.

Immediately west of the fault (69+40N/29+65E) the rock type consists of massive Reeves Limestone with occasional dolomitic horizons. Mineralization consists of tungsten from the dolomite/limestone in the immediate vicinity of the fault and Pb/Zn in limestone/dolomite about 30 metres further west, with minor skarn occurring at both locations.

In the remainder of the area, even further west, appears to be a series of tight isoclinal folds involving Reeves Limestone (and dolomite), Reno Quartzite and minor Truman Argillite. The axial planes of most folds seem to be nearly vertical or inclined to the east while the fold axes, although difficult to determine, seem to be oriented about 200° azimuth with plunges of 20° to the south. At least one fault cuts this area, at 020° azimuth, and others are probable.

Overall outcrop is sparse and overburden covers everything to the south, east and northwest. To the northeast the Reeves Limestone (with local skarn zones) and Nevada Quartzite continue to crop out on opposite sides of the fault.

Just south of Lost Creek, the Tungsten King South area can be divided into an eastern section and a western section on opposite sides of a 50 metre wide, 020° trending area without outcrop, which apparently masks a major fault zone. The eastern section contains a regular sequence of Reeves Limestone (locally dolomitic at its base) overlying Truman Argillites, both dipping south at about 45°. The bedding is often crenulated by small folds with axes of 200° azimuth and plunges of 20° to the south. Contrary to what is shown on the regional map, no contact was seen between the Reeves Limestone and the (overlying?) Active Argillite. The top of the Reeves outcrop is marked by the limits of mass wasting scars, beyond which overburden masks at least the next 100 metres up-slope to the south.

In the Tungsten King South area, a single adit is located at 63+90N/31+50E which attempted to follow a thin zone of pyrrhotite mineralization at the limestone/dolomite contact near the base of the Reeves Formation. Within the adit the dip of the limestone/dolomite contact flattens to about 20° within 20 metres and the zone of mineralization disappears.

The section west of the Tungsten King South fault zone is underlain entirely by Reno Quartzites exhibiting >1 metre folds with axes at 200° azimuth and plunges of 20° to the south. The bedding, if unfolded, would be nearly vertical. The folding pattern indicates a movement of the east side of the outcrop <u>down</u> relative to the west side.

TRUMAN HILL - TRILLION GEOLOGY

The extreme eastern portion of Truman Hill is underlain by black argillites of the Active Formation with variable dips but consistent fold axes of 150-160° azimuth and plunge of 30-40° south. The argillite is separated from the rest of the map area by a 50 metre wide, 020° trending strip of low relief which, presumably, masks a major fault zone (Figure 9).

The central portion, containing the Truman Hill occurrences, forms a normal sequence of Nevada Quartzite/Reno Quartzite/Truman Argillite/Reeves Limestone units. It appears that the NE extension of the Reno Quartzite of this sequence matches up with that of the Tungsten King South area (Figure 8). Within this sequence, the basal Nevada Quartzite dips a very regular 30° to the south while each successively higher unit is increasingly bent until the uppermost Reeves Limestone forms a synclinal fold with an axis at 200° azimuth and plunge of 40° to the south. Along the axis of this fold the Reeves Limestone has been highly contorted into locally isoclinal folds with axes parallel to the major fold, causing local reversals of dip and an apparent thickening of the section.

The Truman Hill Pb/Zn occurrences follow a thin (60 centimetres) dolomitic zone within the Reeves Limestone in the area of steep isoclinal folding. Both to the east and west of Truman Hill the Reeves Limestone is folded into large scale anticlines and synclines. It probably connects, across the fault, with the Reeves Limestone of the eastern portion of the Tungsten King South area.

The Trillion area, contrary to what is shown on the regional map, is just a continuation of the Truman Hill sequence. The difference is that each of the formations, from lowest to highest, "rolls under" around the nose of a major, nearly flat lying, isoclinal anticline with an axis of 200° azimuth and plunging 20° to the south. Therefore, the outcrop of Reeves Limestone at 57+00N/21+50E (which contains the Trillion adit) would lie on the overturned limb of this anticlinal fold. The limestone outcrops around 55+00N/21+00E would lie on the upper limb and have no direct connection to the former outcrop.

The Trillion occurrence is a zone of Pb/Zn mineralization about 60 centimetres thick in dolomitic limestone which is folded into a tight "synclinal" fold with axis of 0° azimuth and plunging about 30° to the south.

EMERALD PIT GEOLOGY

Detailed geological mapping was undertaken in the Emerald Tungsten open pit in an attempt to correlate the Emerald Gold Zone with the lithologies observed in the pit walls. Figure 10 shows the geology of the open pit at 1:250 scale.

Along the most easterly part of the pit wall, Cretaceous Emerald granitic stock is exposed. Adjacent to this stock is crystalline to skarny Reeves Member limestone. The material mined from the centre of the pit consisted of tungsten-bearing massive pyrrhotite skarn. Granite and argillite are again seen on the pit's south and east walls. Quartz veins are visible toward the north and south end and are associated with the skarn.

Bedding in the sediments strikes generally north-south and dips moderately to steeply to the east, consistent with others dips throughout the property.

2.3 ECONOMIC GEOLOGY

Lead-zinc 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.

Tungsten and gold mineralization is associated with skarnified limestones and argillites in the vicinity of the Cretaceous Emerald and Dodger granitic stocks.

Several zones of significant and often very different mineralization have been identified on the property. Historically mined areas produced lead-zinc and tungsten, with known areas of high molybdenum, gold, bismuth, arsenic, copper, silver, cadmium and barium. Work done by Sultan Minerals during the 1996 field season defined several new mineralized zones, which along with the historically known mineralized zones, will be discussed in detail below.

<u>JERSEY LEAD-ZINC DEPOSIT</u>

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 single unit up to 24 metres thick. Ore mineralization consists of fine-grained sphalerite and galena with pyrite, and occasional 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.

A band of lead-zinc mineralization within dolomite was found, 55 metres below the main Jersey Mine level, in 1995 drill hole J95-2. Research of Placer Dome's old drill logs and sections uncovered several drill intersections which penetrated this Lower Jersey dolomite horizon, sometimes containing significant lead-zinc values. This horizon appears to underlie the entire Jersey Mine area, giving enormous potential for locating an economic lead-zinc deposit.

<u>BISMUTH GOLD ZONE - EMERALD GOLD ZONE</u>

The Bismuth Gold Zone is located along the east side of the Jersey lead-zinc deposit at the base of the Reeves limestone/dolomite unit. 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 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 up to 20 metres in thickness. It was intersected in numerous surface and underground drill holes during the 1940s and 1950s, along a strike length of 1300 metres, but was only analyzed for gold and silver in four drill holes.

On the west flank of the Jersey lead-zinc deposit, trending south from the Emerald Tungsten workings, a second band of very similar gold bearing sulphide mineralization has been confirmed. This mineralized band, referred to as the Emerald Gold Zone lies near the base of the Reeves limestone unit, in a stratigraphically similar position to the Bismuth Gold Zone found on the east flank of the Jersey lead-zinc deposit.

The Emerald gold zone, first recognized in 1895, was prospected until 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 in this area, the gold potential of this zone was not explored. The zone was rediscovered in 1993 when the property owners found that free gold could be panned from the tungsten tailings.

Both the Bismuth Gold Zone and the Emerald Gold Zone lie at the base of the Reeves Limestone Member and are adjacent to tungsten bearing skarn units.

DODGER TUNGSTEN DEPOSIT

On the east side of the Jersey Lead-Zinc Mine, skarn-type tungsten mineralization occurs where the Cretaceous intrusions are in contact with either the calcareous Truman or Reeves Members.

The Dodger tungsten skarn deposit is comprised of three zones with finely disseminated scheelite grains in light brown to green garnet-diopside skarn. The 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 be developed due to low tungsten prices.

EMERALD TUNGSTEN DEPOSIT

To the west of the Jersey Lead Zinc Mine, the Emerald tungsten deposit occurs along the contact between the Reeves limestone member and the Emerald argillite member, and is 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 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 scheelite bearing, sulphide-type ore, consists of massive pyrrhotite, with minor calcite and biotite and is often spatially associated with the skarn mineralization consisting of irregularly shaped "replacement" bodies in limestone and dolomite. Locally quartz, pyrite, molybdenite and chalcopyrite may be present. The greisen-type of ore occurs for up to 12 metres into altered granite, from the limestone contact. Scheelite ore occurs in potash feldspar - in some places completely kaolinized, with abundant quartz, sericite, pyrite and tourmaline. 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 at this time.

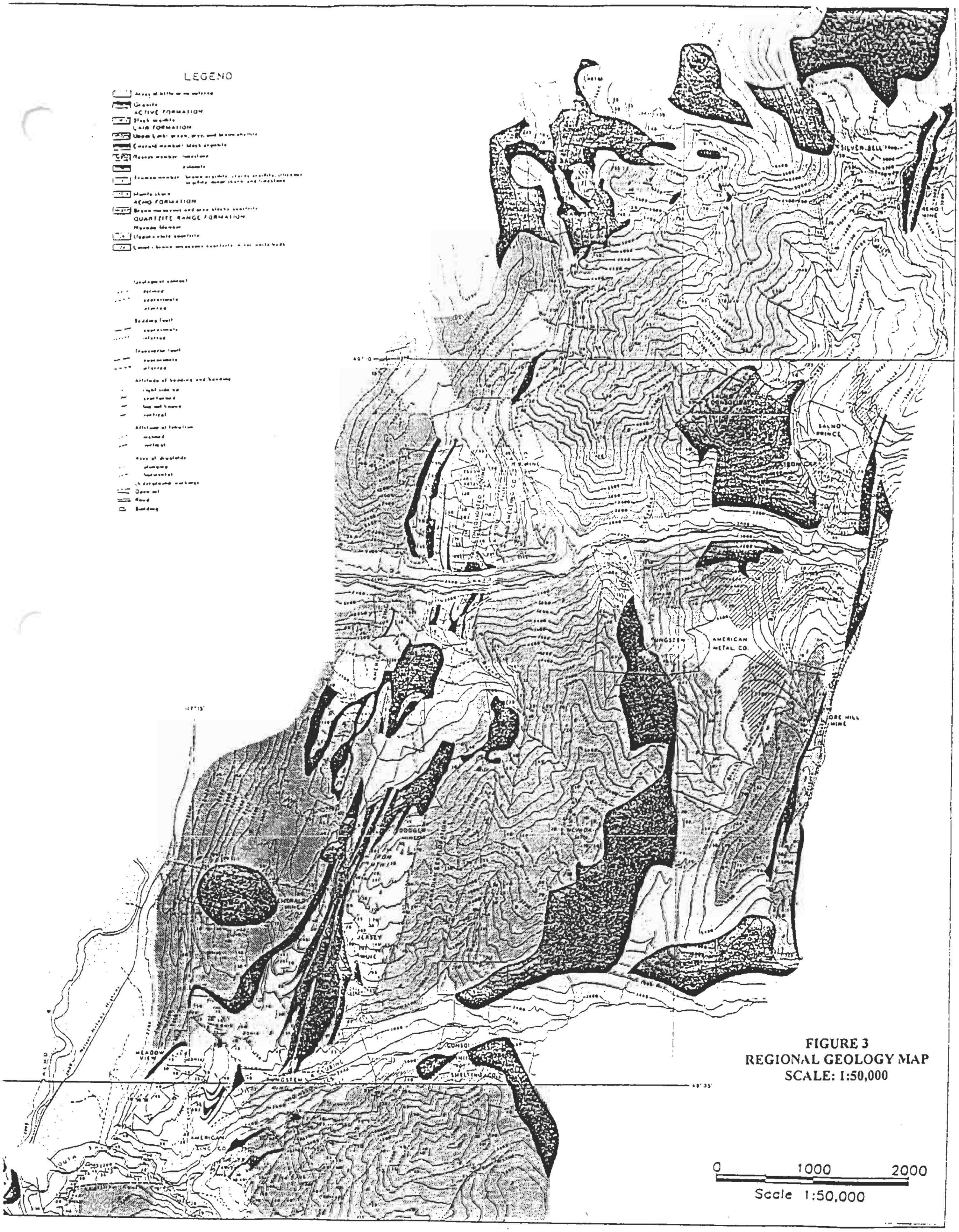


FIGURE 3
REGIONAL GEOLOGY MAP
SCALE: 1:50,000

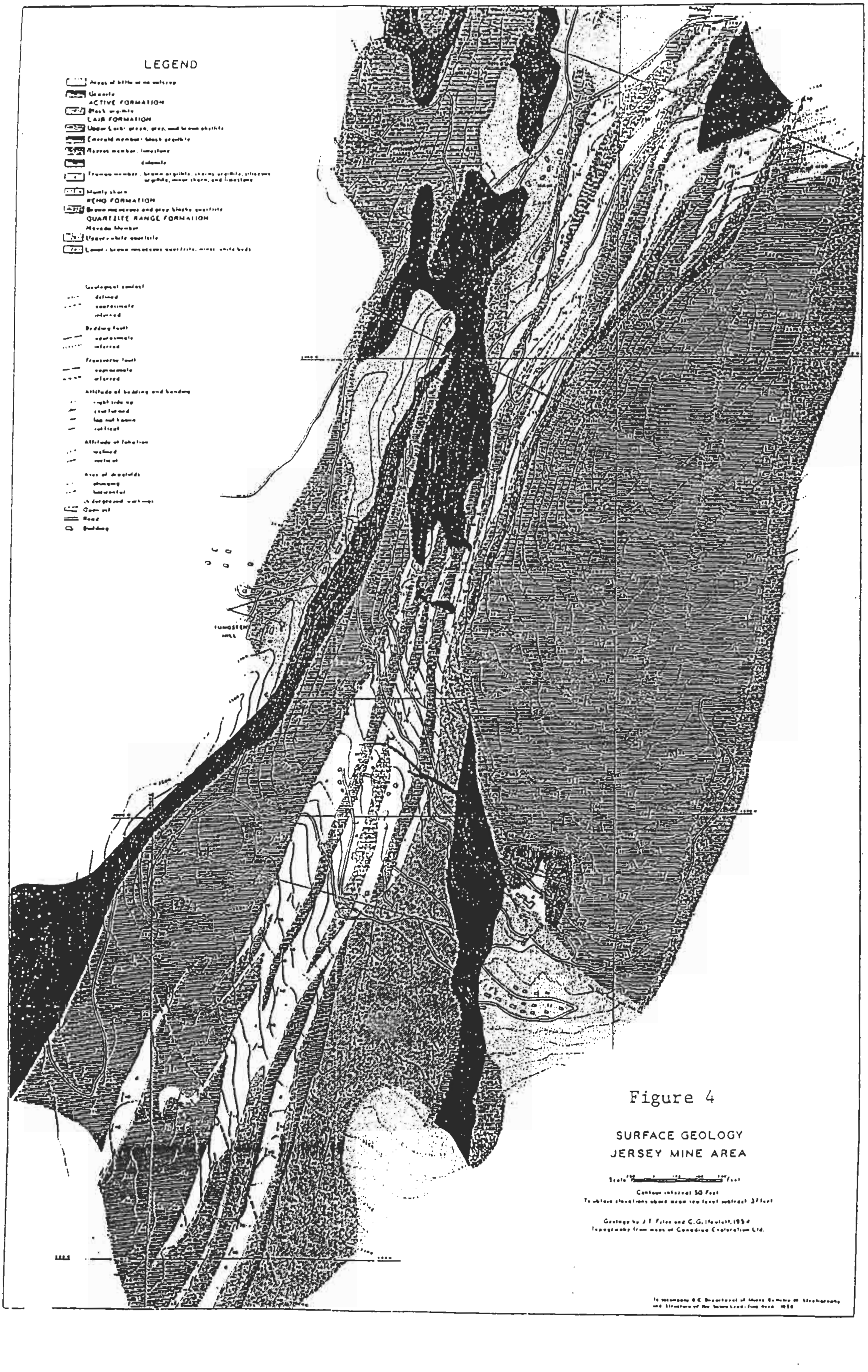


Figure 4

SURFACE GEOLOGY
JERSEY MINE AREA

3.0 GEOCHEMISTRY

3.1 LITHOGEOCHEMISTRY

SAMPLING, SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

During the course of the 1996 field season, rock samples were collected for assay from mineralized outcrops encountered along soil sample lines and during mapping and prospecting. Chip samples were also collected in mineralized zones in the underground workings. In most instances grab samples consisted of two or three representative specimens, while numerous small chips were collected across outcrops in areas of pervasive mineralization. A total of 310 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 analytical technique. Selected rock and drill core samples were re-analyzed at the end of the season for gallium and germanium or for 15 rare earth element by the ICP technique.

PRESENTATION AND DISCUSSION OF RESULTS

Figures 10 to 20 show lithogeochemical sample locations and significant assay values. Acme Laboratory Certificates of Analysis for rock samples can be found in Appendix A.

JERSEY GRID AREA

For the Jersey Grid area, Figure 11 shows rock sample locations, with an attached table of significant sample results. The most interesting rock sample results from the Jersey Grid are seen in the North Dodger area (surrounding the Dodger 4400 and 4600 adits). A few samples of particular interest include:

2087	100+79N, 42+03E	.53% Mo
2088	102+05N, 45+47E	>10% Zn, .2% Cd
2089	102+25N, 44+95E	.69% As, 1.57 g/t Au
2092	100+43N, 42+03E	.29% Mo
2040	99+95N, 43+95E	>10% Zn, .25% Cd
2141	97+90N, 41+25E	1.92% Pb, 3.93% Zn, 9.6 g/t Ag
2143	99+80N, 43+75E	4.91% Zn
2185B	101+05N, 42+80E	.25% Bi, 1.18 g/t Au
2190	99+95N, 43+90E	8.35% Zn, .12% Cd
2191	100+25N, 44+00E	3.49% Pb, 17.2% Zn, 44 g/t Ag, .3% Cd

In this area, skarnified Reeves limestone and Truman argillite host molybdenum and tungsten mineralization with lower values of associated gold, copper, arsenic and bismuth. Dolomitic bands within the Reeves limestone host lead-zinc mineralization often with associated silver and cadmium values.

The Leroy Gold Zone in the northwest portion of Figure 11 gives significant precious metal mineralization from samples:

2064	107+88N, 33+75E	17.9 g/t Ag, 1.52 g/t Au
2068	106+20N, 35+40E	18.3 g/t Ag, 26.89 g/t Au, .61% Bi

A small pit located within the East Ridge geochemically anomalous zone exhibited malachite and azurite staining on foliaform mineralized quartz. Samples collected from this pit returned some very high values such as:

2098	98+10N, 58+30E	.46% Cu, 1.76% Pb, 1.68% Zn, 281 g/t Ag, .23% As, .52% Sb, .20 g/t Au
2148	98+12N, 58+25E	.57% Cu, .47% Pb, .23% Zn, 112 g/t Ag
2149	98+15N, 58+20E	.16% Cu, .76% Pb, .24% Zn, 162.8 g/t Ag, .15% Sb

Numerous additional samples were collected throughout the East Ridge area, but no significant assays were returned.

Samples 2108 through 2110 were collected from ore rock piles located near the tungsten mill site to determine the amount of gold in these ore piles. All three samples had elevated Mo, Cu, Pb, Zn, Ag, As, Bi, W and Au values. Gold values for the three samples are 0.61, 1.48 and 0.78 g/t Au respectively. Although these values are anomalous they are not as high as anticipated.

Of interest, sample 2012 (88+95N, 53+40E) returned .22% Ba from its partial ICP extraction. High barium values are common in soil samples over the grid area, but are less common from rock samples.

Sample 2050 containing >10% As and 2.59 g/t Au, is from an exposure of the gold bismuth zone in the E Zone of the underground workings. This 10 centimetre wide massive arsenopyrite band is part of the Bismuth Gold Zone and is located approximately 30 metres west of the main Bismuth Gold Zone exposure.

<u>EMERALD PIT</u>

A total of 12 rock chip samples (mostly of 5 metre widths) were collected from the Emerald tungsten open pit during the course of geological mapping. These samples, designated EP#1 through EP#12, are shown along with significant assay results, on Figure 10.

High values for tungsten and molybdenum, with occasional gold, silver, arsenic and bismuth were obtained. Tungsten values seem to average about .1% (*in both skarn and granite*) from the partial ICP extraction method. The average grade in the pit is known historically to be about 1% tungsten, therefore tungsten values obtained by the ICP method may be as much as an order of magnitude less than the true values. Molybdenum values up to .085% were found in the granite, with local very coarse clots of molybdenum visible. Gold, silver, arsenic and trace bismuth values occur within the massive pyrrhotite/pyrite skarn:

EP#7	.89% As, 1.72 g/t Au, 2.9 g/t Ag
EP#6	1.23 g/t Au, 7.9 g/t Ag

In correlating the Bismuth Gold Zone and Emerald Gold Zone to known tungsten mineralization, it can be concluded that gold found in massive pyrrhotite/pyrite is generally greater where significant amounts of tungsten are not present. By following the massive sulphide band away from the granitic contact (i.e. source of the tungsten) the gold grade increases as seen in drill holes G96-3 (4.12 g/t Au over 1.1 metres) and J94-1 (28.0 g/t Au over .9 metres) drilled 300 and 600 metres to the south respectively.

TUNGSTEN KING

South of the Jersey Mine site, the Tungsten King showings are located along the north side of Lost Creek, and the Tungsten King South showings are on the south side of Lost Creek. 18 rock grab and chip samples were collected from the Tungsten King area (Figure 12).

Several styles of mineralization are visible at Tungsten King. Green siliceous skarn (or quartzite?) with massive to heavily disseminated pyrrhotite contains gold and silver mineralization as seen in sample TK 12 (69+20N, 30+00E) with 1.7 g/t Ag and 11.07 g/t Au. Gold and silver mineralization also occurs with galena and cerussite in rusty bands within skarny limestone such as in samples:

TK 104	71+30N, 30+25E	2.83% Pb, 97.3 g/t Ag, 5.24% As, 3.95 g/t Au
TK 105	71+55N, 30+15E	2.87% Pb, .56% Zn, 133.9 g/t Ag, 1.34% As, 1.41 g/t Au
TK 13	69+50N, 29+65E	4.43% Pb, 2.40% Zn, 68.7 g/t Ag, .19 g/t Au
TK 15	71+50N, 31+25E	3.02% Pb, 72.8 g/t Ag, 5.9% As, 2.53 g/t Au

Banded sphalerite within dolomite is sampled at:

TK 8	69+60N, 29+30E	3.3% Zn
TK 9	68+35N, 27+50E	.6% Pb, 8.58% Zn, 5.7 g/t Ag
TK 10	69+40N, 29+30E	16.33% Zn, 9.2 g/t Ag

The banded sphalerite mineralization occurs immediately to the southwest of the lead-silver and gold mineralized zones. Heavy overburden in many parts of the Tungsten King area mask outcrops. More work is required to fully understand the significance of these showings.

POSIE - TRUMAN HILL

Three rock samples were collected from the Active Formation black argillites on the eastern half of the grid, and seven grab and chip samples were collected from the Truman Hill and Trillion lead-zinc showings to the west (Figure 13).

No significant results were obtained from the black argillites. However, within the limestones and dolomites in the Truman Hill and Trillion area, all rock samples returned significant lead and zinc values, notably:

TR 1	55+10N, 25+80E	1.05% Pb, 7.9% Zn, 25.2 g/t Ag
TR 2	55+40N, 25+20E	.6% Pb, >10% Zn, .13% Cd
TR 3	54+90N, 24+05E	.65% Pb, 7.74% Zn
TR 4	55+75N, 23+70E	2.56% Pb, 8.37% Zn, 59.1 g/t Ag
TR 5	55+50N, 25+25E	10.44% Zn, .15% Cd
TR 6	56+05N, 25+00E	1.4% Pb, 9.4% Zn, 8.4 g/t Ag, .12% Cd
TR 7	56+40N, 24+75E	1.29% Pb, 4.06% Zn

Silver and cadmium often occur with the lead-zinc mineralization. Excavator trenching and systematic chip sampling is necessary in this area to fully determine the strike, width and grade of the mineralization.

SALMO CONSOLIDATED

A total of 29 rock grab and chip samples were collected from the Salmo Consolidated grid area (see Figure 14). A few of the samples were collected from granitic outcrops containing abundant disseminated pyrrhotite - these samples returned no significant assays. The majority of the samples were collected from waste rock dumps outside of the three adits, or from a series of pits trending northeast uphill from the adits for a few hundred metres. The adits' waste rock dumps contained fresh to rusty granite and argillite, and limestone and quartz mineralized by galena and sphalerite. Higher grade samples from the adits are:

SC 18	157+15N, 81+45E	2.5% Pb, 1.7% Zn, 75.1 g/t Ag, .65 g/t Au
SC 26	157+25N, 83+45E	2.42% Pb, 100.0 g/t Ag
SC 28	157+40N, 83+65E	2.58% Pb, 2.46% Zn, 183 g/t Ag, 2.6 g/t Au.

Samples collected from numerous pits above the adits were generally taken from 1 metre wide quartz-pyrrhotite (with varying amounts of galena-sphalerite) veins or silicified shears. Some of the more interesting samples are:

SC 3	156+85N, 82+00E	3.05% Pb, 1.06% Zn, 37.4 g/t Ag, .23 g/t Au
SC 4	157+00N, 82+70E	4.64% Pb, 1.53% Zn, 88.2 g/t Ag, .22 g/t Au
SC 14	157+00N, 83+30E	4.0 g/t Ag, .58 g/t Au
SC 15	157+00N, 83+30E	15.7 g/t Ag, .55 g/t Au

Infill soil sampling, detailed geological mapping and systematic rock chip sampling are recommended for this area.

ASPEN

Four rock samples were collected from the Aspen Grid area during the course of soil sampling. These were taken from granitic rocks in the vicinity of the black argillite contact. No significant assays were returned from any of the samples. Sample locations are shown on Figure 15.

SUMMIT

A total of 16 rock grab and chip samples were collected from the Summit claims in late 1996 (see Figure 16). Samples SUM 7 to 14 were taken from banded limestone and quartzite containing magnetite. No significant results were obtained from these samples.

The remainder of the samples were collected from outcrops and old workings in limestone/dolomite containing galena-sphalerite in hairline fractures or as bands from 10 to 100 centimetres width. Some very high gold and silver values are found associated with the lead-zinc mineralization, such as in samples:

SUMMIT 2	level 3 waste dump	1.09% Pb, 18.6 g/t Ag, 2.54 g/t Au
SUMMIT 3	glory hole	.96 g/t Au
SUMMIT 4	glory hole	0.7% Pb, 0.21% Zn, 7.5 g/t Ag, 6.2 g/t Au
SUMMIT 5	level 2A, 10cm chip	2.51% Pb, 4.44% Zn, 107.8 g/t Ag, 59.88 g/t Au
SUMMIT 6	level 2A waste dump	3.24% Pb, 3.47% Zn, 43.7 g/t Ag, 30.72 g/t Au
SUM 15	waste dump	8.35% Pb, 2.41% Zn, 97.9 g/t Ag, 2.49 g/t Au
SUM 16	waste dump	1.20% Pb, 1.65% Zn, 23.0 g/t Ag, 7.77 g/t Au

These claims were optioned by Sultan Minerals late in 1996. Work done by the previous owners consisted of soil sampling and geological mapping. Re-establishment and expansion of the soil sample grid, detailed geological mapping and chip sampling of the mineralized zones, with excavator trenching to expose fresh outcrop surfaces is recommended.

UNITED VERDE

To the southeast of the Posie-Truman Hill Grid area, the United Verde workings (3 adits and several pits) are located within black argillites of the Active Formation. Foliaform quartz veins containing sphalerite and galena (with associated gold and silver values) are exposed in the workings. The northern most pits have pyritic felsic dyke material in their waste rock dumps.

Eight samples collected from the United Verde adit waste dumps and old pits gave some interesting results (see Figure 16), such as:

UV 1-2	waste from south adit	2.82% Pb, 5.57% Zn, 60.4 g/t Ag, 0.19 g/t Au
UV 2-1	waste from middle adit	2.47% Pb, 96 g/t Ag, .20 g/t Au
UV 3-2	felsic dyke from north pit	.24 g/t Au
UV 4-1	pit near middle adit	2.66% Pb, 221.1 g/t Ag, .63 g/t Au

Detailed geological mapping and chip sampling of mineralized showings is recommended. Extension of the Posie-Truman Hill soil grid to cover this area is also recommended.

BLACKROCK SOUTH

Eight rock samples were collected from the Blackrock South lead-zinc bearing dolomite horizon (see Figure 16). Sample 2069 is a grab sample of the best mineralized section, and samples 2128 to 2134 are 1 metre chip samples across and adjacent to the mineralized dolomite. Results are quite variable with the best values being:

2069	2.19% Pb, 6.79% Zn, 13.1 g/t Ag, .14 g/t Au
2131	2.30% Pb, 3.51% Zn, 10.9 g/t Ag

Diamond drilling in 1996 indicates that the mineralization is faulted off at a shallow depth. No additional work is recommended for Blackrock South.

DODGER 4400 ADIT

Figure 17 shows the location of nine continuous rock chip samples taken from the mouth of the Dodger 4400 adit. Samples varied in width from 4 to 6 metres, averaging 5 metres. High tungsten values were obtained from the massive pyrrhotite and granitic sections, with molybdenite also being elevated in the granite. As explained previously, tungsten values reported are only partial extraction, therefore actual tungsten present may be much greater. No significant gold or silver values were obtained from the massive pyrrhotite or quartz-rich sections.

LEROY ADIT

Three 4 metre continuous rock chip samples were collected along the length of the Leroy Adit as shown on Figure 18. Sample 2118 at the farthest end of the adit intersected minor pyrite/pyrrhotite and quartz within silicified argillite/phyllite. This sample returned 7.4 g/t Ag, .37 g/t Au and trace Bi. The other two samples did not return any significant results. Diamond drilling in 1996 indicates that the surface mineralization on the Leroy Gold Zone pinches out at depth. No additional work is recommended.

5800N DRIFT

In the Jersey Lead-Zinc Mine E Zone underground workings, the 5800N drift trends southeast between two exposures of massive arsenopyrite (see Figure 66 for the location of the 5800N drift). Five continuous rock chip samples of 5 or 6 metres each were taken along the length of this drift in hopes of finding crosscutting gold-bearing arsenopyrite mineralization (see Figure 19). Samples 2111 to 2114 were collected within rusty skarn and limestone with the highest gold value being .11 g/t Au. Sample 2115 was collected in granitic rock and contained low levels of arsenic. Massive arsenopyrite was not seen in this drift.

EAST DODGER 6900N DRIFT

In the underground workings, along the 6900N drift which accesses the East Dodger tungsten deposit, the granitic wallrock is very rusty and contains numerous fractures and quartz veins with substantial molybdenum content. 19 continuous chip samples of 3.3 metres each were collect along this drift. Figure 66 shows the location of the 6900N drift, and Figure 20 gives sample locations and molybdenum values. The highest molybdenum value for 3.3 metres was from ED6900-12 with .177% Mo. Over the entire 58 metres sampled, the average grade is .05% Mo, .4 g/t Ag and .053 g/t Au, containing an interval grading .114% Mo over 12 metres.

Good molybdenite mineralization is visible in numerous places in the underground workings, waste dumps, Emerald Pit, etc. and a systematic approach to testing the quality and quantity of such mineralization is recommended.

LEROY NORTH

In November 1996, eight rock samples were taken from the Leroy North claims, located on the north side of Sheep Creek, immediately to the west of the HB Mine. See Figure 2 for the location of the Leroy North claims.

Old trenches located in a limestone host (Reeves Member?) exhibited galena and sphalerite mineralization. Two samples of this mineralization gave results as follows:

LN 4	1.25% Pb, 5.53% Zn, 29.3 g/t Ag, .68 g/t Au
LN 6	2.35% Pb, 3.63% Zn, 77.0 g/t Ag

All eight samples were also analyzed for gallium and germanium, as historical records indicate elevated values for these elements at HB Mine. The best results were 16 ppm Ga in LN 2 and 5.3 ppm Ge in LN 4.

Detailed geological mapping and systematic rock chip sampling in mineralized areas is recommended. The results of this program, combined with historical soil sample survey information will allow for better interpretation of the geology and mineralization on Leroy North.

GALLIUM, GERMANIUM AND RARE EARTHS

At the end of 1996, 53 rock and drill core samples were re-analyzed for gallium and germanium and 27 samples re-analyzed for 15 rare earth elements by ICP technique. These samples were chosen from various rock and mineralization types encountered across the property.

Most of the gallium and germanium results were less than detection, with the highest sample 2162 returning .004% Ga and .002% Ge. This sample was collected from massive pyrrhotite skarn mineralization located at the mouth of the Dodger 4400 adit.

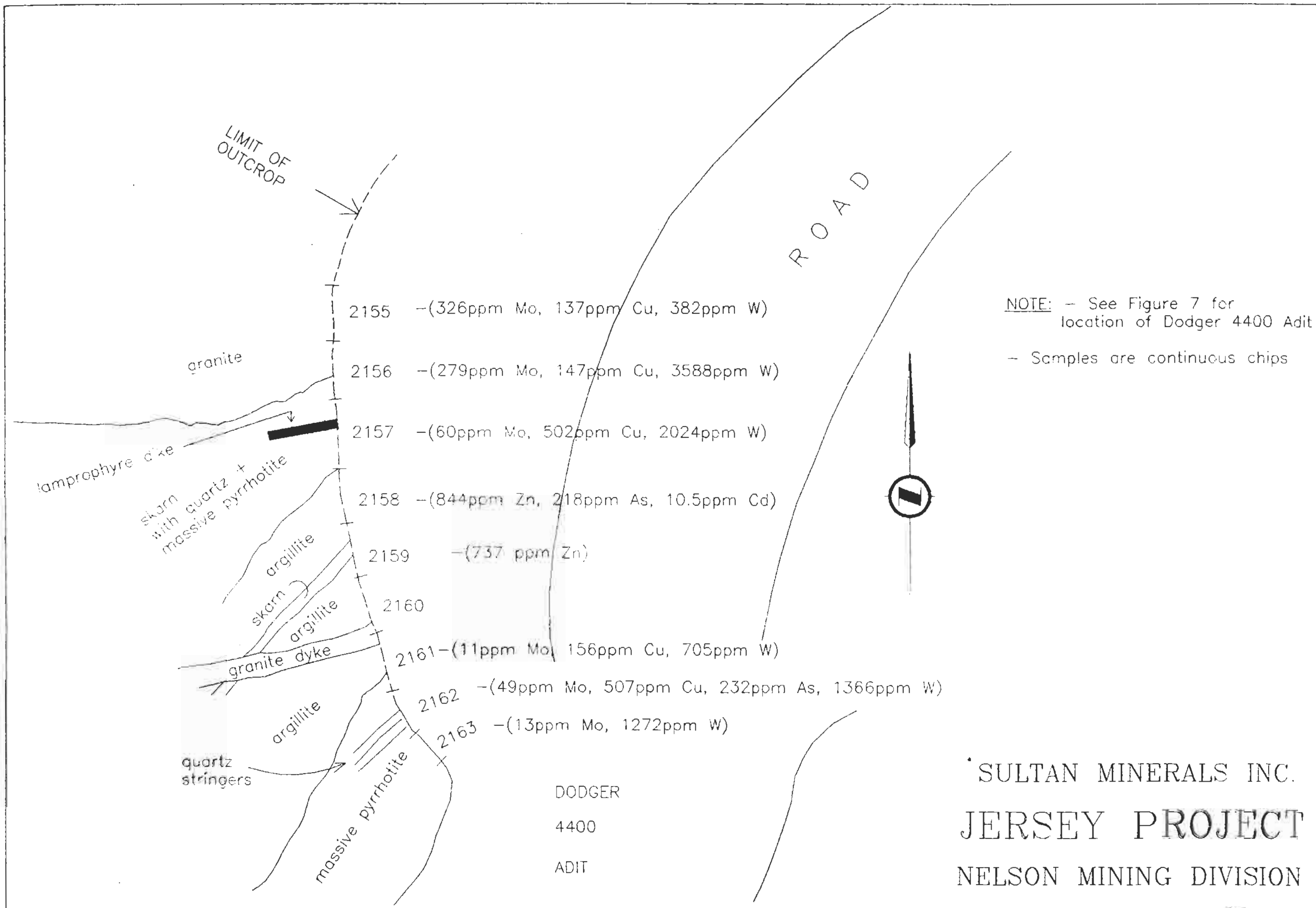
The fifteen rare earth elements in the ICP analysis are: Y (yttrium), La (lanthanum), Ce (cerium), Pr (praseodymium), Nd (neodymium), Sm (samarium), Eu (europium), Gd (gadolinium), Tb (terbium), Dy (dysprosium), Ho (holmium), Er (erbium), Tm (thulium), Yb (ytterbium), and Lu (lutetium). Of the samples analyzed, several returned anomalous values for certain of the rare earths, such as:

2162	pyrrhotite from Dodger 4400 adit	62.7 ppm Y, 111.5 ppm La, 51.7 ppm Ce, 13.3 ppm Nd
TK 12	massive pyrrhotite from Tungsten King	97.5 ppm La, 10.2 ppm Pr, 16 ppm Er, 14.9 ppm Lu
TK 18	massive pyrrhotite from Tungsten King	11.7 ppm Er
SC 3	quartz-pyrrhotite in granite	10.4 ppm Nd
SC 4	quartz-pyrrhotite in granite	113.7 ppm La, 55.9 ppm Ce, 13 ppm Nd
SC 23	mineralized shear zone in granite	50.9 ppm Y, 182.3 ppm La, 97.5 ppm Ce, 12.5 ppm Pr, 34.7 ppm Nd, 10.8 ppm Sm, 12.4 ppm Eu

One re-analyzed diamond drill core sample from hole G96-5 (massive pyrrhotite mineralization) returned 16.1 ppm Er and 22 ppm Lu from 171.7 to 172.7 metres. In diamond drill hole Z96-2 a skarny limestone band containing wollastonite, idocrase, and some unidentified fluorescent and phosphorescent minerals returned the following:

Z96-2	178.17-179.65m	54.2 ppm Ce, 10 ppm Pr
Z96-2	190.82-194.05m	61.7 ppm Nd, 16.8 ppm Sm
Z96-2	204.86-205.42m	75.6 ppm Y, 50.6 ppm Ce

More research into the value and extraction techniques for rare earth elements is needed to fully assess their potential.



SULTAN MINERALS INC.

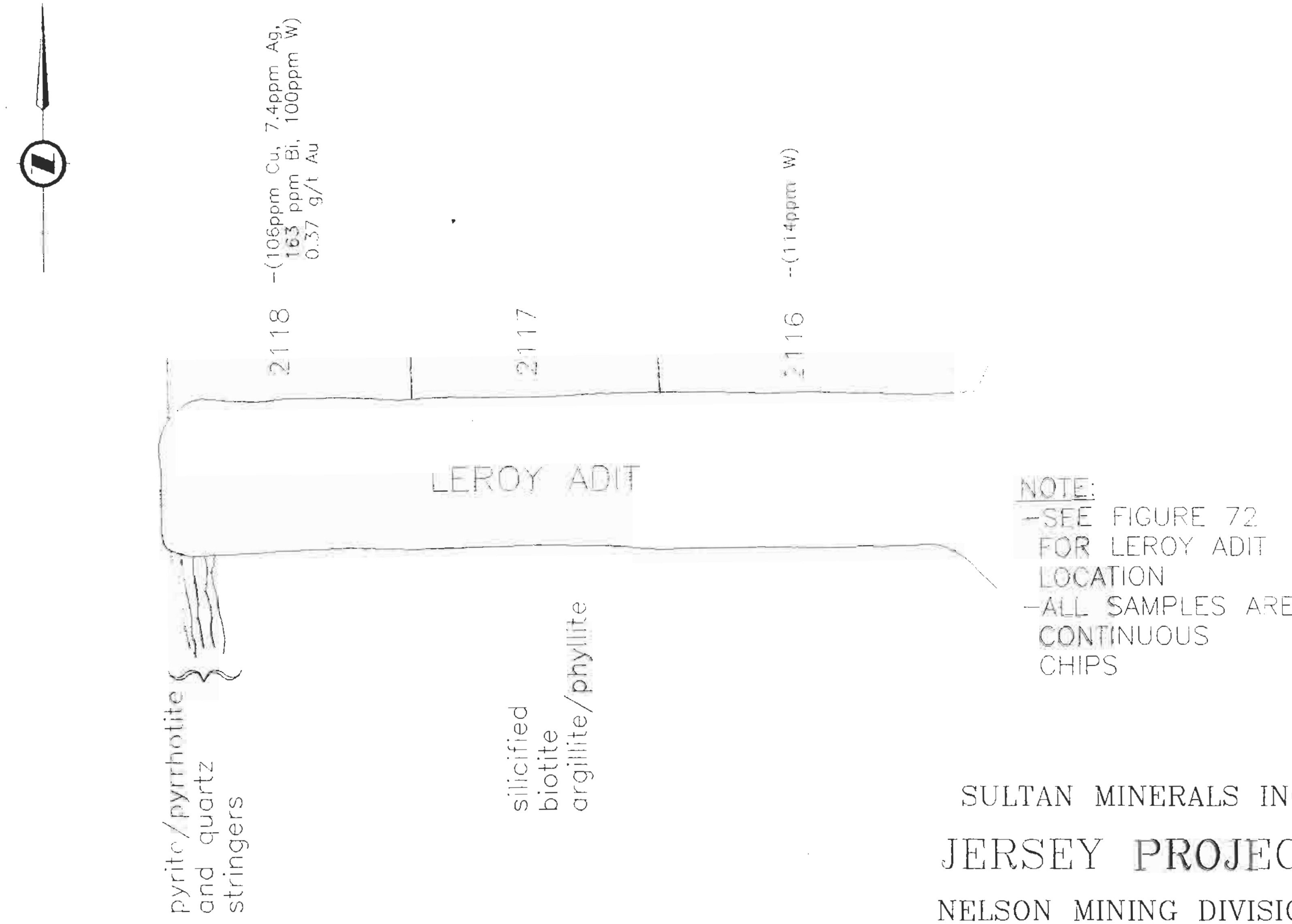
JERSEY PROJECT

NELSON MINING DIVISION

DODGER 4400 ADIT LITHOGEOCHEMISTRY PLAN MAP

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 17
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500



SULTAN MINERALS INC.

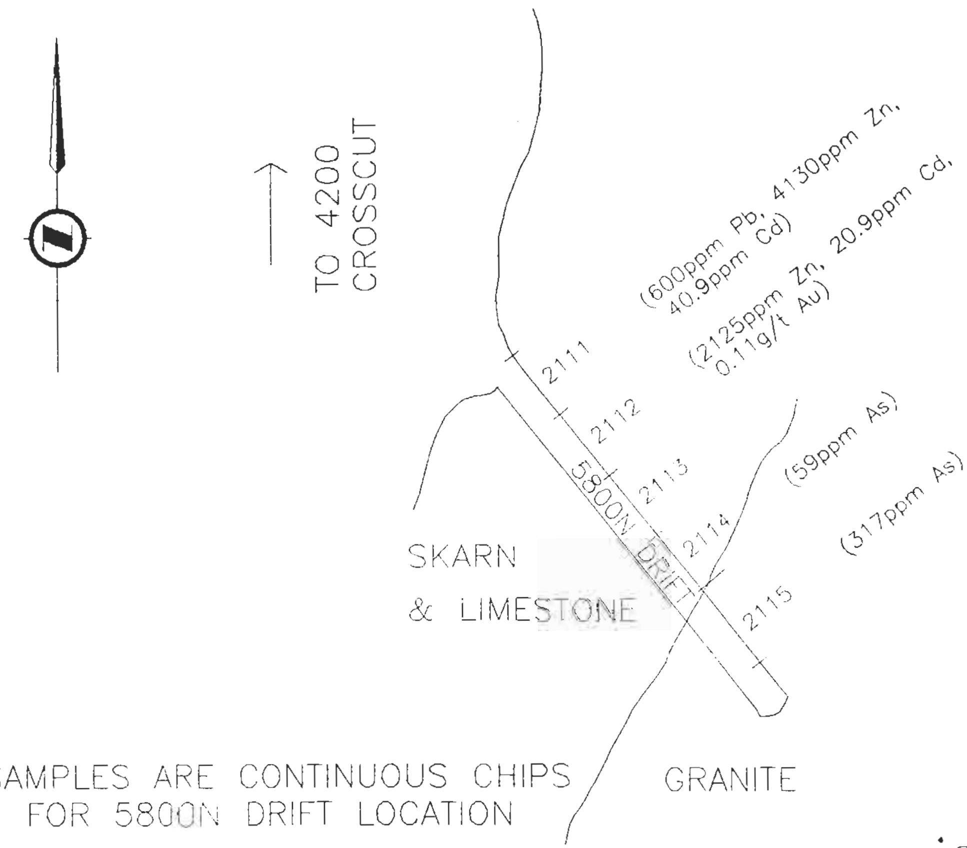
JERSEY PROJECT

NELSON MINING DIVISION

LEROY ADIT LITHOGEOCHEMISTRY PLAN MAP

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 18
DATE: FEBRUARY 04, 1997
SCALE = 1 : 100



NOTE: – ALL SAMPLES ARE CONTINUOUS CHIPS
SEE FIGURE 69 FOR 5800N DRIFT LOCATION

SULTAN MINERALS INC.

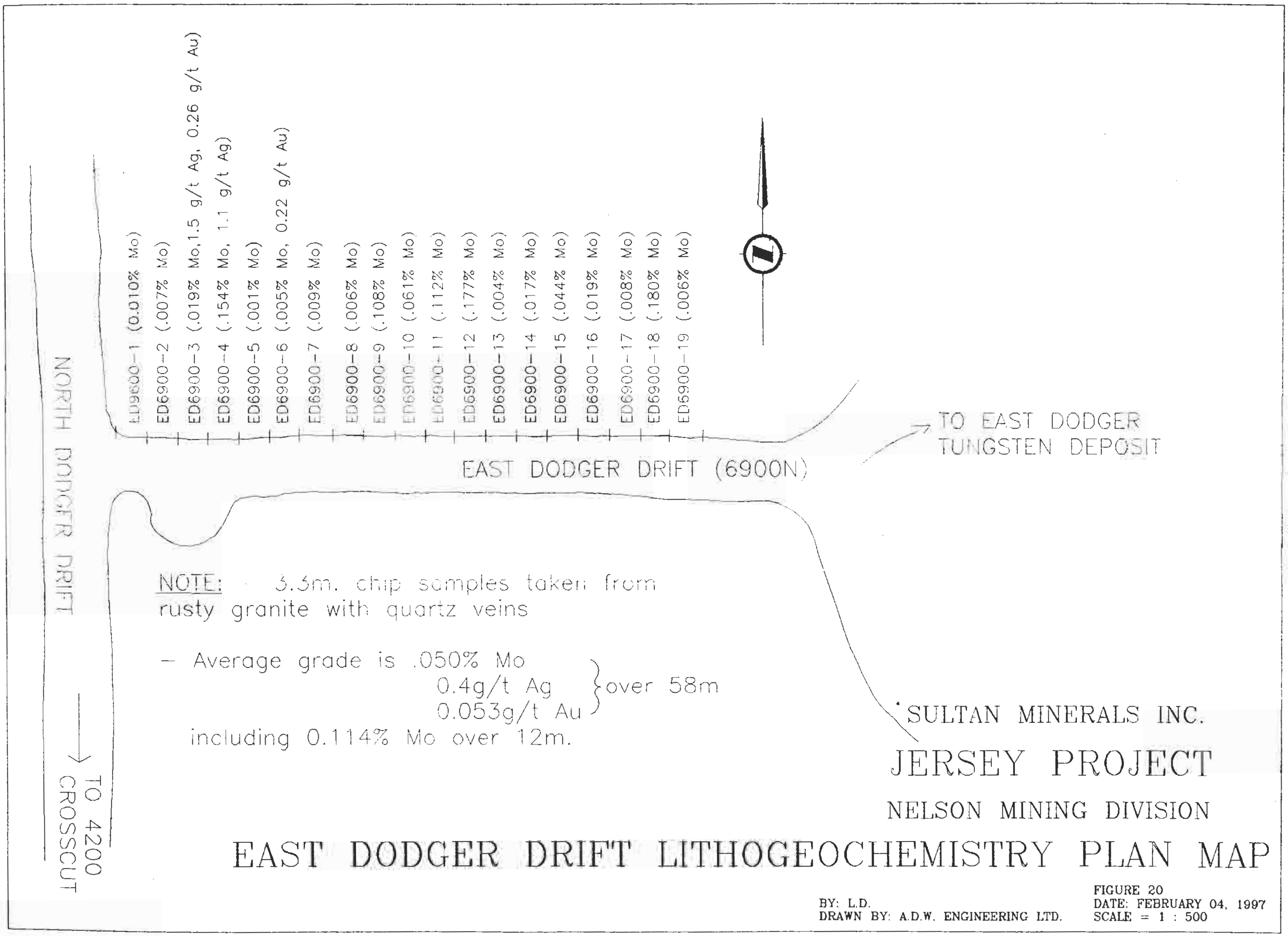
JERSEY PROJECT

NELSON MINING DIVISION

5800N DRIFT LITHOGEOCHEMISTRY PLAN MAP

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 19
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500


ED9600-1 (0.010% Mo)
ED6900-2 (.007% Mo)
ED6900-3 (.019% Mo,1.5 g/t Ag, 0.26 g/t Au)
ED6900-4 (.154% Mo, 1.1 g/t Ag)
ED6900-5 (.001% Mo)
ED6900-6 (.005% Mo, 0.22 g/t Au)
ED6900-7 (.009% Mo)
ED6900-8 (.006% Mo)
ED6900-9 (.108% Mo)
ED6900-10 (.061% Mo)
ED6900-11 (.112% Mo)
ED6900-12 (.177% Mo)
ED6900-13 (.004% Mo)
ED6900-14 (.017% Mo)
ED6900-15 (.044% Mo)
ED6900-16 (.019% Mo)
ED6900-17 (.008% Mo)
ED6900-18 (.180% Mo)
ED6900-19 (.006% Mo)
NORTH DODGER DRIFT
TO EAST DODGER TUNGSTEN DEPOSIT
EAST DODGER DRIFT (6900N)
NOTE: 3.3m. chip samples taken from rusty granite with quartz veins
– Average grade is .050% Mo
0.4g/t Ag
0.053g/t Au
over 58m
including 0.114% Mo over 12m.
TO 4200 CROSSCUT
SULTAN MINERALS INC.
JERSEY PROJECT
NELSON MINING DIVISION
EAST DODGER DRIFT LITHOGEOCHEMISTRY PLAN MAP
BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 20
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500

3.2 SOIL SAMPLING

SAMPLING, SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Soil sampling was carried out over six grids on the property in the course of the 1996 field season (see Figure 3). In October of 1995, a large grid (the Jersey Grid) was established to cover most of the existing claim block, with east-west grid lines spaced 200 metres apart and soil samples collect at 50 metre intervals. The **Jersey Grid** has coordinates from L81N to L111N and from 25+00E to 61+00E. During 1996, 10.8 line kilometres of infill grid lines (for a total of 61.8 line kilometres) at 100 metre spacings were surveyed with detailed sampling at 25 metre intervals in areas of previously defined anomalies. A total of 722 soil samples collected in 1996. The majority of the infill lines and detailed sampling was done between 50+00E and 60+00E over the area of the East Ridge zinc-copper-silver geochemical anomalies. Other areas of detailed soil sampling were in the North Dodger area from L98N to L103N, 41+00E to 46+00E, south from Emerald Pit along the Emerald Gold Zone trend from L85N to L93N between 30+00E and 32+00E, and in the extreme northwest of the grid area.

The **Posie Grid**, established in 1995, with 200 metre spaced east-west lines, and 50 metres soil sample intervals, was also extended and infilled during 1996. The original Posie Grid covered the area between L45N to L69N from 33+00E to 49+00E. During 1996, 9.875 line kilometres of grid line was surveyed (to total 23.9 line kilometres), and 337 soil samples collected. 200 metre spaced grid lines were extended west for up to 1.3 kilometres to cover the Truman Hill and Trillion showings, and up to Lost Creek along the north and west of the grid. In the vicinity of the Truman Hill and Trillion showings, infill grid lines at 100 metre spacings, and samples at 25 metre intervals were collected. Over the existing Posie portion of the grid, where high zinc-copper-silver anomalies (similar to those from the East Ridge zone on the Jersey Grid) were outlined in 1995, infill grid lines at 100 metre spacings and soil samples at 25 metre intervals were collected in 1996.

The **Jersey Extension Grid** consists of 4 two kilometre long lines heading east from 60+00E on the Jersey Grid. These lines are located at 91N, 95N, 99N and 103N. Samples were collected at 50 metre intervals along these lines for at total of 164 soil samples. During the course of soil sampling, 5 silt samples were collected from small streams encountered along the soil lines.

The **Tungsten King Grid** is located immediately south of Jersey Grid, between it and the Posie-Truman Hill Grid. The Tungsten King Grid is bordered on the north by L81N of the Jersey Grid and on the south by Lost Creek. Grid lines are spaced 200 metres apart, with samples being collected at 50 metre intervals. In the area of mineralization (the central part of the grid), 25 metre sample intervals were used, and infill grid lines were placed at 100 metre spacings. Grid lines extend from L81N to L68N and go as far east as 41+00E and as far west as 16+00E. The Tungsten King grid totals 14.175 line kilometres, with a total of 397 soil samples collected.

In the far northern portion of the property, the **Aspen Grid** consists of three grid lines spaced 400 metres apart, with 50 metre sample intervals along the lines. A total of 4.1 line kilometres was surveyed on lines 180N, 184N and 188N, beginning at 70+00E and extending eastward until rugged terrain is encountered. 85 soil samples were collected from the Aspen Grid and seven silt samples were taken where small streams crossed the grid lines.

To the south of the Aspen Grid, but still north of Sheep Creek is the **Salmo Consolidated Grid.** 400 metre spaced grid lines run from 145N to 169N, with sample intervals at 50 metres. Two lines 155N and 159N were placed at 200 metre spacing in the vicinity of the old Salmo Consolidated workings. Grid lines extend from 75+00E to 93+00E where terrain allows. A total of 9.85 line kilometres were surveyed and 206 soil samples collected. Four silt samples were taken during the course of soil sampling, when small streams crossed the grid lines.

In total, 1911 '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. 16 silt samples were collected from small streams encountered while soil sampling on the Jersey Extension, Salmo Consolidated and Aspen Grids. All samples were placed in numbered kraft envelopes and shipped to Acme Labs Ltd. in Vancouver for analysis. 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 31-element analysis was also carried out using the ICP-AES analytical method.

PRESENTATION AND DISCUSSION OF RESULTS

JERSEY GRID

On the Jersey Grid soil sample results gave zones of anomalous values for gold, arsenic, bismuth, silver, copper, lead, zinc, cadmium, tungsten, molybdenum, and barium. Figures 21 to 31 show soil sample values and contours for the above elements. Many of these anomalous areas correlate to previous workings, but some represent new untested targets.

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 Figures 26 and 27). The very high zinc and lead soil anomalies from L81N to L87N centring on 37+00E, are related to the this deposit, and contain values of >5000 ppm Zn, with the highest being 15,186 ppm Zn, and lead values of 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.

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 Figures 26 and 27). 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 Figure 28).

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 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. 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.

Anomalous tungsten values cover a large area over the tungsten mill site, are can be attributed to the Dodger and Emerald Tungsten deposits (see Figure 29). 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.

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. The gold, bismuth and arsenic results confirm the presence of the contiguous **Emerald Gold Zone**.

The **Emerald Gold Zone** is a linear south-southeasterly trending anomaly, heading south from the Emerald pit as seen on the gold soil sample map (Figure 21). This anomaly correlates with the base of the Reeves limestone. During 1996, four short infill soil lines were run along the basal limestone contact, and samples collected at 25 metre intervals to better define this zone. The anomaly trends from L87N to L93N near 32+00E and is coincident along its northern portion with the Emerald Tungsten Deposit. Gold values in soils from L87N to L93N are 214, 199, 21 and 74 ppb respectively. Slightly elevated arsenic (to 104 ppm) is also associated with this anomalous trend (see Figure 23).

An interesting feature on Figure 31 shows extremely high barium values in soil samples taken in the northwest and southwest portion of the Jersey Grid. 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 in the northwest run from L105N to L111N, centred at 33+50E, while the second goes from L105N to L107N, centred at 36+50E. Both anomalies are about 150 metres wide. The highest value returned from the ICP analysis in this first anomalous area is 4525 ppm Ba at L111N, 33+50E and in the second area is 2893 ppm Ba with several stations returning values of >1000 ppm Ba. The first anomalous trend occurs approximately 200 metres west (uphill) from the second zone and from the main Leroy workings. Interestingly, a zinc anomaly of 1083 ppm on L111N, 32+50E appears to be related to this barium anomaly.

The barium anomaly in the southwest portion of the grid correlates roughly to the Emerald Gold Zone trend (from L84N, 28+00E to L90N, 33+00E), with values up to 6441 ppm Ba at L84N, 28+00E. Along this trend, several stations returned >1000 ppm Ba.

The **East Ridge Zone** was discovered in 1995 as a geochemically anomalous area on the east side of the 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 Figures 22, 25, 27 and 28). 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, and the highest value being 655 ppm Cu. Silver values within the East Ridge Zone are generally >1.0 ppm with the highest values returned (5.8 and 5.6 ppm Ag) occurring on near east end of L93N. Zinc values within this area are >1000 ppm, with the highest sample value being 6353 ppm Zn at L92N, 59+75E. High cadmium values correlate well to high zinc values with many samples in the East Ridge Zone returning >10.0 ppm Cd, and 101.9 ppm Cd coincident with the highest zinc value. As well, background values for molybdenum in the East Ridge Zone are slightly elevated, returning 10 to 20 ppm Mo at several stations (see Figure 30).

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 Ridge multi-element anomalies) (see Figure 31). This anomalous barium trend correlates well with the position of the limestone outcrops, and as in the northwest and southwest areas of the Jersey Grid is related to the limy unit. Along this trend the highest value of 4861 ppm Ba was returned from L93N, 45+50E.

POSIE - TRUMAN HILL GRID

The Posie - Truman Hill Grid, extended to the west in 1996 to cover the Truman Hill and Trillion showings is located south of the Jersey Grid and south of Lost Creek. In the eastern half of the grid (underlain by black argillites of the Active Formation), anomalous zones of zinc, cadmium, silver, copper, gold, molybdenum, and barium are outlined. High zinc values occur throughout the eastern half of the grid, with about half of the samples returning >1000 ppm Zn (see Figure 44). Near the centre of this area, several stations give results of >3000 ppm Zn with >5000 ppm Zn occurring at L55N, 40+25E; 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 to the zinc highs (see Figure 45). 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 Figure 41). 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 Figure 42). The highest copper value of 609 ppm Cu occurs at L61N, 37+00E.

Trending roughly south-southwest down the centre of the grid is a second sub-parallel copper anomaly running from L51N, 28+00E to L64N, 32+50E with the highest value of 671 ppm Cu at L57N, 30+50E. A coincident anomaly of 8.2 ppm Ag also occurs at this station. High silver in the central portion of the grid can also be seen at L51N, 25+00E with a value of 6.3 ppm Ag. A trend of anomalous zinc values from L57N to L59N, centred at 30+50E contains >2000 ppm Zn. Also in this central area, a 300 metre wide band of anomalous barium values (>1000 ppm) can be seen. >2000 ppm Ba occurs at L61N, 33+00E; L57N, 30+50E; L53N, 27+50E; L51N, 29+00E.

On the western edge of the Posie - Truman Hill Grid, detailed soil samples were collected over the area of the Truman Hill and

Trillion showings. Spotty gold and lead soil geochemical values occur in this area, with gold values of 25 ppb Au at L55N, 22+75E and 23 ppb Au at L53N, 23+00E and lead values of 561 ppm Pb at L51N, 25+00E and 859 ppm Pb at L64N, 31+50E.

Single station gold soil anomalies are found throughout the Posie - Truman Hill 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.

TUNGSTEN KING GRID

In the Tungsten King Grid area, the main mineralization seen in outcrop trends roughly north-south through the centre of the grid. This area had detailed soil sampling from L81N, 26+00E to 30+00E to L68N, 28+00E to 31+50E. In this detailed area, gold soil values are spotty throughout from 35 ppb Au at L73N, 29+50E to 75 ppb Au at L69N, 29+75E (Figure 32). An arsenic trend in this area runs from L76N to L79N, centred at 27+25E, with the highest value of 217 ppm As at L78N, 27+25E (Figure 34). Spotty lead, zinc and cadmium anomalies in this area return values of up to 1112 ppm Pb at L72N, 30+50E and 2257 ppm Zn with 42.4 ppm Cd at L79N, 30+50E (Figures 35 to 37). These lead, zinc and cadmium soil anomalies correlate to lead-zinc mineralization within limestone-dolomite, and the gold-arsenic anomalies correlate to pyrrhotite mineralization in skarn.

At L75N, 21+50E highly anomalous values for most elements were returned from the soil samples. This station is located adjacent to a small creek which drains the tungsten tailing area, as is anomalous due to contamination.

To the east of the detailed area, a 400 metre long lead-zinc anomaly occurs in an area of no outcrop coincidental highs of 917 ppm Pb and 3120 ppm Zn at L73N, 34+00E. A single station gold anomaly of 28 ppb Au at L77N, 37+00E, can be seen in the east portion of the grid in an area of glacial till.

JERSEY EXTENSION GRID

To the east of the Jersey Grid, the 2000 metre Jersey Extension Grid shows soil anomalies of silver, copper, lead, and zinc (Figures 61 to 64). Copper is slightly elevated (100 to 200 ppm Cu) in the eastern third of the grid area, with coincident silver values of >1.0 ppm Ag. Zinc values in this area tend to be >1000 ppm Zn with the highest value of 2627 ppm Zn at L103N, 66+00E. These anomalies likely relate to background elevations of these element in black argillites, as seen in the East Ridge Zone.

From L95N to L103N, centred at 67+00E is a band of anomalous lead values up to 279 ppm Pb. This soil trend is roughly coincident with the contact area between the black argillites and a granitic intrusive.

SALMO CONSOLIDATED GRID

The most significant soil geochemical anomaly on the Salmo Consolidated Grid can be seen on the gold geochemistry map (Figure 48). This anomaly can best be seen on L157N at 81+00E (205 ppb Au), 83+00E (103 ppb Au), 83+50E (47 ppb Au), 84+50E (39 ppb Au) and on L161N at 87+00E (50 ppb Au), 87+50E (180 ppb Au), 88+00E (48 ppb Au). This gold anomaly is surrounded by several stations with 10 to 20 ppb Au in soils.

A coincident copper and silver soil anomaly occurs at L157N, 79+00E with values of 381 ppm Cu and 2.7 ppm Ag. L157N, 83+00E also has 4.2 ppm Ag. At the north end of the grid, again in the black argillites, several stations exhibit elevated silver values of >1.0 ppm Ag.

In the area of the Salmo Consolidated workings, high lead soil values (>100 ppm Pb) were obtained along L157N from 82+00E to 85+50E with the highest value of 984 ppm Pb at station 83+00E.

Spotty single station zinc (>1000 ppm) and cadmium (>10 ppm) soil anomalies occur throughout the grid area.

ASPEN GRID

On the Aspen Grid, soil anomalies for in gold, silver, copper, zinc and cadmium can be seen in Figures 55 to 59. Gold occurs as spot highs of >10 ppb Au throughout the grid, with the highest value of 84 ppb Au occurring at L180N, 75+50E. An anomalous silver trend can be seen from L180N, 71+75E to 73+50E to L188N, 70+00E to 72+50E, with the highest silver value of 8.4 ppm Ag located at L188N, 71+00E. Near the centre of the grid, a coincident silver and copper geochemical anomaly of 3.2 ppm Ag and 250 ppm Cu occurs centred at L184N, 76+50E. In the southeast corner of the grid area, elevated zinc values of 1000 to 2000 ppm Zn (with coincident elevated cadmium values) likely relate to outcrop exposures of black Active Formation argillites.

4.0 DIAMOND DRILLING

A total of three underground and thirteen surface diamond drill holes were completed on the Jersey-Emerald Property in 1996. Underground drilling was done in July and surface drilling in August through October. A skid mounted Longyear Super 38 diamond drill was used on surface, and a Lambardini compressed air drill was used underground. Holes ranged from 27 metres to 262 metres in depth. Drill logs can be found in Appendix C, a recovery and sample information table can be found in Appendix D, and assay certificates for samples collected from the drill holes can be found in Appendix E. Collar information can be seen in Table II below.

TABLE II

DRILL COLLAR INFORMATION

HOLE #	GRID N (metres)	GRID E (metres)	ELEV. (metres)	AZIMUTH (°)	DIP (°)	LENGTH (metres)
UG96-1	6000(mine)	8625(mine)	1265	142	+68	35.66
UG96-2	6000(mine)	8625(mine)	1265	142	+32	27.12
UG96-3	6000(mine)	8625(mine)	1265	105	+65	32.00
Z96-1	BLACKROCK		1100	280	-45	65.23
Z96-2	9204	6055	1530	272	-80	262.43
Z96-3	8903	5878	1440	272	-60	201.78
Z96-4	8683	5687	1380	283	-70	167.94
Z96-5	9842	4307	1620		-90	182.58
Z96-6	8685	3764	1350		-90	105.16
Z96-7	8685	3764	1350	270	-75	86.87
Z96-8	8455	3809	1305		-90	102.41
G96-1	10728	3642	1280	280	-45	63.40
G96-2	10741	3603	1315		-90	72.29
G96-3	8908	3310	1220	270	-60	66.45
G96-4	9720	3878	1340		-90	30.78
G96-5	9250	4400	1502	090	-80	204.89

The three underground drill holes were all collared at mine coordinates 6000N and 8730E, accessed via the Dodger 4200 crosscut. These holes targeted the Bismuth Gold Zone, a massive pyrrhotite-arsenopyrite and adjacent quartz-bismuth mineralized band seen nearby and dipping away from the mine workings. Figure 66 shows the location of the underground drill holes, and Figure 68 has plotted sections through these holes. Hole UG96-1 intersected massive sulphide mineralization from 17.52 to 29.58 metres and averaged about 3.5 g/t Au over 9.0 metres. Hole UG96-2 intersected a narrower band of massive sulphide mineralization from 19.20 to 21.60 metres, but did not return any significant gold values. This hole was stopped short of the main Bismuth Gold Zone due to drilling problems. Hole UG96-3 did not intersect massive sulphide mineralization, but instead intersected two subparallel quartz veins with pyrite and arsenopyrite at the approximate depth that the sulphide mineralization was expected to occur. One of veins returned low gold values up to 2.28 g/t from 16.95 to 18.13 metres. Lead-zinc mineralization was encountered near the collar in these holes with values of 1.25% Pb, 1.50% Zn in UG96-1 from 5.20 to 6.37 metres and 1.13% Pb, 6.80% Zn in UG96-2 from 4.12 to 6.13 metres and 2.93% Pb, 6.67% Zn in UG96-3 from 7.55 to 8.18 metres. These values likely represent an unmined portion of the historical E Zone lead-zinc mineralization.

The location of surface drill holes can be seen on Figure 67. Drill hole G96-5 was drilled to intersect the Bismuth Gold Zone approximately 200 metres north of the underground drill holes (see Figure 72). A massive pyrrhotite-pyrite-arsenopyrite band, which correlates well with that hit in UG96-1 was intersected in G96-5 from 170.76 to 179.55 metres. Gold values for this entire section average about 2 g/t, with included values of 8.33 g/t Au from 176.7 to 178.7 metres. These massive sulphide intersections occur near the base of the Reeves Member limestone.

To the west side of the Jersey Mine area, the Emerald Gold Zone, intersected in drill hole G96-3, has many similarities to the Bismuth Gold Zone. The massive pyrrhotite band lies at the base of the Reeves Member limestone and often contains pyrite and arsenopyrite. Drill hole G96-3 intersected 4.12 g/t Au from 20.97 to 22.05 metres (Figure 70). Sampling in the Emerald pit 300 metres to the north returned several samples of 1 to 2 g/t Au over 1 metre, and in 1994 drill hole J94-1 (300 metres to the south) intersected 28.0 g/t Au over .9 metres.

The Bismuth Gold Zone and Emerald Gold Zone both require additional drilling to fully assess their size and grade potential.

Holes G96-1 and G96-2 were drilled to test the down dip extension of the Leroy Gold Zone (Figure 69). The Leroy Gold Zone is exposed for 800 metres by surface trenching, with a quartz and massive pyrrhotite band averaging 1 metre in width. Surface samples of up to 29.0 g/t Au were obtained from this mineralized band. The mineralization appears to be confined to the base of the Reeves Member limestone, immediately above its contact with the Emerald argillite/phyllite. No quartz or massive sulphide mineralization was intersected along this contact in either drill hole, although the argillite/phyllite was extremely silicified throughout and contained abundant disseminated pyrrhotite.

Near the Emerald Lead-Zinc adits, hole G96-4 was drilled to test the presence of arsenopyrite mineralization described in drill holes in this vicinity from the 1940s. Arsenopyrite was described as being from 25 to 30 metres in depth, and was not analyzed for gold. Hole G96-4 intersected disseminated arsenopyrite in brecciated, silicified skarn from 27.64 to 28.19 metres, but only returned .11 g/t Au (Figure 71). Molybdenite and scheelite mineralization was also present in the skarn.

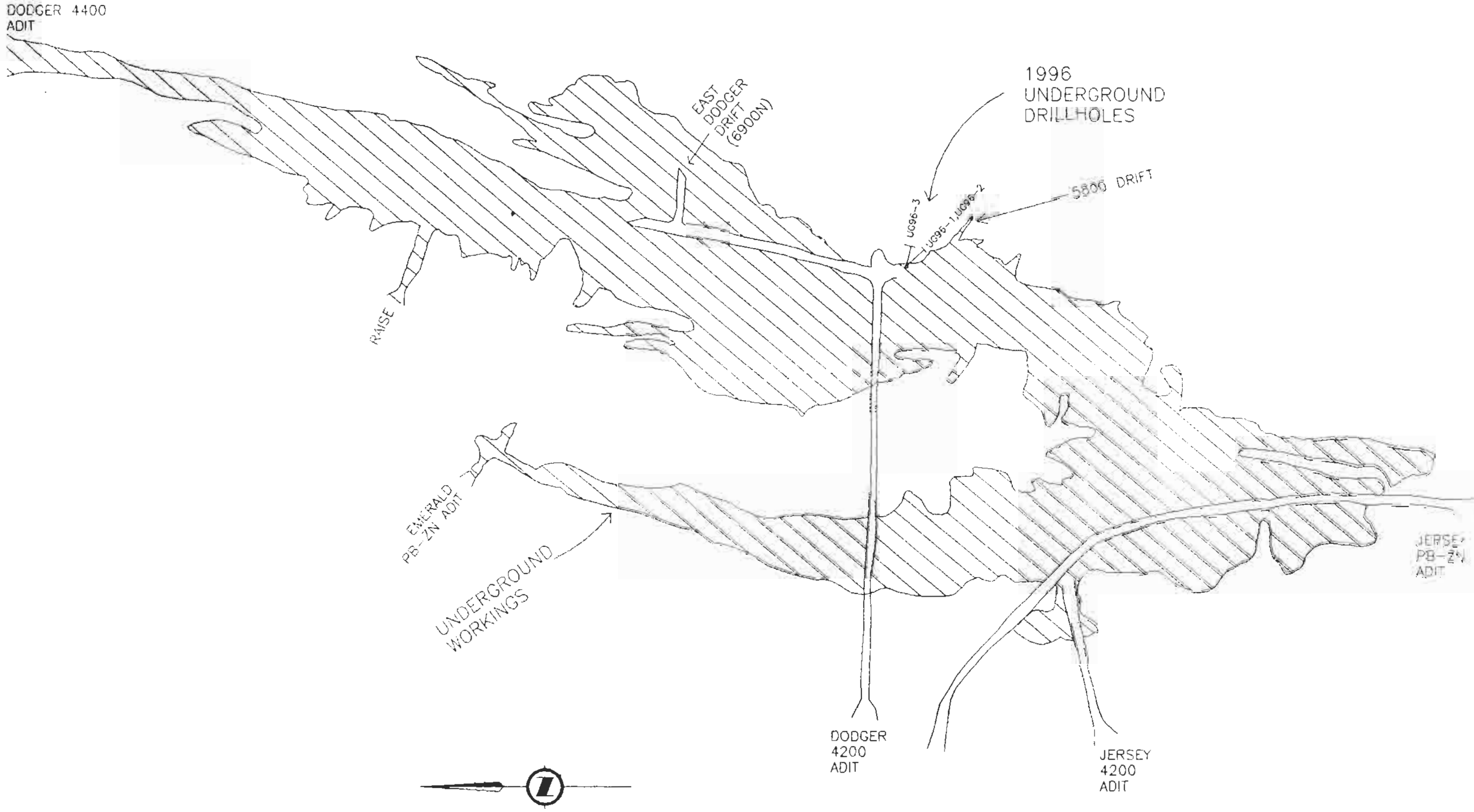
Drill hole Z96-1 tested the down dip extension of the lead-zinc bearing dolomite horizon exposed at the Blackrock South showings (Figure 73). A shallow flat lying fault was intersected where the mineralization was anticipated to occur, bringing argillites near surface. The potential of this zone is therefore greatly diminished.

The East Ridge Zone (formerly called the Iron Mountain Zone) is a geochemically anomalous area of copper, silver and zinc located within black argillites of the Active Formation, adjacent to a skarny limestone band. Three drill holes (Z96-2, 3 and 4) along a 600 metre section drilled through the argillite into limestone and back into argillite (Figure 74). All three holes, and especially Z96-2 had abundant disseminated pyrrhotite-pyrite with lesser sphalerite and chalcopyrite in their upper argillite unit. Over its top 85 metres, hole Z96-2 ran .14% Zn, .04% Cu and 2.5 g/t Ag. No sulphide mineralization was observed in the limestone unit, but heavily disseminated pyrrhotite-pyrite with trace sphalerite and chalcopyrite occurs in the lower argillite. Sphalerite and chalcopyrite most often occur quartz stringers or tremolitic (skarny) bands within the argillite.

Holes Z96-5 to 8 were drilled in the vicinity of the Jersey Lead-Zinc Mine to test the northern and western extension of the known ore horizons and to located the Lower Jersey Horizon dolomite band. Hole Z96-5 was drilled at the north end of the mine area, and intersected the extension of the mine's D Zone with 3.75% Pb and 18.28% Zn from 6.25 to 8.53 metres (Figure 75). The Lower Jersey Horizon was intersected but contained only very low grade lead-zinc mineralization.

Holes Z96-6 and 7 were drilled from the same collar location, east of the Jersey 4200 portal. Both holes intersected major faults in the mineralized area, with argillite and granite interfingering below the faulted zones (Figure 76). A narrow band of massive galena mineralization was seen in Z96-6. The best results from these holes is 10.99% Zn from 54.86 to 55.46 metres and 13.75% Pb, 1.89% Zn from 56.85 to 57.79 metres in Z96-6. These intersections represent a westward extension of the A Zone, while the Lower Jersey Horizon appears to be faulted off.

Drill hole Z96-8 was located approximately 250 metres south of holes Z96-6 and 7. This hole intersected a number of vugs, caves, oxide zones and faults. A Zone mineralization was intersected, returning 2.33% Pb, 1.66% Zn from 35.66 to 38.71 metres and lower in the hole, in the Lower Jersey Horizon mineralization ran 4.91% Pb, 2.89% Zn from 89.40 to 94.40 metres (Figure 76). This intersection confirms the location and grade of the Lower Jersey Horizon, and requires follow up work to determine its significance.



SULTAN MINERALS INC.

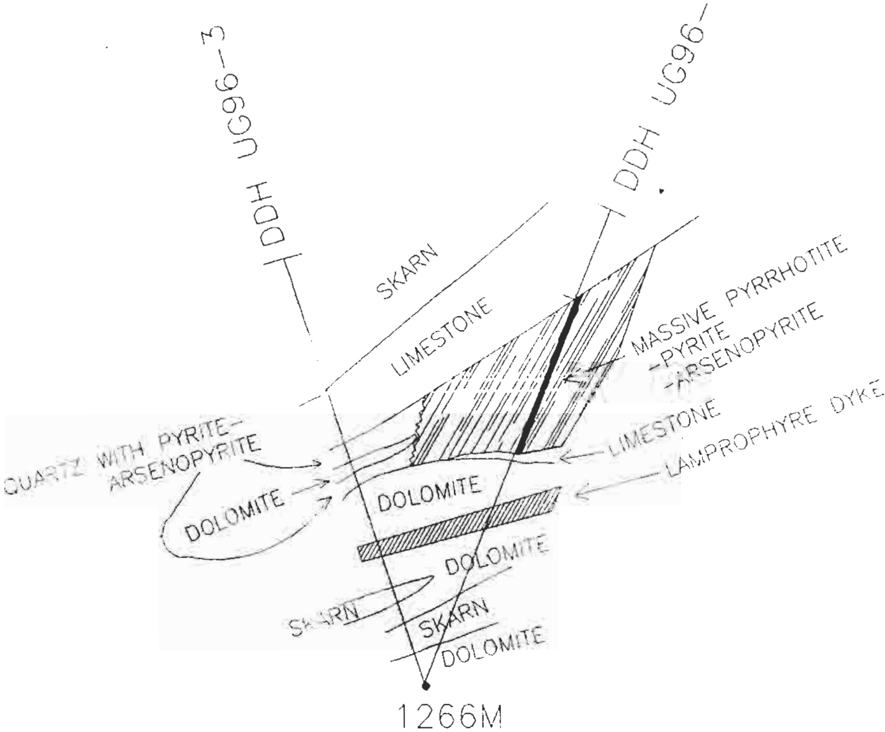
JERSEY PROJECT

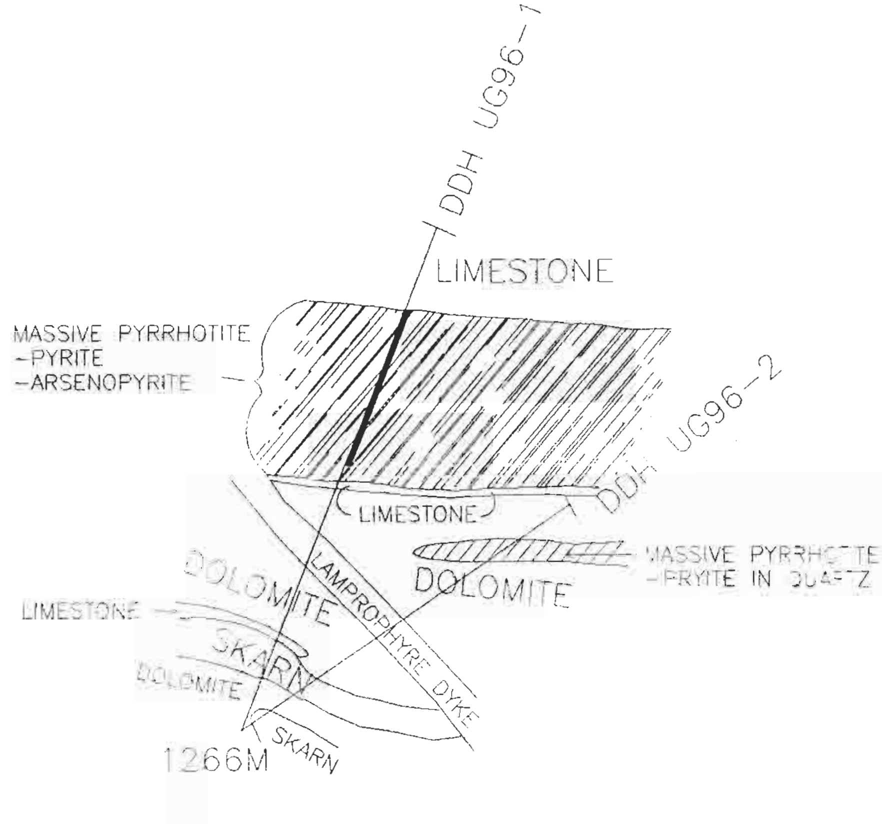
NELSON MINING DIVISION

UNDERGROUND DRILLHOLE LOCATIONS

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 66
DATE: FEBRUARY 04, 1997
SCALE = 1 : 10000





SULTAN MINERALS INC.

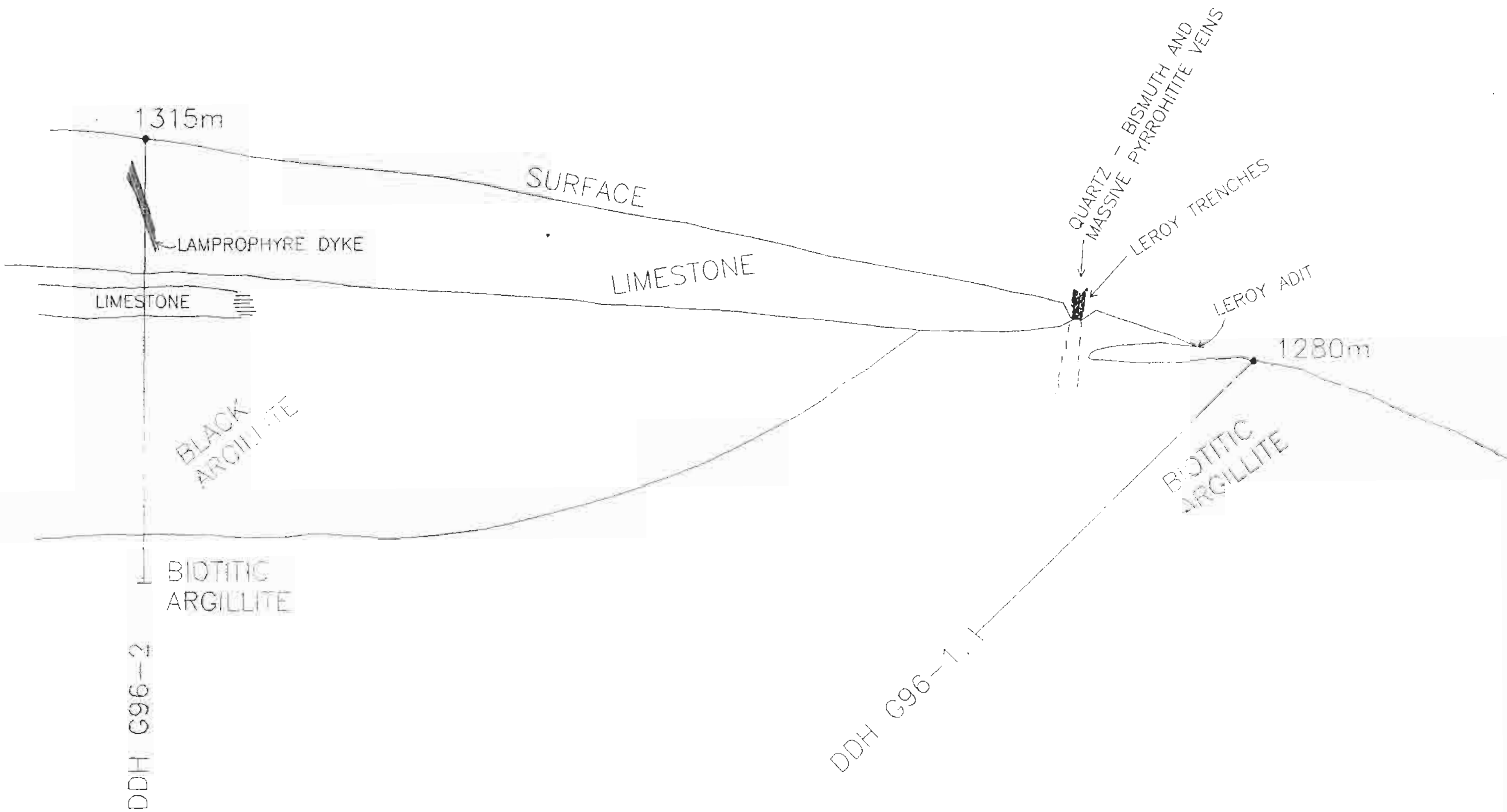
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLE UG96-1,2 AND 3 SECTIONS

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 68
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500



LOOKING NORTH

SULTAN MINERALS INC.

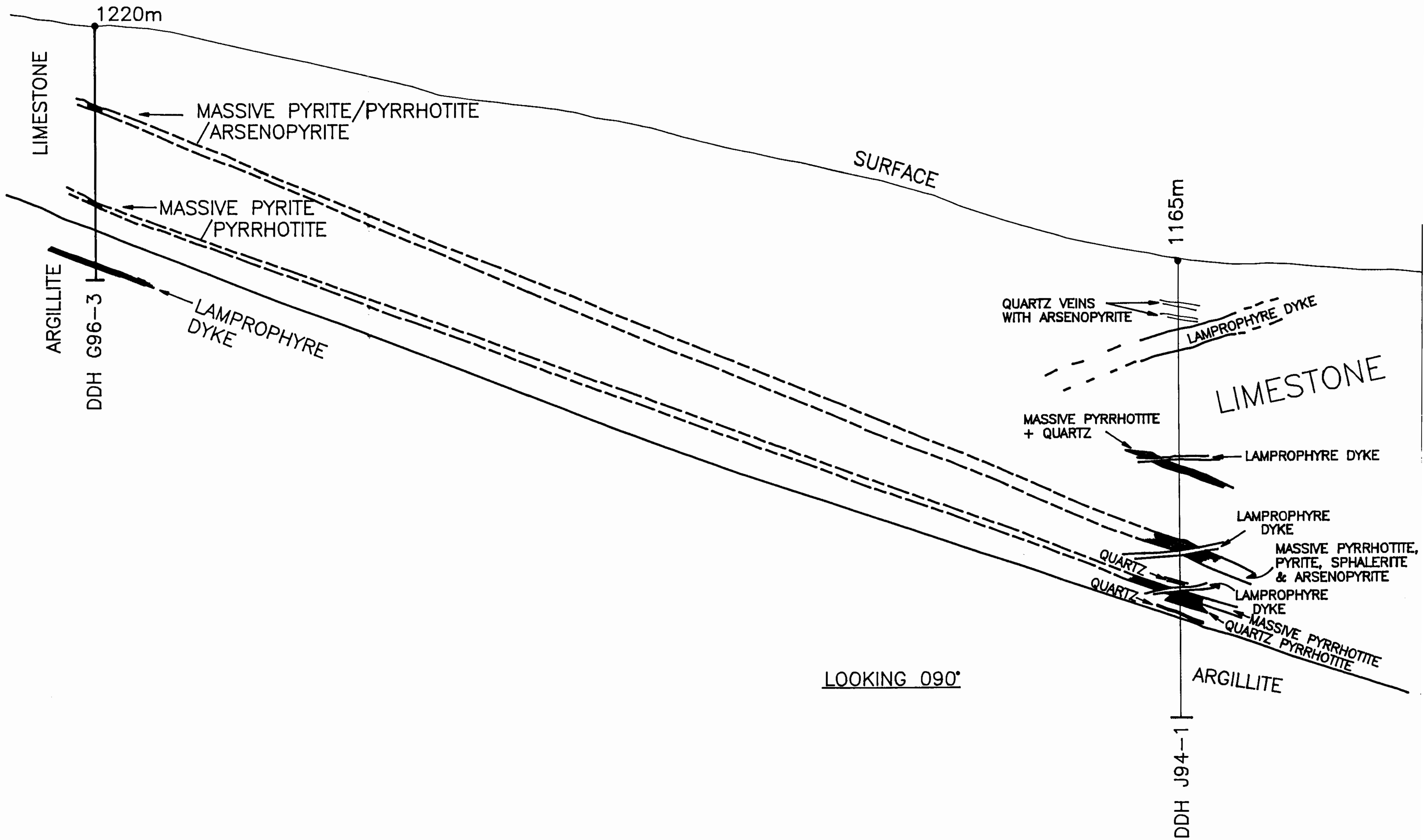
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLES G96-1 AND 2 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 69
DATE: FEBRUARY 04, 1997
SCALE = 1 : 1000



SULTAN MINERALS INC.

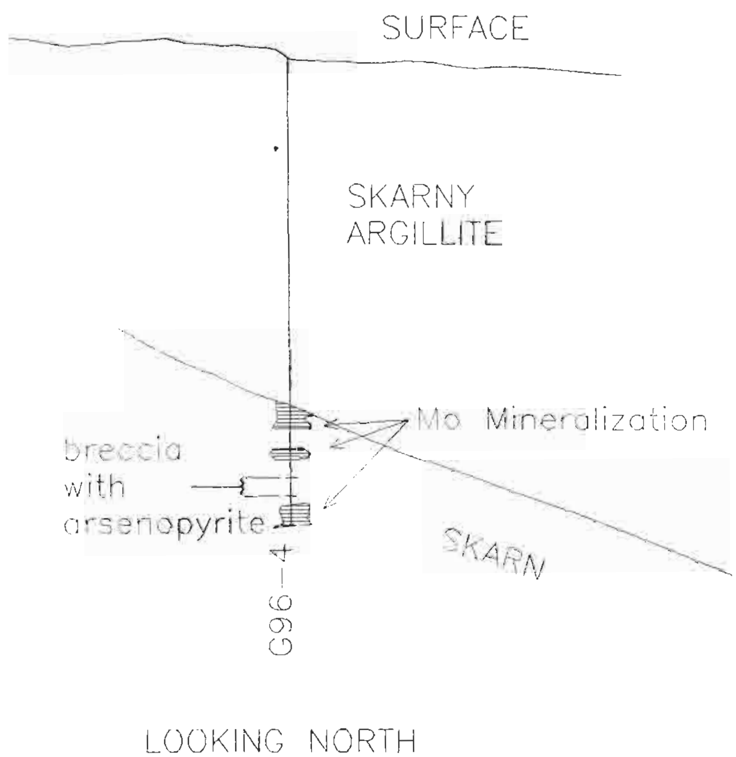
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLES G96-3 & J94-1 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 70
DATE: FEBRUARY 24, 1997
SCALE = 1 : 1000



SULTAN MINERALS INC.

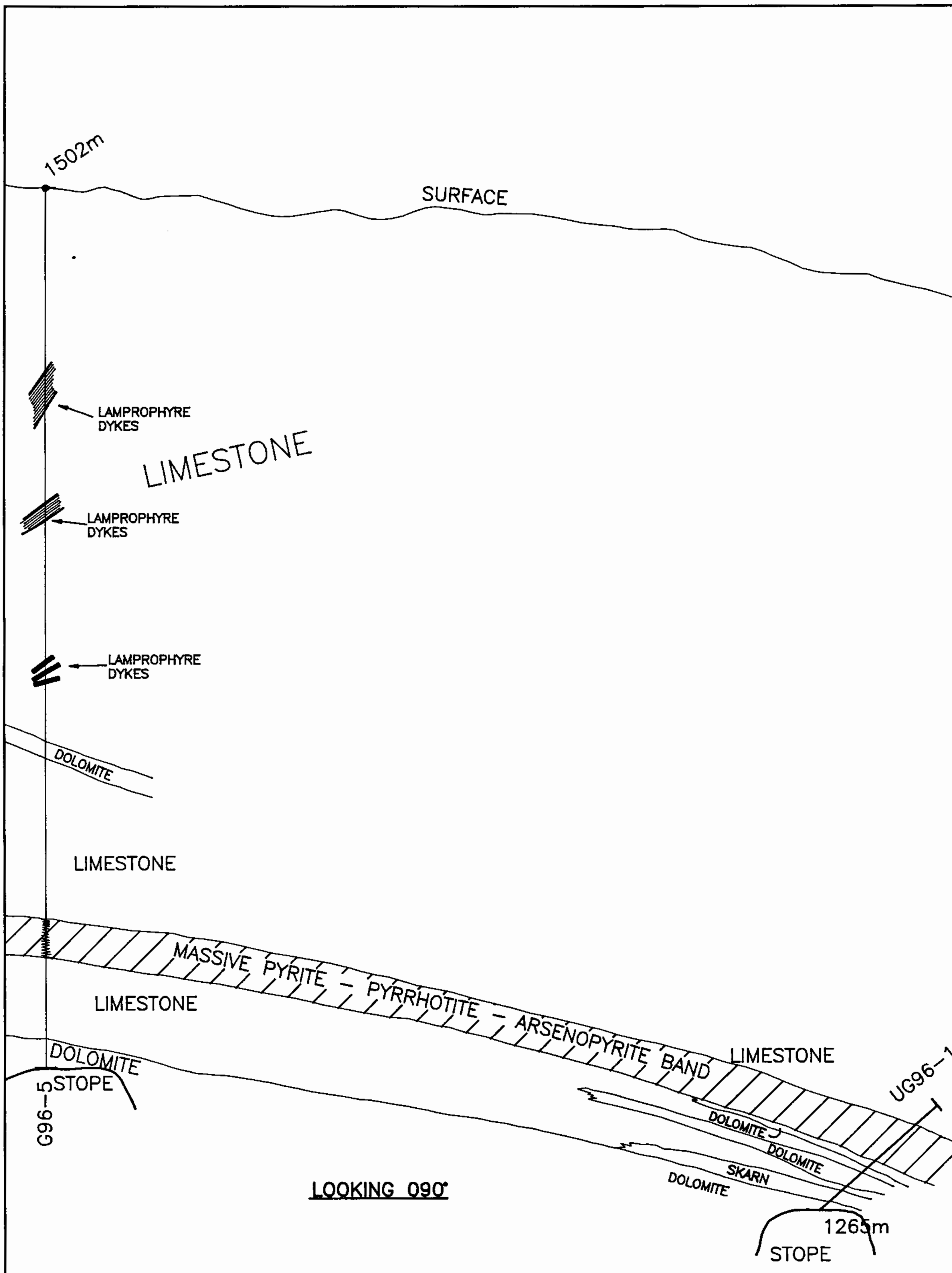
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLE G96-4 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 71
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500



SULTAN MINERALS INC.

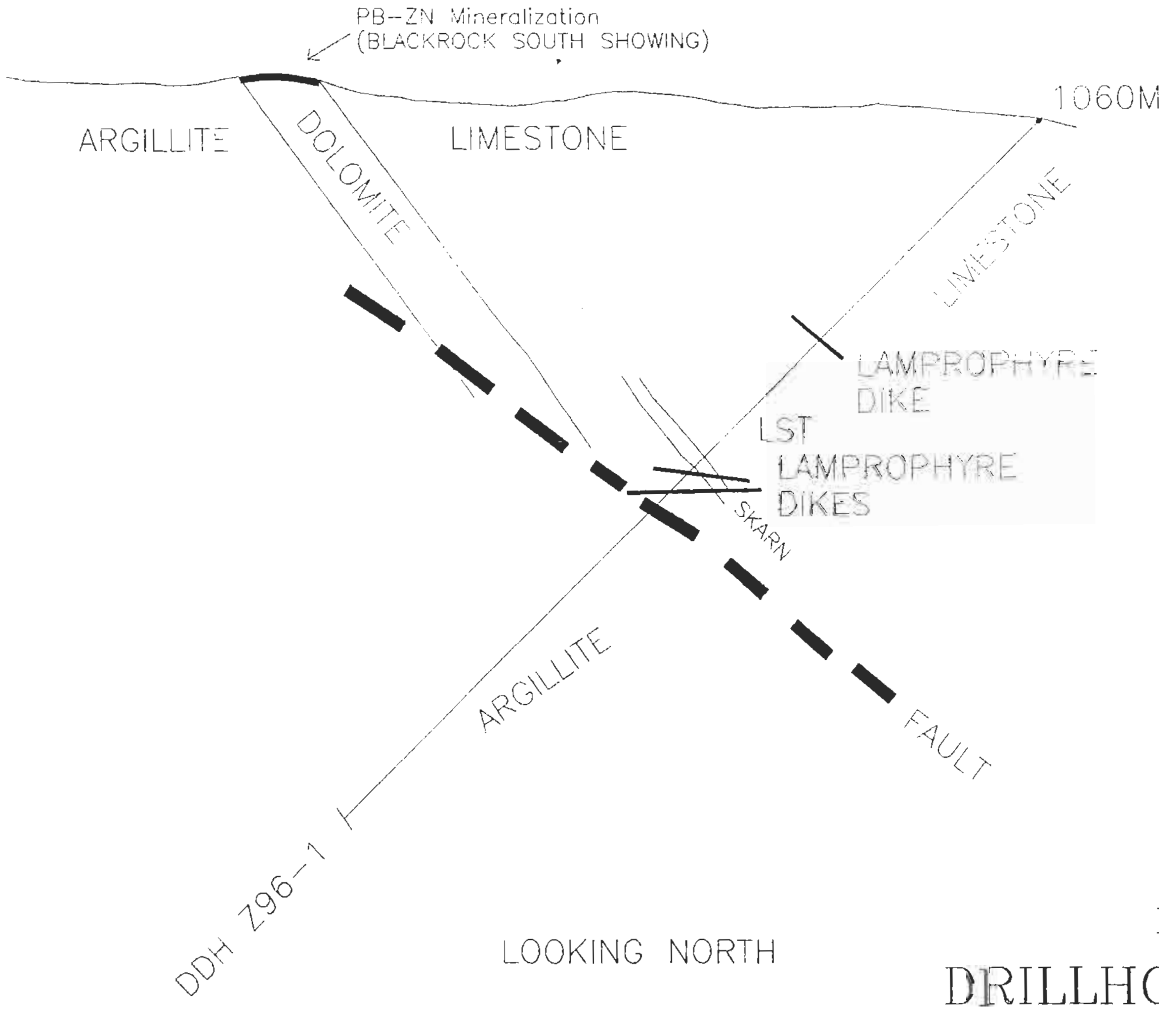
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLES G96-5 & UG96-1 SECTION

BY: I.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 72
DATE: FEBRUARY 24, 1997
SCALE = 1 : 1000



SULTAN MINERALS INC.

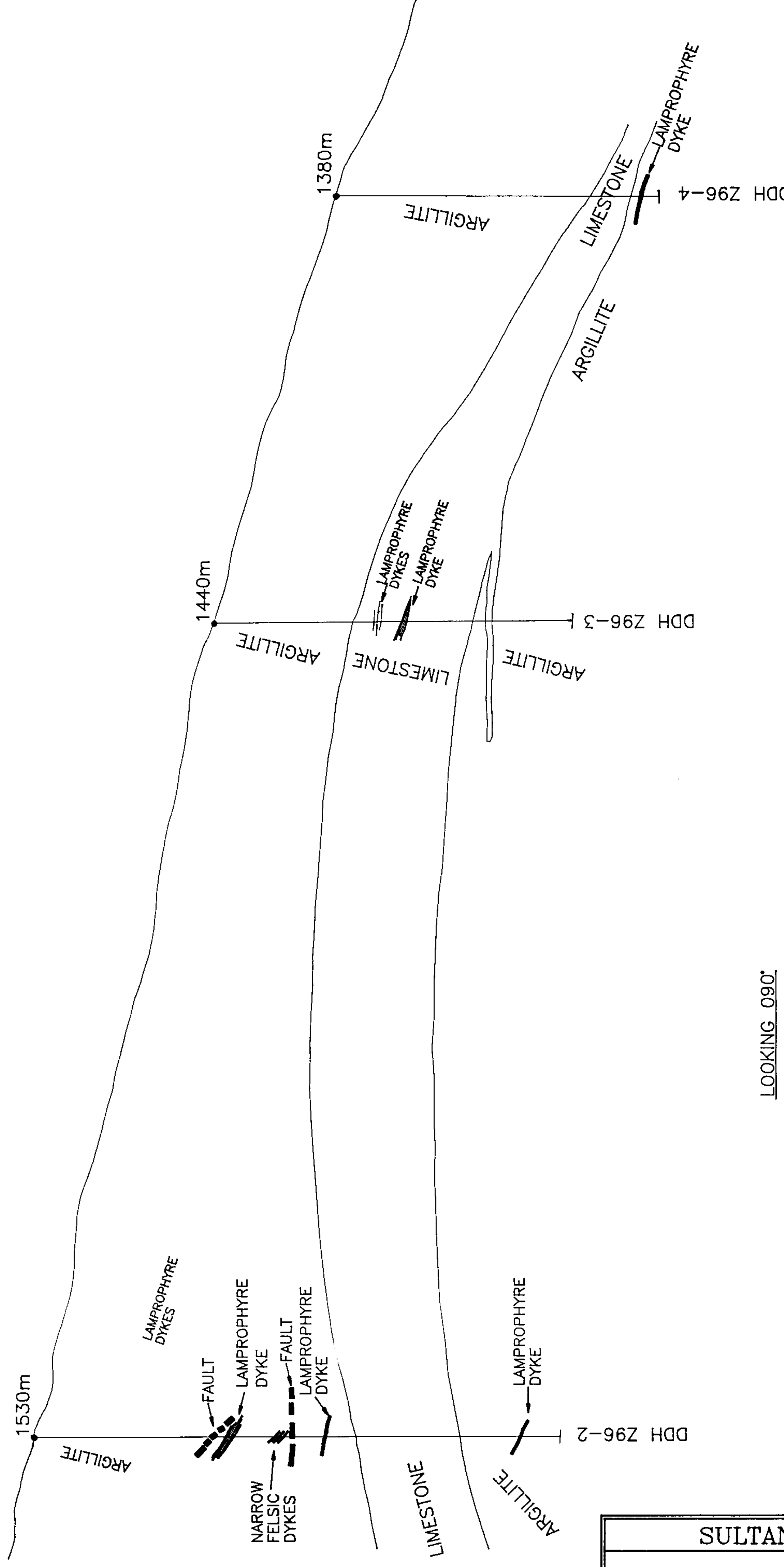
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLE Z96-1 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 73
DATE: FEBRUARY 04, 1997
SCALE = 1 : 500



SULTAN MINERALS INC.

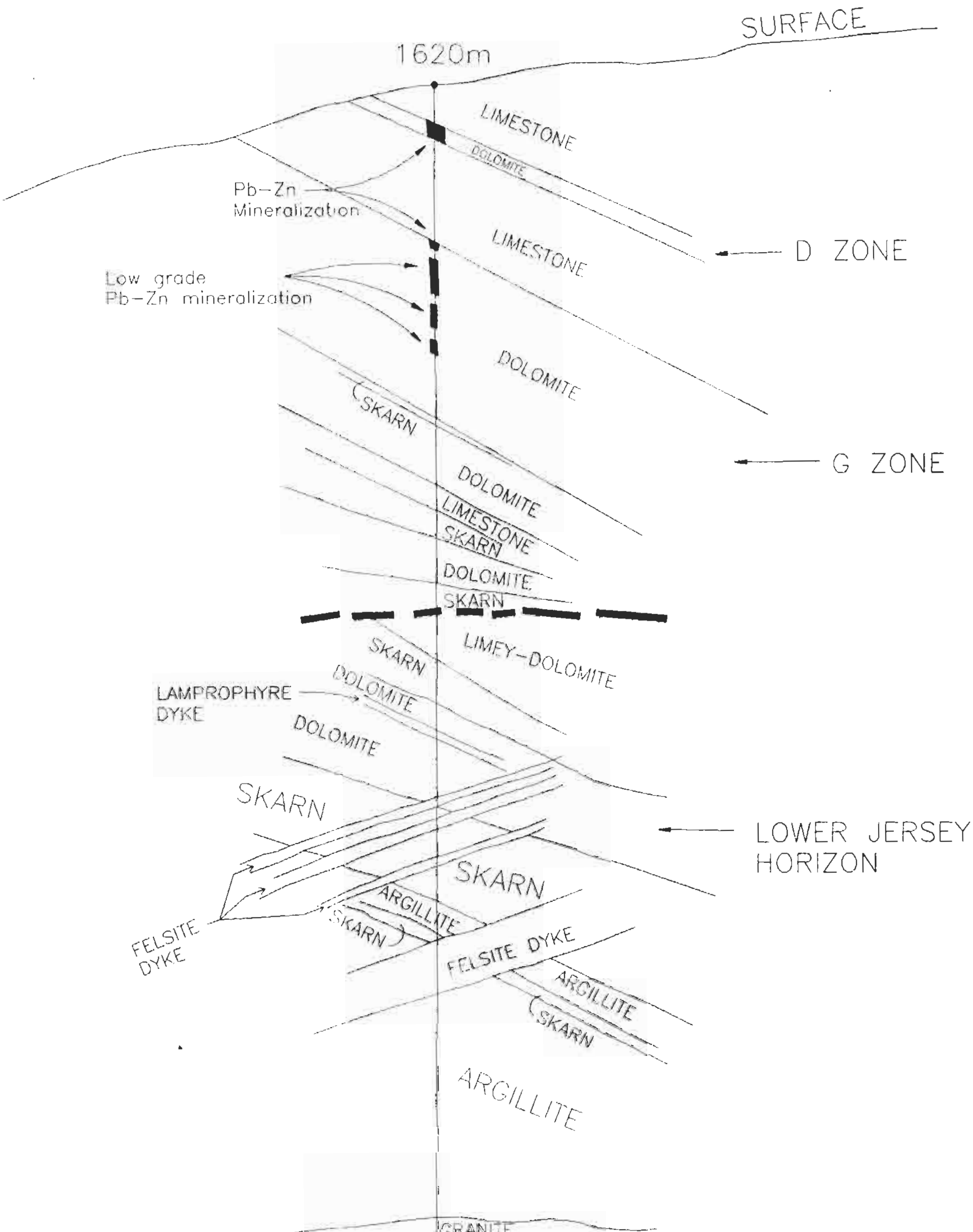
JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLES Z96–2,3 & 4 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 74
DATE: FEBRUARY 16, 1997
SCALE = 1 : 2000



LOOKING NORTH

SULTAN MINERALS INC.

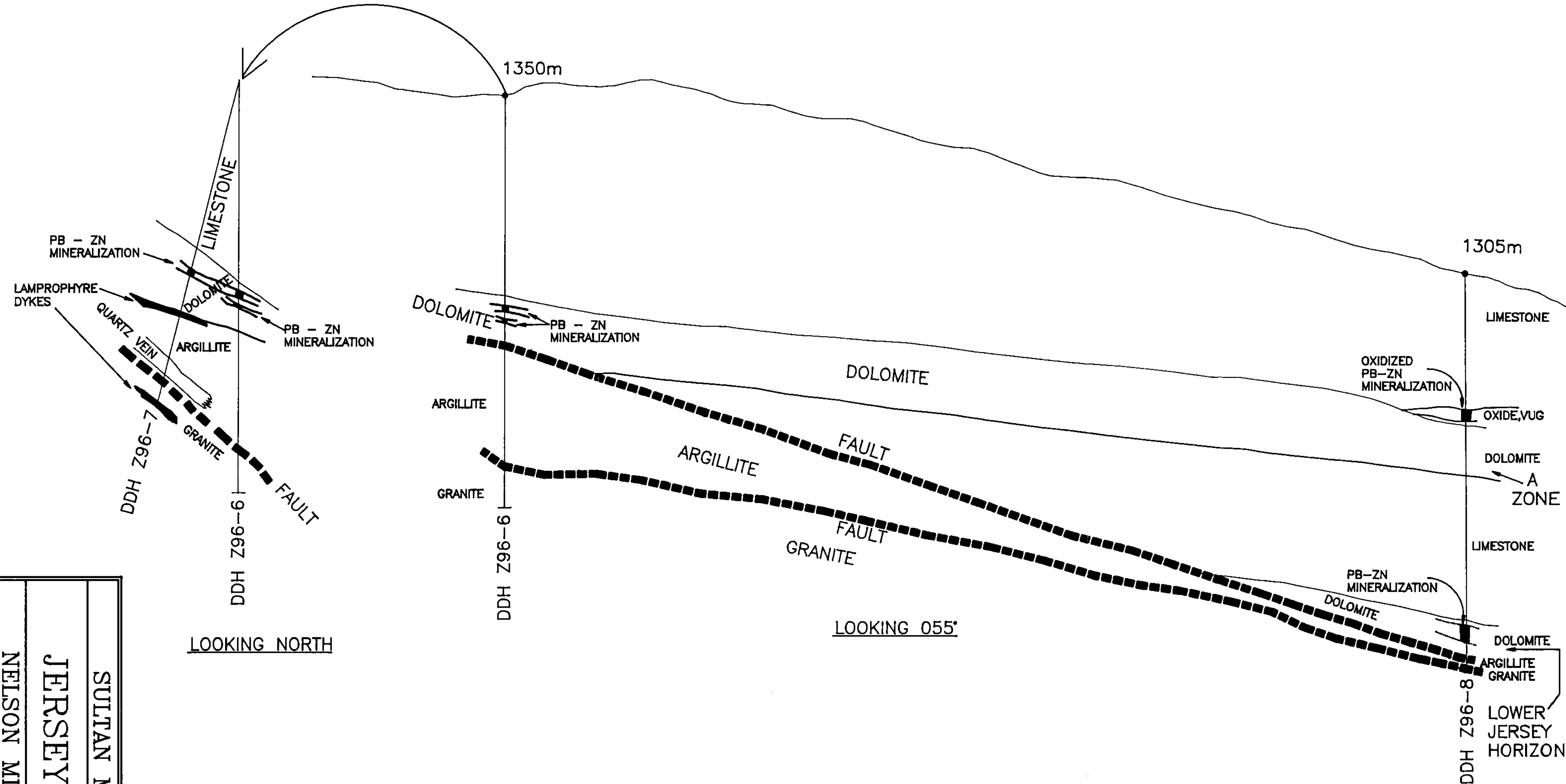
JERSEY PROJECT

NELSON MINING DIVISION

DDH Z96-5 SECTION

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 75
DATE: FEBRUARY 04, 1997
SCALE = 1 : 1000



SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

DRILLHOLES Z96-6,7 & 8 SECTIONS

BY: L.D.
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 78
DATE: FEBRUARY 24, 1997
SCALE = 1 : 1000

5.0 CONCLUSIONS

Several styles of mineralization were defined on the Jersey Property during the 1996 field season. The more significant of the mineralized zones are summarized below.

JERSEY MINE AREA - Mineralization in the mine area includes: lead-zinc replacement ore, tungsten skarn (both massive pyrrhotite and banded), and gold skarn (massive pyrrhotite-arsenopyrite, with lesser quartz-bismuth).

The most important target areas defined within the mine area are:

Bismuth/Emerald Gold Zones are located along the east and west flanks of the Jersey mine at or near the base of the Reeves Limestone. Massive pyrrhotite-arsenopyrite bands of 1 to 9 metres thickness contain varying amounts of gold as high as 28 g/t Au over 1 metre sample widths.

The Lower Jersey Horizon is a lead-zinc bearing (Reeves Member?) dolomite band located approximately 55 metres below the previous mined areas. The dolomite band, with zones of lead-zinc mineralization, may underlie the entire Jersey Mine. 1996 diamond drilling (hole Z96-8) intersected mineralization in the Lower Jersey Horizon which ran 4.91% Pb, 2.89% Zn over a 5 metre width.

Additional drilling is required to fully test the importance of both the Bismuth/Emerald Gold Zones and the Lower Jersey Horizon.

TUNGSTEN KING - To the south of the Jersey Mine area, the Tungsten King showings consist of gold-bearing massive pyrrhotite skarn, gold-silver-lead bearing rusty cerussite bands and replacement style banded lead-zinc mineralization in Reeves Member dolomite. Mineralization values of up to 11 g/t Au, and 8% combined Pb/Zn have been obtained indicating the importance of this area. The Jersey Lead-Zinc Deposit lead-zinc mineralized limestone/dolomite host rocks may in fact trend south to the Tungsten King, and the high gold areas may be related to the adjacent Bismuth/Emerald Gold Zones. Poor outcrop exposure in this area makes mapping and sampling difficult, therefore excavator trenching is recommended in order to expose fresh outcrops.

TRUMAN HILL - TRILLION - On the south side of Lost Creek, the Tungsten King South, Truman Hill and Trillion showings consist of lead-zinc-silver mineralization exposed within a 60 centimetre band of Reeves Member dolomite. The mineralization runs up to 10% combined Pb/Zn and up to 59 g/t Ag. This mineralized dolomite band may represent a continuation of the Tungsten King mineralization, but thick till cover in the Lost Creek valley make correlations difficult.

SALMO CONSOLIDATED

Soil and rock samples collected in the Salmo Consolidated area indicated the presence of significant amounts of gold and silver with the lead-zinc mineralization. Mineralization occurs in silicified vein/shears up to 1 metre wide in altered granite, or in slices of lead-zinc bearing limestone (roof pendants?) found within the granite. Rock samples from the silicified vein/shears returned up to 6% combined lead-zinc, 88 g/t Ag and .2 to .5 g/t Au, those taken from mineralized limestone gave 5% combined Pb/Zn, 183 g/t Ag and 2.5 g/t Au. Of particular significance is a large gold soil geochemical anomaly trending northeast (uphill) from the Salmo Consolidated workings. Detailed geological mapping, infill soil sampling and rock chip sampling is recommended for this area.

SUMMIT

The Summit claims were optioned late in 1996, therefore only a few rock samples were collected. Very high gold and silver values were obtained from lead-zinc bands that range from hairline to 1 metre in width, within a dolomite unit. Samples collected returned 1 to 11% combined Pb/Zn, up to 107 g/t Ag, up to 59.88 g/t Au (over 6 centimetres) and several samples of >5 g/t Au. The extremely high precious metal values occurring with the lead-zinc mineralization on these claims is very important. Detailed geological mapping and rock chip sampling in areas of mineralization is recommended.

Respectfully submitted,

Linda Dandy

Linda Dandy, P.Geo.

6.0 REFERENCES

Ball, C.W., 1954; The Emerald, Feeney and Dodger Tungsten Orebodies, Salmo, B.C.: Economic Geology, Vol. 49, No. 6, p.625.

Dandy, L., 1996; Geological, Geochemical and Geophysical Report on the Jersey-Emerald Property: Assessment Report.

Fowler, Frank, 1996; Argillite Mapping Project, Dodger Area, Tungsten King, Tungsten King South, Truman Hill - Trillion, United Verde; Unpublished Geological Reports for Sultan Minerals Inc.

Fyles, J.T. and Hewlett, C.G., 1959; Stratigraphy and Structure of the Salmo Lead Zinc Area: B.C.D.M., Bulletin No. 41.

Grunenberg, P.B., 1994; Summary of Research on the Jersey Property, Nelson M.D.: Unpublished Report for Sultan Minerals Inc., 5pp.

Lawrence, E.A., 1974; A Summary Report of the Production History and Geology of the Salmo Division, Canex Placer Limited: Unpublished Internal Report for Canex Placer Limited.

Little, H.W., 1960; Nelson Map Area, West Half, B.C.: Geological Survey of Canada, Memoir 308.

MacDonald, A.S., 1970; The Salmo Lead-Zinc Deposits: A Study of Their Deformation and Metamorphic Features: Unpublished PhD. Thesis, University of British Columbia.

Minfile, 1991; Emerald Tungsten Property, Minfile Nos. 082FSW009 and 082FSW010: Ministry of Energy, Mines and Petroleum Resources, Mineral Resources Division, Minfile Master Report 1991, p.19-21.

Minister of Mines Annual Reports for 1896, 1948 - 1970: British Columbia Department of Mines.

Ray, G.E., 1996; Characteristics of Gold Skarns: Presentation Notes for Short Course on New Mineral Deposit Models of the Cordillera.

Smith, P.A., 1994; Dighem[v] Survey for Sultan Minerals Inc., Salmo Property, British Columbia, NTS 082F/3, 115pp.

Stevenson, J.S., 1943; Tungsten Deposits of British Columbia: British Columbia Department of Mines, Bulletin No. 10.

Troup, A.G., 1995; Diamond Drilling Report on the Jersey Property, Nelson Mining Division, B.C.: Sultan Minerals Inc. Unpublished Assessment Report, 25pp.

Troup, A.G., 1994; Geophysical, Geochemical and Core Research on the Jersey Property, Nelson Mining Division, B.C.: Sultan Minerals Inc. Unpublished Assessment Report, 26pp.

7.0 COST STATEMENT

JERSEY-EMERALD PROPERTY
JUNE 1 TO NOVEMBER 21, 1996

GENERAL COST

Food and Accommodation: 682 mandays @ $27.83		$ 18,980.06
Supplies and Sundry:		14,524.91
Shipments:		3,825.00
Rental Equipment:		
4WD Pickups, 430 days @ $40.63	$17,470.90	
Trailer, 4 hrs @ $25	100.00	
ATV, 22 days @ $50	1,100.00	18,670.90
Fixed Wing:		
Air Canada, Cast-YVR-Kel, 1	$ 390.13	
CAI, Smithers-Cast, rtn, 1	1,017.00	1407.13
Consultant Fees: Archean Engineering Ltd.		12,950.00
Data Entry/Drafting:		10,000.00
Report Preparation:		3,800.00
TOTAL GENERAL COST:		**$ 84,159.00**

GEOCHEMICAL SURVEY

Salaries and Wages: 4 pers, 150 mdays @ $217		$ 32,550.00
Benefits: @ 20%		6,510.00
Assays & Analysis: ACME Labs		
1404 Soil Au + 32 ICP @ $13.20	$18,532.80	
384 Soil Au + 32 ICP @ $11.88	4,561.92	
256 Rock Au + 32 ICP @ $19.55	5,004.80	
54 Rock Au + 32 ICP @ $17.60	950.40	
Overweight Preps	322.89	
Rock Reassays 11 for Zn @ $7.76	85.36	
1 for Ag	7.61	
4 for Pb/Zn @ $8.50	34.00	
6 for Pb/Zn/Ag @ $9.41	56.46	
16 Silts Au + 32 ICP @ $11.88	190.08	29,746.32
General Cost Apportioned: 150/682 * $84,159.00		18,510.04
TOTAL GEOCHEMICAL SURVEY COST:		**$ 87,316.36**

MAGNETOMETER SURVEY

Salaries & Wages: 1 pers, 3 mdays @ $217	$ 651.00
Benefits: @ 20%	130.20
Rental Equipment: Scintrex MP-2, 3 days @ $30	90.00
General Cost Apportioned: 3/682 * $84,159.00	370.20
TOTAL MAGNETOMETER SURVEY COST:	**$ 1,241.40**

GEOLOGY AND FIELD SUPERVISION

Salaries & Wages: 2 pers, 117 days @ $217	$ 25,389.00
Benefits: @ 20%	5,077.80
Rock Reports: Vancouver Petrographics	675.75
General Cost Apportioned: 117/682 * $84,159.00	14,437.83
TOTAL GEOLOGY AND FIELD SUPERVISION COST:	**$ 45,580.38**

DIAMOND DRILLING

Salaries & Wages: 3 pers, 181 mdays @ $217		$ 39,277.00
Benefits: @ 20%		7,855.40
Core Splitting:		13,020.00
Rental Equipment: Kootenay Expl. Drilling		
Compressor	$1,100.00	
Truck	208.00	1,308.00
Contractor: West-Gate Drilling 1705.97m @ $62.72		106,998.43
Assays and Analysis: ACME Labs		
480 Core Au + 32 ICP @ 19.55	$9,384.00	
206 Core Au + 32 ICP @ 17.60	3,625.60	
7 Pulp for Zn/Pb	57.53	
Overweight Preps	105.61	13,172.74
General Costs Apportioned: 181/682 * $84,159.00		22,335.45
TOTAL DIAMOND DRILLING COSTS:		**$203,967.02**

MINE DATA PREPARATION

Salaries & Wages: 2 pers, 30 mdays @ $217	$ 6,510.00
Benefits: @ 20%	1,302.00
General Cost Apportioned: 30/682 * $84,159.00	3,702.00
TOTAL MINE DATA PREPARATION COST:	**$ 11,514.00**

LINE ESTABLISHMENT

Salaries & Wages: 4 pers, 150 mdays @ $217	$ 32,550.00
Benefits: @ 20%	6,510.00
General Cost Apportioned: 150/682 * $84,159.00	18,510.04
TOTAL LINE ESTABLISHMENT COST:	**$ 57,570.04**

ROADS, PADS & RECLAMATION

Salaries & Wages: 1 pers, 11 mdays @ $217		$ 2,387.00
Benefits: @ 20%		477.40
Contractors:		
Custom Dozing (JD650G, Truck)	$ 1,870.00	
Fred Critchlow (TD20, EX100, JD450, Skidder518, Truck)	54,642.00	56,512.00
General Costs Apportioned: 11/682 * $84,159.00		1,357.40
TOTAL ROADS, PADS & RECLAMATION COSTS:		**$ 60,733.80**

STAKING

Salaries & Wages: 2 pers, 40 mdays @ $217.00	$ 8,680.00
Benefits: @ 20%	1,736.00
General Costs Apportioned: 40/682 * $84,159.00	4,936.01
TOTAL STAKING COSTS:	**$ 15,352.01**

TOTAL COSTS

GEOCHEMICAL SURVEY	$ 87,316.36
MAGNETOMETER SURVEY	1,241.40
GEOLOGY & FIELD SUPERVISION	45,580.38
DIAMOND DRILLING	203,967.02
MINE DATA PREPARATION	11,514.00
LINE ESTABLISHMENT	57,570.04
ROADS, PADS & RECLAMATION	60,733.80
STAKING	15,352.01
TOTAL COSTS:	**$483,275.01**

8.0 QUALIFICATIONS

LINDA DANDY, B.SC., P.GEO., F.G.A.C.
C20, S4, RR#1, WALCOTT RD.
TELKWA, B.C. V0J 2X0
PHONE: 604-846-9242
FAX: 604-846-9210

ACADEMIC:

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

9.0 APPENDIX A

ROCK SAMPLE RESULTS

ACME LABS LTD. - CERTIFICATES OF ANALYSES

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 # 96-2124 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	Au** gm/t
2000	1	8	9	77	<.3	132	28	415	4.75	26	<5	<2	5	32	.2	<2	3	58	1.09	.059	32	141	2.11	168	.14	3	2.75	.06	1.16	2	<.01
2001	1	27	6	28	<.3	19	5	214	2.48	4	<5	<2	3	18	<.2	<2	<2	19	.26	.032	9	33	.61	76	.11	<3	1.34	.06	.68	4	<.01
2002	1	11	8	22	<.3	8	3	180	.95	9	5	<2	5	3	<.2	<2	5	2	.07	.017	13	10	.03	31	<.01	<3	.14	.01	.07	5	<.01
2003	3	73	6	38	<.3	29	7	143	1.30	<2	<5	<2	5	197	.4	<2	2	48	2.38	.161	13	27	.30	234	.07	3	2.40	.24	.12	5	<.01
2004	1	10	9	92	<.3	73	18	579	4.29	15	5	<2	7	22	<.2	<2	11	54	.51	.036	36	105	2.08	265	.20	6	3.42	.08	1.52	<2	<.01
2005	1	327	7	4	.5	45	60	706	26.91	24	<5	<2	3	7	1.7	<2	<2	2	.64	.005	<1	9	.03	9	<.01	<3	.05	<.01	.02	337	.32
2006	8	108	38	89	.3	40	9	482	1.60	21	<5	<2	5	146	.6	10	<2	57	4.68	.218	15	26	.89	324	.05	6	1.10	.03	.11	8	<.01
RE 2006	8	109	34	91	.5	40	8	489	1.64	24	6	<2	5	153	.6	12	2	60	4.86	.222	16	28	.92	337	.05	10	1.15	.03	.12	6	.01
2007	3	34	264	31	13.6	21	6	3149	2.60	36	6	<2	2	39	.8	12	430	6	1.15	.026	13	18	.16	52	<.01	8	.36	.01	.12	226	.88
2008	37	1158	6	27	1.2	66	85	201	10.56	4	<5	<2	6	171	1.5	<2	149	25	2.43	.053	15	24	.24	33	.06	<3	2.67	.14	.03	1037	.12
STANDARD C2/AU-1	21	57	39	145	6.4	75	37	1046	4.01	41	24	9	35	53	20.6	17	21	73	.54	.095	41	65	1.02	199	.09	31	2.09	.06	.15	18	3.25

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: JUN 7 1996 DATE REPORT MAILED: June 17/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-2161 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	Au** gm/t
2009	3	268	16	87	1.0	32	10	102	2.46	7	<5	<2	5	71	.3	4	<2	21	2.01	.120	3	16	.31	225	.04	<3	1.89	.02	.05	2	<.01
2010	3	107	12	34	.3	30	7	82	1.76	3	<5	<2	8	60	.2	3	<2	86	2.13	.253	8	31	.67	425	.06	3	2.33	.11	.35	2	<.01
2011	3	30	6	51	<.3	7	1	67	.68	5	<5	<2	<2	14	.2	<2	<2	28	.31	.076	1	18	.06	120	.01	<3	.38	.02	.03	5	<.01
2012	3	141	3	124	.4	24	2	89	1.09	4	<5	<2	4	48	1.3	<2	<2	73	1.87	.607	9	29	.20	2192	.07	<3	.94	.02	.13	4	<.01
2013	18	137	7	108	.9	51	4	80	2.56	2	12	<2	14	442	.6	12	<2	57	7.47	.892	15	14	.37	147	.05	3	6.55	.16	.04	<2	<.01
2014	10	179	31	1419	4.4	128	7	5647	2.76	107	<5	<2	3	20	50.4	15	6	243	.63	.313	5	32	.10	377	<.01	6	.36	<.01	.16	3	<.01
2015	3	15	5	55	<.3	7	<1	74	.67	<2	<5	<2	<2	14	.3	2	<2	27	.12	.042	1	11	.03	36	<.01	<3	.19	<.01	<.01	5	<.01
2016	7	29	10	125	.5	10	1	113	.73	2	<5	<2	<2	17	1.2	<2	<2	102	.36	.135	2	19	.09	90	.02	<3	.37	.01	.03	4	<.01
RE 2016	7	30	8	121	.5	10	1	109	.72	<2	<5	<2	<2	17	1.1	<2	<2	101	.36	.132	2	19	.08	89	.02	<3	.37	.01	.03	4	<.01
2017	5	216	5	80	.6	39	5	86	2.30	<2	11	<2	6	39	.6	3	<2	609	1.67	.194	5	84	1.49	379	.11	<3	2.69	.06	.79	3	<.01
2018	4	76	15	505	.5	35	6	81	1.69	3	5	<2	7	32	4.0	6	<2	93	1.34	.266	10	33	.31	328	.05	<3	1.81	.01	.17	<2	<.01
2019	5	52	19	20	2.6	76	7	497	1.71	<2	<5	5	<2	11	<.2	4	1207	29	.91	.041	1	30	.07	40	<.01	<3	.14	<.01	.02	320	4.52
2020	4	114	5	10	.4	10	2	132	1.64	7	<5	<2	<2	3	<.2	<2	3	27	.02	.015	1	13	.01	16	<.01	<3	.09	<.01	.01	8	.04
STANDARD C2/AU-1	20	57	41	138	6.5	72	35	1183	3.84	46	17	8	35	52	20.9	22	21	69	.52	.100	39	63	1.02	206	.06	27	1.88	.06	.14	12	3.29

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: JUN 11 1996 **DATE REPORT MAILED:** June 18/96 **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 # 96-2256 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	Au** gm/t
2021	3	153	5	221	.3	25	4	102	1.29	<2	8	<2	3	29	1.6	<2	<2	15	.92	.201	5	13	.12	93	.05	<3	.98	.02	.15	5	<.01
2022	4	199	8	83	.6	43	11	65	2.08	<2	9	<2	5	79	1.3	<2	<2	135	2.14	.156	7	45	.40	63	.07	<3	2.53	.03	.19	4	<.01
2023	2	130	9	105	.5	42	6	24	1.26	3	5	<2	6	119	.7	3	<2	137	5.50	.334	11	38	.51	561	.06	<3	1.42	.01	.22	4	<.01
2024	92	7	14	13	<.3	4	2	392	1.35	71	9	<2	19	5	.2	<2	<2	7	.10	.038	17	10	.05	112	<.01	6	.36	.02	.18	3	.01
2025	3	38	10	24	<.3	25	4	57	1.06	2	<5	<2	3	111	<.2	<2	<2	44	7.34	.082	7	7	.16	26	.06	<3	.84	.01	.04	4	<.01
2026	13	211	3	620	.5	57	7	111	2.40	<2	18	<2	7	70	9.6	2	<2	606	3.06	.689	14	113	1.62	60	.12	<3	2.79	.07	.86	9	.02
2027	20	89	6	292	<.3	70	5	346	1.69	<2	17	<2	7	131	3.4	<2	<2	870	2.99	.389	12	62	.99	218	.10	<3	3.26	.20	.58	6	.01
2028	3	109	<3	16	.3	16	4	103	1.23	<2	7	<2	4	35	<.2	<2	<2	75	1.18	.191	5	41	.75	238	.06	<3	1.57	.04	.34	3	<.01
2029	9	41	13	33	.8	10	1	<2	.82	3	24	<2	7	32	2.3	2	<2	407	3.82	1.398	20	57	.33	152	.06	3	.91	<.01	.22	4	<.01
2030	15	137	34	201	1.6	30	6	38	1.44	<2	12	<2	5	40	1.8	<2	<2	38	2.26	.280	17	17	.08	135	.05	<3	1.01	<.01	.03	6	<.01
2031	19	214	6	63	.3	42	10	117	2.45	<2	14	<2	6	128	.5	<2	<2	20	2.75	.107	7	16	.20	41	.06	<3	3.19	.09	.10	4	<.01
2032	4	160	5	27	.7	31	7	56	1.07	<2	11	<2	4	30	.3	2	<2	73	1.77	.471	11	44	.70	91	.06	3	1.15	.01	.21	4	.02
2033	14	98	6	748	.4	61	5	80	1.80	<2	21	<2	6	82	12.4	<2	<2	790	3.39	.701	14	61	1.11	61	.09	3	2.86	.09	.52	8	<.01
2034	5	198	6	612	.5	41	9	41	1.56	<2	8	<2	3	28	4.6	<2	<2	64	1.50	.365	6	20	.23	48	.05	<3	1.02	.01	.09	8	<.01
2035	24	180	3	76	.6	66	11	85	2.12	<2	21	<2	6	60	.7	<2	<2	75	2.78	.538	12	35	.45	51	.07	<3	2.34	.05	.22	4	<.01
2036	3	137	21	26	.6	40	6	48	1.48	3	12	<2	7	63	<.2	<2	<2	35	2.47	.354	12	27	.42	109	.05	<3	2.18	.03	.17	3	.01
2037	8	148	4	24	.5	39	6	50	1.49	<2	12	<2	4	63	<.2	<2	<2	149	2.94	.490	11	48	.49	115	.07	<3	2.22	.03	.23	3	<.01
2038	6	267	14	428	1.8	38	9	86	2.31	3	7	<2	5	50	5.1	<2	<2	135	1.68	.176	5	30	.46	64	.06	<3	1.85	.05	.18	6	<.01
RE 2038	5	268	11	442	1.9	38	9	105	2.35	2	11	<2	5	50	5.3	2	<2	135	1.69	.176	5	32	.46	63	.06	<3	1.85	.05	.18	6	<.01
2039	6	214	7	386	.7	59	7	204	1.82	<2	10	<2	5	58	4.0	<2	<2	51	2.61	.565	8	27	.19	123	.05	<3	1.41	.05	.05	11	<.01
2040	6	214	6	44	.3	39	11	118	2.38	<2	12	<2	5	49	.2	<2	<2	396	2.44	.270	8	79	1.19	56	.10	<3	3.01	.06	.72	4	.01
2041	6	89	7	119	.5	20	4	96	1.24	<2	11	<2	4	45	1.1	2	<2	69	1.85	.347	10	17	.14	151	.04	<3	1.23	.01	.07	6	<.01
2042	4	205	11	71	.7	35	7	74	1.69	2	9	<2	4	39	.7	<2	<2	115	1.49	.228	4	32	.40	155	.05	<3	1.38	.02	.16	4	<.01
2043	1	211	6	17	.5	21	7	65	2.04	<2	9	<2	3	54	<.2	<2	<2	46	1.87	.090	3	12	.47	131	.04	<3	1.83	.03	.09	3	<.01
2044	5	77	4	13	<.3	11	2	84	.48	2	9	<2	3	44	.6	<2	<2	50	7.75	.321	12	7	.08	30	.04	3	.42	.01	.03	4	<.01
2045	1	5	12	32	<.3	3	<1	205	.42	5	<5	<2	8	4	.2	<2	<2	2	.07	.009	7	6	.02	43	.01	<3	.33	.04	.11	3	<.01
2046	2	4	<3	3	<.3	3	<1	54	.26	<2	<5	<2	<2	3	<.2	<2	<2	1	.16	.001	<1	17	<.01	6	<.01	3	.02	<.01	.01	6	<.01
2047	6	61	6	125	.3	36	5	94	1.69	3	14	<2	10	23	3.8	<2	<2	665	.51	.094	14	77	1.81	533	.09	3	2.29	.01	1.02	3	<.01
2048	16	124	5	326	<.3	59	5	151	2.18	<2	16	<2	7	107	3.4	<2	<2	888	3.29	.534	12	106	2.06	108	.17	<3	3.74	.15	1.12	5	<.01
STANDARD C2/AU-1	20	56	42	127	6.1	70	35	1152	3.83	41	25	8	34	50	19.7	14	16	68	.56	.094	37	62	.99	173	.07	26	1.95	.06	.14	13	3.28

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: JUN 13 1996 **DATE REPORT MAILED:** June 25/96 **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 # 96-2300 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
2049	11	152	167	55	1.4	5	22	262	5.72	3	6	<2	3	34	<.2
2050	9	13	37	67	5.2	3	120	11268	24.82	99999	63	21	13	112	1.2
2051	6	8	7	51	<.3	3	<1	161	.43	133	6	<2	6	15	.2
2052	74	834	<3	32	1.3	4	81	3728	14.49	692	<5	<2	<2	21	.2
2053	2	19	<3	8	<.3	3	1	118	.35	13	<5	<2	<2	1	<.2
2054	19	447	4	4800	1.2	34	6	179	2.69	57	7	<2	4	77	75.1
2055	5	155	3	137	.8	55	10	179	1.97	<2	6	<2	7	71	1.5
2056	13	114	7	255	.4	60	7	146	1.97	16	14	<2	8	109	3.3
2057	3	44	7	59	<.3	44	19	1120	5.34	<2	<5	<2	4	12	<.2
2058	17	86	13	255	.5	92	6	122	1.39	4	15	<2	6	43	3.2
2059	8	46	3	87	1.3	15	3	125	1.21	10	<5	<2	5	32	1.7
2060	27	125	45	683	1.9	60	5	123	1.48	8	24	<2	7	124	10.8
2061	22	109	18	867	2.2	23	4	71	.76	4	15	<2	6	202	14.3
2062	5	126	17	65	.4	50	8	105	1.58	2	6	<2	6	103	.5
2063	11	218	<3	51	.4	38	8	63	1.52	3	10	<2	5	56	.6
RE 2063	11	219	3	52	.4	38	7	69	1.50	3	12	<2	5	57	.6
2064	7	14	303	7	17.9	9	9	332	4.43	467	<5	<2	3	12	.3
2065	2	15	59	91	1.2	11	2	504	.80	16	<5	<2	8	5	.6
2066	13	257	10	3483	1.1	49	7	226	2.52	2	13	<2	5	67	40.5
2067	10	171	16	832	.4	41	8	194	1.93	2	8	<2	4	78	9.4
2068	5	31	98	19	18.3	6	3	174	1.12	4	<5	35	<2	4	.3
2069	<1	26	21893	67939	13.1	20	6	531	12.02	109	<5	<2	<2	111	175.4
2070	6	143	38	219	.6	26	3	81	1.31	<2	8	<2	4	52	1.1
STANDARD C2/AU-1	20	56	38	126	5.8	69	35	1141	3.76	39	17	7	34	48	19.2

SAMPLE#	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t
2049	27	4	85	1.15	.173	14	5	1.04	29	.22	4	1.41	.09	.32	2	.20
2050	308	42	24	9.93	.062	7	13	5.70	7	<.01	51	.21	.01	.02	10	2.59
2051	2	<2	1	.23	.025	4	9	.03	67	<.01	7	.50	.06	.10	3	.02
2052	<2	<2	10	6.18	.020	2	<1	.34	17	<.01	9	.26	.01	.01	295	<.01
2053	<2	<2	1	.07	.001	<1	11	.01	4	<.01	<3	.02	<.01	<.01	76	<.01
2054	<2	<2	31	1.83	.148	12	13	.14	78	.04	3	2.07	.09	.02	110	<.01
2055	3	2	487	4.41	.959	20	129	2.03	70	.10	6	3.40	.07	.91	5	<.01
2056	<2	2	500	4.66	.910	24	84	1.14	127	.09	5	3.47	.28	.57	9	.03
2057	<2	3	90	.23	.073	13	69	1.02	112	.24	<3	3.65	.04	1.41	3	<.01
2058	2	<2	271	3.28	.778	14	27	.19	120	.04	6	1.30	.02	.09	4	.03
2059	<2	<2	89	1.55	.186	7	26	.64	467	.06	7	1.18	.03	.06	4	<.01
2060	5	2	1479	2.83	.639	14	84	1.13	196	.09	7	2.21	.07	.57	4	<.01
2061	5	<2	236	3.32	.695	11	20	.19	235	.06	7	2.41	.11	.07	<2	<.01
2062	<2	<2	52	3.10	.200	10	17	.19	212	.08	4	2.11	.42	.09	5	<.01
2063	<2	<2	78	2.44	.580	11	22	.25	107	.05	3	1.41	.03	.10	3	<.01
RE 2063	<2	2	78	2.45	.592	11	24	.25	102	.05	6	1.43	.02	.09	4	<.01
2064	4	295	16	.29	.112	5	21	.05	41	<.01	28	.34	.01	.17	5	1.52
2065	<2	4	6	.03	.012	7	20	.01	84	<.01	4	.63	.04	.10	2	.02
2066	<2	3	64	3.67	.525	14	29	.45	63	.05	6	1.78	.03	.07	6	<.01
2067	<2	2	26	2.16	.272	17	22	.05	130	.04	4	1.88	.09	.02	<2	<.01
2068	30	6077	5	.15	.025	1	11	.02	202	<.01	5	.07	.01	.01	28	26.89
2069	24	133	5	18.79	.046	7	1	6.69	40	.01	4	.33	.01	.15	<2	.14
2070	2	22	360	2.02	.510	7	78	1.08	476	.06	5	2.23	.04	.52	4	.03
STANDARD C2/AU-1	17	18	67	.53	.096	37	61	1.00	182	.06	27	1.95	.06	.14	12	3.35

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: JUN 17 1996 DATE REPORT MAILED: June 28/96 SIGNED BY.........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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY   File # 96-2323   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	Au** gm/t
2071	3	170	3	31	.3	42	6	105	1.62	<2	9	<2	4	61	<.2	<2	<2	131	1.55	.191	4	39	.49	114	.08	<3	1.94	.03	.24	4	.04
2072	26	97	21	149	1.5	62	6	118	1.32	<2	17	<2	7	335	1.9	<2	<2	695	2.72	.092	16	50	.45	307	.12	3	3.54	.09	.24	6	<.01
2073	11	80	11	193	1.1	25	3	107	.97	3	12	<2	4	56	2.7	2	<2	410	1.13	.309	5	41	.50	177	.05	<3	1.18	.02	.22	6	<.01
2074	12	244	8	157	.9	54	8	76	1.85	<2	8	<2	4	62	1.3	<2	2	65	2.38	.518	13	25	.33	167	.06	<3	1.46	.05	.11	4	<.01
2075	13	193	<3	2756	.8	33	5	96	2.23	<2	17	<2	5	80	30.7	<2	<2	38	3.55	.517	12	13	.76	43	.05	<3	2.04	.04	.08	2	.03
2076	9	325	4	226	.3	41	7	60	2.37	<2	17	<2	5	48	2.4	<2	2	98	1.56	.281	7	31	.37	149	.09	<3	1.40	.03	.15	<2	<.01
RE 2076	10	320	3	220	.4	40	7	58	2.34	<2	14	<2	5	47	2.4	<2	<2	96	1.51	.272	6	29	.36	166	.08	<3	1.37	.03	.15	<2	.03
2077	9	202	3	171	<.3	43	5	64	1.38	<2	11	<2	3	104	1.6	<2	2	165	7.31	2.054	24	101	.47	335	.06	<3	1.96	.04	.22	6	.01
2078	1	12	<3	35	<.3	7	1	171	.39	4	<5	<2	2	49	1.7	3	2	48	30.60	.096	20	3	.08	73	.02	6	.37	<.01	.02	<2	<.01
STANDARD C2/AU-1	20	58	35	131	6.3	70	36	1154	3.91	42	19	9	36	53	20.3	18	17	71	.54	.091	40	64	1.02	179	.07	26	2.03	.06	.15	13	3.36

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: JUN 18 1996   **DATE REPORT MAILED:** June 29/96   **SIGNED BY**.......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 # 96-2396 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
2079	37	35	861	3045	2.1	182	1	557	21.86	35	<5	<2	6	86
2080	7	9	131	429	<.3	15	<1	421	1.56	2	<5	<2	<2	218
2081	4	196	9	74	.5	27	8	63	1.55	<2	<5	<2	4	28
2082	53	2569	9	65	2.5	8	85	953	15.95	<2	<5	<2	4	15
2083	<1	401	<3	<1	1.7	119	311	163	41.67	<2	<5	<2	4	1
2084	3	28	17	154	<.3	49	21	88	2.05	<2	<5	<2	14	7
2085	<1	440	494	9929	4.6	85	9	473	26.57	<2	<5	<2	5	52
2086	4	94	30	64	5.5	17	52	4321	6.94	925	6	<2	2	70
2087	5263	98	10	86	<.3	13	18	4685	4.51	<2	8	<2	8	13
2088	20	22	2032	99999	5.3	<1	5	900	1.48	8	<5	<2	<2	179
2089	<1	463	52	192	4.5	3	84	2641	21.98	6936	<5	<2	2	7
2090	14	428	<3	81	<.3	11	<1	191	56.34	<2	<5	<2	6	3
RE 2090	15	432	9	79	<.3	9	<1	191	56.41	<2	<5	<2	7	4
2091	<1	547	<3	<1	2.3	76	358	2980	31.27	1549	<5	<2	4	43
2092	2902	21	17	219	<.3	12	7	4244	2.25	4	<5	<2	8	30
2093	12	688	5	2509	.7	30	24	620	7.18	<2	<5	<2	6	13
2094	4	82	13	19	<.3	63	28	125	3.64	<2	<5	<2	13	120
2095	5	22	120	149	<.3	34	11	88	2.45	6	<5	<2	11	46
STANDARD C2/AU-1	19	55	39	135	6.2	73	35	1154	3.83	43	18	8	34	52

SAMPLE#	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** gm/t
2079	27.0	2	31	450	10.24	.036	3	70	7.45	33	<.01	3	.19	.01	.06	<2	<5	2	<.01
2080	2.5	<2	<2	29	24.84	.005	4	4	13.45	15	<.01	12	.03	.01	<.01	<2	<5	<1	<.01
2081	.6	<2	2	109	1.08	.260	5	45	.85	176	.09	3	1.17	.02	.39	<2	<5	<1	<.01
2082	<.2	<2	27	8	1.65	.096	3	10	.27	20	.02	<3	.48	.01	.07	73	<5	2	<.01
2083	<.2	<2	<2	13	.02	.001	1	<1	.26	14	<.01	<3	.20	<.01	.11	40	<5	5	<.01
2084	2.1	<2	2	33	.60	.019	13	52	.55	35	.25	<3	1.05	.01	.14	<2	<5	<1	<.01
2085	40.8	<2	39	3	8.05	.012	4	2	5.18	26	<.01	5	.09	<.01	.02	<2	<5	4	<.01
2086	.7	<2	47	10	4.76	<.001	1	11	.68	15	<.01	<3	.17	<.01	.09	37	<5	1	.20
2087	2.0	2	10	7	7.24	.200	4	4	.11	22	.01	18	.48	.01	.01	255	<5	<1	.02
2088	2041.9	6	2	2	35.72	<.001	4	2	2.02	36	<.01	4	.07	.01	.02	<2	<5	4	<.01
2089	<.2	27	12	20	.59	<.001	<1	2	.17	4	<.01	<3	.02	<.01	.01	<2	<5	1	1.57
2090	1.6	<2	<2	173	.16	.002	2	<1	.20	32	<.01	15	<.01	<.01	.01	3	<5	<1	.02
RE 2090	<.2	<2	3	172	.16	<.001	2	<1	.20	32	<.01	<3	.01	<.01	.01	3	<5	1	<.01
2091	<.2	<2	3	2	3.30	.001	1	3	.18	7	<.01	<3	.02	<.01	.03	40	<5	<1	.09
2092	1.8	2	17	7	4.51	.054	12	22	.84	33	.06	9	1.28	.01	.02	69	<5	3	.08
2093	32.3	<2	10	9	1.58	.063	8	16	1.38	38	.06	5	2.13	.01	.06	<2	<5	1	<.01
2094	.9	<2	<2	11	3.87	.088	32	19	.17	30	.08	7	4.46	.10	.07	<2	<5	<1	<.01
2095	3.8	<2	<2	20	1.66	.025	10	35	.53	68	.15	<3	2.53	.04	.15	<2	<5	2	<.01
STANDARD C2/AU-1	20.3	18	23	64	.53	.095	40	65	.99	204	.08	35	1.99	.06	.14	12	<5	3	3.21

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 24 1996 DATE REPORT MAILED: July 4/96 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 # 96-2424 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	Au** gm/t
2096	69	7	7	5	.3	3	1	253	.69	111	9	<2	12	22	<.2	<2	<2	1	.37	.010	12	13	.05	21	<.01	5	.16	.03	.11	7	.01
2097	14	161	<3	335	1.8	120	33	131	4.98	13	<5	<2	5	54	4.6	<2	5	256	2.91	.464	10	73	1.05	32	.08	<3	2.89	.05	.52	<2	.01
2098	2	4580	17562	16763	280.8	7	<1	264	.72	2298	<5	<2	<2	16	128.4	5210	14	7	.94	.037	2	16	.08	16	.01	<3	.15	.01	.03	<2	.20
2099	24	75	101	429	2.9	66	9	119	1.61	13	8	<2	8	25	5.3	25	<2	849	.69	.221	15	51	.83	96	.14	4	.62	.04	.16	3	.15
2100	1	56	100	77	2.6	30	12	148	2.10	13	<5	<2	16	34	.9	26	3	29	1.70	.047	15	59	.47	115	.16	<3	2.04	.08	.31	4	<.01
2101	7	145	7	73	1.0	40	5	76	1.74	<2	<5	<2	4	45	.8	2	<2	184	1.46	.300	5	43	.53	216	.09	<3	1.50	.05	.27	2	.01
2102	2	44	29	53	9.8	16	10	2438	4.77	1082	<5	<2	<2	858	1.1	30	<2	5	29.80	.009	2	4	.81	35	<.01	6	.05	<.01	.02	2	.18
2103	<1	152	42	36	11.6	69	63	2413	12.34	3736	<5	<2	2	525	<.2	45	18	4	10.58	<.001	1	9	.47	20	<.01	<3	.06	.01	.02	8	.65
2104	396	18	6	21	.8	22	5	2859	2.71	857	9	<2	8	65	.4	7	9	5	2.40	.006	2	8	.24	53	<.01	10	.47	.01	.25	8	.10
RE 2104	504	18	8	21	.8	20	7	2931	2.76	870	12	<2	8	66	.2	6	5	5	2.47	.006	2	8	.24	49	<.01	10	.49	.01	.25	7	.14
2105	<1	480	18	84	2.0	4	35	7654	26.80	551	<5	<2	3	108	<.2	<2	5	5	6.07	.017	3	3	1.10	11	<.01	<3	.12	.01	.05	21	.03
2106	<1	327	34	89	1.6	<1	2	1083	43.06	200	<5	<2	4	5	<.2	14	<2	1	.39	<.001	1	4	.08	9	<.01	<3	.04	<.01	.03	2	1.13
2107	120	95	13	7	4.4	50	27	2522	7.45	2284	<5	<2	7	132	<.2	18	4	3	3.66	.001	2	10	.41	23	<.01	10	.26	.01	.18	62	.23
STANDARD C2/AU-1	19	57	42	128	6.5	72	35	1177	3.91	42	20	8	35	52	19.7	17	23	71	.54	.092	40	65	.99	200	.09	28	2.00	.06	.15	13	3.23

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK/CORE P2 CONCENTRATE P3 TO P5 SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 25 1996 DATE REPORT MAILED: July 8/96 SIGNED BY C. L........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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-2424R

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

SAMPLE#	Ga %	Ge %
2098	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 D_ FA ___

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-2424

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	Au** gm/t
2108	222	510	1617	1002	2.2	21	6	1481	13.25	274	<5	<2	4	43	2.1	13	82	36	4.05	.085	7	133	.24	52	.05	6	.69	.04	.14	1228	.61
2109	328	389	107	88	5.2	5	14	1346	14.07	746	<5	<2	4	51	<.2	25	267	28	7.24	.063	6	83	.18	43	.03	4	.37	.02	.19	2024	1.48
2110	228	236	669	325	3.0	10	16	1035	14.21	592	<5	<2	3	51	.7	20	124	23	6.82	.021	4	129	.08	45	.04	<3	.31	.02	.15	1851	.78
RE 2110	247	257	718	351	3.4	13	18	1121	15.37	635	<5	<2	3	53	.3	18	142	26	7.03	.025	4	140	.08	51	.04	<3	.34	.02	.16	1708	.73

Sample type: CONCENTRATE. 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 # 96-2482

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	Au** oz/t
2111	2	17	600	4130	.8	10	4	340	2.62	24	7	<2	20	39	40.9	4	<2	18	2.75	.151	30	30	1.00	67	.16	3	.94	.02	.27	5	.003
2112	2	21	31	2125	<.3	13	8	392	3.16	8	<5	<2	6	50	20.9	<2	2	8	2.54	.124	13	16	.95	49	.08	4	.71	.01	.24	<2	.004
2113	2	14	18	128	<.3	12	6	441	2.78	5	6	<2	13	26	.8	4	<2	13	1.48	.163	24	23	.48	73	.10	3	1.07	.01	.60	2	<.001
2114	1	9	23	139	<.3	7	4	437	2.24	59	13	<2	24	22	.8	4	<2	7	1.02	.195	33	15	.21	52	.02	5	.55	.01	.22	3	<.001
2115	3	30	37	96	.5	11	5	1196	3.04	317	5	<2	10	57	.4	8	4	3	1.33	.119	10	10	.25	34	.01	6	.50	.01	.20	<2	.002
2116	2	22	3	52	<.3	31	9	800	2.91	7	<5	<2	10	11	<.2	<2	<2	28	.31	.030	21	46	.77	125	.10	7	1.46	.02	.69	144	<.001
RE 2116	2	20	5	53	<.3	32	9	825	2.98	8	<5	<2	10	12	.2	2	<2	30	.33	.031	22	47	.80	127	.10	3	1.49	.02	.70	150	<.001
2117	2	43	7	68	<.3	54	17	925	3.35	3	<5	<2	9	29	<.2	3	4	55	1.78	.047	18	56	1.24	198	.18	5	1.96	.06	.92	3	<.001
2118	4	106	70	45	7.4	84	65	957	7.16	13	<5	<2	7	31	.2	6	163	24	1.92	.050	7	39	.75	79	.04	4	1.13	.02	.37	100	.013
STANDARD C2/AU-1	20	59	43	138	6.2	72	36	1191	3.80	42	17	8	37	51	19.9	20	19	66	.52	.097	40	65	1.00	200	.08	31	1.92	.06	.13	14	.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: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 26 1996 **DATE REPORT MAILED:** July 8/96 **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 # 96-2567 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	Au** gm/t
2119	5	149	5	32	.9	20	5	58	1.13	2	5	<2	5	17	<.2	<2	<2	89	.82	.253	6	32	.52	503	.08	3	.71	.02	.25	4	.01
2120	4	181	6	93	.7	35	8	66	1.71	<2	5	<2	5	49	.7	<2	<2	141	1.24	.130	4	34	.72	272	.09	<3	1.80	.04	.28	<2	<.01
2121	7	167	3	32	.4	30	5	76	1.39	<2	7	<2	5	82	.2	<2	<2	113	2.17	.290	8	36	.50	382	.09	3	2.17	.05	.21	4	.01
2122	2	213	3	29	.8	30	13	75	2.30	<2	6	<2	5	58	<.2	2	<2	67	1.40	.103	5	30	.77	131	.09	3	2.00	.03	.29	3	.02
2123	4	95	5	25	.5	34	5	76	1.13	<2	<5	<2	3	30	<.2	<2	<2	127	1.73	.344	13	26	.12	446	.05	3	.81	.01	.07	<2	.02
2124	16	360	3	45	.4	57	7	107	1.97	<2	8	<2	5	78	<.2	<2	2	62	1.99	.301	14	25	.14	276	.06	4	1.58	.04	.06	26	.01
2125	41	80	<3	446	<.3	17	<1	141	41.70	<2	<5	<2	5	4	<.2	<2	<2	58	.04	.041	3	11	.04	33	<.01	<3	1.22	<.01	.03	3	<.01
2126	5	668	5	43	1.2	43	11	71	3.13	<2	5	<2	2	6	.2	2	<2	8	.80	.021	1	5	.41	137	.01	4	.31	.01	.04	<2	<.01
2127	23	357	86	32	1.0	35	8	76	2.29	<2	5	<2	5	102	<.2	14	<2	13	2.32	.146	5	7	.23	195	.04	3	2.20	.10	.04	2	.01
2128	<1	8	781	8056	1.7	4	2	643	.93	5	<5	<2	<2	221	30.2	<2	3	9	26.17	.006	5	13	12.15	114	.01	15	.31	.01	.04	<2	<.01
2129	<1	4	50	3915	<.3	5	1	428	.48	5	<5	<2	<2	129	9.1	<2	<2	12	24.19	.005	6	7	13.86	69	<.01	<3	.10	.01	.04	<2	<.01
2130	<1	6	2097	4483	1.3	2	<1	478	.71	5	<5	<2	<2	150	16.2	<2	<2	6	24.51	<.001	5	8	13.72	127	<.01	5	.16	.01	.09	<2	.02
RE 2130	1	7	2034	4314	1.3	1	1	476	.69	3	<5	<2	2	148	15.7	<2	<2	6	23.88	.002	6	8	13.38	126	<.01	<3	.16	.01	.09	<2	<.01
2131	<1	90	20277	35146	10.9	29	7	414	19.02	140	<5	<2	<2	73	150.2	10	<2	5	10.94	<.001	4	10	5.17	28	<.01	<3	.12	<.01	.08	<2	.05
2132	<1	12	5176	19160	4.5	10	2	356	6.97	31	<5	<2	<2	97	58.7	<2	<2	5	16.35	<.001	6	15	7.36	79	<.01	4	.22	.01	.14	<2	<.01
2133	<1	5	221	8095	<.3	3	1	410	1.71	4	<5	<2	<2	119	21.0	<2	<2	6	18.45	.013	5	9	10.80	77	<.01	<3	.17	.01	.06	<2	<.01
2134	<1	2	191	1390	<.3	4	1	425	.59	3	<5	<2	2	109	4.0	<2	<2	9	19.61	.001	4	5	11.95	189	<.01	3	.35	.01	.17	<2	<.01
2135	<1	5	15	192	<.3	<1	1	57	.22	3	<5	<2	2	151	.4	<2	<2	5	32.50	<.001	3	1	.85	15	<.01	<3	.07	<.01	.04	<2	<.01
STANDARD C2/AU-1	21	60	39	140	5.8	72	36	1156	3.69	43	21	8	36	50	19.3	19	20	72	.51	.094	41	65	.98	193	.08	29	1.84	.06	.13	12	3.23

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: JUL 2 1996 DATE REPORT MAILED: July 10/96 SIGNED BY. C. L .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 # 96-2581 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	Au** gm/t
2136	4	233	24	30	1.2	42	6	67	2.17	<2	<5	<2	4	42	<.2	<2	<2	96	1.06	.066	2	20	.25	291	.08	<3	1.54	.02	.10	<2	<.01
2137	3	176	21	50	.3	34	7	78	1.95	3	7	<2	6	85	.3	2	<2	109	2.36	.206	5	44	.76	292	.08	<3	2.74	.05	.34	6	<.01
2138	4	145	9	48	.6	28	7	58	1.30	2	<5	<2	7	40	.2	<2	<2	140	1.49	.227	12	32	1.05	337	.09	3	2.05	.01	.49	<2	<.01
2139	3	150	6	38	.4	32	5	68	1.77	3	5	<2	6	58	.2	4	<2	137	1.57	.096	2	44	.94	279	.09	<3	2.28	.05	.46	5	.01
RE 2139	2	147	4	40	.4	32	5	65	1.72	2	6	<2	6	56	<.2	<2	<2	134	1.53	.095	2	43	.91	275	.09	<3	2.22	.05	.45	6	<.01

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: JUL 3 1996 DATE REPORT MAILED: Jul 15/96 SIGNED BY ....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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-2661 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
2140	<1	30	4270	99999	4.1	30	11	548	3.76	35	6	<2	<2	121	2494.0	16
2141	20	441	19159	39319	9.6	118	59	462	29.25	126	<5	<2	2	60	135.4	34
2142	2	51	102	280	.3	27	15	83	2.65	8	<5	<2	7	17	1.1	<2
2143	1	9	308	49131	<.3	8	1	317	1.14	14	5	<2	<2	108	419.5	2
2144	2	33	66	2155	1.0	27	<1	207	6.22	2	<5	<2	<2	45	14.2	<2
2145	1	31	24	680	<.3	40	18	387	3.92	3	<5	<2	6	20	5.2	<2
2146	37	95	39	156	.3	10	5	5675	3.64	<2	<5	<2	14	12	<.2	<2
2147	2	4	13	123	<.3	5	<1	359	1.05	22	8	<2	<2	156	1.1	<2
2148	3	5680	4681	2321	111.8	25	<1	177	1.04	473	<5	<2	4	114	22.8	640
2149	2	1595	7598	2404	162.8	9	<1	145	.43	664	5	<2	<2	27	26.7	1157
RE 2149	2	1560	7378	2327	166.8	8	1	142	.42	643	5	<2	<2	26	25.8	1128
2150	21	308	41	4985	2.9	9	1	101	1.83	10	8	<2	2	38	51.2	6
2151	3	137	43	44	1.2	6	30	9912	15.21	190	<5	<2	3	103	2.9	13
2152	4	61	8	29	<.3	42	6	75	1.55	<2	7	<2	4	96	.5	<2
2153	<1	924	298	22027	2.0	2	191	2219	26.27	<2	<5	<2	3	8	183.8	<2
STANDARD C2/AU-1	19	56	44	142	6.2	71	35	1153	3.86	43	20	8	34	52	20.0	17

SAMPLE#	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t
2140	<2	16	21.58	<.001	4	1	6.08	66	<.01	7	.09	.01	.06	<2	<.01
2141	6	65	5.49	.003	4	2	4.87	12	<.01	<3	.07	.01	.02	<2	<.01
2142	<2	13	.58	.100	19	29	.44	31	.11	<3	.67	.02	.10	<2	<.01
2143	<2	13	25.54	.006	4	2	10.92	92	.01	8	.16	.01	.10	<2	<.01
2144	3	19	9.57	.049	<1	2	3.77	37	<.01	4	.02	.01	.02	<2	<.01
2145	4	55	.68	.035	17	68	1.16	97	.19	<3	3.39	.04	.90	<2	<.01
2146	36	9	4.18	.017	32	11	.12	9	.08	4	.68	.01	.01	1536	.13
2147	<2	27	28.14	.001	6	1	7.35	38	<.01	33	.02	<.01	.01	19	<.01
2148	<2	83	8.96	.166	9	21	.23	54	.04	4	1.14	.01	.10	<2	.05
2149	19	10	2.12	.029	2	13	.09	11	.01	4	.17	.01	.04	<2	.08
RE 2149	16	9	2.05	.029	1	12	.09	11	.01	<3	.15	.01	.03	<2	.08
2150	7	25	2.24	.411	10	6	.63	33	.04	<3	.84	.01	.09	<2	<.01
2151	18	5	13.95	<.001	2	2	5.64	10	<.01	<3	.03	<.01	.01	<2	.03
2152	<2	29	2.03	.223	10	27	.18	114	.09	<3	1.85	.17	.06	<2	<.01
2153	21	2	.69	<.001	<1	5	.18	12	<.01	<3	.04	.01	.01	<2	.22
STANDARD C2/AU-1	20	71	.54	.090	40	64	1.00	199	.09	29	2.03	.06	.15	11	3.12

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: JUL 6 1996 **DATE REPORT MAILED:** Jul 15/96. **SIGNED BY**............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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-2661R

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

SAMPLE#	Ga %	Ge %
2148	<.001	<.001
2149	<.001	.001
2150	<.001	.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF FIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 Da.___ FA ____

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 # 96-2723 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	Au** gm/t
2154	11	32	1120	533	2.4	42	3	631	7.19	9	<5	<2	<2	212	4.3	6	<2	84	22.71	.001	3	9	5.63	26	<.01	5	.09	.01	.02	<2	<.01
2155	326	137	19	222	<.3	4	15	1348	7.51	11	21	5	14	15	1.5	<2	3	31	1.56	.530	34	6	.52	72	.04	5	.81	.04	.38	382	<.01
2156	279	147	23	175	.4	10	22	1045	10.40	2	17	5	7	15	.3	12	7	47	.86	.206	12	16	.80	74	.06	3	.96	.02	.54	3588 x	<.01
2157	60	502	11	152	<.3	16	86	2392	19.33	<2	<5	<2	5	20	<.2	<2	4	72	.79	.136	10	30	1.01	18	.06	<3	1.21	.02	.35	2024 x	<.01
2158	9	32	19	844	<.3	33	14	571	3.64	218	6	<2	9	5	10.5	2	<2	28	.18	.055	25	30	.58	122	.05	12	1.31	.01	.57	28	<.01
2159	6	31	17	737	<.3	29	13	867	3.54	139	<5	<2	9	8	8.4	<2	<2	30	.27	.060	20	37	.68	123	.06	8	1.46	.02	.52	83	<.01
2160	3	23	3	449	<.3	23	9	622	2.39	5	<5	<2	8	48	5.7	<2	<2	33	1.38	.113	20	40	.65	130	.16	<3	1.58	.07	.38	11	<.01
RE 2160	2	24	5	441	<.3	22	9	610	2.32	5	6	<2	9	47	5.5	<2	<2	34	1.37	.112	20	41	.64	128	.15	<3	1.56	.07	.37	10	<.01
2161	11	156	12	366	.5	15	31	1488	7.35	16	5	<2	9	31	3.2	5	3	30	.92	.094	16	35	.55	44	.07	8	1.32	.03	.16	705	<.01
2162	49	507	39	334	.6	18	113	5329	21.61	232	5	2	7	35	1.3	3	3	38	1.86	.097	16	18	.60	23	.03	<3	.76	.01	.23	1366 x	.07
2163	13	75	<3	183	<.3	10	17	3082	5.60	<2	<5	<2	6	30	.8	3	3	24	2.53	.050	16	25	1.05	36	.06	<3	.90	.03	.45	1272	<.01
STANDARD C2/AU-1	19	56	39	131	6.2	70	36	1140	3.83	44	19	8	34	52	20.8	16	18	69	.53	.097	38	63	1.02	191	.07	33	1.98	.06	.15	12	3.13

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 1996 **DATE REPORT MAILED:** July 17/96 **SIGNED BY** D. Toye ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

x very high W - need regular Assay for correct value.

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

GEOCHEMICAL ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-2723R
P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5

SAMPLE#	Ga %	Ge %
2157	.001	.001
2161	.002	.001
2162	.004	.002
2163	.003	.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY C.Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-2723R

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
2162	62.7	111.5	51.7	7.9	13.3	.8	1.0	5.4	1.9	7.3	1.4	2.0	1.1	7.2	1.4

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY**............D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Da... FA ___

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 # 96-2802 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	Au** gm/t
2164	8	40	4	163	.5	31	3	147	1.63	133	5	<2	10	18	1.3	<2	<2	700	.80	.106	11	76	1.46	79	.14	<3	2.57	.02	.67	4	.02
2165	7	11	6	31	.4	5	<1	104	.84	5	<5	<2	13	3	<.2	<2	2	253	.04	.048	23	38	1.53	70	.05	<3	1.57	.01	.81	2	<.01
2166	5	5	<3	14	<.3	6	1	107	.78	7	<5	<2	<2	2	.2	<2	<2	10	.01	.002	<1	13	.06	21	<.01	<3	.08	<.01	.01	7	<.01
2167	3	73	<3	61	1.8	46	16	86	3.13	<2	<5	<2	10	182	.4	<2	<2	39	4.31	.031	7	31	.27	121	.11	3	5.60	.15	.13	<2	<.01
2168	4	72	<3	662	.6	71	9	71	2.03	3	<5	<2	8	152	7.7	<2	<2	12	1.93	.114	8	11	.27	136	.08	3	2.30	.04	.10	<2	<.01
RE 2168	3	69	<3	637	.7	69	9	82	1.99	<2	<5	<2	7	149	7.4	<2	<2	12	1.87	.111	8	13	.27	135	.08	<3	2.24	.04	.11	<2	<.01

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 11 1996 **DATE REPORT MAILED:** July 25/96 **SIGNED BY**............D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Sultan Minerals PROJECT JERSEY FILE # 96-2977

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
2169	2	7	6	41	.3	6	<1	431	.14	20	<5	<2	4	56	.6
2170	12	55	7	296	<.3	15	<1	43	10.53	19	<5	<2	7	26	<.2

SAMPLE#	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t
2169	<2	5	37	9.03	.349	13	9	.03	64	.02	3	.50	.02	.02	2	.01
2170	<2	<2	191	.46	.349	13	20	.19	469	<.01	4	.62	.01	.12	<2	<.01

Sample type: ROCK.

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 # 96-3031

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	Au** gm/t
2171	10	36	52	607	<.3	33	16	495	3.72	55	<5	<2	11	8	6.5	3	<2	34	.27	.053	35	46	.89	117	.05	<3	2.16	.02	.58	3	<.01
2172	20	14	20	448	<.3	29	15	565	3.85	237	7	<2	12	13	3.5	4	<2	14	.24	.036	40	20	.85	147	.01	4	2.07	.02	.36	<2	<.01
2173	9	23	7	103	<.3	31	16	242	4.18	3	<5	<2	9	7	<.2	<2	2	49	.26	.051	30	68	1.08	153	.10	<3	2.74	.02	.86	2	<.01
2174	12	25	9	75	<.3	30	15	341	3.47	<2	<5	<2	10	6	<.2	<2	<2	43	.22	.043	33	59	1.01	114	.06	<3	2.37	.02	.64	2	.02
2175	7	19	6	178	<.3	32	15	336	3.49	39	<5	<2	12	8	1.7	<2	<2	30	.33	.058	31	42	.74	191	.05	<3	2.01	.01	.60	2	.02
2176	29	22	6	237	<.3	25	13	2580	4.76	71	<5	<2	10	56	2.1	<2	<2	32	1.45	.055	26	53	.74	296	.09	3	2.60	.08	.44	3	.03
RE 2176	27	23	4	236	<.3	25	13	2603	4.85	72	<5	<2	11	57	2.2	<2	<2	33	1.47	.056	26	55	.75	299	.09	<3	2.64	.09	.45	3	<.01
2177	84	21	5	139	<.3	15	6	2886	2.07	<2	<5	<2	10	71	.5	<2	<2	27	2.84	.082	20	33	.60	58	.08	<3	2.81	.17	.23	25	<.01
2178	161	1392	5	103	2.4	11	30	3219	26.41	<2	<5	5	2	9	<.2	<2	1417	16	1.41	.215	5	5	.97	14	.03	<3	1.78	.04	.47	36	.60
STANDARD C2/AU-1	18	58	36	137	6.2	70	36	1146	3.94	38	26	6	34	53	20.5	16	17	71	.53	.099	41	64	1.00	181	.07	23	2.04	.07	.15	11	3.22

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: JUL 22 1996 **DATE REPORT MAILED:** Aug 2/96 **SIGNED BY** D. Toye ..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/POSIE File # 96-3396 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	Au** gm/t
2179	1	36	7	60	.3	41	13	361	3.49	<2	<5	<2	12	65	.6	<2	2	39	2.63	.073	27	56	.78	75	.15	<3	3.80	.10	.49	3	<.01
2180	3021	105	<3	247	<.3	64	16	1045	1.12	<2	16	<2	8	114	.8	<2	14	76	8.71	1.573	34	18	.32	36	.05	<3	1.18	.08	.03	388	<.01
2181	8	94	7	54	.3	39	12	143	2.96	8	<5	<2	10	204	.4	<2	<2	53	4.71	.049	22	58	.84	94	.13	3	6.36	.33	.52	4	<.01
2182	13	15	131	7	8.2	19	4	619	2.66	36	6	<2	2	16	<.2	<2	133	15	.44	.131	4	22	.02	80	<.01	3	.13	.01	.10	143	.78
RE 2182	13	16	130	8	8.2	20	4	618	2.66	36	<5	<2	2	16	<.2	2	139	15	.44	.130	4	21	.02	76	<.01	3	.12	<.01	.10	142	.60

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 6 1996 DATE REPORT MAILED: Aug 20/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT POSIE File # 96-3482 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	Au** gm/t
2183	30	128	7	394	1.4	70	3	153	.98	<2	18	<2	3	48	4.1	2	4	954	1.97	.711	12	69	.51	222	.07	4	.86	.02	.35	2	<.01
2184	21	49	5	222	<.3	39	2	134	1.16	<2	7	<2	8	16	1.9	<2	2	166	.59	.026	5	21	.28	91	.06	4	.86	.05	.14	93	.02
2185	11	80	10	145	2.6	23	1	104	1.38	<2	13	<2	7	143	1.8	<2	<2	1153	4.09	1.399	11	121	1.44	507	.07	3	2.14	.02	.86	3	.01
RE 2185	11	82	5	142	2.6	24	<1	103	1.34	<2	14	<2	7	141	1.8	<2	<2	1133	3.99	1.376	11	119	1.40	506	.08	<3	2.10	.03	.84	3	<.01

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: AUG 7 1996 **DATE REPORT MAILED:** Aug 16/96 **SIGNED BY**.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT POSIE   File # 96-3532   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	Au** gm/t
2185	16	86	5	950	3.3	48	4	342	2.67	2	6	2	5	38	8.4	2	2546	174	1.70	.051	6	52	.97	118	.09	<3	2.07	.09	.58	814	1.18
2186	34	65	7	615	<.3	104	5	447	2.30	<2	9	<2	9	46	3.7	2	20	894	1.81	.041	8	107	1.00	56	.19	<3	3.20	.13	.73	28	.02
2187	31	118	<3	827	<.3	55	5	386	2.76	<2	8	<2	10	34	6.3	<2	13	417	1.49	.061	11	65	1.10	204	.12	<3	2.44	.06	.51	130	.01
2188	28	101	<3	758	<.3	208	4	704	3.40	6	16	<2	6	63	2.6	3	47	1683	2.20	.907	13	177	2.29	637	.12	<3	3.13	.01	1.21	102	.01
2189	29	93	<3	12326	<.3	94	10	640	2.16	<2	11	<2	2	66	112.2	<2	13	268	1.51	.070	9	42	.76	129	.05	<3	1.48	.07	.30	689	.03

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.

DATE RECEIVED: AUG 8 1996   DATE REPORT MAILED: Aug 22/96   SIGNED BY C. L........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 # 96-3788

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	Au** gm/t
2190	<1	12	750	99999	2.8	10	2	294	1.66	15	<5	<2	2	147	1197.7	4	<2	25	24.41	.006	5	2	14.22	47	<.01	19	.10	.01	.05	<2	.01
2191	<1	21	34904	99999	44.0	14	<1	864	11.43	48	10	<2	4	88	2967.5	75	<2	8	22.57	.003	4	4	3.45	<1	<.01	<3	.11	.01	.05	<2	.04
2192	102	84	407	1554	.6	10	4	3380	4.03	19	<5	<2	10	32	15.4	3	3	33	2.62	.105	23	37	.58	159	.09	<3	2.23	.05	.16	979	<.01
2193	7	152	113	468	.3	42	4	114	2.35	<2	5	<2	4	57	3.7	<2	<2	256	2.32	.654	9	76	1.10	731	.08	<3	2.72	.04	.42	17	<.01
RE 2193	6	152	120	478	.5	44	3	110	2.39	<2	6	<2	4	57	4.3	<2	<2	262	2.40	.667	10	76	1.13	736	.08	7	2.77	.04	.43	12	<.01

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: AUG 19 1996 DATE REPORT MAILED: Aug 30/96 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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3788R

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

SAMPLE#	Zn %
2190	8.35
2191	17.22

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: SEP 6 1996 DATE REPORT MAILED: Sept 11/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4401 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	Au** gm/t
2195	3	76	10	2021	.6	39	5	185	1.08	<2	<5	<2	4	36	12.5	2	4	65	3.02	.757	16	37	.46	139	.06	<3	.76	.02	.11	67	.10
2196	38	77	7	520	1.2	80	5	40	1.07	<2	12	<2	2	43	5.1	3	4	305	1.12	.116	10	35	.17	61	.09	<3	1.05	.02	.12	7	.09
RE 2196	38	77	9	522	1.2	81	5	41	1.08	<2	10	<2	3	43	5.1	<2	5	309	1.12	.115	10	32	.17	59	.09	<3	1.06	.02	.12	6	.09

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 11 1996 **DATE REPORT MAILED:** Sep26/96 **SIGNED BY**.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4404 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	Au** gm/t
2197	22	123	15	591	1.0	99	7	51	2.08	<2	17	<2	6	163	7.2	<2	<2	342	5.69	1.530	17	38	.30	145	.07	<3	2.13	.08	.08	7	.02
2198	3	7	9	57	<.3	8	<1	90	.41	<2	6	<2	<2	6	.3	<2	<2	3	.43	.039	<1	28	.08	10	<.01	<3	.02	.01	.01	9	.02
2199	24	112	10	475	.8	76	6	92	1.62	<2	15	<2	6	193	5.8	<2	<2	266	3.07	.572	20	29	.21	211	.08	<3	2.46	.20	.05	3	.01
2200	5	175	9	108	.8	33	10	62	1.71	<2	<5	<2	4	69	<.2	<2	<2	76	1.48	.163	5	52	.98	220	.10	<3	2.05	.07	.45	6	<.01
2201	33	71	9	60	.7	68	9	37	1.84	<2	12	<2	4	65	.2	<2	<2	55	1.43	.046	9	15	.28	43	.09	<3	1.51	.03	.08	3	<.01
RE 2201	32	68	7	60	.6	67	9	35	1.79	<2	13	<2	6	63	<.2	<2	<2	54	1.38	.044	8	15	.27	42	.08	<3	1.46	.03	.08	4	.01

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: SEP 12 1996 DATE REPORT MAILED: Sep 23/96 SIGNED BY.........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 # 96-4663 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	Au** gm/t
2202	15	238	36	367	.9	68	9	34	2.03	<2	7	<2	10	97	5.1	<2	<2	133	3.89	.942	20	34	.23	56	.05	<3	2.58	.23	.08	3	<.01
2203	5	16	1107	24	218.3	4	<1	23	.94	165	8	50	<2	8	.4	45	3183	7	.51	.399	3	32	<.01	9	<.01	<3	.02	.01	.01	9	35.38
2204	4	18	27	32	.7	7	<1	23	.70	2	<5	<2	<2	1	.2	<2	8	23	.02	.013	1	33	.01	23	<.01	<3	.04	<.01	.02	6	.02
2205	29	430	20860	6133	204.8	7	<1	68	.86	3	<5	<2	<2	1	51.3	88	131	37	.02	.011	<1	35	.01	19	<.01	3	.03	<.01	<.01	8	.12
RE 2205	29	418	20594	5930	194.1	6	<1	68	.85	<2	<5	<2	<2	1	49.6	85	125	36	.02	.011	<1	41	<.01	19	<.01	3	.03	<.01	.01	8	.07

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 P4 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 21 1996 DATE REPORT MAILED: Oct 2/96 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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4663R

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

SAMPLE#	Pb %	Zn %	Ag oz/t
2203	-	-	6.97
2205	4.97	.55	5.05

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 23/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4757 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	Au** gm/t
2206	3	333	1551	6884	22.0	13	2	68	1.07	3	<5	<2	<2	1	58.5	38	5	194	.03	.012	<1	35	<.01	13	<.01	<3	.04	.01	<.01	16	.03

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 SOIL P3 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: SEP 25 1996 DATE REPORT MAILED: Oct 3/96 SIGNED BY.......... .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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5366

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	Au** gm/t
HOUSE-33	4	7	14	7	<.3	8	2	144	.46	4	6	<2	<2	2	<.2	<2	<2	2	.03	.003	1	24	.03	9	<.01	<3	.08	.01	.02	3	<.01

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.

DATE RECEIVED: OCT 17 1996 DATE REPORT MAILED: Oct 30/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3619

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	Au** gm/t	SAMPLE lb
ED 6900-1	104	36	65	161	.3	20	11	1691	4.28	53	<5	<2	13	115	1.2	8	5	12	3.46	.026	5	55	1.86	65	.02	9	.63	.02	.28	158	.08	12
ED 6900-2	67	9	30	32	.5	8	3	568	1.64	102	5	<2	21	39	<.2	6	10	2	.57	.012	11	126	.18	29	<.01	5	.24	.02	.15	3	.01	12
ED 6900-3	193	19	68	62	1.5	11	3	742	2.16	215	9	<2	20	36	<.2	9	51	2	.53	.019	5	167	.33	23	<.01	6	.30	.02	.18	4	.26	14
ED 6900-4	1539	13	64	70	1.1	17	2	465	1.56	79	10	<2	20	43	.3	5	18	3	.77	.063	8	279	.20	32	<.01	16	.54	.03	.28	11	.06	21
ED 6900-5	12	7	28	37	<.3	11	1	316	.85	141	13	<2	24	30	.3	2	2	2	.41	.005	11	184	.09	24	<.01	11	.35	.03	.20	4	<.01	12
ED 6900-6	54	11	77	207	.9	12	3	540	1.81	1487	7	<2	15	42	1.1	7	13	2	.64	.006	6	195	.16	22	<.01	9	.28	.02	.18	7	.22	9
ED 6900-7	94	11	33	42	.3	51	5	470	1.37	102	11	<2	21	76	<.2	15	8	5	1.21	.019	13	253	.54	55	<.01	15	.56	.04	.29	4	.03	11
ED 6900-8	64	9	37	27	<.3	17	4	369	1.84	99	6	<2	15	55	<.2	5	<2	3	.71	.010	10	292	.10	29	<.01	14	.38	.03	.24	6	.05	11
ED 6900-9	1077	50	25	31	.4	15	3	376	1.52	148	9	<2	13	42	<.2	7	2	3	.59	.008	7	274	.09	30	<.01	7	.37	.03	.22	2	.07	12
ED 6900-10	605	19	44	52	.5	51	7	579	1.86	266	6	<2	8	90	<.2	17	57	9	1.65	.034	6	137	.95	82	.01	10	.67	.01	.21	4	.02	13
ED 6900-11	1123	13	16	22	<.3	10	4	492	1.72	152	8	<2	20	56	<.2	3	2	2	1.00	.015	7	82	.34	28	<.01	6	.38	.02	.17	3	.01	13
ED 6900-12	1766	7	54	101	.5	7	3	862	1.51	117	5	<2	14	54	.3	3	2	4	.98	.016	8	115	.25	32	.01	6	.36	.03	.18	6	.03	10
ED 6900-13	38	4	44	57	<.3	7	3	328	2.06	96	12	<2	15	36	<.2	<2	<2	5	.51	.016	9	70	.21	36	.02	<3	.41	.03	.14	5	.05	12
ED 6900-14	174	7	29	32	.3	10	2	81	.74	64	6	<2	14	25	<.2	3	4	2	.22	.008	10	134	.11	24	<.01	10	.34	.01	.16	5	.03	8
ED 6900-15	438	11	28	71	<.3	15	4	351	1.15	95	9	<2	15	58	.3	2	2	1	.81	.024	8	212	.11	26	<.01	10	.33	.01	.18	11	.07	8
RE ED 6900-15	465	13	34	76	<.3	14	4	374	1.23	108	14	<2	16	59	.4	4	<2	2	.85	.025	8	219	.11	29	<.01	11	.34	.01	.18	12	.04	-
ED 6900-16	187	7	26	38	<.3	9	2	121	.73	75	9	<2	22	21	<.2	3	5	2	.31	.016	11	77	.13	34	<.01	12	.35	.01	.18	12	<.01	10
ED 6900-17	78	15	38	60	<.3	11	2	334	1.25	152	14	<2	22	40	<.2	8	3	1	.55	.018	9	135	.14	33	<.01	13	.32	.01	.21	16	<.01	9
ED 6900-18	1801	12	47	65	<.3	9	4	1061	2.27	335	10	<2	17	80	<.2	9	<2	2	1.20	.013	6	98	.37	30	<.01	11	.30	.01	.19	31	<.01	9
ED 6900-19	57	11	30	59	<.3	9	3	563	1.36	72	9	<2	14	82	.2	5	<2	2	1.58	.019	14	138	.59	38	<.01	13	.37	.02	.21	60	<.01	15
STANDARD C2/AU-1	21	58	40	146	6.4	77	38	1155	4.02	40	17	7	37	52	20.8	17	23	75	.54	.097	40	68	1.01	203	.09	28	2.01	.06	.14	13	3.39	-

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: AUG 12 1996 DATE REPORT MAILED: Aug 28/96 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 # 96-2600

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t
EP1	850	62	60	45	.9	34	28	2291	7.21	195	5	<2	7	35	<.2	<2	13	18	2.55	.093	3	9	.17	42	<.01	9	.53	.02	.18	1773	.04
EP2A	71	88	16	110	.7	34	23	8065	7.30	621	22	2	4	124	<.2	3	7	67	6.59	.512	12	24	1.12	34	<.01	5	1.86	.02	.09	418	.04
EP2B	67	11	55	22	.8	12	3	308	2.24	683	16	2	8	22	<.2	<2	3	6	.60	.034	4	6	.04	30	<.01	14	.24	.01	.14	415	.05
EP3A	17	81	14	32	.3	38	51	4542	7.68	140	18	<2	5	81	<.2	6	4	100	4.61	.229	10	8	.72	27	<.01	6	1.59	.02	.16	23	.02
EP3B	61	39	20	25	.4	18	25	1598	5.52	219	8	<2	5	51	<.2	5	4	52	2.42	.212	8	7	.45	36	<.01	6	1.10	.02	.13	68	<.01
EP4	11	6	21	10	<.3	8	1	97	.90	46	6	<2	5	6	<.2	2	<2	1	.12	.007	2	7	.02	11	<.01	6	.15	.02	.09	9	<.01
EP5	29	184	43	18	3.6	13	52	8061	11.08	318	<5	<2	2	117	<.2	2	31	12	5.57	.009	2	7	1.71	18	<.01	5	.23	<.01	.08	421	.19
EP6	170	78	91	27	7.9	26	39	8445	8.11	372	<5	<2	3	107	.4	5	217	25	7.11	.074	3	10	1.59	15	<.01	8	.23	.01	.08	1390	1.23
EP7	6	814	7	41	2.9	33	205	4028	26.35	8872	<5	<2	2	44	<.2	59	246	23	3.46	.001	3	13	.47	28	.01	<3	.31	<.01	.17	1296	1.72
EP8	54	307	25	47	.8	38	93	2470	10.97	116	6	<2	2	52	<.2	<2	53	23	5.42	.208	6	9	.36	29	<.01	8	.37	.01	.10	1111	.25
RE EP8	52	299	27	46	.7	38	94	2405	11.25	102	8	<2	2	53	<.2	<2	53	23	5.29	.201	6	8	.35	31	<.01	8	.35	.01	.10	1067	.25
EP9	447	70	28	100	.7	36	45	4305	8.06	407	<5	<2	4	92	.6	<2	13	72	4.41	.498	18	18	1.15	50	<.01	10	1.10	.01	.22	1792	.04
EP10	344	16	45	28	.4	5	5	399	2.29	53	<5	<2	5	10	<.2	2	11	10	.43	.048	5	8	.09	31	<.01	5	.34	.02	.17	91	.08
EP11	50	13	55	43	.5	26	6	353	2.03	469	7	<2	10	40	<.2	7	2	8	.96	.144	11	24	.42	55	<.01	7	.52	.02	.18	15	.02
EP12	59	16	62	91	.7	8	8	1019	3.12	160	13	<2	7	35	<.2	2	<2	15	.94	.091	6	10	.27	49	<.01	7	.46	.02	.18	180	.03
STANDARD C2/AU-1	20	59	39	145	6.4	75	36	1208	3.90	45	18	8	38	52	19.4	18	18	72	.53	.097	41	63	1.04	208	.08	28	1.98	.06	.14	14	3.31

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: JUL 4 1996 DATE REPORT MAILED: July 10/96 SIGNED BY ....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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT ASPEN File # 96-5068 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	Au** gm/t
A-1	9	58	28	253	.8	57	9	175	3.05	3	<5	<2	7	101	2.4	4	2	243	1.65	.155	14	75	.95	211	.16	3	2.91	.13	.58	5	.06

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 SOIL P3 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: OCT 5 1996 DATE REPORT MAILED: Oct 16/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT ASPEN File # 96-5140 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	Au** gm/t
A-2	3	10	57	56	<.3	5	<1	39	.54	<2	<5	<2	<2	5	.3	<2	<2	8	.06	.016	1	28	.01	106	<.01	<3	.05	.01	.03	5	<.01
A-3	3	50	17	145	<.3	47	15	186	3.44	6	<5	<2	7	13	<.2	<2	<2	107	.13	.043	17	86	1.14	433	.04	<3	2.08	.02	.55	3	<.01
A-4	4	68	16	472	.3	32	8	227	2.55	<2	7	<2	7	99	4.2	4	<2	83	1.34	.052	10	63	1.35	248	.08	<3	3.45	.07	.63	3	<.01
RE A-4	4	63	16	438	.3	31	8	214	2.41	<2	6	<2	6	94	3.9	2	<2	79	1.28	.050	9	62	1.29	228	.07	<3	3.30	.06	.59	<2	.02

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 P4 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 8 1996 DATE REPORT MAILED: Oct 18/96 SIGNED BY........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 SALMO CONSOLIDATED File # 96-4871 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	Au** gm/t
SC-1	2	8	13	19	.7	5	1	203	.82	27	<5	<2	13	6	<.2	3	<2	3	.05	.016	19	11	.06	32	.01	<3	.38	.06	.18	4	.01

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: SEP 30 1996 DATE REPORT MAILED: Oct 10/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-4943 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	Au** gm/t
SC-2	3	54	10	19	.6	32	8	134	1.75	97	<5	<2	5	21	<.2	2	2	50	.32	.079	10	35	.65	24	.19	<3	1.04	.03	.07	3	.02

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 SOIL P3 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: SEP 30 1996 DATE REPORT MAILED: Oct 9/96 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 SALMO CONSOLIDATED File # 96-4962 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	Au** gm/t
SC-3	3	20	42265	10624	37.4	5	5	612	2.38	<2	<5	<2	3	62	56.4	78	2	24	2.39	.050	8	16	.33	9	.07	<3	1.12	.08	.17	<2	.23
SC-4	3	39	36597	18386	88.2	8	4	1684	1.98	<2	<5	<2	3	218	106.3	78	4	22	12.13	.050	13	23	.44	8	.06	<3	1.52	.06	.15	<2	.22
SC-5	34	122	268	302	2.1	84	9	110	2.00	12	16	<2	6	38	2.9	3	<2	521	1.52	.284	5	54	.92	117	.08	<3	1.68	.03	.56	3	.02
SC-6	4	73	404	169	1.4	12	12	327	4.17	<2	<5	<2	4	78	.6	<2	<2	98	2.11	.124	10	34	.79	18	.18	<3	3.38	.19	.67	5	<.01
SC-7	5	11	19	163	<.3	13	2	156	.41	<2	8	<2	2	174	1.2	<2	<2	11	2.13	.023	4	6	.51	135	.03	3	.45	.01	.10	<2	<.01
SC-8	10	50	3012	372	7.7	4	1	69	.77	<2	6	<2	<2	2	.4	13	<2	146	.02	.016	1	16	.07	5	.02	<3	.21	<.01	.02	2	<.01
RE SC-8	10	52	3120	381	8.0	4	<1	74	.78	2	5	<2	<2	2	.4	14	<2	151	.02	.016	1	19	.07	5	.02	3	.22	<.01	.02	2	.02
STANDARD C2/AU-1	21	59	41	133	6.9	70	36	1216	3.85	38	16	9	35	52	20.0	16	16	70	.52	.108	40	66	.99	181	.08	26	2.03	.06	.15	10	3.22

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 P5 SILT AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 1996 DATE REPORT MAILED: Oct 11/96 SIGNED BY. C. L..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Assay in progress for Pb, Zn, ≥ 1%
Ag ≥ 30ppm

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-4962R

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

SAMPLE#	Pb %	Zn %	Ag oz/t
SC-3	3.05	.97	1.17
SC-4	4.64	1.53	2.50

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 23/96 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 ICP ANALYSIS

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-4962R2

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

SAMPLE#	Ga %	Ge %
SC-3	.001	.001
SC-4	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-4962R2

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
SC-3	18.0	74.0	38.5	7.3	10.4	1.3	1.4	3.8	1.1	2.5	.6	2.5	1.4	1.7	<.2
SC-4	19.4	113.7	55.9	6.9	13.0	1.1	5.4	3.3	.8	1.3	.4	2.3	1.9	1.5	.3

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY**.......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

FA

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 SALMO CONSOLIDATED File # 96-5067 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	Au** gm/t
SC-9	3	21	651	15159	2.0	8	6	541	2.98	<2	<5	<2	3	64	164.0	<2	<2	34	1.47	.057	5	23	.34	14	.08	<3	2.21	.07	.18	<2	.07
SC-10	4	94	14	133	1.4	32	34	252	7.05	2	<5	<2	3	122	2.5	<2	2	102	3.17	.267	13	37	.69	29	.24	<3	3.70	.19	.43	15	<.01
SC-11	1	25	87	2674	.4	6	4	172	1.84	<2	<5	<2	2	16	16.6	<2	<2	22	.59	.055	4	18	.24	9	.04	<3	1.01	.05	.22	3	<.01
SC-12	2	31	24	99	.8	8	9	421	4.02	<2	<5	<2	7	132	.8	<2	<2	63	2.58	.107	18	23	.69	23	.16	<3	3.77	.32	.52	8	<.01
SC-13	2	25	51	1446	.8	8	8	247	4.02	<2	<5	<2	8	84	7.0	<2	<2	61	2.05	.102	16	18	.66	17	.15	<3	2.97	.24	.26	7	.03
SC-14	2	73	1236	7885	4.0	15	84	703	10.34	2	<5	<2	6	101	49.4	2	<2	57	2.53	.086	9	23	.85	18	.11	<3	3.92	.26	.52	2	.58
SC-15	1	16	6656	3019	15.7	5	1	76	1.17	<2	<5	<2	<2	6	19.3	15	<2	4	.03	.007	1	20	.03	4	.01	<3	.11	<.01	.04	6	.55

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.

DATE RECEIVED: OCT 5 1996 **DATE REPORT MAILED:** Oct 18/96 **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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-5139

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	gm/t
SC-16	3	31	5046	2303	7.0	8	7	543	3.93	<2	<5	<2	8	98	14.2	9	11	54	2.30	.105	15	14	.67	19	.14	<3	2.55	.22	.33	<2	.08
SC-17	3	49	1182	1518	2.4	9	9	485	4.66	2	<5	<2	9	94	9.3	2	<2	55	2.68	.115	12	12	.79	17	.13	<3	3.50	.22	.38	<2	.11
SC-18	1	28	25027	16985	75.1	3	1	503	.81	2	6	<2	<2	62	88.3	96	3	5	2.72	.010	2	13	.08	3	.01	<3	.31	.02	.04	<2	.65
SC-19	3	31	1394	544	2.5	8	7	547	3.71	2	<5	<2	9	96	2.8	4	<2	57	2.15	.117	19	17	.67	26	.17	<3	2.74	.24	.37	<2	.05
SC-20	1	20	485	1492	1.2	6	6	641	3.06	<2	<5	<2	7	89	8.8	<2	<2	45	2.99	.090	13	17	.60	19	.12	<3	2.56	.14	.36	<2	.05
SC-21	2	24	1353	1041	3.9	8	10	514	4.48	<2	<5	<2	9	87	4.9	2	2	59	2.88	.110	13	19	.89	16	.13	<3	3.88	.26	.48	<2	.06
SC-22	1	11	5299	4622	7.3	4	2	998	1.33	2	<5	<2	3	128	30.8	6	2	11	5.50	.024	7	15	.19	5	.03	<3	.82	.04	.08	2	.04
SC-23	<1	4	5414	12913	7.4	<1	<1	3818	.36	<2	<5	<2	5	522	54.8	10	2	2	26.12	.002	26	3	.25	2	<.01	<3	.06	.01	.01	48	.02
SC-24	3	28	202	358	1.2	7	5	356	4.11	<2	<5	<2	8	77	2.3	<2	<2	55	2.92	.105	12	18	.80	16	.12	<3	4.15	.17	.45	3	.02
SC-25	2	29	847	847	2.6	6	4	453	3.75	2	<5	<2	8	149	3.7	<2	<2	58	3.88	.113	16	14	.87	18	.13	<3	5.29	.19	.45	3	.08
RE SC-25	3	30	821	831	2.6	5	4	450	3.69	3	<5	<2	8	147	3.3	3	2	58	3.80	.113	16	15	.86	18	.14	<3	5.22	.19	.45	3	.08
SC-26	8	21	24184	1487	100.0	5	1	207	1.29	2	<5	<2	<2	20	9.0	104	4	4	.75	.007	1	17	.06	3	.01	<3	.28	<.01	.02	7	.50
SC-27	4	31	610	332	1.4	5	5	555	3.72	2	<5	<2	9	87	2.0	<2	<2	63	1.88	.120	18	13	.79	18	.14	<3	3.25	.22	.41	2	.03
SC-28	2	20	25829	24604	183.0	5	1	59	.63	<2	<5	5	<2	7	135.4	168	7	2	.04	.004	<1	21	.02	2	<.01	<3	.07	.01	.01	<2	2.60
SC-29	1	26	694	234	1.7	6	3	255	3.64	<2	<5	<2	9	91	1.0	<2	<2	63	1.75	.112	17	12	.82	18	.14	<3	3.13	.24	.41	3	.02
STANDARD C2/AU-1	20	58	46	139	6.8	72	36	1156	3.82	39	17	8	34	51	19.9	18	21	71	.53	.102	37	61	.98	190	.08	26	1.92	.06	.14	15	3.15

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: OCT 8 1996 DATE REPORT MAILED: Oct 16/96 SIGNED BY C. Leong .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 ICP ANALYSIS

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-5139R

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

SAMPLE#	Ga %	Ge %
SC-18	.001	.001
SC-23	<.001	<.001
SC-26	.001	.001
SC-28	<.001	.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT SALMO CONSOLIDATED File # 96-5139R

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
SC-18	4.5	35.5	15.8	4.5	.7	<.5	1.6	.7	<.2	<.8	<.3	<.8	.5	.4	<.2
SC-23	50.9	182.3	97.5	12.5	34.7	10.8	12.4	7.0	.9	2.5	.8	2.8	3.2	2.8	.3
SC-26	2.7	17.0	10.9	4.7	<.5	<.5	.5	1.1	<.2	<.8	<.3	<.8	.4	.2	<.2
SC-28	.3	7.9	5.7	3.6	<.5	<.5	<.1	<.1	<.2	<.8	<.3	<.8	<.2	<.1	<.2

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY** C.L.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

dc FA

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 TUNGSTEN KING File # 96-3620

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	Au** gm/t
TK 101	4	120	12	52	<.3	16	7	539	3.34	<2	<5	<2	3	309	.3	<2	<2	8	4.14	.744	9	20	.40	58	.03	<3	3.07	.10	.12	37	<.01
TK 102	12	132	80	148	.3	22	23	238	3.32	67	<5	<2	9	10	.3	<2	2	6	.06	.015	23	36	.17	72	<.01	<3	.44	.02	.05	6	<.01
TK 103	4	248	12	67	.3	25	17	593	5.15	<2	<5	<2	5	432	.9	2	2	5	5.26	.754	11	20	.70	67	.04	<3	2.80	.10	.07	14	<.01
TK 104	5	388	28311	1407	97.3	26	36	2037	30.40	52403	<5	4	2	105	34.2	141	4	4	6.58	.022	5	1	4.55	15	<.01	<3	.05	<.01	.01	2	3.95
TK 105	<1	311	28747	5569	133.9	21	<1	1936	25.72	13368	<5	<2	2	150	95.4	200	9	5	9.19	.045	6	1	6.49	9	<.01	<3	.06	.01	.01	3	1.41
TK 106	1	3	353	80	.3	7	<1	162	.41	129	<5	<2	10	430	.6	<2	<2	7	5.73	.084	24	19	.21	44	.11	6	7.83	.70	.05	2	.03
RE TK 106	1	4	341	79	.4	5	<1	158	.41	128	<5	<2	10	425	.3	<2	<2	7	5.64	.082	23	19	.20	38	.11	5	7.67	.70	.05	2	.02

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: AUG 12 1996 **DATE REPORT MAILED:** Aug 22/96 **SIGNED BY**.........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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4405

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	Au** gm/t
TK 7	2	1049	710	2903	5.2	21	71	875	34.65	<2	<5	<2	6	36	29.5	7	5	20	1.51	.200	8	16	.95	5	.06	<3	1.96	.10	.45	268	.01
TK 8	1	16	3377	33105	2.4	2	<1	263	24.61	63	<5	<2	<2	182	112.8	11	<2	6	14.12	.010	7	2	2.77	<1	<.01	10	.02	.03	<.01	16	.03
TK 9	3	84	5754	85836	5.7	7	<1	358	31.62	2	<5	<2	<2	149	400.6	<2	10	7	8.76	.045	3	3	1.69	<1	<.01	11	.05	.07	.03	<2	.01
TK 10	4	14	2434	99999	9.2	14	4	416	5.85	3	<5	<2	2	278	682.5	<2	24	8	19.31	.047	11	1	5.10	32	.01	<3	.15	.06	.08	<2	.03
TK 11	28	221	2843	9578	5.8	7	16	696	21.57	<2	<5	<2	<2	390	52.2	3	9	6	16.27	.026	9	4	2.58	<1	<.01	6	.33	.05	.11	<2	<.01

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.

DATE RECEIVED: SEP 12 1996 DATE REPORT MAILED: Sep 25/96 SIGNED BY. . . . . .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

ASSAY CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4405R

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

SAMPLE#	Zn %
TK 10	16.33

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: SEP 30 1996 **DATE REPORT MAILED:** Oct 3/96 **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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING SOUTH File # 96-3790

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	Au** gm/t
TKS-1	36	466	4570	6661	4.9	75	<1	1468	14.66	19	<5	<2	2	509	51.1	<2	10	95	15.74	.003	4	34	7.52	62	<.01	<3	.25	.01	.06	<2	.04

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.

DATE RECEIVED: AUG 19 1996 **DATE REPORT MAILED:** Aug 29/96 **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 TUNGSTEN KING File # 96-4662 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	Au** gm/t
TK-12	<1	696	<3	3848	1.7	79	83	589	32.02	23	<5	9	10	24	50.6	<2	805	33	.30	.023	10	35	1.61	38	.12	4	1.74	.03	.97	513	11.07
TK-13	2	303	27440	23055	69.7	6	11	843	28.32	309	<5	<2	4	60	269.8	75	2	6	5.67	.019	6	15	3.91	13	.01	<3	.17	<.01	.03	<2	.19
TK-14	6	79	90	118	.3	25	7	194	3.60	<2	<5	<2	11	123	.9	<2	5	46	2.39	.038	18	74	1.18	55	.16	<3	4.91	.17	.80	<2	.01
TKS-2	61	675	6398	2556	7.3	109	109	772	18.54	55	7	<2	8	363	21.0	<2	22	67	13.12	.009	5	30	7.24	46	.01	<3	.38	.01	.09	<2	.03
RE TKS-2	65	617	7286	2610	7.0	114	122	827	19.50	38	<5	<2	8	333	22.5	4	12	68	13.82	.009	4	24	7.97	39	.01	<3	.34	.01	.08	<2	.02

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 SOIL AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 21 1996 DATE REPORT MAILED: Oct 2/96 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 ICP ANALYSIS

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4662R2

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

SAMPLE#	Ga %	Ge %
TK-12	.001	<.001
TK-13	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY..........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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4662R2

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
TK-12	25.5	97.5	37.6	10.2	.7	<.5	1.0	<.1	1.0	3.0	<.3	16.0	1.7	3.0	14.9

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY** C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 FA

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4662R

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

SAMPLE#	Pb %	Zn %	Ag oz/t
TK-13	4.43	2.40	2.07

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 23/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 96-5363

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	Au** gm/t
TK-15	<1	296	30182	200	72.8	39	39	1489	24.17	59000	13	<2	<2	114	14.9	122	5	2	7.28	.077	2	3	6.81	13	<.01	9	.07	<.01	.03	<2	2.53
TK-16	2	8	95	31	<.3	13	2	92	.97	51	<5	<2	11	29	<.2	<2	<2	15	.80	.025	18	35	.18	38	.14	<3	1.15	.04	.07	2	.01
TK-17	<1	11	1530	2831	1.8	2	1	541	.75	452	<5	<2	<2	185	2.5	3	<2	<1	43.64	.014	3	5	.29	6	<.01	<3	.02	<.01	<.01	<2	.05
TK-18	5	994	19	169	1.2	22	47	1628	25.97	13	<5	<2	5	10	2.3	<2	8	13	1.47	.161	10	9	.40	7	.03	<3	1.02	.02	.15	1058	.02
RE TK-18	5	1034	22	167	1.2	22	49	1650	27.25	17	<5	<2	6	10	2.3	2	9	13	1.50	.165	10	10	.41	7	.03	<3	1.04	.02	.16	1113	.01

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: OCT 17 1996 **DATE REPORT MAILED:** Oct 30/96 **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 ICP ANALYSIS

Sultan Minerals PROJECT TUNGSTEN KING File # 96-5363R

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

SAMPLE#	Ga %	Ge %
TK-15	<.001	<.001
TK-18	.002	.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. C. L. ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

FA

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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT TUNGSTEN KING File # 96-5363R
P.O. Box 10435, 1610 - 77, Vancouver BC V7Y 1K5

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
TK-18	26.0	83.9	43.1	9.6	3.7	<.5	1.2	<.1	.9	1.7	<.3	11.7	1.4	3.2	11.6

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY**..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 FA

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 TUNGSTEN KING SOUTH File # 96-4756

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	Au** gm/t
TKS-3	31	631	3894	458	4.4	179	11	358	20.71	56	<5	<2	2	211	17.4	31	<2	55	12.74	.005	3	16	6.45	17	<.01	<3	.08	<.01	<.01	<2	.04
TKS-4	<1	10	3726	11232	2.7	11	3	287	16.61	32	<5	<2	<2	238	57.5	22	<2	6	10.23	.017	4	8	4.32	14	<.01	7	.04	<.01	.02	<2	.03
TKS-5	31	648	4776	327	6.6	95	15	754	14.32	12	<5	<2	2	348	10.0	13	<2	48	12.53	.009	2	15	7.28	30	.01	<3	.38	.02	.08	<2	.02
RE TKS-5	34	668	5101	332	6.8	102	16	795	15.37	11	<5	<2	3	363	10.2	15	4	50	13.38	.009	3	17	7.75	32	.01	<3	.40	.02	.08	<2	.02

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: SEP 25 1996 DATE REPORT MAILED: Oct 7/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TRUMAN HILL File # 96-3724

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	Au** gm/t
TR-1	3	166	10312	79015	25.2	17	2	445	8.98	47	<5	<2	<2	165	871.9	31	<2	7	24.58	.005	4	9	7.38	9	.01	3	.42	.02	.12	<2	.05
TR-2	3	13	5887	99999	2.5	29	3	613	13.34	47	<5	<2	2	122	1337.5	14	5	8	21.67	.005	5	12	7.57	3	.02	4	.71	.01	.35	2	.05
TR-3	<1	9	6500	77362	2.5	19	<1	480	15.79	60	<5	<2	<2	63	743.5	13	<2	9	12.45	.007	2	13	5.66	14	.02	<3	.81	.01	.40	<2	.03
TR-4	2	55	25648	83709	59.1	9	5	4176	4.27	48	<5	<2	5	186	416.2	71	<2	21	11.23	.045	4	23	1.41	114	.07	<3	1.50	.01	.19	<2	.05
RE TR-4	2	53	26050	85763	60.3	6	5	4272	4.34	45	<5	<2	5	190	428.9	69	<2	22	11.44	.045	4	24	1.44	119	.07	3	1.52	.02	.19	<2	.06

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: AUG 14 1996 **DATE REPORT MAILED:** Aug 28/96 **SIGNED BY** C. L........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 ICP ANALYSIS

Sultan Minerals PROJECT TRUMAN HILL File # 96-3724R

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

SAMPLE#	Ga %	Ge %
TR-1	<.001	.001
TR-2	<.001	.002
TR-3	<.001	.002
TR-4	.003	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TRUMAN HILL File # 96-4961

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	Au** gm/t
TR-5	9	129	1463	99999	6.6	16	3	441	6.44	15	8	<2	3	200	1489.4	5	2	8	26.34	.006	6	4	5.05	45	.01	3	.20	.02	.11	22	.01
TR-6	10	14	13873	99999	8.4	8	<1	525	6.43	9	12	<2	4	119	1168.7	24	<2	9	22.23	.006	6	7	8.39	48	.01	<3	.37	.02	.20	25	.01
RE TR-6	8	9	13046	99107	7.9	12	1	474	5.88	2	<5	<2	4	107	1093.0	22	<2	8	20.33	.006	6	6	7.77	51	.01	<3	.33	.02	.19	33	<.01

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: OCT 2 1996 DATE REPORT MAILED: Oct 10/96 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

ASSAY CERTIFICATE

Sultan Minerals PROJECT TRUMAN HILL File # 96-4961R

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

SAMPLE#	Zn %
TR-5	10.44
TR-6	9.35

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 19/96 SIGNED BY.......... .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 ICP ANALYSIS

Sultan Minerals PROJECT TRUMAN HILL File # 96-4961R2

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

SAMPLE#	Ga %	Ge %
TR-5	<.001	<.001
TR-6	<.001	.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

a JC FA ____

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 TRUMAN HILL File # 96-5141

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	Au** gm/t
TR-7	6	33	12891	40627	4.7	21	15	673	20.80	55	<5	<2	2	82	373.9	10	<2	9	10.92	.010	5	21	5.87	34	.03	<3	1.12	.01	.55	<2	.01

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.

DATE RECEIVED: OCT 8 1996 **DATE REPORT MAILED:** Oct 17/96 **SIGNED BY**.......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

* Assay Pb & Zn in progress

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT TRUMAN HILL File # 96-5141R

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

SAMPLE#	Pb %	Zn %
TR-7	.91	3.82

1 GM SAMPLE LEACHED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 22 1996 DATE REPORT MAILED: Oct 25/96 SIGNED BY............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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT POSIE File # 96-3791

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	Au** gm/t
UV-1-1	2	60	142	2392	.6	9	4	81	1.46	16	<5	<2	<2	8	15.4	<2	<2	3	.40	.025	2	32	.17	8	<.01	<3	.26	.01	.04	28	.05
UV-1-2	15	2991	28244	55653	60.4	47	2	831	3.85	84	7	<2	2	86	324.8	76	<2	231	6.82	.066	3	28	1.04	64	.02	3	.68	.01	.43	<2	.19
UV-2-1	8	462	24660	4440	96.0	9	<1	39	1.31	31	<5	<2	2	4	34.5	52	<2	6	.06	.085	1	34	<.01	6	<.01	3	.02	<.01	.01	36	.20
UV-2-2	13	85	23561	331	11.8	12	1	40	1.23	29	9	<2	4	8	2.4	31	<2	151	.31	.614	5	52	.02	55	<.01	3	.24	.01	.11	17	.04
UV-3-1	1	462	211	60	1.5	41	179	73	16.13	<2	<5	<2	<2	8	<.2	<2	<2	3	.66	.001	<1	29	.15	2	<.01	<3	.04	<.01	.01	5	.02
UV-3-2	1	43	69	77	<.3	17	11	665	3.34	3	<5	<2	4	69	.3	<2	<2	80	4.86	.084	17	40	1.37	50	.25	<3	1.94	.06	.94	<2	.24
RE UV-3-2	<1	43	63	78	<.3	17	11	675	3.37	<2	<5	<2	4	71	.4	<2	<2	81	4.91	.083	16	40	1.38	51	.26	<3	1.96	.06	.96	<2	<.01

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: AUG 19 1996 **DATE REPORT MAILED:** Aug 29/96 **SIGNED BY**.......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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT UNITED VESDE File # 96-5364

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	Au** gm/t
UV-1-3	11	38	3538	517	14.9	17	<1	29	4.88	60	<5	<2	<2	2	.7	28	3	4	.01	.010	3	20	.01	8	<.01	<3	.07	.01	.04	6	.11
UV-4-1	3	587	26554	1262	221.1	4	<1	21	.35	<2	<5	<2	2	3	16.8	207	<2	1	.01	.012	<1	17	<.01	2	<.01	<3	<.01	<.01	<.01	4	.63

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.

DATE RECEIVED: OCT 17 1996 DATE REPORT MAILED: Oct 30/96 SIGNED BY C.L........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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT SUMIT File # 96-3789

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	Au** gm/t
SUMMIT-1	<1	26	1238	1553	1.4	3	1	673	.43	3	<5	<2	<2	331	9.6	<2	<2	2	35.25	<.001	2	4	.86	28	<.01	<3	.16	.01	.03	<2	.54
SUMMIT-2	<1	242	10879	3541	18.6	2	1	1603	.68	10	<5	<2	<2	294	37.6	29	<2	7	31.94	<.001	2	9	4.70	45	.01	<3	.30	<.01	.15	<2	2.54
SUMMIT-3	<1	6	726	728	1.0	1	<1	1307	.23	6	<5	<2	2	617	5.2	<2	2	5	35.87	<.001	2	3	.67	10	<.01	<3	.11	.01	.04	338	.96
SUMMIT-4	1	30	7038	2138	7.5	<1	<1	1788	.21	7	<5	<2	<2	422	16.2	11	<2	1	33.31	<.001	2	3	.52	7	<.01	3	.05	<.01	.01	181	6.20
SUMMIT-5	2	3205	25147	44426	107.8	8	1	592	1.72	<2	7	68	2	139	315.3	81	<2	1	11.00	.001	<1	42	.23	5	<.01	<3	.02	.01	.01	<2	59.88
SUMMIT-6	<1	409	32440	34655	43.7	3	1	1185	2.09	37	<5	25	2	374	279.6	68	<2	4	37.50	<.001	1	43	1.71	20	<.01	<3	.06	.01	.03	<2	30.72
RE SUMMIT-6	1	385	30219	33302	77.1	3	1	1115	1.95	31	<5	95	<2	350	261.4	62	3	3	35.38	<.001	<1	37	1.59	18	<.01	<3	.06	.01	.03	<2	27.99

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: AUG 19 1996 **DATE REPORT MAILED:** Aug 30/96 **SIGNED BY** .... 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 ICP ANALYSIS

Sultan Minerals PROJECT SUMIT File # 96-3789R

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

SAMPLE#	Ga %	Ge %
SUMMIT-1	<.001	<.001
SUMMIT-2	<.001	<.001
SUMMIT-3	<.001	<.001
SUMMIT-4	<.001	<.001
SUMMIT-5	<.001	<.001
SUMMIT-6	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 4 1996 **DATE REPORT MAILED:** Dec 23/96 **SIGNED BY**..........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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT SUMMIT File # 96-5267

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	Au** gm/t
SUM-7	1	92	28	50	.7	4	6	1614	8.68	<2	<5	<2	5	10	<.2	<2	23	7	.08	.155	12	16	.04	73	.10	<3	.28	.01	.01	274	<.01
SUM-8	<1	7	11	15	<.3	3	1	1147	.89	4	<5	<2	<2	320	.2	<2	<2	2	38.82	.031	2	4	.62	51	.01	<3	.21	<.01	.11	3	.01
SUM-9	<1	9	7	27	<.3	7	2	959	1.41	3	<5	<2	<2	246	.4	<2	<2	8	39.20	.038	1	10	.50	25	.04	3	.59	.01	.25	3	<.01
SUM-10	1	13	5	29	<.3	9	7	3621	3.53	<2	<5	<2	<2	131	<.2	<2	<2	7	4.35	.079	3	8	.19	500	.02	<3	.16	<.01	.06	2	.04
SUM-11	<1	5	17	11	<.3	3	1	1847	1.49	4	<5	<2	2	315	<.2	<2	<2	3	39.02	.102	6	2	.31	81	<.01	<3	.12	<.01	.04	2	<.01
SUM-12	<1	6	6	15	<.3	5	3	1561	2.20	3	<5	<2	<2	228	.3	<2	<2	6	30.71	.067	4	5	.33	107	.02	<3	.21	<.01	.10	<2	<.01
SUM-13	<1	4	8	13	<.3	4	1	1370	1.34	3	<5	<2	<2	259	<.2	<2	<2	3	41.07	.056	3	3	.37	95	.01	<3	.11	<.01	.07	<2	<.01
SUM-14	<1	166	426	6053	2.6	5	6	1605	3.10	2	<5	<2	2	91	49.8	<2	3	5	4.54	.118	5	12	.38	136	.05	<3	.37	<.01	.22	2	.05
RE SUM-14	1	168	449	6053	2.5	4	6	1617	3.12	<2	<5	<2	2	91	49.8	<2	5	4	4.56	.119	5	14	.38	134	.05	<3	.37	<.01	.21	2	.09
* SUM-15	1	1952	28665	24942	97.9	4	3	561	3.57	<2	<5	<2	3	21	187.8	65	4	5	.83	.176	8	17	.25	41	.03	<3	.45	<.01	.10	42	2.49
* SUM-16	1	213	13629	15329	23.0	2	1	2209	.88	8	<5	11	<2	305	107.7	26	<2	2	30.50	.038	2	11	.44	6	<.01	<3	.08	.01	<.01	298	7.77

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: OCT 15 1996 **DATE REPORT MAILED:** Oct 24/96 **SIGNED BY** C. Leong ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

* Assay Pb, Zn in progress

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT SUMMIT File # 96-5267R

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

SAMPLE#	Pb %	Zn %
SUM-15	8.34	2.41
SUM-16	1.20	1.65

1 GM SAMPLE LEACHED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 25 1996 DATE REPORT MAILED: Nov 4/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5995

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	Au** gm/t	Ga ppm	Ge ppm
LN-1	3	9	1000	12546	5.1	3	1	796	.75	16	<5	<2	<2	242	46.4	<2	<2	8	25.35	.040	3	23	8.61	37	<.01	<3	.11	.01	.05	4	.01	<1	4.3
LN-2	<1	84	27	281	.4	25	19	414	3.86	12	<5	<2	15	53	.5	<2	3	41	3.59	.057	20	54	1.48	163	.14	<3	3.15	.16	.79	<2	.01	16	3.7
LN-3	1	10	337	1692	1.7	15	7	218	1.49	27	5	<2	20	131	6.9	<2	<2	11	14.99	.053	7	21	.79	83	.04	<3	1.02	.02	.17	<2	.02	9	3.5
LN-4	<1	235	12520	55301	29.3	12	<1	349	14.22	395	9	<2	2	76	147.0	18	2	5	9.65	.017	3	48	3.39	4	.01	<3	.21	.01	.10	331	.68	<1	5.3
LN-5	<1	3	3251	566	7.3	2	<1	325	.39	6	<5	<2	<2	113	1.4	3	<2	21	20.46	.007	1	3	10.83	38	<.01	<3	.09	.01	.04	<2	.01	<1	1.8
LN-6	4	15	23537	36286	77.0	4	2	34	.56	<2	<5	<2	<2	10	110.2	53	3	1	.33	.002	<1	28	.10	12	<.01	<3	.01	<.01	<.01	<2	.05	<1	4.2
RE LN-6	4	16	23684	38315	81.6	4	3	36	.59	<2	<5	<2	<2	11	116.9	58	<2	1	.36	.003	<1	34	.11	13	<.01	<3	.01	<.01	<.01	<2	.04	1	4.4
LN-7	274	4	6714	1405	50.2	1	1	707	.71	<2	<5	<2	2	280	7.5	12	65	2	23.79	.009	3	5	9.74	16	<.01	<3	.10	.01	.02	<2	.05	1	1.1
LN-8	10	183	392	148	1.4	79	36	266	5.55	3	<5	<2	3	55	<.2	<2	4	231	1.14	.155	8	87	1.63	32	.32	<3	2.42	.15	.85	<2	.01	-	-

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.
GA BY MULTI-ACID DIGESTION, ANALYSSI BY ICP. GE BY HF DIGESTION, ANALYSIS BY HYDRIDE ICP.
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 15 1996 DATE REPORT MAILED: Nov 26/96 SIGNED BY D. Toye ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

FA

10.0 APPENDIX B

SOIL AND SILT SAMPLE RESULTS

ACME LABS LTD. - CERTIFICATES OF ANALYSES

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-2124

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	Au* ppb
L106N 28+00E	1	22	12	185	<.3	39	15	2941	2.98	7	<5	<2	5	25	.4	2	<2	44	.25	.256	15	42	.50	353	.15	4	3.31	.02	.13	<2	2
L106N 28+25E	<1	32	19	144	<.3	66	17	917	3.14	11	<5	<2	5	43	.6	<2	2	34	.51	.348	13	18	.30	289	.17	5	4.15	.04	.10	<2	4
L106N 28+50E	1	76	22	181	<.3	92	31	1342	5.33	3	<5	<2	9	32	.9	<2	<2	58	.35	.092	31	63	1.02	174	.18	3	4.50	.02	.20	2	2
L106N 28+75E	2	86	31	198	.3	88	40	2469	5.11	6	<5	<2	7	33	1.2	4	<2	61	.40	.102	24	39	.75	170	.14	3	3.96	.02	.14	2	11
L106N 29+00E	1	29	19	206	<.3	51	16	2757	3.44	5	<5	<2	4	28	.8	<2	<2	55	.37	.052	17	34	.57	362	.13	<3	2.78	.02	.11	<2	1
L106N 29+25E	1	28	18	262	<.3	52	12	1362	3.00	9	<5	<2	5	20	.7	2	<2	47	.20	.195	15	26	.42	370	.19	<3	4.22	.03	.09	<2	1
L104N 24+50E	<1	54	21	181	<.3	154	49	2407	5.05	5	<5	<2	5	83	1.2	<2	3	92	.59	.113	16	252	2.13	359	.24	<3	4.84	.01	.56	<2	13
L104N 24+75E	1	44	15	185	<.3	155	45	1200	4.55	14	<5	<2	8	37	.7	<2	<2	75	.28	.075	18	128	1.45	193	.20	<3	4.47	.02	.27	2	6
L104N 25+00E	<1	28	17	158	<.3	158	30	1596	3.89	5	<5	<2	5	36	.8	<2	<2	65	.31	.103	15	150	1.86	253	.20	<3	4.26	.02	.18	2	2
L104N 25+25E	<1	31	11	75	<.3	46	15	383	3.03	14	<5	<2	9	13	.2	<2	<2	40	.13	.081	30	47	.73	145	.07	<3	2.13	.01	.13	<2	6
L104N 25+50E	<1	25	9	124	<.3	51	14	376	3.05	9	<5	<2	7	21	.3	<2	<2	51	.19	.069	22	49	.75	267	.11	<3	2.38	.01	.14	<2	5
L104N 25+75E	1	18	14	125	<.3	44	15	1129	2.84	22	<5	<2	8	28	.2	4	<2	41	.24	.164	18	42	.60	270	.11	<3	2.25	.01	.14	<2	3
L104N 26+00E	<1	20	17	216	<.3	35	16	1772	3.12	9	<5	<2	4	54	.5	2	<2	42	.50	.273	12	38	.54	368	.14	<3	2.67	.02	.20	2	1
L103N 24+50E	<1	29	13	112	<.3	89	24	994	3.95	12	<5	<2	7	55	.7	<2	<2	62	.40	.062	19	78	1.01	222	.19	<3	4.45	.02	.27	<2	7
L103N 24+75E	<1	20	21	141	<.3	48	17	1924	3.07	16	<5	<2	6	26	.8	<2	<2	45	.21	.200	18	42	.58	225	.10	<3	2.66	.01	.13	<2	3
RE L103N 24+75E	<1	20	18	143	<.3	50	17	1965	3.10	13	<5	<2	6	26	.6	<2	<2	45	.22	.201	18	42	.59	227	.10	<3	2.68	.01	.14	<2	2
L103N 25+25E	<1	15	18	187	<.3	38	13	1266	2.62	9	<5	<2	4	26	.3	2	<2	35	.21	.428	9	23	.29	364	.17	<3	3.03	.02	.10	<2	1
L103N 25+75E	1	21	20	114	<.3	49	15	1103	3.21	25	<5	<2	6	21	.4	<2	<2	52	.19	.074	17	56	.76	199	.14	<3	2.40	.01	.14	<2	3
L103N 26+25E	1	18	16	111	<.3	49	14	1115	3.05	6	<5	<2	8	23	.4	2	<2	52	.25	.105	18	47	.63	304	.15	<3	3.15	.02	.11	2	7
L102N 24+50E	<1	16	17	144	<.3	46	13	810	2.87	8	<5	<2	6	25	.3	<2	<2	44	.22	.235	16	33	.50	298	.14	<3	3.73	.02	.13	<2	3
L102N 24+75E	1	23	11	135	<.3	40	14	732	2.96	14	<5	<2	7	28	.4	<2	<2	45	.20	.189	19	35	.53	291	.15	<3	3.82	.02	.12	<2	3
L102N 25+00E	<1	32	16	186	<.3	95	29	2641	4.06	43	<5	<2	7	40	.9	<2	<2	69	.40	.132	19	78	1.02	456	.22	3	4.30	.02	.21	<2	5
L102N 25+25E	1	22	23	160	<.3	49	20	2121	3.38	15	<5	<2	5	37	.6	<2	<2	53	.32	.096	17	59	.87	299	.14	<3	2.57	.01	.22	<2	2
L102N 25+50E	<1	26	18	127	<.3	61	19	1237	3.55	18	<5	<2	7	31	.5	2	<2	57	.27	.098	19	63	.86	230	.18	<3	3.57	.01	.22	<2	3
L102N 25+75E	1	24	10	120	<.3	49	15	1047	3.08	9	<5	<2	7	36	.4	<2	<2	49	.30	.128	20	47	.70	293	.14	<3	3.13	.02	.14	<2	2
L102N 26+00E	1	27	15	141	<.3	67	19	1173	3.76	14	<5	<2	6	48	.7	2	<2	53	.45	.406	15	57	.79	415	.18	3	4.10	.02	.19	2	3
L102N 26+25E	<1	65	17	218	<.3	112	49	1549	5.06	14	<5	<2	6	53	.9	<2	<2	70	.54	.222	14	116	1.55	417	.25	4	3.85	.02	.37	<2	7
L102N 26+50E	1	25	22	110	<.3	52	16	885	3.16	10	<5	<2	7	18	.4	2	<2	52	.16	.127	19	56	.74	210	.14	<3	3.15	.01	.12	2	4
L90N 32+00E	1	29	42	315	.7	44	10	426	2.54	21	<5	<2	6	22	1.9	<2	<2	66	.36	.241	15	30	.51	278	.18	<3	4.16	.03	.14	9	2
L90N 32+25E	2	35	194	603	<.3	44	13	812	2.97	32	<5	<2	6	28	3.5	<2	<2	66	.69	.166	19	45	.79	298	.13	3	2.93	.02	.23	43	9
L90N 32+50E	1	29	15	173	<.3	51	15	1027	3.16	20	<5	<2	7	22	.8	2	2	61	.33	.177	17	56	.75	410	.12	3	3.46	.02	.22	9	5
L90N 32+75E	2	27	14	176	.3	43	13	923	2.92	20	<5	<2	6	25	.6	<2	<2	62	.42	.203	18	47	.71	448	.12	3	3.11	.02	.22	3	12
L90N 33+00E	2	33	31	401	<.3	52	13	1467	3.12	27	<5	<2	6	21	2.3	<2	<2	99	.41	.191	14	43	.81	653	.17	5	3.45	.02	.19	5	38
L89N 31+75E	2	52	67	322	.3	61	18	625	3.62	22	<5	<2	9	24	2.0	<2	<2	108	.46	.098	24	60	1.03	358	.22	6	4.86	.03	.27	5	6
L89N 32+25E	3	58	82	639	.3	135	35	3547	4.95	44	<5	<2	3	30	5.5	4	2	96	.52	.169	18	83	1.70	690	.21	6	4.11	.02	.15	52	199
STANDARD C2/AU-S	20	60	36	143	6.4	73	36	1234	3.95	41	19	8	36	52	20.1	17	19	74	.54	.099	41	67	1.06	201	.07	27	1.99	.06	.14	16	52

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

Sultan Minerals PROJECT JERSEY FILE # 96-2124

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L89N 32+75E	1	27	147	466	<.3	37	16	3518	4.05	164	<5	<2	7	20	3.7	<2	<2	70	.79	.172	27	35	1.89	536	.17	4	5.20	.04	.10	18	20
L89N 33+25E	1	15	51	279	<.3	25	9	1622	2.88	4	<5	<2	5	18	1.2	<2	<2	55	.53	.142	17	27	1.46	289	.17	6	4.68	.02	.09	<2	2
L88N 31+00E	2	55	36	330	<.3	75	24	882	4.23	63	<5	<2	7	23	1.3	<2	<2	78	.45	.156	23	59	.97	302	.16	<3	4.20	.03	.23	7	10
L88N 31+25E	2	37	198	639	<.3	59	15	825	3.42	34	<5	<2	8	33	4.0	<2	2	72	.82	.217	19	53	.98	427	.15	4	4.18	.03	.25	28	6
L88N 31+75E	3	60	26	300	<.3	71	18	502	3.86	31	<5	<2	9	20	1.1	<2	<2	88	.34	.048	31	67	1.17	519	.19	<3	3.22	.02	.33	6	8
L88N 32+00E	2	42	45	404	<.3	41	12	1763	3.24	29	<5	<2	6	23	3.7	<2	<2	53	.58	.270	28	25	.52	815	.21	4	5.18	.04	.11	<2	3
L88N 32+25E	1	23	146	419	<.3	34	11	2615	3.54	19	<5	<2	7	31	3.0	2	<2	70	1.66	.239	30	29	1.81	1654	.19	7	5.06	.04	.13	7	1
L88N 32+50E	2	20	179	502	.3	27	10	1881	2.97	<2	<5	<2	6	31	3.3	<2	<2	64	1.65	.248	21	25	1.74	2766	.19	4	4.99	.04	.11	13	2
L88N 32+75E	1	13	106	423	<.3	29	10	1194	2.95	5	<5	<2	6	26	1.8	<2	<2	60	1.02	.262	17	29	1.30	460	.20	4	4.98	.03	.10	<2	2
L88N 33+00E	2	20	38	207	<.3	37	11	1120	2.97	9	<5	<2	6	19	1.1	<2	<2	61	.64	.091	18	40	2.64	299	.18	6	4.55	.02	.12	5	3
L87N 30+75E	2	30	34	199	<.3	60	15	597	3.37	53	<5	<2	7	23	.9	2	<2	68	.49	.125	17	56	.85	382	.16	3	3.55	.02	.28	4	8
RE L87N 30+75E	2	33	31	211	<.3	64	16	626	3.56	57	<5	<2	7	24	.8	2	2	72	.52	.129	18	59	.89	399	.17	3	3.87	.02	.30	2	10
L87N 31+25E	1	27	32	260	<.3	38	11	1180	2.69	13	<5	<2	5	25	1.1	<2	<2	50	.44	.280	18	40	.54	468	.14	3	3.09	.03	.21	<2	2
L87N 31+75E	3	76	157	556	1.2	23	26	5553	6.84	48	<5	<2	6	48	4.9	3	3	59	3.49	.180	22	20	2.62	1751	.17	5	4.83	.03	.12	3	214
L87N 32+25E	3	40	300	777	.3	15	7	5045	2.07	15	<5	<2	<2	40	7.9	<2	<2	38	2.25	.278	13	17	1.47	701	.08	9	2.51	.03	.12	192	5
L86N 29+00E	1	30	19	193	<.3	50	16	602	3.43	20	<5	<2	7	20	.8	4	2	62	.34	.197	17	57	.85	350	.16	3	4.67	.02	.21	4	2
L86N 29+25E	1	18	16	209	<.3	39	15	1265	3.14	12	<5	<2	5	24	.7	3	2	52	.32	.176	14	49	.60	397	.15	<3	3.17	.02	.16	<2	<1
L86N 29+50E	1	38	13	162	<.3	44	15	265	3.02	10	<5	<2	8	20	.7	<2	<2	54	.30	.105	23	49	.70	356	.12	<3	3.38	.02	.18	5	4
L86N 29+75E	1	31	10	153	.5	50	16	476	3.37	20	<5	<2	7	20	.6	2	<2	56	.32	.101	20	61	.82	332	.15	<3	3.47	.02	.26	2	10
L86N 30+00E	1	27	20	189	<.3	45	14	378	3.06	42	<5	<2	7	17	.8	<2	<2	57	.38	.215	15	45	.64	248	.14	<3	3.20	.02	.17	2	5
L86N 30+25E	2	42	43	285	.3	68	19	496	3.83	29	<5	<2	9	20	1.6	<2	<2	77	.51	.101	23	73	1.08	500	.17	3	4.06	.02	.30	3	4
L86N 30+50E	1	29	64	291	<.3	43	13	770	3.25	8	<5	<2	8	25	1.6	<2	<2	87	.85	.135	21	41	1.32	571	.21	5	5.06	.04	.15	4	3
L86N 30+75E	2	37	148	343	<.3	52	16	1032	3.67	17	<5	<2	9	18	1.5	<2	<2	114	.51	.160	21	53	1.45	402	.20	<3	4.84	.02	.13	7	7
L86N 31+00E	1	25	87	334	.3	31	10	1901	3.30	15	<5	<2	7	31	1.9	<2	2	81	1.06	.254	23	31	1.55	865	.21	4	5.52	.04	.11	<2	1
L85N 28+25E	1	24	17	177	<.3	47	14	567	3.12	9	<5	<2	7	24	.6	<2	<2	56	.36	.154	18	52	.79	350	.16	<3	3.54	.02	.21	<2	31
L85N 28+75E	1	30	17	102	<.3	39	12	561	2.82	14	<5	<2	8	18	.6	3	<2	49	.28	.087	25	51	.71	268	.10	<3	2.18	.01	.22	3	15
L85N 29+25E	1	28	36	212	<.3	45	13	559	3.15	5	<5	<2	7	19	.8	<2	<2	58	.33	.198	18	46	.92	608	.16	<3	4.53	.03	.18	<2	4
L85N 29+75E	1	22	21	174	<.3	37	11	641	3.03	15	<5	<2	6	19	.7	5	<2	57	.29	.278	11	34	.63	266	.19	3	4.40	.03	.13	2	<1
L84N 27+50E	1	25	44	331	<.3	60	20	2155	3.72	19	<5	<2	6	22	1.7	2	<2	79	.56	.211	17	55	1.10	788	.19	3	3.32	.02	.20	<2	<1
L84N 27+75E	1	29	44	272	<.3	64	14	732	3.29	13	<5	<2	7	21	1.1	4	<2	63	.37	.185	20	44	.80	766	.21	4	4.75	.03	.19	2	1
L84N 28+00E	1	22	241	628	.3	44	15	1805	3.20	4	<5	<2	7	33	5.1	4	<2	68	1.45	.361	27	31	1.44	6441	.17	4	4.64	.04	.16	3	1
L84N 28+25E	1	17	102	360	<.3	22	8	1410	3.11	3	<5	<2	6	20	1.7	3	<2	60	.69	.388	18	22	.87	372	.22	<3	5.81	.03	.08	<2	1
L84N 28+50E	1	20	37	271	<.3	37	10	838	2.82	7	<5	<2	5	15	.7	<2	<2	47	.26	.278	15	32	.53	618	.18	<3	4.25	.03	.14	<2	1
L84N 28+75E	1	29	140	260	.3	43	14	829	3.53	2	<5	<2	8	20	.8	3	<2	68	.44	.138	27	46	1.02	1058	.24	3	5.34	.03	.18	<2	<1
L84N 29+00E	1	24	508	574	.6	32	10	1613	3.17	14	<5	<2	7	29	3.6	3	<2	81	1.50	.309	31	36	2.45	355	.23	5	5.60	.03	.11	<2	5
STANDARD C2/AU-S	20	60	39	144	6.3	75	37	1243	3.97	42	18	8	38	52	20.3	16	17	73	.54	.100	40	67	1.07	216	.07	25	2.02	.06	.14	14	47

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

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

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-2124

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	Au* ppb
L84N 29+25E	1	27	33	138	<.3	39	11	552	2.96	5	<5	<2	8	19	.3	<2	<2	56	.28	.115	21	39	.74	357	.19	3	4.22	.03	.14	<2	<1
L84N 29+50E	1	18	156	406	<.3	31	13	4104	2.77	12	<5	<2	6	17	1.9	<2	<2	64	.50	.293	18	36	1.38	4438	.16	3	3.60	.03	.13	<2	<1
L84N 29+75E	1	20	20	133	<.3	24	8	671	2.51	7	<5	<2	6	15	.4	<2	<2	45	.21	.153	15	24	.46	358	.17	3	4.27	.03	.08	<2	1
L84N 30+00E	2	19	46	167	<.3	45	13	716	3.03	5	<5	<2	7	16	.6	<2	<2	56	.29	.131	17	57	.73	498	.21	<3	4.42	.02	.09	<2	1
L83N 30+25E	1	20	78	157	<.3	27	9	1091	2.39	6	<5	<2	5	22	1.5	<2	<2	51	1.10	.089	18	32	1.33	240	.14	5	3.14	.02	.13	21	<1
RE L83N 30+25E	1	21	81	163	<.3	28	9	1135	2.43	9	<5	<2	5	22	1.4	<2	<2	52	1.14	.091	18	32	1.36	244	.14	5	3.23	.02	.13	21	<1
L83N 30+75E	1	33	92	258	<.3	55	14	366	3.41	9	<5	<2	8	24	1.7	<2	<2	69	.83	.172	26	42	1.28	325	.24	4	5.37	.04	.14	<2	4
L83N 31+25E	1	17	31	300	<.3	28	7	606	2.41	21	<5	<2	5	14	1.5	<2	<2	51	.29	.270	8	21	.45	264	.18	3	4.72	.03	.09	<2	1
L83N 31+75E	1	29	67	290	.4	32	9	734	2.77	47	<5	<2	6	23	2.7	<2	<2	63	.54	.227	13	23	.48	234	.24	3	5.96	.04	.08	11	1

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L99N 48+75E	6	66	31	756	1.0	55	10	720	4.12	<2	<5	<2	6	17	4.6	<2	<2	316	.30	.448	10	49	.96	339	.12	3	3.01	.01	.08	<2	6
L99N 49+25E	22	212	26	1175	10.7	144	21	474	5.63	5	10	<2	9	17	4.3	<2	<2	388	.23	.284	19	37	.70	581	.15	3	4.79	.02	.09	<2	7
RE L99N 49+25E	22	211	30	1160	10.5	143	21	473	5.62	5	11	<2	8	18	4.1	2	<2	387	.23	.281	18	35	.70	577	.15	<3	4.74	.01	.09	<2	1
L99N 49+75E	4	58	60	817	1.9	60	12	1884	3.45	8	<5	<2	3	25	3.4	<2	<2	162	.26	.291	12	31	.54	427	.13	<3	2.76	.01	.09	<2	3
L99N 50+25E	6	69	38	748	2.0	73	14	849	3.55	4	<5	<2	2	19	2.1	6	<2	176	.16	.146	13	38	.77	177	.14	<3	2.85	.01	.11	2	2
L99N 50+75E	5	46	36	574	.7	58	12	1039	3.30	4	<5	<2	3	25	1.7	5	<2	162	.26	.125	10	45	.80	220	.14	<3	2.46	.02	.10	<2	2
L99N 51+25E	10	81	19	301	.8	39	7	455	3.60	4	<5	<2	<2	21	1.5	5	<2	136	.11	.159	12	23	.49	93	.08	<3	2.90	.01	.09	<2	2
L99N 51+75E	11	69	22	512	.9	57	5	210	3.47	7	<5	<2	3	27	1.7	2	<2	451	.24	.208	12	42	.71	134	.11	<3	2.30	.01	.10	<2	1
L99N 52+25E	6	81	31	536	1.3	57	9	689	2.83	3	<5	<2	<2	28	2.0	4	<2	264	.30	.200	12	34	.61	191	.07	<3	2.92	.01	.08	<2	<1
L99N 53+75E	6	92	32	605	.5	68	14	794	3.46	<2	<5	<2	<2	22	3.1	3	<2	196	.24	.199	15	44	.80	232	.08	<3	3.43	.01	.12	<2	<1
L99N 54+25E	6	146	31	496	.6	78	15	698	3.69	2	<5	<2	3	18	1.9	<2	<2	178	.19	.184	15	33	.67	241	.11	<3	3.97	.01	.11	<2	3
L99N 54+75E	7	130	52	663	.6	62	17	803	3.69	<2	5	<2	2	61	5.3	3	<2	144	.86	.226	11	27	.57	430	.09	3	3.68	.02	.13	<2	1
L99N 55+25E	13	213	25	591	1.1	64	21	772	5.37	<2	<5	<2	2	52	5.2	<2	<2	201	.77	.362	10	35	.65	381	.07	3	3.29	.02	.14	<2	1
L99N 59+25E	4	66	35	477	<.3	37	8	483	3.51	6	<5	<2	3	27	1.7	<2	<2	143	.29	.175	10	28	.43	188	.10	<3	1.88	.01	.07	<2	<1
L99N 59+75E	8	108	33	1675	.6	131	24	625	5.13	<2	<5	<2	7	35	7.2	<2	<2	225	.36	.314	14	37	.71	270	.15	<3	5.14	.02	.08	<2	1
L97N 48+75E	3	44	58	878	.5	69	10	760	2.65	5	<5	<2	5	14	4.6	<2	<2	161	.24	.271	10	30	.54	223	.12	<3	2.99	.01	.10	<2	1
L97N 49+25E	9	74	59	643	.8	67	12	1176	3.45	9	<5	<2	3	34	2.8	5	2	224	.39	.208	12	34	.65	370	.10	<3	2.50	.01	.11	2	1
L97N 49+75E	6	65	55	779	.6	60	11	897	2.82	6	<5	<2	3	29	3.9	6	<2	137	.29	.207	10	23	.46	212	.10	<3	2.64	.01	.09	2	1
L97N 50+25E	12	115	72	710	.9	89	15	1105	4.70	13	<5	<2	2	37	3.7	5	<2	135	.39	.257	9	19	.39	212	.08	3	3.15	.01	.08	<2	<1
L97N 50+75E	6	71	56	812	.5	79	16	1355	3.40	9	<5	<2	2	50	8.3	<2	<2	157	.59	.235	11	34	.65	387	.10	3	2.57	.01	.14	2	1
L97N 51+25E	7	116	47	1902	1.8	177	27	800	3.32	4	<5	<2	2	67	17.0	<2	<2	243	.56	.219	20	31	.64	250	.09	3	3.57	.01	.12	<2	1
L97N 51+75E	7	93	55	1122	2.0	112	27	746	3.60	<2	<5	<2	2	21	4.9	<2	<2	206	.18	.243	17	36	.85	179	.08	3	3.87	.01	.13	<2	2
L97N 52+25E	6	91	27	1118	1.2	103	40	747	2.68	4	<5	<2	<2	25	7.9	2	<2	209	.32	.169	21	38	.94	206	.04	3	3.15	.01	.12	<2	3
L97N 52+75E	6	110	44	1041	1.3	81	34	811	2.73	3	<5	<2	<2	41	15.2	2	<2	245	.56	.227	20	43	1.06	237	.05	3	3.32	.01	.12	<2	1
L97N 53+25E	8	146	35	770	.8	58	21	1391	4.72	<2	<5	<2	2	83	10.4	<2	<2	129	1.04	.293	9	28	.48	553	.07	4	3.01	.02	.12	<2	<1
L97N 53+75E	3	118	23	865	.6	59	17	1228	3.13	4	<5	<2	2	73	13.3	<2	<2	103	1.15	.292	9	23	.43	837	.08	4	2.39	.02	.11	<2	<1
L97N 54+25E	4	149	25	1063	.3	96	19	1027	3.92	<2	<5	<2	3	63	9.0	2	<2	159	1.21	.152	9	31	.57	543	.11	4	3.06	.02	.09	<2	1
L97N 54+75E	6	209	17	1243	1.2	130	28	620	3.69	<2	7	<2	3	33	7.4	2	<2	302	.57	.236	13	57	1.26	236	.11	<3	4.54	.02	.11	2	1
L97N 55+25E	4	106	46	1012	.5	89	26	1108	3.46	5	<5	<2	3	40	9.7	5	<2	156	.63	.253	13	33	.72	433	.12	3	3.28	.02	.12	3	1
L97N 55+75E	7	185	39	582	1.0	81	21	690	3.82	2	<5	<2	3	34	4.1	<2	<2	168	.46	.253	13	35	.70	363	.08	3	3.50	.01	.15	<2	1
L97N 56+25E	5	191	22	753	.6	94	20	605	3.64	4	<5	<2	2	36	4.4	<2	<2	177	.66	.209	13	36	.74	433	.09	3	3.19	.01	.11	<2	<1
L97N 56+75E	4	265	12	842	.9	130	25	662	4.55	<2	<5	<2	4	17	3.8	2	<2	237	.45	.250	13	42	.61	550	.09	<3	3.12	<.01	.11	<2	3
L97N 57+25E	3	126	20	575	.4	68	15	525	3.35	3	<5	<2	7	17	3.1	2	<2	219	.39	.323	15	47	.87	412	.11	<3	3.09	.01	.10	<2	2
L97N 57+75E	3	115	24	530	.4	61	14	544	2.94	<2	<5	<2	5	20	4.0	2	2	171	.51	.311	14	39	.70	424	.09	3	2.39	.01	.11	<2	3
L97N 58+25E	3	108	41	572	.6	55	14	858	2.79	2	<5	<2	3	46	2.5	3	<2	179	.71	.271	15	38	.69	345	.08	3	2.67	.01	.13	2	2
STANDARD C2/AU-S	21	63	39	147	6.4	74	38	1268	4.08	45	17	8	37	53	20.0	19	19	75	.55	.100	42	67	1.04	210	.07	28	2.04	.06	.13	13	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	Au* ppb
L97N 58+75E	3	123	30	815	.5	74	14	550	3.18	2	<5	<2	5	34	5.0	4	<2	223	.67	.277	16	42	.72	377	.10	3	2.74	.01	.09	2	1
L97N 59+25E	5	103	38	821	1.3	76	13	479	3.15	6	5	<2	5	26	4.6	6	<2	289	.75	.383	17	42	.72	341	.08	<3	2.65	.01	.11	3	1
L97N 59+75E	4	126	91	2762	1.0	168	14	820	3.14	6	7	<2	4	33	12.7	7	2	265	.80	.363	16	43	.71	397	.09	3	2.77	.01	.12	<2	3
L95N 50+25E	5	73	48	912	1.0	80	16	1118	3.26	8	5	<2	3	34	5.7	8	2	180	.43	.226	17	33	.73	528	.10	3	3.21	.01	.11	2	2
L95N 50+75E	4	77	65	1094	1.2	81	16	1089	2.84	8	5	<2	3	71	12.8	6	2	207	.92	.321	14	36	.70	857	.08	4	2.49	.01	.14	<2	1
L95N 51+25E	5	91	43	872	1.4	80	18	978	3.35	8	<5	<2	<2	52	6.5	5	<2	231	.64	.264	14	40	.99	621	.08	4	3.27	.01	.12	<2	1
L95N 51+75E	12	72	43	625	2.5	66	19	902	5.13	5	<5	<2	2	57	4.8	6	2	138	.59	.242	13	37	.94	372	.08	3	4.46	.02	.12	<2	2
L95N 52+25E	3	45	15	328	.6	30	8	291	1.52	<2	<5	<2	<2	15	2.1	<2	<2	68	.18	.095	6	13	.29	112	.03	<3	1.27	.01	.04	<2	1
L95N 52+75E	5	150	34	1755	1.3	138	27	708	3.49	<2	9	<2	3	31	9.0	2	3	257	.45	.208	20	43	.94	306	.10	3	3.81	.01	.12	<2	1
L95N 53+25E	5	151	29	1800	1.3	134	23	706	3.72	3	11	<2	4	42	11.5	5	<2	256	.73	.264	15	43	.97	462	.11	3	3.90	.01	.11	<2	1
L95N 53+75E	4	88	29	1258	.6	64	16	1056	3.11	5	5	<2	4	37	10.4	2	<2	251	.64	.269	12	41	.92	628	.11	3	2.60	.01	.10	<2	<1
L95N 54+25E	5	168	30	921	.9	96	20	654	3.73	3	5	<2	6	38	6.8	2	3	346	.72	.256	16	59	1.28	643	.11	3	3.57	.01	.11	<2	1
L95N 54+75E	4	136	24	767	.7	71	15	547	3.12	4	6	<2	6	44	7.3	<2	3	271	.76	.401	12	49	.96	727	.08	<3	3.14	.01	.11	<2	1
L95N 55+25E	5	343	36	2038	2.0	142	53	592	3.92	<2	12	<2	2	42	22.5	2	2	263	.95	.223	32	51	1.08	261	.05	<3	3.37	.01	.10	<2	1
L95N 55+75E	8	257	28	618	1.4	86	27	731	4.58	<2	15	<2	3	27	6.8	<2	3	182	.52	.351	12	39	.62	475	.04	<3	3.10	.01	.08	<2	1
L95N 56+25E	2	185	23	1383	.8	161	26	593	4.06	<2	<5	<2	7	46	7.9	2	2	197	.71	.286	18	58	1.28	729	.18	3	3.61	.01	.14	<2	1
L95N 56+75E	3	156	17	424	.8	70	16	692	3.64	3	<5	<2	4	30	2.5	3	2	221	.64	.383	17	48	.95	542	.11	3	3.76	.01	.12	<2	<1
RE L95N 56+75E	3	147	21	395	.7	65	15	663	3.51	<2	<5	<2	4	29	2.4	2	<2	210	.60	.368	16	45	.89	519	.10	3	3.51	.01	.11	<2	2
L95N 57+25E	3	137	188	784	2.3	63	18	471	3.74	5	6	<2	4	22	3.6	3	2	178	.63	.381	16	33	.81	320	.07	<3	2.97	.01	.08	<2	4
L95N 57+75E	2	86	57	640	1.1	53	13	805	2.96	3	<5	<2	3	34	6.1	5	2	125	.50	.351	14	31	.57	388	.08	<3	3.05	.01	.07	<2	1
L95N 58+25E	4	125	33	598	1.8	63	16	787	3.30	4	5	<2	3	26	2.8	2	3	267	.40	.265	15	47	1.01	344	.08	<3	3.17	.01	.09	<2	2
L95N 58+75E	3	73	56	761	.6	53	12	949	2.89	8	<5	<2	6	24	7.0	6	<2	226	.61	.346	17	38	.69	370	.07	3	2.36	.01	.12	2	2
L95N 59+25E	3	61	48	798	.6	57	12	1057	2.87	4	5	<2	4	31	6.9	5	3	199	.72	.352	11	33	.53	494	.08	<3	2.47	.01	.08	<2	1
L95N 59+75E	7	119	52	1138	1.3	111	15	598	3.29	7	6	<2	3	32	4.6	5	2	224	.46	.280	15	35	.68	314	.08	3	3.12	.01	.09	<2	1
L93N 48+25E	2	41	111	1041	1.2	42	13	2096	3.12	10	<5	<2	6	33	22.8	7	5	124	.53	.558	16	34	.60	1215	.12	3	2.74	.02	.17	2	6
L93N 48+75E	3	47	20	860	.5	53	11	624	2.46	6	<5	<2	4	29	10.0	4	<2	228	.46	.392	14	41	.99	655	.10	3	2.69	.01	.09	2	<1
L93N 49+25E	4	74	57	1131	.8	74	22	1122	3.09	7	6	<2	4	54	19.3	6	<2	314	.68	.289	15	51	1.27	682	.09	4	3.27	.01	.14	<2	2
L93N 49+75E	3	57	55	649	.5	52	11	739	2.43	8	<5	<2	4	55	8.4	2	<2	230	.91	.319	18	39	.74	591	.08	3	1.91	.01	.13	<2	2
L93N 50+25E	3	53	63	828	.6	65	13	999	2.76	7	<5	<2	5	40	13.1	<2	3	207	.60	.290	17	38	.80	739	.10	3	2.54	.01	.17	<2	1
L93N 50+75E	3	48	50	741	.4	59	11	781	2.84	3	<5	<2	4	40	11.8	3	<2	237	.63	.309	16	40	.78	623	.08	3	2.30	.01	.15	<2	1
L93N 51+25E	4	82	36	1051	.5	77	16	918	3.12	4	7	<2	5	61	16.7	3	<2	310	.84	.402	16	49	.95	1059	.09	4	2.84	.01	.16	<2	1
L93N 51+75E	4	93	27	681	.8	72	13	506	3.27	2	9	<2	5	34	5.0	2	3	331	.59	.284	17	59	1.11	527	.10	<3	2.86	.01	.16	<2	1
L93N 52+25E	3	50	61	936	.5	59	11	825	2.63	3	<5	<2	5	27	19.0	2	<2	241	.55	.387	15	42	.73	838	.09	3	2.28	.01	.12	<2	1
L93N 52+75E	5	139	30	893	1.2	87	20	577	3.95	<2	7	<2	6	32	10.3	<2	2	410	.57	.324	17	75	1.69	771	.10	<3	4.08	.01	.16	<2	2
L93N 53+25E	2	66	19	1861	.4	144	35	1444	5.00	6	<5	<2	9	93	32.0	<2	<2	162	1.28	.376	35	205	2.17	1284	.25	3	3.62	.03	.16	<2	<1
STANDARD C2/AU-S	20	58	37	141	5.9	71	35	1174	3.79	43	17	7	35	49	18.9	18	19	70	.54	.093	38	64	1.01	190	.07	26	1.90	.06	.13	13	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	Au* ppb
L93N 53+75E	4	159	43	1036	1.1	99	23	927	3.62	<2	<5	<2	6	56	14.3	3	<2	358	.77	.358	18	61	1.28	1325	.11	4	3.63	.01	.17	<2	2
L93N 54+25E	5	159	35	993	.8	97	17	569	3.41	2	<5	<2	6	34	6.6	4	2	344	.59	.275	17	53	1.12	519	.11	3	3.38	.01	.13	<2	3
L93N 54+75E	4	171	55	1768	1.0	110	24	824	3.35	<2	<5	<2	3	53	27.9	<2	<2	277	1.05	.293	15	47	.92	569	.08	4	2.92	.01	.11	<2	3
L93N 55+25E	6	248	46	590	1.1	83	16	850	3.60	4	<5	<2	5	50	5.0	2	<2	264	.88	.307	15	49	.96	1209	.09	<3	3.24	.01	.12	<2	3
L93N 55+75E	4	264	34	1140	4.4	111	24	1005	4.49	<2	<5	<2	6	33	12.7	<2	<2	298	.73	.446	15	58	.97	741	.11	3	3.88	.01	.11	<2	2
L93N 56+25E	4	171	28	686	1.9	82	23	1282	3.10	6	<5	<2	5	54	12.7	2	<2	269	1.09	.311	16	46	.80	999	.08	3	2.73	.01	.14	<2	2
L93N 56+75E	4	244	19	799	.8	100	19	377	4.28	<2	<5	<2	8	25	5.6	<2	<2	293	.53	.239	15	51	.99	596	.14	<3	4.14	.01	.13	<2	2
L93N 57+25E	4	186	53	1502	1.9	120	17	751	3.69	5	5	<2	6	35	10.0	5	<2	300	.86	.318	18	55	.80	495	.08	4	3.29	.01	.13	<2	4
L93N 57+75E	5	131	48	1961	2.3	129	14	400	3.99	4	<5	<2	8	22	10.0	2	2	319	.40	.419	17	39	.76	380	.14	3	4.72	.01	.10	<2	3
L93N 58+25E	3	170	61	1035	1.3	74	20	1088	4.08	16	<5	<2	5	36	13.4	<2	<2	179	.84	.391	18	36	.73	633	.09	3	2.90	.01	.10	<2	3
L93N 58+75E	3	79	52	1386	.8	78	16	1020	3.17	2	<5	<2	5	23	12.8	<2	<2	225	.60	.385	16	40	.77	506	.11	<3	3.25	.01	.10	<2	2
L93N 59+25E	3	59	51	768	.9	44	11	735	2.38	<2	<5	<2	5	23	11.7	4	<2	183	.72	.407	16	29	.42	330	.07	3	2.06	.01	.09	6	1
L93N 59+75E	9	79	59	1001	.9	86	13	1093	3.45	3	<5	<2	3	49	6.1	<2	<2	192	.59	.296	11	23	.42	480	.10	4	3.04	.01	.08	2	2
RE L93N 59+75E	9	81	63	1039	1.1	91	14	1144	3.53	6	<5	<2	4	50	6.4	3	<2	196	.62	.306	12	24	.44	496	.10	3	3.17	.01	.09	<2	1
L93N 60+25E	15	135	73	1532	3.1	164	23	877	4.09	9	<5	<2	2	38	6.8	9	2	292	.29	.294	17	31	.60	268	.08	<3	3.74	.01	.09	<2	8
L93N 60+75E	11	181	68	1057	4.1	96	10	205	3.65	19	<5	<2	9	37	2.3	13	<2	431	.38	.278	18	37	.67	236	.08	<3	3.23	.01	.08	<2	13
L91N 48+75E	3	63	23	875	.8	68	13	692	2.90	3	<5	<2	6	45	19.3	<2	<2	225	.78	.549	20	45	.77	967	.12	3	3.08	.02	.15	<2	2
L91N 49+25E	4	70	22	675	1.1	64	13	389	2.63	2	5	<2	7	59	9.3	4	<2	299	.82	.364	19	47	.90	681	.10	<3	2.13	.01	.19	<2	2
L91N 49+75E	4	90	100	980	.9	81	17	694	3.49	6	<5	<2	9	44	15.4	4	3	264	.81	.386	24	60	1.08	799	.12	<3	3.07	.01	.20	<2	3
L91N 50+25E	4	116	82	1400	.5	123	22	1005	3.70	6	<5	<2	6	56	11.4	4	<2	286	.77	.307	19	56	1.01	920	.10	<3	3.28	.01	.17	<2	2
L91N 50+75E	4	115	31	663	.6	71	15	646	3.72	2	<5	<2	6	37	8.4	<2	<2	330	.71	.308	20	65	1.23	625	.12	<3	3.08	.01	.19	<2	2
L91N 52+75E	3	69	37	700	.5	59	9	221	2.35	4	<5	<2	7	21	6.1	2	<2	271	.50	.238	16	40	.76	399	.08	<3	1.87	.01	.10	<2	3
L91N 53+25E	2	113	29	1226	1.1	67	18	905	2.59	<2	<5	<2	6	70	28.1	<2	2	332	1.12	.494	14	59	1.01	1281	.11	3	3.15	.01	.12	<2	2
L91N 53+75E	4	123	44	1043	1.4	81	14	409	2.89	3	<5	<2	8	35	14.7	2	<2	459	.57	.326	23	66	1.30	863	.11	<3	2.89	.01	.17	2	3
L91N 54+25E	3	58	35	979	<.3	59	12	679	2.76	2	<5	<2	6	35	13.1	2	<2	319	.57	.333	18	48	.88	755	.11	<3	2.86	.01	.12	2	2
L91N 54+75E	5	116	66	727	.4	66	13	391	2.82	7	<5	<2	8	26	4.7	4	<2	416	.60	.224	21	61	1.31	545	.11	<3	2.49	.01	.12	4	2
L91N 55+25E	4	133	31	1055	.9	99	14	255	2.66	2	5	<2	7	21	6.1	4	2	293	.47	.295	13	47	1.03	406	.11	<3	2.85	.01	.12	2	2
L91N 58+75E	2	48	25	567	.3	49	10	857	2.28	<2	<5	<2	5	37	6.8	2	2	84	.81	.243	14	18	.40	421	.08	<3	2.19	.02	.08	<2	1
L91N 59+25E	5	95	29	1991	1.1	168	19	620	3.86	<2	<5	<2	6	32	10.7	<2	<2	251	.53	.282	14	34	.62	525	.13	3	4.15	.01	.10	<2	1
L91N 59+75E	5	80	34	1197	.6	75	13	769	2.86	4	<5	<2	4	32	5.2	<2	<2	255	.45	.294	11	33	.59	543	.09	<3	2.43	.01	.07	<2	1
L89N 53+25E	4	76	29	2344	.8	112	19	386	3.19	2	<5	<2	7	64	18.1	<2	<2	320	.81	.936	18	39	.67	1309	.12	<3	3.46	.02	.10	<2	1
L89N 53+75E	<1	26	16	431	.4	29	6	270	1.25	<2	8	<2	3	22	7.5	<2	<2	70	.28	.202	6	19	.27	456	.04	<3	1.06	.02	.08	<2	1
L89N 54+25E	2	109	73	2270	1.0	89	16	808	3.04	4	<5	<2	6	108	63.9	<2	<2	325	1.26	.712	17	76	.76	1774	.09	3	3.13	.01	.14	<2	1
L89N 54+75E	2	123	33	709	<.3	63	16	447	2.86	4	<5	<2	6	30	7.0	<2	2	222	.67	.387	17	45	.76	640	.10	<3	2.38	.01	.12	3	2
L89N 57+25E	2	73	40	1506	<.3	91	9	1013	2.20	<2	<5	<2	4	30	13.9	3	2	144	.97	.143	21	29	.87	295	.09	4	2.32	.01	.13	20	1
STANDARD C2/AU-S	21	62	36	147	6.5	76	37	1255	4.08	43	17	8	38	53	20.8	17	18	75	.54	.101	42	68	1.06	211	.07	28	2.03	.06	.15	13	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

Sultan Minerals PROJECT JERSEY FILE # 96-2161

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L89N 57+75E	2	69	65	1156	.4	66	13	1807	2.57	3	<5	<2	4	47	16.1	<2	<2	123	1.71	.193	27	25	1.02	344	.09	8	2.51	.02	.15	43	<1
L89N 58+25E	4	322	128	3260	1.9	271	39	1536	3.80	<2	12	<2	6	25	38.0	2	<2	296	.63	.301	24	42	.64	888	.10	3	4.54	.01	.10	3	3
L89N 58+75E	3	59	37	1114	.4	75	11	506	2.63	5	5	<2	6	19	9.5	6	<2	282	.48	.243	14	34	.68	444	.10	3	2.77	.01	.11	<2	13
L89N 59+25E	4	49	40	760	.4	45	9	734	2.16	<2	<5	<2	6	21	9.0	3	<2	234	.75	.298	14	27	.36	559	.07	3	1.72	.01	.07	<2	<1
RE L89N 59+25E	3	52	40	787	.5	48	9	752	2.24	2	<5	<2	5	22	9.4	<2	<2	244	.79	.313	15	28	.38	592	.07	<3	1.78	<.01	.07	<2	2

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

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	Au* ppb
L88N 53+00E	4	115	63	1464	.5	116	22	514	3.60	7	12	<2	5	45	13.0	<2	<2	259	.82	.423	19	66	1.08	731	.12	5	2.96	.02	.20	12	6
L88N 53+25E	4	131	30	1043	.5	83	16	319	3.51	4	6	<2	4	42	10.0	<2	<2	285	.74	.457	16	52	.74	582	.08	<3	2.77	.01	.13	8	3
L88N 53+50E	2	71	33	577	<.3	51	11	435	2.61	4	<5	<2	4	31	7.6	<2	<2	242	.64	.315	11	58	.67	783	.09	3	2.01	.02	.10	8	1
L88N 53+75E	2	51	41	571	.7	31	11	619	2.65	5	5	<2	<2	37	6.5	<2	<2	159	.49	.549	10	41	.43	469	.07	5	2.77	.01	.07	5	<1
RE L88N 54+00E	2	203	30	538	1.3	71	18	248	3.14	3	5	<2	3	32	4.3	<2	<2	75	.68	.158	9	17	.27	324	.04	4	2.56	.01	.06	4	4
L88N 54+00E	2	205	31	537	1.3	71	19	245	3.15	<2	<5	<2	3	32	4.1	<2	<2	74	.68	.158	9	18	.27	321	.04	3	2.58	.01	.06	5	3
L88N 54+25E	2	91	40	644	<.3	56	14	742	2.86	4	<5	<2	2	41	6.4	<2	<2	82	.98	.255	9	24	.37	418	.07	3	2.31	.02	.09	5	1
L88N 54+50E	2	150	53	500	2.0	65	11	214	2.92	4	<5	<2	5	38	4.5	<2	<2	96	.77	.262	18	17	.40	155	.18	6	4.32	.03	.10	4	4
L88N 54+75E	3	95	59	608	<.3	57	14	835	3.22	6	<5	<2	2	49	7.8	<2	<2	103	1.26	.188	13	27	.46	348	.07	5	2.27	.02	.09	5	1
L88N 55+00E	2	42	30	778	.3	58	12	659	2.79	4	<5	<2	4	28	4.8	<2	<2	135	.79	.358	12	32	.42	379	.09	6	2.70	.02	.11	7	3
L88N 55+25E	2	49	33	954	<.3	63	16	1426	2.98	5	<5	<2	3	34	11.5	<2	<2	97	.63	.303	9	33	.44	559	.11	6	2.87	.02	.10	12	4
L88N 55+50E	3	84	23	1337	.3	95	17	720	3.11	<2	5	<2	4	32	14.6	<2	<2	146	.81	.228	16	46	.77	742	.11	7	3.94	.02	.11	26	1
L88N 55+75E	2	204	65	3391	<.3	138	11	1147	2.61	5	<5	<2	4	48	24.0	<2	<2	121	1.50	.149	21	48	.86	947	.07	6	2.90	.02	.17	48	8
L88N 56+00E	<1	25	47	1334	<.3	32	7	1170	1.75	<2	<5	<2	3	52	14.5	<2	<2	51	1.24	.136	18	39	.51	1282	.06	6	2.00	.03	.14	24	<1
L88N 56+25E	2	40	19	1682	<.3	55	10	720	2.41	<2	<5	<2	4	37	12.9	<2	<2	83	.89	.192	18	48	.76	1141	.12	7	3.13	.02	.09	20	1
L88N 56+50E	3	132	24	2979	.4	127	13	756	3.19	4	8	<2	5	37	21.1	2	<2	165	1.01	.301	21	51	.97	693	.11	6	3.32	.02	.13	28	1
L88N 56+75E	2	78	36	1749	<.3	76	15	867	3.10	5	5	<2	5	28	16.0	2	<2	190	.60	.316	14	44	.56	553	.11	4	2.97	.01	.11	16	7
L88N 57+00E	4	86	46	1159	<.3	68	12	630	2.50	<2	<5	<2	2	20	7.1	<2	2	231	.49	.203	13	39	.66	383	.09	<3	2.46	.01	.10	12	2
L88N 57+25E	2	36	41	1061	<.3	51	9	523	2.05	5	<5	<2	3	17	9.7	2	<2	194	.47	.292	10	32	.57	361	.10	4	2.76	.01	.08	10	4
L88N 57+50E	4	54	30	1281	.5	71	11	357	2.24	5	8	<2	4	23	8.3	3	2	336	.71	.427	12	47	.81	565	.10	3	2.99	.01	.09	13	7
L88N 57+75E	3	39	27	1318	<.3	61	13	786	2.27	7	<5	<2	4	21	15.0	<2	<2	282	.58	.538	10	50	.66	749	.10	<3	3.16	.01	.10	12	8
L88N 58+00E	3	69	24	892	.4	51	13	486	3.24	7	8	<2	3	23	5.7	3	3	240	.79	.580	14	40	.55	467	.08	3	3.02	.01	.09	12	10
L88N 58+25E	3	43	44	1259	.7	63	12	699	2.65	4	<5	<2	4	20	9.9	3	<2	237	.49	.384	11	38	.43	386	.11	<3	3.32	.02	.09	12	4
L88N 58+50E	4	45	36	1034	.4	55	12	397	2.77	2	<5	<2	5	25	9.0	2	<2	266	.76	.637	13	45	.55	627	.10	3	3.14	.01	.08	12	<1
L88N 58+75E	3	34	36	804	.3	40	9	1012	2.20	3	5	<2	3	26	7.4	2	<2	196	.89	.347	12	35	.42	541	.08	4	1.96	.01	.08	10	10
L88N 59+00E	4	57	24	753	<.3	44	10	402	2.29	4	7	<2	4	25	5.3	2	<2	268	.93	.505	13	39	.55	413	.09	<3	2.11	.01	.07	11	6
L88N 59+25E	2	37	28	716	.4	37	9	455	2.27	<2	<5	<2	3	28	5.6	2	<2	173	.89	.502	13	38	.42	519	.09	3	2.24	.01	.06	8	6
L88N 59+50E	1	29	27	748	1.1	32	9	1034	2.30	<2	<5	<2	4	25	9.4	<2	<2	122	.56	.529	11	34	.40	582	.11	4	2.77	.02	.09	9	2
L87N 55+25E	3	46	239	1028	.4	55	16	912	3.45	14	<5	<2	6	20	5.5	5	3	135	.60	.207	20	64	1.13	582	.11	4	3.34	.01	.21	24	8
L87N 55+75E	9	137	42	924	1.0	108	29	723	5.34	11	<5	<2	6	30	8.3	2	<2	190	.60	.422	28	57	.77	1143	.05	5	3.24	.01	.12	9	20
L87N 56+25E	3	108	46	1407	.7	103	18	841	3.84	<2	<5	<2	4	30	12.6	<2	<2	277	.56	.285	16	64	1.04	782	.11	4	3.77	.01	.17	13	4
L87N 56+75E	6	103	61	1447	2.1	88	9	225	3.00	<2	9	<2	5	31	4.2	4	2	320	.39	.222	12	44	.60	309	.11	3	3.56	.01	.09	13	1
L87N 57+25E	5	73	58	1031	.4	60	13	919	2.60	2	<5	<2	4	38	13.8	2	<2	298	.81	.343	14	50	.55	775	.09	3	2.46	.01	.10	11	1
L87N 57+75E	2	30	25	789	.6	43	8	450	2.22	<2	<5	<2	3	17	6.7	2	2	181	.44	.367	10	29	.35	373	.10	<3	2.52	.02	.07	9	1
L87N 49+25E	4	160	21	3493	.5	217	23	680	4.04	2	<5	<2	5	34	14.6	2	<2	166	.79	.191	17	49	1.04	550	.12	7	4.92	.02	.13	33	1
STANDARD C2/AU-S	19	59	39	130	6.6	70	36	1209	4.09	42	19	8	36	55	20.0	16	15	71	.55	.096	39	67	1.02	193	.07	30	2.05	.07	.15	14	52

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

Sultan Minerals PROJECT JERSEY FILE # 96-2256

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L87N 49+75E	1	55	36	880	<.3	54	10	711	2.40	<2	<5	<2	4	44	7.8	<2	<2	91	1.25	.107	23	32	.81	388	.09	3	2.84	.02	.09	5	4
L87N 50+25E	4	64	49	1087	<.3	72	13	792	2.68	4	<5	<2	3	22	8.2	4	<2	207	.60	.179	13	46	.65	421	.09	3	2.66	.01	.11	<2	2
L86N 54+00E	2	126	25	693	<.3	82	15	413	2.97	2	<5	<2	5	31	4.4	<2	<2	127	.76	.196	18	43	.47	688	.08	4	2.64	.01	.08	<2	1
L86N 54+25E	1	73	32	786	<.3	90	14	770	2.29	2	<5	<2	4	32	8.4	2	<2	73	1.08	.237	14	36	.38	845	.08	4	2.35	.02	.15	<2	1
L86N 54+50E	3	59	36	1377	<.3	77	13	695	2.83	<2	6	<2	4	37	13.9	<2	<2	142	.69	.537	12	38	.49	550	.11	3	3.52	.03	.12	<2	2
L86N 54+75E	3	73	31	1697	<.3	97	16	1004	3.06	<2	5	<2	4	32	11.7	2	2	175	.71	.325	12	43	.55	557	.10	5	3.43	.02	.12	2	1
L86N 55+00E	5	192	44	2518	.8	186	26	655	4.09	<2	8	<2	4	33	14.1	<2	<2	301	.80	.218	19	49	.76	413	.09	4	4.42	.01	.11	2	2
L86N 55+25E	6	267	77	2815	1.4	177	36	1333	3.91	2	15	<2	3	47	28.4	2	2	295	1.29	.351	28	64	.71	854	.08	<3	3.93	.01	.14	<2	1
L86N 55+50E	5	302	110	3559	2.7	194	26	758	3.42	5	15	<2	5	41	39.2	<2	<2	392	1.24	.234	38	69	.78	707	.09	3	3.87	.01	.15	2	4
L86N 55+75E	5	71	138	2297	1.0	97	13	453	3.35	4	7	<2	4	28	17.9	3	2	269	.61	.217	14	41	.64	437	.11	<3	3.48	.02	.09	2	4
L86N 56+00E	9	113	152	2154	1.5	106	22	963	4.28	8	<5	<2	3	33	16.7	<2	<2	399	.63	.278	18	53	.94	657	.09	<3	3.49	.01	.11	2	6
L86N 56+25E	5	58	62	1595	<.3	82	15	589	2.93	2	<5	<2	4	31	12.3	2	<2	240	.50	.288	15	39	.57	432	.10	<3	3.13	.01	.09	<2	2
L86N 56+50E	6	82	52	1196	.8	79	15	1105	3.01	3	<5	<2	2	32	6.4	2	<2	298	.67	.321	14	44	.59	407	.08	4	2.99	.01	.11	<2	4
L86N 56+75E	7	81	66	1329	1.1	83	14	995	2.96	6	7	<2	3	33	9.1	2	<2	269	.54	.311	12	42	.50	570	.08	3	2.76	.01	.11	<2	1
L86N 57+00E	6	97	32	1365	1.3	83	14	618	3.28	<2	8	<2	5	33	8.1	<2	<2	293	.62	.531	13	43	.50	512	.12	3	4.46	.01	.10	<2	1
L86N 57+25E	2	23	36	599	<.3	29	7	493	1.91	3	6	<2	4	29	9.5	2	<2	137	.72	.450	9	33	.28	571	.08	<3	1.87	.02	.09	<2	1
L86N 57+50E	2	19	31	685	<.3	28	7	733	1.95	7	<5	<2	4	20	8.3	<2	<2	106	.38	.674	9	32	.31	624	.11	<3	2.64	.02	.09	<2	1
L86N 57+75E	3	29	30	724	.3	35	7	308	1.85	2	<5	<2	5	24	6.7	<2	<2	135	.54	.416	11	29	.35	305	.10	<3	2.37	.02	.08	<2	1
L86N 58+00E	4	84	36	887	<.3	51	10	490	2.29	4	7	<2	5	31	7.5	4	3	293	.96	.411	15	46	.58	618	.08	3	1.93	.01	.10	4	2
L86N 49+00E	16	765	93	594	.9	122	36	1115	5.09	12	18	<2	4	27	6.7	2	2	168	.82	.660	18	75	.59	1617	.07	<3	3.12	.01	.16	2	3
L86N 49+25E	4	127	138	912	.3	66	24	2239	3.85	11	<5	<2	6	31	7.4	2	<2	102	.72	.319	13	78	.76	2065	.08	<3	3.65	.01	.17	5	2
L86N 49+50E	4	106	153	876	<.3	76	20	1238	3.54	8	<5	<2	6	27	9.5	4	2	122	.72	.286	17	61	.83	1140	.11	4	3.90	.02	.18	6	1
L86N 49+75E	3	104	94	981	<.3	74	19	1140	3.60	4	<5	<2	6	26	10.2	<2	<2	163	.61	.411	18	69	.79	1271	.10	<3	3.44	.02	.16	10	2
L86N 50+00E	5	98	35	1800	1.3	126	21	690	4.46	2	10	<2	10	45	25.3	<2	<2	245	.53	.683	15	70	.78	1472	.10	<3	4.06	.02	.15	<2	3
RE L86N 50+00E	3	97	38	1781	1.3	123	21	697	4.34	<2	10	<2	7	45	25.1	<2	2	239	.52	.682	14	71	.77	1484	.10	3	4.03	.02	.15	<2	3
L86N 50+25E	14	313	32	1278	2.6	151	20	319	5.17	<2	16	<2	7	33	5.2	<2	<2	292	.25	.281	16	59	1.74	395	.06	<3	5.32	.01	.10	<2	9
L86N 50+50E	6	115	85	930	.8	92	19	602	3.04	8	6	<2	3	35	9.1	<2	<2	267	.57	.165	13	51	.93	563	.09	3	3.45	.01	.13	2	3
L86N 50+75E	4	91	69	1132	<.3	105	21	591	3.51	6	6	<2	7	23	6.5	3	2	233	.43	.188	18	64	1.05	796	.11	3	3.87	.01	.17	3	2
L86N 51+00E	7	127	57	820	.9	109	25	726	4.40	8	<5	<2	6	38	7.9	2	2	163	.56	.345	13	92	.70	2784	.13	3	4.03	.02	.14	<2	4
L86N 51+25E	2	82	58	576	<.3	58	14	702	2.59	3	<5	<2	5	30	5.3	<2	<2	213	.48	.234	16	61	.81	898	.10	<3	2.66	.01	.14	<2	1
L86N 51+50E	4	210	68	661	<.3	86	18	954	3.48	4	7	<2	5	22	4.2	3	2	233	.52	.275	15	70	.90	872	.10	<3	3.41	.01	.13	2	1
L86N 51+75E	3	228	66	679	<.3	83	28	1719	3.77	4	<5	<2	4	27	4.5	<2	<2	193	.63	.413	12	83	.71	1809	.09	<3	3.01	.01	.11	<2	1
L86N 52+00E	4	279	103	700	.4	90	20	675	3.80	9	6	<2	7	27	3.2	2	2	194	.69	.418	18	71	.78	1387	.10	<3	3.42	.01	.15	<2	9
L85N 45+25E	5	57	390	1166	.6	69	15	1231	4.12	44	<5	<2	8	20	8.5	5	2	179	.53	.210	24	59	1.15	498	.12	4	3.97	.02	.25	11	22
L85N 45+75E	3	41	303	1115	<.3	69	14	1394	3.72	51	<5	<2	7	25	11.2	5	2	169	.59	.230	20	56	.94	636	.11	<3	3.61	.02	.21	9	4
STANDARD C2/AU-S	21	58	43	133	6.1	72	37	1166	3.98	42	17	7	36	53	21.0	19	17	71	.55	.092	40	64	1.06	190	.07	26	2.08	.07	.15	14	57

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

Sultan Minerals PROJECT JERSEY FILE # 96-2256

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L85N 46+25E	5	61	282	1177	.5	72	14	1787	3.34	22	<5	<2	6	28	11.9	6	<2	222	.82	.251	23	68	1.23	726	.10	3	3.27	.01	.23	17	1
L85N 46+75E	9	126	214	1219	.4	99	31	2422	4.48	30	8	<2	4	39	11.4	6	<2	286	.91	.361	14	65	.83	886	.08	<3	2.92	.01	.16	21	5
L85N 47+25E	3	55	193	917	<.3	64	14	1069	3.11	8	<5	<2	8	20	7.0	<2	<2	221	.74	.199	24	69	1.45	635	.11	<3	3.20	.02	.25	9	2
L85N 47+75E	3	64	189	801	.7	58	13	507	3.39	9	<5	<2	9	26	4.5	<2	2	193	.77	.188	28	65	1.51	608	.18	3	4.48	.03	.22	9	4
L85N 48+25E	3	34	272	1367	<.3	49	14	2069	3.19	17	<5	<2	7	35	22.2	3	<2	123	1.20	.460	22	67	1.27	853	.11	5	3.46	.03	.25	25	<1
L85N 48+75E	3	69	90	711	.5	65	12	430	2.72	8	6	<2	7	21	4.5	3	<2	294	.74	.327	23	59	.98	386	.09	3	2.54	.01	.19	9	5
L85N 49+25E	4	47	162	825	<.3	55	13	864	2.92	8	<5	<2	7	22	6.2	<2	3	195	.60	.252	19	59	.97	457	.10	3	2.78	.02	.16	11	1
L85N 49+75E	2	52	192	971	.4	54	15	1021	3.26	9	<5	<2	9	26	7.1	5	<2	181	1.47	.210	24	64	1.82	456	.10	3	2.98	.02	.23	14	3
L85N 50+25E	3	154	81	851	.7	93	17	478	3.32	10	<5	<2	6	25	6.3	<2	<2	219	.61	.314	18	61	.92	505	.11	<3	3.67	.02	.17	11	1
L85N 50+75E	6	179	67	1777	2.0	170	38	907	4.69	7	10	<2	4	48	21.3	<2	<2	271	.80	.403	14	65	.97	850	.09	3	4.29	.02	.13	15	1
L85N 51+25E	8	147	35	1596	1.0	148	25	1020	4.56	8	9	<2	6	45	14.2	2	2	296	.69	.276	14	79	1.06	1396	.10	3	3.88	.02	.16	15	2
L85N 51+75E	10	294	25	1020	2.3	163	30	480	5.59	8	10	<2	5	54	4.1	2	<2	145	.73	.345	12	89	.77	2080	.09	<3	4.57	.01	.13	10	2
L85N 52+25E	4	247	53	737	.8	111	26	793	5.61	4	13	<2	6	40	3.6	<2	<2	141	.95	.596	14	81	.64	1854	.08	3	3.29	.02	.16	7	1
L85N 52+75E	2	45	35	590	.3	54	9	385	2.42	4	7	<2	4	40	6.1	<2	<2	54	.66	.635	7	49	.30	1199	.14	4	3.71	.04	.11	6	1
L85N 53+25E	2	119	66	763	<.3	73	20	1449	3.52	3	<5	<2	5	26	8.1	<2	<2	144	.55	.337	13	61	.61	810	.11	3	2.99	.02	.15	11	1
L85N 53+75E	1	182	23	702	.4	123	26	1073	3.16	2	<5	<2	5	39	6.9	<2	<2	78	1.57	.338	18	46	.42	997	.08	3	3.03	.02	.13	11	1
L85N 54+25E	1	131	20	634	<.3	77	15	327	2.50	<2	5	<2	5	35	4.0	<2	<2	81	1.26	.252	16	40	.53	824	.08	3	2.73	.02	.11	9	<1
L85N 54+75E	2	26	22	508	<.3	37	7	581	1.97	3	<5	<2	4	36	8.2	<2	<2	41	.80	.491	6	33	.23	743	.12	5	2.88	.03	.09	6	<1
L85N 55+25E	2	76	36	1125	<.3	81	14	546	3.26	8	<5	<2	5	28	10.0	<2	2	114	.44	.372	10	33	.35	419	.19	4	4.72	.03	.09	9	2
RE L85N 55+25E	2	75	39	1138	.3	83	15	549	3.25	7	<5	<2	5	27	10.2	<2	<2	113	.44	.373	10	34	.35	428	.18	4	4.77	.03	.09	8	<1
L85N 55+75E	2	70	26	1600	<.3	89	10	392	2.75	2	5	<2	5	31	13.0	<2	<2	112	.71	.384	17	38	.66	361	.11	4	3.35	.02	.11	15	2
L85N 56+25E	4	109	73	1797	1.1	91	21	1678	3.92	20	5	<2	3	62	25.2	4	2	249	.72	.470	15	60	.77	1185	.09	<3	3.26	.02	.13	17	2
L85N 56+75E	7	106	34	1575	1.3	105	20	778	3.76	<2	11	<2	4	40	7.6	2	2	308	.43	.273	17	46	.69	353	.12	<3	3.88	.01	.11	14	1
L85N 57+25E	5	75	32	1146	1.0	67	14	739	2.83	4	5	<2	5	26	9.8	<2	<2	253	.48	.311	12	45	.57	460	.10	3	2.93	.01	.10	10	1
L85N 57+75E	4	51	35	816	.5	55	9	252	2.19	2	9	<2	6	19	7.1	<2	2	221	.64	.289	16	28	.39	189	.10	4	2.60	.02	.10	8	1
L83N 46+25E	6	182	50	1357	1.2	137	32	1123	5.57	4	8	<2	5	43	7.7	3	3	267	.87	.388	12	84	1.37	758	.17	<3	4.07	.02	.14	14	5
L83N 46+75E	15	240	35	631	.7	93	34	1160	6.09	10	13	<2	5	37	5.1	2	2	161	.82	.481	11	52	.59	716	.10	3	4.40	.02	.09	13	2
L83N 47+25E	8	168	78	850	.9	71	21	1612	5.62	11	9	<2	5	121	8.6	2	<2	168	1.97	.492	12	75	.48	1667	.07	4	3.24	.02	.14	9	5
L83N 47+75E	6	347	44	692	.9	101	23	1227	6.73	16	11	<2	5	38	5.2	<2	<2	121	.88	.503	12	58	.39	1261	.10	<3	3.82	.01	.12	7	4
L83N 48+25E	6	198	92	1149	.6	102	25	2117	4.59	6	<5	<2	5	32	8.1	<2	<2	154	.73	.318	15	58	.54	1117	.09	<3	3.30	.01	.14	16	3
L83N 48+75E	2	30	173	952	<.3	41	12	1740	2.76	11	<5	<2	5	29	15.9	2	3	82	.77	.198	13	53	.60	736	.10	13	2.83	.02	.19	18	6
L83N 49+25E	5	115	119	796	.5	72	17	867	3.94	30	<5	<2	11	19	5.8	<2	<2	185	.44	.233	25	57	.89	521	.12	<3	4.35	.02	.19	11	8
L83N 49+75E	8	322	26	1391	.6	223	33	1384	7.37	12	13	<2	7	44	10.2	<2	<2	149	.77	.336	14	54	.48	1103	.10	4	3.61	.02	.11	43	2
STANDARD C2/AU-S	20	60	45	143	6.4	74	38	1187	4.07	44	17	7	37	54	21.2	19	16	74	.56	.102	41	63	1.07	190	.07	26	2.10	.07	.15	15	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	Au* ppb
L92N 48+50E	1	42	53	1258	.5	61	12	1276	2.65	4	5	<2	3	37	16.7	<2	3	213	.95	.350	12	46	.67	749	.10	5	2.58	.02	.16	<2	5
L92N 48+75E	2	48	54	1019	.6	54	13	1076	2.59	4	<5	<2	4	64	29.8	<2	4	183	1.19	.446	15	62	.79	1353	.10	4	2.65	.02	.16	5	2
L92N 49+00E	3	39	52	856	.6	53	11	927	2.27	4	<5	<2	4	70	25.3	<2	3	203	1.42	.407	17	50	.61	840	.10	5	2.17	.02	.14	<2	3
L92N 49+25E	2	41	49	794	.4	57	13	934	2.76	4	<5	<2	5	41	14.1	<2	4	201	.76	.451	18	59	.72	1066	.10	4	2.84	.02	.14	<2	3
L92N 49+50E	4	80	45	629	.4	61	12	448	2.66	6	5	<2	5	39	8.7	2	2	322	.84	.289	20	55	.90	501	.09	<3	1.88	.01	.15	2	5
L92N 49+75E	1	35	74	871	<.3	50	10	579	2.12	6	<5	<2	4	36	18.9	<2	2	234	.75	.233	17	44	.64	569	.07	3	1.70	.01	.13	2	2
L92N 50+00E	4	99	19	616	1.3	63	10	264	3.04	<2	8	<2	6	46	6.2	3	<2	347	.73	.279	20	69	.88	593	.10	5	1.97	.02	.21	<2	4
L92N 50+25E	7	154	130	1517	1.9	147	22	723	4.73	2	12	<2	6	71	12.4	<2	<2	332	.62	.475	18	77	.70	1486	.09	<3	3.62	.01	.15	<2	1
RE L92N 50+25E	9	150	140	1531	1.8	149	23	726	4.71	2	16	<2	6	72	12.5	2	4	331	.62	.471	17	73	.70	1449	.09	<3	3.61	.01	.14	<2	3
L92N 50+50E	8	146	48	1110	1.4	112	20	867	4.29	2	11	<2	4	55	8.6	2	<2	341	.45	.278	18	68	.80	1103	.08	3	3.30	.01	.14	<2	2
L92N 50+75E	4	94	55	1156	1.1	77	23	886	3.82	<2	6	<2	4	37	13.0	<2	<2	327	.50	.245	16	74	1.13	1085	.08	<3	3.13	.01	.15	<2	2
L92N 51+00E	3	72	41	823	.6	53	11	708	2.57	2	<5	<2	4	55	7.0	2	2	320	.70	.190	17	69	1.03	923	.08	4	2.26	.01	.15	<2	2
L92N 51+25E	3	75	32	582	.6	58	10	712	2.29	2	11	<2	4	32	4.3	2	2	356	.45	.256	16	72	.90	916	.08	3	2.42	.01	.12	<2	2
L92N 51+50E	3	70	26	1330	.6	75	13	633	3.19	2	7	<2	5	38	21.6	<2	<2	309	.48	.420	15	69	.79	920	.11	<3	3.23	.02	.12	<2	2
L92N 51+75E	2	90	23	668	.8	65	11	405	3.28	<2	5	<2	6	42	8.1	<2	<2	292	.65	.418	18	67	.94	525	.13	<3	3.32	.02	.18	<2	1
L92N 52+00E	2	78	39	931	.8	70	12	553	3.06	<2	5	<2	6	33	16.6	<2	2	257	.62	.363	18	61	.86	705	.11	3	3.16	.02	.17	<2	1
L92N 52+25E	3	61	29	685	.4	55	10	577	3.05	<2	<5	<2	5	35	5.6	<2	<2	254	.60	.390	16	63	.85	655	.12	<3	2.88	.02	.16	<2	1
L92N 52+50E	2	47	21	773	.5	45	9	830	2.56	<2	5	<2	5	36	9.0	<2	2	247	.64	.368	13	70	.87	968	.11	4	2.29	.02	.14	<2	1
L92N 52+75E	2	80	21	645	.6	63	9	258	3.18	<2	<5	<2	6	32	5.7	<2	<2	254	.57	.447	15	66	.89	843	.12	<3	3.08	.02	.15	<2	1
L92N 53+00E	4	144	21	558	.6	59	12	337	3.45	<2	7	<2	6	32	3.7	2	<2	352	.66	.336	16	72	1.10	683	.10	<3	2.54	.01	.14	<2	1
L92N 53+25E	2	138	17	495	.8	60	13	477	3.41	<2	8	<2	5	32	5.4	<2	2	207	.75	.408	16	63	.70	890	.11	<3	2.87	.02	.16	<2	2
L92N 53+50E	3	121	17	792	.8	67	15	573	3.42	<2	8	<2	6	28	16.1	<2	<2	216	.58	.540	16	86	.84	1470	.11	3	3.21	.02	.14	<2	1
L92N 53+75E	3	160	11	341	.4	45	11	210	2.88	<2	8	<2	5	21	2.7	3	2	191	.75	.320	17	50	.54	656	.09	4	1.54	.01	.13	<2	2
L92N 54+00E	<1	64	10	644	<.3	36	10	559	2.26	<2	<5	<2	3	22	9.0	<2	<2	142	.63	.348	13	55	.42	1290	.08	3	1.41	.01	.08	<2	1
L92N 54+25E	2	73	21	1085	.7	58	15	622	3.04	<2	9	<2	5	40	13.5	<2	<2	202	.62	.758	12	65	.61	1429	.12	3	3.82	.02	.12	<2	<1
L92N 54+50E	4	161	13	325	.8	45	9	351	3.29	<2	9	<2	6	24	3.4	2	<2	248	.69	.257	17	55	.72	698	.08	3	1.87	.01	.16	2	1
L92N 54+75E	4	98	38	622	.6	60	11	505	2.74	5	7	<2	6	29	5.1	3	<2	321	.57	.240	20	62	.92	634	.10	<3	2.30	.01	.17	<2	5
L92N 55+00E	3	157	35	1786	1.2	107	22	890	3.77	2	9	<2	5	44	23.8	<2	2	280	.74	.441	14	89	.86	1849	.10	<3	3.36	.01	.12	<2	4
L92N 55+25E	2	143	31	644	.5	72	14	771	3.06	<2	11	<2	5	40	5.4	<2	<2	319	.72	.344	16	76	.90	1352	.10	3	3.06	.01	.14	<2	4
L92N 55+50E	1	70	33	661	.5	42	16	2483	2.41	3	6	<2	3	57	12.1	<2	2	118	1.09	.428	9	90	.39	3088	.09	5	2.39	.02	.13	<2	1
L92N 55+75E	2	100	23	829	.4	33	17	1752	2.94	4	<5	<2	5	35	15.4	<2	2	73	.74	.870	9	61	.26	2028	.11	4	3.16	.03	.14	<2	<1
L92N 56+00E	2	165	23	1175	.5	113	21	633	4.42	<2	<5	<2	5	41	8.8	<2	2	148	1.03	.380	13	50	.56	950	.11	4	3.60	.02	.14	<2	1
L92N 56+25E	4	97	43	735	.4	65	12	641	2.77	5	6	<2	6	27	5.1	3	<2	298	.55	.200	18	55	.98	446	.09	3	2.20	.01	.11	<2	4
L92N 56+50E	4	126	48	914	.9	77	13	409	3.25	6	9	<2	6	26	5.2	<2	<2	304	.65	.320	16	52	.93	484	.09	<3	2.90	.01	.11	<2	3
L92N 56+75E	1	74	28	462	.5	36	10	549	2.18	6	<5	<2	2	25	5.0	<2	<2	106	.63	.309	9	26	.35	381	.07	4	1.91	.01	.07	<2	1
STANDARD C2/AU-S	19	65	37	132	6.6	69	34	1148	4.15	36	20	8	38	55	18.0	17	18	72	.55	.092	41	66	.95	207	.07	27	1.97	.07	.16	12	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	Au* ppb
L92N 57+00E	1	69	30	457	<.3	34	10	787	1.97	3	<5	<2	<2	26	10.9	<2	<2	69	.52	.245	7	36	.19	1038	.06	<3	1.83	.01	.06	<2	11
L92N 57+25E	1	132	32	635	.6	64	18	735	3.29	6	<5	<2	3	36	6.9	2	<2	114	.87	.310	17	33	.48	390	.08	4	3.30	.02	.10	<2	11
L92N 57+50E	1	76	47	813	<.3	63	12	743	2.53	7	<5	<2	4	24	6.1	2	2	174	.52	.219	11	41	.79	434	.10	4	2.62	.02	.12	<2	5
L92N 57+75E	1	45	52	799	<.3	54	11	435	2.46	5	<5	<2	5	19	4.8	<2	2	148	.46	.225	12	27	.58	203	.10	3	2.77	.02	.11	<2	5
L92N 58+00E	1	35	43	1081	<.3	47	11	1588	2.24	3	<5	<2	4	35	22.4	2	<2	130	.72	.561	11	44	.52	914	.08	4	2.50	.02	.15	<2	4
L92N 58+25E	1	35	52	1363	<.3	61	13	1244	2.88	4	<5	<2	5	27	18.1	<2	<2	131	.85	.639	11	37	.56	564	.10	<3	3.33	.02	.13	<2	3
L92N 58+50E	2	27	38	1020	<.3	55	13	1042	2.56	4	<5	<2	4	21	8.1	<2	<2	131	.53	.352	13	41	.50	404	.10	<3	3.00	.02	.12	<2	2
L92N 58+75E	2	51	45	1186	<.3	82	14	582	2.99	<2	5	<2	6	24	8.5	2	<2	152	.64	.275	14	32	.63	228	.11	3	3.68	.02	.14	<2	2
L92N 59+00E	2	59	41	2709	1.3	180	14	411	3.62	8	8	<2	4	44	17.2	2	<2	257	.78	.422	12	37	.54	615	.11	3	3.93	.02	.12	<2	2
L92N 59+25E	5	75	63	2871	.9	168	24	1186	3.37	7	7	<2	3	77	29.2	2	<2	278	.99	.409	12	59	.55	1545	.06	4	2.94	.01	.12	<2	3
L92N 59+50E	10	143	67	2687	1.4	236	33	974	4.80	9	14	<2	3	44	21.1	2	<2	339	.67	.417	13	47	.58	909	.06	<3	3.66	.01	.11	<2	2
L92N 59+75E	6	369	87	6353	4.2	563	45	946	4.83	15	21	<2	2	51	101.9	3	2	402	1.09	.325	22	55	.62	1292	.05	<3	3.94	.01	.11	2	3
L92N 60+00E	5	231	65	5426	5.1	481	37	1157	5.11	17	18	<2	4	32	39.9	3	2	460	.65	.372	20	60	.72	917	.06	3	4.68	.01	.14	2	3
L92N 60+25E	5	245	90	6064	6.2	449	28	706	3.80	18	23	<2	<2	46	79.5	3	3	416	1.33	.228	16	51	.62	834	.03	<3	3.57	.01	.10	4	4
L92N 60+50E	4	88	83	2082	3.4	112	16	537	3.14	19	<5	<2	4	24	17.3	3	2	357	.48	.346	16	45	.55	734	.06	<3	2.57	.01	.11	2	2
L92N 60+75E	4	71	33	1823	.4	98	15	560	3.12	8	<5	<2	4	24	9.5	<2	<2	386	.52	.307	13	41	.78	551	.09	<3	2.99	.01	.10	<2	2
L92N 61+00E	5	84	26	1753	<.3	91	13	530	3.03	7	7	<2	5	24	8.5	<2	2	396	.56	.294	12	45	.92	580	.08	<3	2.85	.01	.10	2	1
L90N 48+50E	3	53	34	754	.6	54	11	369	2.39	5	6	<2	5	31	9.8	<2	<2	261	.58	.454	17	51	.61	578	.10	3	2.71	.02	.14	<2	2
L90N 48+75E	3	44	26	762	<.3	57	14	897	2.46	3	8	<2	4	71	24.9	<2	<2	211	.93	.538	18	69	.65	1206	.10	3	2.66	.02	.16	<2	2
L90N 49+00E	4	65	36	684	.9	58	16	711	2.46	3	7	<2	4	72	17.5	2	<2	259	1.16	.413	19	70	.86	1052	.09	<3	2.19	.02	.19	<2	1
L90N 49+25E	3	70	27	686	.7	62	14	506	2.17	2	11	<2	3	69	12.6	<2	<2	318	1.22	.382	16	63	.79	789	.07	3	1.81	.01	.17	<2	2
RE L90N 49+25E	4	75	31	726	.7	66	15	532	2.27	3	11	<2	3	72	13.5	3	<2	334	1.28	.402	17	65	.83	825	.07	4	1.93	.01	.17	<2	2
L90N 49+50E	4	52	30	547	<.3	45	10	288	1.77	5	7	<2	3	32	5.1	2	<2	301	.73	.263	14	44	.63	428	.06	<3	1.38	.01	.09	<2	1
L90N 49+75E	3	47	21	528	<.3	42	10	324	1.91	3	9	<2	4	38	7.9	<2	<2	276	.67	.271	14	51	.74	584	.07	<3	1.49	.01	.10	<2	2
L90N 50+00E	7	141	56	1673	.6	145	26	1332	4.08	4	14	<2	3	80	21.5	<2	<2	471	.84	.396	15	57	.71	1044	.07	<3	4.01	.01	.13	<2	1
L90N 50+25E	11	185	50	1712	3.7	158	25	1240	4.04	4	20	<2	4	91	20.4	<2	2	456	1.30	.470	13	55	.68	849	.07	<3	5.14	.01	.16	<2	2
L90N 50+50E	4	85	52	1155	.6	92	15	620	2.84	3	9	<2	5	33	9.3	<2	<2	388	.51	.229	16	62	.97	671	.08	<3	2.84	.01	.13	<2	1
L90N 50+75E	2	76	95	946	<.3	77	16	1044	3.16	6	6	<2	5	32	12.7	<2	<2	292	.58	.269	18	65	.90	819	.09	<3	2.98	.01	.18	<2	3
L90N 51+00E	3	99	37	730	<.3	59	12	419	2.80	2	5	<2	5	23	10.0	<2	<2	315	.67	.314	15	70	.87	834	.08	<3	2.08	.01	.12	<2	1
L90N 52+00E	2	63	50	836	<.3	60	13	583	2.59	4	<5	<2	7	26	9.5	<2	2	282	.53	.387	17	70	.83	1194	.09	<3	2.64	.01	.14	<2	1
L90N 52+25E	2	76	40	1184	<.3	88	17	804	2.96	3	10	<2	6	33	13.3	<2	2	362	.56	.444	16	62	.77	847	.10	<3	3.31	.01	.11	<2	1
L90N 52+50E	3	112	42	1299	1.3	102	13	220	3.01	2	11	<2	6	32	7.5	<2	<2	404	.54	.293	17	50	.88	448	.11	<3	3.49	.01	.11	<2	1
L90N 52+75E	4	99	48	1866	.9	127	20	447	3.21	2	11	<2	6	55	17.9	<2	4	393	.92	.542	16	59	.78	620	.09	<3	3.62	.01	.13	<2	<1
L90N 53+00E	4	152	33	1707	2.4	114	14	258	3.27	<2	21	<2	6	34	12.5	<2	2	656	.60	.493	21	56	.89	393	.11	<3	4.65	.02	.12	<2	1
L90N 53+25E	3	109	30	2027	2.1	121	18	310	3.06	2	20	<2	6	57	15.8	<2	2	691	.79	.534	17	74	1.09	750	.10	<3	3.67	.02	.15	<2	1
STANDARD C2/AU-S	19	57	40	134	6.0	71	36	1130	3.83	42	19	8	36	51	20.4	17	16	70	.53	.091	39	59	1.02	190	.07	25	2.03	.06	.15	12	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	Au* ppb
L90N 53+50E	3	70	30	1536	2.3	89	6	150	2.06	<2	14	<2	<2	65	30.9	<2	3	483	1.01	.181	14	91	.72	403	.05	<3	2.37	.01	.07	<2	1
L90N 53+75E	4	181	33	1229	.9	90	24	770	3.19	4	12	<2	4	61	18.8	2	<2	256	.88	.534	13	66	.55	1188	.07	3	2.87	.01	.13	<2	3
L90N 54+00E	5	120	32	1359	.3	101	13	246	2.40	<2	12	<2	4	41	15.6	2	<2	548	.69	.209	15	83	1.02	568	.07	3	2.91	.01	.07	<2	2
L90N 54+25E	5	446	37	1093	1.0	138	47	1608	5.93	6	11	<2	6	76	22.7	<2	<2	103	1.15	.492	9	61	.33	1359	.06	<3	3.04	.02	.13	<2	3
L90N 54+50E	4	52	279	750	<.3	67	18	835	3.59	8	<5	<2	8	20	4.4	3	<2	160	.58	.194	22	68	1.23	501	.10	<3	3.41	.02	.23	5	3
L90N 54+75E	4	104	98	639	<.3	69	17	799	3.10	7	<5	<2	6	20	5.7	<2	<2	224	.48	.205	16	55	.78	517	.08	<3	2.58	.01	.13	3	4
L90N 55+00E	5	106	36	924	.5	70	12	317	3.05	2	6	<2	6	23	5.6	<2	<2	292	.51	.426	13	67	.95	700	.10	<3	3.05	.01	.09	<2	4
L90N 55+25E	1	34	16	596	<.3	37	8	1173	1.94	3	5	<2	4	34	6.2	<2	<2	55	.93	.495	15	33	.33	627	.09	5	2.61	.03	.10	2	2
L90N 55+50E	<1	23	19	325	<.3	31	8	1068	1.90	<2	7	<2	5	35	4.6	<2	<2	63	.99	.092	20	23	.37	314	.08	5	2.35	.03	.12	10	4
L90N 57+50E	1	48	33	750	<.3	54	12	923	2.43	6	<5	<2	4	32	10.9	<2	<2	134	.67	.414	11	46	.56	770	.09	<3	2.65	.02	.13	<2	2
L90N 57+75E	3	47	28	1192	<.3	69	12	788	2.50	6	<5	<2	4	35	9.8	<2	<2	140	.95	.370	12	43	.66	661	.08	4	2.42	.02	.11	<2	2
L90N 58+00E	3	52	26	1359	<.3	79	12	602	2.61	3	<5	<2	4	26	10.4	<2	<2	162	.70	.231	13	40	.69	480	.09	4	3.02	.02	.10	2	1
L90N 58+25E	3	45	28	1791	<.3	87	13	468	2.90	5	<5	<2	4	26	17.6	<2	<2	147	.61	.358	13	40	.72	470	.09	3	3.29	.02	.11	<2	1
L90N 58+50E	5	48	45	2008	.5	100	14	523	3.11	5	<5	<2	5	24	22.9	<2	<2	182	.44	.244	11	33	.50	291	.12	<3	4.10	.02	.10	<2	1
L90N 58+75E	3	25	32	1452	<.3	43	11	1015	2.51	3	<5	<2	3	38	22.3	<2	<2	92	.64	.456	8	37	.30	729	.10	3	2.81	.03	.12	<2	2
L90N 59+00E	6	56	53	2795	.3	145	23	1056	3.51	4	7	<2	3	93	39.0	<2	<2	191	1.11	.432	9	59	.47	1241	.09	4	3.28	.02	.14	<2	3
L90N 59+25E	10	142	80	2340	1.4	181	22	696	3.54	7	12	<2	<2	40	13.1	<2	<2	275	.60	.311	14	43	.63	403	.06	<3	3.59	.01	.12	<2	2
L90N 59+50E	7	133	69	2426	.9	157	19	705	3.24	8	8	<2	3	28	15.4	<2	<2	344	.60	.236	17	52	.75	554	.08	<3	3.09	.01	.12	2	3
L90N 59+75E	6	41	31	1782	.6	69	15	1575	4.57	5	8	<2	4	35	27.8	<2	<2	234	.72	.575	11	58	.52	1215	.09	<3	2.79	.02	.12	3	4
L90N 60+00E	26	134	25	2244	1.3	128	21	1374	8.30	4	10	<2	4	38	15.9	<2	<2	444	.54	.109	17	53	.64	598	.09	<3	3.43	.02	.07	<2	4
L90N 60+25E	4	39	28	1089	<.3	56	12	986	2.49	3	<5	<2	4	19	14.4	<2	2	221	.41	.331	12	46	.50	704	.08	<3	2.33	.01	.08	<2	2
L90N 60+50E	4	45	30	916	.4	50	10	464	2.37	2	<5	<2	4	22	9.2	<2	<2	276	.66	.336	11	38	.45	404	.07	3	1.91	.01	.08	<2	2
L90N 60+75E	2	25	25	798	.6	34	8	366	2.12	<2	<5	<2	3	19	7.1	<2	<2	162	.46	.352	10	32	.36	363	.09	<3	2.47	.02	.06	<2	1
L90N 61+00E	3	40	33	645	<.3	35	8	633	1.90	4	6	<2	3	19	5.6	<2	<2	238	.69	.314	12	35	.41	334	.07	3	1.59	.01	.08	<2	1
RE L90N 61+00E	3	40	32	658	<.3	36	8	650	1.94	4	6	<2	3	19	5.7	<2	<2	242	.71	.322	12	35	.42	336	.07	4	1.63	.01	.08	<2	1
L88N 49+00E	3	37	54	639	.3	44	8	408	1.92	5	6	<2	4	25	7.6	3	<2	269	.59	.248	15	48	.62	568	.06	3	1.67	.01	.11	<2	3
L88N 49+25E	3	46	70	735	<.3	49	13	846	2.31	6	<5	<2	4	31	8.2	<2	<2	263	.67	.271	15	59	.73	747	.07	4	2.03	.01	.16	<2	2
L88N 49+50E	3	58	25	929	<.3	55	12	329	2.17	3	<5	<2	5	26	5.9	<2	<2	379	.57	.128	15	80	1.58	372	.11	3	2.82	.01	.09	<2	3
L88N 49+75E	6	99	36	2636	.8	146	17	422	2.94	4	12	<2	4	43	20.0	<2	<2	426	.68	.111	16	74	1.11	418	.07	<3	2.98	.02	.09	<2	1
L88N 50+00E	3	30	104	696	<.3	50	14	863	2.73	6	<5	<2	6	22	6.3	3	<2	171	.56	.152	18	64	.91	500	.09	4	2.36	.02	.16	4	8
L88N 50+25E	3	46	115	1157	.7	79	14	690	3.15	10	<5	<2	6	33	20.9	2	2	188	.67	.449	20	70	.86	1029	.10	<3	3.24	.02	.19	3	8
L88N 50+50E	4	128	88	827	.9	79	20	390	3.68	9	8	<2	7	24	5.4	3	<2	382	.67	.247	24	66	1.39	549	.09	<3	3.26	.01	.20	<2	4
L88N 50+75E	4	67	140	774	.6	69	17	667	3.50	12	<5	<2	8	20	5.4	2	<2	208	.50	.291	21	65	1.00	395	.10	<3	3.45	.01	.25	5	3
L88N 51+00E	3	63	88	798	.3	66	13	442	3.10	5	<5	<2	7	31	9.7	<2	<2	219	.65	.349	21	61	.90	597	.10	<3	3.31	.02	.20	<2	2
STANDARD C2/AU-S	21	62	39	145	6.4	76	39	1182	4.09	43	19	8	39	54	21.6	17	17	75	.55	.095	42	65	1.05	187	.07	25	2.14	.07	.16	12	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	Au* ppb
L94N 49+00E	3	48	57	677	<.3	57	11	911	2.56	8	<5	<2	5	15	4.4	<2	<2	214	.34	.256	15	36	.66	333	.10	3	2.46	.01	.11	4	2
L94N 49+25E	3	57	80	771	.3	66	12	659	2.72	7	<5	<2	5	18	6.5	4	<2	244	.34	.212	16	37	.71	349	.11	<3	2.84	.01	.10	<2	3
L94N 49+50E	3	62	117	1053	.4	67	13	991	2.98	10	<5	<2	5	29	6.7	7	<2	253	.44	.318	15	40	.81	599	.12	3	3.05	.01	.10	<2	2
L94N 49+75E	3	79	77	1002	.6	74	14	676	3.04	11	<5	<2	6	21	5.9	5	<2	245	.35	.267	19	37	.74	437	.12	3	3.37	.01	.10	<2	2
L94N 50+00E	2	86	52	820	.5	57	12	1077	2.62	9	<5	<2	4	26	7.4	3	<2	197	.44	.288	14	35	.70	544	.11	<3	2.90	.02	.09	<2	10
L94N 50+25E	3	88	60	930	.6	63	12	711	2.92	11	<5	<2	6	18	5.3	3	<2	223	.31	.189	17	36	.77	433	.12	3	3.22	.01	.10	<2	3
L94N 50+50E	2	76	45	884	1.2	48	11	1300	2.60	<2	<5	<2	5	19	9.6	2	<2	180	.34	.358	16	30	.47	526	.12	<3	3.47	.02	.10	<2	2
L94N 50+75E	2	51	59	732	.3	38	10	1634	2.19	5	<5	<2	3	28	12.5	3	2	126	.51	.296	12	26	.50	804	.10	4	2.24	.02	.09	<2	2
L94N 51+00E	6	101	56	1027	.7	95	19	1367	3.12	9	<5	<2	2	52	9.1	2	<2	230	.54	.196	15	36	.79	744	.09	3	2.95	.01	.10	<2	4
L94N 51+25E	19	231	47	584	6.4	88	15	550	3.93	3	20	<2	3	37	4.2	2	<2	274	.35	.495	13	28	.49	334	.07	3	5.01	.01	.07	<2	4
L94N 51+50E	14	198	150	918	2.0	107	19	1083	4.43	8	14	<2	3	74	10.7	<2	2	297	.90	.568	12	30	.54	720	.08	4	4.41	.01	.10	<2	3
L94N 51+75E	5	163	64	1939	1.2	155	32	1020	3.44	5	<5	<2	3	74	26.1	4	<2	253	.68	.280	22	45	.85	613	.10	4	3.04	.02	.12	<2	3
L94N 52+00E	3	91	41	988	.6	55	14	864	2.74	3	<5	<2	5	79	24.5	3	<2	215	.87	.594	16	41	.80	1375	.11	3	2.90	.01	.13	<2	3
L94N 52+25E	5	107	54	776	.8	78	15	697	2.96	<2	<5	<2	4	38	5.2	3	<2	326	.59	.190	20	52	1.04	650	.10	4	2.92	.01	.13	<2	9
L94N 52+50E	4	126	55	938	.8	81	19	1092	3.19	2	<5	<2	3	48	10.0	3	<2	287	.61	.291	16	52	1.06	819	.10	3	3.12	.01	.12	<2	3
L94N 52+75E	4	128	48	872	.4	83	17	1179	3.12	5	<5	<2	5	52	10.6	<2	<2	301	.66	.342	18	69	1.24	880	.13	<3	3.02	.02	.16	<2	3
L94N 53+00E	5	129	47	921	1.2	88	22	913	3.65	<2	<5	<2	4	44	8.0	<2	<2	293	.55	.254	18	65	1.36	684	.11	<3	3.64	.01	.12	<2	5
L94N 53+25E	7	191	54	999	2.6	101	22	910	3.87	4	6	<2	4	37	6.7	2	<2	318	.51	.331	16	56	1.35	626	.10	3	3.80	.01	.12	<2	5
L94N 53+50E	6	168	45	1037	1.2	105	22	860	3.60	<2	<5	<2	4	51	6.8	<2	<2	306	.58	.252	16	50	1.20	593	.10	<3	3.56	.01	.10	<2	3
L94N 53+75E	7	171	42	1223	.9	119	21	980	4.10	8	<5	<2	3	60	8.8	<2	<2	266	.57	.375	15	47	.98	686	.11	3	3.95	.01	.10	<2	24
L94N 54+00E	7	150	37	1258	.9	106	19	786	3.57	<2	<5	<2	4	34	7.5	4	<2	267	.48	.242	15	46	1.01	423	.11	3	3.73	.01	.11	<2	3
RE L94N 54+00E	7	159	39	1334	.9	114	21	850	3.78	<2	<5	<2	4	36	7.9	<2	<2	283	.50	.256	17	49	1.08	455	.12	3	4.05	.01	.11	<2	3
L94N 54+25E	3	95	37	1389	.7	66	16	1242	2.85	<2	<5	<2	3	55	20.1	<2	<2	192	.94	.402	12	37	.79	897	.10	4	2.86	.02	.12	<2	4
L94N 54+50E	4	109	35	1303	.5	86	17	762	3.24	4	<5	<2	4	28	14.1	3	<2	232	.46	.242	14	41	.87	477	.14	4	3.79	.02	.12	<2	3
L94N 54+75E	2	90	40	1102	.3	66	14	934	2.87	3	<5	<2	5	33	13.9	<2	<2	240	.55	.350	14	47	.88	770	.12	4	2.71	.02	.13	<2	4
L94N 55+00E	2	80	30	1164	.5	66	16	643	2.93	5	<5	<2	5	39	25.8	4	<2	206	.63	.511	16	39	.76	788	.12	4	3.39	.02	.11	<2	1
L94N 55+25E	2	93	39	1028	.6	62	15	1190	2.42	3	<5	<2	<2	50	20.3	<2	<2	218	1.07	.259	11	42	.96	830	.08	4	2.29	.01	.11	<2	3
L94N 55+50E	3	109	37	1021	.6	70	16	812	2.73	<2	<5	<2	2	59	15.5	<2	<2	258	1.02	.341	12	47	.98	943	.09	5	2.58	.01	.12	<2	3
L94N 55+75E	3	108	32	799	<.3	63	14	468	3.04	<2	<5	<2	4	41	11.0	<2	<2	218	.70	.428	15	42	.77	726	.10	3	2.84	.01	.10	<2	4
L94N 56+00E	3	183	62	1714	1.6	132	34	697	3.22	6	5	<2	4	42	19.4	2	2	251	.99	.260	15	65	.95	800	.10	5	3.74	.01	.14	<2	3
L94N 56+25E	4	188	25	934	.5	88	19	348	3.58	<2	<5	<2	5	27	4.4	5	<2	289	.50	.430	15	55	.99	567	.12	4	3.61	.01	.08	<2	3
L94N 56+50E	8	293	20	1067	1.2	115	22	332	5.26	<2	18	<2	6	57	14.1	<2	<2	218	.75	.493	16	47	.71	658	.12	3	5.20	.02	.09	<2	4
L94N 56+75E	7	637	60	1127	1.5	106	53	945	6.64	8	10	<2	3	46	17.8	<2	3	193	1.16	.529	21	43	.40	1565	.06	3	2.25	.01	.11	3	4
L94N 57+00E	2	140	41	897	.3	92	17	692	3.68	<2	<5	<2	4	37	6.0	4	2	167	.63	.134	9	36	.49	820	.09	4	2.99	.01	.11	<2	3
L94N 57+25E	2	109	56	704	.4	69	16	686	3.17	7	<5	<2	3	23	7.9	4	<2	116	.35	.318	11	32	.48	518	.13	3	3.38	.02	.07	<2	2
STANDARD C2/AU-S	20	66	44	143	6.3	70	36	1190	3.95	39	18	9	37	53	20.3	16	18	75	.55	.097	42	66	1.04	213	.08	28	2.05	.06	.14	15	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	Au* ppb
L94N 57+50E	3	95	27	616	.4	51	14	821	2.68	2	5	<2	4	23	5.1	2	<2	207	.51	.344	11	62	.82	642	.10	3	2.66	.01	.10	<2	5
L94N 57+75E	2	101	34	407	.7	43	11	396	2.60	7	<5	<2	4	19	3.1	<2	<2	131	.23	.304	14	36	.42	346	.08	<3	2.30	.01	.09	<2	3
L94N 58+00E	3	92	50	454	.3	49	12	444	2.79	3	<5	<2	4	20	1.8	<2	<2	180	.39	.200	15	44	.67	298	.09	<3	2.85	.01	.10	<2	1
L94N 58+25E	2	62	34	480	<.3	44	13	603	2.68	3	<5	<2	5	23	3.7	<2	<2	169	.42	.227	15	49	.75	519	.10	<3	2.43	.01	.11	<2	2
L94N 58+50E	1	77	37	514	<.3	51	13	402	2.90	3	<5	<2	6	26	3.1	<2	<2	179	.45	.313	16	46	.70	391	.11	<3	3.12	.01	.14	<2	1
L94N 58+75E	4	105	42	673	.5	66	15	783	3.28	2	<5	<2	6	19	5.0	<2	<2	237	.43	.277	18	47	.73	369	.10	<3	3.27	.01	.12	<2	3
L94N 59+00E	2	62	67	600	<.3	50	13	667	2.77	3	<5	<2	5	27	5.2	<2	<2	195	.51	.225	17	51	.84	508	.10	<3	2.56	.01	.13	<2	2
L94N 59+25E	3	59	35	726	.4	54	11	711	2.59	4	<5	<2	3	22	6.3	<2	<2	189	.48	.349	14	39	.68	332	.09	<3	2.70	.01	.10	<2	1
L94N 59+50E	1	111	43	400	<.3	51	11	329	2.80	3	<5	<2	3	36	3.8	<2	<2	181	.65	.220	16	38	.87	286	.07	<3	2.39	.01	.10	<2	1
L94N 59+75E	3	57	81	1648	<.3	93	15	526	2.96	4	6	<2	4	22	11.2	2	<2	205	.41	.364	10	42	.59	429	.08	<3	2.54	.01	.11	<2	2
RE L94N 59+75E	4	59	83	1672	<.3	96	15	532	3.04	6	5	<2	6	23	11.4	<2	<2	209	.42	.372	11	42	.60	472	.08	<3	2.60	.01	.11	<2	2
L94N 60+00E	3	129	63	1430	.7	104	17	630	3.30	6	8	<2	6	25	9.2	<2	2	273	.56	.316	16	50	.72	518	.08	<3	2.94	.01	.11	<2	3
L94N 60+25E	3	81	56	1382	<.3	77	15	545	2.88	3	<5	<2	4	34	12.9	2	<2	233	.87	.197	15	45	.63	359	.08	3	2.47	.01	.09	<2	1
L94N 60+50E	4	87	94	1613	1.4	97	17	603	3.39	7	9	<2	2	35	17.2	<2	<2	252	.89	.226	15	41	.61	364	.07	<3	3.22	.01	.09	<2	2
L94N 60+75E	6	119	111	1660	2.1	127	21	722	3.81	12	15	<2	2	33	11.1	4	2	256	.85	.336	19	38	.59	404	.06	<3	3.31	.01	.10	<2	2
L94N 61+00E	6	110	102	1656	1.5	107	21	819	3.69	14	19	<2	<2	29	13.8	2	<2	248	.82	.270	15	36	.59	364	.04	<3	2.80	.01	.11	<2	2
STANDARD C2/AU-S	20	58	35	131	6.3	70	36	1154	3.91	42	19	9	36	53	20.3	18	17	71	.54	.091	40	64	1.02	179	.07	26	2.03	.06	.15	13	54

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 # 96-2396 Page 2

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	Au* ppb
L99N 60+25E	4	136	128	1329	.4	96	17	912	3.50	7	<5	<2	5	34	5.0	2	2	187	.66	.308	15	33	.66	292	.13	4	3.69	.02	.10	<2	4
L99N 60+50E	4	144	94	1135	.9	84	15	885	3.26	7	<5	<2	3	27	5.4	4	3	202	.70	.254	20	34	.75	228	.11	4	3.38	.01	.11	<2	3
L99N 60+75E	3	169	44	849	.7	95	15	565	3.58	4	<5	<2	5	26	4.0	<2	<2	203	.83	.264	17	34	.65	173	.11	6	3.16	.01	.09	<2	4
L99N 61+00E	4	73	24	1156	.9	67	12	562	3.28	5	<5	<2	2	32	4.5	<2	<2	205	.64	.273	10	34	.61	277	.13	3	2.82	.02	.09	<2	3
L98N 60+00E	3	107	29	710	.5	67	14	922	3.16	<2	<5	<2	3	39	4.1	<2	5	145	.67	.207	14	28	.54	311	.11	<3	3.20	.01	.08	<2	1
L98N 60+25E	6	338	92	727	1.5	77	23	1065	4.63	6	10	<2	2	56	7.9	<2	<2	122	1.32	.433	14	30	.40	289	.07	5	2.59	.01	.11	<2	1
L98N 60+50E	5	126	85	729	.3	64	14	497	3.62	6	<5	<2	4	30	2.4	<2	<2	126	.59	.143	13	27	.33	189	.12	5	2.95	.02	.08	<2	3
L98N 60+75E	2	50	49	1070	.5	54	13	1057	2.95	2	<5	<2	4	19	9.1	2	4	120	.44	.380	11	26	.42	280	.14	4	3.26	.02	.09	<2	2
L98N 61+00E	3	28	33	1161	.6	37	9	1188	2.70	<2	<5	<2	3	17	7.4	<2	<2	111	.26	.359	9	22	.30	401	.18	5	3.00	.03	.08	2	1
RE L98N 61+00E	3	27	32	1138	.6	37	9	1168	2.64	4	<5	<2	4	17	7.4	2	6	108	.26	.352	8	21	.29	388	.18	5	2.94	.02	.08	<2	1
L97N 60+25E	4	76	58	1029	1.0	56	9	588	3.04	2	<5	<2	4	24	6.1	3	<2	252	1.21	.626	17	37	.49	247	.09	3	2.55	.01	.08	<2	2
L97N 60+50E	3	75	59	1050	1.3	56	10	433	2.81	2	<5	<2	4	24	7.1	5	<2	228	1.13	.505	15	35	.54	198	.10	4	2.77	.01	.07	<2	2
L97N 60+75E	3	73	75	1734	1.6	79	7	278	2.11	5	23	<2	<2	33	12.1	2	<2	333	1.82	.274	14	69	.61	118	.06	3	2.11	.01	.06	<2	3
L97N 61+00E	3	89	70	852	.6	63	13	819	3.17	<2	<5	<2	3	20	4.1	2	2	167	.54	.371	11	31	.53	202	.11	<3	3.24	.01	.07	<2	2
STANDARD C2/AU-S	20	57	41	141	6.1	68	34	1202	3.92	41	18	8	35	51	19.6	16	20	71	.55	.089	41	66	.99	198	.08	26	2.05	.06	.14	13	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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 24 1996 DATE REPORT MAILED: July 4/96 SIGNED BY C. Leong ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Sultan Minerals PROJECT JERSEY FILE # 96-2424

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L103N 51+75E	10	158	166	806	6.6	98	27	977	5.08	17	11	<2	2	30	2.6	7	4	351	.41	.528	17	48	.63	284	.10	3	4.24	.02	.10	2	4
L103N 52+25E	7	132	67	1242	2.3	136	31	1134	4.54	13	<5	<2	3	28	7.6	3	<2	350	.41	.227	26	93	1.52	441	.14	4	4.21	.02	.16	<2	2
L103N 52+75E	3	54	44	1110	1.3	85	22	908	3.07	8	<5	<2	2	47	5.7	2	3	230	.64	.156	21	74	.99	389	.15	<3	2.40	.03	.10	<2	1
L103N 53+25E	2	35	31	1120	1.0	50	19	1287	3.18	2	<5	<2	3	30	4.9	3	5	270	.39	.305	9	41	.89	282	.18	<3	3.75	.03	.09	<2	1
L103N 53+75E	3	78	43	1449	2.0	135	29	816	3.66	2	<5	<2	3	32	3.9	3	<2	295	.52	.240	16	51	.97	363	.15	3	3.69	.02	.11	<2	<1
L103N 54+25E	7	106	41	1034	2.8	93	37	853	5.53	12	5	<2	5	28	4.1	2	3	205	.39	.224	13	39	1.05	316	.13	4	5.61	.02	.09	<2	1
L103N 54+75E	5	188	30	1044	1.1	85	49	1034	4.06	5	<5	<2	3	21	4.1	<2	2	297	.41	.280	19	48	1.07	221	.13	<3	5.28	.02	.09	<2	2
L103N 55+25E	6	83	35	731	1.8	61	12	573	4.72	6	<5	<2	2	31	2.9	<2	4	312	.52	.280	10	50	1.12	262	.13	<3	4.02	.02	.11	<2	<1
L103N 55+75E	6	94	29	555	.6	54	10	505	3.86	2	<5	<2	3	18	1.0	3	<2	281	.31	.265	12	48	1.04	196	.13	<3	4.23	.02	.09	<2	<1
L103N 56+25E	5	80	33	735	.7	49	9	652	4.39	4	<5	<2	4	28	3.1	2	2	330	.54	.394	10	52	.93	382	.15	<3	4.10	.02	.09	<2	5
L103N 56+75E	5	181	22	1463	.8	112	60	785	3.91	4	<5	<2	2	22	8.5	<2	4	279	.36	.193	16	45	.89	266	.14	4	4.37	.02	.08	<2	2
L103N 57+25E	4	91	15	814	1.0	55	15	690	4.24	<2	<5	<2	2	17	2.8	<2	2	340	.26	.209	11	61	1.19	351	.16	<3	4.23	.02	.10	<2	1
L103N 57+75E	5	107	25	547	.8	52	18	601	4.95	7	<5	<2	5	15	1.4	<2	3	234	.28	.296	14	54	.89	609	.15	<3	2.99	.02	.10	<2	5
L103N 58+25E	4	132	15	469	1.2	65	20	707	4.37	<2	<5	<2	4	16	.8	2	4	244	.27	.359	12	53	.94	467	.15	3	3.57	.02	.09	<2	<1
L103N 58+75E	2	122	21	536	1.2	58	21	723	4.24	2	<5	<2	3	20	1.7	<2	<2	180	.40	.371	13	48	.80	821	.15	<3	2.90	.02	.08	<2	<1
L103N 59+25E	2	121	21	467	1.0	58	14	661	3.60	2	<5	<2	2	26	1.8	2	4	166	.55	.328	14	39	.64	669	.12	<3	2.72	.01	.07	<2	1
L101N 46+25E	1	22	61	659	1.0	29	11	871	3.12	5	<5	<2	3	19	2.6	<2	<2	147	.40	.398	18	40	.76	502	.12	<3	3.33	.02	.09	3	2
L101N 46+75E	1	36	56	592	.8	55	9	368	2.66	7	<5	<2	8	16	3.7	<2	4	155	.40	.193	23	36	.79	441	.10	<3	3.13	.02	.14	3	1
L101N 47+25E	1	62	62	980	2.1	61	10	924	2.95	5	<5	<2	<2	23	8.2	2	<2	192	.38	.187	20	38	.65	341	.11	<3	3.03	.02	.10	<2	1
L101N 47+75E	2	45	36	781	1.8	44	13	604	3.34	3	<5	<2	3	15	4.2	<2	3	225	.32	.298	20	40	.69	324	.12	4	3.61	.02	.10	<2	2
L101N 48+25E	1	50	38	1452	1.4	87	16	1629	3.18	2	<5	<2	3	29	9.0	<2	<2	250	.46	.347	15	42	.76	540	.13	3	3.54	.02	.12	<2	1
L101N 48+75E	3	65	75	1113	.7	97	12	383	3.33	7	<5	<2	5	20	2.9	2	3	250	.38	.370	17	43	.84	256	.12	3	4.48	.01	.12	<2	2
RE L101N 48+75E	4	65	66	1099	.7	93	10	381	3.28	11	<5	<2	4	20	2.7	3	2	246	.36	.365	17	44	.82	249	.12	3	4.45	.02	.11	2	-
L101N 49+25E	3	66	49	833	.4	56	9	631	3.59	3	<5	<2	<2	16	2.3	2	2	347	.35	.196	12	44	.69	204	.10	5	2.31	.02	.09	<2	1
L101N 49+75E	4	97	64	2086	2.7	139	23	1874	3.53	17	<5	<2	<2	30	11.9	3	3	232	.46	.296	15	40	.65	525	.10	<3	2.73	.02	.10	<2	3
L101N 50+25E	3	83	44	968	4.4	77	14	715	3.06	8	<5	<2	<2	50	7.1	4	4	271	.91	.305	19	46	.75	372	.10	<3	3.34	.02	.09	<2	1
L101N 50+75E	3	120	31	1423	3.0	129	36	1154	3.92	6	<5	<2	<2	43	7.0	<2	2	243	.55	.261	18	53	1.22	303	.15	<3	3.62	.02	.11	<2	2
L101N 52+75E	6	413	29	760	2.8	91	42	496	3.25	3	15	<2	<2	22	7.4	<2	2	265	.39	.164	19	48	1.07	184	.07	<3	4.12	.01	.07	<2	1
L101N 53+25E	7	156	22	859	1.8	105	22	605	4.53	<2	<5	<2	<2	33	3.3	<2	4	277	.51	.183	12	46	.92	303	.11	4	4.19	.02	.09	<2	1
L101N 53+75E	5	116	23	590	1.6	56	9	253	4.51	8	<5	<2	3	21	1.1	<2	2	395	.44	.350	9	71	1.35	381	.13	6	3.67	.02	.09	<2	2
L101N 54+25E	5	97	27	532	1.4	55	6	187	4.02	2	<5	<2	5	17	.7	2	<2	334	.18	.171	9	56	1.05	334	.18	3	4.79	.02	.09	<2	1
L101N 54+75E	17	124	38	270	1.7	42	9	760	4.17	<2	8	<2	<2	61	1.4	<2	2	121	.76	.246	9	29	.52	386	.07	<3	4.76	.02	.11	<2	2
L101N 55+25E	8	144	28	335	.6	58	10	858	3.98	<2	<5	<2	<2	19	.3	<2	<2	187	.15	.231	13	34	.72	213	.10	<3	4.24	.02	.12	<2	2
L101N 55+75E	7	120	29	404	.6	50	12	677	3.69	5	<5	<2	<2	20	1.7	<2	<2	178	.22	.154	12	34	.67	224	.11	<3	3.65	.02	.09	<2	6
L101N 56+25E	12	271	24	249	1.1	45	10	598	5.28	4	8	<2	2	14	<.2	4	<2	219	.24	.323	12	46	.81	259	.09	<3	4.13	.02	.09	<2	1
STANDARD C2/AU-S	20	58	41	124	6.4	75	36	1249	4.12	40	17	7	35	54	19.7	17	24	74	.55	.090	41	67	1.05	207	.08	27	2.12	.06	.15	13	48

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

Sultan Minerals PROJECT JERSEY FILE # 96-2424

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L101N 56+75E	4	120	28	513	.7	54	13	303	3.31	<2	<5	<2	2	16	1.1	3	<2	215	.37	.239	10	41	.89	375	.11	<3	2.99	.02	.07	<2	<1
L101N 57+25E	3	109	21	425	2.7	52	10	201	3.37	<2	<5	<2	2	18	1.7	2	5	184	.38	.227	16	49	.73	433	.13	<3	3.87	.02	.06	<2	2
L101N 57+75E	3	125	13	310	3.0	47	8	213	2.99	2	<5	<2	<2	15	.6	3	<2	171	.46	.319	15	41	.59	382	.10	<3	2.92	.01	.06	<2	2
L101N 58+25E	2	44	21	201	1.8	22	3	136	2.52	3	<5	<2	3	11	.3	2	<2	192	.16	.197	9	40	.50	189	.15	<3	2.08	.02	.06	<2	<1
L101N 58+75E	3	54	24	662	2.5	47	10	327	3.33	<2	<5	<2	3	18	1.1	3	4	192	.29	.310	12	31	.43	217	.13	<3	3.45	.02	.06	<2	1
L101N 59+25E	13	107	31	558	1.2	57	6	767	4.01	3	8	<2	2	46	2.0	2	5	345	.39	.283	9	46	.86	242	.08	4	3.52	.01	.08	<2	1
L101N 59+75E	7	142	43	1612	1.2	119	12	219	3.53	6	6	<2	<2	32	9.8	2	<2	360	.40	.067	19	40	.59	373	.13	<3	2.65	.01	.05	<2	1
L98N 48+00E	11	73	52	688	.8	66	13	1261	3.96	<2	<5	<2	<2	33	3.1	2	3	257	.26	.220	12	30	.56	220	.09	<3	3.11	.01	.12	<2	1
L98N 48+25E	9	67	28	773	.9	67	11	896	4.41	8	<5	<2	<2	25	2.6	6	4	216	.25	.223	12	26	.48	184	.13	4	3.81	.02	.10	<2	1
L98N 48+50E	7	78	35	1104	.5	86	26	953	4.33	11	<5	<2	4	31	7.1	<2	3	264	.56	.464	13	37	.63	473	.13	<3	3.38	.01	.11	<2	1
RE L98N 48+75E	3	70	54	908	1.5	77	12	435	3.51	4	<5	<2	5	15	3.2	<2	<2	297	.31	.301	15	43	.89	254	.12	<3	3.89	.02	.09	<2	1
L98N 48+75E	3	72	52	927	1.7	74	12	434	3.56	6	<5	<2	5	15	3.4	2	<2	303	.30	.305	15	44	.91	252	.13	7	3.97	.02	.10	<2	1
L98N 49+00E	5	81	31	1262	1.3	94	17	1087	3.90	5	<5	<2	3	42	11.0	4	3	365	.57	.244	11	36	.65	740	.15	<3	3.94	.02	.10	<2	1
L98N 49+25E	6	83	49	814	1.0	80	13	620	3.30	4	<5	<2	2	23	2.6	2	3	229	.31	.215	15	34	.78	299	.10	<3	2.96	.02	.09	<2	1
L98N 49+50E	10	89	53	815	.7	85	18	745	4.54	11	<5	<2	<2	44	4.2	4	5	183	.36	.238	10	24	.45	229	.11	7	3.32	.02	.10	<2	<1
L98N 49+75E	6	97	53	1240	1.6	103	11	452	3.57	<2	<5	<2	2	18	3.2	3	7	186	.20	.155	20	34	.65	165	.13	5	3.80	.02	.10	<2	1
L98N 50+00E	5	79	55	1071	1.0	96	22	1537	3.09	9	<5	<2	<2	20	4.8	2	5	155	.24	.222	15	32	.66	211	.09	<3	2.95	.01	.11	<2	<1
L98N 50+25E	5	105	47	840	1.4	87	21	1546	3.74	2	<5	<2	<2	35	4.5	2	4	149	.31	.237	15	44	.89	342	.15	3	3.15	.02	.12	<2	1
L98N 50+50E	6	92	58	671	.6	112	28	1326	4.41	<2	<5	<2	3	43	2.7	2	4	155	.34	.204	17	67	1.60	290	.21	<3	3.33	.03	.19	<2	<1
L98N 50+75E	10	95	56	688	.6	136	26	996	4.73	<2	<5	<2	2	60	3.3	3	5	152	.39	.164	17	63	1.74	244	.18	<3	3.69	.04	.21	<2	1
L98N 51+00E	7	72	33	709	.6	86	18	1177	3.66	<2	<5	<2	<2	43	3.2	2	<2	175	.27	.171	14	35	.70	322	.10	6	3.69	.02	.12	<2	<1
L98N 51+25E	10	73	26	565	.8	74	14	1000	3.65	3	<5	<2	<2	29	2.1	<2	2	127	.15	.200	12	22	.48	161	.10	4	4.27	.02	.11	<2	1
L98N 51+50E	7	78	37	866	.8	95	16	844	3.58	<2	<5	<2	<2	32	4.8	<2	5	184	.26	.164	14	28	.55	261	.12	4	3.89	.02	.11	<2	1
L98N 51+75E	9	126	58	1091	1.5	132	17	800	3.71	4	7	<2	<2	52	4.7	3	2	304	.53	.307	16	38	.75	383	.07	3	3.63	.02	.15	<2	1
L98N 52+00E	7	130	53	1874	1.5	193	27	945	3.53	5	<5	<2	<2	47	25.5	<2	<2	317	.63	.216	15	38	.85	288	.08	6	3.70	.01	.14	<2	1
L98N 52+25E	8	84	119	773	4.1	68	20	1203	4.19	2	<5	<2	<2	54	5.8	<2	<2	241	.38	.322	13	40	.87	376	.07	5	4.18	.02	.16	<2	1
L98N 52+50E	5	96	41	1698	1.1	125	19	1246	3.80	<2	<5	<2	2	56	12.8	<2	<2	345	.64	.239	13	37	.76	570	.12	9	3.35	.02	.12	<2	<1
L98N 52+75E	7	149	40	1878	1.9	157	30	979	4.01	2	6	<2	<2	42	18.3	2	<2	272	.40	.244	20	42	.91	290	.10	<3	4.68	.02	.14	<2	2
L98N 53+00E	11	138	27	619	1.5	63	16	770	5.06	2	<5	<2	<2	46	4.6	2	4	252	.36	.319	11	42	.98	342	.09	4	4.55	.02	.14	<2	1
L98N 53+25E	6	196	51	988	1.2	92	19	886	3.93	<2	<5	<2	3	25	5.0	2	8	299	.22	.273	16	52	1.15	260	.13	5	5.00	.02	.16	<2	3
L98N 53+50E	5	131	53	1551	1.4	124	25	809	4.04	<2	<5	<2	3	35	13.8	<2	4	320	.38	.195	19	55	1.23	351	.13	<3	4.55	.02	.17	<2	1
L98N 53+75E	6	140	58	900	.9	90	22	789	4.28	2	<5	<2	<2	45	6.2	3	2	141	.57	.199	12	30	.66	319	.11	4	4.05	.02	.12	<2	<1
L98N 54+00E	6	173	28	917	.7	148	32	1006	4.74	<2	<5	<2	<2	32	3.1	3	9	125	.57	.177	12	27	.51	280	.10	9	4.32	.02	.11	<2	<1
L98N 54+25E	7	252	43	675	.9	102	23	990	4.85	3	<5	<2	3	24	1.9	<2	4	161	.34	.269	14	32	.56	242	.13	3	3.94	.02	.13	2	1
L98N 54+50E	32	344	43	442	2.8	77	47	998	8.23	<2	7	<2	3	56	3.4	<2	3	183	.46	.489	11	43	.35	214	.05	5	4.18	.02	.11	<2	<1
STANDARD C2/AU-S	19	59	43	130	6.6	73	35	1227	4.08	38	18	7	36	54	19.8	18	21	75	.55	.089	43	66	1.03	209	.09	27	2.13	.06	.15	13	45

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

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	Au* ppb
L98N 54+75E	11	153	35	548	.8	57	13	812	5.05	2	<5	<2	<2	51	7.5	<2	5	190	.53	.254	10	34	.73	402	.09	4	4.22	.02	.13	<2	3
L98N 55+00E	10	195	45	672	.8	88	23	773	4.85	<2	<5	<2	<2	58	8.1	3	3	133	.74	.249	12	28	.50	353	.11	9	4.50	.02	.13	<2	3
L98N 55+25E	7	193	21	784	.7	82	22	955	4.47	<2	<5	<2	<2	51	7.1	<2	<2	136	.66	.205	12	28	.50	406	.12	4	4.19	.02	.11	<2	1
L98N 55+50E	8	310	44	858	1.0	119	36	919	4.42	<2	7	<2	<2	40	6.9	<2	6	199	.51	.286	16	37	.74	371	.09	4	4.63	.02	.11	<2	3
L98N 58+00E	3	126	35	598	<.3	70	22	1184	3.57	4	<5	<2	2	26	4.9	2	3	173	.58	.256	13	41	.76	485	.12	<3	3.05	.02	.12	<2	1
L98N 58+25E	3	206	201	429	2.6	48	13	805	3.02	21	<5	<2	2	39	4.0	10	3	112	1.00	.298	13	26	.55	196	.09	4	2.40	.01	.09	<2	5
L98N 58+50E	3	107	52	350	.4	51	14	1233	3.07	2	<5	<2	<2	36	3.8	3	5	120	.72	.240	18	25	.69	239	.09	<3	2.76	.02	.11	<2	2
L98N 58+75E	19	371	15	605	2.5	79	22	727	6.17	<2	21	<2	3	46	8.7	<2	3	141	.74	.420	10	23	.49	278	.06	7	5.10	.01	.10	<2	2
RE L98N 59+00E	6	146	19	1099	.6	101	20	719	4.20	<2	7	<2	2	39	7.9	2	4	280	.71	.268	12	48	.92	383	.12	<3	3.82	.01	.11	<2	2
L98N 59+00E	6	152	21	1126	.7	104	19	744	4.31	<2	6	<2	2	41	8.1	4	5	288	.73	.274	12	49	.93	394	.12	3	3.94	.01	.12	<2	3
L98N 59+25E	3	56	31	1376	.4	92	14	720	3.13	4	<5	<2	2	22	6.4	<2	<2	137	.33	.193	11	25	.46	299	.16	<3	3.83	.02	.08	<2	1
L98N 59+50E	4	107	30	1349	.6	104	33	584	2.89	4	<5	<2	<2	25	11.8	<2	6	216	.50	.177	17	37	.63	308	.11	4	2.61	.01	.08	<2	19
L98N 59+75E	8	139	78	1559	1.6	118	23	1036	3.98	9	6	<2	<2	44	19.0	3	<2	248	.70	.322	17	36	.71	569	.09	<3	3.14	.01	.11	<2	5
STANDARD C2/AU-S	20	60	38	124	6.3	73	37	1244	4.02	41	17	8	35	53	20.5	17	21	74	.53	.089	41	63	1.03	211	.08	27	2.12	.06	.14	14	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

Sultan Minerals PROJECT JERSEY FILE # 96-2567

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	Au* ppb
L107N 49+75E	1	30	57	1428	.7	79	14	736	2.78	7	<5	<2	5	19	12.9	<2	<2	130	.42	.170	18	54	.82	913	.16	4	4.02	.02	.13	2	3
L107N 50+25E	2	38	81	1492	.4	89	11	673	2.86	3	<5	<2	5	18	8.3	<2	5	166	.45	.288	18	49	.88	504	.13	3	3.59	.02	.13	2	2
L107N 52+25E	3	67	47	2447	.7	189	22	536	3.41	5	<5	<2	5	24	7.0	<2	3	294	.44	.306	15	81	.95	417	.16	<3	4.16	.02	.11	<2	9
L107N 52+75E	3	101	55	1343	.5	172	21	471	3.16	9	<5	<2	7	50	4.5	<2	4	177	.87	.203	28	81	1.71	390	.16	3	2.38	.03	.14	<2	3
L107N 53+25E	3	40	41	1359	1.4	108	22	559	3.16	7	<5	<2	3	19	5.8	<2	<2	175	.30	.227	13	36	.64	329	.13	4	3.55	.02	.09	<2	1
L107N 53+75E	5	67	42	1918	.5	174	21	1076	3.35	<2	<5	<2	4	21	4.6	<2	<2	230	.29	.234	14	39	.78	306	.15	<3	3.42	.02	.10	<2	1
L107N 54+25E	3	51	66	1321	.4	92	17	803	2.90	4	<5	<2	3	34	8.9	<2	<2	173	.47	.184	13	29	.62	378	.14	5	2.80	.02	.11	2	1
L107N 54+75E	3	42	33	1353	<.3	87	19	692	3.33	<2	<5	<2	4	30	5.3	<2	3	246	.51	.197	11	36	.72	364	.15	<3	3.20	.02	.10	2	1
L107N 55+25E	3	57	27	1617	.3	94	35	761	3.40	3	<5	<2	4	22	7.4	2	<2	282	.39	.110	12	43	.95	326	.16	<3	3.06	.02	.08	<2	<1
L107N 55+75E	4	82	31	1283	.8	77	24	697	3.91	<2	<5	<2	4	22	5.6	<2	<2	297	.46	.188	9	49	.85	572	.15	3	3.16	.02	.08	<2	1
L107N 56+25E	8	128	28	345	.6	46	10	896	4.20	3	6	<2	<2	22	1.4	<2	<2	271	.38	.330	9	58	1.08	177	.07	5	3.70	.02	.10	2	2
L107N 56+75E	13	200	24	439	2.0	44	11	312	4.59	<2	8	<2	6	18	.8	<2	<2	190	.22	.237	12	40	.68	283	.16	<3	4.60	.02	.09	<2	2
L107N 57+25E	4	58	17	493	1.4	35	16	555	4.30	3	<5	<2	4	13	1.2	<2	3	115	.22	.303	8	29	.40	385	.18	3	3.40	.02	.09	2	1
L107N 57+75E	3	144	35	925	1.1	119	17	328	3.52	<2	<5	<2	5	14	.9	<2	<2	162	.23	.189	13	34	.60	283	.18	6	4.15	.02	.09	2	<1
L107N 58+25E	2	79	27	824	.5	78	19	856	3.59	<2	<5	<2	4	17	2.5	<2	<2	195	.33	.215	13	42	.76	477	.17	3	3.94	.02	.08	2	1
RE L107N 58+25E	2	77	29	792	.5	74	17	829	3.46	<2	<5	<2	4	17	2.7	<2	<2	187	.31	.207	13	40	.74	464	.16	3	3.77	.02	.08	3	<1
L107N 58+75E	2	50	28	632	.8	51	16	878	3.26	2	<5	<2	5	28	2.4	<2	5	152	.50	.363	12	34	.58	457	.18	<3	3.50	.02	.09	3	<1
L107N 59+25E	2	48	29	483	.3	46	18	784	3.20	2	<5	<2	3	25	2.6	2	<2	142	.46	.191	11	31	.50	478	.16	6	2.33	.02	.08	<2	1
L107N 59+75E	3	132	21	758	1.1	88	20	459	3.53	2	<5	<2	2	30	3.9	2	4	157	.71	.246	22	46	.75	593	.13	<3	2.95	.02	.08	3	<1
L105N 53+25E	2	25	40	958	.9	55	13	816	2.75	4	<5	<2	4	17	5.5	<2	3	144	.28	.393	12	41	.60	397	.15	5	3.23	.02	.09	2	1
L105N 53+75E	5	64	60	1503	3.2	118	34	1503	3.77	8	<5	<2	3	33	10.4	<2	<2	197	.46	.339	13	31	.62	512	.14	<3	3.60	.02	.12	<2	1
L105N 54+25E	7	86	54	1226	1.1	121	54	1066	4.21	5	<5	<2	2	37	5.7	<2	<2	246	.46	.232	14	36	.80	308	.10	3	3.33	.02	.12	<2	<1
L105N 56+25E	10	67	60	465	.5	30	7	672	3.48	5	<5	<2	<2	29	2.7	<2	3	363	.40	.145	8	50	1.20	288	.10	<3	2.45	.02	.11	2	1
L105N 56+75E	11	163	24	684	.8	67	9	270	4.04	<2	6	<2	5	18	.9	<2	5	343	.25	.273	10	53	1.12	204	.14	<3	4.50	.01	.09	2	1
L105N 57+25E	5	138	31	897	.7	77	16	1046	3.48	<2	<5	<2	4	32	2.4	2	<2	299	.55	.287	10	53	1.12	607	.14	<3	3.56	.02	.09	3	4
L105N 57+75E	6	194	19	568	2.4	86	17	267	3.96	<2	<5	<2	5	15	1.0	3	<2	184	.26	.265	12	50	.78	338	.16	<3	3.85	.01	.10	3	1
L105N 58+25E	3	97	29	588	2.0	65	15	708	3.37	4	<5	<2	5	15	1.9	<2	3	187	.23	.268	10	42	.79	509	.16	4	2.94	.01	.09	<2	17
L105N 58+75E	4	294	30	628	.4	115	20	336	3.49	6	<5	<2	6	19	1.1	2	7	193	.54	.302	16	43	.83	419	.14	<3	3.19	.01	.10	3	2
L105N 59+25E	3	272	27	771	1.7	90	29	567	3.77	3	<5	<2	<2	31	15.3	<2	<2	158	.68	.258	16	51	.66	1209	.10	<3	2.33	.01	.09	2	1
L102N 55+00E	6	75	22	388	.8	43	10	317	3.55	<2	<5	<2	3	15	1.4	<2	3	230	.19	.180	10	39	.83	249	.15	<3	3.64	.02	.07	2	<1
L102N 55+25E	4	68	26	438	.7	39	7	396	3.46	4	<5	<2	4	13	.9	<2	3	277	.23	.288	9	46	.92	288	.16	4	3.23	.01	.09	2	1
L102N 55+50E	7	102	27	503	.9	64	9	182	3.90	<2	<5	<2	5	14	.3	2	3	293	.21	.229	10	49	.90	238	.16	<3	4.30	.01	.08	2	1
L102N 55+75E	12	106	21	388	1.5	54	15	455	4.63	<2	<5	<2	2	15	1.1	<2	4	163	.18	.240	10	33	.67	160	.10	<3	4.59	.01	.08	2	<1
L102N 56+00E	8	40	18	361	1.0	35	9	216	4.10	<2	<5	<2	3	16	<.2	<2	<2	145	.19	.134	7	30	.52	167	.15	<3	4.07	.02	.06	2	2
L102N 56+25E	7	180	16	402	1.5	55	29	389	3.36	<2	<5	<2	<2	16	2.2	<2	<2	196	.23	.180	20	37	.69	180	.07	<3	3.48	.02	.07	2	<1
STANDARD C2/AU-S	20	56	38	142	6.0	75	36	1120	3.75	42	18	7	35	50	18.9	18	17	71	.55	.087	40	61	.96	197	.08	26	1.96	.06	.15	14	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	Au* ppb
L102N 56+50E	9	122	10	544	.5	68	14	247	5.16	<2	5	<2	5	17	<.2	2	<2	192	.24	.223	8	43	.67	216	.14	<3	4.15	.02	.07	<2	3
L102N 56+75E	5	98	22	406	.6	47	18	387	3.38	<2	<5	<2	2	21	1.6	<2	2	305	.39	.216	11	60	1.19	381	.12	3	2.58	.02	.08	<2	2
L102N 57+00E	4	206	26	747	.5	81	55	940	3.84	<2	<5	<2	3	25	3.2	<2	2	257	.55	.277	14	52	1.02	581	.12	3	3.20	.02	.13	2	1
L102N 57+25E	5	202	17	531	1.1	65	15	302	3.96	<2	<5	<2	3	17	1.2	<2	4	243	.34	.120	16	52	.95	342	.14	5	3.54	.02	.09	3	1
L102N 57+50E	4	133	14	417	1.0	54	13	452	3.42	7	<5	<2	2	19	1.9	<2	<2	180	.40	.186	13	43	.68	411	.12	<3	2.95	.02	.07	<2	1
L102N 57+75E	3	136	18	427	.5	55	15	622	3.33	3	<5	<2	<2	27	1.7	<2	2	184	.71	.302	14	47	.75	650	.11	<3	2.16	.02	.08	<2	2
L102N 58+00E	3	100	13	319	1.4	37	9	466	2.95	<2	<5	<2	<2	16	1.5	2	<2	151	.39	.300	16	39	.62	356	.10	<3	2.48	.02	.08	<2	1
L102N 58+25E	2	45	18	201	.6	23	6	226	2.86	3	<5	<2	2	13	.4	<2	<2	135	.23	.215	10	32	.43	224	.14	<3	1.88	.01	.08	<2	2
L102N 58+50E	3	69	24	444	.7	46	15	490	3.06	3	<5	<2	<2	14	1.2	<2	<2	137	.33	.169	13	29	.52	168	.12	<3	3.30	.02	.06	3	1
L102N 58+75E	6	125	24	491	.8	64	9	161	4.08	<2	<5	<2	4	24	1.3	2	2	189	.41	.233	12	38	.57	297	.14	<3	3.29	.02	.08	<2	2
L102N 59+00E	10	109	16	266	.9	30	4	222	4.73	3	<5	<2	4	19	.7	<2	<2	416	.40	.423	8	73	1.17	167	.12	6	3.47	.01	.07	<2	<1
L102N 59+25E	4	94	26	1529	2.2	82	17	903	2.86	<2	<5	<2	<2	35	9.8	<2	2	255	.72	.200	16	43	.76	244	.10	<3	3.18	.02	.07	<2	1
L102N 59+50E	4	52	23	870	1.5	50	11	354	3.55	2	<5	<2	3	26	2.3	2	<2	293	.42	.399	10	39	.57	318	.13	<3	3.69	.02	.08	6	<1
L102N 59+75E	8	69	12	1095	1.6	81	10	199	3.49	<2	<5	<2	4	33	2.5	<2	4	215	.33	.259	7	28	.41	215	.15	3	4.84	.02	.06	5	<1
L102N 60+00E	8	93	34	1430	1.0	89	16	695	3.83	6	8	<2	<2	42	8.6	2	<2	317	.45	.291	11	39	.55	317	.08	<3	3.38	.01	.07	<2	1
L100N 57+75E	3	62	33	308	.9	35	7	190	4.06	<2	<5	<2	4	20	.2	<2	4	141	.35	.139	9	30	.40	258	.18	<3	3.45	.02	.07	2	<1
L100N 58+00E	5	111	19	151	.6	31	4	293	3.49	<2	<5	<2	2	12	<.2	<2	<2	197	.22	.265	9	40	.46	236	.13	<3	2.15	.01	.07	<2	1
L100N 58+25E	9	166	27	271	2.0	30	4	238	4.42	<2	<5	<2	4	20	1.7	<2	<2	272	.24	.332	11	50	.81	194	.13	<3	3.76	.02	.09	<2	3
L100N 58+50E	7	119	17	383	.6	49	7	292	4.02	4	<5	<2	6	20	<.2	<2	<2	234	.25	.238	13	47	.78	173	.16	4	4.39	.02	.09	2	2
RE L100N 58+50E	7	113	20	366	.6	48	5	277	3.87	<2	<5	<2	6	19	<.2	<2	3	223	.23	.226	12	43	.76	163	.16	<3	4.15	.02	.09	<2	2
L100N 58+75E	3	55	29	447	.9	37	5	150	3.41	2	<5	<2	5	12	.4	<2	<2	151	.21	.291	9	29	.43	131	.16	<3	4.61	.02	.06	<2	1
L100N 59+00E	14	95	280	962	2.2	84	12	325	4.48	29	<5	<2	6	15	1.5	10	2	301	.23	.289	18	32	.60	264	.12	3	2.99	.01	.09	4	1
L100N 59+25E	20	121	30	808	1.3	88	9	283	3.61	<2	<5	<2	2	33	1.2	<2	<2	319	.24	.228	15	30	.54	167	.12	3	4.01	.01	.09	3	1
L100N 59+50E	11	77	24	578	<.3	61	7	223	3.44	<2	<5	<2	2	15	.9	2	<2	278	.14	.180	13	33	.55	183	.14	<3	2.92	.02	.08	2	1
L100N 59+75E	8	70	19	344	.7	32	5	305	3.47	<2	<5	<2	2	21	.6	<2	<2	242	.21	.233	11	42	.80	140	.13	<3	3.61	.02	.08	<2	<1
L100N 60+00E	7	104	19	219	1.3	27	4	188	4.01	<2	<5	<2	5	19	.3	2	<2	156	.22	.213	10	39	.55	100	.14	<3	4.02	.02	.08	<2	2
STANDARD C2/AU-S	19	57	36	141	5.9	73	35	1116	3.78	41	18	7	34	50	19.6	15	22	71	.53	.085	39	63	.95	200	.08	26	1.96	.06	.14	15	55

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L106N 53+50E	5	88	61	1278	2.6	121	24	1046	3.45	14	<5	<2	3	30	6.7	3	<2	199	.38	.237	17	44	.73	508	.11	4	2.34	.02	.11	<2	1
L106N 53+75E	6	69	42	946	1.3	95	22	889	3.15	9	<5	<2	3	17	4.3	<2	<2	178	.25	.245	15	32	.69	310	.10	4	2.70	.02	.08	<2	4
L106N 54+00E	5	111	48	1104	2.3	133	21	430	3.51	15	<5	<2	<2	23	10.4	5	2	249	.33	.131	16	51	.77	419	.10	4	2.76	.02	.10	9	3
L106N 54+25E	5	77	44	558	1.4	60	7	227	3.04	11	<5	<2	<2	18	5.5	<2	<2	173	.23	.076	14	29	.41	275	.10	3	1.79	.01	.06	<2	1
L106N 54+50E	5	68	44	668	2.0	60	17	709	2.99	6	<5	<2	<2	21	8.2	<2	<2	149	.32	.161	13	25	.44	281	.08	4	2.25	.01	.06	<2	1
L106N 54+75E	3	128	49	1307	1.1	105	89	1425	2.88	2	<5	<2	<2	52	16.9	<2	2	189	.85	.229	16	33	.83	513	.08	4	2.17	.02	.10	<2	1
L106N 55+00E	4	52	48	825	.6	69	21	904	4.44	5	<5	<2	4	19	4.5	3	<2	192	.27	.167	10	35	.93	284	.13	5	3.35	.02	.08	<2	<1
L106N 55+25E	8	95	48	670	1.7	58	22	731	4.38	3	<5	<2	2	22	3.4	<2	<2	221	.32	.185	9	37	.88	245	.09	3	2.85	.01	.08	<2	1
L106N 55+50E	9	78	31	705	1.3	56	10	473	4.62	<2	<5	<2	4	27	2.4	<2	<2	268	.49	.182	7	41	.89	286	.13	4	3.54	.02	.08	<2	<1
L106N 55+75E	6	56	35	920	.9	80	16	651	4.47	<2	<5	<2	4	32	1.6	<2	2	274	.55	.201	10	48	1.12	341	.15	3	4.11	.02	.08	<2	1
L106N 56+00E	9	176	33	725	1.0	67	19	426	4.03	3	<5	<2	4	23	3.2	<2	2	324	.29	.162	14	57	1.26	307	.14	4	3.68	.02	.10	<2	2
L106N 56+25E	7	99	34	488	1.0	50	8	407	3.54	5	<5	<2	3	16	1.7	2	3	226	.21	.167	11	39	.84	247	.15	3	3.20	.02	.09	<2	1
L106N 56+50E	9	127	24	492	.7	47	5	260	3.95	6	<5	<2	5	17	.9	4	<2	326	.25	.199	10	60	1.24	300	.17	3	3.87	.02	.09	6	1
L106N 56+75E	5	117	39	535	.6	63	7	293	3.26	3	<5	<2	6	13	.5	2	<2	312	.24	.198	11	57	1.11	343	.15	3	3.07	.01	.09	<2	1
L106N 57+00E	8	144	22	409	1.1	55	7	248	3.83	<2	<5	<2	6	17	<.2	<2	<2	233	.28	.258	9	49	1.02	270	.13	3	3.26	.01	.08	<2	1
L106N 57+25E	8	125	29	513	.9	63	10	263	3.74	3	<5	<2	5	14	.6	<2	<2	257	.22	.255	11	47	.93	270	.14	4	3.59	.01	.08	3	1
L106N 57+50E	3	64	26	441	.4	37	12	506	3.26	<2	<5	<2	3	22	.5	<2	<2	180	.40	.238	8	38	.71	590	.14	3	2.30	.02	.09	<2	<1
L106N 57+75E	2	67	30	609	3.9	44	18	697	3.33	5	<5	<2	4	17	2.9	<2	<2	129	.28	.280	11	33	.48	607	.16	3	2.21	.02	.08	<2	1
L106N 58+00E	2	81	28	547	1.3	50	16	433	3.41	3	<5	<2	4	16	1.5	2	<2	125	.34	.259	13	28	.46	473	.11	3	2.07	.01	.06	<2	2
L106N 58+25E	3	143	26	834	2.3	100	18	697	3.34	3	<5	<2	4	21	3.3	<2	<2	151	.53	.262	15	43	.57	614	.12	<3	2.45	.01	.07	<2	2
L106N 58+50E	2	91	30	718	.9	69	17	773	3.10	<2	<5	<2	3	23	1.9	<2	<2	141	.49	.242	11	39	.58	571	.12	3	2.35	.02	.07	<2	3
L106N 58+75E	2	117	23	807	1.1	85	32	571	3.27	4	<5	<2	2	27	6.5	<2	<2	126	.59	.259	14	58	.69	868	.12	3	2.08	.02	.09	<2	1
RE L106N 58+75E	2	117	21	809	1.1	84	32	574	3.28	<2	<5	<2	2	27	6.7	2	<2	126	.60	.260	14	59	.70	859	.12	<3	2.06	.02	.10	<2	1
L106N 59+00E	2	75	31	393	1.0	43	10	365	2.90	2	<5	<2	3	13	2.6	3	<2	121	.23	.227	12	38	.48	450	.12	3	1.91	.01	.05	<2	1
L106N 59+25E	3	83	26	354	.8	46	9	358	2.94	2	<5	<2	2	26	1.4	<2	<2	136	.50	.205	12	40	.54	541	.11	3	1.70	.01	.08	<2	1
L106N 59+50E	3	106	26	433	1.2	48	13	717	2.96	3	<5	<2	<2	32	3.5	<2	<2	144	.66	.255	16	41	.59	697	.07	4	1.99	.01	.09	<2	1
L106N 59+75E	3	68	31	461	2.0	38	10	518	2.61	6	<5	<2	<2	26	1.7	<2	<2	138	.54	.229	15	31	.50	302	.09	3	2.10	.01	.06	<2	1
L106N 60+00E	2	28	32	509	.8	24	7	722	2.71	5	<5	<2	2	26	1.7	2	2	102	.41	.218	10	22	.35	350	.12	3	2.51	.02	.07	2	1
L102N 48+00E	2	25	34	652	1.0	42	7	641	2.38	5	<5	<2	3	19	5.9	2	<2	139	.45	.374	15	32	.38	292	.10	3	2.63	.01	.07	7	1
L102N 48+25E	2	28	47	662	.6	37	8	462	2.38	2	<5	<2	3	26	6.0	<2	<2	151	.63	.347	16	33	.61	382	.08	3	2.75	.01	.10	8	1
L102N 48+50E	3	125	54	1577	2.8	135	16	982	3.33	7	<5	<2	3	30	20.7	2	<2	272	.58	.194	26	55	.93	508	.11	3	3.59	.01	.15	<2	4
L102N 48+75E	2	54	52	978	1.5	67	13	1035	2.57	2	<5	<2	3	28	8.7	<2	2	194	.56	.291	17	37	.62	511	.11	<3	2.85	.02	.12	<2	2
L102N 49+00E	2	38	54	943	1.1	66	13	840	2.93	5	<5	<2	3	20	3.9	<2	<2	155	.39	.220	14	34	.62	368	.12	4	2.90	.02	.10	8	2
L102N 49+25E	2	39	82	1159	.8	70	14	647	2.84	5	<5	<2	3	14	2.6	<2	<2	205	.28	.304	14	38	.70	259	.11	3	3.09	.01	.09	2	2
L102N 49+50E	3	45	79	1498	2.0	82	15	486	3.10	<2	<5	<2	4	15	2.7	2	2	222	.30	.240	13	37	.64	217	.13	3	2.77	.01	.08	<2	2
STANDARD C2/AU-R	20	59	40	139	5.8	73	33	1053	3.81	38	17	7	35	50	18.5	13	16	69	.52	.090	38	62	.93	202	.08	28	1.86	.08	.17	14	56

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	Au* ppb
L102N 49+75E	5	150	35	1249	2.0	84	10	271	3.61	8	<5	<2	3	33	6.4	5	<2	282	.60	.113	14	51	.85	279	.15	<3	2.31	.02	.08	5	3
L102N 50+00E	6	104	37	884	2.2	95	16	772	3.54	<2	<5	<2	5	35	4.8	<2	2	346	.74	.484	20	61	1.08	466	.16	3	3.90	.02	.15	<2	1
L102N 52+00E	6	89	32	628	1.7	70	15	462	2.77	10	<5	<2	3	24	3.4	3	<2	285	.46	.260	24	43	.69	275	.11	<3	2.58	.01	.08	<2	1
L102N 52+25E	11	164	34	1222	2.4	210	35	659	4.15	4	11	<2	2	34	8.6	<2	<2	268	.56	.235	18	42	.76	265	.10	3	4.54	.01	.10	<2	2
L102N 52+50E	5	70	30	890	1.2	72	12	813	3.58	4	<5	<2	4	50	8.4	2	<2	357	.73	.270	10	46	.72	439	.18	3	3.37	.03	.09	<2	1
L102N 52+75E	5	100	34	1171	.7	103	31	1051	4.50	<2	7	<2	6	35	8.4	<2	<2	405	.64	.326	13	59	1.30	516	.16	3	3.69	.02	.12	<2	<1
L102N 53+00E	7	92	87	722	2.3	68	22	639	4.40	2	<5	<2	4	30	5.1	<2	3	251	.46	.377	11	46	1.01	283	.14	<3	4.04	.02	.09	<2	<1
L102N 53+25E	7	178	24	824	1.8	89	22	359	4.22	<2	<5	<2	3	21	2.7	<2	<2	311	.34	.242	15	49	.85	196	.15	<3	4.50	.02	.09	<2	1
L102N 53+50E	4	53	27	588	.8	45	10	488	3.31	2	<5	<2	2	20	4.7	<2	2	311	.28	.192	10	49	.82	275	.15	3	2.13	.02	.10	<2	1
L102N 53+75E	6	80	15	562	.9	50	10	377	3.97	<2	<5	<2	4	16	1.4	<2	2	353	.28	.260	9	56	1.05	279	.15	3	2.83	.02	.09	<2	<1
RE L102N 53+75E	7	80	18	578	1.0	52	10	386	4.04	<2	<5	<2	4	17	1.6	<2	<2	365	.29	.264	9	59	1.08	288	.15	3	2.91	.02	.09	<2	<1
L102N 54+00E	6	90	12	516	.9	49	8	232	3.97	<2	<5	<2	3	17	1.3	<2	<2	446	.27	.221	9	78	1.36	507	.15	3	3.20	.01	.07	<2	<1
L102N 54+25E	8	67	26	577	.6	50	8	381	4.79	3	5	<2	4	20	1.1	<2	2	371	.34	.267	9	63	1.27	353	.17	<3	3.31	.02	.08	<2	<1
L102N 54+50E	19	301	20	616	1.8	117	19	292	5.61	<2	11	<2	6	23	2.0	<2	2	194	.16	.273	24	37	.75	164	.13	3	8.10	.01	.09	<2	1
L102N 54+75E	12	140	16	558	1.9	58	14	323	4.35	<2	<5	<2	2	21	1.8	2	<2	312	.27	.143	14	55	1.24	241	.15	<3	3.39	.02	.09	<2	<1
STANDARD C2/AU-S	22	61	43	137	6.4	77	38	1172	3.97	43	23	8	38	53	19.6	16	20	78	.54	.098	43	72	1.04	204	.09	30	2.04	.06	.15	14	46

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	Au* ppb
L103N 41+25E	18	35	46	1033	<.3	31	11	2123	3.58	19	<5	<2	6	24	3.4	3	<2	49	.42	.129	22	24	.43	162	.21	5	5.66	.09	.17	96	87
L103N 41+75E	6	22	139	2566	<.3	62	19	2539	3.92	17	<5	<2	4	19	7.7	<2	3	66	.54	.091	17	44	1.14	157	.20	3	4.21	.04	.16	<2	5
L103N 42+25E	1	29	37	1220	<.3	33	11	1281	3.07	2	<5	<2	5	24	5.2	2	<2	81	.58	.278	15	39	1.58	249	.19	<3	4.73	.03	.13	<2	3
L103N 42+75E	3	28	44	638	<.3	38	9	540	3.13	<2	5	<2	5	14	1.8	4	<2	100	.27	.119	17	42	1.00	177	.17	<3	4.60	.02	.14	7	4
L103N 43+25E	3	23	86	468	.3	34	11	887	2.97	5	<5	<2	5	16	2.3	2	3	94	.32	.150	15	42	.85	280	.13	4	3.82	.02	.18	<2	11
L103N 43+75E	4	20	77	3045	<.3	34	8	1668	2.70	9	<5	<2	3	34	25.4	3	<2	87	1.21	.047	13	37	.72	263	.14	6	3.11	.03	.13	<2	2
L103N 44+25E	1	25	56	710	<.3	35	9	566	3.01	4	<5	<2	9	16	5.5	3	4	94	.30	.099	20	39	.89	230	.17	<3	4.54	.03	.14	<2	1
L103N 44+75E	2	25	62	348	<.3	32	6	495	3.17	5	<5	<2	7	10	.2	2	<2	107	.17	.127	18	40	.76	158	.15	<3	3.69	.01	.13	<2	3
L103N 45+25E	2	33	213	3208	.3	38	12	953	2.92	30	<5	<2	8	27	11.9	5	<2	103	1.28	.117	25	39	1.30	255	.12	<3	2.41	.03	.25	4	5
L103N 45+75E	3	35	180	3935	.5	40	10	1009	2.88	44	<5	<2	8	34	15.0	4	<2	132	.91	.144	26	48	1.21	275	.13	3	2.80	.06	.28	5	9
L103N 46+25E	2	18	68	563	.3	30	8	882	2.83	2	<5	<2	2	13	3.1	<2	3	90	.24	.246	16	33	.57	318	.13	4	3.69	.02	.11	<2	2
L102N 41+00E	6	23	120	1744	.3	45	23	2301	4.58	32	<5	<2	3	22	2.5	2	7	65	.58	.133	14	37	1.17	154	.18	6	3.70	.02	.13	<2	15
L102N 41+25E	<1	24	129	817	<.3	42	17	4165	4.11	4	<5	<2	6	34	5.4	<2	<2	59	1.23	.196	16	45	2.61	285	.19	4	4.64	.04	.10	<2	1
L102N 41+50E	5	16	64	1249	<.3	28	8	1331	3.07	5	<5	<2	4	19	3.1	2	4	75	.45	.105	12	30	.81	187	.20	4	3.74	.03	.13	18	2
L102N 41+75E	3	24	68	1225	<.3	51	15	1033	3.66	3	<5	<2	8	20	2.7	4	<2	69	.77	.199	19	55	2.35	208	.20	<3	4.58	.02	.12	10	1
L102N 42+00E	3	15	43	610	<.3	22	8	1645	3.30	5	<5	<2	5	18	1.8	4	3	60	.30	.215	10	27	.96	229	.20	<3	3.80	.02	.08	105	2
L102N 42+25E	3	13	54	747	<.3	28	11	1009	3.46	8	<5	<2	4	15	3.8	3	5	75	.30	.217	13	35	.63	200	.18	3	3.11	.02	.14	4	1
L102N 42+50E	5	20	74	807	<.3	19	13	1848	3.29	10	<5	<2	<2	23	7.2	4	3	62	.62	.158	15	31	.47	280	.15	3	2.68	.02	.18	<2	2
L102N 42+75E	5	32	76	4249	<.3	30	8	1206	2.41	45	<5	<2	3	49	57.7	<2	<2	65	2.43	.069	19	36	.61	234	.11	9	2.79	.03	.12	<2	4
L102N 43+00E	4	20	73	653	.5	22	8	1947	2.57	5	<5	<2	<2	20	7.8	<2	5	102	.44	.116	19	30	.66	286	.12	3	2.61	.02	.11	<2	2
L102N 43+25E	3	24	41	539	.5	32	8	438	2.80	5	<5	<2	6	20	5.6	<2	<2	117	.58	.057	18	39	.63	277	.16	4	4.10	.03	.09	<2	1
RE L102N 43+25E	2	25	50	559	.6	34	8	447	2.88	2	<5	<2	5	20	5.4	<2	3	122	.61	.059	19	40	.65	280	.17	<3	4.28	.03	.10	<2	1
L102N 43+50E	2	16	53	379	<.3	27	8	675	2.84	<2	<5	<2	4	14	2.8	2	2	109	.29	.167	13	33	.58	259	.15	3	3.11	.02	.09	<2	1
L102N 43+75E	2	20	54	478	<.3	35	10	673	2.60	<2	<5	<2	4	15	4.5	3	4	127	.38	.104	15	35	.67	235	.12	4	2.74	.02	.10	<2	<1
L102N 44+00E	2	15	64	659	.3	24	10	1109	2.98	6	<5	<2	3	11	3.1	<2	<2	103	.26	.223	11	32	.53	250	.15	3	3.70	.02	.08	<2	2
L102N 44+25E	2	19	44	513	.4	30	9	662	2.82	15	<5	<2	4	12	1.6	<2	3	104	.23	.168	13	29	.53	221	.14	3	3.55	.02	.09	<2	2
L102N 44+50E	2	19	78	935	<.3	21	10	2410	3.04	15	<5	<2	3	13	2.8	<2	<2	98	.21	.191	12	30	.53	245	.15	<3	2.66	.02	.08	<2	1
L102N 45+00E	3	15	93	2849	.3	29	11	1321	3.44	78	<5	<2	3	14	6.6	<2	4	96	.29	.091	15	37	.80	228	.15	8	3.73	.02	.11	<2	3
L102N 45+25E	3	36	217	944	.6	30	10	3079	3.76	106	<5	<2	4	19	4.6	<2	<2	127	.77	.110	26	29	2.15	321	.13	8	3.33	.02	.11	4	4
L102N 45+50E	7	25	95	1018	<.3	38	10	2308	3.73	61	<5	<2	2	15	3.5	<2	2	145	.43	.115	16	46	1.78	336	.14	8	3.77	.02	.12	2	2
L102N 45+75E	2	18	48	384	<.3	27	9	637	2.57	3	<5	<2	3	13	1.4	4	<2	99	.24	.161	13	32	.56	352	.12	3	2.61	.02	.11	<2	1
L102N 46+00E	3	33	65	1191	.3	39	10	1054	3.02	<2	<5	<2	4	19	8.6	<2	3	122	.49	.114	20	51	.71	444	.15	3	3.93	.02	.15	<2	2
L102N 46+25E	2	24	50	643	.7	30	8	744	2.61	<2	<5	<2	3	12	4.7	<2	<2	109	.24	.214	16	33	.57	295	.13	6	2.87	.02	.11	<2	1
L102N 46+50E	1	21	59	1315	.3	35	8	690	2.73	3	<5	<2	4	14	7.0	<2	4	120	.33	.194	17	41	.65	341	.13	<3	3.29	.02	.11	<2	1
L101N 41+25E	3	14	333	687	<.3	42	14	1771	3.37	<2	<5	<2	5	16	4.1	<2	4	55	.32	.118	12	27	1.19	224	.19	3	4.22	.03	.11	<2	1
STANDARD C2/AU-S	20	60	40	143	6.4	75	34	1202	4.03	41	23	7	36	53	20.6	17	21	73	.53	.088	40	66	1.02	200	.08	29	2.06	.07	.14	10	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	Au* ppb
L101N 41+75E	29	20	133	765	<.3	30	13	2528	3.51	4	<5	<2	4	19	5.1	<2	4	47	.52	.096	12	27	.99	166	.20	4	3.97	.03	.10	246	3
L101N 42+25E	20	20	18	512	<.3	17	9	1205	3.95	11	<5	<2	6	12	1.9	5	<2	61	.25	.093	19	58	.89	118	.25	<3	1.99	.02	.29	26	1
L101N 42+75E	74	62	82	926	.3	23	20	6219	5.31	11	7	<2	4	27	4.4	<2	23	51	.74	.167	10	26	1.29	280	.15	<3	2.96	.02	.12	225	35
L101N 43+25E	4	12	228	3001	<.3	34	10	2209	4.31	20	<5	<2	7	26	18.6	2	2	86	.64	.214	17	40	2.74	205	.18	4	4.68	.03	.11	2	2
L101N 43+75E	6	17	81	1615	<.3	33	20	1146	3.92	9	<5	<2	4	17	3.0	<2	<2	94	.31	.102	16	50	.99	220	.17	4	3.32	.02	.13	<2	1
L101N 44+25E	2	21	234	5516	.4	34	11	838	3.38	22	<5	<2	9	19	15.6	3	<2	104	.87	.079	32	44	1.73	228	.13	5	3.30	.02	.12	3	3
L101N 44+75E	1	25	82	472	<.3	34	11	668	2.71	13	<5	<2	5	17	2.6	2	<2	107	.44	.150	19	36	.82	257	.14	3	3.39	.02	.12	<2	3
L101N 45+25E	3	19	106	1283	<.3	34	12	1564	3.54	125	<5	<2	3	15	5.2	<2	4	130	.33	.125	14	35	.98	283	.15	4	4.11	.02	.08	<2	1
L101N 45+75E	1	20	63	486	<.3	26	11	1645	2.93	12	<5	<2	4	18	6.0	2	<2	93	.31	.175	15	34	.58	670	.14	<3	2.68	.02	.14	<2	1
L100N 41+00E	2	14	684	1600	<.3	33	13	1847	3.68	7	<5	<2	9	28	7.4	<2	<2	63	.73	.101	21	37	4.52	238	.18	9	4.15	.03	.13	<2	4
L100N 41+25E	2	16	368	817	<.3	29	10	1039	2.93	3	<5	<2	7	21	4.3	3	2	65	.94	.173	23	33	.90	228	.12	<3	2.97	.02	.12	11	2
L100N 41+50E	7	13	572	1631	<.3	39	13	1540	3.52	6	<5	<2	6	21	5.7	3	2	75	.57	.097	14	43	1.22	248	.19	4	4.01	.03	.17	<2	1
L100N 41+75E	11	15	275	1060	<.3	36	11	1449	3.62	5	<5	<2	4	21	2.7	5	<2	76	.58	.157	15	42	1.71	170	.19	5	4.57	.03	.11	7	2
L100N 42+00E	1	11	199	753	.3	17	4	3411	3.59	12	<5	<2	6	80	9.0	10	<2	62	12.00	.199	26	21	7.81	191	.10	3	2.82	.02	.08	<2	<1
L100N 42+25E	2	11	761	1809	.5	16	7	799	2.99	6	<5	<2	2	14	4.7	<2	4	61	.32	.153	8	21	.48	176	.17	<3	4.07	.03	.07	<2	<1
L100N 42+50E	20	32	5151	6226	2.0	51	7	1083	14.41	54	<5	<2	5	18	77.5	3	<2	102	1.07	.068	19	27	2.35	191	.12	<3	2.60	.02	.09	8	7
L100N 42+75E	<1	10	162	1945	.3	16	4	1223	2.05	4	<5	<2	3	36	12.4	<2	3	33	2.67	.160	13	15	1.07	276	.14	6	3.08	.04	.10	<2	<1
L100N 43+00E	2	17	2141	3849	.9	25	10	1214	3.39	8	<5	<2	4	18	12.1	5	3	86	.42	.116	16	30	.87	207	.18	3	4.55	.03	.08	<2	5
L100N 43+25E	1	16	774	2050	.6	36	11	435	3.45	5	<5	<2	6	15	7.3	4	2	88	.36	.082	19	43	1.25	235	.17	<3	4.47	.02	.12	<2	2
L100N 43+50E	<1	15	162	7220	.3	19	6	3349	4.45	16	<5	<2	5	161	60.7	4	<2	49	9.75	.085	34	19	5.97	215	.10	13	3.10	.02	.06	<2	<1
L100N 43+75E	<1	19	451	4049	.7	34	11	2234	4.15	8	<5	<2	5	50	25.5	11	2	81	2.98	.083	28	41	4.37	235	.15	4	3.91	.02	.12	2	3
L100N 44+00E	1	13	368	2516	<.3	38	9	1866	3.45	15	<5	<2	6	39	12.3	41	2	108	2.82	.157	18	36	2.73	313	.13	6	3.46	.02	.10	<2	1
L100N 44+25E	1	18	95	739	<.3	70	13	602	3.12	4	<5	<2	5	17	4.8	3	<2	78	.42	.178	14	41	1.20	221	.18	<3	4.84	.03	.13	<2	<1
RE L100N 44+25E	1	17	96	709	<.3	67	13	579	3.05	8	<5	<2	5	16	4.6	3	<2	75	.39	.177	13	40	1.15	229	.18	8	4.61	.03	.12	<2	<1
L100N 44+50E	1	19	212	924	.3	58	10	971	3.28	2	<5	<2	5	20	5.4	<2	2	99	.85	.342	21	36	1.40	175	.19	3	5.18	.03	.11	<2	<1
L100N 44+75E	<1	17	323	943	<.3	27	10	2971	2.15	7	<5	<2	4	30	9.3	<2	<2	79	2.13	.479	17	29	1.35	423	.15	6	3.49	.02	.11	<2	1
L100N 45+00E	1	16	71	333	<.3	26	10	1020	2.63	<2	<5	<2	4	14	2.1	<2	<2	70	.40	.146	13	29	.70	206	.16	8	4.17	.02	.09	<2	1
L100N 45+25E	<1	12	83	510	<.3	24	8	2610	2.22	4	<5	<2	2	15	6.1	2	2	52	.71	.278	14	25	.77	235	.13	5	3.14	.02	.07	<2	<1
L100N 45+50E	1	21	59	364	<.3	37	11	818	3.08	5	<5	<2	5	13	3.1	3	6	81	.24	.124	16	45	.82	215	.17	<3	4.56	.02	.10	<2	2
L100N 45+75E	<1	25	78	416	<.3	57	13	955	3.13	2	<5	<2	6	27	2.8	<2	7	90	.73	.221	23	69	1.43	380	.17	<3	4.01	.03	.14	<2	1
L100N 46+00E	1	18	137	547	<.3	40	11	602	3.19	16	<5	<2	6	14	1.9	<2	2	103	.42	.215	15	36	.89	217	.15	4	4.25	.02	.11	<2	58
L100N 46+25E	1	17	69	462	.6	31	10	411	2.85	6	<5	<2	5	18	3.7	2	2	89	.39	.097	16	34	.72	263	.16	5	4.76	.02	.09	<2	<1
L100N 46+50E	1	17	72	427	<.3	54	13	1027	2.82	3	<5	<2	7	15	3.8	3	5	131	.72	.204	28	41	1.45	257	.16	6	4.65	.03	.10	<2	1
L99N 41+25E	10	17	444	1293	<.3	30	12	2006	3.18	<2	<5	<2	5	27	8.2	<2	3	66	.72	.142	16	38	1.40	262	.17	<3	3.67	.04	.13	3	1
L99N 44+25E	<1	19	888	1507	.6	26	9	1663	2.72	9	<5	<2	4	18	6.9	3	3	76	.69	.153	17	33	.87	223	.16	8	4.24	.02	.10	<2	17
STANDARD C2/AU-S	20	61	42	147	6.4	75	37	1203	3.98	44	20	8	35	54	20.7	17	23	73	.53	.090	41	66	1.02	212	.08	26	2.08	.07	.15	12	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	Au* ppb
L99N 44+75E	1	44	73	348	.3	37	11	400	2.82	7	<5	<2	7	27	1.1	<2	4	77	.72	.084	28	33	.92	338	.19	<3	5.07	.04	.13	<2	5
L99N 45+25E	1	23	107	369	<.3	24	9	1259	2.44	6	<5	<2	<2	19	2.8	<2	8	67	.69	.174	19	29	1.22	205	.12	7	3.56	.02	.10	<2	3
L99N 45+75E	1	31	75	378	<.3	29	13	410	3.06	12	<5	<2	6	14	1.7	<2	5	90	.30	.086	17	37	.90	243	.17	<3	4.65	.02	.10	<2	2
L99N 46+25E	1	17	139	501	<.3	26	10	1879	2.72	13	<5	<2	4	18	2.1	<2	4	89	.65	.403	13	33	1.09	296	.14	<3	3.34	.02	.09	<2	<1
RE L99N 46+25E	1	17	148	517	<.3	25	10	1976	2.79	15	<5	<2	4	18	2.4	2	7	91	.66	.411	13	33	1.11	310	.14	<3	3.42	.02	.10	<2	2
L98N 41+00E	3	20	772	1381	.6	18	8	1043	3.12	26	<5	<2	2	67	6.2	9	<2	33	13.62	.093	14	14	7.30	86	.07	6	1.56	.02	.07	<2	6
L98N 41+25E	8	30	829	1395	1.5	28	10	1335	4.52	89	<5	<2	4	81	6.4	23	13	73	8.42	.073	18	25	4.67	158	.11	3	2.56	.02	.09	<2	15
L98N 41+50E	1	17	334	1301	.4	38	13	1640	4.02	3	<5	<2	5	26	7.4	<2	9	108	1.09	.189	22	32	1.56	234	.19	4	4.75	.03	.09	<2	1
L98N 41+75E	1	25	623	1434	<.3	40	10	1685	3.23	10	<5	<2	2	35	10.7	2	3	93	1.86	.173	16	30	1.46	265	.12	10	3.35	.02	.13	<2	2
L98N 42+00E	1	15	202	807	<.3	30	12	972	3.03	3	<5	<2	5	17	4.6	3	6	75	.49	.154	14	32	.80	241	.16	<3	3.61	.02	.11	<2	2
L98N 42+25E	<1	15	127	966	<.3	22	7	748	2.87	14	<5	<2	5	16	5.2	<2	<2	62	.66	.262	11	25	1.10	226	.17	6	4.23	.03	.10	<2	1
L98N 42+50E	<1	18	195	892	<.3	36	12	879	3.25	2	<5	<2	7	24	6.1	<2	8	96	.94	.111	26	36	1.33	264	.20	5	5.24	.03	.13	<2	3
L98N 42+75E	<1	16	185	631	<.3	43	9	1312	2.90	14	<5	<2	6	21	5.3	<2	9	100	1.10	.228	21	41	1.38	217	.18	6	4.69	.03	.14	<2	2
L98N 43+00E	1	21	108	412	<.3	43	14	1001	3.05	5	<5	<2	5	14	1.6	<2	6	85	.39	.122	19	47	1.14	238	.16	<3	3.89	.02	.11	<2	3
L98N 43+25E	1	23	160	357	<.3	28	10	1897	2.32	7	<5	<2	<2	25	4.5	<2	2	65	1.93	.251	17	41	1.23	270	.14	7	2.91	.02	.11	4	1
L98N 43+50E	<1	21	66	384	<.3	28	10	402	2.78	3	<5	<2	5	13	1.5	<2	3	73	.30	.131	14	32	.67	234	.16	<3	4.39	.02	.09	<2	2
L98N 43+75E	1	18	115	449	<.3	21	9	1850	2.55	9	<5	<2	3	16	2.5	<2	2	65	.55	.257	15	30	.91	201	.14	4	3.68	.02	.09	<2	<1
L98N 44+00E	1	17	57	277	<.3	23	10	682	2.58	7	<5	<2	3	19	1.3	<2	<2	60	.37	.148	9	28	.51	219	.17	<3	4.20	.02	.08	<2	<1
L98N 44+25E	1	22	372	666	.3	30	10	2026	2.81	27	<5	<2	5	17	3.7	3	<2	89	.58	.345	16	34	1.25	260	.16	6	4.35	.02	.11	<2	34
L98N 44+50E	1	22	181	425	<.3	14	5	1952	1.65	11	<5	<2	<2	27	4.5	2	3	47	2.08	.159	11	19	.81	178	.09	6	1.99	.02	.10	4	2
L98N 44+75E	1	23	172	529	<.3	27	7	1608	2.30	13	<5	<2	2	20	4.2	<2	8	67	.83	.238	16	24	.91	179	.14	3	3.46	.02	.09	<2	1
L98N 45+00E	1	27	460	649	1.2	19	6	2169	1.77	21	<5	<2	<2	48	5.1	<2	5	54	7.80	.303	13	17	3.30	206	.08	9	2.32	.02	.10	<2	2
L98N 45+25E	1	31	483	883	.6	28	7	2582	2.47	15	<5	<2	<2	36	5.1	2	4	77	1.95	.316	17	25	1.27	201	.12	6	3.11	.02	.12	<2	2
L98N 45+50E	1	29	250	742	.3	42	12	1803	3.10	11	<5	<2	4	26	5.6	5	3	123	1.70	.259	22	51	3.15	236	.17	7	4.07	.02	.13	<2	<1
L98N 45+75E	1	25	279	629	.6	36	7	1958	2.24	14	<5	<2	<2	43	6.1	3	8	114	5.65	.348	20	31	3.14	160	.10	9	3.25	.02	.10	<2	3
L98N 46+00E	1	32	192	792	.4	47	11	1160	2.82	12	5	<2	5	24	4.2	<2	8	139	1.34	.419	24	43	2.35	281	.15	<3	4.07	.02	.15	<2	2
L98N 46+25E	1	28	127	541	<.3	43	8	1421	2.33	17	<5	<2	2	36	5.0	2	<2	73	2.54	.299	21	24	1.50	292	.10	6	3.18	.03	.13	<2	1
L98N 46+50E	1	26	107	480	<.3	35	10	2724	2.60	16	<5	<2	6	30	4.0	<2	7	86	1.95	.534	18	34	.77	441	.14	<3	3.61	.03	.16	<2	1
STANDARD C2/AU-S	20	60	35	135	6.1	67	37	1146	3.81	41	18	7	34	51	19.6	19	23	69	.56	.088	38	63	.96	204	.08	25	1.97	.07	.14	12	47

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 # 96-2723 Page 2

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	Au* ppb
L99N 41+75E	3	17	723	1328	.3	31	10	434	3.57	13	9	<2	6	27	6.8	5	3	75	.72	.102	20	31	.79	188	.20	4	5.22	.04	.12	<2	2
L99N 42+25E	<1	14	750	1875	<.3	21	10	929	2.87	9	<5	<2	5	31	20.5	3	2	55	.90	.503	19	23	.62	205	.14	6	4.77	.05	.11	<2	2
L99N 42+75E	<1	11	1747	3891	.4	36	12	794	3.89	19	6	<2	6	20	8.5	17	2	117	.71	.142	18	42	1.18	173	.14	5	4.50	.03	.13	<2	3
L99N 43+25E	<1	16	480	1226	<.3	42	12	874	3.72	15	12	<2	6	27	7.6	6	<2	90	1.09	.156	23	46	1.21	273	.20	8	4.89	.04	.18	<2	3
L99N 43+75E	<1	16	791	993	.6	47	13	753	3.04	27	8	<2	5	23	5.7	<2	2	88	1.09	.145	20	38	1.85	188	.14	6	4.21	.03	.18	<2	4
RE L99N 43+75E	2	17	793	999	.5	46	13	745	3.05	28	<5	<2	5	23	5.8	2	<2	90	1.11	.149	20	40	1.87	189	.15	3	4.23	.03	.18	<2	4
STANDARD C2/AU-S	18	57	38	131	6.1	70	36	1120	3.89	42	24	5	34	51	20.1	16	17	70	.54	.095	40	64	1.02	179	.07	33	2.06	.06	.15	11	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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 1996 **DATE REPORT MAILED:** July 17/96 **SIGNED BY** D. Toye ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L111N 49+75E	6	54	38	1377	1.6	127	15	1402	3.33	5	10	<2	4	28	7.7	<2	2	157	.41	.133	23	57	.84	491	.14	3	3.82	.02	.12	<2	2
L111N 50+25E	4	29	22	531	.3	35	9	1021	2.72	4	<5	<2	8	20	4.0	<2	<2	103	.27	.124	18	27	.65	310	.13	3	3.12	.02	.11	<2	7
L111N 50+75E	1	23	27	818	.4	40	10	1121	2.84	6	<5	<2	4	18	8.3	2	2	102	.23	.577	7	25	.30	438	.19	3	3.76	.02	.08	<2	4
L109N 49+75E	4	87	34	1718	1.0	148	15	863	3.30	9	<5	<2	7	35	16.8	<2	<2	249	.51	.071	23	60	1.40	341	.14	<3	3.01	.02	.10	<2	13
L109N 50+25E	1	32	43	1020	.3	58	16	866	3.08	4	<5	<2	5	29	10.8	<2	<2	147	.41	.270	13	41	.63	439	.17	3	2.68	.02	.11	<2	4
L109N 50+75E	8	60	49	885	.7	60	11	238	3.80	9	<5	<2	6	42	3.9	2	3	314	.28	.545	12	48	.92	564	.17	3	3.68	.01	.13	<2	5
L108N 49+50E	3	54	29	1907	1.8	192	18	2769	3.87	5	<5	<2	5	36	26.0	<2	5	173	.44	.277	17	58	.60	572	.18	3	4.64	.02	.11	<2	6
L108N 49+75E	3	78	58	1673	1.1	166	16	406	3.40	8	<5	<2	6	29	5.8	<2	<2	264	.52	.167	17	60	1.25	434	.16	4	3.56	.01	.10	<2	9
L108N 50+00E	2	40	27	1354	.8	81	16	658	3.55	6	<5	<2	6	25	7.6	2	2	208	.34	.468	13	41	.85	566	.18	4	3.67	.02	.12	<2	3
L108N 50+25E	2	55	33	1639	1.9	116	17	899	3.38	3	<5	<2	5	23	9.1	2	5	210	.33	.267	17	56	.72	567	.18	5	3.49	.02	.11	<2	3
RE L108N 50+25E	2	54	35	1635	1.9	121	18	888	3.43	5	<5	<2	5	23	8.8	<2	<2	218	.32	.273	16	57	.74	565	.18	3	3.49	.02	.10	<2	4
L108N 50+50E	2	49	35	1777	.8	149	16	601	3.54	7	<5	<2	6	20	11.5	<2	<2	192	.26	.282	13	61	.66	469	.21	3	4.71	.02	.11	<2	3
L108N 50+75E	2	90	87	2267	1.2	183	39	1698	3.91	7	<5	<2	6	42	17.4	<2	5	176	.53	.277	30	55	1.05	725	.18	5	4.36	.02	.16	<2	7
L108N 51+00E	3	96	111	2528	.9	142	25	1615	3.89	7	<5	<2	4	41	15.0	<2	<2	261	.55	.150	22	67	1.09	564	.17	4	4.26	.02	.14	<2	3
L107N 50+75E	2	23	42	873	.5	77	13	476	3.55	9	<5	<2	5	14	2.7	<2	<2	140	.20	.280	12	48	.65	269	.18	3	3.56	.02	.10	<2	1
STANDARD C2/AU-S	21	61	40	144	6.6	81	38	1196	4.04	42	17	8	38	56	20.0	14	21	75	.56	.099	42	69	1.03	215	.09	30	2.09	.07	.16	16	51

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

Sultan Minerals PROJECT JERSEY/POSIE FILE # 96-3396

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L63N 41+50E	16	232	82	1683	1.9	123	32	1067	4.87	26	15	<2	<2	58	24.6	2	2	285	.74	.542	8	36	.36	474	.08	4	3.60	.02	.10	<2	3
L63N 42+00E	12	190	69	2291	2.5	164	27	574	4.89	16	11	<2	<2	52	22.2	<2	2	306	.75	.663	10	34	.53	450	.09	<3	4.08	.02	.08	<2	2
L63N 42+50E	17	142	56	1691	3.5	147	19	630	5.94	16	13	<2	<2	83	9.5	<2	<2	406	.83	.600	10	38	.50	656	.12	3	4.42	.01	.10	<2	1
L63N 43+00E	34	241	49	1522	2.6	176	19	668	7.84	17	18	<2	4	57	8.9	<2	<2	386	.46	.598	7	34	.45	430	.10	<3	5.64	.01	.08	<2	1
L63N 43+50E	15	326	35	1525	3.6	143	33	448	5.22	7	9	<2	2	34	11.2	<2	<2	302	.40	.358	10	29	.41	160	.14	<3	4.38	.02	.07	<2	2
L63N 44+00E	10	66	23	1492	.9	97	15	619	5.94	2	6	<2	2	48	9.0	<2	<2	303	.57	.461	6	33	.60	199	.15	<3	4.63	.02	.08	<2	1
L63N 44+50E	11	89	25	2026	2.1	126	18	429	3.72	<2	10	<2	<2	18	4.0	<2	<2	307	.22	.240	11	28	.43	186	.17	<3	3.92	.02	.06	<2	<1
L63N 45+00E	14	74	28	2205	.8	146	27	698	5.52	3	<5	<2	<2	32	11.4	<2	<2	381	.46	.206	10	31	.46	246	.14	3	3.41	.02	.09	<2	<1
L63N 45+50E	7	66	39	1549	1.2	94	21	672	3.95	5	<5	<2	<2	28	7.0	<2	<2	322	.31	.098	13	45	.85	209	.18	<3	2.96	.02	.10	<2	<1
L63N 46+00E	3	18	21	1185	.3	38	12	952	2.55	4	<5	<2	<2	28	11.7	<2	2	69	.34	.179	6	17	.28	438	.17	4	2.16	.03	.09	<2	1
L63N 46+50E	4	40	10	1108	.3	95	10	207	2.49	6	6	<2	4	23	4.4	<2	<2	177	.33	.104	12	27	.46	281	.13	4	2.78	.02	.08	<2	2
L63N 47+00E	3	15	15	684	<.3	37	10	1088	2.38	2	<5	<2	<2	32	7.0	<2	<2	89	.40	.160	6	17	.31	370	.16	3	2.49	.02	.06	<2	<1
L61N 42+00E	11	328	89	2872	2.1	248	65	1054	7.15	23	14	<2	<2	60	43.2	2	3	278	1.20	.625	7	38	.80	127	.07	5	4.04	.03	.09	<2	4
L61N 42+50E	6	38	26	1573	<.3	92	13	431	3.02	4	<5	<2	<2	25	6.2	<2	3	109	.40	.251	7	22	.37	184	.15	4	3.17	.02	.07	<2	1
L61N 43+00E	7	42	28	1090	.3	56	18	1279	3.17	2	<5	<2	<2	23	9.6	<2	3	136	.32	.204	7	19	.33	241	.14	3	2.41	.02	.08	<2	2
L61N 43+50E	4	24	18	916	.9	47	10	586	2.62	4	<5	<2	<2	16	6.4	<2	3	87	.18	.173	7	20	.31	230	.15	3	2.63	.02	.06	<2	1
RE L61N 43+50E	3	24	16	902	.8	47	10	580	2.61	2	<5	<2	<2	16	6.3	<2	2	87	.18	.172	8	20	.31	225	.15	4	2.59	.02	.06	<2	1
L61N 44+00E	5	22	13	1069	.3	51	13	621	2.62	4	<5	<2	2	21	5.9	<2	<2	88	.29	.194	7	16	.30	176	.13	4	2.82	.02	.07	<2	3
L61N 44+50E	6	42	12	950	<.3	110	17	418	2.79	<2	<5	<2	4	30	3.8	<2	2	128	.40	.089	13	24	.50	253	.16	5	3.87	.02	.09	12	<1
L61N 45+00E	7	36	26	778	<.3	68	13	517	3.41	<2	6	<2	<2	21	3.0	<2	<2	125	.30	.104	12	32	.80	165	.17	4	2.62	.02	.09	10	<1
L61N 45+50E	7	26	12	563	<.3	67	10	302	2.76	<2	<5	<2	2	17	1.5	<2	<2	81	.25	.107	9	21	.35	126	.12	3	3.42	.01	.06	6	<1
L61N 46+00E	3	19	38	750	<.3	31	11	1057	2.25	7	<5	<2	<2	21	5.8	<2	2	78	.31	.157	7	17	.27	264	.12	3	1.72	.02	.08	<2	<1
L61N 46+50E	6	28	9	1157	<.3	113	15	514	3.14	<2	9	<2	4	21	2.4	<2	2	125	.28	.213	8	21	.38	314	.15	3	3.89	.02	.07	11	<1
L61N 47+00E	8	47	35	1066	<.3	90	17	801	3.51	5	5	<2	<2	30	8.4	<2	<2	134	.42	.282	8	19	.37	307	.09	3	2.49	.01	.08	12	1
STANDARD C2/AU-S	20	59	37	138	6.1	74	36	1114	3.74	45	16	7	31	49	19.9	16	17	70	.53	.104	38	63	.94	190	.07	27	1.93	.06	.13	14	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	Au* ppb
L58N 36+50E	21	313	45	4149	4.4	216	27	705	4.09	45	13	<2	5	153	38.3	15	<2	642	1.68	.450	6	50	2.19	390	.09	6	5.00	.01	.21	<2	8
L58N 36+75E	5	48	15	1768	.9	115	10	623	2.81	22	<5	<2	3	46	14.3	3	<2	202	.45	.381	6	27	.97	336	.19	5	4.37	.02	.11	<2	2
L58N 37+00E	4	35	14	1437	.8	89	11	1070	2.67	12	<5	<2	2	32	14.7	<2	<2	162	.37	.195	7	22	1.00	384	.18	4	3.67	.03	.10	<2	<1
L58N 37+25E	6	60	11	1464	.8	172	14	433	2.89	14	<5	<2	2	41	7.7	<2	<2	152	.49	.148	13	21	.86	244	.19	5	5.27	.03	.10	<2	4
L58N 37+50E	6	31	13	1192	.3	118	12	616	3.08	9	<5	<2	3	32	7.3	3	2	188	.32	.074	6	24	1.05	262	.19	3	4.33	.03	.09	<2	<1
L58N 37+75E	5	58	11	2802	.5	339	13	660	2.65	7	11	<2	3	34	23.3	4	<2	150	.40	.134	9	21	.60	125	.18	3	4.47	.04	.08	<2	<1
L58N 38+00E	3	35	25	1802	.6	81	9	1273	2.60	9	<5	<2	3	47	18.8	4	<2	323	.57	.466	7	39	.90	462	.16	4	3.22	.03	.10	<2	1
L58N 38+25E	4	61	17	1573	1.6	106	12	505	3.09	4	<5	<2	4	43	15.4	<2	<2	336	.67	.424	9	44	1.15	263	.18	3	4.34	.03	.10	<2	<1
L58N 38+50E	3	55	15	1172	.4	100	12	624	3.07	5	<5	<2	5	66	24.9	<2	<2	279	.98	.683	9	45	1.25	462	.17	4	4.51	.04	.12	<2	1
L58N 38+75E	2	90	10	1434	1.1	135	15	714	3.22	4	<5	<2	3	56	22.7	<2	<2	309	.99	.445	12	49	1.35	219	.16	4	4.72	.04	.13	<2	1
L58N 39+00E	3	67	12	1557	.5	120	13	611	3.08	6	<5	<2	4	53	21.0	<2	<2	338	.88	.458	11	52	1.41	290	.16	3	4.50	.04	.11	<2	2
L58N 39+25E	4	51	10	1882	1.2	128	12	713	2.96	3	<5	<2	3	44	12.1	<2	<2	253	.70	.261	12	39	.95	201	.15	5	4.02	.03	.12	<2	1
L58N 39+50E	5	42	13	1970	.4	138	10	732	2.79	3	<5	<2	4	28	13.6	2	<2	232	.48	.260	11	32	.82	204	.16	4	3.87	.02	.12	<2	1
L58N 39+75E	3	30	16	1535	.5	81	10	1149	2.62	6	<5	<2	3	34	24.0	<2	2	168	.36	.180	10	27	.62	394	.17	5	3.35	.02	.10	<2	1
L58N 40+00E	7	117	4	2309	1.4	170	22	702	3.69	4	<5	<2	4	37	12.2	2	<2	398	.56	.291	10	37	.76	277	.15	4	4.31	.01	.09	5	1
L57N 36+25E	7	61	21	1726	.9	81	9	1162	2.35	11	<5	<2	2	49	15.5	4	2	222	.45	.220	7	27	1.11	623	.13	4	2.73	.02	.14	<2	1
L57N 36+75E	3	28	12	1743	.6	118	9	574	2.59	11	<5	<2	3	43	18.2	3	<2	126	.49	.211	9	20	.59	331	.18	5	4.34	.04	.10	<2	1
L57N 37+25E	6	72	35	2209	2.0	114	13	772	3.41	8	<5	<2	3	89	16.9	3	<2	581	1.10	.577	6	59	1.74	450	.13	5	3.91	.02	.15	<2	2
L57N 37+75E	3	57	19	1252	2.5	86	13	461	3.05	6	<5	<2	4	46	8.7	<2	<2	285	.72	.369	12	39	.97	334	.17	4	4.46	.02	.12	<2	1
RE L57N 37+75E	3	57	23	1219	2.6	80	11	450	3.04	11	<5	<2	4	46	8.4	<2	<2	277	.68	.375	12	40	.98	340	.18	4	4.49	.02	.11	<2	2
L57N 38+25E	4	74	27	1630	1.2	122	15	527	3.65	5	<5	<2	4	50	13.4	<2	<2	336	.79	.260	13	53	1.34	213	.17	4	4.47	.03	.15	<2	1
L57N 38+75E	5	67	10	1319	.6	113	17	1144	4.11	5	<5	<2	5	44	10.3	<2	<2	330	.76	.299	10	58	1.65	308	.16	5	4.53	.02	.14	<2	1
L57N 39+25E	4	26	23	1563	.5	92	9	602	2.70	5	<5	<2	5	19	9.9	<2	2	154	.23	.125	13	31	.68	232	.16	3	3.03	.02	.12	<2	1
L57N 39+75E	4	28	23	2223	.4	159	7	545	2.62	6	<5	<2	5	19	9.0	3	2	129	.29	.147	11	30	.59	207	.17	4	3.61	.03	.10	<2	<1
L57N 40+25E	5	46	18	1710	.4	98	12	427	2.45	13	<5	<2	3	22	12.7	4	<2	258	.37	.116	15	36	1.52	260	.10	4	2.62	.02	.14	<2	3
L56N 35+00E	8	105	14	1314	1.3	108	12	700	3.33	24	<5	<2	3	66	12.7	2	<2	284	.50	.329	7	32	1.35	979	.14	3	3.43	.02	.13	<2	2
L56N 35+25E	14	54	37	2450	.7	171	16	1224	4.36	43	<5	<2	5	36	41.1	9	<2	191	.38	.361	16	28	.88	872	.13	5	2.97	.02	.13	<2	2
L56N 35+50E	4	39	16	1343	.3	80	10	498	2.53	8	<5	<2	3	37	11.2	2	<2	167	.35	.411	8	26	.95	794	.14	3	3.21	.03	.13	<2	1
L56N 35+75E	7	94	32	2109	1.0	129	21	1349	2.73	10	5	<2	3	75	20.4	10	<2	258	.79	.360	9	32	1.53	889	.12	3	3.43	.02	.14	<2	1
L56N 36+00E	14	82	19	1431	1.4	118	17	670	3.65	44	<5	<2	4	64	8.4	4	<2	320	.54	.285	6	33	1.70	552	.13	<3	3.58	.01	.14	<2	1
L56N 36+25E	5	73	22	2371	1.2	222	18	810	2.71	20	7	<2	2	39	16.8	3	<2	182	.54	.267	10	29	.88	331	.13	<3	3.29	.02	.10	<2	1
L56N 36+50E	4	58	31	1151	.8	79	10	409	2.71	13	<5	<2	4	33	11.4	3	<2	231	.61	.463	10	36	.98	347	.12	4	3.36	.02	.15	<2	1
L56N 36+75E	2	28	10	1272	.4	49	6	449	2.35	9	<5	<2	10	36	17.7	2	<2	135	.50	.790	9	25	.57	495	.16	4	4.09	.03	.11	<2	<1
L56N 37+00E	2	59	17	1092	.8	73	10	523	2.31	7	<5	<2	3	71	18.1	<2	<2	235	.86	.513	12	37	1.00	640	.13	3	3.62	.03	.15	<2	1
L56N 37+25E	3	27	35	1549	.3	46	11	2188	2.36	5	<5	<2	<2	97	33.8	<2	<2	206	1.01	.553	8	35	.84	1121	.12	5	2.94	.04	.16	<2	<1
STANDARD C2/AU-S	22	61	40	139	6.8	81	36	1225	4.19	42	18	8	36	57	20.2	19	21	72	.59	.103	44	67	1.05	215	.09	31	2.14	.07	.17	15	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	Au* ppb
L56N 37+50E	5	89	37	2034	.9	124	21	773	3.80	<2	7	<2	<2	106	17.4	3	4	402	1.48	.442	7	44	1.26	334	.11	5	3.85	.02	.12	<2	12
L56N 37+75E	3	46	14	1661	<.3	100	14	858	3.28	3	<5	<2	3	53	16.8	<2	2	325	.69	.313	8	44	1.20	320	.18	5	4.27	.03	.11	<2	3
L56N 38+00E	3	40	23	2015	.3	91	11	1279	3.15	3	<5	<2	3	68	16.9	<2	2	305	.88	.426	7	43	1.18	481	.15	4	3.39	.03	.11	<2	2
L56N 38+25E	6	48	21	1857	.7	117	16	948	3.31	2	<5	<2	3	36	10.8	<2	2	239	.49	.256	9	31	.76	363	.16	4	3.72	.02	.11	<2	1
L56N 38+50E	5	47	22	1850	.8	113	10	407	2.99	6	<5	<2	3	26	9.6	3	<2	255	.37	.239	9	34	.97	245	.19	4	4.33	.02	.10	<2	1
L56N 38+75E	3	39	40	1687	.3	83	10	1085	2.57	8	<5	<2	4	25	11.9	<2	5	147	.29	.266	10	26	.61	313	.17	5	2.81	.02	.11	<2	1
L56N 39+00E	3	35	17	1674	<.3	90	9	688	2.47	6	<5	<2	5	20	11.9	<2	<2	209	.31	.264	13	32	.79	317	.15	4	3.40	.02	.11	<2	1
L56N 39+25E	7	64	32	4841	1.1	441	9	915	2.64	5	16	<2	7	20	30.6	<2	3	187	.32	.114	13	42	.84	238	.15	4	3.74	.03	.13	<2	<1
L56N 39+50E	3	21	19	1625	.3	99	8	323	2.30	3	6	<2	5	19	8.5	<2	3	141	.30	.217	15	31	.68	173	.12	3	2.78	.02	.11	<2	<1
L56N 39+75E	8	74	12	1416	1.1	115	6	256	2.15	6	21	<2	6	20	5.7	4	<2	267	.39	.054	17	40	1.23	114	.12	3	2.22	.01	.15	<2	1
L56N 40+00E	3	38	30	1349	.3	70	8	307	2.28	4	<5	<2	6	31	12.1	<2	2	223	.43	.312	11	32	.98	304	.14	3	3.09	.02	.14	<2	2
L56N 40+25E	7	41	5	1886	<.3	119	9	200	2.30	<2	<5	<2	5	23	7.6	<2	2	440	.42	.137	7	48	2.17	167	.17	4	3.76	.01	.14	<2	1
L56N 40+50E	2	17	12	1273	.3	62	9	649	1.95	3	<5	<2	4	27	7.7	<2	<2	149	.31	.286	9	32	.80	347	.13	5	2.77	.03	.12	<2	2
L56N 40+75E	3	22	7	1377	.5	75	8	369	2.30	6	<5	<2	6	31	13.5	<2	4	139	.35	.232	14	33	.81	256	.17	3	3.53	.03	.14	<2	<1
RE L56N 40+75E	3	22	10	1381	.5	78	8	368	2.30	2	<5	<2	5	31	13.3	<2	<2	139	.34	.231	14	33	.81	257	.17	4	3.55	.03	.14	<2	1
L56N 41+00E	6	38	19	1486	<.3	150	13	429	3.06	5	<5	<2	7	31	10.5	<2	2	234	.37	.124	12	46	1.32	220	.22	5	4.86	.03	.15	<2	<1
L56N 41+25E	6	30	17	2071	<.3	162	14	736	3.07	2	<5	<2	4	23	10.8	<2	<2	217	.28	.088	13	38	1.01	280	.16	4	3.65	.01	.13	<2	<1
L56N 41+50E	6	25	26	2062	.3	110	13	1680	2.76	4	<5	<2	2	40	8.5	2	2	181	.52	.115	9	31	.73	363	.11	3	2.36	.01	.12	<2	1
L55N 37+75E	7	101	28	4633	1.5	216	8	358	2.11	8	12	<2	4	31	18.3	5	<2	339	.71	.136	10	43	1.19	298	.09	<3	2.57	.02	.15	<2	2
L55N 38+25E	3	21	23	2212	.3	99	8	1059	2.12	5	<5	<2	3	25	9.7	3	<2	215	.35	.248	9	34	.89	375	.12	3	2.37	.02	.11	<2	<1
L55N 38+75E	4	42	10	1777	.9	101	10	365	2.14	3	<5	<2	5	27	11.8	2	<2	301	.36	.150	7	40	2.33	295	.15	3	3.70	.02	.13	<2	<1
L55N 39+25E	4	28	13	1019	<.3	76	10	601	2.15	<2	<5	<2	4	23	7.7	<2	2	292	.28	.242	8	39	1.74	263	.14	3	3.41	.02	.11	<2	<1
L55N 39+75E	3	26	16	1131	.6	68	9	471	2.25	5	<5	<2	5	24	7.4	<2	<2	183	.29	.407	10	32	.85	316	.14	<3	3.60	.03	.11	2	<1
L55N 40+25E	8	97	29	5957	1.7	399	10	899	2.58	2	12	<2	3	34	28.2	<2	2	300	.83	.107	21	52	1.03	259	.12	5	3.73	.02	.17	2	<1
L55N 40+75E	3	12	21	1619	<.3	54	7	610	1.84	5	<5	<2	4	15	10.8	<2	3	194	.20	.166	7	31	.76	237	.13	3	2.13	.02	.08	<2	<1
L55N 41+25E	8	55	30	4721	.4	164	8	488	2.23	2	8	<2	5	17	11.3	<2	<2	308	.28	.041	17	46	1.27	106	.14	3	2.71	.02	.11	3	1
L55N 41+75E	6	32	42	2062	<.3	130	11	495	3.09	8	<5	<2	5	17	5.7	<2	6	149	.19	.145	11	30	.60	257	.17	4	3.96	.02	.10	41	1
STANDARD C2/AU-S	20	58	37	143	6.2	74	37	1139	3.94	44	17	7	35	53	20.6	19	16	74	.54	.096	39	65	.99	211	.09	29	2.02	.06	.15	15	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	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L54N 34+00E	2	83	20	658	.8	71	9	234	2.46	13	<5	<2	4	31	6.8	<2	<2	230	.40	.294	11	30	.92	431	.17	4	4.19	.03	.10	<2	1
L54N 34+25E	4	57	42	1286	.9	88	10	737	2.71	14	<5	<2	4	36	10.8	<2	<2	466	.59	.467	7	49	1.45	598	.16	4	3.43	.02	.16	<2	1
L54N 34+50E	5	100	16	2048	1.0	164	14	326	2.81	22	8	<2	4	53	27.7	3	2	187	.60	.199	13	27	.94	411	.18	5	4.37	.03	.14	<2	1
L54N 34+75E	8	88	21	1767	1.6	133	15	599	3.19	35	6	<2	2	40	11.0	5	<2	240	.39	.276	11	29	.90	387	.17	4	4.24	.02	.10	<2	1
L54N 35+00E	4	50	21	1252	1.4	83	10	423	2.85	11	<5	<2	3	34	6.6	<2	<2	186	.43	.263	10	26	.68	382	.18	5	4.42	.03	.09	<2	2
L54N 35+25E	8	105	39	2166	5.2	97	16	837	3.24	13	5	<2	<2	113	17.6	7	<2	468	1.41	.629	6	51	1.61	967	.11	4	3.68	.02	.13	<2	1
L54N 35+50E	5	91	36	2114	1.9	116	16	811	3.43	14	<5	<2	3	88	15.6	2	<2	392	1.18	.539	6	46	1.46	567	.15	5	4.25	.02	.11	<2	<1
L54N 35+75E	3	35	21	1327	1.1	87	14	949	3.19	<2	<5	<2	2	69	21.6	<2	3	236	.83	.452	10	35	1.06	548	.17	5	4.33	.03	.14	<2	<1
L54N 36+00E	9	70	14	708	1.0	81	13	336	5.40	6	<5	<2	5	66	7.1	<2	3	234	.55	.193	13	43	1.57	305	.16	3	4.43	.02	.15	<2	1
L54N 36+25E	3	64	11	1397	.3	96	15	987	3.31	2	<5	<2	3	77	10.7	<2	<2	246	1.21	.633	6	44	1.37	416	.16	4	4.25	.02	.14	<2	<1
L54N 36+50E	3	60	19	1500	1.0	109	15	1028	3.32	<2	<5	<2	4	54	14.5	2	2	267	.71	.411	8	40	1.22	386	.18	4	4.69	.02	.10	<2	<1
L54N 36+75E	4	36	15	1642	.4	83	16	1417	3.67	6	<5	<2	3	55	27.0	<2	3	222	.63	.315	8	38	1.19	460	.20	4	4.63	.03	.13	<2	<1
L54N 37+00E	4	40	12	1733	.3	101	12	1391	2.73	<2	<5	<2	4	35	12.5	<2	3	188	.42	.277	8	26	.81	402	.19	4	4.21	.02	.09	<2	<1
L54N 37+25E	6	58	21	2117	1.2	112	12	1130	2.71	<2	5	<2	2	36	15.9	2	2	213	.48	.347	10	26	.76	504	.17	4	4.08	.02	.08	<2	1
L54N 37+50E	3	32	28	1588	.4	76	8	503	2.31	6	<5	<2	5	34	16.1	<2	<2	226	.46	.522	9	33	.97	483	.15	3	3.71	.02	.12	<2	<1
L54N 37+75E	3	50	32	1542	.4	91	9	338	2.20	4	<5	<2	5	29	8.0	<2	<2	281	.40	.347	11	42	1.58	572	.13	3	3.13	.02	.14	<2	1
L54N 38+00E	2	45	20	1445	.5	82	9	308	2.16	2	<5	<2	5	25	16.8	<2	<2	298	.47	.264	12	39	1.77	289	.15	3	3.56	.02	.15	<2	2
RE L54N 38+00E	3	48	20	1531	.6	88	10	325	2.31	3	<5	<2	6	27	17.3	<2	<2	317	.50	.278	14	42	1.87	308	.16	3	3.76	.02	.15	<2	1
L54N 38+25E	3	23	18	1909	<.3	89	11	561	2.09	2	<5	<2	3	31	12.1	<2	<2	301	.54	.305	8	40	1.59	402	.14	3	3.25	.02	.13	<2	<1
L54N 38+50E	4	37	13	1528	<.3	90	10	400	2.30	<2	<5	<2	4	43	10.4	<2	<2	327	.66	.579	8	43	1.66	581	.15	3	3.63	.02	.14	<2	<1
L54N 38+75E	3	31	18	1388	.5	85	9	258	2.11	<2	<5	<2	5	26	10.5	<2	<2	256	.43	.301	9	36	1.46	259	.15	3	3.40	.02	.13	<2	<1
L54N 39+00E	3	26	12	1099	.5	64	11	489	1.99	3	<5	<2	3	28	6.8	<2	<2	195	.41	.244	9	31	1.16	387	.14	3	2.94	.02	.12	<2	<1
L54N 39+25E	5	33	16	1136	.5	87	11	471	2.07	7	<5	<2	5	21	5.6	<2	3	199	.22	.201	9	30	1.12	345	.16	<3	3.43	.02	.09	<2	1
L54N 39+50E	5	24	10	1379	<.3	90	11	394	2.16	5	<5	<2	4	20	3.8	<2	<2	224	.24	.150	11	35	1.11	372	.17	3	3.55	.02	.09	<2	<1
L54N 39+75E	6	24	10	912	<.3	71	9	297	2.23	3	<5	<2	7	19	2.4	<2	3	169	.21	.117	12	34	.76	334	.15	3	3.47	.02	.09	<2	<1
L54N 40+00E	5	31	10	560	.6	58	9	198	2.41	9	<5	<2	5	16	2.5	<2	2	176	.15	.156	16	46	.70	272	.16	<3	3.81	.02	.11	<2	<1
L54N 40+25E	5	23	13	986	<.3	74	13	557	2.32	3	<5	<2	4	30	8.7	2	3	155	.29	.202	13	60	.68	387	.17	3	3.39	.02	.13	<2	1
L54N 40+50E	4	25	28	1359	.4	63	10	595	2.29	4	<5	<2	3	25	10.8	3	2	131	.30	.293	16	67	.65	322	.16	3	3.24	.02	.15	<2	<1
L54N 40+75E	3	19	18	1478	.3	59	9	479	2.10	3	<5	<2	3	24	9.1	<2	2	147	.32	.294	8	31	.55	247	.13	4	3.28	.02	.10	<2	<1
L54N 41+00E	4	32	13	1590	<.3	82	10	417	2.66	3	<5	<2	6	22	6.7	<2	2	148	.27	.152	15	37	.59	264	.16	<3	3.44	.02	.12	2	<1
L54N 41+25E	5	37	16	2180	<.3	115	10	270	2.75	2	<5	<2	7	22	6.0	<2	2	199	.26	.106	13	36	.74	210	.17	4	3.85	.02	.09	<2	<1
L54N 41+50E	5	31	13	2202	<.3	120	12	799	2.92	4	<5	<2	5	24	10.6	3	3	204	.32	.169	10	33	.69	246	.16	4	3.72	.02	.11	4	<1
L54N 41+75E	5	32	18	3126	<.3	153	8	474	2.62	2	<5	<2	6	21	15.5	2	5	234	.34	.095	14	40	.82	195	.18	4	4.31	.02	.09	6	<1
L54N 42+00E	6	32	22	3185	<.3	151	10	698	2.53	2	<5	<2	6	23	14.4	<2	2	279	.41	.174	12	43	1.05	193	.14	4	3.60	.02	.11	5	<1
L54N 42+25E	5	31	19	4065	.3	254	9	685	2.67	3	<5	<2	5	25	17.3	<2	5	216	.44	.080	15	45	.73	153	.17	4	4.34	.03	.09	7	2
STANDARD C2/AU-S	21	59	39	147	6.4	77	38	1214	3.96	44	16	7	36	54	21.3	20	19	76	.55	.097	42	66	1.00	203	.09	29	2.03	.06	.15	16	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	Au* ppb
L54N 42+50E	2	20	12	1843	<.3	61	9	607	2.43	4	<5	<2	3	28	21.8	<2	2	115	.37	.246	10	25	.48	275	.15	5	3.67	.03	.10	3	1
L54N 42+75E	3	16	9	1811	<.3	64	7	504	3.04	6	<5	<2	<2	24	16.3	<2	2	75	.30	.396	6	20	.44	268	.14	3	3.03	.03	.07	17	<1
L54N 43+00E	4	40	15	2476	.4	191	11	562	2.98	2	<5	<2	4	19	18.3	<2	11	165	.29	.298	10	37	.75	334	.13	<3	3.42	.01	.11	9	<1
L53N 33+25E	5	90	15	2092	1.7	139	14	360	2.69	17	<5	<2	3	34	17.9	<2	<2	254	.36	.206	8	32	1.46	489	.14	<3	3.77	.02	.12	<2	1
L53N 33+75E	3	73	20	898	.3	85	12	497	2.60	9	<5	<2	4	23	6.0	<2	<2	178	.30	.203	10	30	.90	385	.14	<3	3.52	.02	.11	<2	<1
L53N 34+25E	2	17	17	702	.4	34	5	905	2.02	15	<5	<2	<2	51	9.4	<2	<2	68	.62	.743	7	15	.35	2463	.12	3	2.63	.03	.08	<2	1
L53N 34+75E	3	28	15	1395	.7	66	9	516	2.76	6	<5	<2	2	41	24.6	<2	<2	190	.59	.299	6	29	.89	430	.17	3	3.72	.03	.08	<2	<1
L53N 35+25E	2	41	17	1161	1.3	93	11	375	2.64	4	<5	<2	2	82	15.1	<2	<2	204	1.02	.636	6	33	.88	582	.16	<3	4.17	.03	.12	<2	1
L53N 35+75E	4	44	9	1215	.7	102	19	839	4.28	4	<5	<2	3	55	12.1	<2	<2	225	.61	.249	9	36	1.37	309	.16	<3	4.44	.02	.12	<2	1
L53N 36+25E	5	70	21	1082	1.2	77	17	976	4.19	7	<5	<2	4	51	10.9	<2	2	283	.52	.362	12	38	1.29	366	.17	<3	5.08	.02	.13	<2	1
L53N 36+75E	4	29	12	2179	.3	100	9	641	2.31	3	<5	<2	2	25	30.0	<2	<2	245	.39	.275	8	28	1.27	230	.15	3	3.82	.02	.11	<2	1
L53N 37+25E	4	32	11	1747	.4	109	9	204	2.01	3	<5	<2	2	19	9.7	<2	<2	194	.27	.162	12	27	1.26	230	.11	<3	2.36	.02	.14	<2	<1
L53N 37+75E	5	26	14	1126	.3	89	13	545	2.52	<2	<5	<2	2	29	6.8	<2	<2	210	.39	.216	8	32	1.50	329	.15	<3	3.74	.02	.12	<2	<1
L53N 38+25E	6	23	9	1350	.3	104	14	306	2.21	5	<5	<2	3	26	4.7	<2	<2	206	.27	.228	7	29	1.53	370	.14	3	3.23	.02	.10	<2	<1
L53N 38+75E	4	14	20	477	.4	54	6	193	2.63	9	<5	<2	4	46	2.9	<2	<2	85	.56	.626	6	14	.34	266	.20	<3	5.01	.03	.07	<2	<1
L53N 41+75E	5	50	19	1914	<.3	93	11	881	2.81	2	<5	<2	6	23	10.8	<2	9	204	.34	.105	11	37	.81	227	.13	3	3.94	.02	.13	46	<1
L53N 42+25E	5	49	10	2130	<.3	104	12	552	2.96	2	<5	<2	6	25	7.2	<2	20	183	.47	.082	11	40	.84	117	.14	3	4.02	.02	.07	29	3
L53N 42+75E	4	40	13	2149	.6	124	11	471	2.95	3	<5	<2	2	41	15.8	<2	14	170	.56	.258	12	33	.59	334	.15	3	3.49	.02	.11	17	1
L52N 33+00E	4	111	20	1075	1.1	101	12	510	2.54	13	7	<2	2	27	9.5	2	<2	252	.45	.262	11	33	1.30	453	.11	<3	3.17	.01	.13	<2	1
L52N 33+25E	2	40	13	602	.8	70	7	216	2.33	18	<5	<2	<2	32	5.0	6	2	105	.40	.330	10	17	.53	647	.16	3	3.98	.03	.09	<2	<1
L52N 33+50E	14	222	32	2272	4.5	182	28	806	3.97	47	<5	<2	2	87	19.7	10	<2	416	1.27	.598	7	42	1.55	813	.08	<3	4.32	.01	.13	<2	1
L52N 33+75E	11	310	22	3414	11.0	268	34	349	4.88	5	<5	<2	3	52	20.6	2	<2	759	.81	.345	7	76	3.99	199	.11	<3	5.28	.01	.09	<2	4
L52N 34+00E	2	29	11	1135	1.4	86	7	242	2.29	6	<5	<2	<2	45	10.9	<2	<2	135	.50	.431	6	22	.60	557	.15	3	3.61	.03	.09	<2	<1
L52N 34+25E	7	101	39	2508	1.4	142	19	1090	3.42	6	<5	<2	2	94	32.8	3	<2	347	1.30	.667	13	44	.94	2630	.08	5	2.69	.02	.18	<2	<1
RE L52N 34+25E	7	98	36	2366	1.3	139	18	1051	3.33	5	<5	<2	4	90	32.1	3	<2	337	1.25	.646	13	41	.91	2539	.08	4	2.60	.01	.17	<2	1
L52N 34+50E	4	73	36	1702	1.5	81	16	1234	3.13	<2	<5	<2	<2	94	28.0	<2	2	340	.91	.422	7	46	1.47	661	.11	3	3.47	.02	.14	<2	<1
L52N 34+75E	4	46	8	1138	1.1	71	14	359	3.79	<2	<5	<2	4	57	8.3	<2	<2	375	.58	.135	11	50	2.03	251	.17	<3	4.28	.02	.13	<2	<1
L52N 35+00E	3	24	12	1471	.6	63	11	903	2.57	3	<5	<2	3	43	19.2	<2	<2	126	.49	.612	6	21	.63	390	.16	3	4.14	.02	.10	<2	<1
L52N 35+25E	7	36	22	1833	.3	102	9	620	2.06	3	5	<2	2	28	11.7	<2	2	333	.49	.150	7	37	1.88	277	.12	3	2.41	.01	.29	<2	4
L52N 35+50E	5	40	8	2864	.4	153	10	322	2.37	<2	<5	<2	3	24	30.6	<2	2	384	.41	.264	8	46	2.86	316	.15	3	3.86	.01	.14	<2	<1
L52N 35+75E	11	42	13	1378	.5	101	9	348	2.16	<2	<5	<2	3	23	16.6	<2	2	485	.48	.103	7	50	3.10	234	.13	<3	3.04	.01	.53	<2	<1
L52N 36+00E	4	39	6	2048	.5	143	12	307	2.18	<2	<5	<2	4	18	23.6	<2	2	466	.36	.104	13	48	3.56	323	.15	3	3.92	.01	.22	<2	<1
L52N 36+25E	4	33	10	2251	.9	116	12	297	2.30	<2	<5	<2	3	30	32.1	<2	<2	293	.49	.273	10	38	1.92	278	.16	3	3.80	.03	.14	<2	<1
L52N 36+50E	6	37	13	1911	.4	112	13	816	2.27	<2	<5	<2	4	39	16.5	<2	<2	369	.56	.240	7	43	1.95	443	.14	3	3.52	.02	.20	<2	1
L52N 36+75E	6	39	7	1782	.8	122	15	405	2.49	<2	<5	<2	4	28	8.7	<2	2	348	.34	.184	9	44	2.18	242	.17	<3	4.28	.02	.18	<2	1
STANDARD C2/AU-S	20	54	41	147	6.1	74	37	1124	3.87	43	17	7	33	48	21.4	13	18	70	.53	.100	37	68	1.00	194	.08	24	1.86	.06	.13	14	46

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L52N 37+00E	4	37	3	1456	.6	103	14	295	2.08	<2	<5	<2	3	35	6.5	<2	<2	254	.40	.251	6	38	1.88	343	.16	3	3.85	.02	.16	<2	<1
L52N 37+25E	7	34	11	1263	.4	100	18	392	2.91	<2	<5	<2	5	35	7.9	<2	<2	274	.37	.115	8	40	2.05	242	.17	3	4.16	.02	.14	<2	<1
L52N 37+50E	8	25	13	1334	<.3	88	15	582	2.65	<2	<5	<2	3	28	9.7	2	4	187	.27	.090	7	31	1.27	245	.19	3	3.92	.02	.12	<2	1
L52N 37+75E	5	18	10	1313	<.3	115	13	391	2.78	<2	10	<2	4	43	16.2	<2	<2	206	.52	.086	7	29	1.13	291	.20	4	4.14	.03	.14	<2	<1
L52N 38+00E	18	36	16	1314	.7	98	15	530	4.13	<2	<5	<2	5	43	5.2	<2	2	275	.39	.140	10	32	.84	227	.19	<3	4.26	.02	.11	<2	<1
L52N 38+25E	24	38	44	1805	.6	97	24	1348	5.19	2	<5	<2	5	54	15.7	<2	<2	412	.71	.232	7	44	1.03	264	.11	<3	3.57	.01	.15	<2	<1
L52N 38+50E	6	37	48	1006	.5	105	13	458	2.88	2	<5	<2	6	21	6.5	<2	<2	210	.22	.125	10	32	1.35	233	.19	3	4.63	.02	.11	<2	<1
L52N 38+75E	6	37	19	891	.4	108	12	354	2.65	5	<5	<2	3	29	5.8	<2	2	242	.27	.264	12	39	1.12	290	.14	<3	3.77	.02	.12	<2	<1
L52N 39+00E	8	35	13	958	<.3	99	14	687	3.41	<2	9	<2	5	39	4.2	<2	<2	278	.40	.160	9	44	1.31	300	.16	<3	4.31	.01	.15	<2	<1
L52N 41+00E	6	28	10	767	<.3	130	14	588	3.67	2	<5	<2	5	31	3.5	<2	<2	162	.33	.149	8	34	.63	331	.18	3	4.34	.02	.12	<2	1
L52N 41+25E	7	40	5	1169	<.3	191	14	450	3.45	4	6	<2	4	26	4.0	<2	3	130	.42	.087	12	38	.71	283	.15	3	3.64	.02	.14	2	1
L52N 41+50E	3	27	13	1647	<.3	99	9	698	2.73	5	<5	<2	4	26	13.8	<2	5	118	.30	.205	9	27	.52	297	.18	3	4.12	.03	.12	<2	1
L52N 41+75E	6	72	17	2555	.7	240	11	415	3.25	4	15	<2	8	23	11.9	<2	5	220	.42	.155	21	43	.80	301	.16	3	4.87	.02	.13	12	2
L52N 42+00E	4	38	9	2359	.4	136	8	444	2.69	<2	<5	<2	4	22	13.4	<2	12	175	.33	.175	13	35	.80	252	.14	<3	3.50	.02	.12	21	1
RE L52N 42+00E	3	36	10	2258	.3	127	8	426	2.55	2	6	<2	4	21	13.0	<2	11	165	.32	.169	12	32	.77	238	.13	<3	3.32	.02	.12	19	1
L52N 42+25E	6	97	17	1554	1.3	107	12	498	3.73	4	5	<2	6	17	7.7	<2	28	259	.16	.172	15	41	.73	251	.16	<3	4.05	.02	.13	154	5
L52N 42+50E	7	47	12	1625	.4	119	11	693	3.05	<2	6	<2	6	19	7.1	2	14	303	.24	.167	10	51	.85	266	.15	3	3.92	.02	.12	34	1
L52N 42+75E	5	48	15	1606	<.3	104	12	1299	3.16	2	9	<2	3	34	13.6	<2	13	238	.41	.244	11	44	.75	437	.17	4	4.10	.02	.14	41	3
L52N 43+00E	3	34	11	1531	<.3	104	9	783	2.38	6	<5	<2	2	26	24.9	<2	2	109	.33	.285	12	27	.50	366	.16	4	3.55	.03	.11	13	<1
L51N 33+25E	6	67	27	1718	1.0	139	12	808	2.80	19	<5	<2	2	57	30.8	3	<2	159	.55	.321	12	22	.88	1150	.12	4	3.07	.03	.13	<2	<1
L51N 33+75E	6	66	11	4635	4.6	306	18	331	3.44	2	13	<2	3	48	41.5	<2	2	362	.65	.359	10	45	1.69	238	.14	<3	3.81	.04	.14	<2	1
L51N 34+25E	3	72	18	1409	1.0	107	17	520	3.40	3	<5	<2	3	37	18.7	<2	<2	233	.48	.435	11	37	1.52	369	.14	<3	4.08	.03	.13	<2	1
L51N 34+75E	6	69	14	2318	.8	167	17	886	3.03	4	<5	<2	3	30	23.3	3	<2	398	.51	.338	8	50	2.09	386	.13	3	3.96	.01	.18	<2	<1
L51N 35+25E	7	35	<3	1550	.4	112	13	230	2.31	<2	<5	<2	4	21	9.4	2	<2	454	.38	.068	6	48	2.95	173	.17	3	3.92	.02	.22	<2	<1
L51N 35+75E	8	33	3	1557	<.3	142	12	188	1.79	<2	<5	<2	2	14	8.2	<2	<2	734	.48	.026	3	53	4.74	146	.15	<3	3.52	.01	.46	<2	<1
L51N 36+25E	11	43	10	1850	.8	140	31	424	2.70	2	7	<2	3	33	7.8	<2	<2	398	.43	.142	9	48	1.99	342	.13	<3	3.96	.02	.18	<2	<1
STANDARD C2/AU-S	20	58	38	135	6.5	76	39	1198	4.01	44	17	8	37	52	20.8	14	22	74	.54	.098	40	67	1.00	198	.08	27	1.97	.06	.14	15	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 POSIE File # 96-3618

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	Au* ppb
L50N 33+00E	2	104	21	2578	1.7	210	12	346	2.66	12	6	<2	6	36	14.7	4	<2	206	.60	.540	14	34	1.18	411	.17	4	4.58	.03	.15	2	1
L50N 33+25E	2	29	16	1099	.7	51	9	2198	2.30	7	<5	<2	2	54	21.8	2	<2	113	.73	.716	7	25	.53	929	.11	<3	2.33	.03	.15	<2	1
L50N 33+50E	5	75	14	1453	2.3	126	14	661	3.58	6	5	<2	4	46	13.1	3	2	270	.62	.373	11	38	1.50	458	.13	<3	4.25	.02	.12	<2	1
L50N 33+75E	5	70	18	1403	2.0	95	13	762	3.06	4	<5	<2	5	39	16.2	5	<2	285	.54	.362	13	45	1.92	353	.13	<3	4.18	.02	.15	3	1
L50N 34+00E	2	27	21	1757	.7	61	7	539	2.22	7	<5	<2	5	36	17.3	5	<2	233	.57	.406	8	31	.98	599	.13	5	3.08	.02	.13	<2	<1
L50N 34+25E	3	35	10	1541	.8	77	7	388	1.77	3	<5	<2	4	38	11.0	4	<2	274	.48	.319	8	33	1.94	444	.13	3	3.28	.02	.13	2	<1
L50N 34+50E	2	29	7	1347	.4	62	6	1378	1.91	4	<5	<2	4	35	12.2	<2	3	218	.44	.419	8	32	1.30	674	.12	4	2.89	.02	.13	<2	1
L50N 34+75E	5	64	6	1388	.3	102	8	217	2.11	4	<5	<2	4	29	6.2	<2	<2	349	.53	.165	10	44	1.89	273	.15	<3	3.86	.02	.18	<2	<1
L50N 35+00E	48	21	3	6483	.3	395	<1	8997	14.19	3	<5	<2	3	51	7.7	<2	<2	153	.71	.054	10	20	.82	333	.10	<3	2.33	.02	.12	3	3
L50N 35+25E	4	29	7	1886	<.3	104	7	752	2.36	3	<5	<2	4	36	17.4	2	5	229	.49	.304	9	31	1.40	409	.16	4	3.89	.03	.12	<2	<1
L50N 35+50E	5	36	12	2851	.3	177	10	888	2.51	<2	<5	<2	3	28	10.5	2	4	314	.38	.139	8	39	2.17	269	.16	3	3.96	.02	.13	2	1
RE L50N 35+50E	5	37	12	2895	<.3	179	10	866	2.48	<2	<5	<2	3	28	10.7	<2	<2	315	.37	.137	8	39	2.14	273	.16	4	4.01	.02	.13	2	<1
L50N 35+75E	5	22	11	2167	<.3	94	5	1941	2.86	<2	<5	<2	3	35	35.4	2	5	97	.43	.271	7	17	.47	357	.17	3	3.62	.04	.11	<2	<1
L50N 36+00E	3	15	9	1584	<.3	54	4	1465	2.09	2	<5	<2	2	36	27.5	2	3	71	.47	.255	7	19	.38	390	.15	4	2.79	.03	.12	<2	<1
L50N 36+25E	5	41	5	1574	<.3	167	10	786	2.89	3	<5	<2	5	25	16.0	2	<2	212	.40	.090	11	37	2.22	238	.19	3	5.08	.02	.11	2	<1
L50N 36+50E	5	34	9	1452	<.3	142	11	432	2.66	<2	<5	<2	4	36	9.7	<2	<2	185	.55	.073	11	30	1.45	259	.19	4	4.96	.03	.11	2	<1
L50N 36+75E	4	19	11	1834	<.3	109	8	649	2.63	<2	<5	<2	3	36	29.8	3	<2	136	.55	.090	7	25	.64	299	.19	6	4.47	.03	.11	<2	1
L50N 37+00E	9	34	6	1256	<.3	137	11	761	3.17	<2	<5	<2	4	35	8.7	<2	<2	163	.52	.120	9	27	.80	247	.19	4	5.74	.03	.09	2	<1
L50N 37+25E	12	29	5	1179	<.3	123	12	616	3.63	3	6	<2	3	35	14.0	<2	4	141	.56	.128	10	24	.45	342	.19	3	5.44	.03	.10	2	1
L50N 37+50E	9	52	13	1064	1.1	68	11	535	2.90	4	<5	<2	4	41	10.1	4	2	201	.53	.119	16	30	.40	357	.16	5	3.56	.03	.10	<2	1
L50N 37+75E	21	75	21	2005	.6	106	20	612	3.85	3	<5	<2	3	43	21.0	<2	<2	332	.64	.177	16	46	.54	341	.12	<3	3.68	.01	.13	<2	1
L50N 38+00E	8	60	31	3548	.7	179	49	616	3.16	3	<5	<2	4	45	52.8	<2	<2	221	.65	.379	14	41	.61	420	.13	3	3.70	.02	.14	4	<1
STANDARD C2/AU-S	20	60	35	135	6.1	71	32	1120	3.81	42	20	7	37	51	19.0	15	16	72	.56	.103	40	63	.96	201	.08	22	2.04	.06	.15	12	43

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

DATE RECEIVED: AUG 12 1996 **DATE REPORT MAILED:** Aug 21/96 **SIGNED BY**.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT TUNGSTEN KING File # 96-4230 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	Au* ppb
L79N 25+00E	1	46	11	134	<.3	31	10	349	2.65	9	<5	<2	5	29	.6	3	<2	52	.24	.118	18	38	.50	338	.11	<3	3.41	.04	.19	2	1
L79N 25+50E	1	21	41	394	<.3	56	9	569	2.76	6	<5	<2	3	21	3.5	3	<2	61	.43	.362	11	51	1.00	976	.12	<3	4.16	.05	.16	<2	<1
L79N 26+00E	1	33	29	229	<.3	57	12	883	3.26	6	<5	<2	4	20	1.6	2	<2	55	.31	.263	11	55	1.03	456	.14	<3	4.10	.04	.20	<2	<1
L79N 26+50E	<1	28	25	178	<.3	34	9	416	3.04	<2	<5	<2	4	16	.9	<2	<2	50	.29	.260	13	52	.74	452	.14	<3	4.54	.05	.17	<2	<1
L79N 27+00E	<1	23	37	196	.3	31	9	570	2.80	<2	<5	<2	4	33	1.0	2	<2	58	1.75	.394	19	40	1.27	417	.12	<3	4.37	.05	.16	<2	<1
L79N 27+50E	<1	44	10	423	1.2	22	4	630	.88	62	<5	<2	<2	52	30.5	4	<2	12	32.42	.174	8	28	.29	173	.02	4	1.25	.01	.03	<2	2
L79N 28+00E	<1	22	710	1678	.4	30	10	3127	3.45	11	<5	<2	4	35	3.6	<2	<2	50	2.51	.483	27	28	.61	294	.19	5	5.71	.05	.09	<2	3
L79N 28+50E	<1	24	36	214	<.3	36	10	667	2.65	4	<5	<2	5	20	.4	3	<2	46	.33	.083	15	32	.57	259	.12	<3	3.60	.04	.13	<2	<1
L79N 29+00E	2	16	18	172	<.3	37	11	914	2.46	14	<5	<2	4	24	.4	<2	<2	42	.26	.266	11	39	.47	348	.11	4	2.79	.03	.15	<2	<1
L79N 29+50E	<1	16	57	246	<.3	29	9	2339	2.79	<2	<5	<2	6	31	1.2	<2	<2	60	3.82	.458	19	41	5.10	394	.13	3	4.92	.03	.08	<2	2
L79N 30+00E	1	34	71	356	<.3	64	17	827	3.60	51	<5	<2	5	18	2.1	<2	<2	81	.39	.103	12	46	1.49	254	.20	4	4.32	.04	.18	4	2
L77N 18+00E	<1	16	103	368	<.3	30	10	982	2.50	2	<5	<2	5	23	3.2	<2	2	47	.45	.258	13	32	.59	356	.12	3	3.69	.04	.12	<2	1
L77N 18+50E	1	22	395	929	.5	29	9	878	2.71	<2	<5	<2	4	25	5.6	<2	<2	48	.49	.228	14	40	.57	357	.12	<3	3.90	.05	.15	<2	1
L77N 19+00E	1	16	59	200	<.3	31	10	1390	2.60	3	<5	<2	4	28	1.2	2	<2	47	.69	.342	15	35	.61	397	.12	<3	4.01	.04	.17	<2	1
L77N 19+50E	2	14	62	230	<.3	24	6	1487	1.79	3	<5	<2	2	35	1.6	3	<2	73	3.24	.261	14	20	1.40	225	.09	7	3.34	.03	.09	<2	<1
L77N 20+00E	2	27	41	141	<.3	37	12	597	3.04	2	<5	<2	5	22	.4	2	<2	57	.35	.104	20	38	.91	197	.13	<3	4.00	.04	.16	<2	4
L77N 20+50E	<1	9	63	758	<.3	25	4	1008	1.29	3	<5	<2	2	27	1.5	4	<2	37	1.33	.245	11	22	.68	357	.07	9	1.82	.04	.09	<2	<1
L77N 21+00E	1	16	19	352	<.3	30	10	952	2.47	7	<5	<2	4	24	1.1	<2	<2	47	.35	.318	10	141	1.26	5305	.10	<3	3.53	.04	.13	<2	<1
L77N 22+00E	2	24	18	278	<.3	46	14	433	3.50	12	<5	<2	5	20	.4	<2	<2	52	.29	.335	13	43	.51	167	.12	<3	4.26	.03	.19	<2	1
RE L77N 22+00E	1	23	20	288	<.3	47	15	443	3.45	15	<5	<2	5	20	.6	<2	<2	53	.30	.339	13	39	.52	164	.12	<3	4.38	.03	.16	<2	2
L77N 22+50E	1	34	21	169	.3	88	18	710	3.75	9	<5	<2	7	28	<.2	2	<2	55	.29	.131	15	92	.94	397	.12	4	4.44	.03	.29	<2	3
L77N 23+00E	<1	25	14	220	.3	85	18	679	3.68	6	<5	<2	6	23	<.2	<2	<2	51	.27	.296	14	76	.70	392	.12	5	4.77	.03	.25	<2	<1
L77N 23+50E	<1	18	9	65	<.3	52	15	375	2.79	6	<5	<2	7	20	<.2	<2	<2	42	.25	.038	33	74	1.02	115	.11	3	1.81	.02	.32	<2	3
L77N 24+00E	2	27	10	121	.3	52	12	366	2.89	<2	<5	<2	5	29	<.2	<2	<2	44	.25	.146	19	55	.58	357	.13	<3	3.80	.04	.26	<2	1
L77N 24+50E	2	20	14	136	<.3	78	13	544	2.81	3	<5	<2	5	28	<.2	<2	<2	41	.27	.179	15	44	.51	258	.13	<3	4.21	.04	.19	<2	1
L77N 25+00E	1	26	23	185	.6	42	10	1048	2.85	20	<5	<2	5	27	.6	2	<2	46	.27	.302	10	39	.39	364	.16	5	4.59	.05	.17	<2	<1
L77N 25+50E	2	22	28	233	<.3	38	11	1245	2.69	17	<5	<2	5	18	.6	<2	<2	50	.26	.383	12	41	.63	345	.12	5	3.60	.03	.16	<2	<1
L77N 26+00E	2	35	26	132	<.3	49	12	338	3.14	9	<5	<2	7	19	<.2	3	2	65	.39	.102	21	44	1.16	212	.13	3	3.62	.03	.20	2	<1
L77N 26+50E	2	15	189	459	.7	34	9	1265	2.88	4	<5	<2	4	45	2.3	3	<2	82	5.54	.475	19	40	3.69	354	.07	5	3.24	.02	.10	<2	<1
L77N 27+00E	1	23	17	217	<.3	30	10	343	2.87	7	<5	<2	5	14	.4	<2	<2	51	.20	.185	12	28	.44	255	.13	<3	4.46	.03	.11	<2	<1
L77N 27+50E	<1	23	41	276	<.3	27	7	1396	2.13	146	<5	<2	4	34	1.4	2	<2	33	1.05	.100	14	26	.35	199	.12	<3	3.94	.07	.10	<2	<1
L77N 28+00E	1	20	16	199	.3	43	11	372	2.72	6	<5	<2	5	16	<.2	<2	<2	47	.19	.195	12	40	.48	352	.12	<3	3.82	.03	.14	<2	<1
L77N 28+50E	<1	19	17	200	<.3	28	10	852	2.52	5	<5	<2	4	15	<.2	<2	<2	42	.16	.425	10	34	.36	313	.11	<3	3.01	.03	.14	<2	1
L77N 29+00E	2	19	50	427	<.3	41	11	980	3.22	20	<5	<2	4	18	1.0	<2	<2	58	.29	.185	8	39	.90	177	.19	4	4.42	.05	.17	<2	<1
L77N 29+50E	1	27	29	211	.4	57	15	1372	3.43	15	<5	<2	6	19	<.2	4	2	65	.30	.155	12	50	.96	386	.21	5	4.51	.03	.19	2	3
STANDARD C2/AU-S	20	58	40	133	6.6	72	35	1186	3.98	39	17	7	33	53	22.2	17	14	70	.54	.109	39	60	.98	187	.06	34	2.11	.08	.15	9	43

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

DATE RECEIVED: SEP 3 1996 DATE REPORT MAILED: Sept 16/96 SIGNED BY. . . . . .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL

Sultan Minerals PROJECT TUNGSTEN KING FILE # 96-4230

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	Au* ppb
L77N 30+00E	5	26	33	364	<.3	54	19	1200	3.60	9	<5	<2	5	21	.8	<2	5	62	.42	.149	13	50	.89	347	.22	<3	4.37	.03	.22	7	14
L75N 16+00E	<1	14	19	167	<.3	51	12	979	2.38	<2	<5	<2	4	45	.3	<2	<2	37	.29	.306	18	29	.38	269	.10	<3	3.17	.03	.16	2	1
L75N 16+50E	2	24	35	230	<.3	42	17	2441	3.29	8	<5	<2	4	32	.5	<2	<2	51	.26	.311	18	62	.65	448	.10	<3	3.04	.02	.19	<2	1
L75N 17+00E	2	20	18	151	<.3	40	14	1384	3.01	8	<5	<2	5	40	<.2	<2	<2	48	.30	.169	18	43	.55	388	.10	<3	3.12	.02	.20	2	1
L75N 17+50E	1	21	19	194	<.3	49	15	979	3.24	9	<5	<2	6	34	<.2	<2	<2	49	.28	.265	17	58	.73	417	.14	<3	4.10	.03	.24	<2	1
L75N 18+00E	1	23	20	153	<.3	50	12	397	3.00	8	<5	<2	5	25	<.2	<2	<2	48	.38	.138	17	61	.71	364	.18	<3	4.34	.03	.22	2	<1
L75N 18+50E	1	16	27	205	<.3	51	13	1469	2.98	6	<5	<2	6	22	.6	<2	<2	45	.29	.247	17	52	.61	494	.11	<3	3.17	.02	.27	<2	1
L75N 19+00E	1	19	67	266	<.3	33	10	1482	2.63	4	<5	<2	5	25	.8	<2	<2	44	.45	.388	14	39	.60	358	.12	<3	3.67	.04	.18	<2	<1
L75N 19+50E	<1	31	69	165	<.3	43	14	667	3.35	7	<5	<2	6	34	.8	5	<2	67	1.15	.151	28	41	1.17	235	.12	<3	3.88	.05	.25	<2	<1
L75N 20+00E	1	27	84	169	<.3	51	15	1124	3.58	3	<5	<2	6	25	.6	4	<2	63	.61	.077	27	63	1.14	355	.12	<3	3.67	.04	.30	3	2
L75N 20+50E	<1	23	35	221	<.3	39	12	1493	2.98	5	<5	<2	5	20	.5	<2	<2	54	.33	.223	17	51	.66	443	.12	<3	3.65	.04	.19	<2	1
L75N 21+00E	1	22	57	236	<.3	26	9	661	2.75	4	<5	<2	5	24	.8	2	<2	51	.50	.366	19	26	.60	227	.19	<3	5.29	.05	.11	2	<1
L75N 21+50E	27	55	10893	22488	4.3	13	11	1311	3.04	212	<5	<2	<2	168	220.9	32	9	26	21.60	.075	9	7	11.60	102	.02	<3	.50	.01	.10	83	<1
L75N 22+50E	<1	20	70	261	<.3	27	8	451	2.52	6	<5	<2	3	18	1.0	<2	<2	44	.29	.333	17	19	.43	268	.20	<3	4.96	.04	.08	<2	1
L75N 23+00E	<1	17	27	217	<.3	55	12	1313	2.75	6	<5	<2	7	37	.5	<2	<2	43	.41	.381	15	49	.47	465	.15	<3	3.61	.03	.21	<2	<1
RE L75N 23+00E	1	16	27	205	<.3	52	12	1248	2.65	6	<5	<2	5	35	.4	<2	<2	41	.39	.363	14	46	.45	446	.12	3	3.38	.03	.22	2	1
L75N 23+50E	1	18	20	196	<.3	70	13	675	2.81	6	<5	<2	6	20	.2	<2	2	45	.19	.337	12	47	.48	370	.18	<3	4.41	.03	.15	<2	1
L75N 24+00E	<1	16	18	218	<.3	31	10	1195	2.43	5	<5	<2	4	27	.2	<2	<2	42	.30	.403	13	39	.38	441	.16	<3	3.26	.03	.15	<2	1
L75N 24+50E	<1	21	22	193	<.3	37	10	746	2.67	12	<5	<2	4	23	.3	<2	<2	47	.31	.241	12	41	.42	399	.19	<3	3.94	.04	.14	<2	1
L75N 25+00E	1	24	25	205	<.3	48	12	802	3.02	8	<5	<2	5	21	.3	<2	<2	53	.34	.177	14	45	.57	358	.19	<3	4.87	.03	.15	<2	<1
L75N 25+50E	<1	20	18	136	<.3	53	11	568	2.89	6	<5	<2	5	19	<.2	<2	<2	45	.23	.157	16	51	.56	360	.18	<3	4.34	.03	.16	<2	<1
L75N 26+00E	<1	21	18	136	<.3	49	12	385	2.77	3	<5	<2	7	20	<.2	<2	<2	45	.22	.158	19	42	.60	244	.12	<3	3.78	.02	.15	<2	<1
L75N 26+50E	2	18	18	125	<.3	52	15	454	3.43	<2	<5	<2	7	15	<.2	<2	<2	53	.26	.079	19	59	.82	251	.12	<3	3.91	.02	.18	<2	1
L75N 27+00E	2	17	24	207	<.3	31	11	1438	2.73	4	<5	<2	5	19	.2	<2	<2	47	.25	.249	12	32	.57	192	.16	<3	3.22	.02	.13	<2	<1
L75N 27+50E	<1	25	26	189	<.3	41	13	502	2.93	6	<5	<2	7	17	.2	2	<2	57	.30	.126	16	44	1.45	286	.11	<3	3.61	.02	.15	<2	2
L75N 28+00E	<1	16	24	217	<.3	37	11	926	2.74	<2	<5	<2	5	22	<.2	<2	<2	48	.45	.243	15	39	1.02	374	.12	<3	3.63	.03	.18	<2	1
L75N 28+50E	<1	15	25	394	<.3	21	6	2816	2.04	<2	<5	<2	4	59	2.6	<2	<2	40	10.45	.470	17	31	7.32	398	.10	<3	3.04	.02	.05	<2	<1
L75N 29+00E	1	20	21	128	<.3	30	8	529	2.60	2	<5	<2	4	20	<.2	<2	<2	44	.27	.251	8	20	.52	237	.20	<3	5.23	.04	.10	2	<1
L75N 29+50E	2	18	24	366	<.3	35	11	1628	3.13	<2	<5	<2	4	24	.5	<2	<2	46	.40	.185	9	35	1.09	366	.21	<3	4.94	.04	.13	2	1
L75N 30+00E	1	16	28	133	<.3	23	7	1354	2.56	<2	<5	<2	4	35	.6	7	<2	66	4.40	.303	23	28	2.63	175	.15	3	4.99	.03	.09	<2	<1
L73N 16+00E	<1	22	23	159	<.3	50	16	1755	3.13	5	<5	<2	4	31	.2	<2	<2	48	.26	.228	17	49	.60	367	.10	<3	3.47	.02	.15	2	1
L73N 16+50E	<1	28	33	148	<.3	54	17	1499	3.41	7	<5	<2	4	29	.3	<2	<2	51	.25	.117	18	55	.72	330	.11	<3	3.54	.02	.19	2	2
L73N 17+00E	1	23	22	160	<.3	45	15	1132	3.22	6	<5	<2	5	23	<.2	2	<2	52	.21	.218	15	37	.60	223	.15	<3	4.42	.02	.15	2	1
L73N 17+50E	<1	36	21	173	<.3	63	14	432	3.60	8	<5	<2	6	22	<.2	<2	<2	53	.17	.157	19	42	.60	332	.18	<3	5.35	.02	.20	2	1
L73N 18+00E	<1	17	26	223	<.3	37	12	891	2.87	3	<5	<2	4	22	.6	<2	<2	44	.28	.302	14	42	.48	425	.12	<3	3.98	.04	.18	<2	<1
STANDARD C2/AU-S	20	57	41	133	6.5	72	35	1173	4.03	37	22	7	34	53	20.4	15	14	71	.54	.106	41	61	.99	187	.07	24	2.11	.07	.16	11	43

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L73N 18+50E	<1	24	23	164	<.3	39	12	337	2.77	3	<5	<2	8	20	.2	3	<2	46	.27	.145	16	41	.52	356	.13	<3	3.89	.04	.18	<2	3
L73N 19+00E	<1	26	21	165	<.3	43	13	463	2.91	7	<5	<2	6	17	<.2	4	<2	47	.24	.098	19	40	.64	213	.12	3	3.45	.02	.21	<2	4
L73N 19+50E	1	18	22	123	<.3	36	10	354	2.71	5	<5	<2	5	18	<.2	<2	<2	44	.26	.105	10	30	.46	181	.18	<3	4.28	.03	.15	<2	1
L73N 20+00E	1	18	33	143	<.3	35	11	743	2.67	6	<5	<2	4	20	<.2	<2	2	48	.37	.171	11	35	.57	187	.12	<3	3.48	.03	.15	<2	1
L73N 20+50E	1	18	35	270	<.3	41	14	347	3.28	18	<5	<2	4	17	.5	<2	<2	60	.26	.105	11	36	.58	151	.12	<3	3.43	.02	.12	2	1
RE L73N 20+50E	<1	19	33	273	<.3	41	15	350	3.39	19	<5	<2	4	17	.5	<2	<2	61	.26	.105	12	38	.58	150	.12	<3	3.49	.02	.12	2	2
L73N 21+00E	1	16	24	192	<.3	40	14	955	2.66	11	<5	<2	4	25	.6	<2	<2	46	.71	.019	14	39	.62	156	.14	<3	4.15	.04	.09	2	1
L73N 21+50E	1	21	21	288	<.3	37	14	217	2.89	6	<5	<2	5	16	.7	<2	<2	58	.31	.082	12	36	.64	134	.11	<3	3.43	.02	.09	2	1
L73N 22+00E	1	19	28	268	<.3	30	11	804	2.56	17	<5	<2	4	17	.6	<2	<2	48	.25	.345	11	30	.47	224	.12	<3	3.67	.03	.11	<2	2
L73N 22+50E	1	22	56	256	<.3	38	11	425	2.88	2	<5	<2	6	19	.9	<2	<2	50	.29	.271	16	43	.57	330	.18	<3	4.23	.03	.14	<2	1
L73N 23+00E	<1	21	23	208	<.3	39	11	526	2.83	4	<5	<2	5	19	.6	<2	<2	47	.30	.291	17	47	.60	421	.18	<3	3.90	.03	.16	<2	1
L73N 23+50E	<1	16	41	253	<.3	37	10	659	2.69	3	<5	<2	5	24	1.1	<2	<2	47	.34	.245	15	43	.53	454	.18	5	4.02	.04	.18	<2	<1
L73N 24+00E	1	22	24	223	<.3	46	11	433	2.87	8	<5	<2	5	20	.3	<2	<2	52	.25	.187	12	46	.55	340	.19	<3	4.26	.03	.17	3	1
L73N 24+50E	<1	25	29	177	<.3	44	12	465	3.20	5	<5	<2	6	19	<.2	<2	<2	56	.27	.124	20	55	.70	349	.19	<3	3.93	.03	.19	<2	<1
L73N 25+00E	<1	18	19	288	<.3	34	11	700	2.55	8	<5	<2	4	18	.5	<2	<2	43	.23	.315	10	37	.50	250	.13	<3	3.43	.03	.17	<2	<1
L73N 25+50E	<1	22	13	135	<.3	49	11	415	2.74	6	<5	<2	6	22	<.2	<2	<2	46	.28	.200	16	50	.61	340	.18	<3	3.49	.03	.22	<2	1
L73N 26+00E	<1	26	13	110	<.3	61	13	352	2.88	4	<5	<2	6	29	<.2	<2	<2	46	.29	.125	22	57	.63	354	.18	<3	4.12	.03	.21	<2	<1
L73N 26+50E	1	23	15	170	.3	51	12	456	2.67	6	<5	<2	6	22	.2	<2	<2	41	.26	.300	15	50	.53	348	.15	<3	3.77	.03	.18	<2	1
L73N 27+00E	1	16	17	149	<.3	54	13	498	3.07	5	<5	<2	6	17	<.2	3	2	46	.20	.265	18	61	.70	272	.13	<3	3.77	.02	.21	<2	2
L73N 27+50E	<1	15	17	158	<.3	54	15	1054	3.28	2	<5	<2	6	17	<.2	<2	<2	52	.44	.193	19	70	.79	333	.11	<3	3.55	.02	.21	<2	7
L73N 28+00E	<1	21	17	196	<.3	41	13	281	2.74	5	<5	<2	6	16	<.2	<2	<2	47	.19	.195	13	38	.56	223	.14	<3	3.93	.03	.13	<2	<1
L73N 28+50E	1	168	33	284	<.3	140	16	4331	3.30	10	<5	<2	<2	39	2.9	5	<2	42	9.19	.088	77	37	.70	215	.12	<3	2.84	.03	.14	<2	1
L73N 29+00E	<1	21	42	440	<.3	30	10	3042	3.09	<2	<5	<2	6	33	2.2	2	<2	91	2.73	.486	27	45	1.83	341	.13	4	4.81	.04	.11	<2	<1
L73N 29+50E	1	21	19	176	<.3	39	12	736	2.73	6	<5	<2	7	16	<.2	<2	<2	50	.23	.183	14	47	.65	330	.12	<3	3.37	.02	.17	<2	35
L73N 30+00E	<1	28	22	184	<.3	40	11	622	2.78	13	<5	<2	6	24	.5	<2	2	53	.30	.172	15	31	.67	226	.19	<3	4.34	.04	.15	3	2
L73N 30+25E	1	25	22	285	<.3	34	10	1154	2.52	10	<5	<2	6	23	.8	<2	<2	45	.33	.285	11	25	.53	219	.19	<3	4.41	.03	.13	<2	1
L73N 30+50E	3	34	37	216	<.3	47	12	801	2.95	8	<5	<2	5	27	.7	2	2	44	.45	.098	25	42	.58	148	.22	<3	5.32	.05	.12	3	1
L73N 30+75E	2	24	50	220	<.3	44	17	1455	2.92	<2	<5	<2	4	37	.3	<2	<2	44	.33	.405	17	30	.34	401	.21	<3	5.11	.03	.13	<2	1
L73N 31+00E	10	31	23	102	<.3	23	8	309	3.12	4	<5	<2	3	8	<.2	<2	2	64	.08	.203	14	19	.33	81	.20	<3	5.55	.01	.07	<2	2
L73N 31+25E	5	33	58	111	<.3	30	89	2032	2.88	4	<5	<2	<2	10	<.2	<2	<2	52	.09	.275	21	25	.27	120	.11	<3	3.90	.01	.08	<2	1
L73N 31+50E	1	26	34	166	<.3	34	12	1093	3.06	3	<5	<2	4	14	<.2	<2	2	63	.16	.167	14	30	.47	151	.19	<3	4.10	.02	.11	<2	1
L73N 31+75E	1	32	35	198	<.3	48	17	1025	3.39	8	<5	<2	5	20	.4	<2	<2	65	.30	.221	20	40	.83	235	.20	<3	4.83	.02	.20	<2	<1
L73N 32+00E	1	20	32	141	<.3	43	12	1463	2.71	11	<5	<2	4	24	.2	<2	<2	53	.30	.120	16	37	.66	362	.19	<3	4.01	.03	.17	<2	<1
L73N 32+50E	2	23	39	196	<.3	35	14	1930	2.87	9	<5	<2	2	22	.7	<2	2	55	.29	.237	14	38	.66	344	.14	<3	3.41	.02	.17	<2	<1
L73N 33+00E	1	18	47	253	<.3	36	11	394	2.81	6	<5	<2	4	19	1.2	<2	3	61	.28	.088	12	27	.42	193	.19	<3	4.04	.03	.13	<2	1
STANDARD C2/AU-S	19	56	36	127	6.2	70	34	1118	3.92	34	18	6	33	51	19.2	14	13	69	.51	.102	40	65	.95	168	.07	24	1.99	.07	.16	10	47

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

Sultan Minerals PROJECT TUNGSTEN KING FILE # 96-4230

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L73N 33+50E	1	17	263	752	<.3	43	12	866	3.01	4	<5	<2	4	20	2.0	<2	<2	103	.51	.180	14	47	1.12	381	.14	<3	4.18	.02	.24	3	2
L73N 34+00E	3	26	917	3120	<.3	44	14	1571	3.31	8	<5	<2	4	24	13.3	3	<2	111	.84	.321	20	52	1.08	424	.11	<3	3.96	.02	.35	8	2
L73N 34+50E	1	23	92	598	<.3	46	14	1311	2.83	8	<5	<2	5	25	3.4	<2	<2	108	.65	.171	17	47	.89	443	.13	<3	4.05	.03	.25	9	1
L73N 35+00E	3	27	102	402	<.3	44	15	1481	3.01	5	<5	<2	6	25	3.3	2	2	96	.50	.157	24	52	.82	421	.13	<3	3.93	.01	.39	8	<1
L73N 35+50E	1	22	57	283	<.3	42	14	824	3.20	8	<5	<2	6	19	.6	2	<2	69	.39	.173	23	51	.74	320	.12	<3	3.70	.02	.49	7	2
L73N 36+00E	2	25	74	437	.3	40	14	1647	2.74	9	<5	<2	4	32	6.0	2	<2	69	.74	.382	19	48	.67	568	.10	<3	3.19	.03	.35	9	9
L73N 36+50E	<1	32	34	357	<.3	58	15	2327	3.03	7	<5	<2	6	37	2.5	2	2	74	.88	.270	20	48	.65	435	.12	<3	3.54	.03	.31	14	2
L73N 37+00E	2	95	76	401	.4	60	13	2164	2.50	6	5	<2	6	38	3.4	<2	<2	81	1.50	.192	24	32	.53	453	.08	<3	2.43	.02	.27	22	3
L73N 37+50E	2	37	49	409	<.3	47	14	2214	2.49	11	<5	<2	4	42	7.4	<2	<2	108	.76	.250	16	52	.71	786	.12	<3	3.45	.03	.25	5	2
RE L73N 37+50E	2	36	48	419	.3	47	14	2265	2.44	10	<5	<2	4	42	7.7	3	<2	107	.78	.254	16	49	.73	791	.12	<3	3.50	.03	.22	7	3
L73N 38+00E	2	40	46	441	<.3	50	15	1697	2.64	16	<5	<2	6	45	5.2	<2	<2	101	.88	.291	19	52	.75	878	.12	<3	3.71	.03	.27	3	3
L73N 38+50E	1	41	40	446	.3	54	13	788	2.91	10	<5	<2	6	31	2.6	<2	<2	125	.55	.253	21	48	.75	462	.19	<3	4.83	.03	.21	4	2
L73N 39+00E	3	32	48	508	.3	53	15	1360	2.70	16	<5	<2	5	29	3.3	3	<2	105	.57	.390	15	50	.77	752	.12	<3	3.82	.02	.21	2	1
L73N 39+50E	1	23	31	523	<.3	42	11	1766	2.46	8	<5	<2	3	42	7.1	<2	<2	82	.83	.554	12	45	.53	895	.13	<3	4.04	.04	.24	3	1
L73N 40+00E	1	19	34	549	<.3	44	11	641	2.41	8	<5	<2	7	33	3.8	<2	<2	90	.63	.468	12	37	.58	516	.14	<3	4.07	.04	.21	<2	1
L71N 16+00E	<1	14	21	240	<.3	41	11	1028	2.38	4	<5	<2	4	24	1.5	<2	<2	37	.32	.363	16	31	.46	427	.10	<3	3.23	.03	.19	<2	<1
L71N 16+50E	<1	15	20	214	<.3	31	10	502	2.36	7	<5	<2	4	21	.9	<2	<2	41	.30	.433	15	21	.46	264	.11	<3	3.65	.03	.15	<2	<1
L71N 17+00E	2	17	51	262	<.3	39	13	871	2.68	2	<5	<2	5	21	.7	<2	<2	51	.45	.268	17	39	.81	460	.11	<3	3.73	.03	.18	<2	1
L71N 17+50E	<1	22	68	271	<.3	47	14	607	2.81	3	<5	<2	4	18	.5	<2	<2	55	.32	.143	18	35	1.24	230	.12	<3	4.07	.03	.19	<2	2
L71N 18+00E	1	20	24	175	<.3	51	15	553	2.87	2	<5	<2	6	21	.2	<2	<2	53	.37	.084	21	40	.80	246	.13	3	3.72	.03	.23	2	6
L71N 18+50E	<1	24	21	253	<.3	59	14	365	3.03	19	<5	<2	5	26	.7	<2	<2	59	.42	.173	15	50	.70	415	.20	<3	4.83	.05	.17	<2	1
L71N 19+00E	<1	16	18	259	<.3	40	15	365	2.89	8	<5	<2	5	16	<.2	<2	<2	53	.21	.300	13	32	.52	142	.13	3	3.68	.02	.14	2	1
L71N 19+50E	1	17	21	202	<.3	37	12	449	2.45	5	<5	<2	5	20	.2	<2	<2	45	.22	.146	15	25	.46	192	.12	<3	3.58	.02	.17	<2	2
L71N 20+00E	<1	19	16	323	<.3	42	15	412	3.01	4	<5	<2	5	24	<.2	<2	<2	81	.32	.233	15	45	.71	282	.14	<3	3.52	.03	.18	<2	3
L71N 20+50E	<1	11	21	258	<.3	30	10	934	2.46	6	<5	<2	4	20	.3	<2	<2	46	.30	.327	9	27	.38	304	.14	<3	4.04	.04	.13	<2	1
L71N 21+00E	1	15	45	541	<.3	86	11	304	2.29	<2	<5	<2	4	34	1.8	<2	<2	149	.54	.317	8	175	.28	7187	.12	<3	3.93	.03	.15	<2	1
L71N 21+50E	<1	15	29	70	<.3	36	8	109	1.60	4	<5	<2	3	31	<.2	<2	<2	29	.71	.024	21	37	.48	392	.11	<3	3.02	.05	.11	<2	2
L71N 22+00E	1	22	178	603	<.3	51	13	822	3.19	6	<5	<2	5	31	3.7	3	<2	63	1.14	.108	25	40	.79	435	.12	<3	4.01	.03	.20	<2	2
L71N 22+50E	2	24	24	193	<.3	36	10	365	2.29	10	<5	<2	6	20	.6	<2	2	48	.21	.133	13	21	.43	202	.19	<3	4.55	.04	.11	<2	1
L71N 23+00E	1	21	18	235	<.3	36	12	602	2.33	14	<5	<2	6	20	.7	<2	<2	47	.27	.247	15	24	.43	196	.13	<3	3.58	.03	.13	<2	4
L71N 23+50E	1	17	19	226	<.3	40	11	987	2.43	12	<5	<2	4	20	.5	<2	<2	51	.22	.174	9	30	.43	387	.21	<3	4.39	.04	.12	<2	3
L71N 24+00E	1	19	18	216	<.3	42	10	836	2.31	15	<5	<2	4	32	.5	<2	<2	45	.34	.202	11	25	.39	330	.22	<3	4.79	.04	.11	<2	2
L71N 24+50E	<1	18	23	200	<.3	43	12	527	2.39	<2	<5	<2	6	28	<.2	<2	<2	47	.29	.189	21	38	.51	430	.13	<3	3.34	.03	.16	<2	1
L71N 25+00E	1	23	21	196	<.3	48	11	289	2.85	23	<5	<2	5	21	<.2	<2	<2	48	.21	.430	10	40	.50	420	.19	<3	5.12	.03	.19	<2	9
L71N 25+50E	1	22	14	188	<.3	50	12	301	2.65	4	<5	<2	5	32	<.2	<2	<2	51	.35	.198	15	47	.61	330	.20	<3	4.31	.04	.18	<2	4
STANDARD C2/AU-S	19	59	34	121	7.5	69	34	1176	4.02	36	26	9	40	61	18.7	22	14	75	.51	.108	45	66	.92	206	.07	24	2.08	.06	.16	10	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	Au* ppb
L71N 26+00E	2	22	15	120	<.3	43	14	516	2.71	3	<5	<2	7	26	<.2	<2	<2	48	.28	.150	19	49	.67	376	.10	<3	2.48	.02	.22	<2	2
L71N 26+50E	1	11	12	236	<.3	62	11	1128	2.32	2	<5	<2	4	25	.2	<2	<2	33	.25	.252	14	41	.40	466	.11	<3	2.85	.03	.18	<2	<1
L71N 27+00E	<1	17	13	179	<.3	49	12	382	2.83	4	<5	<2	5	18	.2	<2	<2	42	.23	.221	16	41	.50	283	.15	<3	3.99	.03	.17	<2	<1
L71N 27+50E	2	19	15	135	<.3	53	12	354	2.94	4	<5	<2	7	16	<.2	<2	<2	46	.19	.194	14	44	.59	234	.12	<3	3.62	.03	.19	<2	1
L71N 28+00E	<1	13	22	204	<.3	57	13	2038	2.48	2	<5	<2	5	22	.5	<2	<2	36	.23	.272	11	48	.44	425	.12	<3	3.11	.03	.18	<2	1
L71N 28+25E	1	14	13	159	<.3	40	11	762	2.52	2	<5	<2	5	15	.2	<2	<2	36	.19	.356	11	38	.43	281	.12	<3	3.59	.02	.14	<2	3
L71N 28+50E	<1	14	9	166	<.3	46	15	413	2.74	3	<5	<2	6	13	<.2	<2	<2	41	.17	.138	16	49	.63	230	.08	<3	2.38	.02	.17	<2	<1
L71N 28+75E	<1	36	29	404	<.3	47	13	698	2.96	2	<5	<2	7	20	1.3	<2	<2	51	.99	.288	20	46	.80	375	.12	<3	3.60	.03	.16	<2	1
L71N 29+00E	1	22	68	218	<.3	37	13	1351	3.03	6	<5	<2	7	25	.6	<2	<2	46	.68	.296	15	38	1.16	305	.13	<3	3.90	.03	.14	3	<1
L71N 29+25E	2	23	29	200	<.3	44	11	676	2.63	22	<5	<2	5	16	.7	<2	3	52	.22	.260	14	47	.61	400	.17	<3	3.82	.03	.14	2	2
L71N 29+50E	1	28	31	194	<.3	44	11	525	2.71	23	<5	<2	7	17	.9	<2	<2	55	.19	.231	14	40	.63	376	.16	<3	4.06	.03	.17	<2	2
L71N 29+75E	<1	21	72	284	<.3	40	13	942	3.16	6	<5	<2	6	48	1.6	<2	<2	61	.54	.336	18	36	3.37	247	.15	<3	4.40	.02	.15	2	1
L71N 30+00E	1	22	83	362	<.3	39	12	1721	2.77	9	<5	<2	5	29	2.4	<2	<2	52	.44	.176	15	39	.78	396	.13	<3	3.63	.03	.17	<2	<1
L71N 30+25E	3	25	71	710	<.3	44	14	958	2.98	5	<5	<2	7	24	5.4	<2	<2	55	.35	.169	18	36	.68	376	.13	<3	3.78	.03	.22	2	2
L71N 30+50E	1	32	33	160	<.3	44	15	1306	3.17	12	<5	<2	5	23	.7	<2	<2	71	.37	.165	22	48	.85	388	.12	<3	3.51	.01	.22	2	1
L71N 30+75E	1	29	45	172	<.3	41	14	1590	3.00	18	<5	<2	5	32	1.5	<2	<2	63	.44	.167	20	46	.73	448	.10	<3	3.30	.01	.26	4	1
RE L71N 30+75E	2	28	43	170	<.3	40	14	1554	2.95	18	<5	<2	5	32	1.5	<2	<2	63	.43	.167	19	46	.71	446	.10	<3	3.24	.01	.24	4	1
L71N 31+00E	1	28	35	210	<.3	49	14	988	3.02	22	<5	<2	6	25	1.0	<2	<2	71	.46	.160	18	51	.77	447	.11	<3	3.42	.02	.24	4	1
L71N 31+25E	4	46	26	195	.3	79	25	564	3.67	12	<5	<2	7	15	.3	<2	2	58	.21	.201	20	32	.68	131	.18	<3	4.19	.01	.26	<2	3
L71N 31+50E	1	35	35	211	<.3	46	16	1323	3.33	11	<5	<2	5	27	.8	<2	<2	63	.40	.217	16	51	.76	418	.18	<3	3.94	.03	.30	<2	1
L71N 32+00E	2	32	35	183	<.3	54	17	1041	3.45	10	<5	<2	6	35	.7	<2	<2	64	.52	.260	19	55	.96	392	.13	<3	3.77	.02	.38	4	1
L71N 32+50E	2	30	35	298	<.3	45	17	2388	3.12	9	<5	<2	5	34	2.3	<2	<2	64	.62	.295	16	56	.86	615	.10	<3	2.81	.02	.29	3	1
L71N 33+00E	2	23	34	230	<.3	44	15	1232	3.00	18	<5	<2	9	21	1.1	<2	<2	60	.44	.173	13	44	.80	397	.12	<3	3.40	.02	.32	2	<1
L71N 33+50E	2	39	37	264	<.3	60	19	852	3.51	20	<5	<2	5	24	1.3	<2	<2	84	.57	.141	15	60	1.22	408	.13	<3	3.49	.03	.32	3	2
L71N 34+00E	<1	30	31	220	<.3	44	15	954	3.07	17	<5	<2	4	32	.9	<2	<2	68	.72	.235	17	45	.72	402	.11	<3	3.68	.02	.25	<2	3
L71N 34+50E	1	34	33	231	<.3	51	17	1544	3.22	14	<5	<2	4	31	1.2	<2	<2	72	.60	.235	16	49	.80	567	.11	<3	3.38	.02	.30	<2	2
L71N 35+00E	2	32	48	295	<.3	46	15	1604	3.06	26	<5	<2	5	37	2.3	<2	<2	74	.82	.296	17	47	.73	541	.12	5	3.93	.03	.28	7	1
L71N 35+50E	3	40	51	297	<.3	47	15	1570	2.94	26	<5	<2	4	33	3.0	<2	<2	89	.62	.186	18	47	.82	519	.11	<3	3.73	.02	.24	41	2
L71N 36+00E	1	40	42	344	.3	48	16	2071	3.05	28	<5	<2	5	43	3.6	2	<2	93	.87	.260	16	56	.82	686	.11	4	3.81	.02	.26	<2	2
L69N 16+00E	2	21	38	222	<.3	32	10	932	2.57	6	<5	<2	5	25	.8	<2	<2	38	.28	.339	17	37	.67	494	.11	4	3.56	.04	.19	<2	<1
L69N 16+50E	2	26	80	232	<.3	41	14	1057	3.94	<2	<5	<2	8	43	1.4	<2	<2	55	1.04	.059	30	56	1.78	454	.11	<3	4.54	.04	.32	<2	1
L69N 17+00E	<1	25	56	210	<.3	39	13	726	3.28	<2	<5	<2	7	34	.7	<2	<2	48	.51	.071	22	43	1.59	347	.12	<3	4.37	.04	.22	<2	1
L69N 17+50E	2	23	330	392	.5	62	15	1178	4.05	22	<5	<2	8	28	1.5	5	<2	52	.82	.109	32	50	1.18	378	.09	3	3.55	.03	.24	<2	1
L69N 18+00E	1	16	152	354	<.3	31	8	1504	2.20	5	<5	<2	3	21	2.3	6	<2	54	1.14	.157	17	26	2.52	251	.09	<3	3.05	.02	.11	<2	<1
L69N 18+50E	1	26	83	248	<.3	41	14	1518	2.93	6	<5	<2	4	20	1.9	3	<2	51	1.02	.112	17	46	.89	279	.10	3	3.34	.02	.17	4	<1
STANDARD C2/AU-S	19	55	38	129	6.4	69	34	1153	3.88	38	21	7	34	52	20.0	20	15	68	.50	.106	39	59	.94	191	.06	23	1.96	.07	.16	11	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	Au* ppb
L69N 19+00E	1	18	87	200	<.3	30	10	829	2.29	<2	<5	<2	3	20	.8	3	<2	43	.57	.243	16	29	1.64	244	.10	3	3.24	.02	.12	<2	1
L69N 19+50E	<1	24	207	410	<.3	25	7	1360	2.51	4	<5	<2	5	46	2.3	2	<2	36	2.98	.648	22	29	.74	435	.12	3	3.72	.04	.12	<2	1
L69N 20+00E	<1	20	30	151	<.3	37	9	310	2.66	<2	<5	<2	5	23	.4	<2	<2	45	.38	.081	17	30	.68	240	.18	<3	4.25	.05	.17	2	1
L69N 20+50E	<1	11	94	415	<.3	16	5	846	1.76	4	<5	<2	3	34	1.4	2	2	32	1.26	.533	10	22	.48	442	.12	4	3.16	.05	.11	<2	<1
RE L69N 20+50E	<1	11	91	413	<.3	16	5	818	1.75	4	<5	<2	3	34	1.3	2	<2	32	1.20	.526	9	21	.47	435	.12	8	3.11	.05	.12	<2	<1
L69N 21+00E	1	19	61	390	<.3	30	9	333	2.62	3	<5	<2	5	20	1.1	<2	3	46	.34	.187	16	27	.55	211	.18	<3	4.39	.03	.12	<2	<1
L69N 21+50E	<1	12	28	280	<.3	24	9	864	2.27	5	<5	<2	5	16	.5	<2	<2	36	.21	.301	12	30	.35	374	.12	<3	3.16	.03	.11	<2	<1
L69N 22+00E	<1	16	37	424	<.3	36	10	275	2.33	4	<5	<2	6	20	1.1	<2	<2	41	.30	.151	18	38	.58	311	.10	<3	2.72	.03	.22	2	2
L69N 22+50E	1	17	56	612	<.3	33	9	470	2.50	5	<5	<2	6	20	2.8	<2	2	44	.28	.231	13	34	.47	367	.12	<3	3.44	.03	.16	<2	1
L69N 23+00E	<1	18	63	347	<.3	40	12	1424	2.76	10	<5	<2	6	25	.8	<2	<2	51	.34	.142	13	35	.56	275	.12	<3	3.19	.03	.17	2	<1
L69N 23+50E	1	17	40	274	<.3	32	11	799	2.81	7	<5	<2	6	16	.3	<2	<2	50	.17	.142	14	29	.53	243	.12	3	3.01	.02	.14	2	1
L69N 24+00E	<1	23	29	292	<.3	31	10	352	2.61	<2	<5	<2	6	21	.8	<2	<2	42	.30	.285	18	36	.47	291	.12	<3	3.93	.03	.19	<2	1
L69N 24+50E	1	22	21	211	<.3	42	11	334	2.73	2	<5	<2	5	29	.4	<2	2	43	.34	.299	14	40	.51	384	.15	<3	4.10	.03	.21	<2	<1
L69N 25+00E	1	23	18	179	<.3	56	13	562	3.02	3	<5	<2	6	24	<.2	<2	<2	49	.28	.135	20	51	.65	397	.13	<3	3.62	.03	.29	<2	1
L69N 25+50E	<1	28	16	183	<.3	59	14	585	3.19	3	<5	<2	7	29	<.2	<2	<2	48	.34	.262	24	57	.65	415	.12	<3	3.71	.03	.32	<2	4
L69N 26+00E	1	21	17	153	<.3	50	13	715	2.80	5	<5	<2	6	31	<.2	<2	2	45	.33	.214	23	48	.59	384	.11	<3	3.26	.02	.25	<2	2
L69N 26+50E	1	28	17	146	<.3	57	14	1161	2.97	2	<5	<2	6	33	<.2	<2	2	45	.41	.163	26	50	.56	373	.16	<3	4.03	.03	.28	2	2
L69N 27+00E	<1	19	21	157	<.3	55	13	712	2.95	3	<5	<2	6	37	<.2	<2	<2	46	.44	.191	23	49	.63	391	.12	<3	3.49	.02	.27	<2	3
L69N 27+25E	<1	24	112	849	<.3	46	12	498	3.43	5	<5	<2	7	24	5.2	<2	<2	51	.31	.155	24	52	.74	353	.17	<3	4.02	.03	.26	<2	1
L69N 27+50E	<1	16	22	195	<.3	49	11	723	2.65	8	<5	<2	5	37	.3	2	<2	40	.46	.430	15	49	.50	551	.12	3	3.43	.03	.20	<2	2
L69N 28+00E	<1	22	52	445	<.3	48	16	796	3.89	5	<5	<2	7	26	.7	<2	<2	66	.47	.135	23	58	1.11	268	.14	<3	3.19	.02	.25	<2	2
L69N 28+25E	1	24	54	370	<.3	62	20	843	4.15	9	<5	<2	6	24	.3	3	<2	61	.51	.234	18	57	.99	262	.13	<3	3.74	.02	.39	<2	1
L69N 28+50E	1	21	16	156	<.3	52	12	595	2.77	2	<5	<2	6	24	<.2	<2	<2	45	.75	.217	20	46	.65	280	.12	<3	3.40	.03	.22	<2	1
L69N 28+75E	1	16	25	201	<.3	49	11	577	2.75	7	<5	<2	6	31	<.2	<2	<2	46	.39	.284	18	41	.53	378	.10	<3	2.83	.03	.17	<2	3
L69N 29+00E	1	12	19	168	<.3	37	10	632	2.36	10	<5	<2	5	26	.2	<2	<2	37	.30	.401	13	43	.44	382	.09	<3	2.39	.02	.20	<2	1
L69N 29+25E	1	25	17	183	<.3	46	13	346	2.66	9	<5	<2	5	24	.3	<2	<2	48	.28	.197	13	45	.61	370	.12	<3	3.23	.04	.20	<2	1
L69N 29+50E	1	27	17	175	<.3	45	13	466	2.53	7	<5	<2	6	22	.2	<2	<2	47	.27	.119	15	42	.61	310	.11	<3	2.82	.03	.18	<2	2
L69N 29+75E	2	48	60	286	<.3	52	18	1299	3.98	9	<5	<2	5	37	1.2	<2	3	57	.37	.189	21	55	1.04	368	.12	<3	3.66	.02	.30	8	75
L69N 30+00E	1	34	20	154	<.3	56	15	371	3.23	12	<5	<2	6	25	<.2	<2	<2	59	.38	.126	19	45	.79	228	.13	<3	3.61	.03	.26	2	3
L69N 30+25E	2	29	26	154	<.3	50	16	1446	2.95	14	<5	<2	3	45	.7	3	<2	51	.89	.103	15	54	.72	485	.10	3	2.72	.02	.25	<2	2
L69N 30+50E	1	31	27	190	<.3	52	16	1000	3.30	16	<5	<2	5	29	1.0	<2	2	63	.53	.195	18	53	.88	415	.12	<3	3.88	.02	.26	3	1
L69N 30+75E	<1	29	29	186	<.3	45	14	1511	2.96	15	<5	<2	5	31	1.3	<2	2	60	.65	.233	17	48	.78	424	.11	<3	3.22	.02	.25	2	2
L69N 31+00E	2	28	29	264	<.3	51	15	1043	3.30	25	<5	<2	6	29	1.3	2	2	66	.52	.290	17	52	.81	475	.15	<3	4.03	.03	.28	4	2
L69N 31+50E	1	41	29	313	<.3	55	14	480	3.09	28	<5	<2	6	26	1.6	<2	<2	89	.43	.133	21	39	.74	231	.19	<3	4.39	.03	.20	5	5
L69N 32+00E	1	25	65	425	<.3	44	13	783	2.95	16	<5	<2	8	26	2.5	<2	2	71	.47	.297	15	45	.70	312	.11	<3	3.47	.02	.23	5	1
L69N 32+50E	2	26	107	500	<.3	46	14	545	3.25	18	<5	<2	8	20	2.9	<2	2	81	.40	.119	17	44	.81	259	.14	<3	3.99	.03	.30	5	3
STANDARD C2/AU-S	19	58	39	132	6.9	71	35	1145	3.99	37	22	7	34	54	19.8	19	14	71	.52	.104	40	64	.97	194	.07	25	2.03	.07	.17	10	54

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 TUNGSTEN KING File # 96-4231 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	Au* ppb
L79N 26+25E	1	20	95	351	<.3	41	9	689	2.92	3	<5	<2	6	18	1.2	<2	<2	56	.33	.390	13	30	.84	307	.20	6	5.49	.03	.10	<2	<1
L79N 26+75E	1	26	28	229	<.3	46	10	417	2.86	<2	<5	<2	7	18	.7	2	<2	59	.28	.183	16	36	.68	464	.17	6	4.26	.02	.12	<2	<1
L79N 27+25E	1	17	19	217	<.3	35	8	304	2.60	25	<5	<2	5	17	.7	5	<2	48	.24	.264	9	27	.44	285	.18	4	4.76	.03	.09	<2	<1
L79N 27+75E	1	30	45	735	.8	46	11	2203	2.88	102	<5	<2	5	25	9.5	2	<2	50	.92	.121	18	43	.79	298	.16	5	4.13	.03	.12	<2	<1
L79N 28+25E	<1	23	257	789	<.3	33	10	3102	3.67	<2	<5	<2	8	26	2.3	<2	<2	77	1.38	.358	31	36	.77	257	.20	6	5.73	.03	.09	<2	<1
L79N 28+75E	1	34	47	238	<.3	42	12	616	3.26	<2	<5	<2	9	28	.6	<2	3	64	.61	.175	29	41	1.10	283	.19	4	5.08	.03	.14	<2	<1
L79N 29+25E	1	33	30	203	<.3	41	11	370	3.24	4	<5	<2	8	24	.9	<2	<2	57	.47	.168	28	39	.88	254	.23	4	6.38	.04	.12	2	<1
L79N 29+75E	1	19	48	307	<.3	34	8	1396	3.41	<2	<5	<2	9	26	2.1	<2	<2	69	1.62	.333	25	42	5.31	202	.23	4	6.45	.02	.06	<2	<1
L79N 30+25E	2	48	312	2094	<.3	80	16	773	4.14	3	<5	<2	9	31	14.2	3	<2	66	.68	.099	39	65	.98	171	.28	6	5.51	.06	.20	<2	<1
L79N 30+50E	1	52	245	2257	.3	74	16	2765	4.09	<2	<5	<2	8	36	42.4	<2	<2	59	.86	.222	31	58	.96	364	.29	4	5.29	.08	.27	<2	<1
L79N 30+75E	2	62	405	1933	.6	66	15	1635	3.61	2	<5	<2	6	31	15.2	4	<2	54	.69	.080	42	49	.65	265	.24	7	4.51	.06	.17	<2	1
L79N 31+00E	1	33	22	225	<.3	45	15	950	4.35	<2	<5	<2	6	25	.8	5	<2	66	.48	.087	16	48	.92	242	.31	5	6.40	.04	.22	3	<1
L78N 26+50E	1	21	63	203	<.3	40	10	637	2.92	2	<5	<2	7	20	.4	<2	<2	65	.55	.280	17	32	.80	314	.17	4	4.88	.02	.13	<2	<1
L78N 26+75E	1	26	22	200	<.3	45	9	405	2.68	4	6	<2	6	18	.7	<2	2	49	.25	.259	13	34	.61	319	.19	3	5.22	.03	.10	<2	<1
L78N 27+00E	1	28	46	350	<.3	54	11	336	3.19	21	<5	<2	7	16	1.3	<2	<2	69	.27	.237	15	43	1.04	273	.18	<3	5.21	.03	.08	<2	2
L78N 27+25E	1	31	67	581	.3	62	10	1661	2.87	217	<5	<2	5	29	3.4	<2	3	50	.91	.085	28	45	.72	310	.19	6	4.55	.04	.11	<2	<1
L78N 27+50E	1	29	35	666	.6	39	9	1949	2.69	128	<5	<2	5	32	5.1	<2	3	44	2.14	.077	21	39	.64	343	.16	6	3.97	.04	.12	<2	<1
L78N 27+75E	1	30	61	267	<.3	39	10	1005	3.30	3	<5	<2	7	23	.8	<2	<2	59	.58	.277	25	35	.76	347	.21	4	5.84	.04	.12	<2	<1
L78N 28+00E	1	25	30	176	<.3	40	10	457	2.87	<2	<5	<2	8	21	.4	5	<2	60	.39	.145	18	37	.94	392	.16	5	4.46	.02	.12	<2	<1
L78N 28+25E	1	27	26	116	<.3	46	12	502	3.19	3	<5	<2	14	18	.5	<2	<2	49	.29	.083	19	35	.73	289	.14	3	4.02	.02	.11	<2	3
L78N 28+50E	1	23	113	246	<.3	41	11	1119	3.64	<2	<5	<2	10	19	.9	<2	2	70	.62	.265	23	43	2.42	281	.20	3	5.94	.02	.10	<2	<1
L78N 28+75E	1	21	41	271	<.3	32	8	969	3.12	<2	<5	<2	8	23	.8	<2	2	65	.67	.364	20	34	2.21	273	.22	5	6.41	.04	.09	<2	<1
L78N 29+00E	1	24	33	204	<.3	41	11	599	3.02	2	<5	<2	8	19	.5	<2	3	57	.36	.198	18	42	1.22	274	.19	3	4.97	.03	.15	<2	<1
L78N 29+25E	1	40	89	444	.3	52	10	2170	2.94	11	<5	<2	6	36	4.3	<2	2	57	1.33	.122	28	44	1.74	217	.17	5	4.10	.05	.13	<2	1
RE L78N 29+25E	1	38	77	417	<.3	50	9	2030	2.75	10	<5	<2	5	34	3.9	<2	<2	53	1.24	.117	26	41	1.63	208	.17	5	3.87	.04	.12	<2	3
L78N 29+50E	3	32	106	699	<.3	65	15	647	3.63	7	<5	<2	7	23	2.9	<2	<2	67	.44	.104	19	50	1.14	197	.23	3	4.84	.03	.17	<2	<1
L78N 29+75E	2	19	60	493	<.3	49	12	1078	3.21	9	<5	<2	5	23	2.1	<2	<2	57	.48	.207	14	40	.90	311	.22	5	4.45	.03	.19	<2	1
L78N 30+00E	<1	24	36	200	<.3	50	13	461	3.16	18	<5	<2	6	21	.8	2	<2	62	.38	.107	16	35	.94	258	.23	5	5.73	.04	.17	3	1
L78N 30+25E	1	26	28	211	<.3	45	14	509	3.36	9	7	<2	6	22	.8	3	<2	64	.54	.094	16	35	.74	254	.24	6	5.72	.03	.17	2	<1
L78N 30+50E	4	33	42	427	<.3	51	23	3355	3.91	5	<5	<2	4	32	1.8	<2	<2	66	.62	.224	15	46	.88	598	.20	3	3.75	.02	.27	4	1
L78N 30+75E	3	37	24	241	<.3	60	24	2377	4.15	<2	<5	<2	5	35	1.0	<2	<2	59	.66	.077	13	49	.89	401	.25	3	3.89	.03	.29	20	<1
L77N 26+25E	1	18	59	210	<.3	27	8	779	2.45	4	5	<2	3	16	1.0	3	<2	46	.36	.337	14	26	.75	303	.13	3	4.01	.02	.10	2	<1
L77N 26+75E	1	21	52	268	<.3	31	7	849	2.45	6	<5	<2	5	23	1.1	<2	<2	45	.35	.323	14	27	.54	356	.16	4	4.35	.03	.12	<2	<1
L77N 27+25E	1	63	15	121	.3	23	2	284	1.16	85	<5	<2	<2	57	3.6	<2	<2	17	13.65	.130	13	36	.21	197	.07	9	2.77	.04	.06	<2	1
L77N 27+75E	1	27	17	125	.3	32	9	164	2.44	4	<5	<2	7	17	.3	<2	<2	45	.20	.105	22	29	.47	286	.15	<3	3.89	.02	.12	<2	1
STANDARD C2/AU-S	21	60	39	141	6.7	75	35	1169	3.94	40	16	8	36	53	20.7	18	17	73	.54	.105	43	66	1.00	202	.08	28	2.05	.06	.13	11	46

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

DATE RECEIVED: SEP 3 1996 **DATE REPORT MAILED:** Sept 16/96 **SIGNED BY** ......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Sultan Minerals PROJECT TUNGSTEN KING FILE # 96-4231

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	Au* ppb
L77N 28+25E	3	26	24	181	<.3	33	9	476	2.56	6	<5	<2	6	17	.4	2	<2	48	.25	.266	16	27	.49	331	.18	5	4.66	.03	.11	<2	2
L77N 28+75E	<1	15	48	290	<.3	37	7	2706	2.94	<2	7	<2	9	40	1.5	<2	<2	72	3.55	.352	26	46	6.99	340	.21	6	5.53	.03	.07	<2	<1
L77N 29+25E	2	22	26	288	<.3	37	10	545	2.67	2	<5	<2	6	17	.6	<2	3	49	.26	.237	16	33	.69	245	.17	5	4.36	.03	.14	<2	2
L77N 29+75E	1	29	33	205	<.3	62	17	1162	3.40	8	<5	<2	7	23	.6	<2	<2	67	.47	.113	16	50	1.25	338	.20	4	4.52	.04	.28	<2	14
L77N 30+25E	3	29	27	184	<.3	45	14	1311	3.37	<2	<5	<2	6	28	.8	<2	<2	54	.58	.119	22	34	1.35	207	.23	4	5.89	.03	.13	4	1
L77N 30+50E	4	24	19	384	<.3	46	18	1564	4.20	<2	<5	<2	6	33	1.8	<2	3	48	1.56	.114	15	52	3.17	298	.26	8	4.86	.02	.48	13	<1
L77N 30+75E	3	52	33	247	<.3	51	17	2517	3.60	<2	<5	<2	6	28	1.0	<2	<2	45	.63	.234	18	28	1.28	288	.23	5	5.14	.04	.16	<2	<1
L77N 31+00E	1	27	30	234	<.3	36	12	3544	3.12	<2	<5	<2	4	35	1.3	<2	2	48	.62	.204	19	25	.90	431	.21	7	5.28	.03	.16	<2	<1
L77N 31+25E	6	31	47	360	<.3	46	14	2575	3.53	<2	<5	<2	4	33	1.6	<2	2	67	.50	.192	20	39	1.25	379	.22	4	5.07	.03	.16	3	2
L77N 31+50E	4	37	36	392	<.3	60	27	3629	3.94	<2	<5	<2	3	40	1.3	<2	2	55	.75	.310	17	29	.72	342	.18	7	4.44	.02	.18	2	<1
L77N 31+75E	7	71	169	375	<.3	66	32	2110	3.91	<2	<5	<2	7	29	1.2	<2	2	52	.33	.093	25	21	.44	173	.27	7	7.28	.03	.15	<2	26
L77N 32+00E	4	35	69	203	<.3	39	26	1811	3.02	7	<5	<2	<2	17	1.3	<2	2	63	.20	.155	17	28	.52	156	.12	<3	3.42	.01	.12	<2	2
RE L77N 32+00E	4	35	69	199	<.3	38	26	1782	2.94	6	<5	<2	<2	17	1.3	3	2	61	.19	.153	16	27	.51	154	.12	3	3.31	.01	.12	2	1
L77N 32+50E	2	31	84	227	<.3	44	19	2200	3.07	12	<5	<2	2	28	1.1	2	3	71	.38	.137	17	34	.64	256	.15	4	3.79	.01	.15	4	2
L77N 33+00E	2	40	43	265	<.3	59	15	1604	3.12	13	<5	<2	5	27	1.9	<2	2	81	.46	.151	19	43	.85	393	.18	4	4.05	.02	.19	8	1
L77N 33+50E	2	26	34	240	<.3	42	10	526	2.85	<2	<5	<2	6	20	.9	<2	2	61	.32	.189	16	35	.57	253	.20	5	5.11	.03	.13	<2	2
L77N 34+00E	1	18	52	402	<.3	41	10	801	2.81	3	<5	<2	5	22	1.8	<2	<2	63	.28	.339	10	33	.48	302	.19	4	4.59	.03	.12	<2	1
L77N 34+50E	2	24	35	279	<.3	45	13	442	3.19	5	<5	<2	5	26	.7	<2	<2	71	.35	.403	15	43	.63	261	.18	3	4.72	.02	.17	2	1
L77N 35+00E	3	23	45	208	<.3	29	13	2042	3.04	<2	<5	<2	<2	30	1.9	<2	<2	61	.38	.247	15	29	.49	317	.12	3	3.33	.01	.19	<2	3
L77N 35+50E	7	14	146	363	.4	23	6	1266	2.28	4	5	<2	3	31	2.5	<2	6	53	.37	.117	10	17	.33	510	.10	4	2.45	.01	.11	<2	<1
L77N 36+00E	3	21	83	794	<.3	22	8	4947	2.61	<2	12	<2	4	26	9.1	2	2	50	.35	.272	14	20	.36	518	.14	5	3.72	.01	.12	<2	<1
L77N 36+50E	1	21	36	1072	<.3	50	8	625	2.48	5	<5	<2	5	20	9.9	<2	3	104	.38	.275	13	30	.49	403	.15	4	3.65	.03	.16	<2	1
L77N 37+00E	2	45	87	405	.3	42	11	311	2.96	5	<5	<2	9	21	1.8	2	<2	98	.38	.117	26	36	.71	325	.18	5	4.26	.03	.22	6	28
L77N 37+50E	2	16	194	726	<.3	34	9	438	2.65	4	<5	<2	7	18	8.1	2	<2	64	.44	.243	19	36	.58	304	.12	6	2.69	.02	.24	4	9
L77N 38+00E	2	27	174	526	<.3	43	10	610	2.54	2	6	<2	6	20	2.7	3	3	140	.52	.142	20	39	.73	349	.12	3	2.52	.02	.27	6	2
L77N 38+50E	2	34	81	331	<.3	52	15	714	3.41	6	<5	<2	7	18	1.5	<2	5	97	.53	.075	21	52	.95	319	.15	3	3.65	.01	.39	6	3
L77N 39+00E	2	29	158	504	<.3	44	10	949	2.68	5	<5	<2	5	18	3.1	2	3	140	.69	.153	22	43	.80	325	.10	7	2.45	.02	.28	6	2
L77N 39+50E	2	40	167	582	.3	62	11	1218	2.90	<2	<5	<2	6	38	3.0	3	3	164	1.88	.684	28	45	1.02	396	.12	7	4.26	.02	.27	6	1
L77N 40+00E	2	58	114	596	.8	70	12	1174	3.00	3	9	<2	7	20	4.2	<2	3	226	.79	.228	26	46	.87	280	.12	3	3.71	.01	.24	2	1
L76N 26+25E	1	29	20	168	<.3	45	12	331	3.09	9	<5	<2	8	16	.6	3	<2	59	.26	.168	19	43	.69	266	.16	4	4.56	.02	.17	2	<1
L76N 26+50E	1	29	24	175	<.3	36	11	224	2.96	3	<5	<2	8	23	.8	3	2	52	.35	.168	25	30	.58	219	.21	4	6.03	.04	.10	<2	1
L76N 26+75E	1	20	33	351	<.3	27	8	611	2.69	<2	<5	<2	6	15	.5	<2	<2	50	.24	.246	14	25	.46	272	.19	3	4.92	.03	.08	<2	<1
L76N 27+00E	1	46	20	180	.5	30	8	1041	2.19	47	<5	<2	4	40	1.6	<2	2	37	4.61	.079	27	32	.41	238	.14	6	3.13	.05	.10	<2	1
L76N 27+25E	<1	38	51	327	<.3	43	11	355	3.66	105	<5	<2	8	58	1.2	<2	<2	98	1.80	.262	41	81	1.21	207	.32	6	3.72	.04	.08	<2	1
L76N 27+50E	6	19	19	387	<.3	77	13	1365	3.26	<2	<5	<2	5	26	.9	<2	4	57	.45	.236	12	54	1.18	305	.28	3	4.39	.02	.13	8	<1
STANDARD C2/AU-S	21	60	42	143	6.7	76	35	1178	3.93	38	22	7	37	54	20.2	15	19	75	.54	.106	44	68	1.02	208	.09	29	2.11	.06	.15	10	44

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	Au* ppb
L76N 27+75E	<1	21	126	1656	.4	18	6	3711	1.62	<2	<5	<2	3	70	3.9	<2	<2	59	16.40	.316	16	25	1.70	268	.06	9	2.14	.02	.05	<2	<1
L76N 28+00E	<1	19	88	2113	<.3	40	11	3732	3.42	<2	<5	<2	10	28	3.4	<2	<2	91	1.88	.295	32	46	1.67	315	.16	7	5.42	.04	.09	<2	1
L76N 28+25E	1	27	27	290	<.3	41	11	508	3.19	<2	<5	<2	9	23	.5	2	2	66	.52	.211	24	42	1.80	281	.18	4	5.16	.03	.13	<2	1
L76N 28+50E	1	31	25	319	<.3	43	11	471	2.90	5	<5	<2	9	19	.6	<2	<2	58	.35	.187	20	41	1.16	215	.14	4	3.78	.02	.17	<2	1
L76N 28+75E	5	27	15	437	<.3	33	12	806	3.14	<2	<5	<2	6	23	1.0	<2	4	44	.40	.330	14	28	.65	187	.20	5	5.35	.04	.16	<2	<1
L76N 29+00E	2	23	28	273	<.3	39	11	839	2.97	3	<5	<2	6	17	.6	2	<2	57	.28	.244	11	32	.91	249	.20	6	5.31	.03	.12	<2	2
L76N 29+25E	2	28	28	343	<.3	42	11	664	3.15	<2	<5	<2	6	22	.6	<2	<2	53	.39	.180	13	29	.80	230	.22	5	5.97	.03	.12	<2	<1
L76N 29+50E	1	30	33	241	<.3	50	13	1108	3.23	4	<5	<2	7	21	.6	<2	<2	58	.29	.207	16	41	.88	296	.20	3	4.70	.02	.20	<2	<1
L76N 29+75E	5	70	38	313	<.3	136	65	2852	5.47	<2	<5	<2	10	41	1.0	<2	<2	59	.87	.133	24	59	1.40	410	.28	5	5.24	.04	.54	14	1
L76N 30+00E	1	24	29	144	<.3	32	9	1158	2.94	<2	<5	<2	8	33	.5	3	2	55	.94	.157	26	34	3.84	221	.19	6	5.17	.04	.13	2	1
RE L76N 30+00E	1	24	28	146	<.3	33	9	1160	2.95	<2	<5	<2	9	33	.5	<2	<2	55	.95	.158	26	34	3.88	221	.19	5	5.19	.04	.13	<2	1
L76N 30+25E	1	15	38	154	<.3	32	8	1526	3.19	<2	<5	<2	10	32	.5	<2	<2	66	2.34	.399	35	38	5.78	260	.21	7	5.99	.03	.10	<2	<1
L76N 30+50E	1	9	31	188	<.3	26	6	1854	2.75	<2	6	<2	9	37	.8	<2	<2	63	4.02	.483	30	39	8.94	237	.17	8	5.44	.02	.06	<2	<1
L76N 30+75E	2	30	19	143	<.3	31	12	1895	2.87	<2	<5	<2	4	24	.3	2	<2	46	.33	.193	16	20	.52	281	.22	4	6.18	.04	.11	<2	<1
L76N 31+00E	4	42	18	352	<.3	99	24	1543	4.69	<2	<5	<2	7	34	.4	2	<2	96	.59	.110	19	74	2.50	522	.30	5	5.35	.03	.20	<2	1
L76N 31+25E	2	30	27	308	<.3	64	16	2129	3.47	2	<5	<2	7	34	1.1	3	<2	61	.46	.254	23	44	.86	563	.23	7	5.52	.03	.17	<2	<1
L76N 31+50E	4	34	79	378	<.3	46	16	2762	4.15	2	<5	<2	7	49	2.4	<2	<2	74	1.40	.191	27	39	2.41	348	.21	7	5.44	.02	.15	4	2
L75N 27+25E	3	23	42	313	<.3	35	11	769	2.85	10	<5	<2	6	16	.7	2	<2	51	.38	.205	16	34	.59	247	.16	4	4.22	.02	.13	3	1
L75N 27+75E	1	28	18	142	<.3	51	11	284	2.81	4	<5	<2	8	17	.2	2	2	56	.26	.147	19	48	1.00	304	.16	4	3.84	.02	.15	<2	1
L75N 28+25E	1	23	19	171	<.3	44	10	597	2.70	3	<5	<2	8	19	.4	<2	2	51	.29	.158	17	37	.80	275	.16	3	4.24	.02	.16	<2	1
L75N 28+75E	<1	17	29	471	<.3	35	9	697	3.15	<2	5	<2	9	21	1.3	<2	<2	61	.77	.660	14	34	2.81	199	.20	5	6.07	.02	.10	<2	<1
L75N 29+25E	1	32	16	202	<.3	51	18	1782	3.62	<2	<5	<2	6	22	.5	2	<2	61	.28	.143	17	32	.72	297	.24	4	5.45	.02	.18	<2	<1
L75N 29+75E	2	24	31	148	<.3	26	8	755	2.89	<2	<5	<2	8	28	.3	3	<2	52	.74	.163	27	28	2.84	197	.22	5	5.97	.04	.09	<2	<1
L75N 30+25E	1	22	47	167	<.3	33	10	1389	3.48	<2	<5	<2	9	29	.9	4	<2	74	.78	.176	30	39	2.87	261	.25	6	7.21	.04	.11	2	<1
L75N 30+50E	<1	15	36	119	.5	13	3	1061	1.43	3	<5	<2	3	89	.8	<2	<2	33	15.91	.206	13	19	9.16	110	.08	9	2.21	.01	.05	<2	1
L75N 30+75E	2	37	28	229	<.3	111	20	1316	4.42	<2	<5	<2	10	31	.6	3	<2	73	.63	.228	26	126	3.08	389	.29	5	5.80	.03	.19	<2	<1
L75N 31+00E	8	18	33	421	<.3	37	13	2588	3.16	<2	<5	<2	5	25	.7	<2	2	46	.45	.338	12	29	.81	320	.19	6	4.27	.02	.16	4	1
L75N 31+25E	1	17	125	518	.4	30	8	4796	3.68	2	<5	<2	7	120	2.1	<2	2	62	4.62	.581	31	36	9.42	598	.16	18	4.95	.02	.08	<2	1
L75N 31+50E	3	33	53	224	.3	78	52	2213	2.96	10	<5	<2	2	18	1.4	4	2	64	.22	.173	22	39	.54	249	.12	3	3.85	.01	.10	2	1
L75N 32+00E	2	19	61	163	.3	24	11	1244	3.99	97	<5	<2	5	18	.3	2	<2	66	.16	.206	14	30	.36	271	.18	3	2.13	.01	.10	<2	4
L75N 32+50E	2	27	34	240	<.3	61	13	1618	2.77	7	<5	<2	5	19	.6	2	<2	58	.21	.194	16	28	.51	281	.19	3	4.50	.02	.13	<2	<1
L75N 33+00E	1	34	39	344	<.3	49	12	876	3.00	19	<5	<2	6	21	2.0	3	<2	100	.40	.172	15	42	.74	281	.20	4	4.45	.02	.15	2	1
L75N 33+50E	1	36	138	535	.7	46	10	494	3.25	5	<5	<2	9	28	3.9	2	<2	75	.47	.113	26	43	.68	417	.18	8	5.32	.03	.23	<2	1
L75N 34+00E	2	33	112	435	.3	49	12	586	3.33	9	<5	<2	9	20	1.2	<2	3	84	.40	.169	21	47	.79	334	.17	4	4.81	.02	.29	5	<1
L75N 34+50E	2	28	65	413	.3	41	11	836	2.91	8	<5	<2	7	22	2.1	4	<2	73	.37	.243	22	40	.67	375	.17	4	4.15	.03	.26	4	<1
STANDARD C2/AU-S	21	59	41	139	6.6	73	35	1137	3.87	38	18	8	39	51	19.9	17	19	73	.55	.109	42	65	1.00	194	.08	28	2.03	.06	.14	10	54

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L75N 35+00E	2	27	76	423	.3	42	11	692	3.18	6	<5	<2	9	18	2.2	<2	<2	75	.36	.223	23	40	.70	387	.17	5	4.54	.03	.23	3	7
L75N 35+50E	2	33	63	412	.3	51	12	969	3.17	2	<5	<2	9	23	3.2	<2	<2	109	.49	.215	23	46	.87	532	.16	6	3.91	.02	.26	4	2
L75N 36+00E	1	27	54	343	.4	50	12	708	3.11	6	<5	<2	8	23	3.5	<2	<2	78	.48	.252	21	40	.72	405	.17	6	4.37	.02	.20	3	1
L75N 36+50E	3	35	66	476	.3	58	16	2213	3.31	15	<5	<2	6	27	5.5	3	<2	88	.64	.173	18	47	.88	756	.14	7	3.60	.01	.30	5	3
L75N 37+00E	2	31	40	720	.4	59	11	850	2.90	<2	<5	<2	8	29	13.0	<2	2	76	.62	.455	22	30	.69	891	.16	7	4.68	.03	.16	4	7
RE L75N 37+00E	2	32	43	754	.4	64	12	900	3.04	5	<5	<2	8	30	13.3	<2	3	78	.64	.476	23	32	.72	937	.17	5	4.92	.03	.17	<2	2
L75N 37+50E	3	39	48	674	1.0	75	13	901	3.03	7	<5	<2	7	27	6.5	<2	4	127	.75	.316	20	41	.94	1397	.11	4	3.41	.01	.22	<2	3
L75N 38+00E	2	61	50	835	.7	84	17	1146	3.72	<2	<5	<2	10	31	9.8	<2	2	126	.88	.305	26	54	1.30	1039	.16	5	5.26	.02	.33	<2	3
L75N 38+50E	2	42	42	572	.4	52	14	2473	2.82	9	<5	<2	6	53	11.8	<2	2	118	1.01	.507	18	39	.78	1148	.15	6	4.41	.03	.23	2	3
L75N 39+00E	2	51	47	585	.5	76	17	935	3.22	2	<5	<2	8	26	4.2	4	3	180	.61	.101	17	55	1.25	605	.17	6	4.28	.02	.24	4	1
L75N 39+50E	1	31	104	1835	.6	31	6	810	1.55	4	<5	<2	3	42	33.8	<2	2	57	19.15	.139	10	24	.36	270	.09	7	1.99	.02	.12	2	1
L75N 40+00E	2	58	52	566	.5	69	14	1079	3.07	<2	<5	<2	7	32	4.9	<2	2	193	.83	.149	16	53	1.20	622	.18	6	4.74	.03	.23	<2	3
L75N 40+50E	2	43	53	639	.4	60	13	1198	2.96	<2	<5	<2	7	34	5.8	3	3	125	.85	.285	19	44	.91	1093	.14	6	4.23	.01	.24	<2	1
L74N 27+50E	1	33	21	187	.4	45	11	228	3.20	<2	<5	<2	9	23	.7	<2	<2	56	.39	.210	22	44	.97	302	.19	3	5.64	.04	.15	<2	1
L74N 27+75E	1	25	22	234	<.3	45	14	206	3.09	11	<5	<2	9	15	.4	<2	<2	59	.45	.078	18	45	.71	219	.13	4	3.63	.02	.12	<2	3
L74N 28+00E	1	21	22	264	.3	37	11	335	2.89	6	<5	<2	7	16	.5	2	2	53	.24	.195	13	32	.47	251	.16	3	4.39	.02	.09	<2	2
L74N 28+25E	2	35	32	353	.4	57	14	358	3.50	7	<5	<2	10	24	1.3	<2	<2	61	.29	.113	17	47	.84	231	.22	3	5.98	.04	.10	<2	2
L74N 28+50E	1	23	26	191	<.3	42	12	336	3.09	4	<5	<2	9	18	.6	<2	<2	59	.30	.126	11	34	.60	232	.20	4	5.43	.03	.11	<2	2
L74N 28+75E	1	23	22	208	<.3	41	10	520	2.84	2	<5	<2	7	19	.5	<2	<2	54	.23	.244	11	30	.58	281	.20	3	5.55	.03	.11	<2	3
L74N 29+00E	<1	34	22	184	<.3	53	17	829	3.79	<2	<5	<2	9	20	.5	<2	<2	64	.38	.148	20	43	2.07	314	.24	3	5.91	.03	.21	<2	2
L74N 29+25E	<1	19	39	214	.3	30	7	2643	2.61	<2	5	<2	9	38	1.5	<2	<2	104	6.17	.445	28	44	6.46	301	.15	7	4.59	.01	.08	2	2
L74N 29+50E	1	18	28	199	<.3	32	9	1563	3.09	<2	<5	<2	9	27	.8	<2	2	67	.81	.401	19	34	2.66	345	.20	7	5.85	.03	.12	<2	2
L74N 29+75E	1	27	27	144	<.3	26	8	1018	2.51	<2	<5	<2	7	40	.8	<2	<2	53	3.30	.266	27	29	3.06	204	.17	9	4.69	.04	.12	<2	1
L74N 30+00E	1	19	82	170	.4	24	9	4447	3.49	<2	<5	<2	7	53	2.2	<2	2	53	5.79	.434	33	24	3.81	313	.17	9	5.53	.04	.11	9	1
L74N 30+25E	<1	41	45	249	<.3	69	18	1871	3.57	9	<5	<2	10	31	1.4	<2	<2	81	.92	.213	26	64	2.84	419	.19	6	4.45	.04	.33	<2	2
L74N 30+50E	1	30	32	243	<.3	44	12	2101	2.88	12	<5	<2	7	28	1.4	4	<2	51	.59	.287	19	34	.92	382	.21	6	5.59	.04	.14	2	2
L74N 30+75E	1	25	28	236	<.3	41	12	1170	2.99	12	<5	<2	8	20	.9	<2	<2	55	.32	.220	16	38	.67	328	.18	4	4.31	.03	.16	3	2
L74N 31+00E	2	26	63	545	<.3	44	17	4529	2.87	2	<5	<2	5	26	2.8	<2	2	49	.40	.280	14	27	.51	586	.17	5	3.41	.02	.13	<2	2
L73N 28+25E	1	16	19	326	<.3	35	10	468	2.79	7	<5	<2	6	18	.6	<2	2	49	.29	.079	12	37	.50	281	.14	4	3.43	.03	.11	<2	1
L73N 28+75E	2	23	22	206	<.3	49	13	687	3.37	<2	<5	<2	8	22	.5	<2	2	61	.31	.349	16	42	1.11	343	.17	4	4.76	.02	.15	2	1
L73N 29+25E	1	23	23	152	<.3	39	11	716	3.07	<2	<5	<2	8	21	.4	<2	<2	57	.41	.215	22	39	.76	318	.16	4	4.48	.02	.13	<2	2
L73N 29+75E	1	23	21	194	<.3	46	13	881	3.07	5	<5	<2	8	24	.4	<2	4	56	.30	.355	15	39	.73	358	.16	4	4.34	.03	.17	<2	2
L72N 28+00E	1	20	18	167	<.3	49	12	908	3.05	<2	<5	<2	8	16	.2	<2	4	49	.22	.191	17	48	.78	304	.16	3	4.27	.02	.16	<2	2
L72N 28+25E	<1	20	19	220	<.3	57	13	348	3.21	<2	<5	<2	8	16	.3	<2	<2	52	.21	.181	15	48	.65	240	.17	4	5.08	.03	.15	<2	1
L72N 28+50E	1	30	28	298	<.3	51	13	403	3.41	4	<5	<2	8	21	.7	<2	<2	62	.45	.118	20	46	.94	243	.18	6	4.80	.03	.16	<2	4
STANDARD C2/AU-S	22	62	45	148	7.2	79	37	1219	4.13	41	23	8	41	55	21.8	22	19	77	.55	.110	45	67	1.06	211	.08	30	2.14	.06	.16	12	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	Au* ppb
L72N 28+75E	<1	19	51	652	<.3	39	10	4040	3.39	3	<5	<2	7	36	2.5	2	<2	50	1.28	.546	24	33	.84	443	.19	8	5.04	.04	.14	3	1
L72N 29+00E	<1	25	38	166	<.3	33	9	2751	3.05	<2	<5	<2	7	34	1.7	2	<2	42	1.59	.475	31	26	.77	346	.18	9	4.93	.05	.13	3	<1
RE L72N 29+00E	<1	25	34	165	<.3	34	9	2737	3.05	<2	<5	<2	8	35	1.5	<2	<2	43	1.62	.483	31	26	.78	346	.19	10	4.94	.05	.13	<2	<1
L72N 29+25E	1	27	32	152	.3	41	12	721	3.12	<2	<5	<2	8	25	.6	<2	2	62	.54	.153	23	36	.80	280	.18	6	4.54	.03	.15	<2	5
L72N 29+50E	1	39	31	201	<.3	63	15	557	3.35	12	<5	<2	8	23	.9	<2	<2	80	.42	.170	16	52	1.29	356	.20	5	4.62	.03	.24	4	1
L72N 29+75E	2	19	29	288	<.3	39	11	2016	2.91	12	<5	<2	6	21	.9	2	4	51	.36	.376	12	34	.73	411	.18	4	4.25	.03	.16	3	<1
L72N 30+00E	3	21	26	270	<.3	37	10	825	2.72	9	<5	<2	6	18	.8	<2	<2	48	.24	.176	15	30	.56	315	.17	4	4.10	.03	.13	<2	<1
L72N 30+25E	1	20	409	499	.5	39	10	1870	2.85	2	<5	<2	8	43	4.9	<2	<2	51	3.91	.292	26	40	7.57	317	.18	12	4.80	.02	.13	9	1
L72N 30+50E	4	29	1112	384	.4	44	12	956	3.19	2	<5	<2	7	27	1.7	<2	2	56	.46	.136	19	32	.98	254	.19	5	4.62	.03	.17	8	5
L72N 30+75E	1	33	69	140	<.3	42	13	1050	3.08	10	<5	<2	7	20	.8	2	2	61	.34	.101	25	43	.88	259	.13	3	3.09	.01	.18	3	1

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 TUNGSTEN KING File # 96-4307

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	Au* ppb
L81N 26+00E	2	63	24	767	.8	142	15	887	3.30	<2	<5	<2	5	30	6.3	2	<2	128	.49	.172	18	68	.92	855	.17	5	4.35	.01	.16	<2	<1
L81N 26+25E	2	48	27	306	<.3	80	12	664	3.20	<2	<5	<2	6	21	2.3	<2	<2	114	.44	.169	19	69	.90	1640	.15	4	4.01	.01	.19	<2	2
L81N 26+50E	1	31	39	289	.3	126	20	871	4.07	<2	<5	<2	8	18	1.6	<2	<2	84	.52	.176	14	85	2.00	764	.26	4	5.56	.02	.20	<2	1
L81N 26+75E	1	30	30	236	<.3	54	12	471	3.10	<2	<5	<2	7	17	.8	<2	<2	72	.32	.162	18	46	1.02	424	.19	5	4.79	.02	.15	2	1
L81N 27+00E	1	22	53	190	<.3	29	7	673	2.67	<2	<5	<2	5	19	.8	2	2	62	.42	.250	21	24	1.09	237	.22	4	6.15	.03	.07	<2	1
L81N 27+25E	1	14	36	236	<.3	42	9	1321	2.45	<2	<5	<2	6	25	.9	<2	<2	46	.58	.286	15	34	.79	431	.14	5	3.38	.02	.13	<2	1
L81N 27+50E	1	21	31	167	<.3	40	11	961	2.75	<2	<5	<2	6	18	.3	<2	<2	55	.41	.151	18	40	.81	412	.15	4	3.51	.02	.16	<2	<1
L81N 27+75E	<1	19	39	145	<.3	33	9	730	2.56	<2	<5	<2	6	16	.5	<2	2	50	.60	.148	18	33	.89	228	.16	4	3.81	.02	.12	<2	1
L81N 28+00E	1	14	44	206	<.3	26	8	1460	1.99	<2	5	<2	4	14	1.7	4	8	37	.59	.053	13	32	.52	376	.11	3	1.91	.01	.17	11	2
L81N 28+25E	1	27	27	187	<.3	58	12	1036	2.86	<2	<5	<2	6	18	.3	2	2	55	.33	.221	17	54	.84	426	.18	<3	3.78	.02	.16	<2	2
L81N 28+50E	<1	22	22	187	<.3	41	10	340	2.76	2	<5	<2	7	20	.5	<2	<2	52	.34	.232	15	36	.69	319	.17	4	4.18	.02	.16	3	2
L81N 28+75E	1	28	21	126	<.3	43	11	309	2.74	4	<5	<2	8	19	.3	<2	<2	51	.25	.119	18	36	.61	285	.17	3	4.04	.03	.15	<2	<1
L81N 29+00E	1	23	26	161	<.3	36	9	551	2.58	6	<5	<2	8	21	.4	<2	<2	51	.40	.255	24	35	1.02	297	.17	4	4.03	.03	.15	<2	1
L81N 29+25E	1	17	24	167	<.3	36	8	277	2.55	2	<5	<2	6	23	.4	<2	2	47	.31	.164	14	28	.53	326	.18	4	4.26	.03	.11	<2	<1
L81N 29+50E	1	28	44	160	<.3	31	9	614	2.79	<2	5	<2	7	18	.4	<2	2	52	.30	.186	20	30	.85	218	.20	3	5.24	.03	.11	<2	1
L81N 29+75E	<1	14	74	197	<.3	19	6	1759	1.93	5	7	<2	5	15	1.0	<2	<2	33	.51	.222	13	20	.75	260	.11	4	2.78	.02	.10	2	1
L79N 31+25E	2	23	30	280	<.3	45	15	537	3.77	<2	6	<2	8	22	1.3	<2	<2	64	.58	.106	15	46	.81	182	.30	4	5.97	.04	.15	<2	1
L79N 31+50E	3	26	30	259	<.3	35	12	1241	3.33	<2	<5	<2	6	16	.9	<2	2	55	.25	.122	14	24	.43	178	.24	3	5.78	.02	.10	5	1
L79N 31+75E	3	23	40	494	<.3	37	15	2430	3.31	<2	<5	<2	6	31	1.5	3	2	52	.57	.396	14	29	.55	294	.21	4	4.54	.02	.16	8	1
L79N 32+00E	4	24	28	609	<.3	63	21	3963	3.52	<2	<5	<2	6	32	1.9	<2	<2	54	.55	.192	15	29	1.10	384	.22	6	5.39	.03	.20	5	1
L79N 32+25E	6	31	45	146	.3	23	15	2361	3.07	3	<5	<2	2	21	.8	4	2	54	.24	.172	13	20	.32	160	.10	<3	2.70	.01	.10	<2	1
RE L79N 32+25E	6	31	45	147	.4	24	15	2351	3.07	3	<5	<2	2	21	.8	2	<2	54	.24	.171	13	21	.32	159	.10	<3	2.69	.01	.09	3	2
L70N 28+00E	1	19	18	159	<.3	45	11	415	2.77	<2	<5	<2	7	19	.2	<2	<2	48	.23	.212	16	42	.51	249	.15	<3	4.04	.02	.14	<2	1
L70N 28+25E	<1	21	24	175	.3	58	12	356	3.04	3	<5	<2	7	21	.3	2	<2	49	.41	.107	15	51	.63	292	.16	4	4.42	.03	.16	<2	1
L70N 28+50E	<1	21	16	164	<.3	45	11	328	2.86	12	5	<2	8	16	.2	<2	3	47	.25	.231	17	42	.54	235	.16	3	4.30	.03	.14	<2	1
L70N 28+75E	1	23	21	207	<.3	43	12	242	2.71	<2	<5	<2	8	17	.3	<2	3	47	.28	.163	17	42	.54	205	.14	4	3.75	.02	.14	<2	1
L70N 29+25E	1	29	23	206	<.3	51	14	785	2.93	3	<5	<2	8	18	.7	2	<2	57	.34	.179	17	51	1.49	270	.17	3	4.06	.02	.21	2	1
L70N 29+50E	<1	19	24	205	.3	55	12	777	2.70	6	<5	<2	7	29	.9	<2	<2	46	.38	.223	17	47	.62	419	.14	3	3.33	.02	.21	<2	1
L70N 29+75E	<1	24	23	219	<.3	58	13	551	3.01	<2	<5	<2	8	30	1.1	<2	<2	62	.42	.188	21	48	.75	333	.17	4	4.14	.02	.22	<2	6
L70N 30+00E	1	21	31	278	<.3	57	17	1906	3.07	2	<5	<2	5	27	1.2	<2	2	48	.28	.264	20	58	.75	552	.12	4	2.94	.01	.28	3	4
L70N 30+25E	<1	29	25	173	.3	70	18	1055	3.42	3	<5	<2	8	22	1.0	<2	2	59	.59	.147	23	68	1.06	322	.16	3	3.90	.02	.35	<2	2
L70N 30+50E	1	28	26	178	<.3	75	18	998	3.46	8	<5	<2	7	23	.8	<2	<2	61	.54	.103	21	69	.98	351	.17	3	4.33	.02	.38	<2	2
STANDARD C2/AU-S	20	59	39	137	6.6	72	34	1139	3.75	36	19	7	36	51	19.3	16	17	73	.51	.106	41	65	.96	192	.08	27	2.01	.06	.14	10	45

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

DATE RECEIVED: SEP 9 1996 DATE REPORT MAILED: Sept 17/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT POSIE File # 96-4308 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	Au* ppb
L68N 28+00E	<1	20	52	394	.5	45	10	1355	2.58	3	<5	<2	6	39	1.6	3	<2	40	.42	.331	19	30	.47	503	.16	3	3.61	.03	.17	<2	3
L68N 28+25E	<1	23	44	211	<.3	51	11	815	2.77	7	<5	<2	6	33	.5	<2	<2	48	.39	.332	22	38	.55	441	.15	3	3.58	.03	.20	2	1
L68N 28+50E	1	20	31	223	<.3	51	12	766	2.87	5	<5	<2	6	27	.8	<2	2	49	.34	.363	19	38	.58	367	.15	3	3.92	.02	.18	<2	2
L68N 28+75E	<1	23	24	186	<.3	48	11	496	2.69	6	<5	<2	6	25	.4	<2	<2	47	.30	.263	18	38	.55	413	.15	3	3.61	.02	.18	<2	3
L68N 29+00E	1	27	28	215	.3	48	12	564	2.90	8	<5	<2	7	26	.7	<2	<2	52	.31	.264	22	36	.57	294	.17	3	4.32	.03	.16	2	1
L68N 29+25E	1	26	21	177	<.3	43	11	822	2.68	9	<5	<2	7	27	.5	<2	2	48	.38	.292	17	32	.54	373	.16	3	4.05	.03	.15	<2	3
L68N 29+50E	1	23	30	176	<.3	41	11	1108	2.79	18	<5	<2	6	29	.4	<2	2	53	.39	.209	12	35	.58	286	.17	3	3.81	.03	.17	4	3
L68N 29+75E	1	40	25	107	<.3	51	14	396	3.35	14	<5	<2	12	30	.4	2	2	70	.58	.127	28	59	1.05	228	.14	<3	2.28	.04	.38	3	11
L68N 30+00E	1	31	67	617	.4	39	10	234	2.71	4	<5	<2	8	23	1.5	<2	<2	49	.36	.110	23	34	.56	205	.16	4	4.24	.04	.12	<2	3
L68N 30+25E	2	18	28	289	.4	36	11	479	2.68	14	<5	<2	9	18	.9	2	3	57	.28	.235	15	32	.53	301	.15	3	3.65	.02	.13	<2	6
L68N 30+50E	1	23	33	420	<.3	42	11	979	2.82	11	<5	<2	7	27	2.0	<2	<2	57	.40	.334	21	34	.60	441	.18	3	4.06	.03	.17	2	2
L68N 30+75E	1	25	29	275	<.3	44	12	410	2.91	17	<5	<2	8	20	1.2	<2	2	64	.31	.176	18	38	.60	285	.14	<3	3.54	.02	.15	2	2
L68N 31+00E	1	28	26	310	.3	42	12	395	2.81	18	<5	<2	9	23	2.1	<2	<2	69	.31	.386	18	39	.63	213	.15	3	3.91	.03	.17	3	1
L68N 31+25E	2	34	79	397	.4	45	12	413	3.17	21	<5	<2	8	23	2.3	<2	<2	86	.44	.216	22	42	.78	289	.18	3	4.56	.02	.21	5	2
L68N 31+50E	1	25	36	245	<.3	41	11	520	2.96	18	<5	<2	8	20	1.1	<2	2	79	.37	.161	19	41	.69	292	.13	<3	3.02	.02	.18	8	2
L59N 26+75E	1	10	15	114	<.3	23	8	403	2.08	<2	<5	<2	5	20	<.2	<2	<2	42	.27	.100	16	33	.50	197	.14	<3	1.75	.02	.20	<2	1
L59N 27+00E	1	16	18	114	<.3	27	8	307	2.22	<2	<5	<2	6	20	<.2	<2	<2	43	.27	.146	16	32	.44	203	.12	<3	2.39	.02	.17	<2	3
L59N 27+25E	1	11	19	123	<.3	26	8	516	2.04	<2	<5	<2	5	20	<.2	<2	<2	37	.29	.128	18	32	.43	216	.11	<3	1.72	.02	.18	<2	1
L59N 27+50E	1	15	27	150	<.3	28	9	670	2.39	<2	<5	<2	7	19	.3	<2	2	41	.25	.244	17	30	.47	246	.12	<3	2.58	.02	.16	<2	11
L59N 27+75E	1	18	58	333	<.3	39	12	877	2.78	<2	<5	<2	7	22	1.7	3	<2	49	.47	.197	19	38	.82	327	.14	3	3.70	.02	.20	6	3
L59N 28+00E	1	16	34	105	<.3	24	8	235	2.27	4	<5	<2	7	18	<.2	2	<2	45	.27	.073	23	33	.53	161	.11	<3	1.66	.02	.24	2	2
RE L59N 28+00E	1	15	31	100	<.3	24	7	218	2.16	3	<5	<2	8	17	<.2	<2	<2	43	.26	.069	24	32	.49	152	.11	<3	1.59	.02	.23	2	2
L59N 28+25E	2	20	80	290	<.3	34	10	457	2.49	2	<5	<2	7	19	.5	<2	<2	55	.30	.120	19	35	.65	266	.14	3	3.21	.02	.23	7	2
L59N 28+50E	2	18	38	255	.3	26	7	449	2.26	5	5	<2	5	18	.8	<2	<2	41	.24	.217	14	22	.34	250	.16	3	4.36	.03	.10	4	1
L59N 28+75E	1	16	49	295	<.3	31	8	514	2.20	3	<5	<2	6	18	1.0	<2	<2	41	.28	.165	17	28	.44	242	.11	<3	2.61	.02	.16	2	1
L59N 29+00E	1	18	55	366	.3	28	8	486	2.31	5	<5	<2	6	16	1.2	3	<2	45	.20	.183	14	27	.46	243	.14	3	3.65	.03	.14	3	1
L59N 29+25E	2	29	64	273	<.3	40	11	462	2.79	11	<5	<2	9	25	.9	<2	<2	60	.39	.210	18	37	.72	397	.13	<3	3.49	.03	.25	3	6
L59N 29+50E	1	20	34	222	<.3	52	13	1509	3.16	8	<5	<2	6	20	1.2	<2	<2	57	.32	.246	16	46	1.12	375	.16	<3	3.99	.02	.14	<2	<1
L59N 29+75E	1	32	58	597	.5	98	16	647	3.46	5	<5	<2	8	22	2.7	4	2	70	.34	.097	29	57	1.67	344	.20	3	4.95	.03	.18	<2	1
L59N 30+00E	1	28	37	270	.4	82	17	480	3.50	2	<5	<2	8	22	1.0	<2	<2	67	.31	.098	18	64	1.81	381	.20	<3	4.94	.03	.14	<2	1
L59N 30+50E	2	28	33	2261	.3	266	11	801	2.85	4	5	<2	6	25	8.9	<2	<2	60	.41	.394	14	32	.56	248	.17	<3	4.46	.03	.12	<2	3
L59N 31+00E	2	23	20	844	.7	29	6	865	2.10	<2	5	<2	4	41	16.3	<2	<2	73	.41	.652	10	18	.38	1131	.12	3	3.19	.03	.11	<2	<1
L59N 31+50E	4	68	21	758	1.7	69	10	360	3.32	<2	6	<2	7	39	8.9	<2	<2	195	.41	.192	13	34	.92	625	.18	4	5.30	.03	.10	<2	2
L59N 32+00E	4	67	21	571	1.3	64	9	329	3.81	<2	<5	<2	7	39	3.7	<2	<2	227	.37	.189	12	40	.98	778	.20	<3	5.38	.03	.11	<2	2
L59N 32+50E	6	234	28	1111	5.8	120	17	365	4.96	<2	12	<2	8	65	7.7	<2	<2	277	.73	.409	13	46	1.38	1131	.16	3	5.83	.03	.13	<2	5
STANDARD C2/AU-S	21	57	40	138	6.6	71	34	1143	3.80	37	21	7	35	51	20.1	18	18	71	.51	.110	40	63	.98	186	.08	27	1.97	.06	.14	11	54

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

DATE RECEIVED: SEP 9 1996 DATE REPORT MAILED: Sept 19/96 SIGNED BY. ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L57N 24+50E	<1	26	28	204	<.3	48	17	1325	3.33	<2	<5	<2	7	29	.5	<2	2	52	.50	.083	18	38	.83	248	.16	4	4.06	.03	.26	2	7
L57N 24+75E	1	31	26	151	.3	57	20	1635	3.79	<2	<5	<2	8	31	.3	4	<2	52	.57	.144	24	34	.70	204	.18	4	5.21	.03	.15	2	5
L57N 25+00E	1	21	47	241	<.3	45	16	2788	3.47	<2	<5	<2	5	30	.8	<2	2	56	.46	.208	21	42	.82	304	.13	3	3.96	.02	.18	<2	21
L57N 25+25E	<1	35	26	158	.3	58	19	1124	3.66	3	<5	<2	9	33	.2	<2	2	54	.66	.175	28	39	.80	269	.17	4	4.77	.04	.21	<2	5
L57N 25+50E	<1	21	23	189	<.3	48	10	836	2.71	2	<5	<2	7	18	<.2	<2	<2	47	.25	.264	17	35	.70	324	.15	3	3.73	.02	.14	<2	1
L57N 25+75E	1	17	23	211	.4	29	8	748	2.48	<2	<5	<2	7	16	.3	<2	<2	44	.22	.373	14	27	.61	332	.15	<3	3.71	.03	.13	<2	<1
L57N 26+00E	1	29	22	162	<.3	72	14	504	3.27	<2	<5	<2	8	22	.2	<2	<2	64	.32	.201	18	63	1.24	349	.25	<3	4.88	.03	.20	<2	1
RE L57N 26+00E	1	29	19	157	<.3	71	13	484	3.18	<2	<5	<2	7	22	<.2	2	<2	62	.32	.195	18	61	1.21	340	.24	<3	4.74	.03	.20	<2	2
L57N 26+25E	1	24	20	160	<.3	43	13	714	3.27	<2	<5	<2	8	20	<.2	<2	<2	57	.28	.171	20	36	.78	309	.19	<3	4.58	.02	.21	<2	1
L57N 26+50E	1	18	31	201	<.3	43	12	804	2.79	<2	<5	<2	7	16	.4	<2	2	49	.22	.169	15	30	.60	388	.15	<3	3.77	.02	.17	<2	1
L57N 26+75E	1	19	39	417	<.3	54	13	1055	3.52	<2	<5	<2	8	19	1.4	<2	<2	62	.44	.118	18	42	1.85	642	.18	5	4.59	.03	.15	<2	1
L57N 27+00E	1	22	28	223	.3	41	9	318	2.72	<2	<5	<2	7	17	.9	<2	<2	57	.29	.150	16	39	.97	399	.17	4	4.23	.02	.15	<2	1
L57N 27+25E	1	17	33	257	<.3	41	10	542	2.74	2	<5	<2	7	20	1.5	2	<2	53	.27	.251	14	33	.64	297	.16	3	4.09	.03	.15	<2	<1
L57N 27+50E	<1	34	110	534	.4	53	8	525	2.90	<2	<5	<2	8	26	5.3	<2	<2	133	.89	.373	24	45	5.71	361	.19	7	6.03	.02	.10	<2	<1
L57N 27+75E	1	16	26	365	.3	33	9	932	2.39	6	<5	<2	6	19	2.2	<2	<2	42	.28	.393	14	27	.41	338	.14	3	3.65	.03	.12	2	4
L57N 28+00E	1	20	28	588	.3	75	11	392	2.79	3	<5	<2	8	22	5.0	2	<2	54	.29	.179	19	33	.57	296	.16	4	4.25	.03	.16	<2	1
L57N 28+50E	1	26	32	626	.6	59	10	1066	2.88	<2	<5	<2	6	24	4.5	<2	<2	95	.28	.249	16	31	.54	419	.16	<3	4.00	.02	.13	<2	3
L57N 29+00E	3	74	27	581	.8	99	17	952	3.23	<2	<5	<2	5	28	4.1	<2	2	84	.40	.273	15	38	.82	692	.12	3	3.40	.02	.13	<2	1
L57N 29+50E	2	40	17	510	.8	81	9	427	2.73	13	<5	<2	5	23	2.0	<2	2	62	.27	.545	8	18	.37	903	.16	3	4.42	.03	.07	<2	1
L57N 30+00E	6	188	33	1106	.7	125	24	468	4.85	<2	7	<2	7	63	8.4	<2	<2	381	.63	.400	9	69	2.69	1647	.15	3	4.21	.04	.16	<2	2
L57N 30+50E	8	671	46	2656	2.0	381	63	1788	5.09	3	24	<2	5	108	20.8	<2	<2	265	1.85	.510	10	50	3.04	2292	.08	7	4.79	.02	.27	<2	7
L57N 31+00E	1	95	24	456	.6	60	11	504	2.37	<2	<5	<2	4	38	2.1	<2	<2	90	.78	.322	11	25	.79	469	.12	5	3.55	.04	.14	<2	1
L57N 31+50E	1	53	30	748	.7	74	13	952	2.68	<2	<5	<2	4	42	4.6	<2	<2	108	.57	.284	9	29	1.17	668	.14	4	3.33	.02	.13	<2	<1
L57N 32+00E	2	65	27	677	.8	58	14	1000	3.16	27	<5	<2	5	38	6.2	2	<2	118	.59	.439	10	29	1.16	762	.12	3	3.18	.02	.12	<2	<1
L57N 32+50E	2	49	28	609	.3	73	15	1015	3.57	8	<5	<2	5	39	4.9	2	<2	121	.60	.328	13	36	1.17	572	.18	4	4.80	.03	.20	<2	1
L55N 23+50E	1	29	124	319	.4	55	13	867	3.44	4	<5	<2	8	29	2.0	<2	<2	96	.73	.132	26	44	1.24	363	.15	4	3.96	.04	.29	<2	1
L55N 23+75E	<1	22	27	166	.3	39	10	434	2.62	2	<5	<2	7	21	.2	<2	<2	51	.33	.142	22	36	.60	301	.15	3	3.44	.02	.27	<2	1
L55N 24+00E	<1	17	22	214	.3	43	10	696	2.69	<2	<5	<2	7	23	.4	<2	<2	45	.40	.216	20	37	.59	386	.16	3	3.42	.02	.30	<2	1
L55N 24+25E	1	18	38	205	<.3	35	10	1055	2.62	<2	<5	<2	4	31	.7	<2	<2	51	.60	.207	18	34	.63	407	.15	4	3.19	.02	.28	<2	1
L55N 24+50E	1	19	29	183	<.3	36	9	797	2.61	<2	<5	<2	7	23	.2	2	<2	49	.35	.222	20	32	.56	387	.16	3	3.86	.03	.19	<2	<1
L55N 24+75E	<1	17	175	401	.4	39	9	1299	3.00	4	<5	<2	6	32	3.9	<2	<2	70	1.24	.399	26	31	.74	390	.14	4	3.97	.03	.15	<2	1
L55N 25+00E	<1	18	40	249	<.3	32	9	976	2.72	<2	<5	<2	6	21	1.0	2	<2	54	.46	.146	17	32	.68	377	.14	5	3.55	.02	.22	<2	<1
L55N 25+25E	1	20	37	276	<.3	33	9	529	2.65	3	<5	<2	6	18	.9	<2	3	51	.25	.132	17	33	.61	312	.14	3	3.51	.02	.18	<2	1
L55N 25+50E	1	11	115	420	<.3	34	8	1509	2.53	<2	<5	<2	7	26	3.5	<2	<2	88	.97	.468	17	35	.95	352	.13	5	3.69	.03	.12	<2	<1
L55N 25+75E	1	22	39	291	<.3	37	10	274	2.71	2	<5	<2	7	19	1.6	<2	<2	59	.45	.139	19	33	.80	291	.15	4	3.86	.03	.16	<2	1
STANDARD C2/AU-S	21	60	40	146	7.0	77	36	1206	3.91	40	21	8	37	55	20.8	21	19	76	.54	.108	43	65	1.02	204	.09	29	2.10	.06	.14	11	57

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

Sultan Minerals PROJECT POSIE FILE # 96-4308

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L55N 26+00E	1	20	26	235	<.3	40	10	479	2.83	<2	<5	<2	7	23	.8	<2	<2	62	.46	.244	20	35	.90	345	.16	5	4.11	.03	.18	<2	1
L55N 26+25E	1	27	28	307	<.3	57	14	1241	3.29	<2	<5	<2	7	27	1.8	<2	<2	71	.40	.260	22	67	1.29	471	.21	4	4.04	.03	.23	<2	1
L55N 26+50E	2	45	38	263	.7	50	9	813	2.54	3	<5	<2	7	38	4.0	<2	<2	58	.72	.041	22	36	.68	259	.13	4	3.13	.05	.15	<2	1
L55N 26+75E	1	22	49	535	.7	34	9	506	2.61	6	<5	<2	6	21	2.2	<2	<2	56	.28	.603	12	25	.48	390	.16	4	4.30	.03	.11	<2	<1
RE L55N 26+75E	1	22	49	556	.6	36	9	524	2.71	4	<5	<2	5	22	2.3	<2	<2	57	.29	.626	12	27	.50	402	.16	4	4.51	.03	.12	2	<1
L55N 27+00E	2	33	64	491	<.3	47	11	549	2.68	2	<5	<2	7	27	1.9	<2	<2	59	.44	.331	15	30	.61	456	.14	5	3.68	.03	.17	<2	1
L55N 27+50E	7	229	39	908	2.2	120	22	569	5.51	3	<5	<2	8	73	3.8	<2	<2	116	1.12	.500	12	43	.92	1029	.10	5	3.47	.03	.19	<2	11
L55N 28+00E	2	62	20	601	.7	67	11	943	3.04	<2	5	<2	4	77	7.3	<2	<2	125	1.07	.561	9	31	.76	1244	.15	5	4.58	.03	.16	<2	<1
L55N 28+50E	3	71	28	496	.8	73	15	1643	3.17	<2	<5	<2	4	37	3.4	<2	<2	80	.72	.201	13	29	.56	679	.13	4	4.00	.02	.13	<2	<1
L55N 29+00E	3	54	45	552	.6	55	12	1185	2.79	3	<5	<2	3	31	2.8	<2	<2	89	.65	.201	10	30	.66	587	.12	4	3.06	.02	.13	<2	<1
L55N 29+50E	2	52	23	652	.8	62	10	778	2.80	<2	<5	<2	4	28	3.4	<2	<2	113	.42	.425	9	27	.58	747	.16	4	4.14	.03	.09	<2	<1
L55N 30+00E	2	57	25	928	.6	62	12	453	3.05	<2	<5	<2	6	28	4.1	<2	<2	79	.41	.416	13	28	.59	913	.15	4	4.37	.03	.11	<2	<1
L55N 30+50E	2	40	17	682	.4	57	8	631	2.71	3	<5	<2	6	26	3.1	2	<2	64	.32	.621	11	19	.44	827	.17	4	4.56	.03	.09	<2	<1
L55N 31+00E	3	203	34	635	1.0	102	19	837	3.57	<2	<5	<2	6	41	4.7	<2	<2	164	.86	.248	11	38	1.73	789	.13	5	3.75	.02	.17	<2	<1
L55N 31+50E	6	83	22	679	.5	90	20	1439	3.76	10	5	<2	5	48	9.7	<2	<2	148	.73	.259	9	41	2.86	924	.14	5	4.57	.02	.18	<2	<1
L55N 32+00E	4	68	25	190	.5	69	10	623	2.45	<2	<5	<2	5	28	1.1	2	<2	163	.51	.248	11	35	1.81	326	.16	3	4.03	.03	.13	<2	<1
L55N 32+50E	4	49	25	138	.4	40	9	357	2.17	2	6	<2	5	23	.6	2	<2	165	.40	.086	12	26	2.24	295	.16	3	4.27	.03	.14	<2	<1
L53N 24+00E	2	18	23	309	<.3	39	11	1721	2.68	6	<5	<2	4	26	.7	2	<2	46	.45	.273	17	37	.52	428	.14	4	3.58	.03	.26	4	<1
L53N 24+50E	2	24	26	219	<.3	36	9	370	2.53	6	<5	<2	8	21	.2	<2	<2	50	.32	.176	19	32	.53	359	.16	4	4.15	.03	.15	5	<1
L53N 25+00E	2	21	39	446	<.3	35	10	566	2.72	10	<5	<2	8	23	1.5	<2	<2	48	.37	.356	21	33	.56	401	.15	4	3.87	.03	.19	16	1
L53N 25+50E	1	14	82	756	<.3	32	9	312	2.56	4	<5	<2	5	20	6.0	<2	<2	57	.39	.227	15	31	.48	266	.13	5	3.24	.03	.14	4	2
L53N 26+00E	2	31	83	520	<.3	46	11	970	2.66	<2	<5	<2	7	25	3.8	<2	<2	70	.44	.252	19	37	.69	571	.13	4	3.17	.03	.26	4	7
L53N 26+50E	3	65	30	1013	1.3	80	13	1066	3.34	12	<5	<2	6	61	11.9	<2	<2	206	.82	.278	19	40	1.14	703	.16	5	4.91	.03	.19	<2	2
L53N 27+00E	3	124	56	874	1.2	85	16	659	3.56	<2	<5	<2	7	34	7.6	<2	<2	190	.53	.236	21	53	1.28	964	.17	4	5.23	.02	.23	<2	3
L53N 27+50E	7	278	44	1144	3.5	87	21	1038	6.08	<2	10	<2	9	81	10.6	<2	<2	446	.98	.609	10	85	2.29	2558	.12	3	5.28	.02	.20	<2	3
L53N 28+00E	3	141	33	410	1.3	66	16	611	3.36	<2	<5	<2	7	27	1.6	<2	<2	170	.44	.213	21	47	1.26	935	.17	3	5.27	.02	.17	<2	2
L53N 28+50E	2	80	21	419	.5	59	11	684	2.60	<2	<5	<2	5	35	1.7	<2	<2	121	.46	.306	15	34	1.18	1914	.14	4	4.39	.03	.15	<2	<1
L53N 29+00E	4	72	36	699	.6	69	16	918	3.14	2	<5	<2	5	35	5.6	<2	<2	107	.46	.185	12	27	.87	614	.17	4	4.83	.04	.11	<2	1
L53N 29+50E	2	78	28	471	.4	68	14	1382	3.15	<2	<5	<2	4	37	2.8	2	<2	99	.51	.239	13	28	.79	607	.17	3	4.93	.03	.11	<2	<1
L53N 30+00E	4	98	23	581	.9	105	12	353	3.19	6	<5	<2	5	33	2.1	<2	<2	97	.34	.217	10	25	.63	351	.17	5	5.07	.04	.10	<2	<1
L53N 30+50E	2	51	23	539	.8	69	9	609	2.31	<2	<5	<2	5	23	1.8	<2	<2	88	.34	.358	15	26	.57	827	.11	3	2.97	.02	.11	<2	<1
L53N 31+00E	1	39	45	318	.4	44	12	200	2.71	9	<5	<2	10	17	2.0	<2	<2	79	.27	.151	23	40	.61	333	.13	<3	3.76	.02	.15	3	1
L53N 31+50E	3	54	20	2362	1.0	133	12	564	2.52	2	7	<2	6	29	18.2	2	<2	236	.48	.661	13	38	1.03	415	.13	3	4.29	.03	.12	<2	<1
L53N 32+00E	3	94	27	4324	1.8	269	11	641	2.52	<2	5	<2	6	23	37.1	<2	<2	290	.45	.265	14	48	1.33	271	.14	3	3.89	.02	.12	<2	<1
L53N 32+50E	3	39	19	1186	.6	89	11	262	2.71	3	<5	<2	5	30	12.6	<2	<2	118	.44	.487	13	33	.97	303	.14	4	3.70	.02	.11	<2	<1
STANDARD C2/AU-S	21	60	37	145	6.7	75	35	1161	3.89	40	19	8	38	54	20.3	20	19	76	.54	.106	45	67	1.01	206	.09	30	2.11	.06	.15	11	44

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	Au* ppb
L51N 24+00E	1	17	37	164	<.3	29	8	541	2.42	7	<5	<2	7	17	.7	3	<2	51	.33	.056	24	34	.63	183	.12	4	1.90	.01	.30	5	3
L51N 24+50E	2	25	275	571	.3	40	11	812	3.06	12	<5	<2	9	19	2.7	2	2	77	.68	.126	25	40	.93	266	.11	5	2.38	.02	.39	15	4
L51N 25+00E	2	28	561	1063	.5	43	11	1161	3.34	11	<5	<2	8	26	6.1	4	2	102	1.42	.201	24	41	1.24	354	.10	8	2.62	.02	.38	7	2
RE L51N 25+00E	2	28	545	1035	.5	41	11	1122	3.27	11	<5	<2	8	25	6.1	3	<2	99	1.35	.195	23	40	1.20	354	.10	6	2.55	.02	.37	8	2
L51N 25+50E	1	26	90	407	.3	48	12	825	3.01	3	<5	<2	6	25	3.3	<2	<2	83	.58	.130	23	41	.97	431	.15	4	3.57	.03	.38	5	2
L51N 26+00E	4	135	50	1118	2.0	100	19	702	4.04	2	<5	<2	8	54	10.7	3	<2	353	.75	.334	14	62	2.02	664	.14	4	5.08	.03	.23	<2	2
L51N 26+50E	1	70	33	763	.8	57	15	2034	2.74	2	<5	<2	3	40	6.4	<2	2	110	.92	.366	12	32	1.00	1229	.10	6	3.08	.02	.15	<2	<1
L51N 27+00E	1	40	29	494	.3	43	11	913	2.56	<2	<5	<2	6	30	3.6	<2	<2	106	.55	.346	13	36	1.15	980	.12	4	3.69	.03	.19	<2	1
L51N 27+50E	2	118	27	322	.8	56	14	472	2.88	<2	<5	<2	5	28	2.0	<2	<2	139	.51	.173	14	37	1.28	826	.12	4	3.77	.02	.15	<2	2
L51N 28+00E	2	131	27	524	1.1	92	17	745	3.42	2	10	<2	6	32	2.0	<2	<2	122	.50	.458	16	36	1.05	1266	.15	5	4.81	.03	.17	<2	6
L51N 28+50E	2	100	28	482	.5	70	13	1180	3.31	<2	<5	<2	4	33	2.4	<2	<2	97	.43	.311	15	26	.87	624	.16	5	4.82	.02	.13	<2	1
L51N 29+00E	3	81	21	522	.6	85	14	803	3.17	6	<5	<2	5	39	2.8	2	2	133	.56	.342	17	31	1.03	2223	.11	3	3.73	.02	.13	<2	1
L51N 29+50E	2	94	41	264	.4	45	11	718	2.79	4	<5	<2	3	32	2.0	<2	<2	106	.57	.241	12	28	.90	493	.12	6	3.88	.02	.19	<2	1
L51N 30+00E	4	101	20	463	.5	79	14	874	3.29	<2	<5	<2	5	31	3.2	<2	<2	117	.43	.247	11	27	1.23	310	.16	5	5.02	.03	.11	<2	1
L51N 30+50E	7	156	24	244	.6	80	14	292	3.58	5	<5	<2	6	33	1.2	<2	<2	122	.47	.188	16	26	1.36	303	.18	4	5.48	.04	.10	<2	<1
L51N 31+00E	3	110	23	307	.6	64	12	260	3.11	<2	<5	<2	5	34	1.6	<2	<2	119	.43	.171	15	24	.99	294	.19	3	5.45	.04	.08	<2	1
L51N 31+50E	3	60	26	2298	.6	144	9	531	2.37	<2	9	<2	5	22	13.4	<2	4	255	.47	.369	11	37	1.12	339	.13	3	3.52	.02	.11	<2	1
L51N 32+00E	2	54	21	2337	.9	152	9	521	2.30	5	5	<2	5	22	13.1	<2	<2	232	.35	.381	11	34	1.01	323	.13	<3	3.91	.02	.08	<2	7
L51N 32+50E	4	59	25	1303	2.7	88	9	507	2.76	6	<5	<2	5	41	13.9	<2	<2	233	.42	.380	14	29	1.13	530	.17	3	4.73	.03	.11	<2	1
STANDARD C2/AU-S	20	56	36	134	6.7	69	33	1098	3.68	37	16	7	35	50	19.5	17	18	70	.50	.105	40	60	.94	190	.08	27	1.94	.06	.14	11	56

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

Sultan Minerals PROJECT JERSEY FILE # 96-4401

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	Au* ppb
L99N 61+50E	11	150	28	2295	2.8	186	14	479	4.50	3	8	<2	3	28	7.7	<2	2	399	.32	.168	20	38	.71	231	.12	3	4.27	<.01	.11	<2	1
L99N 62+00E	8	78	50	993	.7	78	9	763	3.19	<2	<5	<2	<2	22	4.5	<2	2	271	.29	.181	13	27	.57	186	.09	<3	3.03	<.01	.08	<2	1
L99N 62+50E	10	89	35	1023	.6	74	9	749	3.24	4	<5	<2	<2	28	5.5	<2	<2	318	.43	.207	12	28	.45	164	.08	<3	3.25	.01	.09	<2	1
L99N 63+00E	13	89	33	1119	.6	96	10	798	3.53	<2	<5	<2	<2	25	2.8	2	8	416	.27	.205	12	29	.55	137	.07	<3	3.76	.01	.10	<2	<1
RE L99N 63+00E	13	88	34	1115	.6	90	10	794	3.46	<2	8	<2	<2	25	3.0	3	5	408	.27	.203	12	30	.55	132	.07	<3	3.74	<.01	.10	<2	<1
L99N 63+50E	9	67	28	870	<.3	63	10	909	3.44	2	<5	<2	<2	24	4.3	<2	<2	300	.33	.168	11	27	.53	221	.10	<3	2.63	<.01	.08	<2	1
L99N 64+00E	3	124	72	1279	.8	69	7	248	3.81	<2	10	<2	5	25	2.1	<2	2	268	1.67	.686	13	30	.74	147	.10	<3	2.92	<.01	.07	11	<1
L99N 64+50E	2	52	27	507	1.5	36	4	488	2.67	2	8	<2	2	12	1.8	<2	5	215	.47	.199	10	27	.41	131	.10	<3	1.61	.01	.06	<2	<1
L99N 65+00E	5	121	27	2077	1.1	145	25	1463	2.78	4	<5	<2	<2	33	34.3	<2	2	370	.67	.224	14	35	.62	817	.11	3	2.45	.01	.07	<2	<1
L99N 65+50E	11	102	26	610	2.2	54	9	1009	3.27	2	10	<2	<2	24	3.2	<2	<2	231	.33	.333	12	26	.47	304	.06	4	3.41	<.01	.09	<2	1
L99N 66+00E	5	174	46	728	.6	74	5	417	4.43	7	9	<2	3	24	2.6	<2	<2	321	.78	.394	15	43	.55	224	.10	4	2.79	.01	.07	8	1
L99N 66+50E	2	88	35	1255	4.4	66	8	250	3.71	2	<5	<2	5	16	6.4	<2	3	364	.65	.466	14	41	.45	153	.15	<3	3.72	.01	.07	<2	<1
L99N 67+00E	3	28	34	574	.8	32	2	197	3.33	<2	<5	<2	4	12	1.8	<2	2	228	.28	.467	9	29	.36	107	.15	<3	2.95	.01	.06	2	<1
L99N 67+50E	5	67	81	1019	1.0	68	4	297	4.58	3	10	<2	7	17	1.8	2	3	358	.75	.717	13	42	.57	147	.12	<3	3.80	<.01	.09	3	1
L99N 68+00E	6	55	78	833	1.0	57	6	449	3.53	<2	5	<2	4	14	1.6	<2	5	331	.53	.423	12	35	.52	117	.11	3	2.99	<.01	.08	3	<1
L99N 68+50E	9	97	52	992	.5	83	10	787	3.67	<2	<5	<2	<2	15	2.6	<2	2	375	.51	.246	17	38	.59	131	.09	<3	3.17	<.01	.08	<2	<1
L99N 69+00E	8	52	23	616	<.3	56	9	692	3.05	<2	<5	<2	<2	10	1.4	<2	3	198	.14	.121	13	23	.44	65	.08	<3	2.90	<.01	.08	<2	<1
L99N 69+50E	9	45	17	663	<.3	52	12	767	3.19	3	7	<2	<2	15	4.3	2	<2	187	.21	.141	10	21	.45	99	.06	3	2.28	<.01	.10	<2	<1
L99N 70+00E	9	39	16	588	<.3	41	11	1236	2.99	<2	<5	<2	<2	13	3.1	<2	<2	147	.13	.138	11	19	.42	121	.08	<3	2.98	.01	.09	<2	<1
L99N 70+50E	9	39	26	523	<.3	45	10	1104	3.02	<2	<5	<2	<2	12	3.3	<2	<2	192	.17	.089	11	24	.42	117	.08	<3	2.03	<.01	.08	2	<1
L99N 71+00E	9	32	34	635	<.3	45	8	641	3.01	<2	5	<2	4	12	2.2	2	4	158	.19	.135	11	23	.44	102	.12	<3	2.31	.01	.07	2	<1
L99N 71+50E	7	23	31	413	<.3	28	7	977	2.71	<2	<5	<2	6	8	1.1	<2	6	122	.10	.107	13	19	.32	79	.13	<3	3.01	.01	.09	<2	<1
L99N 72+00E	4	27	26	591	<.3	22	7	931	2.46	4	8	<2	4	12	9.5	<2	2	94	.17	.095	13	19	.25	143	.11	<3	1.87	.01	.08	<2	<1
L99N 72+50E	4	16	22	382	<.3	23	5	488	2.83	<2	<5	<2	6	10	1.5	<2	3	115	.13	.165	11	17	.28	106	.13	<3	2.62	.01	.09	<2	<1
L99N 73+00E	4	14	21	415	.3	19	6	666	2.60	<2	<5	<2	6	9	2.5	<2	5	88	.12	.280	11	15	.26	99	.12	3	2.93	.01	.09	<2	<1
L99N 73+50E	4	18	15	448	<.3	28	7	517	2.76	2	<5	<2	8	10	1.7	<2	<2	107	.09	.099	13	18	.35	97	.14	<3	3.36	.01	.10	<2	<1
L99N 74+00E	4	15	21	344	<.3	26	6	535	2.63	<2	<5	<2	10	7	.7	<2	<2	117	.08	.075	16	18	.36	88	.11	<3	2.78	.01	.09	<2	<1
L99N 74+50E	4	17	18	497	<.3	27	8	957	2.64	<2	<5	<2	6	15	2.4	<2	<2	119	.15	.118	12	19	.36	147	.13	<3	3.14	.01	.09	<2	<1
L99N 75+00E	5	21	23	433	.5	33	7	1547	2.86	2	5	<2	7	10	1.6	<2	<2	158	.12	.106	14	22	.44	133	.13	<3	2.91	.01	.11	<2	<1
L99N 75+50E	7	24	20	529	1.2	40	9	968	2.77	2	17	<2	2	27	4.4	<2	2	197	.28	.073	19	30	.45	116	.11	<3	3.16	.01	.09	<2	<1
L99N 76+00E	6	26	19	447	.6	36	9	525	2.81	<2	14	<2	2	26	2.9	<2	2	195	.27	.046	18	27	.39	142	.11	3	3.68	.02	.08	<2	<1
L99N 76+50E	7	32	19	502	<.3	54	7	445	3.34	<2	8	<2	12	10	.8	<2	3	207	.11	.115	16	29	.52	111	.15	<3	4.23	.01	.10	<2	<1
L99N 77+00E	5	20	20	412	<.3	34	6	506	3.17	<2	8	<2	7	8	.9	<2	<2	220	.11	.094	13	28	.41	88	.15	<3	2.36	.01	.08	<2	<1
L99N 77+50E	5	25	15	337	.3	34	4	274	2.86	3	7	<2	8	9	.6	<2	8	153	.11	.101	13	25	.41	106	.13	<3	3.55	.01	.09	<2	<1
L99N 78+00E	4	21	16	284	<.3	31	6	669	2.84	<2	<5	<2	6	9	.5	<2	4	153	.11	.104	13	25	.37	142	.14	<3	2.91	.01	.08	<2	2
STANDARD C2/AU-S	20	58	40	148	7.3	71	32	1178	3.92	38	16	8	35	53	20.6	18	22	75	.56	.105	42	62	1.01	197	.08	25	2.10	.06	.16	11	47

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

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-4401

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	Au* ppb
L99N 78+50E	4	26	15	322	<.3	43	8	689	2.96	<2	6	<2	7	10	.4	4	<2	124	.11	.116	14	27	.51	113	.16	<3	3.86	.01	.09	<2	1
L99N 79+00E	4	24	19	419	<.3	68	10	574	3.12	<2	5	<2	9	12	.7	2	<2	142	.16	.091	18	33	.74	124	.13	3	3.90	.01	.10	<2	1
L99N 79+50E	3	15	19	224	<.3	28	7	1101	3.17	<2	<5	<2	7	10	.8	4	<2	95	.13	.173	20	25	.52	112	.12	<3	2.41	.01	.10	<2	<1
L99N 80+00E	8	32	6	382	.4	36	7	189	4.20	<2	5	<2	3	16	2.4	6	<2	101	.17	.233	10	19	.36	76	.18	3	5.76	.02	.03	<2	<1
RE L99N 80+00E	7	30	8	364	.5	35	6	174	3.94	<2	8	<2	3	15	2.3	2	<2	97	.16	.220	10	17	.34	72	.18	4	5.35	.02	.04	<2	<1

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 POSIE File # 96-4402 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	Au* ppb
L56N 23+50E	1	23	188	765	<.3	85	11	1212	5.58	10	<5	<2	3	52	6.1	<2	<2	146	2.34	.268	21	71	2.37	546	.13	5	3.47	.03	.15	<2	4
L56N 23+75E	1	19	148	513	<.3	39	8	619	4.71	8	<5	<2	5	22	2.7	<2	2	106	.68	.110	21	33	.86	745	.15	<3	4.27	.03	.14	<2	1
L56N 24+00E	1	21	61	389	<.3	34	8	697	3.63	3	<5	<2	5	23	1.4	<2	<2	64	.39	.185	19	34	.72	315	.13	3	3.48	.03	.21	<2	1
L56N 24+25E	1	18	270	884	.3	31	2	1824	4.29	5	<5	<2	<2	36	7.6	<2	2	55	3.10	.254	13	14	.93	281	.06	7	1.43	.02	.09	<2	<1
L56N 24+50E	<1	23	233	619	<.3	19	4	2231	2.71	4	<5	<2	2	47	8.2	<2	<2	84	5.41	.273	20	22	1.54	355	.09	7	2.50	.03	.13	<2	1
L56N 24+75E	1	28	42	240	<.3	28	7	385	2.62	2	<5	<2	6	23	1.0	<2	<2	55	.35	.118	21	29	.66	257	.13	3	3.12	.03	.20	<2	1
L56N 25+00E	1	16	73	558	<.3	30	7	726	2.59	2	<5	<2	6	19	2.4	<2	2	43	.27	.124	18	27	.56	231	.13	3	3.14	.03	.18	<2	<1
L56N 25+25E	1	21	66	577	<.3	41	8	576	3.20	2	<5	<2	7	26	2.7	<2	2	63	.46	.151	18	32	1.40	260	.15	3	4.01	.03	.15	<2	1
L56N 25+50E	1	18	23	251	<.3	36	7	479	2.97	<2	<5	<2	6	19	1.2	<2	<2	55	.31	.141	13	32	.94	320	.15	5	3.95	.03	.14	2	10
L56N 25+75E	1	20	26	229	<.3	64	13	788	4.08	<2	<5	<2	6	20	.8	<2	<2	77	.56	.172	18	52	2.33	363	.17	<3	4.36	.02	.20	<2	1
L56N 26+00E	1	22	48	323	<.3	49	9	1523	3.92	<2	<5	<2	7	23	2.5	<2	<2	112	.90	.313	25	54	2.64	492	.17	4	4.49	.03	.17	<2	1
RE L56N 26+00E	1	24	49	347	<.3	52	10	1636	4.14	<2	<5	<2	7	25	2.2	<2	<2	119	.96	.333	26	58	2.82	528	.18	3	4.79	.03	.19	<2	<1
L56N 26+25E	1	26	33	244	<.3	79	13	784	4.46	2	<5	<2	7	22	1.2	<2	<2	72	.67	.190	26	76	2.35	384	.21	4	5.04	.03	.23	<2	<1
L56N 26+50E	2	20	30	711	<.3	65	10	1125	2.66	4	<5	<2	5	18	4.6	<2	<2	117	.27	.207	14	35	1.03	440	.12	<3	2.87	.02	.14	<2	<1
L56N 26+75E	1	24	17	503	.3	63	7	618	2.16	3	<5	<2	4	36	5.9	<2	<2	42	.62	.027	17	27	.57	233	.11	3	2.53	.05	.11	<2	<1
L56N 27+00E	1	18	26	287	<.3	27	8	703	2.51	8	<5	<2	5	17	1.1	<2	2	46	.21	.320	13	27	.45	309	.13	<3	3.27	.03	.13	<2	1
L56N 27+25E	1	14	25	259	<.3	29	8	617	2.32	<2	<5	<2	6	19	1.2	<2	<2	40	.26	.217	17	26	.42	346	.13	3	3.16	.03	.13	<2	2
L56N 27+50E	1	19	24	186	<.3	34	7	742	2.15	4	<5	<2	6	19	1.0	<2	3	41	.24	.096	18	27	.41	412	.12	4	2.67	.03	.16	<2	<1
L55N 19+50E	1	32	23	137	<.3	31	8	424	2.56	10	<5	<2	8	26	1.0	<2	<2	68	.57	.118	25	29	.70	143	.07	<3	1.50	.02	.20	3	2
L55N 20+00E	<1	23	10	102	<.3	30	11	526	3.04	3	<5	<2	5	22	.2	<2	<2	54	.28	.101	19	37	.91	165	.10	<3	2.14	.02	.20	<2	2
L55N 20+50E	1	23	15	106	<.3	30	9	334	2.98	<2	<5	<2	6	20	.3	<2	<2	50	.33	.084	21	34	.83	217	.12	<3	2.91	.02	.23	<2	1
L55N 21+00E	<1	19	15	76	<.3	27	8	333	2.41	4	<5	<2	8	18	.3	<2	<2	48	.28	.058	27	37	.63	149	.11	<3	1.64	.02	.32	2	2
L55N 21+50E	1	15	12	136	<.3	31	9	708	2.47	5	<5	<2	4	28	.6	<2	<2	41	.52	.272	19	35	.54	343	.11	3	2.63	.02	.28	<2	1
L55N 22+00E	1	15	17	132	<.3	26	8	298	2.19	3	<5	<2	5	17	.4	<2	<2	49	.27	.110	20	29	.51	157	.10	<3	1.68	.02	.23	<2	1
L55N 22+50E	1	24	56	264	<.3	30	11	1998	3.22	25	<5	<2	3	34	1.7	<2	2	42	1.36	.186	21	27	.70	419	.10	<3	2.77	.02	.24	2	2
L55N 22+75E	1	30	236	647	.3	37	16	2484	3.70	23	<5	<2	3	38	3.4	2	<2	46	1.07	.155	30	27	.99	410	.10	5	3.08	.02	.25	<2	25
L55N 23+00E	<1	18	93	681	<.3	30	6	688	3.17	2	<5	<2	4	30	3.1	2	<2	59	1.45	.086	19	28	1.27	248	.13	3	3.56	.04	.21	<2	1
L55N 23+25E	1	26	93	827	.5	30	6	768	2.37	5	<5	<2	<2	51	6.4	3	<2	46	7.66	.154	12	21	3.47	232	.06	9	2.11	.02	.14	<2	4
L54N 24+00E	2	14	40	262	<.3	34	9	1004	2.95	12	<5	<2	5	19	.8	<2	<2	44	.51	.183	17	33	.60	291	.13	5	3.57	.02	.35	20	2
L54N 24+25E	2	14	31	270	<.3	30	8	1488	2.70	3	<5	<2	5	18	1.3	<2	3	41	.38	.153	17	33	.56	358	.13	<3	3.34	.02	.29	14	1
L54N 24+50E	1	14	26	236	<.3	31	8	680	2.43	5	<5	<2	5	15	1.1	<2	4	43	.32	.071	18	33	.58	265	.12	<3	2.71	.02	.25	9	14
L54N 24+75E	2	20	35	246	<.3	34	9	1051	2.85	8	<5	<2	6	21	1.2	<2	4	49	.41	.115	20	35	.68	297	.15	<3	3.39	.02	.30	15	4
L54N 25+00E	1	20	29	281	<.3	29	9	738	2.41	9	<5	<2	6	21	1.0	<2	<2	42	.33	.238	15	30	.48	323	.13	<3	3.28	.03	.17	6	1
L54N 25+25E	1	26	36	314	<.3	31	6	643	2.28	2	<5	<2	5	26	2.0	<2	<2	46	.61	.033	19	30	.55	243	.11	<3	2.47	.03	.12	<2	1
L54N 25+50E	1	36	59	378	.3	35	7	879	2.29	<2	<5	<2	5	30	3.7	<2	2	50	.65	.039	18	37	.61	248	.11	4	2.64	.04	.12	3	<1
STANDARD C2/AU-S	20	60	40	150	7.1	69	33	1212	3.94	42	19	7	36	55	20.9	17	20	75	.56	.106	43	64	1.01	205	.09	27	2.16	.07	.16	12	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: SEP 11 1996 DATE REPORT MAILED: Sep 24/96 SIGNED BY. ....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L54N 25+75E	1	10	61	431	<.3	24	8	924	2.28	2	<5	<2	5	16	1.9	<2	2	43	.24	.235	14	25	.43	309	.10	<3	2.25	.02	.11	<2	1
L54N 26+00E	1	15	71	504	<.3	30	9	259	2.40	<2	5	<2	6	21	3.6	<2	<2	47	.34	.244	15	25	.53	259	.11	3	3.09	.02	.15	3	1
L54N 26+25E	2	25	91	358	.3	32	9	391	2.63	4	<5	<2	7	20	1.5	<2	<2	56	.37	.210	20	32	.60	333	.13	3	3.65	.03	.20	2	1
L54N 26+50E	1	21	86	479	<.3	38	9	402	2.59	3	<5	<2	6	19	2.0	<2	<2	61	.36	.219	17	36	.65	465	.12	4	3.05	.02	.20	<2	<1
L53N 19+00E	1	16	24	124	<.3	24	8	2051	2.51	<2	<5	<2	3	28	.5	<2	<2	39	.47	.182	11	21	.48	366	.14	3	3.26	.03	.12	<2	<1
L53N 19+50E	1	20	16	130	<.3	31	9	672	2.62	<2	<5	<2	4	22	.2	<2	<2	43	.29	.207	14	27	.53	285	.11	<3	3.41	.02	.13	<2	<1
L53N 20+00E	1	15	16	150	<.3	31	11	908	3.10	<2	<5	<2	4	26	.6	<2	2	48	.39	.247	15	31	.63	410	.11	<3	3.28	.02	.15	<2	1
RE L53N 20+00E	1	15	13	143	<.3	31	10	867	2.98	<2	<5	<2	4	25	.4	<2	<2	46	.38	.238	15	31	.60	394	.10	<3	3.14	.02	.14	<2	2
L53N 20+50E	1	14	19	201	<.3	38	9	695	2.43	3	<5	<2	5	24	.5	<2	2	38	.33	.283	19	32	.49	366	.11	3	2.89	.02	.19	<2	<1
L53N 21+00E	<1	21	15	135	<.3	35	12	650	3.05	<2	<5	<2	5	25	.5	2	<2	43	.35	.247	18	32	.67	366	.11	3	3.43	.02	.20	<2	2
L53N 21+50E	<1	21	14	98	<.3	33	13	501	3.25	<2	<5	<2	5	18	.2	<2	<2	49	.29	.086	19	37	.97	189	.09	<3	2.19	.01	.18	<2	1
L53N 22+00E	1	26	27	170	<.3	44	14	977	2.92	6	<5	<2	6	24	1.0	<2	<2	58	.54	.142	23	50	.86	316	.12	3	2.55	.02	.44	<2	2
L53N 22+50E	1	23	21	134	<.3	40	11	432	2.78	4	<5	<2	8	22	.4	<2	<2	53	.34	.075	21	43	.75	235	.12	<3	2.80	.02	.33	<2	2
L53N 23+00E	1	36	21	174	<.3	50	15	532	3.10	8	<5	<2	7	22	.8	2	<2	64	.48	.117	20	55	1.01	331	.12	3	2.72	.02	.36	3	23
L53N 23+50E	1	20	31	176	<.3	34	11	567	2.72	5	<5	<2	5	19	.8	<2	<2	50	.39	.097	22	40	.73	245	.13	3	2.51	.02	.35	5	1
STANDARD C2/AU-S	21	59	40	144	7.0	72	36	1199	3.95	37	20	8	36	52	20.2	14	18	72	.56	.109	40	65	1.03	194	.08	27	2.06	.06	.13	9	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	Au* ppb
L103N 60+50E	4	69	27	699	1.2	50	10	634	3.36	<2	<5	<2	4	14	2.0	2	2	233	.34	.347	12	41	.64	239	.13	<3	3.26	.01	.07	<2	1
L103N 61+00E	6	160	43	2205	1.8	119	23	819	3.41	<2	10	<2	<2	31	39.7	<2	2	320	.58	.302	17	40	.71	268	.06	<3	3.19	.02	.07	<2	<1
L103N 61+50E	5	191	36	2252	1.9	130	21	667	2.69	<2	<5	<2	<2	48	30.6	<2	<2	321	1.29	.248	18	42	.83	318	.06	<3	3.23	.02	.06	<2	<1
L103N 62+00E	8	50	23	834	1.1	59	7	444	4.18	<2	<5	<2	2	19	3.3	<2	<2	151	.21	.200	9	22	.39	234	.13	<3	3.81	.01	.06	<2	<1
L103N 62+50E	5	38	30	1035	1.9	60	9	427	3.29	<2	<5	<2	<2	18	3.6	2	<2	267	.30	.208	9	29	.48	269	.10	<3	2.53	.01	.06	<2	<1
L103N 63+00E	6	47	64	430	1.8	44	6	256	3.27	<2	<5	<2	3	12	1.2	5	3	290	.21	.377	9	32	.40	167	.09	<3	2.86	.01	.05	<2	<1
L103N 63+50E	16	126	22	667	3.6	79	5	140	4.16	<2	<5	<2	2	21	1.6	<2	5	375	.29	.278	11	29	.39	122	.10	<3	4.52	.01	.06	<2	1
L103N 64+00E	3	42	16	441	.5	40	4	166	3.01	2	<5	<2	3	10	1.2	<2	<2	237	.28	.530	8	28	.37	130	.12	3	3.35	.01	.04	<2	1
L103N 64+50E	5	39	26	326	1.3	25	2	125	2.86	<2	<5	<2	2	9	1.3	<2	<2	188	.15	.298	8	21	.26	119	.15	<3	2.08	.01	.04	2	1
L103N 65+00E	8	102	24	1053	3.3	82	5	129	3.40	<2	<5	<2	7	29	1.8	<2	<2	581	.58	.509	15	45	.69	184	.13	<3	4.87	.01	.07	<2	1
L103N 65+50E	6	50	35	1417	.8	65	10	686	3.97	<2	<5	<2	3	31	4.0	<2	<2	305	.56	.321	10	37	.82	264	.14	<3	3.58	.02	.07	<2	<1
L103N 66+00E	4	87	35	2627	1.2	125	22	629	3.15	<2	9	<2	<2	31	15.6	<2	<2	364	1.03	.220	13	39	.81	216	.10	<3	3.56	.01	.06	<2	<1
L103N 66+50E	4	42	128	786	1.3	43	7	374	3.42	5	<5	<2	2	15	1.6	<2	<2	308	.62	.443	11	34	.56	192	.10	<3	2.26	.01	.07	4	<1
L103N 67+00E	3	37	279	1254	.5	32	5	846	3.43	<2	<5	<2	2	23	1.3	<2	<2	222	2.32	1.042	11	29	.68	186	.09	<3	2.14	.01	.06	<2	1
L103N 67+50E	3	55	178	1450	.6	54	8	1077	3.78	2	<5	<2	2	21	2.1	<2	<2	271	1.75	.776	13	35	.74	178	.08	<3	2.58	.01	.07	5	1
L103N 68+00E	7	58	51	610	1.2	49	4	371	3.47	<2	<5	<2	2	12	1.1	<2	3	226	.38	.352	11	31	.43	93	.10	<3	3.12	.01	.07	3	<1
L103N 68+50E	10	53	55	401	<.3	44	8	578	3.56	4	<5	<2	<2	11	1.2	<2	<2	124	.16	.171	10	19	.37	71	.06	<3	2.38	.01	.07	2	<1
L103N 69+00E	8	50	31	509	.3	51	9	776	3.38	<2	<5	<2	<2	11	1.4	<2	<2	149	.15	.176	12	24	.45	77	.08	<3	3.42	.01	.09	<2	1
L103N 69+50E	3	16	17	44	1.4	6	<1	64	3.30	5	<5	<2	3	8	.7	2	3	92	.10	.296	5	12	.09	52	.18	<3	2.43	.02	.05	<2	1
RE L103N 69+50E	2	16	19	42	1.2	5	<1	56	3.28	7	<5	<2	2	8	.5	<2	2	90	.10	.296	5	13	.09	50	.18	<3	2.39	.02	.05	<2	<1
L103N 70+00E	8	54	35	476	<.3	47	3	215	4.56	2	<5	<2	6	10	1.4	2	<2	267	.15	.181	12	35	.51	102	.12	<3	3.92	.01	.07	4	<1
L103N 70+50E	4	24	28	250	1.1	25	3	359	2.98	2	<5	<2	3	9	1.0	<2	<2	146	.10	.212	8	21	.27	82	.15	<3	3.45	.02	.06	<2	<1
L103N 71+00E	4	18	24	146	.5	17	2	152	3.15	2	<5	<2	3	7	.6	<2	3	140	.06	.176	7	18	.23	56	.18	<3	2.46	.02	.06	<2	1
L103N 71+50E	5	24	16	272	.3	26	3	195	3.29	<2	<5	<2	3	11	.4	<2	<2	128	.14	.200	8	22	.34	99	.15	3	3.53	.02	.07	5	<1
L103N 72+00E	12	32	20	264	1.0	27	4	412	3.68	4	<5	<2	3	13	1.0	2	<2	237	.16	.092	10	24	.33	103	.15	<3	2.79	.01	.07	<2	<1
L103N 72+50E	10	24	12	405	.4	43	3	186	3.87	<2	<5	<2	5	10	.9	<2	<2	225	.12	.079	7	22	.35	66	.15	<3	2.69	.01	.05	<2	<1
L103N 73+00E	8	33	20	549	.3	46	8	217	3.62	<2	<5	<2	8	9	.8	<2	2	153	.09	.119	11	25	.37	74	.18	<3	5.08	.01	.08	<2	<1
L103N 73+50E	6	21	25	252	<.3	22	5	384	4.04	5	<5	<2	6	8	.5	<2	<2	125	.07	.101	11	23	.38	86	.20	<3	4.25	.02	.10	<2	<1
L103N 74+00E	3	14	18	145	.4	10	5	1275	2.86	<2	<5	<2	5	6	.5	<2	<2	84	.05	.050	11	15	.22	77	.15	<3	2.98	.01	.09	<2	<1
L103N 74+50E	3	11	22	164	<.3	10	3	567	2.30	<2	<5	<2	6	6	.8	<2	<2	48	.05	.085	9	11	.20	78	.12	<3	4.66	.01	.08	<2	<1
L103N 75+00E	6	23	14	536	.7	47	7	296	2.98	<2	<5	<2	5	8	1.4	<2	<2	234	.07	.119	8	32	.47	80	.14	<3	4.26	.01	.06	<2	<1
L103N 75+50E	7	28	15	505	<.3	53	5	291	2.74	<2	<5	<2	5	8	.7	3	<2	218	.07	.083	8	23	.41	74	.16	3	3.97	.01	.05	<2	<1
L103N 76+00E	13	35	17	603	.3	64	6	196	3.49	2	<5	<2	5	9	.7	<2	<2	288	.09	.084	9	32	.51	80	.17	<3	4.12	.01	.06	2	<1
L103N 76+50E	10	22	14	511	<.3	51	4	516	3.92	<2	<5	<2	5	9	.8	<2	2	209	.09	.122	8	28	.38	90	.17	<3	4.89	.01	.07	<2	1
L103N 77+00E	16	27	14	478	<.3	61	5	300	3.62	<2	<5	<2	5	9	.9	<2	<2	384	.10	.057	9	36	.35	68	.13	<3	3.38	.01	.05	<2	<1
STANDARD C2/AU-S	20	58	38	144	6.9	71	33	1174	3.95	40	15	7	35	52	20.3	18	22	72	.52	.106	41	61	.97	198	.08	28	2.06	.06	.15	11	46

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

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-4404

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	Au* ppb
L103N 77+50E	9	17	20	647	<.3	40	9	973	4.07	6	<5	<2	8	8	1.6	<2	<2	204	.09	.209	14	30	.47	89	.17	3	3.65	.01	.09	<2	<1
L103N 78+00E	4	10	33	249	<.3	17	4	516	2.33	6	<5	<2	3	8	2.3	<2	<2	100	.11	.029	10	15	.16	83	.14	<3	1.17	.01	.05	<2	<1
L103N 78+50E	7	19	16	464	<.3	38	5	452	3.19	<2	<5	<2	6	9	.8	<2	<2	139	.09	.096	9	23	.41	74	.19	<3	4.59	.01	.06	<2	<1
L103N 79+00E	4	15	26	404	<.3	26	9	654	3.01	2	<5	<2	4	8	1.2	<2	<2	80	.07	.105	8	16	.22	130	.20	<3	3.97	.02	.05	<2	1
L103N 79+50E	7	18	20	378	<.3	31	26	1321	3.05	<2	7	<2	6	9	.7	<2	<2	71	.08	.108	10	21	.35	131	.20	<3	4.74	.02	.07	<2	<1
L103N 80+00E	4	13	13	228	.7	23	5	181	2.57	<2	6	<2	3	10	.9	2	<2	111	.11	.104	9	17	.18	82	.15	<3	4.46	.02	.03	<2	<1
RE L103N 80+00E	4	13	13	228	.5	21	5	190	2.57	3	5	<2	2	10	.9	4	<2	111	.11	.106	8	17	.18	83	.15	<3	4.50	.02	.02	<2	1

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	Au* ppb
L64N 30+50E	1	20	20	122	<.3	23	7	381	1.99	<2	<5	<2	9	14	.5	<2	<2	43	.22	.092	19	25	.47	139	.09	<3	1.65	.01	.13	<2	1
L64N 31+00E	1	20	43	336	<.3	34	9	566	2.38	2	<5	<2	9	17	2.0	<2	<2	61	.27	.200	13	30	.46	270	.14	3	3.37	.02	.11	<2	1
L64N 31+50E	21	83	859	862	1.2	63	16	1066	6.07	28	<5	<2	9	104	4.9	3	<2	114	6.91	.091	20	42	4.14	445	.13	4	3.77	.03	.22	3	10
L64N 31+75E	1	27	138	772	.3	39	9	1478	3.47	2	<5	<2	10	27	5.1	<2	<2	101	1.15	.219	18	31	.84	472	.12	3	2.73	.03	.16	<2	1
L64N 32+00E	2	119	27	451	1.3	51	11	332	2.52	6	<5	<2	9	22	4.3	<2	<2	264	.57	.198	17	57	1.44	795	.10	<3	2.74	.01	.20	<2	1
L64N 32+25E	1	29	50	274	<.3	28	8	464	1.98	5	<5	<2	7	15	2.2	<2	<2	71	.32	.088	19	29	.52	258	.08	<3	1.54	.01	.15	4	1
L64N 32+50E	4	172	20	339	.4	53	11	160	2.20	<2	7	<2	9	26	.5	3	<2	293	.42	.155	17	66	1.59	1439	.09	<3	2.84	.01	.10	<2	1
L64N 33+00E	2	60	40	824	.7	59	12	519	2.61	7	<5	<2	8	20	6.4	3	<2	149	.41	.352	16	44	.87	701	.11	<3	2.90	.02	.13	<2	1
L63N 29+00E	1	21	24	118	<.3	28	9	326	2.28	3	<5	<2	8	16	.3	3	2	46	.24	.091	20	31	.57	140	.10	<3	1.95	.01	.12	2	1
L63N 29+50E	1	22	23	198	<.3	36	9	685	2.42	4	<5	<2	8	16	.4	<2	<2	46	.17	.182	16	33	.50	206	.12	<3	3.01	.02	.12	<2	2
L63N 30+00E	<1	26	14	148	<.3	33	10	495	2.93	<2	<5	<2	9	20	.7	<2	<2	56	.27	.135	20	38	.70	208	.11	<3	2.88	.01	.20	<2	<1
L63N 30+50E	1	16	15	84	<.3	25	8	232	2.33	<2	<5	<2	7	16	.3	<2	<2	44	.24	.061	16	29	.56	150	.11	<3	1.90	.01	.15	<2	1
L63N 31+00E	2	29	197	217	<.3	35	12	435	2.89	21	<5	<2	9	21	1.1	2	2	57	.40	.093	20	42	.71	147	.10	<3	1.57	.02	.21	12	14
L63N 31+50E	1	31	63	285	.5	40	10	199	2.54	2	<5	<2	8	21	2.0	<2	<2	76	.36	.162	21	33	.61	310	.14	<3	3.55	.03	.16	2	1
L63N 32+00E	1	37	39	575	.5	50	10	335	2.41	2	<5	<2	6	22	4.0	<2	<2	97	.31	.204	13	31	.55	397	.14	<3	3.37	.03	.12	<2	<1
L63N 32+50E	1	52	48	378	<.3	51	13	370	2.82	15	<5	<2	10	22	2.5	4	2	89	.36	.221	16	43	.72	280	.15	<3	3.82	.03	.14	7	1
RE L63N 32+50E	2	51	48	372	.4	51	13	360	2.77	9	<5	<2	9	22	2.0	<2	2	87	.35	.214	15	41	.71	271	.15	<3	3.76	.03	.14	3	2
L61N 28+00E	1	19	12	44	<.3	17	7	171	1.97	3	<5	<2	8	13	<.2	<2	<2	36	.19	.032	22	24	.46	41	.07	<3	.91	.01	.09	<2	1
L61N 28+50E	1	20	35	122	<.3	29	9	268	2.34	<2	<5	<2	8	15	.2	<2	<2	45	.31	.079	17	33	.59	171	.10	<3	2.08	.01	.17	2	1
L61N 29+00E	1	18	40	314	<.3	36	10	538	2.57	2	<5	<2	7	20	1.3	<2	<2	51	.27	.190	14	31	.48	341	.15	3	3.68	.02	.14	3	<1
L61N 29+50E	1	22	49	235	.3	34	10	467	2.49	<2	<5	<2	8	19	1.0	<2	<2	50	.27	.211	18	33	.49	235	.15	3	3.66	.03	.19	5	1
L61N 30+00E	1	13	17	140	<.3	27	9	427	2.16	2	<5	<2	7	14	.8	<2	<2	43	.22	.097	19	32	.47	205	.11	<3	1.99	.01	.16	3	7
L61N 30+50E	1	27	32	475	.5	35	7	435	2.48	<2	<5	<2	7	25	4.7	<2	<2	98	.34	.344	14	24	.50	335	.18	3	4.56	.03	.10	<2	1
L61N 31+00E	2	95	20	726	2.2	66	10	301	2.99	<2	<5	<2	6	42	6.6	<2	<2	136	.52	.287	12	29	.78	688	.20	3	5.19	.04	.08	<2	1
L61N 31+50E	10	390	57	1834	8.2	159	35	679	6.56	11	21	<2	7	97	16.8	<2	<2	257	1.22	.422	12	41	1.26	800	.12	5	5.63	.02	.16	<2	11
L61N 32+00E	4	74	31	1406	.9	82	14	719	3.46	<2	6	<2	4	33	9.4	<2	<2	275	.43	.349	9	41	1.03	645	.14	<3	3.90	.02	.10	<2	1
L61N 32+50E	3	82	31	980	1.2	49	15	1568	2.72	2	<5	<2	3	45	12.3	2	<2	152	.71	.296	8	44	.91	1870	.11	4	2.54	.02	.13	<2	1
STANDARD C2/AU-S	21	60	40	142	6.6	73	36	1139	3.76	34	19	8	38	50	19.4	13	17	73	.52	.104	39	65	.99	185	.08	26	1.96	.06	.13	11	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	Au* ppb
L95N 60+50E	2	53	65	1798	<.3	86	13	737	2.84	<2	<5	<2	4	21	14.4	<2	<2	194	.53	.309	10	41	.68	310	.13	8	2.85	.02	.10	<2	1
L95N 61+00E	4	52	47	1350	.3	52	15	1655	2.89	5	<5	<2	3	27	8.2	<2	4	153	.49	.449	10	29	.47	606	.13	4	2.74	.02	.13	<2	1
L95N 61+50E	8	131	49	1100	1.2	108	18	673	3.36	4	<5	<2	3	25	4.3	3	2	238	.51	.266	16	32	.67	160	.09	3	3.42	.01	.10	2	<1
L95N 62+00E	6	119	67	922	1.0	82	14	816	3.00	<2	<5	<2	2	24	3.5	2	8	209	.49	.274	15	32	.71	190	.08	4	3.21	.02	.11	<2	1
L95N 62+50E	6	106	35	1040	.4	89	14	534	3.24	<2	<5	<2	3	24	4.5	<2	<2	254	.49	.247	12	31	.61	170	.12	4	3.19	.01	.09	<2	<1
L95N 63+00E	4	74	38	1422	1.2	91	14	293	3.24	<2	<5	<2	5	15	4.9	<2	<2	278	.64	.289	12	34	.69	176	.12	3	3.47	.01	.07	<2	1
L95N 63+50E	4	74	61	1570	4.6	138	8	184	3.46	5	<5	<2	3	20	6.6	<2	2	327	.50	.345	10	52	.57	219	.12	<3	4.06	.02	.06	<2	<1
L95N 64+00E	3	42	27	548	2.0	32	10	363	2.42	<2	<5	<2	3	13	4.8	<2	<2	201	.36	.471	9	27	.34	183	.11	4	2.70	.02	.05	<2	<1
L95N 64+50E	4	52	38	856	1.3	57	12	277	2.77	<2	<5	<2	4	17	3.5	<2	<2	257	.50	.426	11	32	.49	215	.10	<3	3.09	.01	.07	<2	<1
L95N 65+00E	3	93	216	2338	3.4	66	8	866	3.44	6	<5	<2	2	20	7.5	<2	4	181	1.71	.742	18	27	.94	221	.07	<3	2.37	.02	.05	<2	<1
L95N 65+50E	3	64	86	1558	2.0	48	12	417	2.80	<2	<5	<2	5	19	7.4	<2	<2	242	.71	.602	12	38	.52	355	.11	5	3.00	.01	.06	<2	1
L95N 66+00E	3	39	110	647	1.8	38	7	348	2.60	<2	<5	<2	3	13	2.4	<2	4	221	.48	.389	11	30	.34	155	.10	5	2.12	.01	.06	<2	1
L95N 66+50E	4	50	69	748	1.7	47	8	202	2.57	<2	<5	<2	4	15	3.8	2	2	239	.51	.377	13	31	.37	161	.10	4	2.42	.02	.05	<2	<1
L95N 66+75E	7	92	195	1153	1.6	76	12	324	3.26	<2	<5	<2	5	16	1.8	<2	2	304	.49	.338	14	40	.59	167	.12	3	3.25	.01	.07	<2	1
L95N 67+00E	10	88	114	1040	.9	70	14	1104	2.90	<2	<5	<2	<2	16	2.7	<2	4	233	.43	.338	16	35	.58	133	.07	3	2.61	<.01	.10	<2	1
L95N 67+50E	7	71	66	566	.3	51	9	1080	2.64	3	<5	<2	2	20	2.0	<2	7	182	.47	.292	12	27	.38	172	.09	3	2.27	.01	.07	<2	<1
L95N 68+00E	6	81	57	581	.5	57	8	856	2.48	<2	5	<2	2	16	1.6	<2	4	233	.52	.307	15	30	.34	134	.08	<3	2.21	<.01	.06	2	<1
RE L95N 68+00E	5	83	61	603	.6	53	8	900	2.56	<2	<5	<2	2	16	1.7	<2	3	242	.53	.316	15	32	.36	135	.08	<3	2.27	<.01	.06	3	<1
L95N 68+50E	6	88	96	758	.6	63	12	960	2.90	<2	<5	<2	<2	19	3.1	<2	8	261	.56	.372	15	36	.41	138	.06	<3	2.62	.01	.09	<2	1
L91N 60+50E	5	156	35	1424	.9	117	23	733	4.05	3	<5	<2	6	30	7.8	<2	4	302	.80	.463	14	48	.72	334	.11	3	3.48	<.01	.11	<2	1
L91N 61+00E	7	161	61	1086	1.0	99	17	670	3.41	11	<5	<2	<2	23	4.1	<2	2	305	.65	.370	14	36	.59	216	.09	<3	3.15	.01	.10	2	1
L91N 61+50E	12	127	45	1831	2.0	191	25	743	3.84	5	<5	<2	2	23	7.8	<2	5	360	.49	.334	18	40	.64	182	.08	<3	3.81	.01	.10	<2	1
L91N 62+00E	8	150	37	1587	2.8	126	21	602	4.27	2	5	<2	2	52	11.8	<2	<2	542	1.41	.313	16	48	.63	252	.09	<3	4.15	.01	.12	<2	2
L91N 62+50E	7	151	25	1016	1.3	104	19	743	4.03	3	<5	<2	3	44	6.8	<2	<2	264	1.04	.458	15	36	.64	227	.09	3	4.00	.02	.10	<2	1
L91N 63+00E	5	82	34	1184	.8	89	15	499	2.91	<2	<5	<2	3	31	12.0	<2	2	246	.87	.469	12	36	.58	353	.10	<3	2.90	.01	.10	<2	1
L91N 63+50E	5	68	27	1027	1.3	77	11	495	2.62	3	<5	<2	3	17	6.5	<2	<2	304	.62	.290	13	35	.59	228	.08	4	2.42	.01	.08	<2	4
L91N 64+00E	4	61	32	837	.6	61	11	1532	2.62	<2	<5	<2	2	32	7.6	<2	2	213	.77	.389	13	27	.48	343	.10	4	2.78	.01	.10	6	1
L91N 64+50E	3	70	32	841	.7	59	13	825	2.43	2	<5	<2	4	28	6.9	2	2	199	.86	.396	14	31	.42	362	.09	<3	1.97	<.01	.08	<2	1
L91N 65+00E	2	25	43	529	.3	22	8	1922	2.51	2	<5	<2	3	32	3.6	<2	6	82	.59	.376	16	15	.35	332	.09	5	2.94	.01	.15	<2	1
L91N 65+50E	3	36	90	589	.4	38	8	970	2.30	<2	13	<2	5	24	2.4	<2	6	140	.46	.208	22	24	.36	127	.09	<3	2.48	.02	.12	<2	1
L91N 66+00E	2	23	47	443	.3	23	8	1112	2.08	<2	<5	<2	3	30	1.9	<2	3	91	.50	.262	15	13	.31	193	.08	<3	2.03	.02	.15	<2	1
L91N 66+50E	4	23	36	391	<.3	32	9	1884	2.65	<2	9	<2	5	29	2.7	<2	<2	70	.38	.152	19	25	.48	319	.10	<3	3.08	.01	.16	<2	1
L91N 67+00E	2	33	43	325	<.3	54	12	2416	2.72	<2	<5	<2	3	36	2.5	<2	<2	100	.33	.097	16	48	.63	430	.13	<3	2.73	<.01	.14	<2	1
L91N 67+50E	3	21	29	245	<.3	16	8	1760	2.36	<2	<5	<2	6	22	2.4	<2	2	65	.25	.147	17	14	.39	242	.10	<3	2.33	.01	.14	<2	1
L91N 68+00E	2	42	44	407	.3	35	9	1680	2.40	<2	<5	<2	3	20	2.7	2	<2	117	.33	.163	15	20	.40	217	.10	3	2.65	.01	.13	<2	<1
STANDARD C2/AU-S	20	58	36	149	6.9	69	38	1106	3.76	37	17	7	36	51	20.3	15	17	73	.52	.107	39	62	.95	188	.08	28	2.03	.06	.15	12	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	Au* ppb
L91N 68+50E	3	39	35	462	<.3	43	11	2077	2.99	12	<5	<2	5	36	2.6	<2	<2	129	.39	.168	19	32	.56	356	.13	<3	3.35	.01	.17	<2	1
L91N 69+00E	4	48	45	527	.3	46	13	754	3.05	8	9	<2	5	26	1.8	2	<2	167	.38	.282	16	30	.57	246	.13	<3	3.17	.01	.11	<2	1
L91N 69+50E	6	49	40	398	.4	39	11	1234	3.20	3	<5	<2	5	16	1.2	<2	2	139	.19	.185	15	28	.52	235	.15	<3	3.48	.01	.10	<2	1
L91N 70+00E	3	59	50	424	.5	39	13	1245	3.16	8	26	<2	4	25	2.2	<2	2	155	.32	.112	20	30	.52	190	.14	<3	3.14	.01	.11	<2	1
L91N 70+50E	4	42	38	354	<.3	30	9	1459	2.54	<2	<5	<2	<2	18	1.3	2	<2	108	.22	.233	13	20	.39	166	.10	<3	3.19	.01	.10	<2	<1
L91N 71+00E	4	55	49	399	.3	35	10	1141	2.49	<2	<5	<2	<2	13	1.3	<2	<2	148	.26	.190	16	23	.41	141	.08	<3	3.01	.01	.10	<2	1
L91N 71+50E	5	36	34	318	.3	26	10	2033	3.03	<2	<5	<2	2	24	1.3	<2	<2	104	.26	.143	13	20	.41	234	.13	<3	3.32	.01	.11	<2	1
L91N 72+00E	4	45	33	369	.4	33	10	1553	2.82	2	<5	<2	2	24	1.8	<2	<2	132	.31	.139	13	25	.43	229	.11	<3	2.78	.01	.11	<2	<1
L91N 72+50E	4	37	28	392	.9	34	10	1238	2.84	3	<5	<2	4	24	2.3	<2	4	129	.30	.116	18	25	.45	233	.12	3	3.02	.01	.11	<2	2
L91N 73+00E	4	36	36	494	<.3	27	10	1949	2.91	<2	<5	<2	5	24	4.3	<2	<2	130	.29	.137	18	33	.45	363	.13	<3	2.40	.01	.12	<2	1
L91N 73+50E	3	20	20	341	<.3	20	8	1300	3.02	<2	<5	<2	8	28	3.0	<2	<2	100	.29	.098	16	21	.40	233	.16	<3	2.60	.01	.13	<2	<1
RE L91N 73+50E	2	21	27	342	<.3	20	8	1310	3.07	3	<5	<2	9	28	3.0	<2	<2	101	.29	.099	17	20	.40	236	.16	<3	2.61	.02	.13	<2	<1
L91N 74+00E	4	19	12	191	.5	20	8	771	3.21	<2	<5	<2	7	25	1.1	<2	<2	90	.21	.075	13	19	.42	173	.17	<3	3.80	.02	.11	<2	1
L91N 74+50E	2	16	25	418	.6	21	8	1719	3.12	2	<5	<2	12	21	1.8	<2	<2	93	.23	.208	12	30	.41	318	.19	<3	2.51	.02	.11	<2	1
L91N 75+00E	5	14	15	374	<.3	23	8	530	3.40	<2	<5	<2	5	19	3.4	<2	<2	103	.20	.073	13	26	.36	173	.20	<3	2.92	.02	.10	<2	<1
L91N 75+50E	1	21	11	186	<.3	38	12	701	3.41	<2	<5	<2	5	28	.8	<2	<2	75	.31	.130	11	37	.73	151	.22	<3	5.00	.03	.16	<2	1
L91N 76+00E	2	30	14	259	<.3	43	15	633	3.65	<2	<5	<2	7	38	1.6	<2	2	97	.33	.200	15	50	.92	255	.18	4	4.40	.02	.20	<2	1
L91N 76+50E	2	33	12	186	.8	48	8	540	3.14	<2	32	<2	3	50	6.6	<2	<2	124	.93	.103	20	90	.58	107	.13	<3	4.45	.03	.11	<2	2
L91N 77+00E	5	53	13	512	.3	85	13	1156	3.33	<2	30	<2	4	51	10.2	<2	<2	138	.56	.113	25	55	.81	159	.12	<3	4.11	.03	.17	<2	1
L91N 77+50E	2	33	6	244	<.3	33	11	720	3.20	<2	<5	<2	<2	31	3.2	<2	<2	60	.46	.218	16	37	.75	143	.14	<3	6.31	.02	.15	<2	1
STANDARD C2/AU-S	20	60	30	131	7.2	71	36	1217	4.05	37	16	8	37	54	20.5	19	14	73	.53	.110	39	69	1.00	210	.09	27	2.12	.07	.17	10	40

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	Au* ppb
L95N 64+05E	4	233	47	1947	2.4	118	10	540	2.07	<2	26	<2	2	34	33.6	<2	<2	286	1.91	.312	20	47	.51	282	.05	5	1.80	.01	.06	<2	1
L95N 64+95E	3	116	112	1937	2.4	74	8	449	2.25	<2	13	<2	2	29	21.9	<2	3	310	1.59	.360	18	54	.62	200	.06	<3	1.97	.01	.04	<2	1
L91N 64+90E	4	106	135	2066	1.7	76	6	495	1.96	<2	17	<2	2	28	21.6	<2	<2	255	1.76	.411	16	41	.47	191	.05	<3	1.52	.01	.04	<2	1
L91N 77+48E	4	25	21	326	.5	46	7	594	2.06	<2	40	<2	4	47	5.3	<2	<2	115	.97	.079	22	34	.51	79	.08	3	2.12	.02	.12	<2	<1
RE L91N 64+90E	3	100	120	1946	1.7	71	6	456	1.89	<2	18	<2	2	26	19.6	<2	<2	243	1.66	.391	17	39	.44	182	.05	3	1.43	.01	.04	2	1

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

Sultan Minerals PROJECT JERSEY FILE # 96-4757

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L95N 69+00E	6	67	45	617	1.0	52	11	1078	2.94	10	<5	<2	<2	15	2.6	<2	<2	245	.34	.237	15	30	.39	137	.09	<3	2.39	.01	.07	<2	<1
L95N 69+50E	5	45	43	730	1.2	47	12	628	2.89	10	<5	<2	3	13	2.3	<2	2	203	.41	.474	12	27	.32	104	.12	<3	3.39	.01	.04	3	<1
L95N 70+00E	3	24	46	403	.7	25	6	1004	2.62	7	<5	<2	3	9	1.1	<2	<2	155	.23	.295	8	23	.27	116	.13	<3	2.29	.01	.04	2	<1
L95N 70+50E	6	26	27	382	.5	27	9	872	2.93	3	<5	<2	5	8	1.2	<2	<2	107	.10	.247	7	18	.26	95	.17	<3	4.12	.02	.05	4	<1
L95N 71+00E	7	21	30	365	.4	29	7	289	3.00	5	<5	<2	8	8	.7	2	<2	141	.09	.093	12	19	.30	91	.13	<3	2.66	.01	.07	2	<1
L95N 71+50E	4	15	27	263	.3	18	5	404	2.83	5	<5	<2	6	11	.6	<2	2	109	.14	.175	10	16	.24	86	.12	<3	2.48	.01	.07	4	<1
L95N 72+00E	4	17	22	362	.6	21	6	435	2.77	6	<5	<2	7	9	1.0	<2	<2	94	.11	.181	13	17	.27	91	.13	<3	2.89	.01	.07	2	<1
L95N 72+50E	4	16	23	378	.4	21	6	502	2.54	6	<5	<2	7	8	1.2	3	2	90	.10	.173	11	16	.26	89	.13	<3	2.80	.01	.07	<2	<1
L95N 73+00E	4	19	22	363	.5	18	7	681	2.63	4	<5	<2	6	9	1.8	<2	<2	78	.10	.138	15	14	.25	92	.12	<3	2.44	.01	.08	<2	1
L95N 73+50E	3	15	17	281	<.3	21	7	1100	2.40	12	<5	<2	4	23	3.9	<2	<2	84	.24	.098	16	17	.28	149	.10	<3	1.98	.01	.09	<2	<1
L95N 74+00E	4	19	27	258	.5	22	7	1345	2.13	10	11	<2	<2	42	3.3	<2	<2	110	.51	.061	14	17	.25	164	.08	<3	1.92	.01	.09	<2	1
L95N 74+50E	3	18	20	409	<.3	25	9	1274	2.68	6	<5	<2	2	31	1.9	2	<2	101	.43	.239	13	19	.37	197	.10	<3	2.26	.01	.11	<2	<1
L95N 75+00E	4	20	26	328	.8	31	7	647	2.48	11	15	<2	3	39	2.1	2	2	128	.47	.073	16	22	.34	122	.09	<3	2.97	.01	.09	<2	<1
L95N 75+50E	2	26	34	476	.5	29	9	1659	2.31	2	5	<2	<2	54	4.0	<2	<2	97	.65	.179	15	17	.32	268	.06	<3	2.22	.01	.08	<2	<1
L95N 76+00E	6	29	18	307	.6	30	9	1295	2.32	10	27	<2	<2	27	2.8	2	<2	116	.28	.109	21	25	.33	114	.06	<3	2.20	.01	.08	<2	1
RE L95N 76+00E	7	32	21	334	.7	33	10	1453	2.42	7	28	<2	<2	29	3.5	2	<2	125	.31	.116	23	27	.36	124	.06	<3	2.43	.01	.09	<2	<1
L95N 76+50E	11	39	23	268	.6	35	8	1016	2.58	5	18	<2	<2	13	1.7	2	<2	148	.13	.106	21	30	.27	71	.08	<3	2.39	.01	.08	<2	<1
L95N 77+00E	3	20	18	399	.3	26	7	1370	2.19	4	6	<2	3	22	3.3	<2	<2	111	.21	.167	11	18	.26	226	.11	<3	2.19	.01	.07	<2	<1
L95N 77+50E	2	15	13	373	<.3	39	10	704	2.71	2	<5	<2	3	18	1.4	<2	2	102	.25	.113	11	25	.49	114	.14	<3	2.97	.02	.08	<2	1
L95N 78+00E	3	24	18	283	<.3	41	11	1108	2.46	3	<5	<2	<2	22	2.9	<2	<2	99	.26	.162	12	30	.48	155	.09	<3	2.22	.01	.09	<2	<1
L95N 78+50E	2	19	12	268	<.3	35	9	1075	2.49	3	<5	<2	3	25	2.4	<2	<2	97	.30	.200	10	25	.46	220	.12	<3	2.43	.02	.07	<2	1
L95N 79+00E	1	22	14	143	<.3	29	10	644	2.76	4	<5	<2	4	22	.9	<2	2	54	.28	.148	11	26	.49	138	.17	<3	4.61	.03	.06	<2	<1
L95N 79+50E	<1	25	27	164	<.3	62	20	925	4.05	9	<5	<2	5	42	1.2	<2	<2	72	.55	.117	12	60	1.74	133	.23	<3	5.13	.04	.28	<2	1
L95N 80+00E	3	23	12	339	.3	89	15	628	3.40	5	<5	<2	4	28	1.8	<2	<2	119	.48	.112	15	41	1.13	120	.16	<3	4.20	.02	.18	<2	<1
L91N 78+00E	1	16	8	176	<.3	37	13	567	3.40	<2	<5	<2	4	31	.9	<2	<2	62	.47	.112	10	38	.70	132	.18	<3	4.88	.02	.13	<2	1
L91N 78+50E	1	26	17	265	<.3	69	17	359	3.83	7	<5	<2	5	34	.9	2	<2	84	.54	.114	11	46	1.07	125	.20	<3	5.51	.02	.17	<2	1
L91N 79+00E	1	24	20	342	.4	63	18	710	4.42	10	<5	<2	6	45	1.3	<2	<2	87	.71	.088	14	61	1.04	220	.22	<3	4.92	.02	.32	<2	2
L91N 79+50E	1	30	23	207	.8	56	15	1035	3.69	9	12	<2	<2	57	3.7	<2	<2	94	1.04	.103	21	57	.68	155	.15	<3	4.89	.02	.22	3	1
L91N 80+00E	2	22	22	295	<.3	54	18	910	4.19	14	<5	<2	3	33	1.2	2	<2	82	.42	.157	12	59	.91	206	.20	<3	4.80	.02	.23	2	1
STANDARD C2/AU-S	21	62	40	153	7.4	81	40	1218	4.06	47	16	7	37	54	21.1	15	21	76	.54	.110	40	69	1.02	206	.08	25	2.03	.06	.14	15	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	Au* ppb
L95N 76+60E	3	25	28	324	.7	60	7	764	2.20	4	255	<2	<2	64	10.2	<2	<2	69	1.54	.112	19	30	.42	94	.09	<3	2.59	.02	.08	<2	1
L95N 78+45E	5	18	19	247	.6	24	5	496	1.47	5	24	<2	<2	49	6.0	2	<2	123	.66	.073	17	20	.28	89	.05	<3	1.46	.01	.06	2	1
RE L95N 78+45E	6	18	24	246	.6	25	5	500	1.42	2	27	<2	<2	50	6.2	2	<2	122	.66	.074	16	19	.28	90	.05	<3	1.46	.01	.06	2	2

Sample type: SILT. 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	Au* ppb
L149N 85+00E	4	30	72	281	<.3	8	10	7548	2.71	61	8	<2	2	108	2.4	<2	4	35	.99	.203	13	11	.28	525	.07	4	2.54	.01	.14	<2	10
L149N 85+50E	2	22	30	116	.4	11	7	2486	2.39	<2	14	<2	8	34	.9	<2	5	39	.28	.111	17	13	.31	211	.11	3	3.40	.01	.11	<2	3
L149N 86+00E	2	25	27	187	.5	14	8	4846	2.86	6	10	<2	6	54	1.5	<2	<2	43	.45	.114	18	13	.33	305	.13	4	3.68	.02	.15	<2	8
L149N 86+50E	2	29	43	207	.8	13	10	4594	2.85	15	11	<2	8	78	1.5	<2	32	34	.58	.465	17	12	.31	356	.11	7	3.15	.02	.15	<2	2
L149N 87+00E	2	23	30	120	.7	14	7	2030	2.55	9	33	<2	8	27	.5	<2	9	36	.20	.155	18	15	.33	111	.10	<3	3.31	.02	.17	<2	11
L149N 87+50E	1	14	55	85	.7	11	5	2649	2.04	2	<5	<2	5	55	1.0	<2	5	34	.48	.079	13	12	.28	227	.11	3	2.96	.02	.12	<2	6
L149N 88+00E	1	17	19	80	.4	12	6	4228	1.96	<2	5	<2	4	86	.9	2	6	33	.56	.057	12	11	.28	371	.12	5	2.82	.02	.11	<2	1
L149N 88+50E	1	21	16	147	.3	19	9	4661	2.12	<2	<5	<2	4	89	.8	<2	<2	29	.52	.527	12	15	.24	802	.11	<3	3.19	.03	.11	<2	1
L149N 89+00E	1	16	12	99	.5	12	7	2635	2.56	<2	8	<2	5	107	.5	<2	<2	40	.64	.141	18	11	.40	438	.12	6	3.76	.03	.20	<2	2
L149N 89+50E	1	11	14	100	<.3	11	5	2626	1.89	<2	<5	<2	5	70	.4	<2	<2	30	.48	.098	12	11	.23	300	.11	<3	2.72	.02	.12	<2	1
L149N 90+00E	1	11	13	67	<.3	13	5	1518	1.79	<2	<5	<2	6	39	.5	<2	2	27	.29	.072	14	9	.22	309	.10	4	2.71	.02	.12	<2	1
L149N 90+50E	1	16	15	97	<.3	13	6	3110	2.14	<2	<5	<2	4	51	.9	<2	4	37	.37	.117	12	13	.30	446	.11	<3	2.64	.02	.13	<2	<1
L149N 91+00E	<1	15	17	89	<.3	10	6	3285	2.08	<2	<5	<2	4	84	.7	<2	<2	35	.56	.166	13	12	.26	293	.12	4	3.19	.02	.09	<2	3
L149N 91+50E	1	16	14	88	<.3	12	6	3086	2.11	<2	<5	<2	4	98	.8	<2	3	36	.62	.081	14	12	.33	318	.11	<3	3.08	.02	.12	<2	1
L149N 92+00E	<1	16	16	118	<.3	20	8	3938	2.54	<2	<5	<2	6	119	.9	<2	4	42	.66	.223	18	16	.42	739	.13	3	3.08	.02	.15	<2	<1
L149N 92+50E	1	12	16	84	<.3	12	6	1892	2.27	<2	<5	<2	7	41	.4	<2	<2	39	.26	.062	15	12	.29	250	.12	<3	3.24	.02	.10	<2	<1
RE L149N 92+50E	<1	13	14	84	<.3	10	5	1848	2.25	<2	6	<2	6	40	.6	<2	3	39	.26	.061	14	12	.29	256	.12	5	3.21	.01	.10	<2	<1
L149N 93+00E	<1	15	15	107	<.3	29	7	2007	2.33	<2	<5	<2	7	104	.5	<2	<2	40	.48	.182	14	16	.40	481	.14	4	2.60	.03	.12	<2	<1
L149N 93+50E	1	15	12	84	.5	16	6	570	2.15	<2	14	<2	10	15	.5	3	<2	39	.10	.066	12	13	.26	160	.14	<3	3.37	.02	.08	<2	<1
L149N 94+00E	1	14	11	103	.5	15	6	423	2.18	<2	7	<2	7	13	.6	<2	<2	43	.12	.120	10	13	.22	116	.15	3	4.00	.01	.07	<2	2
L145N 85+00E	3	27	30	382	.5	28	10	1783	2.75	4	<5	<2	8	25	1.8	<2	2	83	.23	.127	22	23	.52	126	.14	5	3.50	.02	.15	<2	4
L145N 85+50E	2	28	26	249	.3	22	8	2111	2.90	4	6	<2	10	26	1.8	<2	<2	57	.24	.130	22	18	.43	265	.16	5	4.19	.01	.14	<2	5
L145N 86+00E	3	33	34	275	<.3	32	12	2494	3.00	<2	13	<2	7	44	1.4	<2	<2	82	.45	.135	37	25	.56	363	.13	4	4.20	.02	.19	<2	1
L145N 86+50E	1	11	22	170	.4	9	6	2436	1.62	7	<5	<2	5	14	.9	<2	<2	28	.12	.082	14	10	.21	254	.08	<3	1.49	.01	.12	<2	4
L145N 87+00E	3	34	22	254	.4	23	8	1071	2.97	3	12	<2	10	34	1.0	<2	<2	56	.34	.186	25	20	.47	268	.16	6	4.04	.02	.16	<2	1
L145N 87+50E	2	27	57	421	<.3	16	10	3576	2.42	4	6	<2	5	52	4.9	<2	3	39	.29	.476	19	17	.38	707	.11	8	2.96	.02	.20	<2	4
L145N 88+00E	5	38	24	167	.4	30	12	1686	3.41	<2	14	<2	6	71	1.2	<2	4	55	.51	.199	28	21	.65	336	.15	3	3.95	.02	.25	4	5
L145N 88+50E	14	27	45	168	.5	18	10	3365	2.75	<2	34	<2	6	44	1.7	<2	3	44	.34	.081	28	19	.48	286	.13	3	3.02	.02	.19	<2	3
L145N 89+00E	3	18	44	236	.3	21	9	1521	2.51	2	7	<2	8	95	1.4	<2	2	53	.59	.313	17	22	.53	518	.12	6	2.62	.01	.19	<2	4
L145N 89+50E	2	21	53	238	.3	19	9	2370	2.29	<2	23	<2	6	97	2.9	<2	4	48	.73	.163	20	17	.46	451	.11	7	2.63	.02	.29	<2	11
L145N 90+00E	2	16	34	219	.3	20	8	2221	2.74	<2	<5	<2	7	56	1.4	3	<2	54	.47	.227	18	19	.51	348	.13	4	3.30	.01	.21	<2	6
L145N 90+50E	1	17	35	220	<.3	18	7	2147	2.56	<2	<5	<2	9	27	.9	<2	<2	49	.13	.158	21	19	.40	347	.14	4	3.31	.01	.16	<2	3
L145N 91+00E	1	20	23	176	.4	20	8	2394	2.72	<2	<5	<2	8	53	1.5	2	2	58	.34	.165	22	19	.49	381	.13	3	3.46	.01	.16	<2	1
STANDARD C2/AU-S	19	60	32	139	6.5	69	35	1119	3.70	33	16	8	36	52	20.0	15	21	69	.51	.095	39	61	.93	194	.08	28	2.04	.06	.15	11	45

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

ACME ANALYTICAL

Sultan Minerals PROJECT SALMO CONSOLIDATED FILE # 96-4943 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	Au* ppb
L169N 76+50E	11	111	28	478	1.1	52	7	195	5.07	18	8	<2	4	18	1.6	4	<2	252	.22	.325	13	39	.67	133	.13	<3	4.26	.01	.08	<2	15
L169N 77+00E	6	51	29	411	.7	51	11	729	3.95	16	<5	<2	2	31	1.5	<2	<2	176	.24	.186	16	31	.61	175	.12	<3	3.68	.01	.12	<2	8
L169N 77+50E	5	56	28	584	1.4	60	13	838	3.46	8	<5	<2	<2	16	2.0	<2	2	157	.12	.198	21	26	.62	151	.11	<3	3.56	.01	.14	<2	6
L169N 78+00E	9	127	51	2022	2.9	119	27	945	3.56	13	9	<2	<2	48	21.9	3	2	267	.48	.152	16	30	.74	230	.11	<3	3.15	.01	.12	<2	4
L169N 78+50E	5	39	32	1072	3.0	88	14	446	3.76	4	<5	<2	<2	21	4.4	<2	<2	295	.27	.161	13	35	.67	183	.14	<3	3.61	.01	.07	<2	1
L169N 79+00E	4	36	27	336	1.4	35	6	719	2.93	9	<5	<2	<2	19	1.2	<2	<2	143	.12	.158	10	26	.52	253	.14	<3	3.41	.01	.07	<2	<1
L169N 79+50E	11	54	31	561	1.7	59	13	789	3.32	10	<5	<2	<2	23	3.2	<2	<2	237	.12	.162	14	29	.67	282	.12	<3	3.51	.01	.10	<2	1
L169N 80+00E	9	51	44	922	1.2	61	16	1437	3.51	8	<5	<2	<2	24	5.1	<2	3	191	.12	.164	12	24	.95	210	.11	<3	2.91	.01	.09	<2	1
L169N 80+50E	12	81	31	1175	3.1	132	20	699	4.20	11	<5	<2	<2	18	4.9	2	<2	215	.14	.166	13	29	.70	180	.10	<3	3.60	.01	.08	<2	2
L169N 81+00E	6	44	25	790	1.7	70	10	201	3.37	7	<5	<2	3	15	1.9	<2	<2	173	.11	.201	11	24	.48	147	.16	<3	4.29	.01	.07	<2	5
L169N 81+50E	3	26	24	414	4.2	33	5	205	3.06	5	<5	<2	2	17	1.5	<2	<2	113	.16	.313	7	22	.39	135	.15	<3	4.09	.01	.06	<2	1
L169N 82+00E	8	65	31	1110	2.3	93	19	807	3.32	9	8	<2	<2	27	6.5	5	2	235	.23	.141	15	32	.78	213	.10	<3	2.81	.01	.11	<2	4
L169N 82+50E	6	62	44	850	1.8	68	15	770	3.16	6	<5	<2	<2	29	6.5	5	<2	183	.23	.211	15	28	.82	304	.06	<3	3.07	.01	.13	<2	1
L169N 83+00E	7	51	33	581	1.0	60	12	713	3.25	7	<5	<2	<2	21	2.9	3	<2	182	.13	.150	12	26	.60	152	.08	<3	3.02	.01	.09	<2	2
L169N 83+50E	8	58	35	709	1.4	66	15	842	3.15	5	<5	<2	<2	25	4.6	<2	<2	227	.17	.153	15	27	.68	180	.08	<3	2.63	.01	.10	<2	1
L169N 84+00E	8	53	26	859	1.3	73	17	956	3.45	7	5	<2	<2	24	6.4	3	<2	194	.19	.125	17	25	.62	134	.10	<3	2.79	.01	.10	<2	1
L169N 84+50E	10	69	37	616	.9	66	14	893	3.68	9	6	<2	2	22	2.6	2	<2	152	.16	.171	14	26	.52	124	.08	<3	2.83	.01	.11	<2	4
L169N 85+00E	6	41	32	387	.8	41	7	793	3.08	6	<5	<2	<2	19	2.0	<2	<2	146	.10	.137	11	23	.48	172	.10	<3	2.44	.01	.08	<2	2
L169N 85+50E	6	34	26	415	1.0	40	5	206	4.04	8	<5	<2	3	18	1.1	3	<2	219	.10	.223	9	30	.48	125	.16	<3	3.32	.01	.08	<2	1
L169N 86+00E	6	35	28	293	.9	33	5	242	3.90	10	<5	<2	3	19	.9	<2	<2	181	.08	.280	12	27	.51	100	.15	<3	3.78	.01	.09	<2	2
L169N 86+50E	3	18	18	142	1.2	14	2	103	4.01	5	9	<2	5	8	.5	<2	<2	134	.05	.273	6	23	.20	55	.19	<3	6.27	.01	.05	<2	<1
RE L169N 86+50E	3	18	18	137	1.2	14	2	101	3.87	7	11	<2	5	8	.6	<2	<2	130	.05	.267	6	22	.20	53	.18	<3	6.11	.01	.05	<2	2
L169N 87+00E	3	19	28	110	2.0	11	2	115	4.51	<2	<5	<2	4	8	.5	<2	<2	156	.08	.475	7	21	.16	72	.26	<3	4.92	.01	.05	<2	<1
L169N 87+50E	4	27	18	213	1.4	19	3	114	5.02	6	8	<2	6	10	.8	2	4	173	.06	.218	7	28	.23	80	.22	<3	6.44	.01	.06	<2	<1
L169N 88+00E	5	33	31	219	1.6	28	4	122	4.58	12	<5	<2	6	10	.7	<2	4	241	.08	.419	9	43	.61	90	.18	<3	4.20	.01	.08	<2	1
L169N 88+50E	4	38	27	241	1.0	39	7	159	3.94	3	<5	<2	3	12	.8	<2	<2	153	.10	.151	14	43	.81	134	.17	<3	5.39	.01	.10	<2	3
L169N 89+00E	3	22	25	182	1.3	20	4	205	3.43	6	<5	<2	2	11	1.4	<2	<2	158	.13	.222	9	34	.60	101	.19	<3	2.96	.01	.08	<2	3
L169N 89+50E	5	45	53	696	1.0	42	17	1984	3.04	6	7	<2	3	37	18.0	<2	<2	213	.62	.109	16	43	1.04	202	.13	<3	2.63	.01	.09	<2	2
L169N 90+00E	4	37	28	629	.9	36	12	872	2.86	5	<5	<2	2	24	7.9	<2	<2	192	.37	.094	15	41	.99	141	.14	<3	2.49	.01	.09	<2	10
L169N 90+50E	4	29	26	399	1.0	30	8	560	2.95	<2	<5	<2	3	13	2.0	<2	3	161	.14	.078	11	33	.74	131	.14	<3	2.45	.01	.07	<2	1
L169N 91+00E	4	55	42	469	1.5	47	10	1646	3.89	6	<5	<2	7	15	1.8	2	<2	231	.21	.231	13	47	1.08	226	.17	<3	3.74	.01	.10	<2	2
L169N 91+50E	4	41	32	383	.9	39	8	267	3.81	6	<5	<2	4	14	1.2	<2	<2	176	.13	.260	12	39	.80	140	.16	<3	3.70	.01	.09	<2	5
L169N 92+00E	3	26	31	197	.9	26	5	704	2.82	5	<5	<2	3	12	.9	3	2	148	.09	.078	13	27	.51	138	.15	<3	2.02	.01	.07	<2	2
L169N 92+50E	4	128	31	583	3.5	65	16	1274	3.20	6	14	<2	<2	54	29.4	4	5	198	.94	.137	40	41	.91	388	.10	<3	3.02	.01	.10	<2	8
L169N 93+00E	5	77	31	431	2.1	65	13	411	3.88	3	10	<2	<2	20	3.5	<2	<2	248	.27	.184	17	54	1.13	169	.11	<3	3.68	.01	.11	<2	3
STANDARD C2/AU-S	20	56	43	138	7.4	77	38	1161	3.95	44	15	8	36	54	22.3	15	21	73	.55	.110	39	66	1.00	220	.08	25	1.99	.06	.15	15	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	Au* ppb
L169N 92+60E	4	71	38	632	2.9	53	12	528	2.73	<2	13	<2	3	50	19.8	4	<2	174	1.16	.164	24	52	.97	250	.09	4	2.77	.01	.13	<2	7
154+75N 90+00E	1	12	15	79	.5	7	3	635	1.25	2	45	2	4	41	.9	2	<2	37	.52	.051	16	10	.22	57	.06	<3	1.00	.01	.08	<2	17
RE 154+75N 90+00E	1	14	16	84	.6	7	3	742	1.29	2	55	2	3	48	1.2	<2	<2	38	.61	.057	15	11	.24	64	.06	3	1.08	.01	.08	2	7

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

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L165N 75+00E	4	45	21	879	.9	55	21	933	3.40	<2	<5	<2	3	17	4.7	<2	<2	150	.28	.251	11	40	.92	187	.14	4	4.64	.01	.08	<2	2
L165N 75+50E	4	61	21	606	.7	61	13	711	3.13	2	19	<2	3	16	2.7	<2	<2	196	.26	.176	12	41	.84	267	.13	<3	3.99	.01	.12	<2	3
L165N 76+00E	5	47	19	995	1.9	49	11	282	3.18	4	6	<2	3	19	5.2	2	<2	157	.48	.235	12	37	.77	169	.13	4	4.54	.01	.09	<2	2
L165N 76+50E	5	59	19	765	1.0	65	13	510	3.10	<2	10	<2	4	16	4.7	<2	<2	198	.32	.269	14	40	.87	364	.10	<3	3.86	.01	.16	<2	4
L165N 77+00E	6	48	20	1221	1.6	71	11	505	2.42	<2	14	<2	2	32	12.6	<2	<2	224	.46	.136	12	31	.56	385	.10	4	3.75	.01	.10	<2	1
L165N 77+50E	10	60	26	1000	.6	74	14	996	3.12	<2	5	<2	<2	29	6.3	<2	<2	261	.26	.128	13	31	.66	295	.11	<3	3.51	.01	.08	<2	1
L165N 78+00E	7	57	20	699	.3	54	12	628	2.69	2	<5	<2	2	20	6.0	<2	<2	225	.25	.104	14	32	.62	427	.11	<3	3.36	.01	.08	2	4
L165N 78+50E	8	82	23	996	.9	68	12	466	2.52	<2	<5	<2	3	24	8.2	<2	<2	273	.24	.088	20	30	.60	292	.09	<3	2.56	.01	.07	<2	1
L165N 79+00E	7	67	18	1752	.7	99	12	583	2.46	<2	7	<2	2	31	16.0	<2	<2	323	.35	.136	16	40	.70	326	.10	<3	3.48	.01	.07	<2	1
L165N 79+50E	4	42	16	554	.3	32	11	1428	3.73	<2	<5	<2	3	38	4.8	<2	2	120	.62	.183	25	16	1.02	239	.17	<3	3.31	.02	.43	<2	2
L165N 80+00E	6	56	27	635	1.5	47	11	822	2.85	4	<5	<2	<2	34	6.8	4	<2	161	.43	.252	16	28	.74	336	.09	4	3.08	.01	.15	2	1
L165N 80+50E	7	43	33	545	.4	50	6	241	2.81	4	<5	<2	5	18	1.7	5	<2	202	.15	.157	13	27	.62	189	.15	3	3.76	.01	.06	3	2
L165N 81+00E	5	25	30	543	.7	41	8	352	2.66	<2	<5	<2	5	16	1.7	<2	<2	169	.16	.122	10	22	.41	198	.13	<3	3.00	.01	.05	<2	<1
L165N 81+50E	6	39	29	655	.9	60	8	544	2.61	<2	6	<2	3	20	2.0	<2	<2	187	.16	.115	10	23	.48	190	.12	<3	2.66	.01	.05	<2	1
L165N 82+00E	6	44	32	421	1.4	41	6	286	2.46	3	<5	<2	2	15	1.4	5	<2	199	.12	.112	10	24	.50	169	.12	<3	3.06	.01	.04	2	1
L165N 82+50E	5	46	18	534	1.0	46	7	359	2.26	<2	15	<2	5	14	3.0	<2	<2	217	.12	.142	9	23	.74	126	.11	<3	2.66	.01	.06	<2	1
L165N 83+00E	6	34	39	746	.3	46	8	515	2.82	5	<5	<2	<2	15	5.0	2	<2	160	.14	.185	10	23	.49	179	.11	3	2.40	.01	.05	<2	1
L165N 83+50E	7	48	20	633	1.2	60	6	206	2.57	<2	5	<2	3	19	2.7	<2	<2	180	.20	.163	12	22	.53	132	.09	<3	2.76	.01	.06	<2	1
L165N 84+00E	7	56	80	884	1.3	57	10	1397	2.46	4	<5	<2	<2	27	11.5	3	<2	199	.34	.133	12	25	.75	227	.10	4	2.80	.01	.08	<2	1
L165N 84+50E	7	51	62	485	.8	44	6	760	2.53	4	<5	<2	2	15	1.6	<2	<2	185	.11	.122	11	25	.59	174	.13	4	3.10	.01	.07	<2	1
L165N 85+00E	4	39	24	239	1.3	26	4	278	2.15	<2	<5	<2	4	10	.7	<2	<2	116	.09	.150	7	23	.90	96	.15	<3	3.72	.01	.05	<2	<1
L165N 85+50E	4	65	34	352	1.0	37	6	487	2.61	2	<5	<2	2	21	1.0	<2	<2	153	.12	.162	12	25	.63	194	.13	3	3.22	.01	.08	<2	1
RE L165N 85+50E	4	61	32	333	.8	37	6	454	2.54	10	7	<2	<2	20	1.0	8	<2	144	.11	.153	11	24	.58	182	.12	3	2.95	.01	.08	2	1
L165N 86+00E	6	53	35	585	1.6	41	13	1251	2.30	<2	<5	<2	<2	16	2.9	<2	2	141	.11	.162	11	19	.47	167	.10	3	3.08	.01	.07	<2	<1
L165N 86+50E	6	62	22	452	1.2	40	9	507	2.26	<2	10	<2	2	13	2.6	<2	<2	136	.08	.231	11	21	.55	101	.07	3	3.04	.01	.09	<2	1
L165N 87+00E	6	62	26	314	.6	35	9	759	2.83	<2	<5	<2	2	22	1.7	3	2	122	.16	.166	13	31	1.07	261	.11	3	3.86	.01	.12	<2	2
L165N 87+50E	6	64	27	359	.3	40	9	812	2.69	4	<5	<2	<2	15	1.5	10	<2	150	.11	.149	13	32	.85	179	.10	4	3.34	.01	.11	3	1
L165N 88+00E	3	48	27	294	.4	34	9	1020	2.42	<2	<5	<2	2	23	1.7	<2	<2	114	.23	.100	12	37	.92	196	.13	<3	3.42	.02	.06	<2	1
L165N 88+50E	6	71	24	472	1.0	59	14	1008	2.58	<2	<5	<2	2	25	2.2	7	<2	133	.18	.158	15	31	.87	140	.09	4	3.41	.01	.07	<2	1
L165N 89+00E	7	94	32	693	1.0	71	14	624	3.28	<2	12	<2	3	19	2.8	<2	<2	205	.16	.207	16	42	1.10	214	.13	<3	3.90	.01	.11	<2	1
L165N 89+50E	5	61	26	450	.8	38	6	250	3.30	3	5	<2	7	17	1.5	3	<2	193	.18	.313	12	42	.90	154	.18	<3	4.43	.01	.10	<2	<1
L165N 90+00E	5	44	27	396	<.3	33	8	540	2.94	8	<5	<2	4	22	1.1	10	3	168	.20	.154	14	34	.88	189	.20	<3	3.04	.02	.16	3	2
L165N 90+50E	4	34	28	241	.4	27	7	278	3.17	<2	<5	<2	7	19	.5	<2	2	133	.19	.159	13	25	.69	130	.18	<3	2.64	.01	.16	<2	3
L165N 91+00E	3	17	38	189	.5	22	4	389	2.50	4	<5	<2	3	12	.5	6	3	132	.11	.223	9	23	.38	121	.16	3	2.55	.01	.05	<2	1
L165N 91+50E	6	23	20	430	1.7	36	7	227	2.38	3	<5	<2	5	11	1.5	8	2	185	.08	.149	9	33	.48	152	.16	<3	3.65	.02	.06	<2	<1
STANDARD C2/AU-S	19	57	37	137	6.6	66	33	1117	3.62	35	22	8	35	53	18.6	14	17	70	.53	.104	37	61	.96	201	.08	28	1.93	.06	.14	11	47

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

ACME ANALYTICAL

Sultan Minerals PROJECT SALMO CONSOLIDATED FILE # 96-4962

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	Au* ppb
L165N 92+00E	36	69	28	668	2.1	75	8	259	4.99	4	<5	<2	9	15	1.4	2	<2	236	.11	.159	13	37	.67	81	.20	<3	5.94	.01	.08	<2	3
L165N 92+50E	13	43	27	496	.5	58	6	535	3.57	6	5	<2	6	14	1.1	4	<2	282	.14	.143	10	41	.73	122	.16	<3	3.30	.01	.09	<2	2
L165N 93+00E	15	52	45	628	.3	77	10	723	3.44	6	11	<2	4	14	1.8	6	<2	286	.13	.129	12	42	.80	113	.14	<3	3.23	.01	.11	<2	2
L161N 81+50E	4	35	56	285	.3	21	11	609	4.52	5	<5	<2	6	44	.8	4	2	135	.39	.113	23	21	.90	134	.24	<3	3.87	.02	.28	<2	10
L161N 82+00E	3	24	26	247	.5	21	7	349	3.30	11	<5	<2	5	21	.8	5	<2	115	.21	.275	10	22	.44	189	.21	<3	4.06	.02	.08	2	10
L161N 82+50E	2	21	22	191	1.0	16	7	824	2.75	3	<5	<2	5	15	.5	<2	2	98	.15	.225	9	19	.31	201	.17	<3	3.47	.02	.06	<2	5
L161N 83+00E	2	15	19	125	.8	10	4	234	2.71	3	<5	<2	5	10	.2	2	<2	79	.09	.164	8	15	.25	99	.18	<3	3.18	.02	.06	<2	6
L161N 83+50E	2	19	17	120	.5	11	5	316	3.34	2	<5	<2	5	12	.5	2	<2	79	.11	.152	10	17	.29	85	.19	<3	4.35	.02	.07	<2	4
L161N 84+00E	3	25	15	187	.5	15	6	332	3.97	<2	<5	<2	7	17	.2	<2	<2	82	.15	.174	14	18	.55	99	.20	<3	5.83	.02	.16	<2	4
L161N 84+50E	2	22	13	150	.5	11	6	422	3.19	<2	<5	<2	5	13	.4	<2	<2	60	.10	.203	11	14	.38	86	.20	<3	5.42	.02	.12	<2	11
L161N 85+00E	3	21	14	155	.4	12	5	445	4.25	<2	<5	<2	7	17	.3	<2	<2	84	.17	.153	14	16	.51	90	.23	<3	4.27	.02	.18	<2	9
L161N 85+50E	3	25	18	184	.6	15	8	406	4.18	3	<5	<2	8	15	.4	4	2	92	.13	.205	16	20	.61	97	.25	<3	5.59	.02	.16	<2	10
L161N 86+00E	3	21	12	149	.3	13	4	362	4.17	<2	<5	<2	8	11	.3	<2	4	105	.11	.164	11	23	.52	71	.23	<3	5.59	.02	.12	<2	6
L161N 86+50E	3	41	19	239	.3	23	7	333	4.06	3	5	<2	7	17	.5	3	3	132	.14	.150	18	31	.89	99	.22	<3	4.63	.02	.20	<2	6
L161N 87+00E	2	25	15	164	<.3	15	7	1167	3.64	2	<5	<2	6	13	.2	<2	<2	97	.13	.127	14	20	.57	95	.22	<3	3.93	.02	.15	<2	50
L161N 87+50E	2	31	15	159	<.3	17	9	950	3.58	<2	<5	<2	6	17	.3	2	3	89	.15	.133	19	18	.64	108	.23	<3	4.28	.02	.21	<2	180
L161N 88+00E	2	44	19	183	<.3	19	13	1383	4.06	2	8	<2	5	23	.4	5	4	99	.20	.163	21	21	.77	135	.21	<3	3.98	.02	.26	<2	48
L161N 88+50E	3	60	16	174	.6	21	13	1211	6.20	<2	<5	<2	6	35	.8	2	3	101	.15	.224	19	23	.69	135	.20	<3	4.07	.02	.20	<2	8
L161N 89+00E	4	41	46	218	.6	22	11	1043	4.69	5	<5	<2	4	36	1.3	<2	2	98	.24	.121	16	21	.58	188	.22	<3	3.97	.02	.12	<2	8
L161N 89+50E	5	50	67	963	1.0	86	22	1073	4.81	11	<5	<2	5	54	6.2	<2	4	151	.55	.156	19	32	.91	276	.19	<3	3.66	.02	.18	<2	10
L161N 90+00E	7	56	53	880	.4	55	18	912	4.39	3	<5	<2	5	30	3.8	<2	<2	220	.33	.146	16	30	.76	204	.21	<3	4.06	.02	.15	<2	8
L161N 90+50E	5	92	53	1208	2.3	60	15	848	4.04	<2	6	<2	5	20	3.4	4	<2	256	.24	.206	15	28	.58	229	.17	<3	3.25	.01	.12	<2	3
RE L161N 90+50E	6	92	50	1195	2.1	60	14	834	4.03	3	5	<2	4	20	3.4	3	<2	256	.24	.203	15	28	.57	227	.17	<3	3.24	.01	.10	<2	2
L161N 91+00E	2	45	44	753	1.8	29	13	1279	3.27	2	<5	<2	4	28	4.9	<2	<2	157	.27	.239	13	22	.46	282	.17	<3	3.19	.02	.11	<2	4
L161N 91+50E	2	55	59	985	.4	39	11	658	3.25	2	<5	<2	7	24	4.8	<2	<2	221	.74	.356	17	34	1.10	149	.15	<3	2.99	.02	.12	<2	7
L161N 92+00E	3	51	35	722	1.9	36	9	280	3.02	<2	<5	<2	9	18	3.7	<2	<2	185	.42	.253	16	29	.75	110	.15	<3	3.57	.02	.08	<2	3
L161N 92+50E	3	42	75	634	.7	31	11	1862	3.19	3	<5	<2	5	19	5.8	2	2	169	.27	.180	13	29	.55	225	.13	<3	2.07	.01	.08	<2	3
L161N 93+00E	3	39	25	907	1.3	70	13	627	3.30	<2	<5	<2	5	18	4.7	<2	<2	166	.23	.302	12	31	.73	183	.16	<3	3.91	.02	.09	<2	3
L157N 77+50E	6	84	27	942	.5	91	13	682	3.36	3	<5	<2	8	28	4.2	3	<2	184	.38	.214	13	28	.72	225	.16	3	3.62	.02	.13	<2	2
L157N 78+00E	9	85	28	1168	.8	88	22	1385	4.18	3	<5	<2	3	30	5.9	<2	<2	166	.55	.293	12	23	.41	245	.17	<3	3.80	.02	.10	<2	1
L157N 78+50E	3	51	18	1467	.7	79	12	616	3.45	<2	<5	<2	5	29	8.9	<2	<2	120	.43	.173	10	24	.50	179	.22	4	5.53	.03	.08	<2	1
L157N 79+00E	9	381	26	1278	2.7	91	26	1327	6.57	<2	9	<2	5	65	9.4	<2	<2	231	.82	.449	13	49	1.01	382	.13	<3	3.56	.02	.15	<2	5
L157N 79+50E	2	61	30	826	<.3	55	24	1566	3.80	<2	<5	<2	3	34	7.7	<2	<2	93	.41	.117	12	28	.89	461	.16	<3	3.19	.02	.14	<2	3
L157N 80+00E	4	115	29	1075	.7	67	17	1017	4.62	<2	<5	<2	5	52	8.5	<2	<2	179	.77	.158	15	37	1.00	318	.19	4	4.07	.02	.18	<2	3
L157N 80+50E	3	74	51	470	<.3	40	18	1626	4.77	<2	<5	<2	3	49	2.3	<2	<2	148	.58	.154	17	30	.95	307	.22	3	3.84	.02	.33	<2	3
STANDARD C2/AU-S	22	61	39	150	7.1	72	36	1155	3.85	36	22	8	38	52	19.4	16	19	75	.55	.107	40	66	1.01	194	.08	27	2.00	.07	.15	10	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	Au* ppb
L157N 81+00E	4	81	38	685	.6	51	18	1406	4.03	<2	6	<2	2	42	5.1	<2	<2	135	.52	.223	14	30	.92	328	.14	<3	3.59	.01	.21	<2	205
L157N 81+50E	3	53	66	710	.7	54	18	1174	4.77	<2	<5	<2	5	46	5.1	2	<2	143	.53	.280	17	29	.85	258	.21	<3	4.19	.02	.33	<2	10
L157N 82+00E	4	44	177	412	.6	18	18	1333	5.88	2	5	<2	6	27	1.3	<2	<2	95	.20	.119	23	20	.63	90	.21	<3	4.71	.02	.14	<2	12
L157N 82+50E	3	35	245	400	.4	17	18	1608	5.07	6	<5	<2	5	31	1.6	<2	<2	94	.22	.099	18	18	.61	148	.19	<3	3.27	.02	.16	<2	9
RE L157N 82+50E	3	36	249	405	.3	18	18	1624	5.11	5	<5	<2	5	31	1.7	<2	<2	95	.22	.100	19	18	.61	148	.19	<3	3.28	.02	.16	<2	10

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	Au* ppb
L165N 76+20E	9	98	34	1576	3.7	92	15	345	3.14	5	5	<2	4	39	24.4	3	<2	342	.71	.151	22	59	.91	543	.12	<3	3.27	.01	.17	<2	4
L165N 79+95E	5	55	23	831	.8	48	8	580	2.90	2	<5	<2	2	65	18.9	2	<2	194	1.06	.123	22	30	.77	281	.13	4	2.65	.02	.28	<2	5
L157N 77+25E	3	45	28	671	.6	36	9	533	3.08	<2	7	<2	5	41	9.3	<2	<2	149	.82	.142	21	22	.90	221	.18	<3	2.12	.02	.46	<2	3
RE L165N 79+95E	5	54	23	824	.9	47	8	571	2.88	<2	8	<2	3	64	18.9	<2	<2	192	1.05	.119	21	29	.76	272	.13	6	2.60	.02	.26	<2	6

Sample type: SILT. 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	Au* ppb
L159N 82+00E	2	20	42	237	<.3	12	9	1157	3.17	<2	<5	<2	4	19	1.0	<2	<2	66	.15	.191	10	12	.30	129	.17	8	3.62	.02	.06	<2	26
L159N 82+50E	2	21	40	248	.3	14	11	1127	3.53	4	<5	<2	4	23	.8	3	<2	75	.24	.259	10	15	.38	123	.17	3	4.41	.02	.07	<2	4
L159N 83+00E	2	26	35	159	<.3	13	7	498	3.45	<2	<5	<2	3	16	.2	<2	<2	74	.13	.163	11	13	.40	71	.17	3	4.22	.02	.07	<2	6
L159N 83+50E	2	26	33	154	<.3	14	8	1244	3.84	<2	<5	<2	4	16	.2	<2	<2	78	.15	.120	13	15	.41	104	.19	<3	3.89	.02	.06	<2	10
L159N 84+00E	3	20	41	143	<.3	11	6	655	3.81	<2	<5	<2	5	18	<.2	<2	<2	78	.16	.115	10	14	.33	77	.20	<3	4.41	.02	.06	<2	8
L159N 84+50E	2	18	36	213	.7	11	10	851	3.04	<2	<5	<2	4	14	.4	<2	<2	53	.10	.126	8	13	.30	82	.17	<3	4.48	.02	.06	<2	7
L159N 85+00E	2	25	69	159	<.3	10	4	312	4.07	2	<5	<2	5	14	<.2	<2	<2	70	.10	.115	12	13	.41	57	.20	<3	4.08	.02	.07	<2	13
L159N 85+50E	1	16	43	127	.4	8	3	262	4.02	<2	<5	<2	4	8	<.2	4	<2	75	.09	.109	9	14	.24	80	.17	<3	2.57	.01	.04	<2	16
L159N 86+00E	2	24	42	164	<.3	11	6	493	3.38	3	<5	<2	4	13	.2	<2	<2	63	.10	.154	12	14	.38	76	.17	<3	3.86	.02	.06	<2	20
L157N 83+00E	4	49	984	539	4.2	12	6	625	6.79	<2	<5	<2	6	20	.9	<2	<2	64	.19	.179	19	13	.61	52	.16	<3	5.20	.02	.09	<2	103
L157N 83+50E	3	39	430	349	.8	14	8	886	5.82	<2	<5	<2	5	37	.3	<2	<2	75	.28	.182	18	14	.57	87	.16	<3	4.11	.02	.12	3	47
L157N 84+00E	2	36	350	596	<.3	14	15	1830	4.46	2	<5	<2	5	81	2.9	<2	<2	78	.63	.173	23	14	.59	152	.15	<3	3.41	.01	.16	<2	23
L157N 84+50E	3	46	185	291	<.3	16	12	910	5.11	<2	<5	<2	6	24	.6	<2	<2	79	.17	.171	22	16	.59	140	.20	<3	4.70	.02	.12	3	39
L157N 85+00E	3	35	185	284	<.3	13	9	1029	3.68	<2	<5	<2	3	33	.9	<2	<2	74	.22	.154	19	14	.52	129	.13	<3	3.73	.01	.10	<2	11
L157N 85+50E	2	32	157	237	<.3	13	11	1452	3.37	<2	<5	<2	3	22	.7	3	<2	71	.17	.129	17	14	.48	120	.15	<3	3.48	.01	.10	<2	9
L157N 86+00E	2	62	78	289	<.3	26	21	1053	4.68	<2	<5	<2	5	26	.7	<2	<2	111	.33	.200	14	27	.91	192	.26	<3	4.21	.02	.31	<2	11
L157N 86+50E	2	34	49	435	<.3	27	16	2230	4.12	<2	<5	<2	3	14	2.7	3	<2	120	.26	.167	11	23	.63	169	.24	<3	3.63	.02	.20	<2	7
L157N 87+00E	2	46	36	446	.5	23	12	869	3.91	<2	<5	<2	7	28	2.5	<2	<2	170	.42	.176	19	25	.62	134	.19	<3	3.45	.02	.20	<2	2
L157N 87+50E	1	30	38	914	.5	21	11	1668	2.92	4	<5	<2	5	24	24.8	<2	<2	90	.31	.411	13	19	.41	338	.16	<3	2.79	.02	.17	<2	3
L157N 88+00E	1	22	27	467	<.3	14	9	1981	2.68	2	<5	<2	4	21	16.8	<2	2	73	.21	.276	10	15	.37	265	.16	<3	2.67	.02	.12	<2	1
L157N 88+50E	1	23	24	265	.3	17	9	554	2.62	<2	<5	<2	6	28	1.8	<2	<2	77	.28	.241	10	15	.40	129	.16	<3	3.52	.02	.13	<2	1
L157N 89+00E	1	14	19	227	<.3	13	7	1314	2.24	<2	<5	<2	3	23	1.9	<2	<2	52	.26	.215	9	11	.25	148	.15	<3	3.52	.02	.08	<2	1
RE L157N 89+00E	1	14	18	223	<.3	13	7	1314	2.22	<2	<5	<2	4	23	1.9	<2	<2	51	.26	.213	9	11	.25	146	.15	<3	3.45	.02	.08	<2	2
L157N 89+50E	1	17	22	240	<.3	11	6	1528	2.15	2	<5	<2	4	22	1.9	2	<2	53	.15	.235	9	11	.21	257	.14	<3	2.50	.02	.08	<2	<1
L157N 90+00E	1	17	21	122	<.3	13	7	1446	2.44	2	<5	<2	6	35	.3	5	<2	63	.28	.080	12	13	.31	165	.14	<3	2.83	.01	.09	<2	<1
L157N 90+50E	1	14	21	129	.3	14	7	944	2.33	<2	<5	<2	5	18	.4	<2	2	55	.15	.149	9	12	.27	188	.15	<3	3.59	.02	.08	<2	<1
L157N 91+00E	1	13	20	160	<.3	12	6	743	2.30	<2	<5	<2	4	32	1.3	2	<2	53	.22	.361	9	13	.27	184	.15	<3	2.86	.01	.08	<2	1
L157N 91+50E	1	13	20	190	.3	16	8	1093	2.59	<2	<5	<2	3	27	1.1	2	<2	61	.21	.333	9	15	.33	211	.14	<3	2.46	.01	.09	<2	1
L157N 92+00E	1	18	24	290	<.3	13	7	1944	2.33	2	<5	<2	2	21	2.8	<2	3	55	.27	.182	12	12	.30	173	.08	<3	2.10	.01	.11	<2	1
L157N 92+50E	2	18	30	211	.4	15	8	1745	2.53	2	<5	<2	3	27	1.2	3	<2	75	.24	.077	11	15	.33	167	.14	<3	2.32	.01	.06	<2	1
L157N 93+00E	1	14	27	214	.5	12	7	792	2.54	3	<5	<2	5	13	1.1	<2	<2	63	.12	.212	10	14	.24	155	.11	<3	2.44	.01	.06	<2	2
L155N 81+00E	1	42	96	473	<.3	16	22	2695	3.94	<2	6	<2	4	93	4.4	<2	12	82	.77	.225	22	16	.59	216	.14	<3	3.01	.01	.29	<2	9
L155N 81+50E	<1	29	55	469	<.3	15	12	1286	3.28	<2	5	<2	5	47	2.9	7	<2	92	.52	.146	14	18	.60	187	.19	<3	2.57	.01	.28	<2	2
L155N 82+00E	1	28	31	203	.3	16	9	1017	2.84	<2	<5	<2	3	43	1.0	<2	<2	89	.37	.103	12	15	.45	196	.15	<3	2.11	.01	.13	<2	1
L155N 82+50E	1	33	42	239	<.3	17	13	1853	3.23	2	<5	<2	2	64	1.8	6	2	82	.48	.148	17	17	.53	211	.14	<3	2.50	.01	.17	<2	10
STANDARD C2/AU-S	20	59	38	140	6.8	69	35	1132	3.73	37	24	8	36	50	19.6	15	19	71	.53	.107	39	61	.99	185	.08	25	1.93	.06	.14	10	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	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L155N 83+00E	2	36	32	216	<.3	18	12	1213	3.26	<2	<5	<2	2	31	1.0	5	2	92	.26	.190	18	17	.50	140	.13	<3	2.63	.01	.14	<2	5
L155N 83+50E	2	40	28	268	<.3	21	14	1737	3.50	<2	<5	<2	3	48	1.5	6	2	107	.57	.147	27	20	.61	127	.18	<3	3.44	.02	.19	<2	4
L153N 78+00E	<1	56	6	368	<.3	34	24	1449	5.37	<2	<5	<2	2	53	1.5	<2	<2	138	.90	.556	16	27	1.16	817	.29	<3	3.83	.03	.90	<2	1
L153N 78+50E	<1	40	14	191	.4	26	18	452	3.72	<2	<5	<2	5	40	.3	2	<2	108	.50	.175	12	23	.84	289	.24	<3	2.75	.02	.43	<2	3
L153N 79+00E	<1	16	25	401	.3	13	11	1283	2.67	<2	<5	<2	5	47	2.0	3	<2	56	.35	.265	9	13	.34	229	.19	<3	2.94	.03	.16	<2	2
L153N 79+50E	<1	23	23	212	<.3	12	9	423	3.22	<2	<5	<2	6	39	.3	3	<2	68	.39	.114	15	12	.50	119	.20	<3	3.66	.03	.22	<2	5
L153N 80+00E	1	18	16	238	.3	11	10	2089	2.95	<2	<5	<2	6	74	1.3	3	<2	57	.61	.228	18	11	.49	200	.19	<3	3.04	.03	.30	<2	2
L153N 80+50E	<1	26	17	215	<.3	14	12	1428	3.96	<2	<5	<2	8	78	.7	<2	<2	81	.59	.142	27	15	.66	170	.23	<3	4.22	.02	.31	<2	7
L153N 81+00E	2	37	39	583	<.3	14	14	1114	4.41	<2	<5	<2	10	69	2.9	<2	3	84	.63	.165	35	15	.68	160	.24	3	4.83	.03	.31	<2	9
L153N 81+50E	2	33	30	305	<.3	15	14	1457	3.66	<2	<5	<2	5	51	1.2	<2	<2	88	.41	.118	21	17	.63	170	.22	<3	3.81	.02	.26	<2	2
L153N 82+00E	3	38	23	293	<.3	19	15	1669	3.57	<2	<5	<2	3	41	1.1	4	<2	94	.33	.155	18	17	.56	180	.15	<3	3.23	.01	.17	<2	4
RE L153N 82+00E	3	38	20	298	<.3	20	15	1660	3.65	<2	<5	<2	4	41	1.2	<2	2	96	.34	.156	19	17	.56	218	.15	<3	3.36	.01	.17	<2	3
L153N 82+50E	3	51	31	237	<.3	23	17	1366	3.77	3	<5	<2	3	25	.8	5	<2	109	.25	.185	16	22	.64	192	.16	<3	2.96	.01	.20	3	7
L153N 83+00E	2	92	31	418	<.3	39	36	2477	7.03	<2	<5	<2	4	31	2.1	2	2	214	.50	.301	14	46	1.60	502	.47	<3	3.93	.01	1.08	<2	1
L153N 83+50E	3	98	48	359	<.3	39	37	2224	7.32	<2	<5	<2	4	43	2.1	3	4	257	.79	.290	15	40	1.74	518	.50	<3	4.06	.02	1.15	<2	2
L153N 84+00E	2	93	20	793	.5	57	30	1533	6.63	<2	<5	<2	5	34	4.2	<2	<2	283	.78	.247	20	49	1.75	367	.41	<3	3.85	.01	1.07	<2	2
L153N 84+50E	4	84	20	1680	.7	85	24	1745	5.41	<2	5	<2	3	51	9.4	4	3	259	.84	.216	19	29	.86	242	.22	3	4.01	.02	.32	2	2
L153N 85+00E	2	56	32	787	.4	46	16	1669	3.88	3	7	<2	4	31	6.0	<2	<2	190	.48	.233	19	26	.86	214	.20	<3	3.01	.01	.37	<2	3
L153N 85+50E	3	37	20	345	<.3	27	12	1892	3.01	4	<5	<2	3	35	3.0	5	2	133	.46	.114	16	22	.67	371	.18	<3	2.26	.01	.18	<2	1
L153N 86+00E	2	35	29	224	<.3	21	10	1556	2.75	3	<5	<2	2	38	1.4	4	<2	101	.38	.175	14	19	.56	242	.16	<3	2.56	.01	.18	<2	2
L153N 86+50E	2	30	21	181	<.3	18	10	2346	2.70	<2	<5	<2	2	24	.9	4	<2	93	.25	.118	13	18	.50	221	.14	<3	2.35	.01	.13	<2	2
L153N 87+00E	2	25	28	161	<.3	16	7	1986	2.23	5	<5	<2	2	31	.9	2	<2	73	.25	.081	12	14	.34	189	.12	<3	2.15	.01	.08	<2	1
L153N 87+50E	2	16	14	136	<.3	11	5	2922	2.04	<2	<5	<2	<2	43	.6	5	<2	46	.33	.120	11	11	.22	301	.13	<3	2.90	.02	.09	<2	1
L153N 88+00E	1	21	14	136	<.3	14	5	1923	1.97	<2	<5	<2	4	20	.8	3	2	52	.21	.103	12	12	.24	245	.12	<3	2.37	.01	.08	<2	1
L153N 88+50E	1	19	15	124	<.3	12	5	2300	2.03	3	<5	<2	<2	36	.8	2	<2	51	.30	.091	10	11	.25	214	.10	<3	2.07	.01	.08	<2	2
L153N 89+00E	2	22	20	146	<.3	16	6	3087	2.30	4	5	<2	2	52	1.0	8	<2	60	.43	.088	12	13	.28	430	.13	<3	2.71	.01	.08	<2	<1
L153N 89+50E	2	18	19	120	<.3	16	6	1901	2.21	2	<5	<2	3	21	.3	3	3	52	.15	.100	11	14	.29	192	.13	<3	2.93	.01	.06	<2	1
L153N 90+00E	1	14	18	113	<.3	17	5	812	2.00	<2	<5	<2	4	28	.2	5	<2	46	.30	.062	13	13	.27	167	.12	<3	2.58	.01	.07	<2	1
L153N 90+50E	1	16	17	210	<.3	18	6	1251	2.12	<2	<5	<2	4	18	1.0	4	<2	54	.19	.136	14	14	.27	232	.13	<3	2.64	.02	.07	<2	1
L153N 91+00E	1	14	18	195	.3	17	7	1029	2.24	<2	<5	<2	3	30	.8	6	<2	55	.28	.117	11	14	.26	274	.14	<3	2.89	.02	.07	<2	1
L153N 91+50E	1	17	21	214	.3	20	7	872	2.23	<2	<5	<2	5	11	.5	3	<2	56	.10	.136	10	15	.27	160	.15	<3	3.67	.02	.06	<2	4
L153N 92+00E	1	12	17	170	.4	16	7	705	2.35	<2	<5	<2	6	10	.3	<2	<2	60	.08	.178	9	14	.23	124	.13	<3	3.60	.01	.05	<2	1
L153N 92+50E	1	12	24	156	.3	18	5	1165	2.09	<2	<5	<2	4	16	.6	2	2	57	.12	.121	11	13	.20	132	.13	3	1.94	.01	.05	<2	1
L153N 93+00E	1	15	24	269	.5	15	8	793	2.72	<2	<5	<2	5	14	.7	<2	<2	63	.14	.334	10	17	.26	139	.16	<3	4.50	.02	.06	<2	1
L153N 93+50E	1	23	23	274	<.3	18	12	734	3.03	<2	8	<2	7	23	1.0	2	<2	93	.31	.166	13	25	.56	125	.18	<3	3.03	.01	.17	<2	2
STANDARD C2/AU-S	20	59	39	140	6.6	71	35	1110	3.74	39	24	7	35	51	19.6	13	18	72	.53	.105	38	64	.98	186	.08	26	1.96	.06	.14	10	47

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

Sultan Minerals PROJECT ASPEN FILE # 96-5068

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	Au* ppb
L184N 70+00E	2	15	13	415	.9	37	9	479	2.91	2	<5	<2	5	10	1.3	<2	<2	78	.12	.161	11	17	.43	194	.14	5	3.99	.01	.06	<2	44
L184N 70+50E	8	22	20	336	.7	13	6	209	1.70	2	<5	<2	<2	22	4.1	<2	<2	114	.21	.037	15	14	.41	227	.18	3	1.68	.01	.06	<2	1
L184N 71+00E	3	22	11	110	2.3	10	2	171	2.71	<2	7	<2	4	6	.6	<2	4	79	.05	.177	10	14	.24	71	.17	3	4.84	.01	.05	<2	2
L184N 71+50E	3	39	23	360	2.5	29	4	258	3.36	7	<5	<2	3	12	1.4	2	<2	147	.15	.163	16	21	.51	110	.12	<3	1.93	.01	.09	<2	2
L184N 72+00E	5	106	19	636	5.8	59	21	745	2.95	3	6	<2	2	16	6.2	3	4	181	.28	.171	21	29	.73	345	.09	<3	2.38	.01	.10	<2	5
L184N 72+50E	15	149	34	527	2.5	64	23	1024	4.38	5	12	<2	3	20	4.0	<2	2	215	.27	.391	13	34	.87	273	.09	3	3.28	.01	.12	<2	8
L184N 73+00E	6	84	36	553	2.5	57	14	805	3.48	7	7	<2	<2	21	4.4	<2	4	155	.33	.229	14	26	.62	362	.09	<3	2.88	.01	.11	<2	4
L184N 73+50E	12	47	33	409	1.1	42	11	911	3.18	8	5	<2	2	14	3.5	3	<2	132	.12	.180	17	20	.40	128	.08	3	2.42	.01	.09	<2	3
L184N 74+00E	8	43	27	676	<.3	66	17	915	3.08	6	<5	<2	2	15	3.0	<2	5	113	.18	.148	16	20	.52	181	.10	4	2.99	<.01	.10	<2	2
L184N 74+50E	10	71	66	936	.5	86	23	1347	4.49	9	<5	<2	3	26	5.6	<2	<2	175	.32	.231	13	23	.65	333	.12	9	2.40	.01	.11	<2	2
L184N 75+00E	4	49	20	1097	.8	66	25	1143	3.52	17	7	<2	3	20	9.0	<2	6	134	.30	.145	17	29	.76	340	.13	6	2.66	.01	.11	<2	3
L184N 75+50E	4	59	17	601	.3	44	14	644	3.58	12	<5	<2	3	13	3.4	<2	<2	115	.20	.219	17	28	.68	235	.14	5	3.23	.01	.09	<2	1
L184N 76+00E	3	56	19	458	1.0	53	14	783	3.12	3	<5	<2	4	36	2.5	<2	<2	119	.70	.313	20	24	.52	240	.10	<3	2.34	.01	.08	<2	3
L184N 76+50E	5	99	20	653	3.2	64	11	373	4.26	17	<5	<2	5	16	2.3	<2	<2	140	.32	.281	14	28	.61	357	.13	4	3.47	.01	.10	<2	5
L184N 77+00E	4	250	16	646	2.9	103	26	475	4.52	9	7	<2	6	21	2.9	<2	5	197	.42	.376	18	36	.89	442	.09	3	3.52	<.01	.08	<2	4
RE L184N 77+00E	5	258	20	653	3.1	104	26	475	4.62	12	8	<2	8	21	3.2	<2	4	202	.43	.382	19	35	.90	454	.10	5	3.58	.01	.09	<2	4
L184N 77+50E	2	26	16	147	2.2	16	6	304	2.89	2	<5	<2	4	9	.5	3	2	64	.10	.168	9	19	.29	122	.14	5	3.81	.01	.08	<2	2
L184N 78+00E	2	20	13	119	.3	13	4	209	3.33	6	<5	<2	8	8	.2	<2	<2	70	.06	.172	11	20	.34	83	.13	3	3.18	.01	.07	<2	1
L184N 78+50E	7	64	12	183	2.2	23	5	280	3.66	<2	<5	<2	5	11	.6	<2	5	224	.13	.297	12	40	.71	198	.14	<3	3.39	.01	.09	<2	3
L184N 79+00E	4	39	15	156	1.1	18	5	280	3.62	5	<5	<2	7	10	.7	<2	<2	128	.09	.133	12	27	.52	163	.14	4	2.66	.01	.09	<2	1
L184N 79+50E	6	54	14	170	1.3	23	6	291	3.24	5	7	<2	5	11	.9	<2	2	151	.09	.192	17	32	.66	125	.14	4	3.50	<.01	.09	<2	12
L184N 80+00E	3	29	16	114	.8	17	4	205	3.34	10	<5	<2	9	9	.7	<2	2	99	.07	.112	14	24	.43	103	.14	3	3.68	<.01	.07	<2	2
L184N 80+50E	7	38	21	285	.4	33	7	440	4.30	12	<5	<2	5	16	1.1	<2	<2	169	.12	.142	16	40	.67	215	.15	3	3.14	.01	.11	<2	9
L184N 81+00E	5	59	26	227	.5	45	13	891	4.37	5	<5	<2	4	17	1.2	<2	2	119	.14	.151	16	43	.77	188	.13	3	3.36	<.01	.19	<2	2
L184N 81+50E	6	60	16	298	.5	35	9	726	4.33	4	<5	<2	4	18	1.1	<2	<2	132	.27	.160	9	33	.94	311	.15	4	2.80	.01	.09	<2	1
L184N 82+00E	4	37	19	154	.4	24	7	391	4.68	<2	6	<2	11	12	.8	<2	<2	129	.10	.149	19	29	.58	127	.18	5	2.71	.01	.13	<2	<1
STANDARD C2/AU-S	19	55	35	142	6.3	72	35	1088	3.72	40	21	7	39	47	19.1	18	17	69	.52	.104	35	60	.94	184	.07	29	1.89	.05	.14	12	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	Au* ppb
L184N 70+20E	7	36	34	542	1.0	49	12	944	2.05	7	6	<2	5	31	10.6	<2	<2	84	.45	.083	39	12	.53	189	.09	<3	1.86	.01	.11	<2	1

Sample type: SILT.

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

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	Au* ppb
L188N 70+00E	10	85	26	639	1.8	50	20	937	3.65	<2	<5	<2	5	18	4.2	<2	<2	130	.22	.110	30	23	.61	152	.13	3	2.87	.01	.10	<2	3
L188N 70+50E	10	176	25	451	3.9	59	41	1732	5.06	4	<5	<2	3	24	5.9	<2	7	158	.28	.250	17	33	.62	205	.09	<3	3.02	.01	.08	<2	6
L188N 71+00E	7	168	22	447	8.4	52	44	1104	3.21	3	<5	<2	2	17	6.5	<2	<2	138	.18	.163	25	23	.46	169	.09	4	2.59	.01	.10	<2	2
L188N 71+50E	5	44	19	216	1.4	34	9	1049	2.95	<2	<5	<2	3	12	.6	<2	4	80	.14	.203	12	17	.39	94	.10	<3	3.45	.01	.07	<2	17
L188N 72+00E	6	31	21	179	1.0	24	4	303	2.99	3	<5	<2	3	9	.6	<2	<2	94	.08	.212	9	17	.32	56	.15	5	3.67	.01	.07	<2	2
L188N 72+50E	5	24	17	245	1.1	25	5	201	3.16	<2	<5	<2	7	9	.4	<2	7	129	.09	.097	13	20	.48	79	.17	4	2.83	.01	.08	<2	1
L188N 73+00E	4	28	23	236	.9	31	14	2286	3.31	8	<5	<2	5	21	1.4	<2	8	77	.28	.102	22	23	.54	167	.17	5	2.90	.01	.10	<2	2
L188N 73+50E	4	25	19	209	.6	31	14	1303	3.21	8	<5	<2	4	24	1.6	<2	4	82	.31	.072	30	24	.54	139	.18	5	3.21	.02	.10	<2	7
L188N 74+00E	4	22	16	304	.9	29	6	364	3.34	2	<5	<2	4	11	.6	<2	5	143	.08	.116	12	25	.43	110	.16	4	2.57	.01	.07	<2	1
L188N 74+50E	4	21	28	182	.9	22	12	954	3.55	36	<5	<2	4	12	.6	<2	<2	97	.09	.086	15	24	.46	125	.15	3	2.21	.01	.09	<2	1
L188N 75+00E	3	45	24	96	.9	15	9	657	4.00	6	<5	<2	4	11	<.2	<2	8	75	.07	.116	14	24	.44	130	.13	<3	2.71	.01	.10	<2	3
L188N 75+50E	2	32	22	80	.4	13	6	364	3.50	4	<5	<2	4	10	.8	<2	<2	100	.09	.058	12	19	.26	144	.23	<3	1.52	.01	.09	<2	1
L188N 76+00E	2	28	19	124	.4	26	17	1475	3.21	11	<5	<2	4	13	.9	<2	<2	94	.11	.109	19	27	.51	192	.13	3	2.09	.01	.12	<2	2
L188N 76+50E	3	35	25	296	.5	28	18	1187	3.82	13	8	<2	7	20	1.2	<2	6	117	.22	.070	21	51	1.10	152	.21	6	2.75	.02	.11	<2	1
L188N 77+00E	8	33	25	164	.7	22	11	1035	3.30	8	<5	<2	3	22	3.5	2	<2	112	.23	.119	18	23	.44	246	.13	4	1.73	.01	.12	<2	1
L188N 77+50E	7	70	16	271	1.0	40	13	862	3.11	11	7	<2	3	18	2.8	<2	<2	79	.20	.110	24	30	.52	222	.10	<3	3.07	.01	.09	<2	2
L188N 78+00E	9	41	15	243	.7	36	17	967	3.62	7	7	<2	2	33	1.3	<2	<2	101	.45	.114	23	33	.71	181	.09	5	2.76	.01	.11	<2	2
L188N 78+50E	7	38	17	160	1.1	30	12	636	3.77	2	<5	<2	3	15	.6	3	6	100	.14	.106	17	31	.63	140	.12	<3	2.75	.01	.11	<2	3
RE L188N 78+50E	7	38	17	170	.9	31	12	670	3.98	<2	<5	<2	3	16	.6	<2	2	106	.15	.109	18	33	.67	135	.12	<3	2.90	.01	.11	<2	2
L188N 79+00E	5	31	18	172	.7	24	13	922	4.06	9	<5	<2	5	23	1.1	2	<2	88	.25	.098	27	27	.72	185	.16	<3	2.98	.02	.15	<2	3
L188N 79+50E	10	48	42	227	.7	36	21	1143	4.00	30	13	<2	2	42	2.5	<2	4	113	.51	.111	32	42	.76	238	.10	<3	2.68	.01	.12	<2	2
L188N 80+00E	2	16	17	67	.8	7	2	530	2.91	5	<5	<2	2	9	.6	2	2	62	.14	.060	9	11	.13	111	.15	5	1.12	.01	.07	<2	<1
L188N 80+50E	1	12	13	35	.7	4	1	127	2.40	<2	<5	<2	4	7	.2	<2	2	54	.06	.056	7	11	.11	51	.16	3	2.14	.01	.04	<2	3
L188N 81+00E	2	13	21	59	.7	7	2	206	3.26	4	<5	<2	5	7	.4	2	3	81	.05	.083	9	17	.19	77	.20	4	2.28	.01	.06	<2	1
L188N 81+50E	3	16	18	92	.5	12	2	218	4.63	13	<5	<2	12	9	<.2	<2	<2	94	.05	.040	19	25	.40	88	.19	4	2.68	<.01	.08	<2	14
L188N 82+00E	3	18	18	35	.3	5	1	73	5.44	3	10	<2	8	8	.3	<2	4	111	.04	.058	10	20	.15	53	.27	<3	2.30	.01	.05	<2	1
L188N 82+50E	1	14	16	51	.7	8	3	118	2.77	<2	<5	<2	4	7	.2	<2	3	55	.06	.056	6	12	.15	44	.19	<3	3.00	.01	.04	<2	<1
L188N 83+00E	4	35	32	158	.6	23	8	1083	4.39	5	<5	<2	13	16	.7	2	<2	113	.08	.112	38	29	.65	195	.24	3	2.87	.01	.19	<2	3
L188N 83+50E	3	37	20	176	<.3	29	17	1962	3.92	3	<5	<2	3	13	.3	<2	8	74	.08	.149	14	22	.43	161	.13	4	3.82	<.01	.13	<2	2
L180N 70+00E	2	21	13	181	.8	18	7	348	2.99	<2	6	<2	13	11	.3	<2	5	89	.10	.128	26	16	.35	150	.15	<3	3.45	.01	.09	<2	1
L180N 70+50E	3	25	16	260	.7	27	8	396	3.74	2	9	<2	10	11	.5	<2	<2	121	.12	.180	25	21	.46	138	.14	<3	3.64	.01	.11	<2	1
L180N 71+00E	4	37	19	348	.7	52	9	555	3.02	5	<5	<2	11	14	.7	<2	2	151	.23	.129	29	18	.61	177	.07	3	2.03	<.01	.08	<2	1
L180N 71+50E	3	20	24	384	.6	26	12	1403	3.15	3	<5	<2	6	14	2.0	2	8	110	.15	.257	21	20	.50	257	.13	<3	2.99	.01	.10	<2	<1
L180N 72+00E	5	38	30	719	.9	60	18	908	3.66	3	<5	<2	6	16	3.4	<2	2	159	.22	.224	19	24	.64	288	.13	<3	3.15	.01	.09	<2	1
L180N 72+50E	4	30	24	544	.5	54	9	350	3.59	<2	<5	<2	6	10	1.4	<2	3	113	.09	.151	12	21	.49	186	.19	<3	4.91	.01	.07	<2	<1
STANDARD C2/AU-S	20	59	43	143	7.7	72	38	1181	3.88	34	22	8	35	51	19.7	13	22	73	.51	.103	37	63	.97	189	.08	27	2.05	.05	.14	11	46

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	Au* ppb
L180N 73+00E	3	28	18	344	.7	30	9	749	2.77	6	<5	<2	2	17	1.6	2	<2	118	.29	.243	23	18	.45	201	.09	<3	2.00	.01	.07	<2	2
L180N 73+50E	5	32	18	337	1.0	35	10	779	3.18	19	<5	<2	<2	24	2.7	2	3	121	.26	.117	21	23	.42	240	.11	<3	2.44	.01	.14	<2	1
L180N 74+00E	2	22	14	422	.8	26	11	910	3.39	7	<5	<2	4	13	1.8	<2	<2	99	.17	.282	18	23	.44	271	.14	<3	2.64	.01	.08	<2	1
L180N 74+50E	3	24	6	443	1.0	34	10	293	3.39	7	<5	<2	7	11	1.5	<2	<2	105	.15	.264	16	22	.41	191	.15	<3	3.45	.01	.08	<2	1
L180N 75+00E	13	143	26	1253	2.4	223	51	985	4.87	9	<5	<2	<2	31	7.3	<2	<2	208	.36	.213	32	32	.65	174	.09	<3	3.66	.01	.11	<2	4
L180N 75+50E	9	56	38	436	.8	50	12	904	3.48	6	<5	<2	<2	15	1.8	<2	<2	194	.18	.211	15	22	.55	124	.08	3	2.50	.01	.10	<2	84
RE L180N 75+50E	10	55	41	422	.8	47	12	867	3.41	4	<5	<2	<2	15	1.8	<2	4	187	.18	.206	14	22	.54	118	.07	<3	2.44	.01	.10	<2	4
L180N 76+00E	4	52	21	703	.9	58	12	880	3.17	6	<5	<2	2	12	2.2	<2	<2	197	.14	.125	23	24	3.17	153	.08	19	2.48	.01	.09	<2	12
L180N 76+50E	4	50	65	560	.7	40	22	967	2.87	10	<5	<2	<2	17	5.5	<2	<2	95	.16	.136	26	21	.48	175	.07	<3	2.61	.01	.10	<2	3
L180N 77+00E	5	134	22	571	2.6	59	29	794	2.91	7	5	<2	<2	39	15.3	<2	<2	204	.36	.156	31	27	.52	537	.05	<3	2.13	.01	.07	<2	7
L180N 77+50E	6	88	19	603	1.5	58	16	702	3.06	4	<5	<2	2	18	4.0	<2	<2	217	.25	.235	27	27	.65	321	.07	<3	2.49	.01	.10	<2	13
L180N 78+00E	6	91	35	1198	.6	165	42	1174	4.28	7	6	<2	<2	50	11.2	<2	2	196	.50	.262	37	27	1.50	421	.07	4	2.97	.01	.11	<2	4
L180N 78+50E	6	57	30	901	.3	88	22	850	3.76	4	<5	<2	<2	36	5.4	<2	<2	215	.32	.179	22	28	.71	297	.10	<3	2.58	.01	.13	<2	2
L180N 79+00E	4	39	12	331	.5	32	8	381	3.04	2	<5	<2	6	16	1.5	<2	<2	128	.16	.224	25	21	.48	204	.12	<3	2.26	.01	.10	<2	1
L180N 79+50E	4	57	14	705	.4	59	20	833	3.44	4	<5	<2	2	26	4.2	<2	<2	150	.33	.208	27	27	.59	259	.12	<3	2.38	.01	.11	<2	1
L180N 80+00E	3	59	18	416	.4	38	12	581	3.24	<2	<5	<2	4	17	2.1	<2	<2	137	.21	.289	22	27	.52	217	.12	<3	2.53	.01	.11	<2	2
L180N 80+50E	3	70	15	434	1.2	48	16	711	3.58	<2	<5	<2	3	27	3.1	<2	<2	151	.38	.316	27	29	.65	335	.13	<3	2.89	.01	.14	<2	4
L180N 81+00E	6	86	28	1669	1.1	128	22	899	3.72	3	<5	<2	<2	38	18.1	<2	<2	257	.58	.228	21	41	.81	431	.08	<3	3.17	.01	.09	<2	2
L180N 81+50E	4	70	45	1140	.9	76	9	295	3.43	3	<5	<2	<2	39	10.8	<2	<2	241	.54	.174	25	28	.67	446	.11	<3	2.23	.01	.08	<2	13
L180N 82+00E	5	172	45	2525	2.3	208	21	628	3.49	5	6	<2	<2	53	55.0	2	<2	324	.87	.147	34	58	.92	429	.09	<3	2.89	.01	.09	<2	2
L180N 82+50E	9	99	25	1316	1.4	130	19	612	4.32	6	<5	<2	<2	40	15.7	<2	<2	405	.58	.237	20	57	.91	256	.10	<3	3.62	.01	.10	<2	11
L180N 83+00E	7	54	33	415	1.5	50	10	801	3.42	7	<5	<2	<2	25	2.1	<2	2	268	.33	.280	11	42	.68	205	.09	<3	2.95	.01	.11	<2	2
L180N 83+50E	9	94	25	941	1.4	96	24	1052	4.31	8	<5	<2	<2	26	4.8	<2	<2	257	.29	.251	15	46	.85	237	.10	<3	3.50	.01	.12	<2	2
L180N 84+00E	8	79	40	1408	1.1	104	24	825	4.33	9	<5	<2	<2	27	6.0	<2	<2	259	.33	.242	14	45	.93	212	.09	<3	3.65	.01	.12	<2	3
L180N 84+50E	10	84	54	1265	1.1	105	21	891	3.69	8	<5	<2	<2	20	4.3	3	<2	249	.21	.201	14	35	.74	136	.10	<3	3.00	.01	.12	<2	2
L180N 85+00E	6	74	33	1016	1.6	86	15	791	3.19	9	<5	<2	<2	19	8.4	2	<2	226	.25	.147	12	42	.83	177	.10	<3	2.87	.01	.13	<2	3
L180N 85+50E	7	74	35	553	2.3	53	8	574	3.45	7	<5	<2	<2	17	1.8	<2	<2	220	.23	.230	13	38	.66	155	.10	<3	2.89	.01	.10	<2	4
STANDARD C2/AU-S	21	64	43	151	7.7	79	40	1160	4.06	43	15	8	36	55	22.7	16	22	78	.57	.110	40	66	1.00	205	.09	25	2.06	.06	.16	14	43

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L188N 77+90E	8	35	23	233	.5	34	13	873	2.90	14	<5	<2	<2	38	2.4	<2	<2	80	.54	.128	21	28	.55	166	.08	<3	2.30	.01	.11	<2	6
L180N 71+85E	6	46	57	1084	1.0	89	16	1560	2.44	13	12	<2	<2	66	21.3	2	<2	108	.94	.158	44	18	.47	325	.06	<3	2.07	.01	.10	<2	2
L180N 72+95E	3	133	37	1176	2.2	94	10	763	2.43	8	17	<2	<2	50	26.8	<2	<2	153	.72	.121	50	28	.56	390	.08	<3	2.01	.01	.13	<2	3
L180N 73+25E	3	33	29	471	1.1	48	8	624	1.79	10	15	<2	<2	88	15.1	<2	<2	82	1.00	.103	29	17	.36	324	.06	<3	1.31	.01	.07	<2	11
L180N 73+72E	2	30	24	385	.7	31	9	588	2.15	9	<5	<2	2	49	8.9	<2	<2	80	.62	.102	32	20	.42	501	.07	<3	1.41	.01	.09	<2	3
L180N 80+96E	3	188	115	1278	1.4	116	15	953	3.21	4	15	<2	<2	51	22.1	<2	<2	181	1.55	.265	33	43	.75	505	.07	<3	2.19	.01	.14	<2	7
RE L180N 80+96E	2	177	111	1213	1.2	111	14	901	3.01	5	15	<2	<2	49	21.4	3	<2	171	1.46	.251	32	41	.71	480	.07	<3	2.07	.01	.14	<2	6

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

11.0 APPENDIX C

DIAMOND DRILL LOGS

DRILL HOLES UG96-1 to 3, Z96-1 to 8, G96-1 to 5

HOLE NO. 96-1 Page 1 of 3

Diamond Drill Record

PROPERTY: JERSEY	
CLAIM NO. LEROY 3	
LOCATION: 107+28N, 36+42E	SECTION NO. 12950N, 7000E
AZIMUTH: 280°	DIPS - collar -45°
CONTRACTOR: WESTGATE	
ELEVATION: 1280m (4200')	- m °
LOGGED BY: LINDA DANDY	
LENGTH: 63.40 m	STARTED: AUG 10/96
DATE: AUG 12/96	
CORE SIZE: NQ	COMPLETED: AUG 11/96

PURPOSE: TEST LEROY QTZ-SULFIDE BAND (ARGILLITE-LIMESTONE CONTACT)

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	3.96	CASING - some pieces broken argillite			
3.96	63.40	ARGILLITE, phyllitic, skarny, some qtzite, biotitic. Bands @ 45° tca. Rock grades from grey to green to brown, from schisty to silicified			
		4.36-5.24 - qtz stringers @ 5.20 - 2 cm qtz vein @ 45° tca, rusty	4.36	5.24	minor pø/py + tr. cpy in veins, fractures + bands
			7.55	8.30	1% pø in siliceous areas
		@ 7.63 - 1.5 cm qtz @ 40° tca with tr py			
		8.73-9.04 - ~30% qtz blebs in core, rusty, tr sus.			
		@ 10.32 - 4 cm qtz with minor py @ 50° tca	10.36	12.68	pø + tr cpy on fractures + bands <1%, but up to 2% locally in silicified areas.
		12.68-13.91 - more competent + less banded, silicified (looks like an intensely silicified	12.68	13.91	2-5% pø/py blebs, bands + on fractures

Diamond Drill Record

HOLE NO. G96-1 | Page 2 of 3

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		granitic dyke) contacts at 45° tca			
		-serp or chlorite on fractures			
		@13.21-1.5cm cb vein w pø			
		14.31-14.51- 20 cm white qtz	@	14.54	pø blebs in siliceous bands
		vein with minor light green	@	15.10	pø blebs " " "
		sericite & minor py on fractures	16.10	19.46	pø/py + tr cpy on f.g. bands to 1%
		19.46-19.76- qtz-cb area with			overall + 5% locally
		veins & blebs to 50%, minor	20.55	23.83	py with tr pø + cpy on bands + fractures
		py & sericite			from trace to 2% down section
		23.83-24.59 - 20% qtz, minor			
		sus on fractures			
		25.06-26.10 - 70% qtz (broken			
		vein) with sericite, biotite			
		fragments, chlorite, epidote.			
		@26.10 - white & brown cb	26.10		minor pø
		for 5cm	@	26.31	pø/py on band
		@27.65-5 cm white qtz @70° tca	27.13	27.65	minor pø/py
		@27.85- 4 cm white qtz @60° tca			
		28.10-28.45 more silicified			
		29.40-29.70 more silicified			
		30.25 - 2 cm white qtz @60° tca	30.25		minor pø in qtz
		31.20-31.36-LAMPROPHYRE DYKE	30.60	31.20	minor py on fractures
		@ 30° tca with 1cm qtz on upper			
		margin & more qtz rich for 15 cm	31.36	30.51	tr. py.
		below			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		31.36-32.11 - swirly chlorite +	32.26	33.20	1% py in bands
		biotite (green-brown), less bands			
		32.11-32.26 - more siliceous			
		@ 33.51 - 1.5 cm cb band @ 60°			
		tca - no mins.	@	33.57	pø bleb
		@ 33.57 - 1 cm cb band @ 40° tca	33.86	34.00	50% banded pø
		31.14-34.34 - more siliceous	34.14	34.34	trace pø/py
			34.67	35.62	5-10% pø in bands, blebs + fractures
			34.34	34.67	50% pø bands
		36.41-38.36 - more siliceous + less	35.62	38.36	pø, minor py, 1% to 20% down section,
		banded, more light green +			as fine diss + blebs, on fractures, in bands.
		less brown biotite			
					
		siliceous w pø			
		38.36-38.86 dark green, some	38.36	38.86	tr. pø
		brown, banded.	38.86	46.00	pø bands + blebs throughout, locally to
		38.86-43.86 more siliceous			over 20% for 2-4 cm, minor py,
		50.18 - 1.5 cm qtz vein @ 55° tca			tr cpy @ 42.45
		50.43 - 3.5 cm qtz vein @ 35° tca	46.00	63.40	tr pø in bands, 1% overall, 2-5% locally
		50.58-51.40 - more siliceous	50.58	51.40	2% pø
		52.46 - 52.85 - more siliceous			
		53.44 - 54.63 - more siliceous			
		56.35 - 56.65 - more siliceous			
		58.00 - 58.20 - " "	57.43	58.09	50% pø bands in green brown argillite
		63.05-63.40 - more siliceous, less banded			

HOLE NO. 96-21 Page 1 of 3

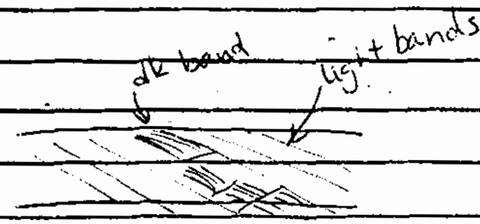
Diamond Drill Record

PROPERTY:	JERSEY
CLAIM NO.	LEROY 3
SECTION NO.	12950N 6400E
CONTRACTOR:	WESTGATE
LOGGED BY:	LINDA DANDY
DATE:	AUGUST 15/96

LOCATION:	107+41N, 36+03E		
AZIMUTH:	—	DIPS - collar	-90°
ELEVATION:	1315m (4320')	- m	°
LENGTH:	72.29 m	STARTED:	AUG 12/96
CORE SIZE:	NQ to 46.94 BQ to 72.29	COMPLETED:	AUG 14/96

PURPOSE: INTERSECT LIMESTONE/ARGILLITE CONTACT (MINERALIZED ZONE)

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	1.30	CASING - no core			
1.30	3.00	broken core - mostly lst			
3.00	11.00	LIMESTONE - banded light & dark grey (50:50). Bands @ 40° tca @ top of hole, dark bands are slightly graphitic. @10.00 bands @ 30° tca			
11.00		CONTACT - broken			
11.00	13.52	LAMPROPHYRE DYKE - very soft, broken, dark green in mid section, brown, muddy at each edge.			
13.52		CONTACT @ 15° tca			
13.52	22.24	LIMESTONE - banded, light & dark grey as above. Dark bands increase to >50% down section. Bands 0-35° tca, but generally ~15° tca. Dark bands resemble graphitic argillite interbeds & are often brxx			



Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
22.24		CONTACT - gradational			
22.24	24.24	ARGILLITE - dark grey with few lighter bands, finely laminated, very contorted, narrow limey beds to 1cm make up 10-20% of section	22.24	24.24	~1% pø & minor py as small blebs & along bands
24.24		CONTACT - gradational			
24.24	29.48	LIMESTONE/ARGILLITE - about 50:50, banded at 10° tca or less. 25.92-28.25 argl > lst	24.80	25.04	2 siliceous blebs along core (~10cm x 4cm) grey with py/pø & red-brown f.g sph or hematite.
29.48	64.75	ARGILLITE - dark & light bands. lighter bands are often limey & generally <1cm, often siliceous. Bands are warpy with variable orients. Banding @ 31.70 is 30° tca 37.50 is 10° tca 41.80 is 50° tca 50.60 is 45° tca 69.00 is 40° tca 29.84 ~~31.70~~-31.70 - dark, with very warpy narrow bands	29.48	31.70	Py to 2% throughout, as sm blebs, on fractures & in bands
		31.70-32.35 - siliceous, minor pink/green skarn bands	31.70	32.35	minor pø in skarny areas

Diamond Drill Record

HOLE NO. 696-2 | Page 3 of 3

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		32.35-37.98 minor skarny	32.35	37.98	pø in argillite (+ minor skarn) to 1%
		bands	39.19	40.82	increase in pø bands to 5% locally but
		64.44-64.75 - grading from			1-2% overall
		limey argillite to biotitic	45.00	46.40	2% pø in bands, py on fractures
		argillite (phyllite) Emerald	62.79	64.44	increased pø (also along sample intervals)
		into Truman?			
64.75	72.29	BIOTITIC ARGILLITE (PHYLLITE)	64.75		pø along contact
		- brown biotite layers in grey			
		green banded argillite			

HOLE NO. CJ96-3 | Page 1 of 3

Diamond Drill Record

PROPERTY: JERSEY

CLAIM NO. GOLD STANDARD

SECTION NO. 5600N, 5650E

LOCATION: 89+08N, 33+10E

AZIMUTH: 270°

DIPS - collar -60°

- m °

ELEVATION: 1220m (4000')

CONTRACTOR: WESTGATE

LOGGED BY: LINDA DANDY

LENGTH: 66.45 m

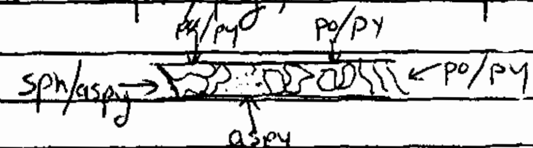
STARTED: AUG 15/96

DATE: AUG 18/96

CORE SIZE: NQ

COMPLETED: AUG 17/96

PURPOSE:

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	1.00	CASING - no core			
1.00	52.52	LIMESTONE - light & dark grey	@	4.03	2 cm rusty band @ 70° tca
		banded, consistant @ 75° tca,	21.04	21.14	massive po/py/cpy in calcite gangue.
		some coarse crystalline & some			Po = 80%, cpy <1%, + tr aspy, fine
		f.g. sections. 1st 2m is white			grained sus along margins
		siliceous f.g. lst (looks quartzy)	21.46	22.01	massive po/py, minor sph & aspy
		11.27-13.74 - f.g. dark grey limey			
		argillite or dolo interbeds			
		@20.82 - 4 cm qtz vein @ 78° tca			
		20.66-23.16 - MINERALIZATION	@	24.26	1cm rusty fracture with py @ 80° tca
		in dark f.g. limey argillite or			
		dolomite			
		28.00-28.65 - broken			
		@28.93 - 7 cm qtz vein @ 65° tca,			
		f.g. orange cb rock either side			
		and orange banding in lst (+ on			
		fractures) for 1m.			
		29.56-30.18 - broken	32.80	36.00	occ speck silvery py & dk brown sph to
		31.70-32.80 - orange cb bands			<1%, some as specks in bands, very
		to 20% in lst			minor po increases down section

Diamond Drill Record

HOLE NO. 696-3 | Page 2 of 3.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		37.22-38.20 - green skarn bands	@	35.45	stringers & blebs of gal & py (& aspy?)
		with orange cb bands, soft	@	39.68	pø & py blebs to 3% in a 4cm
		& broken			greenish band.
		41.00-42.01 - more dark &	41.00	42.01	< 1% pø/py
		orange bands			
		42.01-43.11 - swirly & brxx, dark			
		limey bands or f.g. dolo. Calcite			
		bands & fracture fillings contain	43.57	43.85	5% py on fracts & as blebs (in swirly dark bands)
		1% py.	45.05	45.83	> 50% pø/py, minor cpy in siliceous lst
		@ 43.87 - dark, f.g. finely			gangue - rare aspy with sericite in qtz
		laminated bands @ 70° tca (limey			rich patches (looks like altered granite). Dark
		dolo or argl).			bands in massive pø may contain sph.
			@	46.72	5 cm qtz vein @ 45° tca w pø/py blebs
			@	46.94	specks dark brown sph along a band.
			51.00	52.52	occasional speck f.g. py.
52.52		CONTACT - sharp @ 70° tca			
52.52	57.92	ARGILLITE - or f.g., siliceous	52.52	57.92	Py on fractures to << 1%
		finely banded, grey dolo?,			
		white calcite bands.			
57.92		CONTACT @ 70° tca - for			
		5cm before contact are			
		specks of brilliant green			
		fluorite? mariposite? with			
		py selvage			
57.92	61.21	ARGILLITE - graphitic			

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		dark grey to black, f.g.,	57.92	66.45	rare f.g. diss py in graphitic argl
		finely laminated, but warpy			often near calcite veinlet, py increases
		occasionally narrow (<1cm)			to ~1% on either side of dyke and
		calcite veinlet at various angles			increases to 2% locally at end of section.
61.21		CONTACT - gougy			
61.21	62.43	LAMPROPHYRE DYKE - dark			
		green, chloritic, biotitic,			
		soft + broken,			
62.43		CONTACT - gougy			
62.43	66.45	ARGILLITE - graphitic, as			
		before dyke, slightly			
		more competent + less			
		graphitic to end of hole.			

Diamond Drill Record

HOLE NO. 696-4	Page 1 of 2
PROPERTY: JERSEY	
CLAIM NO. EMERALD FR.	
SECTION NO. 8500N, 7550E	

LOCATION: 97+20N, 38+78E		
AZIMUTH: —	DIPS – collar –90°	CONTRACTOR: WESTGATE
ELEVATION: 1340m (4400')	– m °	LOGGED BY: LINDA DANDY
LENGTH: 30.78	STARTED: AUG 18/96	DATE: AUG 21/96
CORE SIZE: NQ	COMPLETED: AUG 19/96	

PURPOSE: TEST ASPY MINERALIZATION IN OLD HOLE 54.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	4.00	CASING – no core			
4.00	23.00	ARGILLITE – skarny	4.00	23.00	minor py on bands throughout
		banded generally @ 60° tca			
		- bands are grey, green, brown,			
		orange, white, minor pink			
		- biotite in dark bands			
		- qtz + calcite in conformable			
		stringers			
		4 – 15.85 – >50% biotitic			
		4 – 18 badly broken	18.29	19.20	increase pø/py to 1% with minor red sph
		19.30 – 21.20 – >50% biotitic			in skarn bands
		21.80 – 22.40 – >50% biotitic, ~~incr~~	23.20	24.76	MoS2 blebs to 1cm mostly in actinolite + some
		~~in~~ greenish hard skarn at			scattered small specks, locally 1-2%, generally .5%
		7.50 to 9.34, 18.34 – 19.20, 20.30 –	23.25	24.76	py blebs to 1% often in bands, more locally
		20.40, 21.20 – 21.70	23.30	24.76	pø, f.g to massive along bands 1cm, tr cpy
		15.95 – 16.80 – rusty on fractures	24.76	25.98	10% py/pø
23.00	30.78	SKARN – banding 50-60° tca,	25.98	27.64	minor py/pø
		predom. light green diopside with	25.93	26.03	0.3 – 0.5% MoS2
		50% garnet + dk green actinolite	27.64	28.10	sm shiny py cubes & aspy xtals in brxx. P.

Diamond Drill Record

HOLE NO. 696-4 | Page 2 of 2

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		calcite veins to 3cm at	28.19	30.78	pø/py/MoS_2 blebs to 1%
		45-90° orient. Veins = 15%			
		of total section			
		30.60-30.78 - Brxx with qtz			
		cb runs along core			

HOLE NO. G96-5 | Page 1 of 8

Diamond Drill Record

PROPERTY: JERSEY
CLAIM NO. MARK TAPLEY
SECTION NO. 6583N, 8710E

LOCATION: 92+50N, 44+00E
AZIMUTH: 090°
ELEVATION: 1502m (4928')
LENGTH: 204.89m
CORE SIZE: NQ to 137.16, BQ to 204.89

DIPS – collar – 80°
– m °
STARTED: SEPT 21/96
COMPLETED: SEPT. 26/96

CONTRACTOR: WESTGATE
LOGGED BY: LINDA DANDY
DATE: SEPT 25, 27, 30/96

PURPOSE: TEST PØ/PY/ASPY (GOLD-BISMUTH ZONE) INTERSECTION IN D76

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	42.08	LIMESTONE - 0-3m broken			
		+ banded grey + white lst.			
		+ banding @ 3m is 50° tca			
		@ 10 is 80° tca			
		@ 14 is 80° tca			
		+ banded sections alternate with			
		light grey/white massive and			
		dark + light grey swirly			
		segments. Grain size from			
		med to fine in both banded			
		+ unbanded.			
		- Fe cb on fractures for 1st 10m.			
		@ 4.45 - f.g. grey-green bands			
		2 x 1cm @ 60° tca with			
		brilliant green spots + Fe			
		cb margins.			
		14-15 tan, f.g. bands look	@	14.38	1.5 x 0.5 cm rusty patch with minor malachite
		dolo but fizz			+ azurite - for 50 cm rusty with sm bxwk
		@ 19m - occ black graphitic	@	19.00	py in black argillite bands < 1cm wide with
		argillite as narrow bands			8% py blebs (~1% py in section)

Diamond Drill Record

HOLE NO. 696-5 | Page 2 of 8.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@24m bands @ 80° tca			
		@28 m bands @ 75° tca			
		30.8-31.5 - very broken			
		32.31-34.00 - very broken			
		34.00-36.00 - occasional tan, f.g.			
		dolo, appearing band, graphitic			
		@35m - bands @ 60° tca	@	38.44	couple of pø specks
		@41m - bands @ 65° tca			
42.08		CONTACT @ ~~40~~ 10° tca along core axis for 80cm.			
42.08	50.06	LAMPROPHYRE DYKE - limestone			
		inclusions from 48.50-49.05 and			
		47.17 - 47.47.			
		-lamp is dk green to brown			
		-dark green to 47.17 then			
		brown for rest			
		42.60 - 43.40 - broken, gougy			
		47.47 - 48.46 - broken in plates			
		along core axis			
50.06		CONTACT @ 20° tca			
50.06	74.27	LIMESTONE - grey/white,			
		coarse grained, banded lst.			
		@52 banding @ 85° tca			
		~~@ 50~~ small lamprophyre dykes			
		at 65.41-65.84 @ 60° tca, and			
		68.78-69.03 @ 50° tca - broken.			

Diamond Drill Record

HOLE NO. 696-5 | Page 3 of 8

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@66.94 - fracture with slicken-			
		sided calcite at 20° tca			
		@67.83 - fracture with slicken-			
		sided calcite @ 40° tca			
74.27		CONTACT - broken @ 40° tca			
74.27	77.92	LAMPROPHYRE DYKE - dark			
		grey-green, very soft, altered			
		Biotite completely altered to			
		dark red-brown talcy			
		@75.70 + 76.81 - gougy			
		76.91 - 77.11 - white, f.g. lst			
77.92		CONTACT - sharp @ 55° tca			
77.92	110.10	LIMESTONE - grey + white,	@ 98.82		hairline rusty (Fe cb) bands for 5 cm.
		med grained, crystalline,			5% of section is rusty.
		swirly banded + lesser	@	101.00	hairline fracture @ 90° tca with minor py.
		unbanded (generally whiter)	104.39	104.59	warpy rusty fracture at low < to core
		+ some well banded sections.			axis - no fresh sulfides
		Banding @ 81 is 70° tca	106.86	106.98	few hairline fractures with Fe cb and
		@78.17 - 8cm lamprophyre			py bxwk - no fresh sulfides
		dyke at 80° tca			
		@102.70 - 2cm lamprophyre			
		dyke @ 50° tca, soft, green.			
		@106.05 - 8cm lamprophyre			
		dyke @ 90° tca			
		@108.18 - 12 cm warpy lamprophyre dyke			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@107.76 - ½ cm lamprophyre			
		on fracture @ 50° tca			
110.10		CONTACT @ 45° tca			
110.10	110.99	LAMPROPHYRE DYKE - dark			
		green, fresh & altered biotite,			
		mildly chloritic			
110.99		CONTACT - broken			
110.99	111.60	LIMESTONE - as above			
111.60		CONTACT @ 45° tca			
111.60	112.47	LAMPROPHYRE DYKE - dark			
		grey-green, chloritic			
112.47		CONTACT @ 45° tca			
112.47	113.60	LIMESTONE - as above			
113.60		CONTACT - warpy @ 55° tca			
113.60	114.00	LAMPROPHYRE DYKE - grey-			
		green, chloritic			
114.00		CONTACT @ 65° tca - broken			
114.00	129.47	LIMESTONE - as above,			
		faintly banded, folded, some			
		massive sections.			
		Banding @ 115 is 85° tca			
		@ 118 is 85° tca			
		@ 125.5 is 65° tca good banding			
		@ 128 - is 55° tca			
		123.85 - 124.08 - orange Fe cb on			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		fractures + in bands (no sus)			
		124.08-126.08- f.g., finely			
		banded @ 65° tca			
		@124.08 sharp break at 90° tca			
		between Fe cb + banded Lst.			
		129.15-129.48- occasional Fe cb			
		on fractures			
129.48	131.79	DOLOMITE (dolomitic lst)	129.85	130.98	warpy banded sulfides with 5-10%
		warpy, banded, at all ∠s			sph, 95% po/py, minor gal, tr cpy.
		tca - contacts at high ∠			Sph is red-brown, occurs on fractures
		tca - but gradational			+ near lower contact (130.98) is band of
		129.48-129.85 dark grey +			black sph.
		orange, finely laminated,	130.98	131.83	1% sulfides in bands at Low ∠ tca,
		f.g, warpy bands @ high ∠s			skarny looking.
131.79	170.76	LIMESTONE - grey + white,			
		massive, banded + warpy.			
		as above.			
		Banding @ 142m is 90° tca			
		~~Br~~ @ 150m is 70° tca			
		@ 159 m is 30° tca			
		@ 160m is 45° tca			
		@ 163.5m is 80° tca			
		135.58-138.78 - vuggy area with			
		calcite veins + crystals, open			
		cavity, some brxx + fault gouge.			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		139.44-142.58 - occasional dolo	@	139.46	f.g. py band
		band, dark grey, f.g.	139.87	141.47	occasional pø/py bands with <1% sph & gal.
		@149-155 occasional 30cm	141.47	142.53	occasional py blebs or diss specks to ½%
		bands of white crystalline lst			+ rare small very shiny silver specks (aspy?, Bi?)
		@144.22 - 10cm with 10%	142.53	144.00	specks f.g. py
		rusty Fe cb on fractures	151.89	152.24	narrow rusty pyritic bands (minor sph?)
		167.20-167.64 - slightly siliceous	154.43	155.54	3 10cm rusty py bands @ 50° tca with
		+ dolomitic either side of			Fe cb & tr. sph (no fresh mins)
		pø band	158.90	160.60	f.g. py along bands ~1 ½cm band/10cm.
			166.07	167.34	f.g py bands
			167.34	167.49	massive pø band, broken, warpy gradational
					edges @ ~90° tca, also 20% py.
			167.49	170.76	~1% pø/py blebs or bands.
170.76	179.55	MINERALIZATION - lst &			
		dolo - some silicified dolo patches			
		but primarily massive sulfides with pø > py > aspy > cpy. No apparent qtz veining,			
		no Bi			
		170.76-171.15 - pø/py ~ 50:50 with pø increasing down section, also ~1% cpy			
		in siliceous patches. Sulfides = 95%			
switch footages		171.15-173.74 - massive py/pø with 60% py + 40% pø in 10% cb gangue. Py in			
		blebs + patches to ½cm			
		173.74-174.37 - massive pø, 100% sus to 172.70 then has 10% siliceous dolo gangue			
		Py to 10% increases down section, 1% cpy			
		174.37-174.63 - grey + light grey banded lst, bands @ 35° tca but warpy. F.g.			
		diss py to 2%			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		174.63-176.03 - massive py/pø with 10-20% cb gangue, Py:Pø 50:50, very rare dk brown sph specks, from 174.85 rare patches of v.f.g. silvery-grey aspy? usually along margins of xcutting narrow cb veins.			
		@176m - banding @ 65° tca			
		176.03-176.30 - banded light + dark grey lst with 60-70° tca bands with 20% aspy xtals (coarse > 4cm) in 1st 10 cm, then occasional aspy <1 to 2%, tr diss py.			
		176.30-176.61 - massive pø/py 70:30%			
		176.61-178.81 - 75% pø/py, 25% cb + minor silica gangue. Pø/py 65:35, cpy to <1%			
		@178.50 - bands @ 40° tca.			
		178.81 - 179.32 - very contorted light + dark grey lst bands. ½ cm qtz veinlet runs along core at 10° tca, ~~or~~ 30% py + 10% pø			
		179.32 - 179.55 - massive pø/py 60:40, in 20% cb + minor silica gangue, last 10 cm has 10% aspy in a band.			
179.55	198.74	LIMESTONE - as before, with	179.55	180.61	py specks, rare
		light crystalline + light + dark	180.61	180.71	light siliceous band @ 45° tca with 2% py blebs
		bands.	180.91		½ cm rusty band @ 30° tca, minor py
		179.55-180.61 - banded (dolomitic?)	183.83		1 3mm speck red-brown sph
		@ 180.25 - bands @ 45° tca	183.83	185.26	<½% sph specks + <½% py
		@183.25 - bands @ 60° tca - warpy	188.05	189.58	py/pø increases to 5% locally, but 1-2% generally
		183.29 - 185.26 - dark + light warpy			
		banded (dolo?) lst ~~##~~	189.58	198.74	py + occasional pø to 5% in 10 cm
		188.05-189.58 - banded 60° tca warpy.			sections, ~~gen~~ to ½% v.f.g throughout
		189.58-191.06 - coarsely crystalline not banded.			

Diamond Drill Record

HOLE NO. 696-5 | Page 8 of 8

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		191.06-193.22 - banded again			
		193.22-194.16 - crystalline			
		194.16-198.74 - banded @ 65° tca			
198.74		CONTACT - gradational			
198.74	204.89	DOLOMITE - 1st appearance,	198.74	204.89	1% f.g. diss py + <<< 1/2% v.f.g.
		but no fizz.			shiny silvery specks (likely aspy?)
		- generally f.g., banded,	@	200.75	speck black sph.
		massive, warpy.			
		@ 201 m - bands 65-75° tca			
		~~@ 200.75~~			
		- last 10 cm is massive			
		white dolo.			

HOLE NO. 296-1 | Page 1 of 4

PROPERTY: JERSEY

CLAIM NO. JERSEY 3

SECTION NO. 14600N, 8600E

CONTRACTOR: WESTGATE

LOGGED BY: LINDA DANDY

DATE: ~~SEPT~~ AUG. 8/96

Diamond Drill Record

LOCATION: BLACKROCK

AZIMUTH: 280°

DIPS – collar –45°

– m °

ELEVATION:

LENGTH: 65.23m

STARTED: AUG 6/96

CORE SIZE: NQ

COMPLETED: AUG 7/96

PURPOSE: INTERSECT PB-ZN MINERALIZATION IN BLACKROCK DOLOMITE

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	3.96	CASING (overburden)			
3.96	19.94	LIMESTONE –			
		3.96-5.49 – white, coarse crystals,			
		very broken, poor recovery			
		5.49-10.30 - lst grades from clean			
		white xtalline to banded, f.g. lst			
		with very pale pink/orange bands			
		Banding @ 60° tca - warpy +			
		offset, poorly visible			
		10.30-13.02 – banded as above	@	10.90	1 speck py
		@11.60 bands @ 45° tca			
		~~@10.90 1 s~~			
		13.02-15.60 light + dark grey	14.70	14.90	2% pø on fractures + as blebs
		banded, dirty lst – contacts			
		warpy @ 40° tca, with			
		minor argl bands @ 70° tca +			
		a short section of white calcite			
		@14.0 + 14.4 gougy			
		15.60-16.70 dark grey banded			
		argillaceous lst - minor biotite			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		in mid sectn is 10cm brown			
		gouge with mica & minor qtz.			
		16.70-19.94 - white to cream lst,	16.70	19.94	rare specks v.f.g. cubic pyrite, about
		f.g., banded to white crystalline			1 speck /10 cm.
		+ Banding varies from 40-70° tca			
19.94		CONTACT @ 80° tca			
19.94	20.42	LAMPROPHYRE DYKE - dark			
		green, chloritic with biotite			
		up to .5cm, red garnet			
		& green olivine.			
20.42		CONTACT @ 80° tca			
20.42	33.59	LIMESTONE - white crystalline			
		to grey banded argillaceous.			
		+ Banding variable 30-70° tca			
		+ Green-brown skarny patches &			
		biotite altered bands (fizzes well)			
		@ 20.75 4cm lamprophyre	20.75	22.25	<< 1% pø on fractures
		dyke, f.g.	25.21	33.59	<< 1% diss pø blebs & rarely on bands,
33.59		CONTACT, poorly visible			increases down section to 1cm blebs
		@ 65° tca			from 26.15 on.
33.59	34.32	LIMESTONE & SKARN,	33.59	34.32	2% pø, tr py & cpy along bands
		green, brown, pink, grey &			& fractures
		white, mostly f.g., mostly			
		banded - @ 45° tca or less.			
34.32		CONTACT - warpy @ 65° tca			

Diamond Drill Record

HOLE NO. 296-1 | Page 3 of 4

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
34.32	35.82	LAMPROPHYRE DYKE - soft, broken, chloritic with hairline calcite veins on fractures at 60-70° tca, mafic minerals are completely chloritized, serpentine on fractures			
35.82		CONTACT @ 65° tca			
35.82	37.96	LIMESTONE, white to grey-green, about 50% crystalline massive & 50% warpy banded @ 70° tca	35.82	37.96	po on fractures & as blebs to 2% locally (<1% in section)
37.96		CONTACT - with serpentine at 70° tca			
37.96	38.49	LAMPROPHYRE DYKE as above			
38.49		CONTACT - brxx			
38.49	38.65	LIMESTONE, brxx, white f.g. lst with chlorite, sericite & minor biotite, between broken pieces. This is beginning of fault zone that cuts off mineralization			
38.65		CONTACT - gouge			
38.65	39.36	GOUGE - dark green clay with chlorite & minor calcite			

Diamond Drill Record

HOLE NO. Z96-1 | Page 4 of 4

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
39.36		CONTACT - brxx			
39.36	40.97	ARGILLITE - light grey, limey banded, moderately brxx, chlorite & serpentine on fractures, minor secondary biotite, entire rock is soft, soapy, altered 40.47-40.63 - white, barren, qtz vein, chlorite on fractures, contacts broken.			
40.97	42.89	GOUGE - serpentine, chlorite, minor dark argillite (may have been lamp or argl), totally broken & gousy from 41.60 to 42.67.			
42.89		CONTACT - gradational			
42.89	65.23	ARGILLITE - (Truman?), light & dark grey to brown biotitic banded argl. with occasional limey patches. Bands very warpy, generally <40° tca. Occasional hairline calcite veining parallel or crossing bands 44.40-44.60 Gouge 45.10-46.40 badly broken	42.89	65.23	minor po/py on fractures & as blebs occasionally to 5% for short sections but generally <1%. From 59 m, more competent, dark grey-green (Laib phyllite?) - band @ 45-50° tca.

Diamond Drill Record

PROPERTY: JERSEY 296-2	
CLAIM NO. JERSEY 1	
SECTION NO. 6700N, 13,800E	

LOCATION: 92+04N, 60+55E		
AZIMUTH: 272°	DIPS - collar -80°	CONTRACTOR: WESTGATE
ELEVATION: 1530 m	- m °	LOGGED BY: LINDA DANDY
LENGTH: 262.43 m	STARTED: AUG 22/96	DATE: AUG 24, 28, 1996.
CORE SIZE: NQ	COMPLETED: AUG 27/96	

PURPOSE: TEST ZN-Cu-AG SOIL ANOMALY AND LIMESTONE BAND.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	2.46	CASING - no core			
2.46	96.80	ARGILLITE (Active)	2.46	96.80	3-4% py/po 70:30 along bands & as blebs to
		2.46-8m - broken, rusty, oxidized			3mm. Locally 20% py/po concentrated in siliceous
		~~fine to~~ grained, generally finely			layers. Sph. 1%, up to 2-5% in light layers
		laminated, 1/4 band are warpy			up to 1cm wide. Sph is red, with minor
		& folded.			black & dark brown. Cpy to 1/2% locally +
		-Tremolite occurs as lighter			1/4% overall. Sph occurs in qtz veins as red-
		bands with mineralization			brown blebs to 1cm often with py/po + cpy.
		-Siliceous layers occur as			Sph also occurs as small red "spots" to
		lighter bands with mineralization			≤ 1mm in tremolite or silica rich layers 1-3
		-Rare hairline white calcite			cm wide - can increase to 10% sph. Sph
		on cross fractures			also occurs alone as spots in bands. Cpy
		2.46-6.48 - bands @ 75° tca			occurs with po/py & is hard to distinguish +
		@3.68 - 0.5cm qtz vein			estimate grade. Where Xcutting fractures
		@10m - bands @ 60° tca			have py cut qtz ~~veins~~ rich layers py is
		@14m - bands @ 70° tca			replaced by cpy.
		@8.64m - 5cm qtz vein	@	8.64	in qtz is sph, py, minor gal, actinolite + cpy.
		@6.48-7.01 - more brxx +	6.48	7.01	py + cpy.
		fractured, increased cc fractures.			
		@8.70 - increased tremolite	@	8.70	minor sph

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		8.14-8.44- warpy micro folds			
		9.46-9.66- " " "			
		@13.12 - 4cm warpy qtz vein			
		@14.49-3cm qtz vein @ 85° tca			
		@17m - bands @ 85° tca			
		-In general tremolite bands are			
		most contorted & best mineralized			
		@18m-bands @ 85° tca	19.48	19.63	tremolite-qtz stringers with 2% each
		20.39-20.55 more contorted			sph & cpy
		tremolite rich area			
		@20.59 - 7cm qtz rich area	@	20.59	minor pø/sph in qtz
		with warpy veins & green specks			
		@21m - bands @ 70° tca	@	21.20	6 cm tremolite with 20% sph @ 80° tca
		@22.25-warpy for 1m			
		24.53-24.81 - warpy	22.25	23.00	slight increase in cpy to 0.5% in
		@27m - bands @ 82° tca			warpy tremolite zone
		27.22-27.68 - warpy tremolite bands	@	25.15	2 cm qtz @ 70° tca with 50% pø, minor
		28.39-28.79 - warpy as above			py, cpy, sph.
		@30.08 - 7cm tremolite band	@	26.72	2.5 cm qtz band @ 75° tca with
		@ 80° tca			20% sulfides
		31.34-31.59 - 10 cm white	27.22	27.68	sph in tremolite band
		barren (hard) calcite vein with	@	30.08	15% sph, 10% py/pø, 1/2% cpy in
		graphite margins & 2-3cm grey			tremolite band
		qtz - broken.			
		31.34-32.81 - broken & graphitic	31.34	32.81	pø/py/sph in qtz blebs

Diamond Drill Record

HOLE NO. Z96-2 | Page 3 of 15

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		last 15cm has tremolite + qtz blebs.			
		@35m - banding 50-75° tca			
		35.11-37.16 - warpy bands, some tremolite	35.11	37.16	increase pø
		@37.91 - 1.5 cm qtz vein	@	37.91	50% pø in qtz
		@38.02 - 10 cm tremolite band	@	38.02	20% sph in tremolite
		@38.74 - broken + graphitic for 20cm.			
		41.51-42.61 - qtz-rich zone (~10% qtz as conformable stringers to 2cm + xcutting veins to 1/2 cm) also 2 x 2cm tremolite bands @ 70° + 50° tca	41.51	42.61	minor pø/sph in qtz + 20% sph in tremolite
		@44.84 - warpy tremolite bands			
		@45.63 - banding warpy + fractured	@	45.63	pø/py + less sph to <1/2% total.
		@46.93 - graphitic with xcut calcite stringers to <1%, soft + broken in places	47.00	47.50	increased qtz veining, warpy with sph + pø
			47.51	47.88	qtz vein with sph blebs to 2cm, minor py/pø. Vein has warpy margins ~40° tca.
		@48.82 - warpy qtz blebs			
		49.38-50.26 - warpy qtz blebs to 10%	49.38	50.26	minor sph in qtz
		@49m - bands @ 50° tca			
		52.08-52.33 - qtz + tremolite			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		in warpy banded zone			
		53.40-~~53.83~~ 53.70 increase in	53.40	53.70	pø & sph to 2%
		warpy qtz / brxx / tremolite.	54.06	54.66	sph in tremolite
		@54m - bands at 40° tca			NOTE: By 50m sph in bands & diss has
		54.06-54.66 - 1-2cm tremolite			decreased to trace except in qtz or
		bands, conformable			tremolite where it remains the same.
		55.82 - 6 cm tremolite-qtz			Pyrite decrease & pø increases to 1%. Cpy
		band @ 50° tca			increases slightly but is still minor.
		57.45-57.90 - 20% tremolite	@	55.82	pø / sph in qtz.
		bands	57.45	57.90	sph in tremolite
		@59m - bands @ 65° tca			
		60.50-61.10 - more siliceous +	60.50	61.10	py increases to 5%, tr sph / cpy
		warpy	@	62.30	1cm qtz bleb w 50% sph + minor gal
		@63m - bands @ 60° tca	@	65.60	slight increase in cpy (still <½%) in tremolite
		@67m - bands @ 75° tca	66.85	67.00	qtz-cb bands 70° tca w. sph/pø, tremolite, garnet
		@70.48 - 15 cm calcite veining	@	70.48	minor py in cc brxx
		at 40° tca, brxx argl is	68.87	69.90	silica + tremolite with 10% py/pø locally
		soft + graphitic for 5cm			+5% overall, incr sph to 1-2%
		either side			
		72.08-72.60 - increase in warpy	72.08	72.60	2-5% sph blebs in qtz
		qtz veins to 30%			
		@77m - bands @ 55° tca			
		@81m - bands @ 45° tca	@	83.21	6 cm tremolite band - warpy with 50% pø
		@87m - bands 70-80° tca	@	85.30	2 cm tremolite band @ 70° tca - warpy - with
		@89.42 - 1cm qtz/cc vein @			15% sph.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		25° tca, cuts off x cutting	@	85.85	20 cm band/bleb tremolite with 20% sph
		warpy conformable beds			20% py/pø + few specks cpy.
			@	87.50	
		89.95-90.63 - increase tremolite	89.95	90.63	pø / py, no sph.
		+ qtz			
		Note: from 50m on bedding			
		is warpy			
		@93m - bedding is 50° tca			
		93.10-93.35 - qtz blebs along	93.10	93.35	minor pø + sph.
		core (xing banding), minor			
		green spots			
		93.66-94.00 - tremolite, light	93.66	94.00	some bands + patches have increased
		grey			sphalerite but not throughout
		95-96m - banding shallows to			
		20° tca, finely laminated,			
		some qtz	95	96	pø in qtz
		96.14-96.30 increased warpy	9@	95.70	2.5cm qtz perpendicular to bedding with
		qtz - no sus.			minor pø
		96.30-96.80 - fractured, brxx,	96.30	96.80	pø blebs + on fracts to 5%, tr sph.
		graphitic argl with xcutting			
		qtz strings			
96.80	97.84	GRAPHITE GOUGE - dark	96.80	97.84	minor pø
		grey, crumbly with minor			
		calcite			
@	91.80	CONTACT @ 15° tca			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
97.84		CONTACT - crumbly/broken			
97.84	98.37	LAMPROPHYRE DYKE - pale green, clayey - totally altered with fractures of calcite + few remnant olivines visible			
98.37		CONTACT - @ 65° tca			
98.37	99.56	ARGILLITE - black, soft, slightly graphitic, fractured + brxx with calcite on fractures to 10%.	98.37	99.56	pø blebs on fractures
99.56		CONTACT @ 45° tca			
99.56	100.07	LAMPROPHYRE DYKE - brxx with calcite stringers (as above)			
100.07		CONTACT - variable @ 45° tca			
100.07	100.92	ARGILLITE - BRXX, with 40% calcite stringers + stockwork. Argl is graphitic	100.07	100.92	occasional pø blebs
100.92	161.00	ARGILLITE - banded dark + light grey 50:50, 1st 10m has variable bandings from 0-60° tca. 1st 1m brxx with offsets + qtz-cb stringers. Core looks uniform. 108.00 on - less light bands	100.92	161.00	pø to 2%, occasional sph.
			101	108	light bands with increased cpy to 10% in some bands, <1% overall, tr sph, 2% py/pø, Cpy sp. @ 104.95, 105.85, 106.60, 107.40, 107.92, 108.81.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@110m - banding @ 30° tca			
		@110.27 - 2.5cm calcite,	109.30	113.40	Sulfide bands increase 5% pø, minor py, rare
		vuggy crystalline vein			blebs cpy & increase in sph in certain
		perpendicular to banding			bands. Sph <1%, cpy <<<½%
		at 50° tca			
		@115.5 - bands @ 40° tca, lots	113.40	119	grey & white with decline in total
		of hairline fractures causing			sulfides to 1-2%
		small offsets in banding,			
		also some very distorted bands			
		within straight banded sections			
		117.27-117.42 - broken and	117.27	117.42	minor py on fractures
		slightly graphitic zone xcut			
		hairline fractures with	119.18	120.50	increased pø to 2%, some minor py, cpy,
		calcite			sph (increased in light bands)
		120.84-121.20 - broken, brxx,	120.84	121.20	minor pø/py
		with calcite + qtz in xcut			
		stwk			
		@121.50 - bands @ 25° tca			
		120.84 - 128.90 - argl tends to be			
		dark grey & more finely laminated			
		with increased fracturing filled			
		with xcutting calcite (hairline			
		with some parallel to banding +			
		others xcutting tension fractures			
		& some warpy @ any orient). Bands			
		generally 60° tca			

Diamond Drill Record

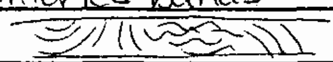
HOLE NO. 296-2 | Page 8 of 15

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		123.85 - 12 cm LAMPROPHYRE DYKE			
		(amygdaloidal) with olivine			
		warpy but 90° tca - lower			
		contact has 5cm qtz-cb-			
		graphite - py/pø			
		125.70-125.87 -			pø blebs to ½% in felsic dykes
		126.10 - 126.28 - } FELSIC DYKES			
		126.81 - 127.21 - med grained			
		white, >50% qtz + fs. Dyke			
		orientations @ ~45° tca perp.			
		to bandings of argl @ 60° tca.			
		Argl contorted adjacent to			
		dykes	129.70	130.82	Increase pø/py to 15% - brown spots (sph?)
~~127.21~~	~~127.29~~	127.21-127.29 GOUGE - GRAPHITE			to 20% & tr cpy in lighter tremolitic
		Back to argl as above.			contorted argillite
		130.91-131.02 - qtz vein @ 90° tca	130.91	131.02	5% sph, 10% py/pø, tr cpy in qtz.
		with graphite smears & occ.	131.02	132.40	Increase pø, etc as 129.70-130.82
		light green tremolite	133.63	134.06	Increased in warpy qtz veins to 5% containing
		132.40-132.90 - fracture with			5% pø, minor sph & py.
		calcite xcuts argl, with graphite			
		137.63-141.04 - graphitic patches	137.63	141.04	pø blebs, minor py + sph.
		with calcite on xfractures,			
		also patches dark green			
		silica (skarn?).			
		@140m - bands @ 80° tca			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		141.04-144.87 - generally light +	141.04	144.50	5% pø, 1-2% py, 1-2% red sph? (confined
		dark grey bands @ 68° tca			to lighter layers), occasional cpy
		light bands are fine tremolite,	144.50	151.60	3-4% pø/py, minor sph, tr cpy.
		cc and rare qtz xal.			
		144.87-145.17 LAMPROPHYRE DYKE			
		f.g., med green, hard @ 70° tca			
		Back to same argl as before.			
		146.60-148.70 - 30% warpy qtz			
		veins, very broken & offset			
					
		bands made by qtz.			
		@150m - bands 0°-80° tca	151.06	152.75	qtz blebs + stringers (warpy + offset),
		152.06-154.30 - bands 65° tca			Qtz to 10% section, 1cm sph blebs
		154.30-156.62 - warpy banding			in qtz, small cpy + gal blebs, + pø/py.
		at low ∠'s tca.			Pø > sph > py > cpy > gal.
		156.62-158 - bands 65° tca			
		158-161 - warpy, no bands	158	161	diss pø to 2% ~~to~~ in skarn patches
		visible - grainy appearance,			
		green/pink skarn patches,			
		@158.19 - 3cm white calcite			
		vein @ 25° tca			
161.00	213.00	LIMESTONE (skarny) - contact			
		gradational over 6 cm., Lst			
		is white + grey, coarse to			
		lesser f.g. 50% banded esp			

Diamond Drill Record

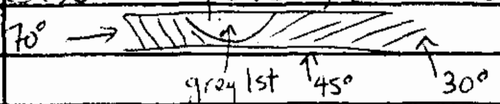
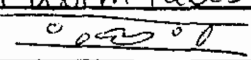
Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		at top of section. Skarny			
		with brown elongate xtals			
		(idocrase) and white, fibrous,			
		hackly xtals (wollastonite).			
		Woll usually occurs along			
		fractures + idocrase in masses			
		or along bands. There are			
		small (upto 30cm) argl inter-			
		beds with minor diss pø. Soft			
		green talc on some fractures.			
		@161.36 - 5cm, white, xtalline			
		calcite vein - broken			
		161-167.45 limey argl interbeds			
		to 50% - fizzes well.			
		@165.85 - 10 cm patch idocrase			
		167.45 - 173.55 white siliceous			
		skarny lst (> 50% woll) +			
		dolo - poor fizz, very			
		contorted bands			
					
		173.55 - 174.93 - black, white +	173.55	174.93	pø - diss - in dark argl bands
		brown, siliceous, banded			
		argl w. limey bands @ 55° tca			
		174.93 - 178.11 - white + brown			
		siliceous skarny argl with			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		ido + woll banded 40-60° tca, warpy with 30 cm of fracture cc veined dk argl @176.50, cc vein runs 020° tca for 30cm @ 177.78.			
		178.11-179.64 - black + gray finely laminated limey argl with xcutting cc stringers, broken in places. Bands warpy @70-85° tca	178.11	179.64	tr diss po throughout
		179.6-182.5 - banding in grey + white lst/dolo, fairly constant @ ~80° tca - lst/dolo fizzes poorly where finer grained, is nicely laminated & dark bands fizz better than white ones.			
		182.5-188.3 warpy grey-white banded, very fizzy lst, rare woll bands, rare ido, incr. down section	182.61	182.64	Siliceous band (almost granitic appearing) @65° tca with 2% po blebs
		188.28-188.46 - dark siliceous argl @ 75° tca			
		188.3-190.1 - good banding gets increasingly warpy down hole with avg @ 70° tca, this section is more siliceous with			

Diamond Drill Record

HOLE NO. Z96-2 | Page 12 of 15

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		woll, slight fizz in grey areas @190.20 - fold, either side  is 1-1.5 m of whiter more siliceous lst (woll).			
		191.41-200.82 - warpy, greyer, lst w. occ. white patch/band minor ido & woll. Patches of dk grey f.g. argl increase down section	@	194.17	1cm lst band has 10% reddish sph. (or ido?).
		200.82-203 - better banding w. increase in dk argl bands at 85° tca, ido-woll in light bands	200.82	203	occasional pø bleb along darker bands
		203-203.82 - dk. f.g. argl, massive, poorly banded with 2% black graphite circles or elongate patches - looks like fossil worm tubes 	202.9	203.82	1% pø blebs, couple small specks cpy.
		203.82-204.96 - light & dark grey to pale green (granular appearing) mottled limey section (looks granitic - but fizzes & is soft) green talc in some patches.			1 bleb 1/2 x 1cm dk brown sph.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		This section runs 60-80° tca			
		204.96-205.52 - black massive argl with xcut cc veinlets	204.96	205.13	20% pø/py in argl with occ cpy speck
		205.52-206.27 - banded black argl with light & dark lst & occ white woll. Bands @ 30° tca			
		206.27-209.23 - Banded grey lst & white woll with brown idocrase along band margins @ 30-45° tca. Woll is 40% & has bands upto 10cm. (206.48-206.72 is black argl w pø bleb).			
		209.23-209.91 - granular looking same as 203.82, some ido, occ patch pale orange cb. & lots of green talc & pale brown sericite.	209.23	209.91	minor pø/py blebs
		209.91-210.83 - LAMPROPHYRE DYKE - pale green, f.g., occ cc stringers, spheroidal on margins for 10cm. Contacts @ 45° tca.			
		210.83-212.66 - granular lst as above. with fine & coarse patches, talc decreases down section	210.83	212.66	<1% pø blebs

Diamond Drill Record

HOLE NO. Z96-2 Page 14 of 15.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		212.66-213 - contact zone, banded			
		white, siliceous, well bands			
		@ 70° tca			
213.00	262.43	ARGILLITE - dark grey	213.00	262.40	pø & minor py 1/2-20% throughout,
		generally finely laminated			occ cpy with pø - upto 1cm blebs <1/2%
		with distortions in tremolitic			Sph as red-brown blebs in bands - usually
		sections. Rare hairline cc fractures.			in qtz veins or tremolitic sections to 15%
		Rare brilliant green specks along			locally & <1% overall
		bands for 1st 1metre - bands	213	220.2	pø/py to 2%, tr cpy, no sph.
		@ 45° tca.			
		@218.42 - 5 cm limey band	220.2	227	pø increase to 5-10%, cpy to 1%, rare
		@ 35° tca			sph specks in bands, 2 specks gal.
		@230m - Bands @ 60° tca			
		@221m - Bands @ 30° tca			
		227.82-228.04 - brxx with cc	227	234	5% pø/py, tr sph & cpy
		stwk to 10% @ various			
		orientations	234	234.25	20% sph, 20% pø/py, 1% cpy
		@236m - Bands @ 60° tca	234.25	236.3	15% pø/py, 1/2% cpy, 1/2-1% sph
		@234.12 - 3cm qtz vein @ 55° tca	@	234.12	minor pø/py
		@237.54 - 6 cm qtz vein	@	237.54	pø, sph, cpy
		237.60-238 - few <1cm qtz	237.60	238	tr cpy in qtz.
		stringers	240.63		3cm qtz bleb w 1x2cm pø blebs + minor cpy
		@238.33 - 12 cm brxx qtz zone	@	241.71	8cm qtz-trem @ 60° tca w 20% pø/py/sph/cpy
		245-250 - 50% tremolite bands	245	250	5% pø, 1/2% cpy between bands, dk
		ure f.g. & si graphitic, some dk	argl.		argl has 2-5% pø & tr cpy. Occ sph.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION MINERALIZATION etc.
		@245.38 - 1.5 cm qtz vein @ 35° tca	@	242.31	7 cm qtz-trem @ 65° tca with 15% pø/sph/cpy
		250-253 - increased warpy &	231.3	262.43	tr sph, 1/2% cpy locally as blebs with
		brxx qtz veining with py/pø			pø in qtz veins. Pø/py blebs along
		& minor cpy			bands & in veins 2-5% increasing
		@253.38 - 2 cm brxx white			down section
		cc vein @ 55° tca on lamp.			
		contact			
		253.38-254.17 - LAMPROPHYRE			
		DYKE @ 45° tca, pale green,			
		hard, totally clayey mid			
		section	254.33	255.28	rare qtz veins to 2 cm @ various angles
		@254.17 - back to argl as before			with massive pø blebs makins 50% of veins,
		@255 m - bands @ 35° tca			cpy blebs rare - to 1/2 cm.
		@260 m - bands @ 50° tca	@	260.15	2 cm qtz bleb with pø & sph
		@260.81 - 10 cm. f.g. granitic	@	260.8	diss pø, minor cpy
		looking tremolite band @ 30° tca			
		@261.83 - band similar to last			

Diamond Drill Record

PROPERTY: JERSEY Z 96 3

CLAIM NO. JERSEY 1

SECTION NO. 5350N, 13150 E

LOCATION: 89+03N, 58+78E

AZIMUTH: 272°

DIPS - collar -60°

- m °

ELEVATION: 1440m (4725')

LENGTH: 201.78m

CORE SIZE: NQ

CONTRACTOR: WESTGATE

LOGGED BY: LINDA DANDY

STARTED: SEPT. 2/96

DATE: SEPT 4, 10/96

COMPLETED: SEPT 8/96

PURPOSE: TEST ZN-Cu-AG SOIL ANOMALY & LIMESTONE BAND

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	0.5	CASING - no core			
0.5	79.25	ARGILLITE -	0.5	13.66	1-2% f.g py/pø (py > pø), finely
		0.5-20.32 - broken, weathered			disseminated throughout & in xcutting
		with vuggy veins & rusty Feox			1-2 mm veinlets - Feox on fracts, occ
		on fractures (not seen in Z96-2)			cpy + sph in light bands
		@2m - bands @ 30° tca	@	2.85	gypsum w Feox on fracture
		@7m " 25° tca	7.00	8.95	minor sph (upto 2%) in light bands
		@9m " 70° tca			Sph is pinkish.
		@10m " 45° tca	9.42		5 cm mass. dark grey tremolite band
		@14m " 45° tca			with 50% py/pø/sph.
		@16m " 5° tca	10.20	10.40	Similar to above band but broken
		occ qtz veinlets, warpy &	13.66	13.82	green skarny band @ 40° tca with
		discontinuous (~1 every 30cm			20% sph/py/pø
		& up to 1cm wide) occ sph specks			
		13.82-16.47 - banded 50:50 light	13.82	17.18	~1% diss pø/py as small blebs in
		& dark argl with light			light layers & on fractures
		layers having tremolite & qtz,	17.18	17.68	pø/py/sph increases to 10%, tr cpy - this
		dark layers are sometime			mineralization in a vein? running down core
		graphitic			
		17.68-19.40 - soft, vuggy, brxx	17.68	19.1"	5% pø/py blebs

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		broken argl with cc stringers,			
		qtz bands; graphite on fracts.			
		Some green chloritic bands @60°			
		@21m - bands @ 35° tca	@	21.90	few specks red sph. in light band & in xcut
		@22m - bands @ 10° tca			qtz stringers
		@26m - bands @ 40° tca	22.66	23.41	few specks cpy in light band running
		25.60-27.70 - bands warpy, all			down core.
		orients, offset on fractures	@	23.50	rare red sph specks
		with qtz & py.	24.40	26.40	py/pø increases to 5%, tr cpy
		@30m - bands @ 30° tca	@	26.40	1% pø/py
		@33m - bands @ 15° tca	@	29.43	2% pø/py with tr cpy + sph.
		@32.31 - 4 cm calcite vein	@	30.20	2 cm qtz-tremolite vein @45° tca with
		@ 45° tca			pø/py/cpy/sph
		32.31-33.00 - siliceous brxx zone	30.20	32.31	pø/py increase to 5% locally, tr cpy + sph.
		with xcutting py/pø stringers			
		to 2% & graphite on fractures			
		@34.73 - 3 cm qtz-cb vein @55° tca	@	35	sph in light band running along core
		@38m - bands @ 5° tca			axis with cpy + qtz veinlets.
		38-46 - warpy light & dark	35	37.43	increased sph specks to 1% locally in light band
		grey banding			
		37.43-39.31 - core is darker, bands	37.43	39.31	pø/py usual, tr cpy.
		are 0-5° tca			
		39.31-46.32 - light & dark	39.31	46.32	< 1/2% sph in light bands, 1-2% pø/py
		warpy bands			
		46.32-49.56 - uniformly banded	46.32	49.56	1-2% pø/py, tr sph, cpy. Some heavy pø

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@ 60-70° tca, light + dark			in qtz blebs, rare pø in bands, sph
		bands become more siliceous			increases down section
		down section			
		@ 49.95 - 1cm qtz vein w pø			
		@ 35° tca (opposite to banding)			
		@ 50.68 - another vein as above			
		50.15-51.82 - more light +	50.15	51.82	light bands have pø blebs, minor sph, tr cpy.
		siliceous bands, warpy +			
		variable, generally low < tca	52.52		20 cm area of qtz stwk with 5% sph,
		@ 53.38 - 1cm calcite vein @ 50°			5% pø/py, tr cpy
		@ 53.62 - 1cm calcite vein @ 50° tca	@	53.75	heavy pø for 10 cm
		Between 2 above calcite veins			
		is ~~sep~~ serpentine, brxx, calcite			
		veined rock (altered lamp?)			
		54.79-59.40 - increase in lighter	54.79	59.40	pø, tr cpy.
		bands to 10cm wide			
		56m - bands @ 70° tca	@	56.87	heavy pø for 5 cm
		61.75-63.11 - poorly banded at	58.22	58.55	light band with 10% pø/py, up to 5% sph, tr cpy.
		70° tca, lots of xcutting warpy	@	59.14	½ cm qtz vein x cuts banding @ 30° tca
		qtz stringers to 1cm esp @			with 30% sph, 20% pø
		62.04, 62.40, 62.88.	@	59.69	light band with 2-3% sph. Band is 2cm
		@ 63.11 - contact @ 65° tca			@ 60° tca
		63.11-64.01 - granular, skarny	@	60.65	minor sph in 3cm light band
		(no fizz), light grey argl with	@	60.89	" " " 2cm " "
		brown idocrase + wollastonite	@	61.01	2 cm qtz bleb with 1cm pø blebs

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		(this section may be silicified	61.75	63.11	50% pø, blebs of cpy, tr sph + gal in qtz areas
		lst or skarny argl) Lower	63.11	64.01	minor (1-2%) diss pø, ½% diss sph, tr
		contact is indistinct			cpy + gal
		64.01-75 - warpy, light + dark	64.01	75	heavy pø in light bands
		banded with kink bands	64.01	66.26	2% diss pø or more, cpy to 1%, sph to ½%
		in dark areas + folded	66.26	74.85	½-1% pø, diss, + tr sph
		bands in light areas. Less			
		banded after 66 m			
		70.67-70.95 - cc veinlets in			
		light green altered rock, slightly	70.67	70.95	pø changes to py.
		brxx			
		74.85-79.22 - banded light grey	@	74.84	3 x 6 cm qtz bleb with 30% pø, minor cpy
		limey argl + dark grey argl,	74.85	79.22	heavy pø in some layers, others are barren,
		both siliceous, bands @ 75° tca			1% overall, tr cpy
		some ido + woll in light layers			
		76.35-76.60 - warpy + crosscut			
		qtz veins to 20%, also cc.			
79.25		CONTACT - warpy @ 90° tca			
79.25	145.25	LIMESTONE - siliceous, skarny			
		banded white + grey, some			
		argl (also skarny). Siliceous			
		skarny bands contain ido			
		+ woll. Generally bands @ 75°			
		tca but much is swirly,			
		warpy or unbanded.			

Diamond Drill Record

HOLE NO. 296-3 | Page 5 of 11.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		79.25-81.60 - skarny with 10% ido, rare argl bands, hard, silicified, minor white woll + some grey lst.			
		81.60-84.90 - Intermixed bands of white or grey lst + skarny siliceous ido/woll			
		84.90-87.68 - mainly skarny lst, rare argl + grey lst bands. Bands are warpy. Centre of section has 40 cm massive grey lst.			
		87.68-97.53 - >50% dark or skarny argl bands, rest is limey or grey skarn, some ido in dark bands. Banding warpy to non-existant			
		90.17-90.96 } LAMPROPHYRE 91.18-91.36 } DYKES 91.80-92.12 }			
		94.80-97.06 - dark grey skarn with ido, calcite stringers, minor qtz, warpy + hard.	93.60	97.26	sm pø specks to 1% in dark bands w rare speck cpy.
		97.06-110.55 - equal parts grey + white lst (med grained, warpy)	105.94		2 x 1.5 cm calcite bands @ 70° tca with graphite on edges (in dark argl) with

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		+ white siliceous lst with			small blebs pø/py
		10-20% ido			
		+ white woll bands to 5cm.			
		Bands @ 30-80° tca, occ argl			
		bands, f.g. dark grey, occ			
		xcut cc stringers			
		108.13-108.63 LAMPROPHYRE DYKE			
		@ 70° tca			
		110.55 -112.25 - unbanded grey			
		granular lst w rare dark			
		specks (argl?, carbon?) gives			
		granitic appearance			
		112.25-112.46 - banded light			
		grey skarny lst - banded			
		@ 60° tca, Some pale green			
		talc			
		112.46-114.09 - dk grey to black,	112.46	114.09	~1/2% pø/py blebs, rare cpy in pø
		finely laminated argl with			
		minor limey layers. Bands at			
		65° tca. Small idocrase xtals			
		for 1st 25cm. Some light			
		layers to 1cm have tremolite.			
		114.09-114.65 - swirly banded			
		grey + white lst, minor			
		siliceous layers.			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		114.65-114.85 - finely banded silicified lst @ 50° tca			
		114.85-118.61 DOLOMITE (?). looks like granular, coarse crystalline grey lst, massive, very weak fizz. Green, soft blebs throughout (talc?, chl?) Near 116.40 grades to massive, grey, fine grained, crystalline dolo with xcutting calcite veinlets to 2cm (1 every 20cm)	116.20	116.50	pø blebs to 2%, upto 1cm size
			116.50	118.60	<1% pø blebs within black blebs of chlorite? or FeOx?
		118.61-119.46 - finely laminated light, silicified lst as 114.65-85 Bands @ 65° tca, woll in light bands.			
		119.46-125.01 - dark grey, f.g. argl with some limey, silicified woll bands to 10cm, slightly brxx @ 122.49. Bands consistant @ 70° tca	119.46	125.01	diss pø, minor but increases near 122.85 with minor cpy in pø
		125.01-128.75 - Silicified lst (dolo?), banded @ 40-70° tca for 1st 1m with white woll bands. 20% grey bands, minor dolo, dk argl bands to 70%.	127.13	127.50	Argl blebs in silicified zone with 1% pø in blebs

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		After 1st 1m core becomes very siliceous (cherty?) with rare calcite rich layers, ido + woll.			
		128.75-129.73 grades from mass f.g. grey silicified dolo to more banded with increase in dark bands to regular silicified f.g. banded argl bands @ 70° tca at 129.40. Sm coarse tremolite (to 2cm) at 129.46. Last 3cm is brxx argl w. calcite in fractures along contact @ 60° tca	129.25	129.75	1/2% sm blebs diss pø
		129.73-134.70 BRXX ZONE - grades from light grey to black (calcite - talc to argl). Talc + cc gouge on fractures in 1st half with graphite + calcite + serpentine in 2nd half. Poorly visible argl bands in places. This section may represent a fault - totally fractured + resealed with cb but no gouge	@	129.96	18 cm qtz } fractured with small specks of black (Ag)?
			@	130.65	6 cm qtz
			@	131.00	8 cm qtz
			132.18	134.70	Sections of heavy py + minor pø. overall 2% but 10 cm sections of 20%
		@ 134.70 - contact 50° tca with 1/2 cm cc			

Diamond Drill Record

HOLE NO. 796-3 | Page 9 of 11

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		134.70-145.25 light & dark grey swirly, banded & massive lst. >50% is siliceous with abundant woll & occ ido.			
		@135.11- 20 cm felsic dyke (granitic) @ 45° tca with chill margins	@	135.11	pø specks in dyke
		@135.90- 15 cm warpy felsic granito dyke with narrow chill margin.			
		@136.80- 35 cm grey, massive xtalline lst			
		@139.08- 20 cm felsic intrusive dyke			
		139.38-140.71 - dk grey, >50% and light banded lst, some silica, many hairline x-fractures with calcite gives slightly brxx appearance.			
		140.71-145.25 - skarny, siliceous lst grading to skarny argl with many ido bands & woll. Bandins @ 45° tca.	143.66	145.20	pø/py in dark areas increases to 1% locally
145.25	151.15	ARGILLITE - some bandins @ 65° tca, ~30% limey or	145.25	151.15	pø/py to 5% near 1st part, decreasing to tr. @ end of section. Tr dk red &

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		silicified beds.			(black?) sph.
151.15	153.68	LIMESTONE - siliceous with			
		abundant woll, minor ido,			
		minor calcite stringers. Minor			
		grey lst and dark argl			
		bands @ 75° tca.			
@	153.68	CONTACT @ 65° tca			
153.68	201.78	ARGILLITE - light + dark	153.68	157.57	pø/py blebs in bands + fractures 2-5%,
		grey, f.g., generally finely			up to 20% in bands, rare sph or cpy.
		banded with some wider	157.57	158.56	Warpy qtz patches + blebs to 10%, includes
		light tremolite bands. Some			coarse (1cm) red sph blebs making
		sections are unbanded or			up 50% of qtz patches (5% of section)
		warpy	158.56	160.67	pø/py + 1/2-1% sph in small qtz stringers
		@158.50 bands @ 75° tca			coarse pø with sph has tr. cpy.
		@164.70 + 165.10 are 3cm	160.67	163.28	Tr sph, abundant coarse pø/py; tr cpy
		calcite/argl brxx bands	163.28	164.70	pø/py + 1/4% sph
		with pø	166.12	167.00	occasional 1cm qtz vein with coarse pø
		165.72 - 2cm white cc vein	167.00	169.19	minor pø/py blebs to 1cm in rare qtz,
		@ 40° tca			diss pø + tr cpy + tr sph in light bands.
		169.19-169.78 - brxx qtz vein			Pø to 3% overall.
		with graphite, brown chlorite	169.19	172.86	1% pø + minor py with heavier patches
		+ 2% pø @ 40° tca.			in veins
		170.83-171.06 - brxx qtz vein			
		with graphite + 5% pø @ 60° tca			
		171.16-171.21 - brxx qtz vein			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		with pø & chlorite @ 70° tca			
		171.37-171.39 - qtz vein with			
		chlorite @ 70° tca			
		171.47-171.55 - qtz vein with	@	172.35	heavy pø for 6cm with py + 2% cpy
		minor chlorite & minor pø	&	172.65	
		@ 70° tca	172.86	198.70	Minor pø, heavier locally, with py
		@ 179.39, 179.54, 181.13, 182.50, 185.50			sometimes to ~1%. Sph ~~[illegible]~~ <1/4%
		qtz blebs to 3cm or warpy			overall + rare ~~sph~~ cpy with pø to <1/4%
		qtz veins with rare sph/cpy	@	182	heavy pø
		+ pø.	@	183.10	heavy pø in lighter band with minor
		@ 180.84-181 - light green			py/cpy
		skarny bands			
		@ 185.10 - bands @ 35° tca	@	186.60	heavy pø with 2% cpy for 20 cm
		188.20-189.18 - slightly brxx	@	188.02	heavy pø with 1% cpy for 15 cm
		with xcutting calcite stwk	@	189.67	specks of red sph with py
		less sus. ~~in las~~ Last 15cm is			
		broken & gougy	@	190.62	heavy pø with minor sph in light
		192.63-193.33 and 194.44-195.19			band for 10 cm
		calcite stringers, white, 1-2	193.13	193.70	10% pø, tr cpy + sph in some bands
		cm running down ca.	194.44	195.15	1-2% pø, 1/2% specks cpy + sph
		@ 195m - bands @ 60-65° tca	@	195.74	1 cm py/cpy bleb
		@ 198.60 - 1.5cm talc-cb vein	195.74	201.78	1 cm py blebs (one per metre)
		at 50° tca, py blebs near vein	196.62	196.94	heavy pø, minor py + cpy
		@ 200m - bands @ 60°-70° tca	198.70	201.78	1/2% sus, but rare 1cm pø blebs with
		@ 201.5m - bands @ 35° tca			minor py + cpy

@ 199.80, 200, 200.25, 200.43 - pø blebs

Diamond Drill Record

PROPERTY: JERSEY
CLAIM NO. JERSEY 1
SECTION NO. 4650N, 12,750 E

LOCATION: 86+83N, 56+87E			
AZIMUTH: 283°	DIPS – collar –70°	CONTRACTOR: WESTGATE	
ELEVATION: 1380m (4530')	– m °	LOGGED BY: LINDA DANDY	
LENGTH: 167.94 m	STARTED: SEPT 8/96	DATE: SEPT 10-12, 1996	
CORE SIZE: NQ	COMPLETED: SEPT 11/96		

PURPOSE: TEST ZN-Cu-AG SOIL ANOMALY AND LIMESTONE BAND

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	~~3.96~~	ARGILLITE	0	8.40	limonite - few fresh sus
	18.25	0-3.96 - broken, rusty, fractured	@	5.30	1 cm qtz vein @ 80° tca with limonite
		FeOx + white stain			+ cpy specks to 1/2 cm
		3.96-9.95 - broken as above,	@	8.40	1-2% diss pø, minor py, rare sph or cpy
		less rusty, more white			in bands or veins
		stain + some calcite	9.50	10.00	qtz veins (1 per 10cm) with weathered
		Argillite is dark grey to black.			viggy py, sph to 1%
		f.g., finely laminated, skarny,			
		biotitic + tremolitic bands.	10.82	10.97	2% pø in qtz vein + light tremolite band
		Warpy qtz veins + blebs (1-3			
		per metre) to 1-2cm.	@	13.00	Py decreases, pø increases. Some cpy
		6.40-8.35 - brxx, slightly			with pø. Small specks red sph to 1/4%
		graphitic with calcite x-			in many bands
		stringers, FeOx, Fecb	@	15.34	<1% pø, tr py, cpy, sph
		@9m - bands warpy @ 40° tca	18.76	19.67	20% qtz-tremolite bands with pø/py
		@29.59m - slightly brxx with			+ 3% sph
		calcite xcutting white fractures	19.67	38.00	1-2% pø/py, 1/2% ~~cpy~~ sph - as small specks
		30.38-31.59 - increased qtz-			scattered throughout
		tremolite blebs + warpy bands	25.25	27.00	qtz blebs (to 2cm) 1 per 50cm with
		to 15%, sph increases to 1/2%.			tremolite, pø/py + minor sph.

Diamond Drill Record

HOLE NO. Z96-4 | Page 2 of 7.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@31.66 - 1cm calcite veinlet	@	27.00	minor pø/py, cpy, sph
		at 30° tca			
		to 37m - generally unbanded	37.48	38.33	>50% tremolite-graphite bands with
		or swirly bands, short well			sph/~~pø~~py, minor pø, cpy. Sph to 10%
		banded sections from 30-80° tca			
		@38.76 - 2cm calcite vein	@	38.76	for 6cm beside vein is heavy py/sph/pø
		@60° tca	38.00	53.30	1% pø/py, minor sph + cpy specks, Rare
		@40m - bands @35° tca			lg pø bleb in qtz or light band.
		@50m - bands @40° tca	44.79	45.10	tremolite band with graphite, 2% sph,
		45.92-47.21 - increase in xcutting			5% pø/py, tr cpy.
		stringers w. occ pø (1 per 10cm)			
		53.27-55.00 - increase in light			
		bands + xcutting calcite veining,			
		Slight increase in sus. Fractured,			
		broken, graphitic			
		55.00-62.21 - 30% swirly qtz	55.00	62.21	5% pø/py, 1% sph, 1/4% cpy mainly in
		layers. Occasional xcutting			qtz layers. @57.25 is 10cm band of
		calcite veinlet, graphite on			20% sph. Decreases after 58m to minor
		fractures.			sph + 1% pø/py
		@62.21 - banded @55° tca with	@	62.01	slight increase in red sph in light bands
		1 qtz vein per 50cm. Veins			and xcutting qtz veinlets
		are 1cm + foliaform			
		@63m - broken core			
		@65.76 - cc stringers run downca.			
		@66.14 - broken for 30cm			

Diamond Drill Record

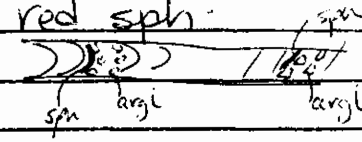
Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@70m - bands @45° tca	@	68.18	incr sph to 40% over 5cm tremolite-qtz
		near 73.86 - few narrow qtz	@	73.86	minor pø/py/sph
		stringers.	@	69.00	6 cm tremolite-qtz with 50% pø/sph
		@75m - bands @ 70° tca	@	70.95	increased sph to 15% for 5cm
		75.29-77.55 - white xcut cc	72.63	72.87	siliceous tremolite zone with 5% sph +
		stringers + few ½cm or less			10% pø/py.
		qtz veins (@76.93) w sph			
		76.93-77.55 - 50% qtz, last			
		20 cm is brxx with qtz-cb,			
		+ graph. Minor sus			
		77.55-78.05 - pale green-grey			
		gouge with talc/serpentine,			
		graphite, calcite + py blebs,			
		rare brilliant green specks.			
		78.05-78.57 - very brxx graphitic	78.05	78.57	minor py
		argl/qtz/cb, minor py, soft			
		+ gougy.			
		78.57-79.19 - less brxx but same			
		as last, py increases 2-3%			
		@79.19 - contact ~80° tca	79.19	80.13	1-2% sph, 10% py/pø in qtz sections
		79.19-80.13 - 20% qtz-rich fractured			
		argl.			
		@80.30 - Bands @ 30° tca			
		@ 84m - Bands @ 60° tca	@	82.43	7cm tremolite band @50° tca with 15% pø + 15% sph
		@84.01m - 2 cm foliated qtz vein	@	84.01	minor sus

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@86.98 - 1.5cm xcut qtz vein @	@	86.98	minor sus
		15° tca	82.71	82.87	2cm tremolite bands with 15% pø, 15% sph
		@90m - banding 30-40° tca	85.12	86.30	10% py/pø, couple of ½cm qtz veins with
		@91.02 - 6cm felsic dyke,			abundant red sph, 2x3cm qtz vein has
		altered & cc veined			50% pø/sph (black) @ 86.06
		@90.89 - broken with cc veins	87.70	88.00	10% pø
		for 25cm	@	88.30	pø blob with cpy
		@92.23 - 5cm cc brxx zone	88.82	89.24	15% pø in siliceous swirly banded zone
		vuggy @ 40° tca.	@	90.69	pø in bands with cpy
		@92.43 - 12cm light band @	@	92.43	increased pø, tr cpy
		60° tca	@	91.72	20% pø, minor cpy in 10cm band @ 30° tca
		@97m - bands @ 40° tca	92.79	93.17	heavy pø & tr cpy in light swirly bands
		@101.78 - 9cm felsic dyke(?) @	93.95	94.35	3% pø blebs & tr cpy along xcutting fractures
		65° tca, broken, altered (may	@	94.75	heavy pø blebs for 10cm
		be siliceous skarny 1st band)	95.32	95.48	heavy pø blebs (also at 98.00)
		@104.50 - bands @ 30° tca	@	97.75	50% red sph in 3mm qtz veinlet @ 45° tca
		106.50-113.25 - 30% limey light			+ other qtz nearby with pø/sph
		bands - some look skarny	@ 100.04		heavy pø in 3cm light band @ 50° tca
			@	100.28	heavy pø in 2cm qtz bleb
			@	101.92	several ½cm qtz band @ 60° tca with 50%
					pø/sph. Veins are warpy & discontinuous.
			102.52	102.71	15% pø/py in lighter slightly skarny bands
			103.54	103.63	1cm pø blebs & minor cpy in siliceous bands
			105.33	106.45	10% pø, ½% cpy, minor py in warpy light
					bands @ 75° tca. Sph 10% in 6cm band @ 106.17

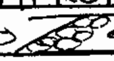
Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
			106.50	113.25	1-2% pø, tr py + cpy, minor rare black sph, in xcutting qtz stringers
113.25		CONACT-gradational bands @ 75° tca			
113.25	152.58	LIMESTONE - 1st 1m has some grey qtz warpy veinlets to 3cm. Banding varies 0-90° for over 2 metres, extremely folded throughout. Small offsets are visible along fractures.	@		
		113.25-116.53 - grey + white 50:50 silicified lst with 10% woll,	@	114.25	small patches red-brown sph in warpy band @ 60-70° tca.
		2-5% ido especially in last 30cm.	@	114.35	4 cm patch massive pø/cpy/sph in lst.
		116.53-119.56 - light to dark grey very warpy banded, coarse crystalline lst with minor ido + woll	116.53	119.56	1% pø/sph in darker bands
		119.56-128.00 - more silicified + finer grained, some well banded sections @ 80° tca + some unbanded warpy sections, minor woll in white bands, rare ido.			
		128.00-132.01 - more dark (argl) bands interlayered, ~~qt~~ siliceous Bands @ 75-85° tca. White bands have 1cm woll, one xcuts general banding.	128.00	132.01	Dark bands have 1-2% pø + rare cpy

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		132.04 - 132.64 - light + dark grey			
		crystalline, warpy banded	136.12	137.16	grey coarse crystalline lst with argl bands
		lst + some black graphitic patches			+ red sph
		132.64-145.08 - intermixed grey			
		granular warpy lst band +			
		silicified skarny woll/ido rich			
		lst. Approx 40% grey lst, 40%			
		skarny lst, 20% black argl (f.g).			
		This section is extremely			
		folded + distorted.			
		145.08-146.32 + 147.93-148.70 →			2% pø, tr cpy
		mainly f.g. argl with warpy			
		bands, after 145.08 section			
152.55	157.10	increases in dark argl to contact			
~~152.58~~	~~167.94~~	ARGILLITE - contact banded	152.58	167.94	2-5% pø + up to ½% cpy throughout
		@ 85° tca. Argl is dark grey,			(sus increase in siliceous bands)
		f.g., generally finely	152.58	152.70	10% pø
		laminated @ 90° tca for 1st			
		1 m. Rare hairline qtz stringers			
		xcut + are offset. Argl is			
		very siliceous.			
157.10	158.33	LAMPROPHYRE DYKE - 1st half			
		is broken (upper contact			
		not visible), many narrow			
		calcite stringers.			

Diamond Drill Record

HOLE NO. Z96-4 |

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
@	158.33	CONTACT @ 40° tca	158.33	158.43	py increase to 10% along fractures. After
158.33	167.56	ARGILLITE - as before dyke			158.63 pø/py again & rare red sph
		163.44-163.54 - silicified			speck, tr cpy in heavy pø areas
		@163m - bands @ 85° tca	159.23		1.5 cm band heavy pø/cpy
		165.67-166.17 - 3 bands 3-7cm	@	161.75	8cm heavy pø
		wide with grey silica (felsic	@	163.34	4 cm heavy pø
		dyke?) at 45° tca, broken	165.67	166.17	bands have 1/2% py specks
		& offset			
@	167.56	CONTACT @ 30° tca			
167.56	167.94	LAMPROPHYRE DYKE			
	arg →	 ← lamp.			

Hole No. Z96-5 Page 1 of 10

Diamond Drill Record

PROPERTY:	JERSEY Z 96-5
CLAIM NO.	KING ALFRED
SECTION NO.	8482N, 8550E

LOCATION: 98+42N, 43+07E			
AZIMUTH: —	DIPS – collar –90°	CONTRACTOR:	WESTGATE
ELEVATION: 1620m (4938')	– 180 m –85° to 270°	LOGGED BY:	LINDA DANDY
LENGTH: 182.58	STARTED: SEPT 28/96	DATE:	SEPT 30, OCT 8, 1996
CORE SIZE: NQ	COMPLETED: OCT 6/96		

PURPOSE: TEST D-ZONE NORTH EXTENSION + LOWER JERSEY HORIZON

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	2.71	CASING, no core			
2.71	6.25	LIMESTONE - light grey + white, rare tan, poorly banded @ 80° tca, mostly moderately crystalline			
6.25		CONTACT - broken			
6.25	8.53	DOLOMITE - poor recovery, only 1.05m core. grey to tan, very rusty, well banded @ 80° tca	6.25	8.53	very rusty with 5%+ galena + sph.
8.53		CONTACT - broken			
8.53	24.35	LIMESTONE - light + medium grey, weakly banded @ >60° tca, some f.g. massive sections, mosty coarse grained.			
24.35		CONTACT - broken			
24.35	52.35	DOLOMITE -	24.52	25.32	near massive (>50%) pø in skarny area with minor py/sph/gal (sph is reddish)
		24.45-26.70 - f.g. light grey to green, hard, massive, siliceous skarny dolo with tremolite	25.32	25.72	20% pø, minor py/sph in more skarny chlorite/tremolite/silica section.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		@27m - bands @ 55° tca	25.72	27.35	minor pø/sph blebs, dark green to black
		27.35-33.78 - well banded,			chlorite on fractures + in bands, brilliant
		generally pale orange, some			green specks on fractures.
		grey	27.35	33.78	rusty hairline bands throughout with
		After 28.28 - mostly crumbly			oxidized py/pø. 1st 1m has 2% each
		sugary orange.			pø, sph, gal
		@32.5m - bands @ 60° tca	33.35	33.53	2% brown sph in bands
		33.78-40.05 - light, medium	33.68	33.78	bands brown sph + minor gal to 1% comb.
		grained + dark f.g., finely	33.78	40.05	diss pø to <1% locally
		laminated bands at 60-65° tca	34.92	35.15	20% red sph bands
		Orangish Fe Cb sections at	35.46	35.51	20-30% red sph bands
		36.11 - 1.5cm, 36.36 - 37cm,	@	35.66	2cm band massive sph
		at 37.22 - 65cm, at 40.03 - 2cm	@	37.43	7 cm band near massive sph.
		@ 38m, - bands @ 75° tca	@	38.11	12cm band with 40° massive sph.
		40.11 - 40.45 - white band	40.11	40.45	<1% diss pø/sph
		41.18 - 42.37 - white + orange	39.33	39.55	3% sph/gal in bands
		f.g. band (<1% sus)			
		between bands is darker			
		banded rock as above	42.44	42.79	3% red sph, 5% pø, minor gal
		@43m - bands @ 75° tca	42.79	43.35	1-2% sph bands, minor pø
		42.37 - 43.39 - banded as above	43.35	43.84	1% diss pø, tr sph, in light unbanded section
		but more light bands			
		43.39 - 48.96 - mainly, mottled,	43.39	48.96	diss pø to 1% locally
		unbanded light + med grey			
		48.96 - 52.35 - banded, light +			

Diamond Drill Record

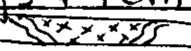
Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		dark @ 70° tca	@	50.90	8 cm red-brown sph bands to 15%
		Toward 52.35 - pale orange	51.25	52.18	1-2% sph bands
		bands increase			
		52.15-52.35 - slightly green			
		skarny			
52.35		CONTACT @ 70° tca			
52.35	53.61	LIMESTONE - light grey, med	53.38	53.61	minor po
		grained, fairly massive, last			
		23 cm is slightly skarny			
		with small garnet blebs			
53.61		CONTACT @ 80° tca with			
		pale green talc gouge, 5 cm			
		massive garnet, some diopside			
53.61	53.75	SKARN - 50% garnet, 40%	53.61	53.75	rare specks moly.
		diopside, 5% actinolite,			
		5% calcite			
53.75		CONTACT - 80° tca			
53.75	63.89	DOLOMITE -			
		53.75-54.15 - light ~~grey~~ orange +			
		grey bands @ 85° tca			
		54.15-57.25 - med. grey, f.g.,	@	55.44	6 cm with blebs of red-brown sph.
		massive to weakly banded,			
		rare skarny patch			
		57.25-58.63 - mottled light +	@	57.79	2 x 3/4 cm sph bands, then rare
		med. grey dolomite with some			sph for 30 cm.

Diamond Drill Record

HOLE NO. Z96-5 | Page 4 of 10

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		orange & green			
		58.63-61.98 - limey dolo, dark	58.63	61.98	<1% pø in bands
		grey, mottled to banded @			
		75° tca, grades at either			
		end of section into finer,			
		lighter dolo. Qtz & mostly			
		cb (white to tan) swirly			
		xcutting veinlets to 30% core			
		from 60.83-61.89	60.83	61.89	rare pø
		61.98-63.83 - f.g., unbanded			
		white & light orange grades			
		to dark grey down section.			
		10% cb & minor qtz veinlets			
		are warpy & xcutting.			
63.89		CONTACT @ 70° tca			
63.89	67.30	LIMESTONE - med grey,			
		massive to weakly banded			
		at 70-75° tca			
67.30		CONTACT - gradational over			
		20 cm @ 75° tca			
67.30	72.00	SKARN - white, light & dark			
		green, light brown (garnet),			
		dark brown (biotite) - may			
		be biotitic skarny argl.	68.22	70.64	2-5% pø along fractures & bands
		to 68.22 - light skarn with garnet			@60° tca (minor sph)

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		68.22-70.64 - green/brown			
		biotite/chlorite with many			
		fractures			
		70.64-72.00 - light green, f.g.,			
		with dk green actinolite			
		bands for last 40 cm, rusty			
		fractures runs down core			
72.00	79.14	DOLOMITE - light + med grey,			
		mottled, some weak bands			
		72-77.72 - limey dolo	72	77.72	rare speck pø
		77.72-79.14 - purer, f.g., dark	77.72	79.14	1-2% pø/sph in narrow bands
		grey, well banded dolo, bands			
		@80° tca - occ green skarn			
		band to 1cm.			
		74.96-75.40 - mafic fs porph.			
		dyke with white fs + 1cm			
		f.g chill margin 			
79.14		CONTACT - warpy @ 50° tca	@	79.14	pø blebs to 1cm along contact
79.14	83.54	SKARN - mottled, banded +	79.14	83.54	<< 1% pø as blebs or along bands
		warpy, pale green, mostly,			
		some biotite + actinolite/chl.			
83.54		CONTACT - broken @ 90° tca			
83.54	90.25	LIMEY DOLOMITE - (+ minor	@	89.19	8 cm with pø bands @ 80° tca
		skarn) to 87.61 - banded light			
		+ dark grey, f.g. bands @			

Diamond Drill Record

HOLE NO. 296-5 | Page 6 of 10

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		60-80° tca, some chlor			
		skarn bands			
		@ 85m - bands @ 65° tca			
		87.61-90.25 - mottled dark & light			
		with siliceous warpy veins			
		with chloritic margins			
		89.45-90.25 - increased chlorite	@	89.44	2.5 cm bands with >50% po
		& slightly skarny looking			
90.25		CONTACT @ 50° tca			
90.25	97.12	SKARN - biege, light & dark	90.35	97.12	po specks, blebs, bands & on fractures
		green & brown, generally			to ~1% with 10 cm sections up to 5%
		banded @ 85-90° tca, rare			
		garnet & diopside in mottled			
		patches @ 94.44-94.59, 94.91-			
		~~94.94~~ 95.01, 96.09-96.49	90.80	91.30	moly specks in dark green actinolite patches.
		90.73-92.66 - 3 cm light grey			
		silica vein (or felsic dyke?)			
		runs down core. Small dark			
		specks visible in vein			
97.12		CONTACT @ 65° tca warpy			
97.12	102.33	DOLOMITE - v.f.g. sugary,	@	99.68	2 cm bright pink rhodochrosite band with
		mainly white, occ dark			actinolite/chlorite edges & brown
		warpy bands @ high < tca			garnet patch @ 40° tca.
		Rare narrow dark green			
		actinolite (epidote?) band.			

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
102.33		CONTACT @ 45° tca			
102.33	103.57	LAMPROPHYRE DYKE - dk green, f.g., no biotite			
103.57		CONTACT @ 30° tca			
103.57	112.07	DOLOMITE - as before dyke, with dark bands increasing down section. Tan areas & granite patches @ 111m - bands @ 70° tca Dolo gets increasingly limey down section. Last 20cm is slightly skarny, pink & green.			
112.07		CONTACT - warpy @ 35-40° tca with 1cm pale green talc.			
112.07	113.75	FELSITE - (or QUARTZITE) white, f.g., siliceous, with small dark green specks to ½%	112.07	113.75	hairline fractures contain minor f.g. py & gal.
113.75		CONTACT - warpy @ 40° tca			
113.75	114.52	SKARN - (biotitic argl - Reno?) dark brown & med green banded @ 60° tca			
114.25		CONTACT - indistinct - may be 60° tca.			

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
114.52	116.55	FELSITE (or QUARTZITE)	114.52	116.55	½% pø specks
		pale green (skarny) siliceous	116		
		with rare dark specks. Mottled			
		appearance			
116.55		CONTACT @ 50° tca			
116.55	121.81	SKARNY ARGILLITE - biotitic	116.55	121.81	biotitic argl sections have 1-2% pø in
		dark brown layers, in green-			bands & on fractures. Garnet-diopside
		pink (diopside-garnet) skarn			sections have pø/py blebs to 1cm and
		Green-pink skarn @ 116.64-116.79,			MoS_2 specks in qtz or actinolite veins
		117.12-117.22, 117.47-117.67, 117.87-			
		119.28, 120.83-120.91.			
		@ 120m - bands @ 70° tca			
121.81		CONTACT - warpy @ 75° tca			
121.81	122.56	FELSITE (or QUARTZITE)	121.81	122.56	Sm specks py/pø
		small dark specks to ½%,			
		rare small garnet patches			
122.56		CONTACT 35° tca	@	122.56	MoS_2 selvage on contact.
122.56	128.53	SKARN, 60% diopside,	122.56	127.25	½% MoS_2 specks, 1% in garnet bands
		35% garnet, 5% biotite.			at 123.89-124.24. ½-1% pø as small
		minor cc mottled in garnet			blebs, occasional bands, minor py
		bands @ 30° tca.			
		1st 15cm has more biotite			
		124.96-125.33 - Felsic, f.g., grey			
		dyke @ 70° tca - garnet blebs.			
		after 127.25m - more banded	125.58		o qtz-cc veinlets with minor py, brxx twk

Diamond Drill Record

HOLE NO. Z96-5 | Page 9 of 10

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
142.73		CONTACT - chilled, indistinct			
142.73	178.94	ARGILLITE - skarny	~~@~~	~~142.73~~	
		mottled to finely banded, brown	142.73	178.94	pø/py in some bands, MoS_2 in narrow
		biotite + pale green diopside			qtz-cb stringers or on fractures.
		(or epidote?). Minor chlorite			
		+ talc. Very fractured - some			
		qtz-cb stringers.			
		Where banded - 70-80° tca			
		@147.12m - 7cm felsic dyke	@	147.12	moly on dyke edges
		@70° tca			
		@156.08m - 10cm qtz-rich			
		patch			
		Through entire section - >50%			
		of fractures are serpentinized			
		+ slickensided.			
		@168.47 - 13 cm felsic dyke			
		at 70° tca			
		169.71-173.62 - felsic dykes	169.71	173.62	minor moly along selvage in felsic dykes.
		+ veins to 30% section, siliceous,			
		warpy + straight, some xcut.			
		One 2-3cm vein runs down			
		core from 171.34 to 173.18.			
		@173.18 - rock getting very	173.18	174.90	<1% diss pø/py
		green due to alteration,			
		even dyke is becoming			

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		green & hard to see. Green alteration to 174.90.			
		174.90-178.94 - mainly brown biotitic argl-skarny, some green skarn, rare 1cm granite dyklets at 175.82, 175.84, 175.86, 176.32 all at 60° tca			
		177.64-177.79 - qtz-rich area (vein?) with 5% green chlorite, biotite @ 70° tca	177.64	177.79	1% py, 2% sph in vein
			177.54	178.94	increase py to 2-5% with minor po
178.94		CONTACT - warpy @ 45° tca roughly perpendicular to bedding			
178.94	182.58	GRANITE - up to 179.89 is fairly coarse grained, felsic with >50% qtz, minor f.s., chloritic hornblende? actinolite?, trace biotite.	178.94	179.89	1% py - fine diss patches & few small reddish specks (sph?)
		179.89-182.58 - med to f.g. still very felsic 1-2% altered mafics, rusty red specks, (FeCb or hem?)	179.89	EOH	occasional speck py + MoS_2.

Diamond Drill Record

HOLE NO. Z96-6	Page 1 of 5
PROPERTY: JERSEY	
CLAIM NO. SUNSHINE	
SECTION NO. 4900N, 6990E	

LOCATION: 86+85N, 37+64E		
AZIMUTH: —	DIPS – collar –90°	CONTRACTOR: WESTGATE
ELEVATION: 1350m (4437)	– m °	LOGGED BY: LINDA DANDY
LENGTH: 105.16	STARTED: OCT 8/96	DATE: OCT 9/13, 1996
CORE SIZE: NQ	COMPLETED: OCT 11/96	

PURPOSE: TO TEST A-ZONE EXTENSION + LOWER JERSEY HORIZON

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	~~44.71~~	LIMESTONE - grey + white,	@	4.76	15 cm with hairline rusty bands with py.
	51.87	massive to banded. Banding	5.55	6.37	hair line py bands (+/- sph) 1 per 10 cm
		generally 70° tca	@	8.97	hairline rusty band
		@3m fracture @ 15° tca offsets	@	10.50	" " "
		bands by 1.5 cm.	@	15.30	" " "
		@4.55 m vugs to 5cm	@	16.65	½ cm rusty py band
		21.77-23.42 - broken with	@	16.90	hairline rusty band
		rusty fractures, also at 24.38	@	17.17	" " "
		- 24.70.	18.73	19.17	rare hairline rusty bands 1 per 10 cm
		23.31-23.42 - rusty, pyritic, blebs	19.17	23.50	occasional fine pyrite bands
		+ 3 cm band @ 90° tca	@	23.14	5 x 10 cm siliceous grey bleb with
		24.02-24.12 - grey siliceous			10% py + FeOx.
		banding w. py, also at 25.25-25.30	24.80	25.30	½% diss py
		25.60-26.20 - rusty hairline	@	26.31	2 cm py band @ 70° tca
		bands (1 per 5 cm).	26.35	26.81	1% py in some bands
		@27.22 - fracture @ 15° tca	27.50	27.83	" " " " " - diss
		with slickensided calcite	28.02	28.14	30% py blebs + bands, 2-5% po
		28.02-46.60 - dolomitic looking	28.02	32.56	po/py bands to 5% locally, 1-2% overall, tr sph.
		in patches, rare light green	39.34	40.8	FeOx with py on fractures (1 per 15 cm
		slightly skarny bands well	42.5	44.80	[illegible]

Diamond Drill Record

HOLE NO. 296-6 | Page 2 of 5.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		banded @ 60-70° tca, rare	44.87	46.45	5% py/po, up to 1% sph, tr gal @ end of section.
		dark chlorite/serp fractures	@	45.15	2 cm rusty, vuggy po/py vein @ 75° tca
		@ 20° tca with slight offsets			
		44.87-46.45 warpy, silicified			
		lst, slightly skarny (minor			
		actinolite			
		46.88-48.19 - med grained lst	46.88	48.19	rare hairline py & minor sph band @ 80° tca
		with light orange oxidized	47.41	47.51	>50% po/py, minor sph, 1 speck gal
		patches & bands to 30%			
		46.45-51.42 - white, med grained	46.45	51.42	dark tarnished po/py + FeOx bands <1%
		xtalline lst	@	50.77	10 cm with 20% py banding, minor sph & gal.
		51.42-51.87 - Brxx lst, qtz-cb	50.87	51.42	Po/py + tr sph bands @ 75° tca 1 per 5 cm.
		flooded esp. last 30 cm. Fecb			
		& minor FeOx.			
51.87		CONTACT @ 50° tca with			} main West Fault ?
		3 cm black (chlorite?) smear			
		Very sharp slickensided contact			
51.87	64.04	DOLOMITE - pale orange to	@	52.39	5 cm py/sph band @ 60° tca between
		white brxx (crackle dolo			orange & grey brxx dolo.
		as at HB?)			
		51.87-52.39 brxx orange			
		dolo with minor FeOx bands			
		52.39-53.29 grey brxx dolo,	52.39	53.29	2% po/py with sph in brxx
		very broken, poor recovery,			
		includes 12 cm orange brxx			

Diamond Drill Record

HOLE NO. Z96-6 | Page 3 of 5

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		patch, minor fault gouge,			
		contacts for grey zone @ 60°tca			
		53.29-56.18 - grey + orange brxx	54.79	55.39	banded sulphides make 40% of section
		dolo, orange increase down section			+ include py/po, FeOx, 10% sph + 10% gal
		56.18-57.10 - grades from brxx	@	55.86	8 cm rusty patch, no fresh sus
		to banded @ 60°tca - still	56.90	57.37	>50% near massive galena with dolo
		grey + orange. Last 20cm is white			gangue, some vugs, minor sph. Fracture
		57.37-57.79 - light + dark			with 1cm offset runs down core.
		grey banded, brxx, dolo,	57.37	57.57	galena bands to 5%
		minor orange. Bands @ 75°tca	@		
		57.79-61.37 - white + pale	@	58.74	5 cm FeOx band @ 55° tca
		orange brxx dolo, minor grey,	57.79	61.37	<1/2% py, minor FeOx in brxx fractures
		quite broken esp @ 57.90 + for			
		last 1m.			
		61.37-62.17 - dark grey + minor	@	61.98	2 x 1/2 cm red sph blebs.
		white banded @ 45°tca, slightly			
		brxx.			
		62.17-64.04 - mainly white	62.17	64.04	occasional speck py
		massive dolo with minor green			
		bands, shallow fractures cause			
		<1 cm offsets			
64.04		CONTACT @ 50°tca, chloritic			
64.04	94.49	ARGILLITE - dark brown,	64.04	64.54	1-2% po/py on bands + in fractures
		biotitic to grey-green silicified			to 1cm.
		brxx + slightly skarny			

Diamond Drill Record

HOLE NO. Z96-6 | Page 4 of 5.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		64.04-64.54 - brown, chloritic + biotitic, soft, broken, altered, bands @ 50° tca.			
		@ 64.54 - pale green, siliceous (looks like brxx light grey quartz patches).			
		@ 67 m - 85° tca banding			
		67.65-68.87 - qtz vein @ 50° tca light grey, impure			
		@ 70.32 - 1.5 cm qtz, 10 cm gouge + brxx then 5 cm qtz with 1 cm py @ 45° tca			
		69.00-77.75 - very broken	69.00	77.75	rare moly on fractures, py in brxx surfaces to 1%
		@ 78.35 - pale grey-green siliceous skarn (quartzite?), very brxx,	78.35		< 1% py on fractures
		77.75-84.62 - dark green + brown skarny biotite, broken + brxx	77.75	84.62	rare < 1 cm qtz veins @ 30° tca with moly + py. Also rare moly on fractures.
		84.62-85.50 - brxx, siliceous, slightly gougy, pale green + light grey qtzy	84.62	85.50	occasional py + moly in brxx
		85.50-91.10 - mostly green + brown banded (@ 70° tca) skarny argl - still broken	87.13	87.28	broken qtz vein

Diamond Drill Record

HOLE NO. Z96-6 | Page 5 of 5.

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		91.10-94.49 - pale green siliceous	91.10	94.49	py + moly on fractures + in qtz veins
		brxx, gougy, qtz veined	91.95	92.25	qtz vein with tr moly @ 90° tca.
		skarny argl.			
94.49		CONTACT - grey-green gouge.			
94.49	105.16	GRANITE - 25% qtz, 65%			tr. moly at top of granite
		fs, 10% hb + minor biotite,			
		Weak epidote alteration			
		+ chlorite on mafics (ie			
		very weak propyllitic alteration)			
		sepp + chlorite on some			
		fractures.			
		98.12-98.27 - LAMPROPHYRE			
		DYKE @ 40° tca			

Diamond Drill Record

HOLE NO. 296-7	Page 1 of 3
PROPERTY: JERSEY	
CLAIM NO. SUNSHINE	
SECTION NO. 4900N, 6990E	

LOCATION: 86+85N, 37+64E		
AZIMUTH: 270°	DIPS - collar -75°	CONTRACTOR: WESTGATE
ELEVATION: 1350m (4437')	- m °	LOGGED BY: LINDA DANDY
LENGTH: 86.87m	STARTED: OCT 11/96	DATE: OCT. 14, 96
CORE SIZE: NQ	COMPLETED: OCT 13/96	

PURPOSE: TEST A-ZONE EXTENSION & LOWER JERSEY HORIZON

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	44.11	LIMESTONE - grey & white	0	21.08	rare rusty patches along bands up to
		generally banded @ 60° tca,			1 per 5cm.
		some coarser grained			
		massive white sections			
		21.08-23.64 - very broken			
		with rusty fractures	24.75	25.00	1/4% diss pø
		@25m - bands @ 75° tca	@	24.80	2cm py band with silvery Bi on edges & bright
		27.67-28.00 - brxx, Fecb &			green soft patches.
		FeOx zone runs down	25.00	26.76	f.g. diss pø & minor py, small patches pø to
		core axis - broken			1% total, tr red brown sph.
		26.00-32.60 - rare pale green	26.76	32.16	same as last but 2% pø, tr sph & gal @27.65m
		(talc?) patches & bands &	28.23	28.68	20% diss pø/py, tr sph in oxide
		along fractures.			
		29.68-31.30 - serp/chl on			
		fractures (generally low			
		< tca).			
		@33m - bands @ 70-80° tca	34.46	34.52	50% pø in 1cm bands @ 80° tca
		from 37m on, banding grey			
		& white becomes finer			
		laminated @ 80° tca.			

Diamond Drill Record

HOLE NO. Z96-7 |

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		39-41m - dolomitic f.g. black	39.09	40.84	10% diss py in fine dark dolomitic bands
		& white banded @ 80° tca	40.47	40.52	Near massive py band
		Last 1m of 1st is ~~silicified~~			* Last 6m of 1st is dolomitic
		slightly brxx & weakly fractured			
44.71		CONTACT - sharp @ 40° tca, broken			
		1st  dol			
44.71	60.43	DOLOMITE -			
		44.71-45.89 - mainly f.g., white	44.71	45.89	minor v.f.g. diss py & along fractures
		massive to slightly mottled,			
		end of section has orange cb.			
		45.89-47.10 - grey, banded to	45.89	47.10	minor py on brxx fractures
		mottled, slightly brxx, broken			
		around 46.90m.			
		47.10-48.64 - light grey-white	47.10	48.64	diss py on narrow rusty 1cm bands
		to pale orange with rare dark			1 per 15cm
		bands, massive, slightly broken	49.14	49.50	} minor small bands & patches of galena
		48.64-59.49 - light grey/white	*49.69	49.76	} in dark bands. 10% gal in those sections
		to light orange, banded to	48.64	51.98	Rusty py & minor sph bands 1 per 10cm.
		brxx, rare 10-20 cm bands	@	53.53	1 cm band sph & minor py @ 50° tca &
		with darker bands @ 45-60° tca.			1 4x2cm bleb of honey sph.
		59.49-60.43 - white, brxx,	59.49	60.43	py on fractures increases down section, last
		minor dark bands			15 cm is 15% py, minor pø/sph.
60.43		CONTACT @ 50° tca			
60.43	60.61	LAMPROPHYRE DYKE - mottled	60.43	60.61	2-5% small blebs py
		calcite-rich, dark green, chloritic			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
60.61		CONTACT @ 60° tca	~~60.4~~		
60.61	73.26	ARGILLITE - dark brown biotitic & darkgreen, chloritic, banded, broken, soft, gougy, brxx, Minor skarny patches, minor qtz. 60.61-63.61 - quite gougy throughout is some muscovite on fractures & as small veins (more near top of section)	60.61	73.26	py, minor pø on fractures & bands <<1/2%, tr moly.
73.26		CONTACT - broken			
73.26	78.01	QUARTZ VEIN - (minor argl inclusions) - slightly brxx 73.26-74.60 - pale grey-green broken with argl/chl inclusions	73.26	78.01	<1% py throughout, increases in broken sections
78.01		CONTACT - with gouge @ 70° tca			
78.01	79.81	ARGILLITE - faulty, green-brown, totally chloritic & soft, gousy, brxx, broken (GRANITE FAULT?).	78.01	79.81	tr. v.f.g. diss py.
79.81		CONTACT - with gouge @ 70° tca			
79.81	86.87	GRANITE - true granite as in Z96-6. 85.79-86.07 - LAMPROPHYRE DYKE @ 50° Tca.	79.81	86.86	tr diss py

Diamond Drill Record

HOLE NO. Z96-8	Page 1 of 3
PROPERTY: JERSEY	
CLAIM NO. JERSEY	
SECTION NO. 4090N, 7120E	

LOCATION: 84+55N, 38+09E		
AZIMUTH: —	DIPS - collar -90°	CONTRACTOR: WESTGATE
ELEVATION: 1305m (4282')	- m °	LOGGED BY: LINDA DANDY
LENGTH: 102.41	STARTED: OCT 17/96	DATE: OCT 19, 20/96
CORE SIZE: NQ to 64.92, BQ to 102.41	COMPLETED: OCT 19/96	

PURPOSE: TO TEST A-ZONE EXTENSION & LOWER JERSEY HORIZON

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	35.66	LIMESTONE - grey + white	15	21	rare speck f.g. diss py.
		banded, mottled, massive.	21	24	1% diss py, some very silvery
		Bands - generally 60° tca	24	27.50	<< 1/2% speck or band f.g. py.
		Minor FeOx on fractures from	27.50	30.75	1% py + tr sph in bands
		0-5m.	30.75	32.50	10-20% py bands with 2% brown sph.
		32.05-32.48 - rusty, broken,	32.50	35.50	1-2% po/py + tr sph? in bands
		~50% FeOx, tr py.			
		35.30-35.38 and 35.51-35.66			
		FeOx to 50%, tr py, bands			
		@70° tca.			
35.66	38.71	OXIDE - no visible contacts			
		-dark red-brown mud,			
		probably Zn ore.			
		38.66-38.71 - qtz - no orients.			
38.71	51.49	DOLOMITE - contacts not			
		visible, light grey + black			
		finely laminated @ 70-80° tca,			
		somewhat broken with rusty			
		fractures - poor recovery.			
		52.60-54.70 - no core, open vug			

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		39.12-43.89 - 40cm only core, rusty, muddy, broken			
		49.35-50.74 - more tan, bands @ 70° tca.	49.35	51.49	<< 1/4% py band or bleb
			54.70	54.86	oxide, 100% limonite (just below cave).
54.86	89.40	LIMESTONE - grey & white banded @ 35° tca	54.86	56.69	1% py/sph/pø in bands
		56.69-57.00 - OXIDE, red-brown mud			
		57.00-64.92 - grey & white bands @ 30-60° tca, rare greenish patches	57.00	64.92	bands @ 30-60° tca have 5% py/po & 1% sph, decreasing to 1-2% for last 2m
		61-62m - bands @ 10° tca			
		64.92-65.22 - OXIDE	65.22	67	rare rusty band with tr py.
		66.45-69.45 - rare rusty fracture running down core			
		@ 73m - bands 80-90° tca	78.78	78.89	heavy pø/py in band @ 65° tca
		76.20-76.72 - massive, white	80.01	81.86	py/pø, tr sph in narrow bands, 1 per 10 cm, some bands quite warpy
		85.66-85.86 - white qtz vein with minor Fe ox or cb at 45° tca	81.86	85.66	5% pø/py & tr sph(?) on bands 5-10 cm, occasionally up to 50% pø/py.
		85.86-86.20 - qtz blebs & veinlets to 30% of core			
		86.20-86.65 - slightly green, skarny			
		86.65-89.40 - bands 70-90° tca	86.65	89	very minor py

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
89.40	99.56	DOLOMITE - contact warpy	89.40	89.65	minor py on fractures (with serp)
		+ slightly brxx.	89.60	90.28	1% each gal + sph with py on fractures +
		to 90.28- white, mostly,			in bands to 2cm
		slightly brxx	90.28	91.02	>50% py > pø/sph + gal (sph+gal even %).
		91.02-92.73- banded @75° tca,	91.02	92.73	20% py/sph/gal with py > sph > gal, decreases
		some broken brxx sections,			at 91.50 to 1-2% overall, then increases
		minor vugs, dark grey getting			again for ~~the~~ last 20 cm
		lighter to end of section	92.73	94.40	50–100% sus (50% for last 80cm), py/po
		94.40-95.59- black + white bands			40%, gal 40%, sph 20%.
		@70° tca becoming brxx	94.40	95.00	1% gal/sph on fractures + hairline bands
		down section.			
		95.59-99.56- brxx, light + dark	95.59	99.56	~~5~~ py to 50% locally, in brxx is 5%
		grey			py on fracts, <1/2% sph (more if inside
		98.25-98.66-LAMPROPHYRE			massive py.
		DYKE-very chloritic, talcy,			
		biotite altered, calcite veins			
		+ gouge			
		98.86-98.98- interlayered argl,			
		totally chloritic + gousy			
		-last 7cm is qtz stwk			
99.56	102.33	GOUGE- ARGILLITE?, chloritic			
		grey-green, talcy, either very			
		altered faulty argl or lamp.			
102.33	102.41	GRANITE - broken pieces, <10%			
		mafics, coarse grained, qtz			
		+ fs. to 1cm.			

Diamond Drill Record

HOLE NO. UG96-1	Page 1 of 4
PROPERTY: JERSEY	
CLAIM NO. MARK TAPLEY	
SECTION NO. 6000N, 8625E	

LOCATION: 4200 X CUT		
AZIMUTH: 142°	DIPS - collar +68 °	CONTRACTOR: WESTGATE
ELEVATION: 1265 m (4150')	- m °	LOGGED BY: LINDA DANDY
LENGTH: 35.66 m	STARTED: JULY 12/96	DATE: JULY 15/96
CORE SIZE: BQ	COMPLETED: JULY 15/96	
PURPOSE: TEST GOLD-BISMUTH ZONE		

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	.34	LIMESTONE, grey + white crystalline			
.34	3.25	DOLOMITE, minor lst bands, f.g., grey + white, minor patches green skarn. Bands @ 3m is 40° tca.	.34	2.39	minor sph + gal bands to 2cm, <1% total, more in 1st 1m, minor pø blebs near gal, some sph bands xcutting
		2.39-2.76 - banded green skarn layers with contacts @ 70°	2.39	2.76	2% pø
3.25		CONTACT @ 20° tca			
3.25	6.80	SKARN, minor lst + dolo, green diopside, pink garnet, white calcite, black/dk green chlorite with swirly, warpy banding.	@	4.04	MoS_2 ~~bands~~ blebs in xcutting garnet band
		5.20-5.64 grey-green, f.g. limey skarn	5.20	5.64	5% py blebs + bands + minor pø
		5.64-6.37 green skarn with dark grey lst/dolo @ 45° tca	5.64	6.37	bands with gal to 2.5cm, also py, pø, sph - up to 10% total sulfides
		6.37-6.80 green + brown skarn with calcite	6.37	6.80	pø blebs + diss - W potential?

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
6.80	7.36	LIMESTONE - grey, white,			
		massive, small crystals			
7.36	11.82	DOLOMITE - grey + white	@	7.56	minor py bands @ 65° tca
		banded.	7.92	8.84	<1% aspy blebs in dolo + in xcutting
		Bands @ 7.92 is 60° tca			qtz veins
		9.00 is 35° tca	8.86	9.34	Band @ 35° tca with pø/py/sph/gal to
		11.70 is 80° tca			10% over 30cm mid section
		In banded areas, qtz veins			
		xcut banding @ ~ 35° tca			
		9.34-11.01 massive, f.g.,	9.34	10.01	<1% galena in fine bands @ 45° tca
		grey dolo.	10.01	11.82	rusty pø/py bands to 1% @ 55° tca
11.82		CONTACT @ 70° tca			
11.82	13.94	LAMPROPHYRE DYKE, med.			
		grey-green, competent, f.g.;			
		with 1-5% biotite laths			
		to 0.5cm, minor green diopside			
		or olivine, minor hornblende			
		near 13.94. 1st 40 cm is			
		chilled, pale green, no biotite,			
		small chlorite smears.			
13.94		CONTACT @ 55° tca			
13.94	17.06	DOLOMITE, with minor			
		lst			
		13.94-15.48 Brxx with siliceous	13.94	15.48	py in bands + on fractures to 5% locally,
		areas, minor green skarn.			minor pø + sph @ 14.63 & 14.85 last 30.

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		15.48-17.06 finely banded			has 10% py + red sph + lesser pø + gal.
		grey dolo with bands at 85° tca	15.48	17.06	tr. py / pø along fine bands
17.06	17.52	LIMESTONE, crystalline	17.06	17.52	tr py + aspy
		white, upto 50% qtz.			
17.52	29.58	MINERALIZATION			
		17.52-17.64 - massive aspy with calcite gangue.			
		17.64-17.82 - py/pø/aspy to 5% in xtalline lst - weakly banded at 60° tca			
		17.82-18.22 - >50% pø, 5% aspy, 1/2% cpy in qtz/cc gangue			
		18.22-18.34 - >50% py + aspy in qtz			
		18.34-18.67 - silicified lst with 50% pø/aspy (in equal amounts) + lesser py			
		18.67-18.98 - massive pø/py + minor cpy. Pø increases down section			
		18.98-19.65 - massive aspy			
		19.65-20.22 - xtalline massive light grey lst with aspy increasing down section to 50%			
		20.22-22.23 - massive aspy with bladed ~~chg~~ crystals up to 3 cm.			
		22.23-24.37 - lst with >50% aspy + py. Aspy > py generally except 23.20-23.84 where py = 60%, aspy = 10%. At 24.12-24.29 massive aspy.			
		24.34-26.68 - massive aspy/py in equal amounts with local increases in py.			
		26.68-27.50 - crystalline lst with diss aspy xtals to 20% locally, @ 27.10 to 27.21 massive aspy/py, py blebs to 5cm either side of massive section			
		27.50-28.67 - massive white crystalline lst with <1% fine diss py/aspy near 28.04			
		28.67 - lst/pø contact @ 15° tca			
		28.67-28.99 - massive pø with small patches cpy, also cpy along pø contact + in small fractures radiating from pø, cpy to 1%			
		28.99-29.57 - 25% pø, 1% cpy in xtalline lst increases to 50% pø in last 20 cm			

Diamond Drill Record

HOLE NO. UG96-1 | Page 4 of 4

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
29.57	35.66	LIMESTONE - white, mass. crystalline, 1st m is less crystalline, Poorly visible warpy light & dark bands at 30° to 80° tca	29.75	30.65	blebs of aspy / py, tr cpy & po to ~1%
			30.65	30.90	aspy increases to 10% with 2% py, both fine grained
			30.90	35.66	occasional py speck
		@34.49 5cm calcite band at 40° tca (crosscutting)	@	31.86	3 cm py bleb.
		@30.39 2.5cm brown, rusty mud seam @ 70° tca			

Diamond Drill Record

PROPERTY:	JERSEY
CLAIM NO.	MARK TAPLEY
SECTION NO.	6000N, 8625E
LOCATION:	4200 XCUT
AZIMUTH:	142°
DIPS - collar	+32°
- m	°
CONTRACTOR:	WESTGATE
ELEVATION:	1265m (4150')
LOGGED BY:	LINDA DANDY
LENGTH:	27.12m
STARTED:	JULY 15/96
DATE:	AUG 31/96
CORE SIZE:	BQ to 7.92, AQ to 27.12
COMPLETED:	JULY 18/96
PURPOSE:	TEST GOLD-BISMUTH ZONE

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	2.00	SKARN - garnet-diopside	0	2.00	1-4 cm pø/py pods (<1%)
		green, grey, white, red, podd			minor flecks MoS_2 (<0.5%)
		to roughly banded @ 60° tca			minor f.g. py to 1%
		Red-brown garnet clots, perv.			
		green diopside +/- serpentine			
		-5-10% garnet			
		@1.85 1 cm band coarse			
		mica (phlogophyte).			
		-weak pervasive carbonate			
		@0.44 slickenside on fracture			
		at 40° tca			
2.00		CONTACT - gradational over			
		20 cm @ 70° tca			
2.00	3.84	DOLOMITE - grey to white,	2.00	3.56	finely banded pø/py to 1%
		massive to banded @ 45° tca			
		2.00-3.56 - sugary & silicified			
		@3.56 ~~St~~ slickensides @ 40° tca			
		3.56-3.84 - banded @ 70° tca			
		green blebs (apatite/epidote?)			

Diamond Drill Record

HOLE NO. 4696-2 | Page 2 of 3

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
3.84		CONTACT - warpy @ 60°tca			
3.84	4.66	SKARN - green diopside	3.84	4.66	pø/py diss + on fractures to ~1%
		+ lesser brown garnet with			
		occasional qtz-cc stringers			
4.66		CONTACT @ 45° tca	4.66		1cm band massive pø/sph/gal along
					contact
4.66	10.68	DOLOMITE, grey, generally	4.66	5.16	5% pø /sph + apatite? (sph to 2%)
		massive, some banding at	5.16	5.82	Near massive sph, some pø/py, minor gal
		45-60° tca. ~~Well~~ 1st 1m	5.82	5.90	silicified with 50% pø
		is white, silicified dolo.	6.13	6.21	8 cm qtz vein with 2% py
		@7.18 sharp contact @65°tca	6.66		2 cm band massive pø/py, diss
		between med-grey mineralized			sph for 5cm.
		section + light grey relatively	6.88	7.18	20%sph, minor py/gal + 5% pø
		unmineralized section	@	7.20	minor diss aspy
			@	7.44	py band
			7.60	7.84	5% py, 5% sph/gal, 2% pø
			7.84	10.68	1-2% py, minor pø, sph.
			@	10.50	2 cm massive pø band
10.68		CONTACT - ground			
10.68	12.55	LAMPROPHYRE DYKE - green			
12.55		CONTACT @ 35° tca			
12.55	19.20	DOLOMITE - light + dark	@	14.02	py blebs
		grey, sometimes banded.	@	15.70	sph band
		1st metre banded @ low angle	16.18	16.61	20% banded py/pø/sph.
		silicified	16.61	17.00	broken qtz vein with py/pø

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
			17.00	17.16	occasional py band
			18.05	18.20	qtz patches with 2% py + minor Bi
			18.58	19.20	2% py/pø/sph.
19.20	21.60	MINERALIZATION - sulphides in a siliceous zone. (looks qtz or somewhat like a granular felsic intrusive) last 30 cm is skarny. Contacts gradational.			
		19.20-19.30 - massive pø lesser py.			
		19.43-19.73 - 50% coarse py/pø in qtz.			
		19.73-20.07 - 5-10% py, minor pø diss throughout, tr. Bi			
		20.07-20.29 - 1cm bands of py @ 45° tca, more silicified, minor pø + Bi			
		20.29-20.85 - same as 19.73 to 20.07 with increase Bi (or aspy).			
		20.85-21.60 - massive pø in skarn with minor py, cpy + aspy			
21.60	27.12	DOLOMITE, silicified, med. grey, fairly f.g. and massive with occasional skarny patches @ 25.68 + 25.90. 2 cm wollastonite band @ 23.23.	21.60	27.12	Py diss as small cubes + minor diss f.g. pø to 1% throughout

Diamond Drill Record

PROPERTY: JERSEY	
CLAIM NO. MARK TAPLEY	
SECTION NO. 6000N, 8625E	

LOCATION: 4200 XCUT		
AZIMUTH: 105°	DIPS – collar +65 °	CONTRACTOR: WESTGATE
ELEVATION: 1265m (4150')	– m °	LOGGED BY: LINDA DANDY
LENGTH: 32.00 m	STARTED: JULY 19/96	DATE: SEPT. 4/96
CORE SIZE: AQ	COMPLETED: JULY 21/96	
PURPOSE: TEST GOLD-BISMUTH ZONE		

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
0	2.43	DOLOMITE – grey + white banded @ 80° tca. last 20 cm has increased dark bands. Occasional skarn blebs	0	2.43	occasional pø/sph bands @ 80° tca
2.43		CONTACT @ 50° tca			
2.43	4.96	SKARN, 1st 50 cm has interlayers of grey lst. Skarn is diopside with lesser garnet.	2.43	4.96	minor pø + MoS_2 blebs
4.96		CONTACT @ 40° tca			
4.96	6.37	DOLOMITE – grey + white warpy bandins @ <20° tca	4.96	6.37	occasional pø/py specks
6.37		CONTACT – broken			
6.37	7.53	SKARN – hard, garnet-diopside, occasional qtz-ca stringers xcutting. last 15 cm grades into silicified dolomite	6.37	7.53	diss pø to 1%
7.53	9.42	DOLOMITE – with skarny + siliceous patches, weak	7.53 ~~9.32~~	7.73	massive gal + sph
			7.73	9.3?	occasional pø/py + sph

Diamond Drill Record

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
		dark banding @ 60-70° tca	9.32	9.42	massive pø
9.42		CONTACT @ 50° tca			
9.42	10.99	LAMPROPHYRE DYKE - med			
		grey-green with black biotite			
10.99		CONTACT - broken			
10.99	15.15	DOLOMITE, fine grained,	10.99	11.54	minor blebs py & aspy
		white.			
		@ 11.54 grades to light &	11.54	15.15	py/pø blebs to 1% overall
		dark grey banded @ 80° tca	@	12.73	5 cm aspy
		and some sugary dolomite.	@	14.50	10 cm massive pø with cpy
		Minor green skarny blebs.	@	15.00	heavy py, minor pø & cpy
15.15		CONTACT - broken			
15.15	15.65	QUARTZ VEIN - with	15.15	15.65	occasional patches silvery Bi (or aspy)
		inclusions of silicified			
		dolo, vein is milky white			
15.65		CONTACT - broken			
15.65	16.94	DOLOMITE - light grey,	15.85	15.95	heavy py
		f.g. with patches of	16.70		6 cm qtz vein with py & minor Bi
		skarn			
16.94		CONTACT @ 80° tca			
16.94	18.11	QUARTZ VEIN - milky	16.94	17.10	> 50% pø
		white, occasional skarny	17.10	17.40	grades to 20% py & Bi
		patches	17.40	17.45	massive pø w minor py & tr cpy
			17.45	17.55	20% py/pø & Bi
			17.55	18.11	?-10% Bi (derease down section)

Diamond Drill Record

HOLE NO. UG96-3 Page 3 of 4

Section from m	Section to m	ROCK DESCRIPTION	Interval from m	Interval to m	ALTERATION, MINERALIZATION etc.
18.11		CONTACT @ 60° tca			
18.11	22.54	LIMESTONE - skarny			
		grey to green, unbanded,			
		occasional brown garnet			
		patches, 1st 30 cm is			
		brown garnet & pale green			
		diopside skarn			
		18.92-19.37 - dark biotitic argl.	18.92	19.37	minor diss pø
		19.81-19.91 - skarn			
		20.06-20.38 - dark & light green			
		and brown garnet skarn			
		21.33 - 5 cm qtz vein with			
		silvery sericite			
		21.38-21.48 - qtz vein @ 40° tca			
		with sericite			
22.54		CONTACT - gradational			
22.54	32.00	SKARN - brown (biotitic)	22.54	32.00	diss pø throughout to 1% locally
		and green diopside skarn			
		23.95-24.48 green limey	23.95	24.48	2% diss pø
		Skarn - contacts 70° tca			
		24.94-25.35 - light green skarn	24.94	25.35	2-3% pø
		contact with biotite skarn			
		grades over 2 cm @ 70° tca			
		26.26-27.15 - light green &	26.26	27.15	increase pø to 2%, occasional py blebs
		occasional green skarn			

Diamond Drill Record

HOLE NO. U696-3	Page 4 of 4

Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.
from m	to m		from m	to m	
		31.30-32.00 med to dark green & occasional brown skarn with yellow cb patches	31.30	32.00	pø to 2%

12.0 APPENDIX D

DRILL CORE RECOVERIES AND SAMPLE INFORMATION

HOLE #	RECOVERIES					SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
UG96-1	0	2.43	94	21	0.34	2.43	2.09	0.17	0.53		2.5
UG96-1	2.43	3.96	94	15	2.43	3.25	0.82				
UG96-1	3.96	5.49	93	9	3.25	5.2	1.95				
UG96-1	5.49	7.01	92	20	5.2	6.37	1.17	1.25	1.5		8
UG96-1	7.01	7.92	97	15	6.37	6.8	0.43				
UG96-1	7.92	8.84	100	12	6.8	7.92	1.12				
UG96-1	8.84	10.36	95	6	7.92	8.84	0.92				
UG96-1	10.36	11.89	93	13	8.84	10.01	1.17				
UG96-1	11.89	13.11	85	4	10.01	11.11	1.1				
UG96-1	13.11	14.63	100	6	11.11	11.82	0.71				2.7
UG96-1	14.63	15.24	89	4	13.92	14.47	0.55		6.09		
UG96-1	15.24	16.76	97	14	14.47	15.57	1.1		0.13		
UG96-1	16.76	18.29	100	10	15.57	17.14	1.57			1.8	6.5
UG96-1	18.29	19.81	82	5	17.14	18.22	1.08			1.34	68
UG96-1	19.81	21.03	89	6	18.22	19.65	1.43				0.34
UG96-1	21.03	22.86	74	5	19.65	20.22	0.57			6.5	32.7
UG96-1	22.86	23.47	87	0	20.22	22.23	2.01			1.21	20.7
UG96-1	23.47	24.99	100	5	22.23	23.84	1.61			1.84	20.9
UG96-1	24.99	26.52	100	6	23.84	24.99	1.15			2.75	19.2
UG96-1	26.52	28.04	100	8	24.99	26.68	1.69			1.45	37.1
UG96-1	28.04	29.26	94	3	26.68	27.6	0.92			0.34	
UG96-1	29.26	30.78	99	8	27.6	28.67	1.07			7.45	26.4
UG96-1	30.78	32.31	93	7	28.67	29.58	0.91			0.57	7.2
UG96-1	32.31	33.83	99	7	29.58	30.4	0.82	0.91		0.84	171.7
UG96-1	33.83	34.14	97	1	30.4	30.94	0.54				
UG96-1	34.14	35.66	100	6	30.94	32.31	1.37				
UG96-1					32.31	33.83	1.52				
UG96-1					33.83	35.66	1.83				
UG96-2					0	2	2				
UG96-2					2	3.56	1.56		0.23		
UG96-2					3.56	4.12	0.56				
UG96-2					4.12	4.88	0.76		0.33		2.9
UG96-2					4.88	5.16	0.28	0.28	3.08		
UG96-2					5.16	5.25	0.09	2.25	10.63		10
UG96-2					5.25	6.13	0.88	0.98	11.53		7.4
UG96-2					6.13	7.19	1.06		0.37		2.3
UG96-2					7.19	7.92	0.73	0.48	0.63		6.7
UG96-2					10.36	10.68	0.32				
UG96-2					12.55	13.27	0.72				
UG96-2					13.27	13.9	0.63				
UG96-2					13.9	14.22	0.32				3.9
UG96-2					14.22	16.18	1.96				
UG96-2					16.18	17.16	0.98		1.95		5.9
UG96-2					17.16	18.75	1.59				
UG96-2					18.75	19.2	0.45				

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
UG96-2					19.2	20.29	1.09			0.14	9.1
UG96-2					20.29	20.85	0.56				
UG96-2					20.85	21.6	0.75				
UG96-2					21.6	23.16	1.56				
UG96-2					23.16	24.69	1.53				
UG96-2					24.69	26.21	1.52				
UG96-2					26.21	26.88	0.67				
UG96-3					1.19	1.96	0.77	0.12	0.2		4.4
UG96-3					1.96	2.31	0.35				
UG96-3					2.31	2.88	0.57		0.13		
UG96-3					2.88	4.89	2.01				
UG96-3					4.89	6.31	1.42		0.21		
UG96-3					6.31	7.55	1.24				
UG96-3					7.55	8.18	0.63	2.93	6.67		149.2
UG96-3					8.18	9.44	1.26	0.24	0.38		14.3
UG96-3					9.44	10.96	1.52				
UG96-3					10.96	12.5	1.54				
UG96-3					12.5	12.85	0.35			0.43	6.1
UG96-3					12.85	14.41	1.56				
UG96-3					14.41	15.1	0.69		3.43	0.25	6.3
UG96-3					15.1	16.95	1.85		0.79		14.1
UG96-3					16.95	18.13	1.18	0.15		2.28	71.6
UG96-3					18.13	19.81	1.68				
UG96-3					19.81	21.38	1.57				
UG96-3					21.38	21.68	0.3				
UG96-3					21.68	22.53	0.85				
UG96-3					22.53	24.7	2.17				
UG96-3					24.7	25.37	0.67				
UG96-3					25.37	27.13	1.76				
UG96-3					27.13	31.27	4.14				
UG96-3					31.27	32	0.73				
G96-1	3.96	5.79	97	>20	3.96	5.79	1.83				
G96-1	5.79	7.32	89	18	5.79	7.32	1.53				
G96-1	7.32	8.84	100	21	7.32	8.37	1.05				
G96-1	8.84	10.36	99	21	8.37	9.04	0.67				
G96-1	10.36	12.19	95	21	9.04	10.36	1.32				
G96-1	12.19	13.72	90	12	10.36	12.19	1.83				
G96-1	13.72	14.33	100	8	12.19	13.91	1.72				
G96-1	14.33	16.15	100	18	13.91	14.54	0.63				
G96-1	16.15	17.98	100	14	14.54	16.15	1.61				
G96-1	17.98	21.03	92	>20	16.15	17.98	1.83				
G96-1	21.03	22.25	100	>20	17.98	19.44	1.46				
G96-1	22.25	24.99	100	28	19.44	20.83	1.39			0.1	
G96-1	24.99	26.21	95	12	20.83	22.25	1.42			0.14	
G96-1	26.21	27.13	100	8	22.25	23.63	1.38				
G96-1	27.13	27.71	100	10	23.63	24.99	1.36				

HOLE #	RECOVERIES				SAMPLES				RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
G96-1	27.71	30.78	99	25	24.99	26.21	1.22				
G96-1	30.78	32.92	100	19	26.21	27.49	1.28				
G96-1	32.92	35.97	100	22	27.49	28.04	0.55				
G96-1	35.97	36.88	93	4	28.04	29.2	1.16				
G96-1	36.88	39.01	86	14	29.2	30.78	1.58				
G96-1	39.01	40.54	88	21	30.78	32.26	1.48				
G96-1	40.54	43.59	94	24	32.26	33.42	1.16				
G96-1	43.59	46.63	100	19	33.42	34.67	1.25				
G96-1	46.63	49.68	99	17	34.67	65.62	30.95				
G96-1	49.68	52.12	97	23	65.62	36.41	-29.21				
G96-1	52.12	55.17	98	16	36.41	38.36	1.95				
G96-1	55.17	58.22	98	19	38.36	39.48	1.12				
G96-1	58.22	61.26	100	12	39.48	40.86	1.38				
G96-1	61.26	63.4	99	11	40.86	42.02	1.16				
G96-1					42.02	43.51	1.49				
G96-1					43.51	44.94	1.43				
G96-1					44.94	46.37	1.43			0.18	
G96-1					46.37	47.72	1.35				
G96-1					47.72	49.17	1.45				
G96-1					49.17	50.58	1.41				
G96-1					50.58	52.12	1.54				
G96-1					52.12	53.44	1.32				
G96-1					53.44	54.63	1.19				
G96-1					54.63	56.35	1.72				
G96-1					56.35	57.33	0.98				
G96-1					57.33	58.22	0.89				
G96-1					58.22	59.44	1.22				
G96-1					59.44	60.57	1.13				
G96-1					60.57	62.07	1.5				
G96-1					62.07	63.4	1.33				
G96-2	3.66	5.79	100	12	5.79	7.65	1.86				
G96-2	5.79	8.84	100	17	15.24	16.76	1.52				
G96-2	8.84	10.97	100	16	18.03	20.22	2.19				
G96-2	10.97	13.72	93	>20	22.24	24.24	2				
G96-2	13.72	15.24	100	8	24.24	25.04	0.8		0.1		
G96-2	15.24	16.76	100	10	29.48	31.7	2.22				
G96-2	16.76	19.2	100	9	31.7	32.54	0.84				
G96-2	19.2	21.64	92	18	32.54	33.92	1.38				
G96-2	21.64	23.47	99	>20	33.92	35.3	1.38				
G96-2	23.47	26.52	100	17	35.3	36.74	1.44				
G96-2	26.52	28.65	99	14	36.74	37.98	1.24				
G96-2	28.65	31.7	99	17	39.19	40.82	1.63				
G96-2	31.7	32.61	81	5	45.17	46.31	1.14				
G96-2	32.61	34.75	100	10	48.07	49.53	1.46				
G96-2	34.75	35.97	100	5	52.11	53.2	1.09				
G96-2	35.97	38.71	100	19	54.75	55.93	1.18				
G96-2	38.71	40.54	100	14	55.93	57.11	1.18				

HOLE #	RECOVERIES				SAMPLES				RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
G96-2	40.54	40.84	100	5	59.63	61.14	1.51				
G96-2	40.84	43.89	97	9	61.14	62.4	1.26				
G96-2	43.89	46.94	100	15	62.79	64.44	1.65		0.14		
G96-2	46.94	47.55	69	4	64.44	65.84	1.4				
G96-2	47.55	50.6	100	10	66.67	67.91	1.24				
G96-2	50.6	53.64	100	9	69.66	71.1	1.44				
G96-2	53.64	56.69	100	16							
G96-2	56.69	59.74	100	15							
G96-2	59.74	62.79	100	9							
G96-2	62.79	65.84	100	13							
G96-2	65.84	66.14	47	0							
G96-2	66.14	69.19	98	8							
G96-2	69.19	72.24	100	14							
G96-3	4.88	7.92	100	18	4.44	5.22	0.78				
G96-3	7.92	10.97	99	10	19.54	20.97	1.43				
G96-3	10.97	14.02	97	19	20.97	22.05	1.08			4.12	6.9
G96-3	14.02	17.07	100	13	22.05	23.16	1.11			0.14	
G96-3	17.07	20.12	100	10	23.16	24.77	1.61				
G96-3	20.12	23.16	93	14	28.65	29.56	0.91				
G96-3	23.16	26.21	100	16	31.7	32.8	1.1				
G96-3	26.21	28.65	100	>20	32.8	34.22	1.42				
G96-3	28.65	30.18	100	>20	34.22	35.63	1.41				
G96-3	30.18	31.7	100	17	41	43.11	2.11				
G96-3	31.7	33.53	100	11	43.11	45.01	1.9				
G96-3	33.53	35.36	100	9	45.01	45.88	0.87				
G96-3	35.36	37.8	100	14	45.88	47.17	1.29				
G96-3	37.8	40.54	100	15	50.95	52.52	1.57				
G96-3	40.54	43.59	95	16	52.52	54.31	1.79				
G96-3	43.59	46.63	100	13	54.31	56.08	1.77				
G96-3	46.63	49.38	100	7	56.08	57.92	1.84				
G96-3	49.38	52.43	100	15	57.92	59.13	1.21		0.11		
G96-3	52.43	53.65	94	7	59.13	61.21	2.08		0.13		
G96-3	53.65	55.17	100	10	61.21	64.17	2.96				
G96-3	55.17	56.08	97	6	64.17	66.45	2.28				
G96-3	56.08	59.13	100	>20							
G96-3	59.13	60.96	100	>20							
G96-3	60.96	62.79	100	>20							
G96-3	62.79	66.45	95	>20							
G96-4	3.96	5.18	100	>20	3.96	5.18	1.22				
G96-4	5.18	8.23	99	27	5.18	6.57	1.39				
G96-4	8.23	9.14	86	9	6.57	8.09	1.52				
G96-4	9.14	10.06	100	14	8.09	9.49	1.4				
G96-4	10.06	10.97	100	>20	9.49	10.97	1.48				
G96-4	10.97	12.19	100	16	10.97	12.29	1.32				
G96-4	12.19	12.8	100	11	12.29	13.47	1.18				
G96-4	12.8	13.72	100	>20	13.47	14.81	1.34				

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
G96-4	13.72	14.94	100	>20	14.81	15.95	1.14				
G96-4	14.94	15.24	100	13	15.95	17.07	1.12				
G96-4	15.24	15.55	100	9	17.07	18.29	1.22				
G96-4	15.55	15.85	100	3	18.29	19.2	0.91				
G96-4	15.85	17.07	100	>20	19.2	21.08	1.88				
G96-4	17.07	17.68	100	16	21.08	23	1.92				
G96-4	17.68	18.29	100	17	23	24.66	1.66				
G96-4	18.29	19.2	100	6	24.66	26.22	1.56				
G96-4	19.2	21.03	100	16	26.22	27.64	1.42				
G96-4	21.03	22.25	100	11	27.64	28.19	0.55			0.11	
G96-4	22.25	25.3	100	16	28.19	30.78	2.59			0.11	
G96-4	25.3	27.74	97	19							
G96-4	27.74	30.78	94	16							
G96-5	0	3.35	63	>20	14.22	15.29	1.07				
G96-5	3.35	4.15	100	4	18.44	19.51	1.07				
G96-5	4.15	7.01	100	18	127.9	128.85	0.95				
G96-5	7.01	10.06	100	16	128.85	129.85	1				
G96-5	10.06	13.11	100	17	129.85	130.98	1.13	0.2	3.33		5.1
G96-5	13.11	13.72	72	4	130.98	131.83	0.85		0.19		
G96-5	13.72	14.63	81	9	138.85	140.12	1.27				
G96-5	14.63	15.85	100	7	140.12	141.47	1.35		0.25		
G96-5	15.85	16.46	97	0	141.47	142.53	1.06				
G96-5	16.46	19.51	100	10	142.53	144.06	1.53				
G96-5	19.51	20.73	100	4	144.06	145.25	1.19				
G96-5	20.73	23.77	100	10	154.37	155.6	1.23				
G96-5	23.77	26.82	100	8	158.84	160.58	1.74				
G96-5	26.82	29.87	100	11	166.07	167.07	1				
G96-5	29.87	31.39	56	>20	167.07	168.16	1.09			0.55	3.7
G96-5	31.39	31.7	100	11	168.16	169.39	1.23				
G96-5	31.7	32.31	100	6	169.39	170.7	1.31				
G96-5	32.31	33.83	56	>20	170.7	171.7	1			0.23	2.3
G96-5	33.83	35.97	100	19	171.7	172.7	1			0.11	
G96-5	35.97	39.01	100	8	172.7	173.7	1			0.11	
G96-5	39.01	41.15	93	5	173.7	174.7	1			0.18	2.1
G96-5	41.15	42.98	92	>20	174.7	175.7	1			0.52	3
G96-5	42.98	46.02	100	>20	175.7	176.7	1			0.19	
G96-5	46.02	48.46	100	13	176.7	177.7	1			13.71	2.6
G96-5	48.46	51.51	100	10	177.7	178.7	1			2.94	3.4
G96-5	51.51	53.64	100	10	178.7	179.7	1			0.45	
G96-5	53.64	56.69	99	8	179.7	180.61	0.91				
G96-5	56.69	59.74	99	7	180.61	181.42	0.81				
G96-5	59.74	62.79	100	16	183.55	185.27	1.72				
G96-5	62.79	65.84	100	9	188.05	189.58	1.53				
G96-5	65.84	68.88	99	15	189.58	191.06	1.48				
G96-5	68.88	71.93	100	15	191.06	193.22	2.16				
G96-5	71.93	74.37	100	9	193.22	194.16	0.94				
G96-5	74.37	77.11	100	26	194.16	195.65	1.49				

HOLE #		RECOVERIES				SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
G96-5	77.11	80.16	100	17	195.65	196.62	0.97				
G96-5	80.16	81.38	100	10	196.62	198.44	1.82				
G96-5	81.38	84.12	100	10	198.44	200.49	2.05				7.6
G96-5	84.12	87.17	100	9	200.49	201.17	0.68				
G96-5	87.17	90.22	99	8	201.17	203.04	1.87		0.11		
G96-5	90.22	93.27	99	8	203.04	204.89	1.85				
G96-5	93.27	96.32	100	13							
G96-5	96.32	99.36	100	7							
G96-5	99.36	102.41	100	7							
G96-5	102.41	105.46	100	11							
G96-5	105.46	108.51	81	12							
G96-5	108.51	110.34	94	5							
G96-5	110.34	113.39	100	12							
G96-5	113.39	116.43	100	12							
G96-5	116.43	119.48	100	11							
G96-5	119.48	122.53	100	7							
G96-5	122.53	125.58	100	14							
G96-5	125.58	128.63	100	14							
G96-5	128.63	131.67	100	18							
G96-5	131.67	134.72	100	18							
G96-5	134.72	137.16	85	>20							
G96-5	137.16	138.26	86	13							
G96-5	138.26	138.68	81	3							
G96-5	138.68	141.43	97	9							
G96-5	141.43	144.48	100	14							
G96-5	144.48	147.52	100	10							
G96-5	147.52	149.53	96	13							
G96-5	149.53	150.27	100	5							
G96-5	150.27	153.31	100	16							
G96-5	153.31	155.75	93	14							
G96-5	155.75	157.58	96	14							
G96-5	157.58	160.32	100	11							
G96-5	160.32	163.27	100	12							
G96-5	163.27	164.59	82	4							
G96-5	164.59	167.64	100	12							
G96-5	167.64	170.69	100	17							
G96-5	170.69	173.74	100	14							
G96-5	173.74	176.78	100	14							
G96-5	176.78	179.83	99	19							
G96-5	179.83	182.58	97	9							
G96-5	182.58	183.18	72	0							
G96-5	183.18	186.23	100	5							
G96-5	186.23	189.28	100	12							
G96-5	189.28	191.41	89	9							
G96-5	191.41	193.85	98	9							
G96-5	193.85	196.9	99	12							
G96-5	196.9	199.95	97	15							
G96-5	199.95	201.17	78	>20							

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
G96-5	201.17	201.78	100	12							
G96-5	201.78	204.83	100	20							
Z96-1	3.96	5.49	29	>20	13.1	14.6	1.5				
Z96-1	5.49	7.92	99	14	20.75	22.25	1.5				
Z96-1	7.92	10.97	76	13	25.21	26.75	1.54				
Z96-1	10.97	14.02	94	14	26.75	28.12	1.37				
Z96-1	14.02	15.24	90	>20	28.12	29.45	1.33				
Z96-1	15.24	18.29	86	>20	29.45	30.89	1.44				
Z96-1	18.29	21.34	100	18	30.89	32.35	1.46				
Z96-1	21.34	24.38	100	23	32.35	33.59	1.24				
Z96-1	24.38	27.43	96	10	33.59	34.32	0.73				
Z96-1	27.43	30.48	100	15	35.82	37.96	2.14				
Z96-1	30.48	33.53	100	11	40.32	40.97	0.65				
Z96-1	33.53	35.36	95	16	42.67	44.4	1.73				
Z96-1	35.36	37.18	77	16	44.4	46.38	1.98				
Z96-1	37.18	38.71	100	10	46.38	47.36	0.98				
Z96-1	38.71	41.45	96	19	48.81	50.13	1.32				
Z96-1	41.45	42.67	100	>20	54	55.37	1.37				
Z96-1	42.67	44.5	100	>20	63.94	65.23	1.29				
Z96-1	44.5	46.33	88	>20							
Z96-1	46.33	49.38	100	>20							
Z96-1	49.38	51.51	100	>20							
Z96-1	51.51	54.56	99	22							
Z96-1	54.56	57.61	93	26							
Z96-1	57.61	60.66	100	17							
Z96-1	60.66	62.18	100	18							
Z96-1	62.18	65.23	100	17							
Z96-2	3.66	4.57	95	19	2.46	3.71	1.25				
Z96-2	4.57	7.01	100	>20	3.71	5.16	1.45		0.11		
Z96-2	7.01	10.06	100	>20	5.16	6.48	1.32		0.18		
Z96-2	10.06	12.19	100	12	6.48	7.79	1.31		0.11		
Z96-2	12.19	13.72	100	13	7.79	9.16	1.37		0.19		2.6
Z96-2	13.72	16.76	100	22	9.16	10.52	1.36				
Z96-2	16.76	19.2	100	12	10.52	11.95	1.43		0.14		
Z96-2	19.2	22.25	97	21	11.95	13.3	1.35		0.17		
Z96-2	22.25	24.08	100	9	13.3	14.64	1.34		0.13		2.4
Z96-2	24.08	26.82	100	24	14.64	16.12	1.48		0.15		2.3
Z96-2	26.82	29.87	99	15	16.12	17.52	1.4		0.11		
Z96-2	29.87	31.09	85	5	17.52	18.96	1.44		0.19		2.9
Z96-2	31.09	32.61	80	>20	18.96	20.4	1.44		0.19		2.9
Z96-2	32.61	35.66	91	18	20.4	21.9	1.5		0.23		3.5
Z96-2	35.66	38.4	100	17	21.9	23.38	1.48		0.18		3.5
Z96-2	38.4	40.23	93	25	23.38	24.79	1.41		0.12		2.9
Z96-2	40.23	43.28	99	16	24.79	26.25	1.46		0.13		3.8
Z96-2	43.28	46.33	100	21	26.25	27.68	1.43		0.19		3.7
Z96-2	46.33	49.38	100	15	27.68	29.14	1.46		0.11		2.7

HOLE #		RECOVERIES				SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-2	49.38	51.82	100	12	29.14	31.09	1.95		0.15		3.3
Z96-2	51.82	54.86	100	10	31.09	32.86	1.77		0.12		2.6
Z96-2	54.86	57.91	96	8	32.86	35.11	2.25		0.1		2.6
Z96-2	57.91	60.96	100	10	35.11	37.16	2.05				2.6
Z96-2	60.96	64.01	100	11	37.16	38.4	1.24		0.19		3.3
Z96-2	64.01	67.06	100	13	38.4	40.63	2.23		0.14		2.3
Z96-2	67.06	70.1	100	16	40.63	41.73	1.1				2.6
Z96-2	70.1	73.15	100	13	41.73	43.28	1.55		0.11		3.1
Z96-2	73.15	76.2	97	9	43.28	44.54	1.26		0.17		2.3
Z96-2	76.2	79.25	97	11	44.54	45.63	1.09		0.14		2.2
Z96-2	79.25	82.3	100	15	45.63	47.51	1.88		0.12		2.1
Z96-2	82.3	85.34	97	10	47.51	48.88	1.37		0.17		2.9
Z96-2	85.34	86.87	100	8	48.88	50.46	1.58				2.1
Z96-2	86.87	89.92	80	16	50.46	51.58	1.12				
Z96-2	89.92	92.05	100	19	51.58	52.08	0.5				
Z96-2	92.05	94.36	96	9	52.08	53.73	1.65				2.1
Z96-2	94.36	95.4	80	4	53.73	55.12	1.39				
Z96-2	95.4	97.84	90	>20	55.12	56.24	1.12				
Z96-2	97.84	100.89	99	23	56.24	58.35	2.11				
Z96-2	100.89	101.5	100	4	58.35	60.26	1.91				
Z96-2	101.5	104.55	98	16	60.26	61.82	1.56		0.12		3.6
Z96-2	104.55	107.59	100	18	61.82	64.01	2.19				
Z96-2	107.59	110.64	95	15	64.01	66.87	2.86		0.1		
Z96-2	110.64	113.69	100	5	66.87	68.08	1.21				
Z96-2	113.69	116.74	93	6	68.08	69.99	1.91				
Z96-2	116.74	119.18	100	18	69.99	72	2.01		0.1		
Z96-2	119.18	121.62	97	15	72	73.32	1.32		0.15		
Z96-2	121.62	122.83	81	16	73.32	75.49	2.17				
Z96-2	122.83	124.05	100	8	75.49	77.55	2.06				
Z96-2	124.05	127.1	100	12	77.55	80.48	2.93				
Z96-2	127.1	130.15	90	12	80.48	83.41	2.93				
Z96-2	130.15	133.2	100	11	83.41	86.36	2.95				
Z96-2	133.2	136.25	99	11	86.36	89.68	3.32				
Z96-2	136.25	139.29	100	19	89.68	91	1.32				2.1
Z96-2	139.29	142.34	98	20	91	92.94	1.94		0.12		
Z96-2	142.34	145.39	100	13	92.94	94.43	1.49				
Z96-2	145.39	146.46	86	8	94.43	96.04	1.61				
Z96-2	146.46	148.74	81	11	96.04	97.84	1.8				
Z96-2	148.74	149.66	99	15	97.84	99.58	1.74				
Z96-2	149.66	152.4	100	16	99.58	101.12	1.54				
Z96-2	152.4	155.14	97	9	101.12	102.45	1.33				2
Z96-2	155.14	158.19	100	13	102.45	104.65	2.2				
Z96-2	158.19	161.24	100	9	104.65	107.59	2.94				
Z96-2	161.24	164.29	100	12	107.59	110.57	2.98				
Z96-2	164.29	167.34	100	8	110.57	113.44	2.87				
Z96-2	167.34	170.38	100	6	113.44	116.48	3.04				
Z96-2	170.38	173.43	100	8	116.48	119.08	2.6				
Z96-2	173.43	176.48	100	8	119.08	121.9	2.82				

HOLE #	RECOVERIES				SAMPLES				RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-2	176.48	179.53	100	19	121.9	124.05	2.15				
Z96-2	179.53	181.05	88	8	124.05	125.49	1.44				
Z96-2	181.05	182.88	93	14	125.49	127.2	1.71				
Z96-2	182.88	185.93	100	8	127.2	129.16	1.96		0.11		
Z96-2	185.93	188.37	100	12	129.16	130.81	1.65				2.1
Z96-2	188.37	191.41	100	11	130.81	132.44	1.63				
Z96-2	191.41	193.85	100	6	132.44	133.6	1.16		0.22		
Z96-2	193.85	196.9	98	8	133.6	134.9	1.3				
Z96-2	196.9	199.95	100	8	134.9	137.8	2.9				
Z96-2	199.95	203	99	6	137.8	139.16	1.36				
Z96-2	203	205.13	89	7	139.16	140.65	1.49				
Z96-2	205.13	207.87	100	8	140.65	143.5	2.85				
Z96-2	207.87	210.92	99	13	143.5	146.46	2.96				
Z96-2	210.92	213.97	100	10	146.46	149.66	3.2				
Z96-2	213.97	216.41	100	6	149.66	151.06	1.4				2.1
Z96-2	216.41	218.54	100	9	151.06	152.75	1.69				3.3
Z96-2	218.54	221.59	98	10	152.75	155.22	2.47				
Z96-2	221.59	224.64	98	11	155.22	157.58	2.36				
Z96-2	224.64	227.69	99	10	157.58	159.08	1.5				
Z96-2	227.69	230.73	100	8	159.08	161.05	1.97				
Z96-2	230.73	233.78	100	8	161.05	162.28	1.23				
Z96-2	233.78	236.83	100	7	162.28	165.15	2.87				
Z96-2	236.83	238.66	100	5	165.15	167.44	2.29				
Z96-2	238.66	241.71	99	6	167.44	169.27	1.83				
Z96-2	241.71	244.75	99	8	169.27	172.13	2.86				
Z96-2	244.75	247.8	100	6	172.13	173.49	1.36				
Z96-2	247.8	250.85	100	9	173.49	174.86	1.37				
Z96-2	250.85	253.9	100	6	174.86	176.48	1.62				
Z96-2	253.9	256.95	99	7	176.48	178.17	1.69				
Z96-2	256.95	259.99	100	4	178.17	179.65	1.48				
Z96-2	259.99	262.43	94	6	179.65	182.25	2.6				
Z96-2					182.25	185.11	2.86				
Z96-2					185.11	188.05	2.94				
Z96-2					188.05	190.82	2.77				
Z96-2					190.82	194.05	3.23				
Z96-2					194.05	195.08	1.03		0.24		
Z96-2					195.08	198.04	2.96				
Z96-2					198.04	200.93	2.89				
Z96-2					200.93	202.87	1.94				
Z96-2					202.87	203.82	0.95				
Z96-2					203.82	204.86	1.04				
Z96-2					204.86	205.42	0.56				
Z96-2					205.42	206.72	1.3				
Z96-2					206.72	209.23	2.51				
Z96-2					209.23	209.91	0.68				
Z96-2					209.91	210.83	0.92				
Z96-2					210.83	212.8	1.97				
Z96-2					212.8	214.94	2.14				

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-2					214.94	218.21	3.27				
Z96-2					218.21	220.11	1.9				
Z96-2					220.11	221.59	1.48				
Z96-2					221.59	223.17	1.58				
Z96-2					223.17	224.74	1.57				
Z96-2					224.74	226.47	1.73				
Z96-2					226.47	227.83	1.36				
Z96-2					227.83	230.73	2.9				
Z96-2					230.73	233.78	3.05				
Z96-2					233.78	235.17	1.39				
Z96-2					235.17	236.83	1.66				
Z96-2					236.83	238.66	1.83				
Z96-2					238.66	240.38	1.72				
Z96-2					240.38	241.66	1.28				
Z96-2					241.66	242.83	1.17				
Z96-2					242.83	244.47	1.64				
Z96-2					244.47	246.27	1.8				
Z96-2					246.27	248.16	1.89				
Z96-2					248.16	249.75	1.59				
Z96-2					249.75	252.03	2.28				
Z96-2					252.03	253.33	1.3				
Z96-2					253.33	254.08	0.75				
Z96-2					254.08	256.95	2.87				
Z96-2					256.95	258.45	1.5				
Z96-2					258.45	260.03	1.58				
Z96-2					260.03	262.43	2.4				
Z96-3	3.96	4.57	90	>20	2.72	3.96	1.24				
Z96-3	4.57	5.18	100	12	3.96	6.1	2.14				
Z96-3	5.18	6.1	100	24	6.1	8.1	2				
Z96-3	6.1	7.32	100	26	8.1	9.75	1.65		0.13		
Z96-3	7.32	9.75	61	>20	9.75	12.19	2.44				
Z96-3	9.75	10.36	90	>20	12.19	13.16	0.97				
Z96-3	10.36	10.97	98	>20	13.16	13.82	0.66		0.29		2.2
Z96-3	10.97	12.19	76	>20	13.82	16.47	2.65				2.2
Z96-3	12.19	12.8	70	13	16.47	17.68	1.21		0.28		
Z96-3	12.8	14.02	100	11	17.68	19.4	1.72				
Z96-3	14.02	14.94	97	19	19.4	22.09	2.69				
Z96-3	14.94	16.15	72	>20	22.09	24.95	2.86				
Z96-3	16.15	16.76	95	25	24.95	28.45	3.5				
Z96-3	16.76	17.68	96	12	28.45	29.86	1.41				
Z96-3	17.68	19.2	94	>20	29.86	32.31	2.45				2.1
Z96-3	19.2	21.34	87	>20	32.31	35.66	3.35				
Z96-3	21.34	24.38	100	24	35.66	38.4	2.74				
Z96-3	24.38	27.13	99	16	38.4	41.45	3.05				
Z96-3	27.13	29.57	84	7	41.45	44.15	2.7				
Z96-3	29.57	30.18	100	6	44.15	46.24	2.09				2.1
Z96-3	30.18	32.31	100	17	46.24	48.17	1.93				2

HOLE #		RECOVERIES				SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-3	32.31	33.53	99	13	48.17	49.85	1.68				2.1
Z96-3	33.53	35.66	100	16	49.85	51.82	1.97				
Z96-3	35.66	38.4	94	14	51.82	53.04	1.22				3.2
Z96-3	38.4	41.45	92	11	53.04	54.73	1.69				
Z96-3	41.45	42.67	91	10	54.73	56.55	1.82				
Z96-3	42.67	45.72	100	26	56.55	58.22	1.67				
Z96-3	45.72	48.77	98	16	58.22	59.4	1.18		0.28		
Z96-3	48.77	51.82	100	17	59.4	61.42	2.02				
Z96-3	51.82	54.86	99	10	61.42	63.11	1.69				
Z96-3	54.86	57.91	100	11	63.11	64.13	1.02				
Z96-3	57.91	60.96	98	9	64.13	67.06	2.93				
Z96-3	60.96	64.01	99	11	67.06	70.1	3.04				
Z96-3	64.01	67.06	99	11	70.1	73.15	3.05				
Z96-3	67.06	70.1	100	8	73.15	74.59	1.44				
Z96-3	70.1	73.15	100	14	74.59	75.72	1.13				
Z96-3	73.15	76.2	98	9	75.72	77.19	1.47				
Z96-3	76.2	79.25	100	12	77.19	79.25	2.06				
Z96-3	79.25	82.3	98	14	93.6	94.99	1.39				
Z96-3	82.3	85.34	100	12	94.99	97.26	2.27				
Z96-3	85.34	88.39	96	12	112.45	114.07	1.62				
Z96-3	88.39	89.61	89	5	114.07	116.37	2.3				
Z96-3	89.61	92.66	96	16	116.37	118.56	2.19				
Z96-3	92.66	95.71	92	11	121.75	123.27	1.52				
Z96-3	95.71	98.45	100	5	129.75	132.18	2.43				
Z96-3	98.45	101.5	95	9	132.18	134.7	2.52				
Z96-3	101.5	103.94	100	12	143.56	145.26	1.7				
Z96-3	103.94	106.98	100	13	145.26	148.92	3.66				
Z96-3	106.98	110.03	100	13	148.92	151.15	2.23				
Z96-3	110.03	113.08	100	17	153.68	156.06	2.38				
Z96-3	113.08	116.13			156.06	157.57	1.51				
Z96-3	116.13	119.18	100	16	157.57	158.56	0.99		0.89		
Z96-3	119.18	122.22	95	11	158.56	160.67	2.11				
Z96-3	122.22	125.27	99	19	160.67	163.28	2.61				
Z96-3	125.27	128.32	99	16	163.28	164.82	1.54				
Z96-3	128.32	131.37	100	13	164.82	166.12	1.3				
Z96-3	131.37	134.42	100	23	166.12	169.09	2.97				
Z96-3	134.42	137.46	100	13	169.09	171.55	2.46				
Z96-3	137.46	140.51	100	12	171.55	173.06	1.51				
Z96-3	140.51	143.56	96	4	173.06	175.87	2.81				
Z96-3	143.56	145.57	100	8	175.87	179.36	3.49				
Z96-3	145.57	146.91	54	3	179.36	181.23	1.87				
Z96-3	146.91	149.96	100	8	181.23	183.49	2.26				
Z96-3	149.96	153.01	100	12	183.49	186.54	3.05				
Z96-3	153.01	156.06	100	15	186.54	188.14	1.6				
Z96-3	156.06	159.11	100	18	188.14	189.59	1.45				
Z96-3	159.11	162.15	94	9	189.59	192.19	2.6				
Z96-3	162.15	165.2	100	15	192.19	195.1	2.91				
Z96-3	165.2	168.25	100	22	195.1	198.08	2.98				

HOLE #		RECOVERIES				SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-3	168.25	171.3	100	15	198.08	199.93	1.85				
Z96-3	171.3	174.35	100	16	199.93	201.78	1.85				
Z96-3	174.35	177.39	100	16							
Z96-3	177.39	180.44	98	11							
Z96-3	180.44	183.49	100	16							
Z96-3	183.49	186.54	100	21							
Z96-3	186.54	189.59	100	20							
Z96-3	189.59	192.63	100	10							
Z96-3	192.63	195.68	97	19							
Z96-3	195.68	198.73	100	20							
Z96-3	198.73	201.78	100	13							
Z96-4	3.96	4.88	100	>20	0	3.96	3.96		0.12		3
Z96-4	4.88	6.4	74	>20	3.96	6.4	2.44		0.17		3.1
Z96-4	6.4	8.22	38	>20	6.4	8.83	2.43		0.22		2.4
Z96-4	8.22	8.83	74	>20	8.83	10.97	2.14		0.22		4.1
Z96-4	8.83	9.75	72	>20	10.97	12.83	1.86		0.18		3.4
Z96-4	9.75	10.97	85	14	12.83	15.34	2.51		0.24		2.7
Z96-4	10.97	13.72	96	32	15.34	18.76	3.42		0.17		2.2
Z96-4	13.72	15.85	100	20	18.76	19.67	0.91		0.66		3.8
Z96-4	15.85	17.68	75	34	19.67	21.95	2.28		0.13		2.1
Z96-4	17.68	18.9	100	16	21.95	24.45	2.5				2
Z96-4	18.9	19.35	80	3	24.45	27.09	2.64		0.15		2.2
Z96-4	19.35	21.95	100	30	27.09	30.06	2.97		0.21		
Z96-4	21.95	22.86	82	7	30.06	31.59	1.53		0.11		
Z96-4	22.86	25.91	100	15	31.59	34.17	2.58				
Z96-4	25.91	28.04	100	11	34.17	37.2	3.03				
Z96-4	28.04	29.26	85	15	37.2	38.33	1.13		0.48		2
Z96-4	29.26	32.31	100	20	38.33	39.98	1.65		0.12		
Z96-4	32.31	32.92	100	9	39.98	42.67	2.69				
Z96-4	32.92	35.05	100	16	42.67	44.59	1.92				
Z96-4	35.05	36.27	81	10	44.59	45.92	1.33				
Z96-4	36.27	38.71	100	25	45.92	47.21	1.29				
Z96-4	38.71	41.45	100	37	47.21	50.04	2.83				
Z96-4	41.45	44.2	96	24	50.04	53.27	3.23				
Z96-4	44.2	45.42	100	13	53.27	55.91	2.64				
Z96-4	45.42	47.55	100	29	55.91	57	1.09		0.12		
Z96-4	47.55	49.68	100	26	57	58.32	1.32		0.27		2.2
Z96-4	49.68	52.12	98	18	58.32	61.06	2.74				
Z96-4	52.12	52.73	87	15	61.06	62.21	1.15				
Z96-4	52.73	53.34	74	>20	62.21	64.27	2.06				
Z96-4	53.34	54.86	99	>20	64.27	67.16	2.89				2.1
Z96-4	54.86	56.08	100	>20	67.16	69.08	1.92		0.26		2.7
Z96-4	56.08	57	100	>20	69.08	70.71	1.63		0.14		
Z96-4	57	60.05	100	28	70.71	73.15	2.44		0.19		2.5
Z96-4	60.05	63.09	97	21	73.15	75.29	2.14		0.1		2
Z96-4	63.09	64.92	86	31	75.29	76.93	1.64		0.14		2.1
Z96-4	64.92	66.14	100	20	76.93	79.19	2.26				4.2

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-4	66.14	68.88	88	>20	79.19	80.4	1.21				3.3
Z96-4	68.88	70.71	98	28	80.4	82.33	1.93				2.3
Z96-4	70.71	73.15	92	11	82.33	85.12	2.79		0.15		2.1
Z96-4	73.15	75.29	100	18	85.12	87.39	2.27				2
Z96-4	75.29	78.33	100	15	87.39	89.24	1.85				2
Z96-4	78.33	81.38	100	22	89.24	90.63	1.39				
Z96-4	81.38	84.43	99	5	90.63	92.02	1.39				
Z96-4	84.43	87.48	100	7	92.02	94.37	2.35				
Z96-4	87.48	90.53	98	8	94.37	95.41	1.04				2.6
Z96-4	90.53	93.57	100	25	95.41	96.9	1.49				
Z96-4	93.57	96.62	100	9	96.9	100.58	3.68				
Z96-4	96.62	97.54	90	4	100.58	102.91	2.33				
Z96-4	97.54	100.58	97	5	102.91	105.35	2.44				
Z96-4	100.58	103.63	90	9	105.35	106.35	1				4.8
Z96-4	103.63	106.38	112	7	106.35	108.09	1.74				
Z96-4	106.38	109.42	100	7	108.09	110.85	2.76				
Z96-4	109.42	112.47	82	6	110.85	113.37	2.52				
Z96-4	112.47	114.91	126	14	113.37	114.18	0.81				
Z96-4	114.91	117.96	93	7	117.31	119.1	1.79		0.12		
Z96-4	117.96	121.01	100	10	130.31	131.81	1.5				
Z96-4	121.01	124.05	100	7	136.12	137.16	1.04				
Z96-4	124.05	126.49	93	6	145.04	146.32	1.28				
Z96-4	126.49	129.54	92	5	147.83	149.31	1.48				
Z96-4	129.54	132.59	100	6	152.58	154.83	2.25				
Z96-4	132.59	135.64	100	12	154.83	157.09	2.26				
Z96-4	135.64	138.68	99	8	158.31	160.7	2.39				
Z96-4	138.68	141.73	100	12	160.7	163.49	2.79				
Z96-4	141.73	144.78	100	11	163.49	165.67	2.18				
Z96-4	144.78	147.83	100	11	165.67	167.58	1.91				
Z96-4	147.83	150.88	100	10							
Z96-4	150.88	153.92	100	12							
Z96-4	153.92	156.97	99	18							
Z96-4	156.97	160.02	93	20							
Z96-4	160.02	161.85	100	8							
Z96-4	161.85	164.9	100	14							
Z96-4	164.9	167.94	100	20							
Z96-5	0	3.96	42	17	6.25	8.53	2.28	2.56	>9.99		15.3
Z96-5	3.96	5.49	95	14	24.35	25.71	1.36		0.24		
Z96-5	5.49	8.53	59	21	25.71	26.82	1.11				
Z96-5	8.53	11.58	97	8	26.82	28.28	1.46		0.1		
Z96-5	11.58	14.63	100	9	28.28	30.52	2.24	0.1	0.18		
Z96-5	14.63	17.68	100	10	30.52	32.26	1.74				
Z96-5	17.68	20.73	99	6	32.26	33.35	1.09				
Z96-5	20.73	23.77	100	10	33.35	34.89	1.54		0.19		
Z96-5	23.77	26.82	96	14	34.89	35.89	1		3.21		
Z96-5	26.82	29.87	69	21	35.89	37.29	1.4		0.14		
Z96-5	29.87	32.92	96	11	37.29	38.33	1.04		2.38		

HOLE #		RECOVERIES				SAMPLES			RESULTS		
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-5	32.92	35.97	100	18	38.33	39.71	1.38		0.43		
Z96-5	35.97	39.01	100	15	39.71	41.18	1.47		0.22		
Z96-5	39.01	42.06	100	18	41.18	42.37	1.19				
Z96-5	42.06	45.11	100	11	42.37	43.39	1.02		1.55		
Z96-5	45.11	48.16	97	7	43.39	44.48	1.09				
Z96-5	48.16	51.21	100	12	45.41	46.61	1.2				
Z96-5	51.21	54.25	100	13	50.77	52.18	1.41		0.76		
Z96-5	54.25	57.3	99	11	53.37	54.25	0.88				
Z96-5	57.3	60.35	99	18	55	56	1		0.64		
Z96-5	60.35	63.4	100	9	57.94	58.64	0.7		0.82		
Z96-5	63.4	66.45	100	8	60.83	61.89	1.06				
Z96-5	66.45	69.49	100	9	68.22	70.64	2.42				
Z96-5	69.49	72.54	100	20	70.64	72	1.36				
Z96-5	72.54	75.59	98	12	77.74	79.14	1.4		0.72		
Z96-5	75.59	78.64	97	14	79.14	80.55	1.41				
Z96-5	78.64	81.69	100	12	80.55	81.82	1.27				
Z96-5	81.69	84.73	100	15	81.82	83.09	1.27				
Z96-5	84.73	87.78	97	8	83.09	83.95	0.86		0.47		
Z96-5	87.78	90.83	99	13	89.03	90.25	1.22				
Z96-5	90.83	92.96	99	11	90.25	92.27	2.02				
Z96-5	92.96	96.01	100	18	92.27	94.42	2.15				
Z96-5	96.01	99.06	100	13	94.42	95.07	0.65				
Z96-5	99.06	102.11	100	8	95.07	95.95	0.88				
Z96-5	102.11	103.33	81	3	95.95	97.11	1.16				
Z96-5	103.33	105.46	100	10	111.99	113.77	1.78		0.16		
Z96-5	105.46	108.51	100	8	114.23	116.64	2.41				
Z96-5	108.51	111.56	99	7	116.64	117.85	1.21				
Z96-5	111.56	114	100	24	117.85	119.26	1.41				
Z96-5	114	116.13	75	14	119.26	120.69	1.43				
Z96-5	116.13	119.18	100	10	120.69	121.81	1.12				
Z96-5	119.18	122.22	100	19	121.81	122.61	0.8				
Z96-5	122.22	122.53	100	3	122.61	123.89	1.28				
Z96-5	122.53	125.58	100	13	123.89	125.58	1.69				
Z96-5	125.58	128.63	100	13	125.58	127.25	1.67				
Z96-5	128.63	131.67	100	9	127.25	128.63	1.38				
Z96-5	131.67	134.72	100	18	128.63	130.53	1.9				
Z96-5	134.72	137.77	99	14	130.53	132.53	2				
Z96-5	137.77	140.82	100	26	132.53	134.58	2.05				
Z96-5	140.82	142.34	82	14	134.58	136.22	1.64				
Z96-5	142.34	145.39	100	21	136.22	139.02	2.8				
Z96-5	145.39	148.13	96	23	139.02	141.77	2.75				
Z96-5	148.13	151.18	100	37	141.77	142.8	1.03				
Z96-5	151.18	152.4	94	22	142.8	144.86	2.06				
Z96-5	152.4	153.19	100	7	144.86	147.71	2.85				
Z96-5	153.19	153.49	100	3	147.71	150.04	2.33				
Z96-5	153.49	156.55	100	34	150.04	153.14	3.1				
Z96-5	156.55	158.8	100	39	153.14	155.78	2.64				
Z96-5	158.8	161.85	100	34	155.78	158.4	2.62				

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-5	161.85	164.9	100	31	158.4	160.98	2.58				
Z96-5	164.9	167.95	100	15	160.98	163.74	2.76				
Z96-5	167.95	170.99	100	11	163.74	166.49	2.75				
Z96-5	170.99	174.04	100	15	166.49	168.47	1.98				
Z96-5	174.04	177.09	100	21	168.47	170.05	1.58				
Z96-5	177.09	180.14	97	23	170.05	170.89	0.84				
Z96-5	180.14	182.58	93	15	170.89	173.18	2.29				
Z96-5					173.18	174.9	1.72				
Z96-5					174.9	177.64	2.74				
Z96-5					177.64	178.94	1.3				
Z96-5					178.94	179.89	0.95				
Z96-5					179.89	182.58	2.69				
Z96-6	0	3.96		20	5.55	6.37	0.82				
Z96-6	3.96	5.79	87	12	16.53	17.44	0.91				
Z96-6	5.79	8.53	95	19	18.73	20.44	1.71				
Z96-6	8.53	9.45	76	7	20.44	21.69	1.25				
Z96-6	9.45	12.5	95	22	21.69	23.45	1.76				
Z96-6	12.5	14.33	98	7	24.02	25.5	1.48				
Z96-6	14.33	17.37	100	19	25.5	26.44	0.94				
Z96-6	17.37	18.29	99	3	26.44	28.02	1.58				
Z96-6	18.29	21.34	96	15	28.02	30.01	1.99				
Z96-6	21.34	23.04	97	11	30.01	31.16	1.15				
Z96-6	23.04	24.38	99	7	31.16	32.56	1.4				
Z96-6	24.38	27.43	100	17	39.34	40.89	1.55				
Z96-6	27.43	30.48	95	10	42.88	44.08	1.2				
Z96-6	30.48	33.53	99	13	44.81	46.6	1.79		0.17		
Z96-6	33.53	36.58	98	11	46.88	48.19	1.31				
Z96-6	36.58	39.62	100	16	48.19	50.77	2.58				
Z96-6	39.62	42.06	97	13	50.77	51.87	1.1		0.14		1.3
Z96-6	42.06	43.89	98	13	51.87	52.39	0.52		0.29		1.1
Z96-6	43.89	46.94	99	13	52.39	53.29	0.9		1.72		4
Z96-6	46.94	49.99	99	16	53.29	54.86	1.57		0.75		
Z96-6	49.99	53.04	99	>20	54.86	55.46	0.6		10.99		9.4
Z96-6	53.04	56.08	100	>20	55.46	56.85	1.39		0.24		3.9
Z96-6	56.08	57.91	96	9	56.85	57.79	0.94	13.76	1.89		33.2
Z96-6	57.91	59.41	85	9	57.79	59.44	1.65		0.13		
Z96-6	59.41	61.57	100	>20	59.44	61.37	1.93				
Z96-6	61.57	64.62	100	>20	61.37	62.72	1.35				
Z96-6	64.62	66.45	100	15	62.72	64.02	1.3				
Z96-6	66.45	69.49	93	>20	64.02	65.39	1.37				
Z96-6	69.49	71.02	100	24	65.39	67.57	2.18				
Z96-6	71.02	72.85	77	>20	67.57	68.87	1.3				
Z96-6	72.85	75.29	78	>20	68.87	71.02	2.15				
Z96-6	75.29	76.5	66	>20	78.35	80.16	1.81				
Z96-6	76.5	76.81	71	>20	80.16	81.88	1.72				
Z96-6	76.81	77.72	86	>20	81.88	84.62	2.74				
Z96-6	77.72	80.16	100	>20	84.62	85.69	1.07				

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-6	80.16	82.3	100	>20	87.31	89.31	2				
Z96-6	82.3	82.91	85	>20	89.31	91.1	1.79				
Z96-6	82.91	83.7	100	>20	91.1	93.15	2.05				
Z96-6	83.7	85.34	54	>20	93.15	94.49	1.34				
Z96-6	85.34	87.17	52	>20	94.49	96.56	2.07				
Z96-6	87.17	88.7	65	>20							
Z96-6	88.7	89.31	28	>20							
Z96-6	89.31	92.35	92	>20							
Z96-6	92.35	94.49	100	>20							
Z96-6	94.49	97.54	100	>20							
Z96-6	97.54	100.28	98	19							
Z96-6	100.28	103.02	96	15							
Z96-6	103.02	104.55	99	19							
Z96-6	104.55	105.12	93	1							
Z96-7	0	3.96	48	17	13.76	14.94	1.18				
Z96-7	3.96	6.4	86	12	16.87	17.88	1.01				
Z96-7	6.4	9.45	100	19	21.08	23.64	2.56				
Z96-7	9.45	10.06	61	5	24.56	25.23	0.67				
Z96-7	10.06	13.11	100	12	25.23	26.76	1.53				
Z96-7	13.11	15.24	93	11	26.76	28.23	1.47				
Z96-7	15.24	16.96	67	10	28.23	29.68	1.45				
Z96-7	16.96	19.51	100	11	29.68	32.63	2.95				
Z96-7	19.51	22.25	96	>20	34.08	35.23	1.15				
Z96-7	22.25	23.47	86	14	39.09	40.84	1.75				
Z96-7	23.47	26.52	100	13	47.1	48.66	1.56				
Z96-7	26.52	29.57	99	9	48.66	49.99	1.33	1.85	0.66		8.5
Z96-7	29.57	32.61	98	6	49.99	51.98	1.99				
Z96-7	32.61	35.66	100	12	51.98	53.6	1.62		0.43		1.2
Z96-7	35.66	37.49	84	10	59.49	60.43	0.94				
Z96-7	37.49	39.32	95	11	60.43	60.97	0.54				
Z96-7	39.32	40.84	80	8	73.29	74.73	1.44				
Z96-7	40.84	43.89	91	16	74.73	76.14	1.41				
Z96-7	43.89	46.94	99	25	76.14	78.01	1.87				
Z96-7	46.94	49.99	100	>20	78.01	79.83	1.82				
Z96-7	49.99	53.04	96	>20	79.83	81.28	1.45				
Z96-7	53.04	56.08	100	18							
Z96-7	56.08	59.13	82	21							
Z96-7	59.13	61.87	100	>20							
Z96-7	61.87	64.92	96	>20							
Z96-7	64.92	67.97	100	>20							
Z96-7	67.97	69.8	86	>20							
Z96-7	69.8	71.32	67	>20							
Z96-7	71.32	73.76	100	>20							
Z96-7	73.76	74.98	83	>20							
Z96-7	74.98	78.03	85	>20							
Z96-7	78.03	78.33	100	6							
Z96-7	78.33	80.77	79	>20							

HOLE #	RECOVERIES				SAMPLES			RESULTS			
	FROM(m)	TO(m)	REC(%)	RQD	FROM(m)	TO(m)	WIDTH(m)	PB(%)	ZN(%)	AU(g/t)	AG(g/t)
Z96-7	80.77	83.82	100	14							
Z96-7	83.82	86.87	100	30							
Z96-8	0	3.96	41	19	20.97	22.17	1.2				
Z96-8	3.96	5.49	73	6	22.17	23.47	1.3				
Z96-8	5.49	8.23	100	4	23.47	24.86	1.39				
Z96-8	8.23	11.28	97	11	24.86	26.07	1.21				
Z96-8	11.28	14.33	99	7	26.07	27.16	1.09				
Z96-8	14.33	17.37	100	2	27.16	29.57	2.41				
Z96-8	17.37	20.42	97	13	29.57	30.75	1.18				
Z96-8	20.42	23.47	99	8	30.75	32.48	1.73				
Z96-8	23.47	26.52	100	13	32.48	33.85	1.37				
Z96-8	26.52	29.57	98	12	33.85	35.66	1.81	0.01	0.01		
Z96-8	29.57	32.61	88	19	35.66	38.71	3.05	2.33	1.66		6.5
Z96-8	32.61	35.66	75	8	38.71	43.89	5.18				2.5
Z96-8	35.66	38.71	24	>20	43.89	45.13	1.24				1.1
Z96-8	38.71	41.76	24	>20	49.35	50.74	1.39	0.01	0.02		
Z96-8	41.76	43.89	3	3	50.74	54.86	4.12	1.1	0.25		8.1
Z96-8	43.89	44.2	100	14	54.86	56.69	1.83	0.03	0.02	0.01	0.3
Z96-8	44.2	47.24	100	22	56.69	57	0.31	3.74	0.5	0.15	16.1
Z96-8	47.24	50.29	100	36	57	58.02	1.02				
Z96-8	50.29	54.86	0	22	58.02	59.53	1.51				
Z96-8	54.86	56.69	93	12	59.53	62.31	2.78				
Z96-8	56.69	57.91	100	>20	62.31	64.92	2.61	0.01	0.02		
Z96-8	57.91	58.83	89	5	64.92	65.86	0.94	0.66			2.4
Z96-8	58.83	61.87	89	14	78.64	79.81	1.17				
Z96-8	61.87	64.92	100	17	79.81	81.22	1.41				
Z96-8	64.92	66.45	100	8	81.22	83.77	2.55				
Z96-8	66.45	69.49	78	13	83.77	85.66	1.89				
Z96-8	69.49	72.54	98	9	85.66	86.64	0.98				
Z96-8	72.54	75.59	100	12	86.64	89.4	2.76	0.01	0.01	0.01	0.7
Z96-8	75.59	76.2	100	4	89.4	90.96	1.56	2.33	2.37	0.13	10.6
Z96-8	76.2	78.64	98	17	90.96	92.73	1.77	0.64	0.78		2.8
Z96-8	78.64	81.69	99	7	92.73	94.4	1.67	10.99	4.89		4.3
Z96-8	81.69	84.73	97	11	94.4	95.65	1.25	0.23	0.14		
Z96-8	84.73	87.78	100	16	95.65	98.25	2.6		0.12		
Z96-8	87.78	90.22	98	18	98.66	99.56	0.9		0.2		
Z96-8	90.22	93.27	100	>20							
Z96-8	93.27	96.32	100	>20							
Z96-8	96.32	99.36	100	>20							
Z96-8	99.36	99.97	85	>20							
Z96-8	99.97	102.41	48	>20							

13.0 APPENDIX E

DRILL CORE SAMPLE RESULTS

ACME LABS LTD. - CERTIFICATES OF ANALYSIS

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 # 96-2977 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	Au** gm/t
UG96-1 0.34-2.43	8	11	1711	5311	2.5	4	1	891	1.39	31	<5	<2	<2	287	43.6	72	2	12	20.69	.011	5	3	10.96	56	.01	7	.22	.01	.05	<2	<.01
UG96-1 2.43-3.25	2	21	97	181	.3	17	6	1573	2.06	26	<5	<2	3	431	1.6	11	<2	12	23.18	.029	8	15	2.65	190	.03	10	.89	.02	.54	150	<.01
UG96-1 3.25-5.20	53	18	100	551	.7	10	3	7511	3.07	32	<5	<2	4	124	2.5	2	9	12	10.32	.075	13	15	.74	80	.05	7	1.28	.01	.06	1464	.03
UG96-1 5.20-6.37	7	102	12467	15022	8.0	28	10	1857	3.68	<2	<5	<2	6	121	99.7	9	3	33	11.85	.024	9	34	5.36	176	.06	13	1.61	.02	.17	175	.01
UG96-1 6.37-6.80	65	34	78	227	<.3	10	3	7384	2.34	<2	<5	<2	2	35	1.0	<2	<2	13	6.51	.059	11	9	.31	9	.04	5	1.13	<.01	<.01	1634	<.01
UG96-1 7.92-8.84	8	8	519	285	1.1	9	4	11065	1.99	1275	<5	<2	<2	225	2.5	2	12	13	20.76	.025	2	4	11.55	23	<.01	<3	.03	.01	<.01	49	.02
UG96-1 8.84-10.01	9	22	265	740	.8	23	4	9638	2.83	170	<5	<2	<2	234	6.5	<2	9	30	19.64	.034	4	21	11.02	65	<.01	4	.13	<.01	.06	45	<.01
RE UG96-1 8.84-10.01	10	22	283	745	.8	23	3	9858	2.91	167	<5	<2	<2	239	6.4	<2	3	31	19.99	.034	4	21	11.24	74	<.01	5	.13	<.01	.06	45	<.01
RRE UG96-1 8.84-10.01	9	23	268	826	.9	24	4	9680	3.05	219	<5	<2	<2	249	6.8	<2	<2	31	20.45	.040	4	22	11.65	77	<.01	<3	.12	<.01	.07	30	<.01
UG96-1 10.01-11.82	66	18	71	412	2.7	6	4	10009	2.25	114	<5	<2	<2	233	3.8	7	38	16	14.97	.019	3	3	8.35	22	<.01	<3	.05	.01	.02	2	.02
UG96-1 11.82-15.57	3	95	210	60869	1.8	20	16	7046	5.92	276	<5	<2	<2	212	259.9	9	6	23	21.85	.006	3	3	12.52	34	<.01	<3	.07	.01	.02	<2	.03
UG96-1 15.57-18.22	<1	614	69	138	6.5	4	72	14446	24.07	41994	<5	<2	2	50	2.7	65	379	6	7.62	.018	2	2	2.41	21	<.01	<3	.02	<.01	.02	<2	1.80
UG96-1 18.22-19.65	<1	551	971	54	68.0	5	105	17307	31.49	99999	<5	<2	<2	26	4.6	199	1196	5	5.25	.012	2	1	2.76	20	<.01	<3	.01	.01	.01	7	1.14
UG96-1 19.65-20.22	<1	6	28	60	.7	7	16	17891	8.27	97209	<5	<2	<2	142	2.5	48	17	10	24.17	.085	2	2	7.39	23	<.01	<3	.06	.01	.04	<2	.34
UG96-1 20.22-22.23	<1	13	427	20	32.7	<1	337	5990	32.15	99999	<5	6	3	24	2.6	398	593	4	2.57	.002	2	2	1.02	14	<.01	<3	.05	<.01	.01	<2	6.50
UG96-1 22.23-23.84	<1	241	587	18	20.7	6	66	27700	28.24	99999	<5	<2	2	39	2.4	268	310	9	7.25	.001	2	2	2.86	18	<.01	7	.01	.01	.01	3	1.21
UG96-1 23.84-24.99	<1	225	561	17	20.9	8	2	19181	31.43	99999	<5	<2	2	57	2.5	388	326	8	5.97	.004	4	1	1.83	19	<.01	7	.01	.01	.01	<2	1.84
UG96-1 24.99-26.68	1	276	492	9	19.2	6	<1	4317	34.63	99999	5	<2	2	10	<.2	331	293	4	1.49	<.001	1	<1	.46	15	<.01	<3	<.01	.01	.01	<2	2.75
UG96-1 26.68-27.60	<1	39	1949	12	37.1	18	17	34002	25.16	99999	9	<2	<2	149	2.6	174	383	14	14.91	.022	8	3	2.68	7	<.01	<3	.01	.01	.01	8	1.45
UG96-1 27.60-28.67	<1	62	22	28	.6	3	4	3139	3.62	7474	<5	<2	<2	138	1.2	5	6	6	34.01	.016	<1	1	1.68	16	<.01	<3	.02	<.01	.02	<2	.34
UG96-1 28.67-29.58	<1	301	299	2	26.4	<1	54	2948	22.79	254	<5	<2	2	19	<.2	4	469	1	3.61	.007	1	1	.08	9	<.01	<3	<.01	.01	<.01	<2	7.45
UG96-1 29.58-30.40	<1	12	91	17	7.2	3	3	23114	3.86	393	<5	<2	<2	141	.4	8	215	7	26.55	.009	1	1	4.06	17	<.01	<3	.01	.01	.01	<2	.57
UG96-1 30.40-30.94	<1	282	9061	19	171.7	6	<1	29759	3.95	334	<5	<2	<2	150	11.3	1282	7177	11	28.86	.016	<1	1	5.35	11	<.01	<3	.01	.01	.01	<2	.84
UG96-1 32.31-33.83	<1	3	62	59	1.5	1	<1	458	.13	156	<5	<2	<2	199	1.0	4	21	8	36.03	.014	1	1	1.99	27	<.01	<3	.06	.01	.05	<2	.01
STANDARD C2/AU-1	20	61	39	140	6.3	73	35	1217	3.98	45	21	8	36	53	20.6	13	20	74	.55	.092	41	68	1.00	210	.08	31	2.11	.07	.15	13	3.09

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 CORE P2 ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 18 1996 DATE REPORT MAILED: Aug 2/96 SIGNED BY. D. Toye ... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3023

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	Au** gm/t
UG96-2 0-2.0	120	25	7	143	<.3	22	7	2486	1.90	<2	<5	<2	8	132	.3	3	<2	18	9.07	.045	16	28	2.11	147	.06	<3	2.60	.20	.08	5	.01
UG96-2 2.0-3.56	2	19	601	2296	.8	12	4	1022	2.44	166	<5	<2	<2	267	15.0	18	<2	14	22.34	.012	4	5	11.07	65	<.01	<3	.20	.01	.07	<2	<.01
UG96-2 3.56-4.12	1	33	46	473	<.3	24	10	1370	2.50	<2	<5	<2	5	121	3.7	<2	<2	25	14.16	.005	10	32	7.95	310	.05	8	1.68	.05	.15	<2	<.01
UG96-2 4.12-4.88	50	22	813	3318	2.9	6	4	3832	2.73	<2	<5	<2	2	139	26.6	6	35	12	12.36	.009	6	9	3.45	44	.02	32	.80	.01	.04	1036	.01
UG96-2 4.88-5.16	10	50	2828	28658	1.5	7	5	651	2.67	7	<5	<2	<2	298	244.4	<2	2	22	22.04	.012	6	4	12.92	24	<.01	24	.13	<.01	.03	14	.01
UG96-2 5.16-5.25	23	289	22498	99999	10.0	58	29	1714	13.83	60	<5	<2	<2	124	645.3	7	6	29	13.67	.009	4	5	6.01	12	<.01	<3	.11	<.01	.01	<2	.01
UG96-2 5.25-6.13	19	78	9812	99999	7.4	11	11	7134	4.80	32	<5	<2	<2	158	1175.9	5	4	26	18.23	.011	5	1	10.20	15	<.01	3	.09	<.01	.02	<2	<.01
RE UG96-2 5.25-6.13	17	78	9491	99999	7.8	11	11	7053	4.81	32	<5	<2	<2	161	1134.2	9	3	26	17.56	.009	5	3	9.74	15	<.01	3	.10	<.01	.02	<2	.01
RRE UG96-2 5.25-6.13	17	62	10248	99999	7.4	9	8	6387	4.48	36	<5	<2	<2	161	1265.5	7	3	26	17.87	.009	5	2	9.99	15	<.01	4	.09	<.01	.02	<2	.02
UG96-2 6.13-7.19	8	57	336	3660	2.3	55	10	8319	3.45	184	<5	<2	<2	181	26.8	7	5	26	20.12	.025	3	7	10.92	20	<.01	<3	.05	<.01	.02	<2	.01
UG96-2 7.19-10.36	4	38	4792	6344	6.7	12	6	5260	2.27	248	<5	<2	<2	180	45.4	286	5	18	19.62	.028	2	4	10.27	12	<.01	<3	.01	<.01	.01	<2	.02
UG96-2 10.36-16.18	1	95	194	337	1.1	7	17	11634	3.97	32	<5	<2	<2	340	2.6	6	8	23	15.69	<.001	2	8	8.02	115	<.01	<3	.19	.01	.10	<2	.03
UG96-2 16.18-17.16	4	162	661	17542	5.9	12	5	14432	7.25	274	<5	<2	<2	165	190.4	37	44	11	16.72	<.001	2	6	7.46	15	<.01	<3	.05	<.01	.02	<2	.09
UG96-2 17.16-18.75	2	18	20	156	.3	7	3	15819	3.35	523	<5	<2	<2	173	1.4	<2	<2	9	17.74	<.001	2	5	8.75	18	<.01	<3	.05	<.01	.02	<2	.02
UG96-2 18.75-19.20	6	12	44	208	<.3	8	2	6173	1.76	34	<5	<2	<2	224	2.0	<2	<2	38	21.11	.051	3	6	12.01	28	<.01	<3	.13	<.01	.03	<2	<.01
UG96-2 19.20-20.29	<1	343	22	43	9.1	4	12	27355	17.27	1978	<5	<2	<2	85	<.2	58	7	4	9.18	.014	1	7	3.70	10	<.01	<3	.07	<.01	.01	<2	.14
UG96-2 20.29-20.85	9	21	10	31	1.2	<1	2	46565	6.62	3513	<5	<2	<2	103	.3	8	<2	5	19.07	.024	1	6	5.95	6	<.01	<3	.04	<.01	.01	2	.07
UG96-2 20.85-21.60	<1	911	12	35	<.3	4	74	9504	22.66	5250	5	<2	<2	52	.2	9	<2	6	4.88	.042	2	8	1.56	10	<.01	<3	.72	<.01	.10	<2	.06
UG96-2 21.60-26.21	1	15	23	86	<.3	3	3	1467	1.52	38	<5	<2	5	47	1.1	<2	<2	1	12.90	.103	9	2	.11	9	.02	<3	.20	<.01	.02	<2	<.01
UG96-2 26.21-26.88	<1	15	6	55	<.3	10	6	364	2.60	11	<5	<2	8	25	<.2	<2	<2	14	1.07	.105	16	21	.35	32	.10	<3	.71	.02	.21	<2	<.01
STANDARD C2/AU-1	20	58	36	137	6.2	70	36	1146	3.94	38	26	6	34	53	20.5	16	17	71	.53	.099	41	64	1.00	181	.07	23	2.04	.07	.15	11	3.24

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 22 1996 DATE REPORT MAILED: July 30/96 SIGNED BY............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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3149

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	Au** gm/t
UG96-2 12.55-13.27	2	<1	9	72	<.3	3	2	10169	2.47	29	<5	<2	<2	297	<.2	3	<2	26	21.25	<.001	4	4	12.04	81	<.01	7	.11	.01	.06	<2	.04
UG96-2 13.27-13.90	4	<1	11	247	<.3	5	1	11248	2.11	13	5	<2	<2	239	<.2	4	<2	29	22.68	.011	4	5	12.84	47	<.01	5	.07	.01	.03	<2	<.01
UG96-2 13.90-14.22	3	177	481	122	3.9	10	9	9171	5.27	2033	<5	<2	<2	488	1.7	250	3	31	23.59	.042	4	4	12.77	67	<.01	9	.12	.01	.04	<2	.04
UG96-2 14.22-16.18	4	2	20	568	<.3	6	<1	2519	1.24	25	<5	<2	<2	378	2.6	3	<2	26	25.95	.009	4	4	14.58	61	<.01	7	.12	.01	.04	<2	.03
UG96-2 23.16-24.69	1	17	13	108	.5	7	6	476	3.46	11	<5	<2	23	44	.3	4	<2	11	3.49	.186	39	14	.43	26	.11	<3	.49	.01	.06	<2	<.01
UG96-2 24.69-26.21	2	13	10	55	.4	11	7	311	3.37	<2	<5	<2	39	18	<.2	3	3	29	1.20	.173	48	36	.61	50	.15	<3	1.06	.03	.27	<2	<.01
RE UG96-2 24.69-26.21	2	12	4	54	.3	10	7	311	3.37	<2	<5	<2	39	18	<.2	2	<2	29	1.19	.173	48	37	.60	49	.15	<3	1.06	.03	.28	<2	<.01
RRE UG96-2 24.69-26.21	2	13	<3	53	.3	12	7	309	3.41	<2	<5	<2	39	17	<.2	4	<2	29	1.17	.176	50	37	.59	50	.15	3	1.07	.03	.27	<2	<.01
UG96-3 1.19-1.96	45	55	1212	2001	4.4	16	3	929	4.07	54	<5	<2	<2	271	17.5	8	14	12	19.64	.005	6	7	9.68	93	.02	14	.70	.02	.29	28	<.01
UG96-3 1.96-2.31	6	4	71	598	<.3	11	4	2207	2.27	120	<5	<2	3	483	2.5	5	<2	9	23.56	.011	8	8	11.04	104	<.01	12	.32	.01	.19	<2	.02
UG96-3 2.31-2.88	10	15	143	1282	<.3	27	10	771	2.70	83	<5	<2	10	264	7.1	3	<2	20	15.25	.009	11	17	7.51	107	.01	10	1.00	.05	.28	<2	.01
UG96-3 2.88-4.89	169	5	19	249	<.3	7	1	4091	1.79	2	<5	<2	6	303	<.2	5	<2	12	21.09	.023	16	<1	1.49	115	.05	51	1.29	.02	.13	1160	<.01
UG96-3 4.89-6.31	54	7	33	2104	<.3	9	2	3998	2.03	112	<5	<2	<2	400	15.6	8	<2	12	24.44	.007	7	4	11.20	44	<.01	7	.23	<.01	.07	20	.01
UG96-3 6.31-7.55	73	30	179	239	.4	3	<1	7472	2.92	51	<5	<2	5	152	.4	7	6	17	11.33	.057	10	<1	.50	85	.04	34	1.10	.01	.06	2145	.03
UG96-3 7.55-8.18	11	85	29305	66736	149.2	7	18	8144	6.83	3	<5	<2	<2	147	564.1	139	63	24	16.62	<.001	3	4	7.35	48	<.01	3	.14	<.01	.10	<2	.02
UG96-3 8.18-9.44	5	381	2382	3831	14.3	28	10	11396	7.30	600	<5	<2	<2	284	37.8	16	7	28	22.54	.006	2	<1	11.59	48	<.01	8	.09	<.01	.02	83	.08
UG96-3 9.44-10.96	2	51	199	181	.3	44	23	1010	4.92	17	<5	<2	3	268	1.3	<2	<2	71	5.91	.156	27	79	3.39	79	.04	4	2.54	.07	.47	<2	.02
RE UG96-3 9.44-10.96	3	58	193	185	.3	44	23	1032	5.07	23	<5	<2	3	273	1.6	<2	<2	73	6.07	.158	27	81	3.48	79	.04	4	2.58	.07	.46	<2	<.01
RRE UG96-3 9.44-10.96	2	53	199	184	.4	44	23	1037	5.04	60	<5	<2	<2	272	1.5	<2	2	73	6.08	.159	27	83	3.50	87	.05	4	2.56	.07	.48	<2	<.01
UG96-3 10.96-12.50	7	3	59	102	.6	4	6	5265	2.06	6431	<5	<2	<2	279	<.2	9	3	10	21.54	<.001	3	6	12.55	34	<.01	8	.12	<.01	.03	<2	.03
UG96-3 12.50-12.85	12	35	79	42	6.1	13	38	18828	9.51	45398	<5	<2	<2	207	1.5	72	59	8	12.35	<.001	2	9	5.89	25	<.01	5	.15	.01	.06	<2	.43
UG96-3 12.85-14.41	18	1	91	267	<.3	7	1	2427	1.38	150	<5	<2	<2	354	.6	2	<2	27	25.00	.016	5	6	13.80	114	<.01	8	.20	.01	.10	<2	<.01
UG96-3 14.41-15.10	9	240	923	34314	6.3	36	26	3928	13.14	3485	<5	<2	<2	267	360.8	46	22	20	14.84	<.001	1	5	10.92	22	<.01	<3	.10	<.01	.02	<2	.25
UG96-3 15.10-16.95	5	46	303	7905	14.1	8	7	15165	4.21	769	<5	<2	2	310	82.7	32	267	15	20.52	<.001	3	5	10.85	29	<.01	<3	.08	.01	.01	<2	.09
UG96-3 16.95-18.13	4	257	1526	266	71.6	4	53	6927	14.22	463	8	<2	<2	50	3.6	210	1419	7	3.65	.002	<1	9	1.62	14	<.01	6	.15	.01	.06	<2	2.28
UG96-3 18.13-19.81	1	18	36	168	.8	18	8	1682	2.41	9	<5	<2	8	240	.2	<2	9	17	19.44	.139	23	22	.66	49	.06	6	1.24	.01	.19	2	.02
UG96-3 19.81-21.38	1	9	36	55	.7	7	5	2042	1.26	17	<5	<2	<2	459	<.2	2	10	6	33.59	.157	14	7	.26	31	.02	3	.60	.01	.05	<2	.02
UG96-3 21.38-21.68	<1	4	15	37	1.1	2	6	26839	8.99	<2	13	<2	<2	200	.9	2	13	10	15.54	.054	6	11	3.80	26	<.01	6	.62	.01	.22	5	.02
UG96-3 21.68-22.53	2	15	36	261	.3	25	8	1559	2.32	<2	<5	<2	10	159	<.2	2	<2	19	12.42	.041	21	26	.93	33	.08	5	1.35	.03	.14	5	<.01
UG96-3 22.53-24.70	1	21	<3	76	<.3	35	13	893	3.67	<2	<5	<2	10	45	<.2	2	<2	54	4.02	.041	20	65	1.27	64	.22	<3	2.89	.07	.79	<2	.02
UG96-3 24.70-25.37	2	21	3	52	<.3	24	10	1274	3.11	<2	<5	<2	12	93	<.2	<2	<2	25	8.87	.074	26	31	.94	33	.11	4	1.71	.01	.37	<2	<.01
UG96-3 25.37-27.13	1	21	6	99	<.3	34	14	977	3.88	<2	5	<2	11	22	<.2	<2	<2	49	2.27	.049	23	63	1.21	60	.21	<3	2.50	.03	.90	2	<.01
UG96-3 27.13-31.27	1	19	<3	104	<.3	43	17	617	4.65	<2	<5	<2	7	27	.2	<2	<2	60	2.04	.033	15	78	1.51	103	.25	<3	4.39	.14	1.49	<2	<.01
UG96-3 31.27-32.00	<1	51	5	50	<.3	44	19	1359	4.13	<2	<5	<2	8	32	.3	<2	<2	22	3.18	.026	15	32	1.00	56	.05	5	1.78	.02	.49	<2	<.01
STANDARD C2/AU-1	21	62	43	136	7.1	77	40	1188	4.20	44	20	8	40	56	20.1	16	25	78	.54	.105	44	67	1.06	203	.09	29	2.13	.07	.16	14	3.41

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 26 1996 **DATE REPORT MAILED:** Aug 3/96 **SIGNED BY** C. L........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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3023R

P.O. Box 10435, 1610 - 777, Vancouver BC V7Y 1K5

SAMPLE#	Zn %
UG96-2 4.88-5.16	3.08
UG96-2 5.16-5.25	10.63
UG96-2 5.25-6.13	11.53
RRE UG96-2 5.25-6.13	12.68
UG96-2 16.18-17.16	1.95
STANDARD R-1	2.44

.25 GM SAMPLE LEACHED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: AUG 7 1996 DATE REPORT MAILED: Aug 15/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JEREY File # 96-3723

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	Au** gm/t
UG96-1 6.80-7.92	2	14	167	891	1.8	9	4	7036	2.08	29	6	<2	25	410	6.9	7	14	14	27.91	.036	3	9	7.33	81	.02	5	.58	.01	.11	<2	.03
UG96-1 10.01-11.11	109	1	86	69	.4	1	1	6752	1.50	10	<5	<2	28	299	1.0	2	6	9	22.19	.015	2	5	14.21	23	<.01	4	.09	.01	<.01	<2	.02
UG96-1 13.92-14.47	5	3	117	332	<.3	7	1	1846	.92	16	<5	<2	10	281	2.9	<2	2	21	23.38	.034	2	6	14.14	117	<.01	8	.19	.01	.11	<2	.06
UG96-1 15.57-17.14	2	9	148	1291	.9	7	1	2302	1.63	110	5	<2	8	247	9.9	8	7	31	24.29	.045	2	5	13.23	57	<.01	6	.10	<.01	.04	<2	.04
UG96-1 30.94-32.31	<1	15	17	52	.3	<1	<1	2692	.64	40	<5	<2	8	214	.9	8	<2	7	40.52	.018	<1	1	1.47	18	<.01	4	.03	<.01	.02	<2	.03
UG96-1 33.83-35.66	1	1	29	74	<.3	1	<1	135	.09	3	7	<2	<2	204	1.0	<2	<2	7	40.79	.016	<1	3	2.00	31	<.01	3	.06	<.01	.05	<2	.02
Z96-1 13.10-14.60	<1	9	10	40	<.3	15	4	427	.93	<2	<5	<2	2	283	<.2	<2	<2	7	33.28	.049	8	14	.46	11	.03	3	1.83	.08	.06	<2	.06
Z96-1 20.75-22.25	<1	12	8	50	<.3	25	10	287	2.50	4	<5	<2	9	127	1.0	<2	<2	26	21.78	.043	9	35	2.44	89	.09	<3	1.70	.04	.55	<2	.07
Z96-1 25.21-26.75	<1	7	27	51	<.3	13	4	258	1.14	<2	10	<2	2	165	.3	<2	<2	12	27.51	.055	5	15	5.67	196	.04	<3	1.26	.03	.48	<2	.03
Z96-1 26.75-28.12	1	7	20	71	<.3	15	4	464	1.41	<2	<5	<2	6	177	.6	<2	<2	16	26.86	.074	5	19	6.92	270	.06	3	1.94	.03	1.25	<2	.03
RE Z96-1 26.75-28.12	1	7	17	71	<.3	15	4	470	1.43	3	<5	<2	6	179	.4	<2	3	16	27.16	.074	4	21	7.11	274	.06	3	1.98	.03	1.28	<2	<.01
RRE Z96-1 26.75-28.12	1	7	22	73	<.3	15	4	487	1.48	<2	9	<2	6	188	.4	2	2	17	28.75	.083	5	22	7.06	281	.07	3	2.02	.03	1.31	<2	<.01
Z96-1 28.12-29.45	1	5	15	81	<.3	13	4	498	1.43	<2	8	<2	5	169	.3	<2	<2	17	25.14	.069	4	22	9.61	287	.06	<3	1.61	.01	1.18	<2	.03
Z96-1 29.45-30.89	<1	10	27	28	<.3	19	6	341	1.45	2	7	<2	6	224	.2	<2	<2	10	28.58	.069	5	17	1.67	76	.04	4	1.73	.04	.34	<2	.04
Z96-1 30.89-32.35	<1	4	5	15	<.3	14	5	367	1.04	<2	12	<2	3	260	.4	<2	<2	9	35.66	.078	5	13	.47	15	.03	4	1.10	.03	.14	<2	<.01
Z96-1 32.35-33.59	<1	9	4	14	<.3	16	5	372	1.04	<2	6	<2	4	209	.6	<2	<2	7	30.82	.080	4	14	.50	28	.03	5	.76	.02	.12	<2	.05
Z96-1 33.59-34.32	1	54	27	87	<.3	47	18	198	2.94	8	<5	<2	14	77	.6	<2	2	37	8.57	.067	18	58	1.72	97	.13	6	1.91	.02	.76	<2	.06
Z96-1 35.82-37.96	<1	7	6	18	<.3	20	5	471	1.28	3	<5	<2	4	264	.4	2	<2	12	35.62	.083	6	19	.53	22	.03	5	.39	.01	.09	<2	.03
Z96-1 40.32-40.97	1	15	3	59	<.3	102	16	433	3.66	5	5	<2	6	80	.6	3	8	41	3.53	.046	17	82	3.77	26	.17	<3	2.48	.01	.21	<2	.02
Z96-1 42.67-44.40	3	38	11	67	<.3	99	17	376	3.04	11	5	<2	9	192	.9	2	<2	67	6.18	.084	16	87	2.41	111	.21	3	3.05	.13	.19	<2	.04
Z96-1 44.40-46.38	2	48	10	68	.3	152	29	376	4.41	17	<5	<2	5	106	.4	<2	<2	70	1.79	.085	14	104	1.73	61	.27	3	2.47	.05	.32	<2	.07
Z96-1 46.38-47.36	1	26	33	106	<.3	27	10	359	3.04	11	<5	<2	10	52	.4	<2	<2	28	1.35	.028	25	38	.99	26	.15	<3	2.26	.02	.25	3	.03
RE Z96-1 46.38-47.36	2	27	45	122	<.3	31	13	369	3.15	23	<5	<2	11	52	.4	2	<2	29	1.39	.029	26	40	1.05	26	.16	3	2.30	.02	.25	3	.04
RRE Z96-1 46.38-47.36	1	22	7	60	<.3	29	10	353	3.02	17	5	<2	10	44	<.2	2	4	26	1.29	.029	25	37	1.02	29	.15	3	2.08	.02	.26	3	<.01
Z96-1 48.81-50.13	1	40	10	77	<.3	47	14	489	4.01	5	5	<2	9	43	.2	3	5	62	1.11	.038	15	73	1.50	61	.24	3	2.48	.10	.73	2	.03
Z96-1 54.00-55.37	1	53	3	80	<.3	65	21	288	3.64	8	<5	<2	5	65	.3	3	5	80	2.01	.093	18	87	1.45	95	.38	3	2.28	.11	.93	2	.02
Z96-1 63.94-65.23	1	126	4	60	<.3	82	25	521	4.20	2	<5	<2	<2	51	.9	3	<2	134	4.70	.127	5	118	2.42	471	.44	<3	2.58	.27	.48	<2	.02
STANDARD C2/AU-R	20	57	42	141	6.2	72	37	1141	3.93	45	18	8	35	50	19.9	15	25	72	.53	.103	39	66	1.02	195	.08	29	1.97	.06	.14	14	3.18

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 14 1996 DATE REPORT MAILED: Aug 28/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4009

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	Au** gm/t
Z96-2 2.46-3.71	27	143	18	891	1.8	121	10	64	1.28	<2	16	<2	7	85	11.1	4	2	483	2.58	.769	12	45	.64	60	.07	3	1.97	.03	.20	<2	.02
Z96-2 3.71-5.16	27	131	15	1106	1.3	102	8	60	1.51	<2	9	<2	5	112	12.4	<2	<2	531	2.89	.729	11	48	.69	56	.07	<3	2.22	.07	.25	<2	.03
Z96-2 5.16-6.48	25	161	20	1808	.8	110	9	103	2.08	<2	14	<2	7	100	24.1	4	<2	985	2.80	.728	10	73	1.51	43	.08	4	2.53	.06	.43	<2	<.01
Z96-2 6.48-7.79	23	159	19	1085	.6	101	9	123	2.05	2	17	<2	7	53	13.7	2	<2	943	2.55	.833	14	79	1.40	51	.08	5	1.71	.02	.42	<2	.02
Z96-2 7.79-9.16	23	162	31	1887	2.6	100	9	76	2.24	<2	12	<2	6	134	25.9	2	2	453	3.37	.764	11	40	.62	44	.07	<3	2.22	.08	.18	<2	.02
Z96-2 9.16-10.52	25	117	19	975	.4	93	7	100	1.80	5	15	<2	6	122	14.0	4	<2	922	3.08	.673	13	60	1.07	73	.08	5	2.28	.08	.32	2	.01
Z96-2 10.52-11.95	25	127	20	1402	.6	97	8	87	1.85	2	15	<2	6	130	20.1	3	<2	873	3.28	.627	12	57	.93	105	.08	3	2.47	.07	.28	<2	.03
Z96-2 11.95-13.30	24	158	32	1682	1.9	101	8	80	2.02	3	14	<2	6	164	24.6	3	<2	602	3.96	.841	13	49	.50	139	.08	<3	2.29	.10	.19	3	.01
Z96-2 13.30-14.64	26	126	26	1292	2.4	93	8	52	1.85	<2	13	<2	5	167	18.4	<2	<2	343	3.04	.509	10	33	.33	162	.07	<3	2.21	.11	.12	<2	.01
RE Z96-2 13.30-14.64	27	129	30	1326	2.5	95	8	61	1.88	<2	19	<2	6	168	19.0	2	<2	351	3.13	.520	10	33	.34	167	.07	3	2.25	.11	.13	<2	.03
RRE Z96-2 13.30-14.64	26	117	25	1252	2.4	92	8	60	1.83	<2	16	<2	6	162	17.9	2	<2	356	3.05	.501	11	34	.34	162	.07	4	2.20	.10	.12	2	.01
Z96-2 14.64-16.12	27	137	20	1549	2.3	104	7	63	1.82	<2	15	<2	5	155	23.1	2	<2	470	3.42	.677	11	33	.30	118	.07	<3	2.10	.10	.16	<2	<.01
Z96-2 16.12-17.52	22	140	16	1133	.6	102	8	88	2.08	<2	15	<2	6	177	16.3	2	<2	832	3.95	.875	14	62	.76	166	.08	<3	2.52	.10	.32	<2	.01
STANDARD C2/AU-1	20	57	43	130	6.2	71	35	1157	3.95	43	26	7	34	50	20.1	15	14	69	.52	.105	40	63	.99	182	.07	29	2.03	.08	.17	10	3.30

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 1996 DATE REPORT MAILED: Sept 5/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4010

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	Au** gm/t
Z96-2 17.52-18.96	26	144	37	1882	2.9	101	7	48	1.84	3	11	<2	5	179	27.4	2	<2	531	3.78	.790	11	37	.36	200	.07	<3	2.20	.11	.17	3	.02
Z96-2 18.96-20.40	29	134	25	1868	2.9	108	7	70	1.93	<2	16	<2	5	138	27.4	3	<2	1059	3.21	.616	13	58	.81	165	.09	<3	2.22	.08	.37	4	<.01
Z96-2 20.40-21.90	28	150	35	2345	3.5	106	7	57	2.02	<2	8	<2	4	197	35.0	3	<2	816	3.47	.617	10	46	.47	191	.08	<3	2.39	.10	.23	3	.01
Z96-2 21.90-23.38	28	132	40	1831	3.5	100	7	76	1.83	<2	15	<2	6	153	26.9	6	<2	1172	2.92	.530	14	68	.69	285	.10	<3	2.41	.12	.37	5	.01
Z96-2 23.38-24.79	26	139	30	1184	2.9	96	8	66	2.02	<2	6	<2	5	161	17.0	2	<2	826	3.11	.611	11	64	.80	252	.07	<3	2.55	.21	.34	2	.01
Z96-2 24.79-26.25	26	158	34	1289	3.8	101	8	54	2.21	<2	7	<2	5	188	18.7	4	<2	536	3.58	.676	13	41	.45	197	.07	<3	2.61	.18	.19	3	.01
Z96-2 26.25-27.68	24	154	32	1902	3.7	102	7	45	2.08	4	8	<2	5	194	27.7	5	<2	446	4.11	.852	13	38	.35	183	.07	<3	2.47	.12	.15	3	.02
Z96-2 27.68-29.14	24	159	24	1072	2.7	100	8	89	1.95	<2	9	<2	7	123	14.9	2	<2	1100	3.35	.825	13	78	1.07	189	.08	<3	2.16	.09	.41	3	.01
RE Z96-2 27.68-29.14	23	156	22	1024	2.7	97	7	83	1.90	<2	10	<2	6	120	14.3	2	<2	1074	3.23	.803	13	79	1.03	219	.08	<3	2.11	.09	.44	3	.01
RRE Z96-2 27.68-29.14	25	151	23	1081	2.6	100	8	75	1.89	<2	8	<2	6	117	15.1	2	<2	1058	3.20	.781	13	72	1.04	194	.07	<3	2.06	.08	.38	<2	.02
Z96-2 29.14-31.09	24	167	24	1468	3.3	99	7	76	1.85	3	10	<2	6	110	21.2	4	<2	565	3.77	.800	13	47	.69	61	.06	3	1.51	.04	.21	3	.01
Z96-2 31.09-32.86	17	129	15	1160	2.6	79	7	160	1.65	7	<5	<2	5	460	16.6	6	<2	605	9.16	.676	17	43	1.00	115	.01	5	1.15	.01	.22	<2	.01
Z96-2 32.86-35.11	25	148	16	1017	2.6	99	8	72	2.08	<2	7	<2	5	135	13.5	2	<2	867	3.57	.763	13	70	1.04	72	.08	<3	2.61	.10	.39	2	.02
STANDARD C2/AU-1	20	61	41	136	6.4	73	36	1189	4.04	45	19	7	35	52	20.6	18	15	73	.53	.109	42	64	1.01	182	.07	28	2.14	.08	.17	10	3.13

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 28 1996 DATE REPORT MAILED: Sept 5/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4010

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	Au** gm/t
Z96-2 17.52-18.96	26	144	37	1882	2.9	101	7	48	1.84	3	11	<2	5	179	27.4	2	<2	531	3.78	.790	11	37	.36	200	.07	<3	2.20	.11	.17	3	.02
Z96-2 18.96-20.40	29	134	25	1868	2.9	108	7	70	1.93	<2	16	<2	5	138	27.4	3	<2	1059	3.21	.616	13	58	.81	165	.09	<3	2.22	.08	.37	4	<.01
Z96-2 20.40-21.90	28	150	35	2345	3.5	106	7	57	2.02	<2	8	<2	4	197	35.0	3	<2	816	3.47	.617	10	46	.47	191	.08	<3	2.39	.10	.23	3	.01
Z96-2 21.90-23.38	28	132	40	1831	3.5	100	7	76	1.83	<2	15	<2	6	153	26.9	6	<2	1172	2.92	.530	14	68	.69	285	.10	<3	2.41	.12	.37	5	.01
Z96-2 23.38-24.79	26	139	30	1184	2.9	96	8	66	2.02	<2	6	<2	5	161	17.0	2	<2	826	3.11	.611	11	64	.80	252	.07	<3	2.55	.21	.34	2	.01
Z96-2 24.79-26.25	26	158	34	1289	3.8	101	8	54	2.21	<2	7	<2	5	188	18.7	4	<2	536	3.58	.676	13	41	.45	197	.07	<3	2.61	.18	.19	3	.01
Z96-2 26.25-27.68	24	154	32	1902	3.7	102	7	45	2.08	4	8	<2	5	194	27.7	5	<2	446	4.11	.852	13	38	.35	183	.07	<3	2.47	.12	.15	3	.02
Z96-2 27.68-29.14	24	159	24	1072	2.7	100	8	89	1.95	<2	9	<2	7	123	14.9	2	<2	1100	3.35	.825	13	78	1.07	189	.08	<3	2.16	.09	.41	3	.01
RE Z96-2 27.68-29.14	23	156	22	1024	2.7	97	7	83	1.90	<2	10	<2	6	120	14.3	2	<2	1074	3.23	.803	13	79	1.03	219	.08	<3	2.11	.09	.44	3	.01
RRE Z96-2 27.68-29.14	25	151	23	1081	2.6	100	8	75	1.89	<2	8	<2	6	117	15.1	2	<2	1058	3.20	.781	13	72	1.04	194	.07	<3	2.06	.08	.38	<2	.02
Z96-2 29.14-31.09	24	167	24	1468	3.3	99	7	76	1.85	3	10	<2	6	110	21.2	4	<2	565	3.77	.800	13	47	.69	61	.06	3	1.51	.04	.21	3	.01
Z96-2 31.09-32.86	17	129	15	1160	2.6	79	7	160	1.65	7	<5	<2	5	460	16.6	6	<2	605	9.16	.676	17	43	1.00	115	.01	5	1.15	.01	.22	<2	.01
Z96-2 32.86-35.11	25	148	16	1017	2.6	99	8	72	2.08	<2	7	<2	5	135	13.5	2	<2	867	3.57	.763	13	70	1.04	72	.08	<3	2.61	.10	.39	2	.02
STANDARD C2/AU-1	20	61	41	136	6.4	73	36	1189	4.04	45	19	7	35	52	20.6	18	15	73	.53	.109	42	64	1.01	182	.07	28	2.14	.08	.17	10	3.13

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 28 1996 DATE REPORT MAILED: Sept 5/96 SIGNED BY.....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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4091

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	Au** gm/t
Z96-2 35.11-37.16	27	166	21	986	2.6	102	8	102	2.18	2	29	<2	9	157	12.1	<2	<2	1005	3.47	.739	14	89	1.45	91	.10	4	2.92	.10	.59	<2	<.01
Z96-2 37.16-38.40	26	181	21	1907	3.3	105	7	73	2.16	<2	28	<2	8	80	26.2	<2	<2	602	2.96	.618	13	48	.63	59	.08	4	1.61	.03	.19	<2	.02
Z96-2 38.40-40.63	25	135	23	1433	2.3	100	7	93	1.77	<2	27	<2	7	131	19.0	<2	<2	792	3.38	.720	14	64	.99	103	.07	4	1.87	.11	.26	<2	.02
Z96-2 40.63-41.73	27	151	24	846	2.6	107	7	93	2.06	2	26	<2	7	254	10.9	<2	<2	932	3.29	.718	15	78	.97	82	.09	3	2.59	.21	.46	<2	<.01
Z96-2 41.73-43.28	26	157	36	1147	3.1	99	7	66	2.03	2	24	<2	8	236	14.5	<2	<2	455	3.43	.661	15	50	.48	88	.08	4	2.51	.18	.21	<2	<.01
Z96-2 43.28-44.54	30	136	24	1694	2.3	99	6	81	1.72	<2	28	<2	7	169	22.9	<2	<2	1043	2.56	.544	14	63	.90	142	.10	3	2.12	.09	.47	<2	<.01
Z96-2 44.54-45.63	26	132	13	1382	2.2	97	5	79	1.70	<2	26	<2	7	216	18.2	<2	<2	959	3.08	.636	15	60	.82	117	.09	3	2.43	.09	.42	<2	<.01
Z96-2 45.63-47.51	26	134	16	1167	2.1	97	6	83	1.81	<2	24	<2	7	224	14.8	3	<2	869	2.87	.586	15	66	.96	76	.07	3	2.24	.07	.39	<2	<.01
Z96-2 47.51-48.88	22	123	19	1680	2.9	84	7	72	1.84	2	21	<2	6	148	21.6	2	2	305	2.71	.524	12	39	.46	64	.06	3	1.97	.08	.14	<2	.02
Z96-2 48.88-50.46	32	128	18	571	2.1	106	8	88	2.10	<2	27	<2	7	158	6.9	2	<2	846	2.69	.562	13	70	.99	81	.09	3	2.36	.12	.47	<2	<.01
RE Z96-2 48.88-50.46	31	125	17	547	2.1	102	8	85	2.03	<2	27	<2	7	153	6.5	<2	<2	818	2.59	.543	12	67	.96	85	.09	3	2.29	.11	.46	<2	<.01
RRE Z96-2 48.88-50.46	34	140	22	555	2.2	114	9	88	2.29	<2	23	<2	8	161	6.7	<2	2	845	2.71	.557	13	72	1.02	80	.09	3	2.40	.12	.46	<2	.02
Z96-2 50.46-51.58	33	92	15	652	1.6	96	7	72	1.69	<2	25	<2	6	138	8.0	2	<2	662	2.06	.404	10	53	.66	148	.08	4	1.74	.07	.31	3	<.01
Z96-2 51.58-52.08	32	85	12	354	1.5	83	7	67	1.71	3	22	<2	5	111	4.0	2	3	354	1.23	.101	6	41	.51	183	.07	<3	1.29	.07	.20	4	<.01
Z96-2 52.08-53.73	32	103	18	632	2.1	93	8	57	1.79	<2	18	<2	5	147	7.6	2	<2	249	2.32	.225	8	32	.38	205	.06	3	1.76	.08	.08	3	<.01
Z96-2 53.73-55.12	25	78	14	867	1.8	79	7	47	1.75	<2	14	<2	6	151	10.0	2	<2	160	1.91	.238	8	26	.20	204	.07	3	1.75	.12	.07	<2	<.01
Z96-2 55.12-56.24	18	64	15	613	1.3	58	5	41	1.39	<2	18	<2	6	177	7.0	2	3	154	1.69	.184	8	29	.19	173	.07	<3	1.59	.12	.10	2	<.01
Z96-2 56.24-58.35	20	80	15	702	1.3	61	4	42	1.28	3	13	<2	5	134	8.1	<2	<2	159	1.74	.268	8	31	.13	140	.06	<3	1.45	.09	.05	3	.01
Z96-2 58.35-60.26	24	68	15	275	1.2	75	6	32	1.58	2	18	<2	6	132	3.0	<2	<2	135	1.35	.156	6	28	.16	128	.07	<3	1.49	.18	.10	3	<.01
Z96-2 60.26-61.82	21	75	103	1225	3.6	64	5	58	1.42	<2	14	<2	5	195	14.4	2	4	133	2.09	.266	8	31	.12	143	.06	3	1.73	.11	.03	<2	<.01
Z96-2 61.82-64.01	24	106	13	548	1.3	76	6	50	1.49	<2	16	<2	5	143	6.4	<2	<2	418	2.07	.402	10	48	.42	168	.07	<3	1.78	.13	.22	2	<.01
Z96-2 64.01-66.87	28	119	15	1029	1.4	104	7	68	1.86	<2	26	<2	7	181	12.4	<2	<2	723	3.02	.632	14	61	.67	180	.09	3	2.31	.14	.34	<2	.02
RE Z96-2 64.01-66.87	29	128	13	1075	1.5	111	7	70	1.94	<2	23	<2	8	191	13.1	<2	<2	762	3.15	.659	15	64	.70	180	.10	3	2.44	.15	.35	<2	<.01
RRE Z96-2 64.01-66.87	29	130	12	1186	1.4	111	7	64	1.93	3	22	<2	7	191	14.5	2	<2	744	3.15	.656	14	62	.69	147	.09	3	2.45	.15	.35	<2	<.01
Z96-2 66.87-68.08	26	124	15	992	1.6	98	8	86	2.07	<2	21	<2	8	154	11.5	2	2	711	3.20	.524	11	64	1.00	91	.08	<3	2.47	.11	.41	<2	.02
Z96-2 68.08-69.99	27	136	11	637	1.8	100	8	62	2.03	4	23	<2	8	207	7.9	2	2	473	3.51	.596	14	46	.53	82	.08	<3	2.80	.12	.24	<2	<.01
Z96-2 69.99-72.00	27	108	11	1033	1.1	93	7	79	1.75	<2	19	<2	6	166	13.1	<2	<2	772	3.90	.512	12	63	.76	159	.09	<3	2.38	.09	.33	<2	<.01
Z96-2 72.00-73.32	25	128	8	1542	1.9	101	6	59	1.99	2	26	<2	7	199	20.1	<2	<2	464	3.30	.629	15	42	.34	105	.09	6	2.42	.13	.16	<2	<.01
Z96-2 73.32-75.49	21	148	8	937	1.8	83	8	95	2.45	<2	22	<2	9	245	11.6	2	2	783	3.40	.519	14	83	1.26	89	.12	<3	3.90	.24	.58	<2	.01
Z96-2 75.49-77.55	21	130	7	952	1.5	91	7	96	2.29	2	28	<2	8	225	12.7	<2	<2	869	3.60	.597	15	84	1.42	83	.12	3	3.99	.26	.66	<2	.03
STANDARD C2/AU-1	20	57	41	139	6.6	70	33	1134	3.77	39	23	8	37	51	19.6	15	19	71	.52	.107	41	65	.98	194	.07	27	1.99	.06	.14	11	3.19

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
<u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: AUG 29 1996 DATE REPORT MAILED: Sept 11/96 SIGNED BY.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4092

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	Au** gm/t
Z96-2 77.55-80.48	19	155	14	731	1.4	108	10	112	2.79	<2	24	<2	8	239	10.5	<2	3	941	4.35	.693	13	109	1.80	42	.13	<3	4.14	.21	.77	<2	.01
Z96-2 80.48-83.41	15	132	<3	856	1.3	96	9	117	2.79	<2	23	<2	7	193	12.4	<2	2	1159	3.77	.623	11	112	2.25	43	.15	<3	4.03	.22	1.07	<2	<.01
Z96-2 83.41-86.36	25	118	11	938	1.6	107	8	79	2.32	<2	20	<2	6	266	12.5	<2	2	670	3.81	.572	12	69	1.02	49	.13	<3	3.44	.21	.49	2	<.01
Z96-2 86.36-89.68	27	140	10	812	1.4	112	7	75	1.96	<2	21	<2	6	287	10.2	2	<2	828	3.29	.623	15	65	.67	48	.10	<3	2.39	.11	.40	3	.02
Z96-2 89.68-91.00	21	195	22	665	2.1	118	8	44	2.07	<2	21	<2	7	250	8.4	<2	<2	267	4.25	.798	14	29	.22	41	.09	<3	2.46	.11	.09	3	<.01
Z96-2 91.00-92.94	30	131	10	1219	1.3	117	6	79	1.56	6	27	<2	6	129	15.2	<2	<2	977	2.89	.551	17	62	.62	96	.12	<3	1.73	.04	.27	3	.01
Z96-2 92.94-94.43	21	143	11	924	1.4	103	7	70	1.78	7	23	<2	5	177	10.8	<2	<2	530	3.56	.745	12	44	.45	94	.08	<3	2.08	.09	.22	3	.02
Z96-2 94.43-96.04	19	87	7	262	.9	61	5	51	1.28	4	9	<2	3	64	2.7	<2	<2	220	1.60	.284	8	32	.32	168	.08	<3	.94	.03	.13	5	<.01
Z96-2 96.04-97.84	22	95	12	598	1.4	96	5	194	1.61	<2	20	<2	6	46	6.2	<2	<2	899	4.39	.575	14	66	1.25	95	.11	<3	2.00	.01	.17	6	<.01
Z96-2 97.84-99.58	12	66	13	225	.7	72	18	597	4.02	8	<5	<2	4	126	1.4	<2	<2	375	3.74	.259	42	55	2.56	179	.44	<3	3.02	.03	.14	2	<.01
RE Z96-2 97.84-99.58	12	64	11	234	.7	71	18	590	4.00	<2	<5	<2	4	124	1.5	<2	<2	371	3.70	.254	39	52	2.54	175	.43	<3	2.99	.03	.15	<2	<.01
RRE Z96-2 97.84-99.58	12	68	15	240	.9	74	20	638	4.33	3	5	<2	4	138	1.1	<2	<2	378	4.08	.274	44	57	2.73	172	.44	<3	3.31	.03	.14	<2	<.01
Z96-2 99.58-101.12	23	153	29	628	1.5	91	8	112	2.22	<2	16	<2	4	81	6.1	<2	<2	509	4.19	.423	13	51	.84	58	.12	<3	2.88	.01	.09	5	.02
Z96-2 101.12-102.45	9	338	23	371	2.0	67	10	59	2.51	3	12	<2	4	91	3.6	<2	<2	94	2.75	.567	11	37	.33	44	.09	<3	1.48	.06	.13	4	<.01
Z96-2 102.45-104.65	7	315	17	182	1.4	67	9	49	2.18	3	11	<2	2	68	1.6	2	<2	101	2.69	.563	10	45	.40	49	.09	<3	1.41	.04	.16	4	<.01
Z96-2 104.65-107.59	9	332	14	398	1.9	65	10	62	2.53	2	14	<2	4	59	3.8	<2	2	113	3.00	.546	12	53	.57	54	.10	<3	1.48	.03	.19	4	<.01
Z96-2 107.59-110.57	14	286	8	240	1.5	63	10	55	2.68	<2	11	<2	5	115	2.3	<2	<2	76	3.17	.370	12	34	.32	42	.11	<3	2.11	.07	.13	3	<.01
Z96-2 110.57-113.44	16	254	11	379	1.6	69	11	48	2.77	3	11	<2	5	122	4.6	<2	<2	119	3.19	.457	11	37	.33	41	.09	<3	2.46	.12	.14	3	<.01
Z96-2 113.44-116.48	13	227	11	371	1.6	71	10	62	2.63	5	12	<2	5	108	4.4	<2	<2	185	2.94	.450	12	43	.45	49	.11	<3	2.07	.11	.18	3	<.01
Z96-2 116.48-119.08	20	117	7	666	1.3	89	8	79	2.14	5	18	<2	7	108	8.6	<2	3	588	3.30	.612	16	65	.90	60	.12	<3	2.00	.11	.36	3	<.01
STANDARD C2/AU-1	19	55	37	132	6.4	70	33	1100	3.71	42	21	7	33	50	19.3	15	18	69	.51	.099	38	63	.90	189	.08	23	1.89	.06	.15	13	3.12

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 1996 DATE REPORT MAILED: Sept 12/96 SIGNED BY.......... 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4167

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	Au** gm/t
Z96-2 119.08-121.90	20	139	13	625	1.6	76	9	110	2.68	5	11	<2	9	108	8.5	<2	2	554	2.89	.455	14	66	1.33	165	.11	<3	2.21	.11	.38	<2	<.01
Z96-2 121.90-124.05	16	94	10	714	1.4	73	10	162	2.80	<2	7	<2	9	156	8.9	<2	<2	746	2.75	.358	14	76	2.32	168	.16	<3	3.65	.19	.76	<2	<.01
Z96-2 124.05-125.49	23	87	12	722	1.2	82	8	106	2.04	<2	10	<2	8	164	8.7	<2	<2	450	2.98	.438	14	51	1.30	200	.10	4	2.37	.08	.39	<2	<.01
Z96-2 125.49-127.20	9	51	16	337	.8	39	4	101	1.37	<2	10	<2	9	110	4.2	<2	2	401	2.73	.248	9	45	.85	168	.07	<3	1.78	.06	.36	<2	<.01
Z96-2 127.20-129.16	20	91	15	1110	1.8	70	7	99	2.38	<2	7	<2	8	496	13.5	2	<2	558	3.38	.421	15	58	1.33	101	.10	<3	3.15	.15	.40	<2	<.01
Z96-2 129.16-130.81	13	94	18	583	2.1	60	9	138	3.04	<2	<5	<2	10	242	7.5	2	<2	686	2.63	.280	11	87	2.27	130	.15	3	4.28	.29	.95	<2	<.01
Z96-2 130.81-132.44	15	69	10	477	1.5	61	8	126	2.41	<2	5	<2	9	410	5.4	<2	<2	601	2.48	.241	9	70	2.15	140	.14	3	3.85	.22	.80	<2	<.01
Z96-2 132.44-133.60	21	101	11	2176	1.5	83	9	84	2.41	2	7	<2	7	108	26.8	<2	<2	329	2.62	.312	9	34	.77	120	.08	4	2.24	.04	.15	<2	<.01
Z96-2 133.60-134.90	18	85	11	229	1.0	67	7	69	1.94	<2	8	<2	7	130	2.5	<2	<2	342	3.37	.359	11	46	.68	188	.09	<3	2.45	.07	.27	<2	<.01
Z96-2 134.90-137.80	20	113	10	492	1.1	72	9	106	2.64	<2	9	<2	9	112	5.3	<2	<2	594	3.09	.474	13	82	1.67	171	.13	<3	3.23	.10	.63	<2	<.01
RE Z96-2 134.90-137.80	21	118	11	511	1.3	73	9	112	2.75	<2	12	<2	10	115	5.4	<2	<2	616	3.21	.491	14	86	1.73	167	.13	<3	3.34	.10	.66	<2	<.01
RRE Z96-2 134.90-137.80	20	119	12	494	1.1	72	9	113	2.71	<2	12	<2	9	117	5.2	2	<2	640	3.23	.496	14	87	1.84	181	.13	3	3.39	.10	.69	<2	<.01
Z96-2 137.80-139.16	8	261	15	120	1.6	63	12	87	3.07	<2	<5	<2	6	69	1.3	<2	2	91	3.30	.423	13	41	.80	147	.08	<3	1.69	.02	.12	4	.01
Z96-2 139.16-140.65	9	275	12	170	1.8	61	9	81	2.53	<2	6	<2	5	72	1.6	2	<2	85	3.83	.486	12	39	.59	160	.07	<3	1.44	.02	.13	4	.01
Z96-2 140.65-143.50	10	334	14	303	1.4	66	10	55	2.69	<2	<5	<2	5	79	2.6	<2	<2	75	2.81	.546	12	37	.41	138	.07	3	1.54	.04	.18	<2	<.01
Z96-2 143.50-146.46	7	230	24	152	1.3	44	10	114	2.47	<2	<5	<2	5	67	1.2	2	<2	61	2.39	.349	11	30	.50	134	.08	<3	1.26	.03	.12	3	<.01
Z96-2 146.46-149.66	8	235	57	174	1.9	60	9	76	2.79	<2	<5	<2	5	86	1.7	<2	<2	79	3.33	.519	12	42	.42	126	.08	<3	1.73	.06	.14	2	<.01
Z96-2 149.66-151.06	8	339	50	185	2.1	61	11	57	2.69	<2	<5	<2	5	55	1.8	<2	<2	78	2.07	.434	10	41	.41	268	.07	<3	1.12	.03	.19	3	<.01
Z96-2 151.06-152.75	9	238	201	388	3.3	50	9	78	2.32	<2	5	<2	5	61	3.5	3	<2	152	2.84	.371	10	44	.60	233	.05	4	1.30	.04	.25	2	<.01
Z96-2 152.75-155.22	7	229	50	180	1.6	49	7	43	2.02	<2	<5	<2	6	51	1.5	<2	<2	82	2.38	.486	13	36	.27	188	.06	<3	1.50	.03	.14	3	.02
Z96-2 155.22-157.58	12	142	144	434	1.8	50	6	41	1.72	<2	5	<2	6	60	4.2	<2	<2	73	3.18	.453	20	25	.10	129	.06	3	1.28	.02	.06	2	.02
Z96-2 157.58-159.08	21	191	48	307	1.3	67	9	75	2.60	<2	<5	<2	6	67	2.9	<2	2	75	5.48	.277	17	22	.14	190	.06	3	.90	.01	.06	4	<.01
RE Z96-2 157.58-159.08	21	192	52	305	1.3	66	10	73	2.61	<2	<5	<2	5	66	3.0	<2	<2	75	5.48	.278	16	21	.14	182	.06	<3	.89	.01	.06	3	<.01
RRE Z96-2 157.58-159.08	20	177	48	302	1.2	64	9	72	2.39	<2	7	<2	6	67	3.0	2	<2	76	5.32	.265	16	24	.14	182	.06	3	.89	.01	.07	2	.01
Z96-2 159.08-161.05	13	160	19	962	.9	50	6	33	1.79	<2	<5	<2	6	49	9.1	<2	<2	192	2.18	.307	15	30	.12	122	.08	3	.91	.03	.11	2	.01
Z96-2 161.05-162.28	2	12	7	80	<.3	5	1	182	.34	2	<5	<2	<2	377	.9	<2	<2	14	33.22	.048	5	4	.47	63	.02	<3	.22	.01	.03	<2	<.01
Z96-2 162.28-165.15	2	5	7	185	<.3	5	1	101	.23	<2	<5	<2	2	406	2.7	2	<2	10	36.04	.021	3	2	.58	61	.01	7	.12	.01	.05	<2	<.01
Z96-2 165.15-167.44	5	6	5	114	<.3	5	1	159	.27	2	<5	<2	2	408	1.4	<2	<2	19	32.89	.028	6	4	.57	63	.02	5	.30	.01	.06	<2	.01
STANDARD C2/AU-1	20	58	37	135	6.6	70	33	1157	3.77	39	18	7	36	51	19.5	17	16	70	.50	.107	41	60	.96	193	.07	27	1.94	.06	.14	10	3.24

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 3 1996 DATE REPORT MAILED: Sept 11/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4168

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	Au** gm/t
Z96-2 167.44-169.27	10	4	<3	64	<.3	4	<1	471	.21	2	11	<2	5	152	1.5	<2	<2	57	27.97	.078	20	4	.13	71	.03	4	.38	.01	.04	2	.02
Z96-2 169.27-172.13	11	2	<3	38	<.3	3	<1	463	.17	2	<5	<2	2	158	1.4	<2	<2	29	30.85	.117	10	2	.11	51	.02	4	.14	.01	.02	3	<.01
Z96-2 172.13-173.49	13	3	4	53	<.3	4	<1	461	.20	<2	<5	<2	2	152	1.6	<2	<2	42	29.20	.169	14	3	.12	46	.02	4	.26	.01	.01	2	.03
Z96-2 173.49-174.86	15	79	4	55	.3	31	3	88	.54	<2	<5	<2	5	70	1.1	<2	<2	54	11.21	.607	23	15	.11	20	.06	3	.58	.05	.04	3	.01
Z96-2 174.86-176.48	12	11	5	18	<.3	9	1	173	.18	3	5	<2	4	83	.9	<2	<2	35	18.65	.516	23	8	.08	21	.04	3	.32	.05	.03	<2	.01
Z96-2 176.48-178.17	9	27	<3	41	.3	18	2	190	.51	4	<5	<2	6	177	.5	<2	<2	84	15.93	.339	21	15	.45	87	.06	3	.66	.04	.07	2	<.01
Z96-2 178.17-179.65	14	101	5	81	.5	42	4	124	1.18	4	<5	<2	5	184	.9	3	<2	192	8.49	.773	27	41	.91	149	.09	<3	.82	.01	.07	5	.02
Z96-2 179.65-182.25	12	10	<3	48	<.3	10	1	196	.24	3	<5	<2	3	321	1.0	<2	<2	33	27.87	.198	15	5	.17	574	.02	3	.19	.01	.04	3	.02
Z96-2 182.25-185.11	5	8	3	210	<.3	6	1	216	.22	<2	<5	<2	2	407	3.4	2	<2	15	34.92	.043	7	3	.28	188	.01	5	.21	<.01	.03	2	.01
Z96-2 185.11-188.05	11	5	<3	38	<.3	5	1	292	.15	3	<5	<2	3	288	1.2	<2	<2	23	31.37	.113	9	3	.08	116	.02	4	.17	.01	.01	2	.02
RE Z96-2 185.11-188.05	11	5	<3	39	<.3	6	1	291	.15	3	<5	<2	2	283	1.3	2	<2	23	30.87	.111	9	3	.08	111	.02	4	.17	.01	.02	3	.08
RRE Z96-2 185.11-188.05	10	6	<3	41	<.3	5	1	272	.14	2	<5	<2	3	307	1.1	2	<2	22	31.40	.108	9	2	.08	112	.02	6	.16	.01	.02	3	.08
Z96-2 188.05-190.82	11	7	5	47	.3	7	3	179	.18	3	<5	<2	<2	341	1.3	<2	<2	29	31.69	.112	7	4	.12	2358	.02	6	.21	.01	.02	5	.08
Z96-2 190.82-194.05	11	5	5	35	<.3	5	3	263	.12	<2	<5	<2	2	331	1.0	2	<2	21	31.16	.153	8	3	.07	3606	.02	4	.23	.01	.02	5	.01
Z96-2 194.05-195.08	12	8	<3	2358	<.3	8	3	167	.18	2	8	<2	2	375	33.7	<2	<2	65	34.73	.125	6	5	.07	3000	.02	5	.31	.01	.04	<2	<.01
Z96-2 195.08-198.04	4	7	<3	100	<.3	5	1	191	.16	3	<5	<2	2	350	1.5	3	<2	16	34.61	.039	6	3	.37	334	.02	5	.29	.01	.05	3	.02
Z96-2 198.04-200.93	5	10	<3	82	<.3	5	1	173	.23	<2	<5	<2	2	474	1.4	2	<2	11	35.35	.037	7	2	.26	160	.03	4	.33	.01	.08	4	.08
Z96-2 200.93-202.87	11	93	<3	17	<.3	27	4	175	.54	<2	<5	<2	3	69	.4	<2	<2	115	13.10	.166	10	15	.07	563	.05	3	.24	.02	.07	2	.01
Z96-2 202.87-203.82	6	76	14	11	.4	32	7	46	.85	<2	11	<2	3	40	<.2	2	<2	74	5.16	.277	12	24	.09	187	.05	<3	.20	.01	.14	3	.02
Z96-2 203.82-204.86	5	15	3	80	<.3	10	3	147	.30	2	7	<2	<2	79	.2	<2	<2	58	5.74	.142	4	11	1.37	3011	.03	12	.29	.01	.12	6	.02
Z96-2 204.86-205.42	11	457	7	42	1.0	78	21	236	3.06	<2	7	<2	6	382	.5	<2	2	76	11.71	.703	16	29	4.55	13370	.05	9	5.31	.05	.61	3	.03
Z96-2 205.42-206.72	4	151	3	14	.4	29	3	203	.85	<2	<5	<2	3	194	.3	<2	<2	34	16.05	.396	17	15	1.33	155	.03	6	.50	.02	.17	3	.03
RE Z96-2 205.42-206.72	4	153	5	15	.5	29	3	206	.88	<2	<5	<2	3	197	.4	<2	<2	36	16.44	.401	18	16	1.35	142	.03	4	.50	.02	.18	3	<.01
RRE Z96-2 205.42-206.72	4	146	3	13	.5	29	3	179	.77	<2	<5	<2	3	191	.4	2	<2	37	16.84	.464	19	15	1.15	163	.03	3	.45	.02	.15	2	<.01
Z96-2 206.72-209.23	5	29	4	12	<.3	11	1	179	.26	<2	9	<2	3	189	.4	2	<2	96	29.23	.322	15	11	.18	568	.02	4	.25	.01	.03	3	<.01
Z96-2 209.23-209.91	9	71	4	67	.3	13	3	340	.87	2	<5	<2	<2	267	.2	<2	<2	97	16.32	.316	8	9	6.42	1468	.02	18	.41	.01	.11	3	<.01
Z96-2 209.91-210.83	1	28	21	82	<.3	17	15	800	4.66	<2	<5	<2	4	162	.4	<2	<2	130	3.84	.361	62	29	2.90	250	.46	5	2.34	.04	.08	2	.01
Z96-2 210.83-212.80	3	21	<3	70	<.3	6	2	461	.62	2	<5	<2	<2	350	<.2	<2	<2	50	23.42	.282	8	6	10.00	993	.01	42	.16	<.01	.06	11	<.01
Z96-2 212.80-214.94	13	116	4	10	.4	35	5	141	.91	<2	<5	<2	3	50	.3	<2	<2	155	11.96	.280	16	29	.11	198	.05	<3	.39	.01	.07	4	<.01
STANDARD C2/AU-1	20	58	37	135	6.4	74	33	1126	3.77	39	17	8	36	52	19.5	16	15	71	.53	.107	42	65	.97	186	.08	28	1.98	.06	.13	10	3.34

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 3 1996 DATE REPORT MAILED: Sept 13/96 SIGNED BY C. L. ......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 # 96-4243

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	Au** gm/t
Z96-2 214.94-218.21	13	145	20	12	.6	35	6	69	1.08	<2	<5	<2	2	60	<.2	<2	<2	222	6.79	.202	12	33	.33	327	.06	<3	.57	.01	.05	3	.02
Z96-2 218.21-220.11	8	108	12	126	.3	40	7	59	1.39	<2	<5	<2	4	116	1.2	<2	<2	110	9.87	.353	19	20	.12	226	.06	<3	1.26	.02	.05	3	.01
Z96-2 220.11-221.59	11	350	12	167	1.0	82	11	49	3.16	<2	7	<2	6	59	1.4	2	<2	283	3.19	.450	12	77	.96	123	.07	<3	1.77	.02	.41	3	.01
Z96-2 221.59-223.17	11	268	11	124	.7	59	11	34	2.65	<2	<5	<2	4	74	1.0	<2	<2	155	2.87	.443	12	36	.43	88	.07	<3	1.79	.02	.16	3	<.01
Z96-2 223.17-224.74	7	283	9	104	.7	51	11	32	2.57	<2	<5	<2	4	69	.8	<2	<2	142	2.85	.364	10	38	.47	100	.07	<3	1.98	.03	.16	3	.02
Z96-2 224.74-226.47	9	279	10	79	.6	56	9	44	2.37	<2	5	<2	4	57	.6	<2	<2	188	3.14	.472	12	51	.49	64	.09	<3	1.80	.02	.19	14	<.01
Z96-2 226.47-227.83	8	169	16	103	.6	55	9	33	2.27	<2	<5	<2	5	65	.7	<2	<2	134	3.85	.481	19	32	.17	142	.08	<3	1.52	.01	.06	5	.01
Z96-2 227.83-230.73	13	138	18	131	.5	51	10	63	2.26	<2	<5	<2	4	124	.9	<2	<2	111	8.25	.333	20	21	.29	146	.07	<3	1.58	.01	.08	3	<.01
Z96-2 230.73-233.78	14	131	15	211	.3	53	10	120	2.58	<2	<5	<2	5	110	2.1	<2	<2	149	6.19	.279	13	32	.50	139	.07	<3	2.05	.02	.21	2	.02
Z96-2 233.78-235.17	16	181	11	522	.7	67	12	114	3.44	<2	<5	<2	6	72	5.9	<2	<2	339	3.20	.375	11	79	1.43	78	.11	<3	3.39	.03	.68	<2	.02
RE Z96-2 233.78-235.17	16	176	12	517	.7	67	12	115	3.40	<2	<5	<2	7	71	6.0	<2	<2	337	3.19	.372	11	74	1.43	81	.11	<3	3.38	.03	.66	2	<.01
RRE Z96-2 233.78-235.17	15	178	9	704	.9	71	12	117	3.52	3	<5	<2	7	70	8.2	2	<2	345	3.19	.375	11	79	1.48	75	.11	<3	3.38	.02	.65	2	.02
Z96-2 235.17-236.83	9	187	7	252	.4	65	9	143	2.82	<2	<5	<2	7	89	3.0	<2	<2	455	4.52	.936	17	110	1.96	113	.11	<3	3.45	.02	.77	2	<.01
Z96-2 236.83-238.66	15	201	10	401	.8	68	15	129	3.63	<2	9	<2	6	57	4.6	<2	<2	212	3.31	.355	12	47	1.00	57	.10	<3	2.09	.02	.30	3	<.01
Z96-2 238.66-240.38	14	278	7	137	.7	68	10	31	2.70	<2	7	<2	6	78	1.2	<2	2	136	3.54	.538	15	45	.35	98	.08	<3	1.92	.03	.14	3	<.01
Z96-2 240.38-241.66	14	382	9	364	.8	79	10	29	2.98	<2	13	<2	5	80	3.6	<2	<2	193	3.82	.648	14	48	.47	89	.07	<3	2.41	.03	.21	3	<.01
Z96-2 241.66-242.83	16	456	8	829	.9	77	11	46	3.05	<2	7	<2	5	76	8.1	<2	<2	144	3.76	.587	16	56	.60	64	.08	<3	2.32	.03	.23	4	.02
Z96-2 242.83-244.47	10	304	8	207	.8	66	12	30	2.83	<2	8	<2	4	81	2.0	<2	<2	281	2.96	.348	12	57	.48	104	.09	<3	2.52	.04	.25	3	<.01
Z96-2 244.47-246.27	10	278	9	119	.8	62	13	43	2.84	<2	9	<2	5	61	1.1	<2	<2	297	2.67	.292	11	55	.73	81	.09	<3	2.27	.04	.30	3	<.01
Z96-2 246.27-248.16	12	263	7	281	.4	71	12	37	2.46	<2	13	<2	5	85	2.7	2	<2	578	2.75	.341	14	70	.93	81	.11	<3	2.60	.05	.44	3	<.01
Z96-2 248.16-249.75	7	263	11	21	.7	45	13	105	2.61	<2	<5	<2	5	41	<.2	<2	<2	92	2.77	.230	9	26	.56	102	.07	<3	1.28	.02	.11	3	<.01
Z96-2 249.75-252.03	11	277	9	208	1.0	65	13	32	2.93	2	9	<2	5	66	2.1	<2	<2	229	2.53	.361	11	49	.56	61	.08	<3	1.83	.03	.23	3	.01
RE Z96-2 249.75-252.03	10	281	7	214	.9	65	13	30	2.94	2	7	<2	5	66	2.1	<2	<2	230	2.54	.365	11	49	.57	62	.08	<3	1.84	.03	.23	3	.01
RRE Z96-2 249.75-252.03	10	273	9	202	.9	66	13	32	2.90	3	6	<2	5	67	1.9	2	<2	232	2.59	.380	12	55	.58	66	.08	<3	1.85	.03	.24	3	<.01
Z96-2 252.03-253.33	9	108	7	28	.7	65	11	35	2.69	<2	7	<2	4	82	.2	<2	<2	182	3.02	.433	13	45	.35	81	.09	<3	1.87	.03	.13	4	.02
Z96-2 253.33-254.08	<1	59	11	64	<.3	26	24	975	5.40	<2	<5	<2	4	166	.3	4	<2	164	5.85	.279	37	50	3.43	405	.45	<3	2.79	.08	.27	2	.02
Z96-2 254.08-256.95	10	266	7	118	.6	62	12	39	2.72	<2	8	<2	4	84	1.0	<2	<2	221	2.89	.421	14	50	.67	90	.09	<3	1.91	.03	.25	3	.02
Z96-2 256.95-258.45	12	201	8	154	.7	61	12	32	2.33	<2	15	<2	4	72	1.4	<2	<2	354	2.55	.275	14	51	.71	92	.11	<3	1.94	.04	.26	3	<.01
Z96-2 258.45-260.03	8	287	8	203	.5	65	11	21	2.53	<2	<5	<2	5	55	1.9	<2	<2	223	2.85	.439	12	60	.61	87	.08	<3	2.24	.04	.29	3	<.01
Z96-2 260.03-262.43	8	344	6	329	.6	67	11	37	2.75	<2	5	<2	4	78	3.3	<2	<2	251	3.16	.567	12	63	.86	69	.07	<3	1.86	.05	.32	3	<.01
STANDARD C2/AU-1	21	61	41	138	6.9	75	37	1187	4.19	41	16	8	37	57	21.9	17	15	76	.56	.108	42	68	1.02	190	.07	27	2.17	.08	.17	10	3.27

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 5 1996 DATE REPORT MAILED: Sep 14/96 SIGNED BY ....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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY   File # 96-4167R

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

SAMPLE#	Ga %	Ge %
Z96-2 161.05-162.28	<.001	<.001
Z96-2 162.28-165.15	<.001	<.001
Z96-2 165.15-167.44	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. C. L..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

FA

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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4167R

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
Z96-2 161.05-162.28	7.7	25.8	2.1	3.0	<.5	<.5	<.1	1.9	.5	<.8	<.3	3.0	.5	.1	<.2
Z96-2 162.28-165.15	4.9	5.5	<.5	2.2	<.5	<.5	<.1	1.3	<.2	<.8	<.3	1.7	.5	<.1	<.2
Z96-2 165.15-167.44	5.7	19.7	<.5	2.0	7.0	5.4	<.1	<.1	<.2	<.8	<.3	<.8	.5	<.1	<.2

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. C.L. ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 FA

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

GEOCHEMICAL ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4168R

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

SAMPLE#	Ga %	Ge %
Z96-2 167.44-169.27	<.001	<.001
Z96-2 178.17-179.65	<.001	<.001
Z96-2 188.05-190.82	<.001	<.001
Z96-2 190.82-194.05	<.001	<.001
Z96-2 194.05-195.08	<.001	.001
Z96-2 203.82-204.86	<.001	<.001
Z96-2 204.86-205.42	<.001	<.001
RE Z96-2 204.86-205.42	<.001	<.001
Z96-2 209.23-209.91	<.001	<.001
Z96-2 210.83-212.80	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

___ FA ___

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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4168R

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
Z96-2 167.44-169.27	17.7	48.1	22.5	4.1	2.2	<.5	.4	2.4	<.2	<.8	.4	3.4	<.2	.7	.2
Z96-2 178.17-179.65	47.5	75.7	54.2	10.0	13.0	<.5	1.3	5.5	1.6	4.4	1.4	9.7	.9	3.1	.5
Z96-2 188.05-190.82	22.5	47.0	23.5	5.9	21.4	<.5	<.1	2.7	<.2	<.8	<.3	<.8	.2	1.2	.3
Z96-2 190.82-194.05	20.0	41.7	20.6	3.9	61.7	16.8	<.1	3.8	<.2	.8	<.3	5.6	.6	1.0	.5
Z96-2 194.05-195.08	11.9	24.5	7.3	3.9	8.9	2.7	<.1	1.5	<.2	<.8	<.3	<.8	.3	.6	<.2
Z96-2 203.82-204.86	20.4	22.5	14.0	3.4	8.4	3.2	.3	1.8	.2	<.8	.6	<.8	.4	1.6	.4
Z96-2 204.86-205.42	75.6	77.9	50.6	9.8	13.6	<.5	1.5	7.4	1.5	6.7	2.2	8.7	1.5	4.9	.5
RE Z96-2 204.86-205.42	68.3	73.5	47.3	9.4	13.8	1.0	1.3	6.4	1.1	6.1	2.1	9.7	1.5	4.4	1.0
Z96-2 209.23-209.91	23.0	24.8	10.0	4.4	4.6	<.5	.4	1.7	<.2	<.8	.6	<.8	.5	1.3	.3
Z96-2 210.83-212.80	23.2	28.1	13.8	4.4	5.1	<.5	.3	1.5	<.2	<.8	.4	<.8	<.2	1.2	<.2
STANDARD SY-3	737.2	1141.9	2196.9	223.0	670.0	106.0	15.1	108.8	21.9	111.4	28.5	71.6	8.4	67.0	9.7

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. . . . . . . .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 FA

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 # 96-4406

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	Au** gm/t
Z96-3 2.72-3.96	25	76	71	301	1.5	72	6	71	1.27	55	10	<2	6	73	2.7	<2	<2	306	1.87	.491	11	55	.79	229	.09	<3	1.93	.04	.30	5	.01
Z96-3 3.96-6.10	28	83	38	735	1.3	80	6	75	1.45	<2	10	<2	5	92	8.2	<2	<2	337	1.65	.339	10	46	.54	197	.08	<3	2.17	.05	.21	<2	<.01
Z96-3 6.10-8.10	21	102	16	963	1.5	84	12	95	2.29	4	12	<2	8	184	10.8	<2	<2	657	3.51	.500	12	73	1.61	119	.13	<3	4.11	.17	.70	<2	.01
Z96-3 8.10-9.75	20	158	15	1334	1.8	84	11	112	2.73	<2	5	<2	8	142	14.0	<2	<2	717	2.65	.344	9	80	2.06	92	.14	<3	3.65	.17	.81	<2	.02
Z96-3 9.75-12.19	27	116	11	660	1.0	90	9	100	2.08	<2	10	<2	7	94	5.2	<2	<2	601	2.16	.376	10	72	1.70	114	.11	<3	2.72	.08	.60	<2	<.01
Z96-3 12.19-13.16	19	163	19	797	1.7	84	9	112	2.65	<2	12	<2	8	105	8.2	<2	<2	580	3.56	.617	14	90	1.65	115	.12	<3	3.49	.11	.63	<2	.01
Z96-3 13.16-13.82	16	267	16	2898	2.2	68	12	94	3.17	3	<5	<2	6	83	33.8	<2	<2	246	2.51	.336	8	44	.84	60	.08	<3	2.13	.06	.26	<2	<.01
Z96-3 13.82-16.47	13	307	17	436	2.2	67	11	51	2.60	<2	<5	<2	5	103	3.7	<2	<2	68	2.55	.521	11	36	.36	77	.08	<3	1.68	.04	.13	<2	<.01
Z96-3 16.47-17.68	12	333	8	2758	1.8	61	10	78	2.89	3	<5	<2	5	140	28.0	<2	<2	79	2.48	.426	9	38	.42	88	.09	<3	1.95	.05	.18	2	.01
Z96-3 17.68-19.40	16	312	13	277	1.9	61	10	144	3.17	<2	<5	<2	5	72	2.5	<2	<2	146	2.95	.551	15	54	1.44	78	.11	<3	2.19	.01	.10	2	.01
Z96-3 19.40-22.09	24	321	13	448	1.3	69	10	46	2.73	<2	5	<2	6	89	4.2	<2	<2	97	2.90	.560	12	43	.44	74	.09	<3	1.86	.06	.15	2	.02
Z96-3 22.09-24.95	13	319	12	168	1.5	68	10	50	2.54	<2	8	<2	5	71	1.5	<2	<2	95	2.90	.605	11	47	.48	107	.08	3	1.71	.06	.19	2	.01
Z96-3 24.95-28.45	13	345	14	103	1.7	63	12	49	2.93	<2	6	<2	6	76	.8	<2	2	66	2.78	.449	9	35	.32	90	.09	<3	1.92	.06	.11	3	.03
Z96-3 28.45-29.86	17	341	14	147	1.6	89	9	75	3.07	<2	10	<2	7	104	1.0	2	<2	208	4.94	.979	19	72	.62	96	.12	<3	2.82	.09	.30	6	<.01
RE Z96-3 28.45-29.86	17	341	14	150	1.6	89	9	77	3.08	2	9	<2	7	105	1.0	<2	<2	206	4.96	.980	19	72	.62	94	.11	<3	2.82	.09	.29	6	<.01
RRE Z96-3 28.45-29.86	14	334	12	178	1.7	85	9	63	2.95	<2	12	<2	6	97	1.5	<2	<2	181	4.48	.906	17	62	.56	113	.10	<3	2.60	.08	.26	3	<.01
Z96-3 29.86-32.31	28	291	35	454	2.1	69	11	56	3.32	<2	9	<2	6	124	4.3	<2	<2	61	3.50	.483	12	32	.26	76	.08	<3	2.52	.08	.10	2	.01
Z96-3 32.31-35.66	9	292	25	262	1.6	61	9	71	2.49	<2	<5	<2	5	49	2.1	<2	<2	95	3.37	.509	13	45	.60	103	.08	<3	.93	.01	.10	3	.01
Z96-3 35.66-38.40	15	410	14	448	1.9	79	10	46	3.04	<2	<5	<2	6	74	3.6	<2	<2	105	3.32	.593	13	41	.32	90	.10	<3	1.93	.04	.10	2	<.01
Z96-3 38.40-41.45	11	355	16	500	1.9	71	11	56	2.86	<2	5	<2	6	59	4.1	<2	<2	87	3.08	.597	13	39	.36	92	.09	<3	1.47	.03	.10	<2	.02
Z96-3 41.45-44.15	11	304	22	459	1.9	60	10	57	2.89	<2	5	<2	5	77	4.2	<2	<2	86	3.23	.464	14	39	.33	104	.10	<3	1.67	.04	.11	3	<.01
Z96-3 44.15-46.24	13	311	30	788	2.1	60	11	47	2.93	<2	8	<2	6	82	7.5	<2	<2	64	2.72	.391	12	32	.24	85	.09	<3	1.87	.05	.09	7	<.01
Z96-3 46.24-48.17	16	411	20	697	2.0	79	11	61	3.39	<2	7	<2	6	109	6.4	<2	<2	106	3.69	.607	15	48	.48	81	.09	<3	2.41	.07	.16	<2	.03
Z96-3 48.17-49.85	9	377	17	457	2.1	64	11	46	2.83	<2	6	<2	5	81	4.2	<2	<2	82	2.64	.457	11	38	.35	92	.09	<3	1.93	.07	.14	<2	.01
STANDARD C2/AU-1	22	60	41	148	7.4	78	37	1267	4.13	43	16	9	39	54	21.0	19	20	75	.58	.105	44	69	1.10	213	.08	30	2.17	.06	.15	10	3.52

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 11 1996 **DATE REPORT MAILED:** Sept 20/96 **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 # 96-4309

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	Au** gm/t
Z96-3 49.85-51.82	10	340	18	258	1.6	56	11	72	2.76	9	<5	<2	4	66	3.0	<2	3	72	2.50	.451	9	37	.32	85	.10	3	1.34	.06	.11	4	.01
Z96-3 51.82-53.04	16	221	155	958	3.2	66	11	90	2.79	18	<5	<2	5	113	9.8	2	10	66	2.88	.439	12	28	.18	62	.11	3	1.82	.06	.07	90	.02
Z96-3 53.04-54.73	11	318	43	103	1.7	51	13	92	2.98	6	<5	<2	4	54	1.1	<2	<2	72	2.48	.270	8	52	.57	88	.10	<3	1.39	.05	.14	7	.01
Z96-3 54.73-56.55	12	326	12	72	1.3	59	13	69	3.00	<2	9	<2	5	48	.9	<2	<2	139	2.27	.376	9	46	.56	82	.09	<3	1.66	.06	.24	5	<.01
Z96-3 56.55-58.22	8	278	10	449	1.2	59	9	53	2.41	3	8	<2	4	48	4.5	<2	<2	81	2.36	.526	10	41	.24	106	.09	3	1.22	.04	.12	4	.02
Z96-3 58.22-59.40	7	291	10	2768	1.2	55	7	116	2.63	2	9	<2	5	56	30.2	<2	<2	74	3.69	.814	19	35	.49	133	.07	<3	1.36	.04	.10	2	<.01
Z96-3 59.40-61.42	10	192	22	326	1.2	53	7	56	1.94	<2	10	<2	3	57	3.5	<2	<2	106	2.67	.524	14	39	.20	92	.08	<3	1.44	.04	.10	11	<.01
Z96-3 61.42-63.11	14	164	62	445	1.4	62	7	51	2.00	<2	7	<2	5	63	4.7	<2	<2	88	2.72	.530	21	34	.09	68	.07	<3	1.24	.03	.05	13	.01
Z96-3 63.11-64.13	18	177	165	845	1.8	54	7	101	1.50	<2	<5	<2	6	52	10.8	<2	7	73	5.10	.306	19	26	.07	124	.08	4	.93	.02	.07	58	<.01
Z96-3 64.13-67.06	10	173	13	293	.9	48	8	56	2.07	<2	5	<2	5	61	2.9	<2	<2	128	3.25	.397	18	37	.11	71	.10	3	1.33	.03	.06	8	<.01
Z96-3 67.06-70.10	15	164	12	231	.8	61	8	61	2.01	3	6	<2	6	56	2.1	<2	<2	183	2.53	.304	17	42	.14	76	.11	<3	1.42	.03	.08	7	<.01
RE Z96-3 67.06-70.10	15	161	11	229	.8	59	8	60	1.96	<2	<5	<2	5	55	2.1	<2	<2	181	2.48	.299	18	41	.14	74	.11	<3	1.40	.03	.08	7	<.01
RRE Z96-3 67.06-70.10	15	160	11	232	.7	57	8	56	1.91	<2	5	<2	7	54	2.3	<2	<2	174	2.41	.297	17	37	.13	66	.10	<3	1.36	.03	.07	8	<.01
Z96-3 70.10-73.15	10	126	10	252	.7	48	6	78	1.69	7	6	<2	4	78	2.2	<2	<2	174	3.34	.400	21	49	.27	92	.09	<3	1.13	.02	.10	7	.02
Z96-3 73.15-74.59	15	154	7	146	.9	48	8	36	2.05	6	6	<2	5	67	1.8	<2	3	114	2.80	.370	18	31	.07	71	.10	<3	1.57	.03	.06	9	<.01
Z96-3 74.59-75.72	10	125	7	69	.5	49	7	184	1.41	7	<5	<2	9	69	1.3	<2	<2	67	8.80	.446	22	26	.08	95	.07	3	1.11	.02	.06	6	<.01
Z96-3 75.72-77.19	15	142	<3	23	.4	58	8	126	1.30	3	<5	<2	5	64	.8	<2	<2	95	8.83	.315	19	25	.05	73	.07	3	1.13	.02	.05	16	<.01
STANDARD C2	20	60	36	138	7.1	74	37	1172	3.91	39	17	8	35	53	21.3	16	19	74	.54	.104	42	64	.98	197	.08	27	2.02	.06	.16	14	-

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 9 1996 DATE REPORT MAILED: Sept 20/96 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 # 96-4436 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	Au** gm/t	SAMPLE lb
Z96-3 77.19-79.25	8	110	5	104	.5	32	5	45	1.07	<2	<5	<2	4	47	1.0	<2	<2	99	3.30	.283	13	29	.07	34	.06	<3	1.12	.04	.04	7	.01	13
Z96-3 93.60-94.99	14	78	<3	30	<.3	28	3	138	.53	3	<5	<2	3	85	.6	<2	<2	73	15.36	.531	17	18	.15	15	.08	4	.66	.02	.03	3	.02	13
Z96-3 94.99-97.26	16	165	<3	46	<.3	41	5	98	1.03	<2	<5	<2	4	99	.7	<2	<2	81	9.81	.625	21	24	.14	50	.09	3	.87	.04	.05	4	.02	14
Z96-3 112.45-114.07	13	116	7	191	.4	35	5	127	.91	<2	5	<2	3	38	1.7	<2	<2	148	6.57	.320	13	26	.08	355	.06	<3	.22	.01	.07	4	.02	12
Z96-3 114.85-116.37	20	12	<3	268	<.3	7	2	184	.48	<2	7	<2	<2	43	.3	3	<2	22	4.36	.410	11	5	1.31	625	.01	5	.14	.01	.06	4	<.01	12
Z96-3 116.37-118.56	2	64	<3	17	<.3	7	2	559	.96	<2	<5	<2	<2	242	.2	<2	<2	34	27.60	.081	4	4	13.58	1199	.01	7	.25	<.01	.06	3	.01	13
Z96-3 121.75-123.27	15	173	3	262	<.3	44	6	73	.97	<2	11	<2	3	43	3.1	<2	<2	183	5.88	.279	13	36	.10	415	.07	<3	.86	.01	.03	4	.02	11
Z96-3 129.75-132.18	6	11	5	106	<.3	14	2	462	.83	2	8	<2	6	429	.5	2	<2	111	17.41	.248	14	20	1.14	294	.06	<3	.46	.01	.06	3	.01	14
Z96-3 132.18-134.70	23	93	4	109	.4	43	5	98	1.40	2	6	<2	4	164	1.1	<2	<2	190	7.13	.311	15	37	.91	93	.10	<3	.81	.01	.03	8	<.01	15
Z96-3 143.56-145.26	4	13	17	8	<.3	9	2	80	.53	2	6	<2	<2	425	.2	<2	<2	7	33.74	.033	7	2	.22	35	.02	<3	.22	.01	.02	3	.02	12
Z96-3 145.26-148.92	9	34	8	32	.3	21	4	61	1.04	<2	9	<2	3	278	.4	<2	<2	23	22.09	.060	6	7	.16	15	.05	<3	.45	.01	.02	3	<.01	16
RE Z96-3 145.26-148.92	9	36	10	37	.5	21	4	61	1.07	<2	6	<2	2	288	.5	2	<2	24	22.76	.062	6	7	.17	15	.05	<3	.47	.01	.03	3	.01	-
RRE Z96-3 145.26-148.92	9	38	11	37	.4	20	4	60	1.04	3	7	<2	2	289	.5	<2	<2	22	22.66	.057	6	6	.16	15	.05	<3	.47	.01	.02	2	<.01	-
Z96-3 148.92-151.15	8	11	3	14	<.3	9	2	113	.46	2	9	<2	4	340	.3	<2	<2	18	29.31	.079	10	3	.27	106	.04	3	.32	.01	.03	3	.02	14
Z96-3 153.68-156.06	14	198	7	78	.9	60	9	44	2.45	<2	7	<2	7	75	.5	<2	<2	199	3.40	.340	12	52	.73	142	.11	<3	2.16	.05	.28	3	.01	15
Z96-3 156.06-157.57	18	129	5	33	.7	50	10	62	2.62	<2	<5	<2	7	117	.2	<2	<2	56	4.81	.219	11	29	.62	113	.08	<3	3.02	.06	.22	3	<.01	10
Z96-3 157.57-158.56	13	359	12	8935	1.4	60	13	85	4.18	2	<5	<2	6	63	68.6	<2	<2	67	3.10	.284	11	35	.67	42	.08	<3	2.26	.05	.21	10	.01	8
Z96-3 158.56-160.67	22	301	11	312	1.1	68	12	41	3.28	<2	<5	<2	6	84	2.5	<2	<2	101	3.68	.456	13	47	.47	103	.09	<3	2.91	.08	.17	3	.02	12
Z96-3 160.67-163.28	14	305	8	103	1.1	78	11	44	2.78	<2	12	<2	6	73	.8	<2	<2	319	3.29	.462	14	73	.85	70	.12	<3	2.82	.07	.36	4	<.01	14
Z96-3 163.28-164.82	9	361	5	179	.9	83	10	56	2.85	<2	<5	<2	5	64	1.0	<2	<2	360	3.90	.786	17	97	1.12	86	.11	<3	2.25	.05	.38	4	<.01	12
Z96-3 164.82-166.12	8	253	11	514	.8	60	8	70	2.12	2	10	<2	5	62	3.8	2	<2	222	4.26	.443	12	61	.87	92	.09	<3	1.54	.03	.16	3	.02	11
Z96-3 166.12-169.09	9	257	9	105	.6	71	8	52	2.33	2	6	<2	6	72	.7	<2	2	296	3.63	.779	18	77	.85	76	.11	<3	1.91	.05	.27	5	<.01	15
Z96-3 169.09-171.55	11	260	9	284	.8	54	8	52	2.56	<2	<5	<2	5	63	2.2	<2	<2	142	2.64	.341	12	47	.49	48	.10	<3	1.98	.05	.13	3	.02	15
Z96-3 171.55-173.06	10	257	7	105	.9	63	9	43	2.57	<2	5	<2	6	97	.9	<2	<2	196	3.42	.596	17	57	.49	51	.11	<3	2.20	.07	.19	3	.02	12
RE Z96-3 171.55-173.06	10	245	6	99	.9	61	9	39	2.46	<2	7	<2	6	93	.8	<2	<2	188	3.30	.575	16	54	.48	52	.10	<3	2.12	.06	.18	3	<.01	-
RRE Z96-3 171.55-173.06	10	245	6	107	.8	61	9	39	2.45	2	6	<2	6	96	.7	<2	2	190	3.26	.580	17	52	.48	64	.11	<3	2.16	.06	.19	3	<.01	-
Z96-3 173.06-175.87	12	217	12	66	.7	62	7	55	2.23	2	8	<2	5	58	.3	<2	<2	156	4.08	.508	18	49	.60	71	.11	<3	1.84	.03	.15	5	.02	15
Z96-3 175.87-179.36	10	228	25	186	.8	72	9	55	2.24	<2	5	<2	5	46	1.3	<2	<2	247	3.59	.642	17	61	.86	71	.10	<3	1.75	.02	.20	3	.01	17
Z96-3 179.36-181.23	9	256	5	51	.7	62	8	49	2.26	<2	6	<2	5	61	.2	<2	<2	154	3.01	.532	14	46	.53	58	.10	<3	1.59	.03	.14	4	<.01	12
Z96-3 181.23-183.49	11	245	6	330	.8	66	13	50	2.62	<2	<5	<2	6	44	2.4	<2	<2	131	2.42	.324	12	40	.53	60	.10	<3	1.57	.03	.13	4	<.01	13
Z96-3 183.49-186.54	8	230	9	67	.7	51	9	56	2.32	<2	5	<2	5	40	.5	<2	<2	99	2.61	.413	13	44	.60	59	.08	<3	1.52	.03	.13	5	<.01	16
Z96-3 186.54-188.14	7	284	8	97	1.0	44	17	101	3.00	<2	<5	<2	6	37	.7	2	<2	125	2.51	.193	8	46	1.37	43	.07	<3	1.45	.02	.20	5	.01	13
Z96-3 188.14-189.59	10	231	8	155	.9	47	9	290	2.38	11	<5	<2	6	53	.9	<2	<2	83	5.20	.317	14	31	1.03	50	.02	6	.82	<.01	.17	4	.02	13
Z96-3 189.59-192.19	11	289	13	304	.9	68	9	50	2.56	<2	5	<2	5	51	2.3	<2	<2	158	3.02	.589	14	47	.42	48	.09	<3	1.62	.02	.11	3	.01	15
Z96-3 192.19-195.10	9	259	5	412	.8	66	9	55	2.97	<2	6	<2	5	58	2.9	<2	<2	208	3.05	.507	13	56	.68	44	.09	<3	1.96	.02	.20	3	.02	16
Z96-3 195.10-198.08	9	303	8	212	.9	61	14	58	2.64	<2	5	<2	6	29	1.5	<2	<2	163	2.19	.426	13	53	.73	55	.09	<3	1.25	.01	.18	5	<.01	16
STANDARD C2/AU-1	21	63	41	152	7.2	76	37	1277	4.10	42	17	8	38	54	20.3	17	16	76	.59	.107	42	66	1.08	202	.09	28	2.15	.06	.14	10	3.45	-

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

DATE R[illegible]VED: SEP 13 1996 DATE REPORT MAILED: Sep 23/96 SIGNED BY. ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B. SSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t	SAMPLE lb
Z96-3 198.08-199.93	6	169	8	125	.8	51	7	73	1.83	15	10	<2	4	42	.9	<2	<2	105	3.84	.461	14	38	.64	58	.06	4	.68	.01	.15	7	<.01	13
Z96-3 199.93-201.78	7	175	10	41	.9	51	7	69	1.92	6	<5	<2	3	27	<.2	<2	2	110	2.61	.426	12	40	.55	71	.09	<3	.86	.01	.10	7	<.01	14

Sample type: CORE.

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 # 96-4507

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	Au** gm/t
Z96-4 0-3.96	23	183	8	1186	3.0	105	7	78	1.35	24	12	<2	8	107	16.7	<2	<2	1015	2.36	.732	16	79	.90	293	.11	<3	2.35	.08	.42	<2	<.01
Z96-4 3.96-6.40	32	172	8	1726	3.1	137	8	72	1.15	27	16	<2	7	78	24.9	<2	2	1125	2.48	.796	16	72	.98	160	.11	3	2.22	.03	.43	<2	<.01
Z96-4 6.40-8.83	30	127	8	2200	2.4	140	6	84	1.37	24	15	<2	5	92	19.4	<2	2	1053	2.67	.628	22	68	.78	90	.14	<3	2.02	.04	.27	<2	<.01
Z96-4 8.83-10.97	18	205	14	2177	4.1	106	9	61	3.11	3	<5	<2	7	228	24.7	<2	<2	265	4.19	.775	15	27	.44	48	.08	<3	2.64	.17	.11	<2	<.01
Z96-4 10.97-12.83	22	184	5	1809	3.4	102	9	65	2.95	15	7	<2	8	204	23.1	2	<2	551	3.55	.680	15	51	.62	71	.09	<3	2.66	.23	.26	<2	<.01
Z96-4 12.83-15.34	26	182	5	2421	2.7	119	8	77	2.56	17	12	<2	5	167	32.9	<2	<2	855	3.79	.828	15	64	.64	104	.11	<3	2.32	.10	.30	<2	<.01
Z96-4 15.34-18.76	33	151	5	1726	2.2	118	8	70	2.30	19	13	<2	6	167	23.4	<2	<2	914	3.39	.690	13	64	.70	85	.12	<3	2.39	.09	.34	<2	<.01
Z96-4 18.76-19.67	28	227	7	6599	3.8	111	11	77	3.22	<2	7	<2	5	228	91.9	<2	<2	235	3.73	.457	10	29	.28	48	.09	<3	3.07	.13	.07	2	<.01
Z96-4 19.67-21.95	27	140	3	1268	2.1	114	7	49	2.18	10	12	<2	6	189	16.6	<2	4	529	3.74	.725	15	44	.33	148	.10	<3	2.42	.11	.14	<2	<.01
Z96-4 21.95-24.45	34	151	<3	974	2.0	103	7	76	2.14	23	9	<2	6	187	12.4	<2	<2	1007	3.81	.778	16	82	.90	129	.11	<3	2.75	.14	.44	<2	<.01
Z96-4 24.45-27.09	26	155	5	1512	2.2	115	8	71	2.28	19	9	<2	6	175	19.6	<2	<2	803	3.91	.766	15	69	.71	92	.11	<3	2.59	.12	.32	<2	<.01
Z96-4 27.09-30.06	27	125	4	2114	1.9	110	6	64	1.94	18	16	<2	6	125	28.3	<2	<2	813	3.27	.661	13	50	.55	79	.10	<3	1.86	.06	.22	<2	<.01
Z96-4 30.06-31.59	27	119	4	1138	1.9	102	8	63	1.99	17	8	<2	6	154	14.6	<2	<2	727	3.06	.630	13	53	.62	90	.10	<3	2.06	.07	.27	<2	<.01
RE Z96-4 30.06-31.59	27	119	4	1150	2.0	104	8	63	2.03	18	10	<2	6	155	15.0	2	<2	737	3.09	.635	13	56	.63	79	.10	<3	2.09	.08	.28	2	<.01
RRE Z96-4 30.06-31.59	26	120	<3	1124	1.9	103	8	57	2.01	17	10	<2	4	155	14.7	<2	2	687	3.07	.648	12	50	.61	76	.09	<3	2.02	.07	.26	<2	<.01
Z96-4 31.59-34.17	33	97	<3	644	1.5	102	8	66	1.86	17	11	<2	4	115	7.2	<2	<2	782	2.23	.352	10	59	.79	91	.11	<3	1.97	.07	.37	5	<.01
Z96-4 34.17-37.20	31	57	5	143	1.3	80	7	38	1.57	3	10	<2	5	142	1.0	<2	<2	179	1.69	.074	5	34	.31	197	.08	<3	1.77	.13	.13	6	<.01
Z96-4 37.20-38.33	21	77	8	4839	2.0	59	6	101	2.14	<2	<5	<2	2	122	59.5	<2	<2	79	2.57	.118	6	22	.70	129	.05	3	1.76	.08	.02	3	<.01
Z96-4 38.33-39.98	27	83	3	1194	1.9	86	9	95	2.23	5	6	<2	5	115	13.6	<2	<2	317	3.35	.135	9	42	.91	119	.07	<3	1.63	.06	.11	3	<.01
Z96-4 39.98-42.67	34	63	<3	533	1.4	91	8	58	1.70	8	7	<2	4	85	5.5	<2	<2	379	1.51	.114	8	45	.69	195	.09	<3	1.47	.07	.20	7	<.01
STANDARD C2/AU-1	20	59	38	150	7.0	76	38	1202	4.05	35	17	8	35	55	20.5	19	20	79	.59	.109	39	67	1.02	207	.09	27	2.12	.06	.15	15	3.36

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 16 1996 DATE REPORT MAILED: Sep 23/96 SIGNED BY ....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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4526 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	Au** gm/t	SAMPLE lb
Z96-4 42.67-44.59	30	94	12	386	1.7	85	7	60	1.61	<2	9	<2	5	84	4.4	<2	<2	587	1.17	.210	9	47	.74	113	.10	<3	1.29	.07	.35	<2	.02	14
Z96-4 44.59-45.92	29	72	21	976	1.8	80	8	53	1.77	<2	8	<2	3	96	10.6	<2	<2	228	1.23	.098	6	31	.42	137	.07	4	1.43	.10	.15	<2	.02	9
Z96-4 45.92-47.21	23	57	7	355	1.2	67	7	69	1.60	2	7	<2	4	120	3.5	<2	<2	244	1.74	.092	6	30	.80	187	.07	<3	1.84	.06	.13	<2	<.01	10
Z96-4 47.21-50.04	18	67	10	402	1.1	57	5	50	1.44	<2	5	<2	5	78	4.0	2	2	118	1.44	.192	7	23	.34	143	.06	4	1.05	.07	.07	<2	<.01	16
Z96-4 50.04-53.27	15	75	6	599	1.1	49	5	43	1.33	<2	<5	<2	4	167	6.1	<2	4	107	1.68	.231	7	22	.30	188	.05	<3	1.34	.09	.06	<2	<.01	18
Z96-4 53.27-55.91	18	79	8	324	1.3	62	5	72	1.43	<2	6	<2	4	98	3.5	<2	<2	285	2.31	.322	10	40	.66	124	.05	6	1.23	.04	.18	3	<.01	16
Z96-4 55.91-57.00	20	88	13	1212	1.7	62	5	65	1.42	<2	<5	<2	5	87	13.7	<2	4	279	1.73	.235	8	32	.68	194	.05	4	1.19	.03	.10	<2	<.01	8
Z96-4 57.00-58.32	22	148	12	2707	2.2	91	9	72	2.26	2	<5	<2	6	82	32.1	<2	3	343	2.85	.574	12	39	.56	68	.05	4	1.36	.05	.13	<2	.03	8
Z96-4 58.32-61.06	26	74	11	493	1.5	76	6	54	1.57	<2	9	<2	5	112	5.5	<2	<2	234	1.57	.203	8	32	.46	180	.06	5	1.39	.09	.15	<2	.02	16
Z96-4 61.06-62.21	17	59	6	561	1.2	54	5	48	1.31	<2	7	<2	3	131	5.9	<2	<2	90	1.85	.237	6	25	.27	214	.05	3	1.22	.07	.04	<2	.04	9
RE Z96-4 61.06-62.21	18	60	8	568	1.3	54	5	48	1.34	<2	5	<2	3	136	6.0	<2	<2	93	1.94	.248	7	20	.28	198	.05	4	1.27	.08	.04	<2	.02	-
RRE Z96-4 61.06-62.21	18	62	6	590	1.3	59	5	52	1.37	<2	<5	<2	4	139	6.1	<2	<2	95	1.94	.251	7	22	.28	181	.05	<3	1.29	.07	.04	<2	.01	-
Z96-4 62.21-64.27	19	72	7	426	1.1	60	5	63	1.49	<2	5	<2	4	141	4.7	<2	<2	157	2.16	.196	7	26	.41	190	.06	3	1.44	.09	.06	2	.01	9
Z96-4 64.27-67.16	25	131	13	859	2.1	102	7	83	2.31	<2	17	<2	7	138	10.5	<2	3	903	3.03	.615	15	71	1.03	109	.09	6	2.17	.14	.41	<2	<.01	18
Z96-4 67.16-69.08	19	159	10	2553	2.7	94	8	91	3.07	<2	8	<2	5	112	33.0	<2	<2	375	3.36	.497	13	36	.81	68	.07	4	1.89	.10	.12	<2	<.01	10
Z96-4 69.08-70.71	23	123	9	1418	1.9	91	5	74	1.95	<2	7	<2	6	89	18.6	<2	3	542	2.77	.523	12	39	.73	94	.08	3	1.43	.07	.13	<2	<.01	10
Z96-4 70.71-73.15	23	131	9	1900	2.5	87	8	88	2.17	<2	8	<2	6	82	24.0	<2	<2	375	3.25	.598	13	35	.78	68	.07	4	1.36	.04	.12	<2	<.01	14
Z96-4 73.15-75.29	26	114	9	1034	2.0	100	5	73	1.84	2	11	<2	5	165	13.3	<2	4	490	3.15	.730	14	38	.70	115	.07	3	1.53	.10	.10	<2	<.01	13
Z96-4 75.29-76.93	29	121	8	1384	2.1	113	5	161	2.07	5	22	<2	6	276	16.2	<2	2	1251	3.80	.429	12	61	1.27	192	.07	<3	1.70	.05	.21	<2	<.01	12
Z96-4 76.93-79.19	14	106	47	510	4.2	59	10	999	3.33	75	5	<2	9	585	5.5	3	<2	297	7.44	.325	16	31	1.54	51	<.01	7	1.49	.01	.22	<2	.07	12
Z96-4 79.19-80.40	11	259	15	485	3.3	66	11	228	3.20	15	6	<2	6	157	4.9	2	2	210	4.59	.383	11	40	1.12	50	.03	6	.87	.01	.23	<2	.05	9
Z96-4 80.40-82.33	8	291	13	239	2.3	62	10	57	2.38	<2	<5	<2	4	34	2.5	<2	<2	69	2.24	.540	10	34	.37	77	.07	<3	.88	.02	.11	<2	.01	13
Z96-4 82.33-85.12	8	259	13	1539	2.1	53	8	74	2.31	2	<5	<2	5	39	17.5	<2	<2	81	2.57	.523	13	35	.41	77	.08	<3	.91	.02	.11	<2	.01	18
Z96-4 85.12-87.39	9	315	13	607	2.0	56	9	78	2.53	<2	<5	<2	5	32	5.8	<2	<2	87	2.32	.593	13	43	.51	83	.08	<3	.72	.02	.16	<2	.03	14
RE Z96-4 85.12-87.39	9	299	12	595	2.1	56	8	74	2.39	2	6	<2	4	31	5.8	<2	<2	83	2.19	.569	13	39	.49	84	.08	<3	.69	.03	.16	<2	.03	-
RRE Z96-4 85.12-87.39	9	312	9	604	2.1	57	8	76	2.44	2	10	<2	5	31	5.8	<2	<2	83	2.25	.586	13	38	.49	78	.08	<3	.69	.02	.15	<2	<.01	-
Z96-4 87.39-89.24	7	363	3	63	2.0	54	12	61	2.91	<2	7	<2	5	44	.6	<2	<2	60	2.06	.413	9	36	.46	80	.08	3	1.23	.03	.19	3	<.01	14
Z96-4 89.24-90.63	7	244	5	38	1.4	46	10	55	2.25	<2	<5	<2	5	47	.3	<2	<2	112	2.21	.379	9	41	.62	96	.07	4	1.38	.04	.24	4	<.01	12
Z96-4 90.63-92.02	6	294	8	49	1.4	45	8	65	2.53	<2	<5	<2	5	73	.2	<2	<2	114	2.56	.352	8	47	.89	83	.09	<3	1.93	.05	.32	3	.02	11
Z96-4 92.02-94.37	7	247	6	74	1.4	46	10	56	2.39	<2	<5	<2	5	64	.7	2	<2	96	2.35	.461	9	44	.59	90	.08	3	1.46	.04	.23	4	.02	14
Z96-4 94.37-95.41	6	303	80	754	2.6	53	10	47	2.35	3	<5	<2	4	48	6.6	<2	2	92	2.08	.458	8	40	.42	101	.07	3	1.28	.04	.18	<2	.02	8
Z96-4 95.41-96.90	9	216	12	469	1.5	61	5	52	1.64	<2	6	<2	4	59	4.1	<2	<2	208	2.84	.690	13	57	.45	153	.08	<3	1.49	.04	.23	<2	.03	10
Z96-4 96.90-100.58	7	249	10	211	1.6	58	7	49	2.29	<2	8	<2	5	48	1.9	<2	<2	135	2.64	.495	10	42	.40	87	.08	3	1.61	.04	.18	2	<.01	18
Z96-4 100.58-102.91	6	204	12	815	1.4	53	7	57	2.04	<2	5	<2	6	48	6.4	<2	<2	62	2.87	.521	13	26	.17	66	.07	3	1.40	.04	.07	<2	.02	13
Z96-4 102.91-105.35	14	111	<3	205	.9	54	6	42	1.66	<2	6	<2	5	57	1.7	<2	2	104	2.64	.302	15	29	.07	45	.07	<3	1.35	.03	.05	3	.03	17
Z96-4 105.35-106.35	23	291	371	936	4.8	55	9	128	3.31	<2	<5	<2	9	84	8.2	<2	5	51	8.80	.324	22	21	.07	54	.07	3	1.26	.02	.04	3	<.01	12
STANDARD C2/AU-1	21	63	32	148	7.3	78	37	1189	3.97	41	17	7	36	54	20.6	15	18	75	.57	.102	39	65	1.03	209	.08	27	2.15	.07	.15	11	3.26	-

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE R[illegible]VED: SEP 17 1996 DATE REPORT MAILED: Sep 27/[illegible] SIGNED BY [illegible] .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. [illegible]YERS

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-4526

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	Au** gm/t	SAMPLE lb
Z96-4 106.35-108.09	10	98	11	47	.6	41	5	352	1.07	<2	8	<2	5	68	.3	<2	2	36	10.31	.464	24	14	.10	52	.05	3	1.03	.02	.03	15	<.01	12
Z96-4 108.09-110.85	12	138	<3	151	.7	51	7	102	1.50	<2	8	<2	6	65	1.0	<2	<2	78	5.11	.283	20	20	.07	54	.07	<3	1.24	.03	.04	6	<.01	15
Z96-4 110.85-113.37	9	121	11	154	.7	37	6	107	1.29	<2	7	<2	5	61	1.6	<2	<2	74	5.66	.307	15	27	.08	40	.05	3	.97	.09	.04	4	<.01	11
Z96-4 113.37-114.18	6	42	3	1180	.4	18	3	2432	.49	<2	<5	<2	2	67	17.3	<2	<2	41	24.71	.209	14	8	.07	57	.02	6	.32	.04	.01	42	.01	10
Z96-4 117.31-119.10	5	7	24	431	<.3	15	2	69	.65	2	6	<2	<2	464	5.0	<2	<2	17	35.95	.038	4	5	.11	17	.02	<3	.03	.01	<.01	<2	.02	13
Z96-4 130.31-131.81	18	153	3	47	<.3	42	6	108	.97	<2	13	<2	4	100	.5	2	<2	66	11.04	.550	20	21	.12	16	.07	<3	.74	.06	.02	5	<.01	12
Z96-4 136.12-137.16	5	10	6	631	<.3	8	1	161	.29	<2	<5	<2	<2	349	7.8	<2	<2	9	40.77	.050	3	3	.57	119	.01	<3	.08	.01	.03	<2	.02	9
Z96-4 145.04-146.32	17	139	3	11	.4	44	5	63	1.06	<2	13	<2	4	90	<.2	2	<2	53	6.57	.502	15	21	.11	35	.07	<3	.82	.07	.02	5	.01	8
Z96-4 147.83-149.31	11	96	<3	14	<.3	28	4	101	.62	<2	12	<2	3	81	<.2	<2	<2	37	10.54	.600	19	16	.10	40	.06	<3	.68	.03	.02	3	.03	9
Z96-4 152.58-154.83	9	169	8	156	.7	54	8	36	2.05	<2	8	<2	5	60	1.3	<2	<2	89	3.47	.531	14	34	.26	123	.07	<3	2.04	.06	.13	3	<.01	13
RE Z96-4 152.58-154.83	9	169	7	160	.8	54	8	37	2.08	<2	7	<2	5	61	1.2	<2	<2	92	3.52	.540	15	35	.27	128	.07	<3	2.07	.06	.13	2	<.01	-
RRE Z96-4 152.58-154.83	9	169	7	158	.8	54	8	33	2.09	<2	7	<2	5	61	1.2	<2	<2	90	3.51	.537	15	42	.26	125	.07	<3	2.06	.06	.13	2	<.01	-
Z96-4 154.83-157.09	16	269	14	155	1.3	62	12	70	3.13	<2	<5	<2	6	70	1.2	<2	<2	133	3.29	.387	11	46	.66	212	.07	<3	2.27	.06	.24	2	<.01	13
Z96-4 158.31-160.70	12	257	10	241	1.1	61	11	70	3.04	<2	6	<2	6	94	1.6	<2	<2	256	3.41	.451	11	63	.99	126	.10	<3	3.03	.06	.39	<2	<.01	15
Z96-4 160.70-163.49	8	263	7	164	1.0	54	13	47	2.73	<2	<5	<2	5	51	1.1	<2	<2	164	2.43	.382	9	62	.83	114	.08	<3	2.22	.05	.36	3	<.01	16
Z96-4 163.49-165.67	7	256	5	431	.9	55	12	48	2.51	3	<5	<2	6	39	3.2	<2	<2	125	2.15	.375	9	45	.70	141	.07	<3	1.61	.03	.24	<2	.01	15
Z96-4 165.67-167.58	5	202	8	80	.9	41	10	93	2.05	4	<5	<2	6	52	.4	<2	<2	87	2.30	.288	10	49	.91	103	.05	3	1.13	.02	.30	3	.02	14
STANDARD C2/AU-1	20	56	42	137	7.0	70	35	1177	3.92	40	15	8	35	50	19.8	16	17	68	.53	.107	37	61	.99	191	.07	25	1.97	.06	.12	11	3.48	-

Sample type: CORE. 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 # 96-4999 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	Au** gm/t
Z96-5 6.25-8.53	4	20	28568	99999	15.3	8	2	365	2.26	50	<5	<2	<2	110	1960.5	31	<2	15	16.62	.028	4	62	9.07	101	<.01	4	.08	.01	.03	3	.03
Z96-5 24.53-25.71	14	62	620	2398	1.2	63	<1	148	7.98	<2	<5	<2	<2	45	18.2	<2	<2	27	6.39	.052	2	9	.79	7	<.01	<3	.01	.01	<.01	4	<.01
Z96-5 25.71-26.82	10	10	127	453	<.3	8	<1	589	.91	2	<5	<2	<2	252	3.3	2	<2	19	24.41	.007	3	4	13.55	122	<.01	8	.02	.01	<.01	<2	<.01
Z96-5 26.82-28.28	4	17	902	1007	1.5	10	<1	528	.82	5	<5	<2	<2	255	9.8	4	3	19	25.06	.012	4	5	13.00	38	<.01	6	.05	<.01	<.01	<2	<.01
Z96-5 28.28-30.52	3	10	1032	1829	1.0	3	<1	567	1.83	13	<5	<2	<2	242	19.4	13	<2	13	25.40	.012	5	5	14.69	28	<.01	3	.06	<.01	.02	<2	<.01
Z96-5 30.52-32.26	1	7	80	373	<.3	3	<1	542	.69	3	<5	<2	<2	216	2.2	3	<2	9	26.19	.013	4	3	15.14	25	<.01	5	.07	<.01	.04	<2	.02
Z96-5 32.26-33.35	1	7	133	511	<.3	3	<1	579	.90	2	<5	<2	<2	223	3.9	2	<2	32	26.60	.036	8	9	14.62	144	.01	4	.17	.01	.11	<2	.01
Z96-5 33.35-34.89	3	8	260	1872	.4	9	1	403	1.39	3	<5	<2	<2	140	14.4	2	<2	22	25.18	.012	5	8	13.86	202	.01	3	.32	.01	.21	<2	<.01
Z96-5 34.89-35.89	2	12	660	32169	1.7	11	3	508	2.09	16	<5	<2	<2	112	419.1	<2	<2	36	23.27	.033	5	18	12.68	152	.01	7	.26	.01	.18	247	.02
Z96-5 35.89-37.29	2	4	20	1455	<.3	2	<1	349	.57	<2	<5	<2	<2	166	11.5	2	<2	11	26.00	.004	2	3	14.96	36	<.01	<3	.06	<.01	.03	<2	<.01
Z96-5 37.29-38.33	2	11	488	23787	1.1	4	1	345	1.14	8	<5	<2	<2	167	303.2	<2	2	13	23.69	.005	2	19	13.92	36	<.01	3	.07	<.01	.03	20	.02
RE Z96-5 37.29-38.33	2	11	515	24457	1.1	3	1	361	1.18	9	<5	<2	<2	171	320.3	<2	2	13	24.59	.005	3	18	14.53	37	<.01	3	.07	<.01	.04	35	.02
RRE Z96-5 37.29-38.33	2	11	572	24907	1.2	3	1	344	1.28	11	<5	<2	<2	170	332.9	<2	<2	14	24.78	.004	3	17	14.71	42	<.01	3	.08	<.01	.05	44	<.01
Z96-5 38.33-39.71	2	11	311	4271	.7	6	<1	398	1.74	3	<5	<2	<2	164	42.6	2	<2	15	25.86	.003	4	7	15.17	36	<.01	3	.07	<.01	.05	<2	.01
Z96-5 39.71-41.18	2	6	19	2188	<.3	2	<1	410	.85	<2	<5	<2	<2	143	16.4	2	<2	6	26.59	.002	2	4	15.50	28	<.01	6	.05	<.01	.04	<2	<.01
Z96-5 41.18-42.37	2	6	5	520	<.3	3	1	364	.64	<2	<5	<2	<2	149	2.7	3	<2	3	25.89	.002	2	2	14.10	88	<.01	4	.13	.01	.09	<2	<.01
Z96-5 42.37-43.39	1	9	278	15474	.5	7	1	364	1.97	4	<5	<2	<2	103	156.1	<2	<2	10	25.24	.004	6	21	13.39	91	.01	10	.16	.01	.11	<2	<.01
Z96-5 43.39-44.48	2	7	6	423	<.3	4	1	319	.64	<2	<5	<2	<2	137	2.7	<2	<2	4	27.63	.003	5	4	14.28	130	.01	17	.26	.01	.20	<2	<.01
Z96-5 45.41-46.61	1	9	8	229	<.3	7	1	418	1.05	2	<5	<2	<2	121	1.6	<2	<2	4	25.17	.003	7	6	13.84	165	.02	20	.39	.03	.33	<2	<.01
Z96-5 50.77-52.18	1	10	9	7628	.3	4	1	350	.92	<2	<5	<2	<2	244	58.1	<2	<2	6	25.73	.004	4	14	13.64	81	.01	12	.28	.02	.22	<2	<.01
Z96-5 53.37-54.25	42	11	11	234	<.3	5	1	830	.91	2	<5	<2	3	312	.6	<2	<2	4	26.83	.033	7	6	7.50	69	.03	5	.63	.06	.11	5	<.01
Z96-5 55.00-56.00	1	9	7	6357	<.3	2	<1	462	.84	2	<5	<2	<2	258	28.6	<2	<2	6	25.35	.003	4	9	14.72	12	<.01	5	.05	<.01	.03	<2	.02
Z96-5 57.94-58.64	2	7	6	8247	<.3	3	1	430	.78	2	<5	<2	<2	380	63.1	2	<2	5	26.30	.004	5	13	14.34	34	<.01	6	.10	.01	.05	<2	.01
Z96-5 60.83-61.89	1	11	8	158	<.3	3	<1	387	.83	3	<5	<2	<2	608	.7	2	<2	4	26.23	.002	4	2	14.33	45	<.01	6	.13	.01	.08	<2	.01
Z96-5 68.22-70.64	5	51	<3	109	<.3	51	21	219	3.24	<2	<5	<2	12	36	.4	2	<2	10	1.57	.039	12	17	.96	43	.03	<3	2.01	.05	.56	<2	<.01
RE Z96-5 68.22-70.64	5	52	<3	113	<.3	52	21	221	3.30	<2	<5	<2	12	36	.4	<2	<2	11	1.59	.041	12	17	.98	44	.03	3	2.07	.04	.54	2	.01
RRE Z96-5 68.22-70.64	6	49	<3	94	<.3	52	22	227	3.25	<2	<5	<2	13	36	<.2	<2	<2	10	1.63	.038	13	16	.98	45	.03	<3	2.00	.04	.53	<2	.01
Z96-5 70.64-72.00	17	7	13	197	.3	5	1	2737	1.29	<2	8	<2	9	289	1.2	<2	<2	4	24.02	.009	6	5	9.01	63	.02	5	.58	.02	.24	6	<.01
Z96-5 77.74-79.14	7	9	74	7180	<.3	4	1	495	1.26	4	6	<2	<2	252	56.7	<2	<2	6	26.97	.005	9	13	14.32	69	.01	7	.22	.01	.14	<2	<.01
Z96-5 79.14-80.55	4	43	<3	57	<.3	37	16	172	2.67	<2	<5	<2	12	61	<.2	<2	<2	11	4.39	.060	12	19	1.60	50	.07	3	3.09	.05	.40	<2	<.01
Z96-5 80.55-81.82	1	37	<3	86	.3	43	17	122	2.91	<2	<5	<2	16	52	.3	<2	<2	22	3.72	.056	13	42	1.23	32	.13	4	3.50	.06	.46	<2	.01
Z96-5 81.82-83.09	5	22	4	73	<.3	20	8	818	2.32	<2	<5	<2	8	75	.3	<2	<2	16	14.52	.085	12	26	6.59	77	.07	10	1.50	.02	.63	<2	.01
Z96-5 83.09-83.95	3	28	8	4702	<.3	20	8	574	2.62	<2	<5	<2	4	100	36.2	<2	<2	10	17.74	.024	8	19	7.78	49	.03	6	.84	.02	.35	<2	.02
Z96-5 89.03-90.25	2	14	7	96	<.3	6	2	412	1.48	<2	<5	<2	5	138	.6	<2	<2	7	22.65	.011	21	9	11.68	109	.04	15	.55	.01	.48	<2	<.01
Z96-5 90.25-92.27	43	28	<3	59	<.3	18	6	325	1.26	<2	<5	<2	11	60	<.2	<2	2	9	3.20	.031	16	15	.63	25	.09	4	2.01	.08	.10	19	<.01
Z96-5 92.27-94.42	6	49	<3	84	<.3	42	16	236	3.90	<2	<5	<2	14	62	.2	<2	<2	49	3.97	.037	25	75	1.30	33	.26	7	5.65	.10	.74	4	.01
STANDARD C2/AU-1	22	64	37	153	7.4	75	37	1270	3.97	44	21	9	38	53	20.1	19	18	76	.60	.105	41	65	1.08	201	.08	30	2.12	.07	.15	11	3.37

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RF [illegible]VED: OCT 3 1996 DATE REPORT MAILED: Oct 11/9[illegible] SIGNED BY C. L[illegible] .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C [illegible]SAYERS

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-4999

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	Au** gm/t
Z96-5 94.42-95.07	12	15	5	43	<.3	8	3	445	.76	5	<5	<2	5	274	.3	<2	<2	9	19.26	.074	8	14	.30	13	.06	<3	1.27	.03	.12	11	<.01
Z96-5 95.07-95.95	1	40	9	80	<.3	53	22	279	4.73	9	<5	<2	10	31	.2	<2	<2	51	1.35	.026	10	70	1.32	50	.24	<3	3.16	.04	.94	<2	<.01
Z96-5 95.95-97.11	38	56	24	135	<.3	30	13	874	2.92	9	<5	<2	8	265	.8	<2	<2	27	13.23	.144	12	36	2.28	64	.10	<3	2.42	.06	.53	12	<.01
Z96-5 111.99-113.77	49	13	565	1630	<.3	2	1	389	.37	<2	11	<2	26	37	12.6	<2	<2	2	2.10	.011	13	8	.72	25	.01	<3	.39	.06	.14	4	<.01
Z96-5 114.23-116.64	5	16	11	35	<.3	6	2	169	.65	35	13	<2	23	20	<.2	3	<2	3	.84	.007	11	12	.16	12	.01	5	.32	.03	.12	3	<.01
Z96-5 116.64-117.85	44	22	46	182	<.3	29	10	425	2.43	8	<5	<2	11	56	1.2	<2	<2	40	3.38	.099	18	52	.83	43	.20	<3	2.02	.07	.56	2	<.01
Z96-5 117.85-119.26	498	20	5	162	<.3	17	7	2161	1.93	8	<5	<2	12	149	.2	<2	<2	17	5.92	.079	16	21	.37	16	.10	<3	2.50	.19	.06	2	.02
Z96-5 119.26-120.69	5	51	26	151	<.3	46	17	373	4.20	9	<5	<2	9	41	.7	2	<2	68	1.15	.049	17	86	1.30	57	.28	<3	3.09	.10	.95	<2	.02
RE Z96-5 119.26-120.69	6	43	31	144	<.3	45	16	354	3.94	9	<5	<2	8	39	.8	<2	<2	64	1.08	.047	16	79	1.23	54	.27	<3	2.91	.09	.91	<2	<.01
RRE Z96-5 119.26-120.69	6	50	3	84	<.3	47	17	363	4.05	9	<5	<2	9	42	<.2	<2	<2	62	1.14	.049	17	80	1.19	53	.27	<3	2.97	.10	.88	2	<.01
Z96-5 120.69-121.81	9	83	11	92	<.3	57	24	312	4.82	4	<5	<2	6	33	.2	<2	<2	61	1.74	.100	13	79	1.19	63	.20	<3	2.75	.05	.77	11	<.01
Z96-5 121.81-122.61	16	7	5	28	<.3	3	<1	307	.37	5	9	<2	30	60	<.2	<2	<2	4	1.47	.014	12	8	.10	14	.02	<3	1.06	.20	.10	2	<.01
STANDARD C2/AU-1	20	58	44	140	6.9	75	37	1120	3.80	48	18	8	36	52	20.7	15	19	71	.50	.105	38	62	.94	197	.08	24	1.86	.06	.14	15	3.22

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

Assay in progress for Pb, Zn > 1%

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 # 96-5237

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	Au** gm/t
Z96-5 173.18-174.90	2	17	7	72	<.3	24	15	678	4.57	119	<5	<2	6	46	<.2	6	<2	8	.48	.050	14	11	.80	57	<.01	11	.59	.02	.32	<2	<.01
Z96-5 174.90-177.64	9	27	9	88	<.3	25	15	698	4.67	8	<5	<2	6	38	<.2	<2	<2	32	.54	.061	16	32	.90	72	.09	6	1.38	.03	.60	<2	<.01
Z96-5 177.64-178.94	99	21	8	101	<.3	19	9	1126	4.63	4	<5	<2	6	97	<.2	<2	<2	56	2.24	.089	22	45	1.02	157	.24	3	2.80	.07	.85	2	<.01
Z96-5 178.94-179.89	27	3	12	10	<.3	4	1	305	.73	5	<5	<2	14	12	<.2	<2	<2	3	.21	.004	8	11	.10	11	.02	3	.33	.03	.15	3	<.01
Z96-5 179.89-182.58	12	2	11	4	<.3	3	<1	427	.37	<2	11	<2	14	7	<.2	<2	<2	1	.14	.002	7	11	.02	4	<.01	<3	.15	.04	.08	3	.01
RE Z96-5 179.89-182.58	13	2	12	4	<.3	3	<1	411	.36	<2	10	<2	14	7	<.2	<2	<2	1	.14	.002	7	11	.02	4	<.01	<3	.15	.04	.08	3	<.01

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 10 1996 DATE REPORT MAILED: Oct 22/96 SIGNED BY. C. L............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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-4999R

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

SAMPLE#	Pb %	Zn %
Z96-5 6.25-8.53	3.78	18.28
Z96-5 34.89-35.89	-	3.97
Z96-5 37.29-38.33	-	3.01
RRE Z96-5 37.29-38.33	-	3.03
Z96-5 42.37-43.39	-	1.72
Z96-5 55.00-56.00	-	.65
Z96-5 57.94-58.64	-	.82
Z96-5 77.74-79.14	-	.69

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: OCT 16 1996 DATE REPORT MAILED: Oct 23/96 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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4999R2

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

SAMPLE#	Ga %	Ge %
Z96-5 6.25-8.53	<.001	.002
Z96-5 34.89-35.89	<.001	.001
Z96-5 37.29-38.33	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY.C.L..........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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5266

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	Au** gm/t
Z96-6 65.39-67.57	1	43	4	103	<.3	40	19	540	4.71	5	<5	<2	10	31	<.2	<2	<2	44	1.68	.073	21	63	1.40	80	.14	<3	2.26	.02	.91	<2	.01
Z96-6 67.57-68.87	<1	7	26	35	<.3	6	3	1834	1.11	3	7	<2	4	714	<.2	2	<2	7	39.15	.033	11	8	.62	15	<.01	<3	.50	<.01	.07	3	<.01
Z96-6 68.87-71.02	2	34	5	117	<.3	37	19	1420	5.19	7	<5	<2	7	60	<.2	6	2	46	2.99	.058	13	49	1.11	144	.15	<3	2.32	.01	.76	<2	.01
Z96-6 78.35-80.16	20	19	5	41	<.3	11	7	477	2.63	22	<5	<2	3	17	<.2	3	<2	18	.79	.175	15	21	.41	24	.03	<3	1.04	<.01	.19	3	<.01
Z96-6 80.16-81.88	24	17	6	33	<.3	12	8	338	2.43	10	<5	<2	2	15	<.2	3	<2	17	.52	.216	16	22	.36	33	.03	<3	1.00	<.01	.18	2	<.01
Z96-6 81.88-84.62	179	34	3	67	<.3	31	19	698	4.32	21	<5	<2	5	10	<.2	3	<2	40	.44	.106	13	35	.84	55	.09	<3	2.11	.01	.52	3	<.01
Z96-6 84.62-85.69	156	25	<3	60	<.3	26	14	609	3.72	15	<5	<2	4	7	<.2	3	<2	25	.33	.060	14	24	.80	27	.04	<3	1.76	.01	.28	3	<.01
Z96-6 87.31-89.31	118	28	4	60	<.3	25	14	487	3.78	17	<5	<2	3	6	<.2	<2	<2	35	.31	.100	15	34	.71	38	.08	<3	1.85	.01	.44	3	<.01
Z96-6 89.31-91.10	48	15	5	36	<.3	10	6	417	2.32	5	<5	<2	6	10	<.2	<2	<2	16	.51	.097	21	22	.45	22	.03	<3	1.18	<.01	.23	2	.01
RE Z96-6 89.31-91.10	50	12	6	35	<.3	10	6	423	2.36	8	<5	<2	5	10	<.2	<2	<2	17	.52	.100	20	22	.46	23	.03	<3	1.19	<.01	.23	2	.02
RRE Z96-6 89.31-91.10	60	13	5	35	<.3	10	6	430	2.40	6	<5	<2	6	10	<.2	<2	<2	17	.52	.097	21	22	.47	23	.03	<3	1.23	<.01	.24	2	<.01
Z96-6 91.10-93.15	78	20	7	29	<.3	15	8	271	2.12	16	<5	<2	5	6	<.2	3	<2	17	.29	.093	18	21	.43	22	.02	<3	1.05	<.01	.18	2	.10
Z96-6 93.15-94.49	17	13	5	43	<.3	40	9	848	3.06	10	<5	<2	5	48	<.2	3	<2	25	1.47	.119	21	40	1.04	134	.02	<3	1.88	<.01	.25	2	<.01
Z96-6 94.49-96.56	17	9	13	21	<.3	16	2	392	.81	12	7	<2	22	26	<.2	6	<2	4	.56	.014	11	10	.26	20	<.01	<3	.65	.02	.10	2	<.01

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 15 1996 DATE REPORT MAILED: Oct 25/96 SIGNED BY C. L........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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5236R

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

SAMPLE#	Pb %	Zn %
Z96-6 52.39-53.29	-	1.72
RRE Z96-6 52.39-53.29	-	1.69
Z96-6 54.86-55.46	-	10.99
Z96-6 56.85-57.79	13.76	1.89

1 GM SAMPLE LEACHED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: OCT 24 1996 DATE REPORT MAILED: Nov 1/96 SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

96-5236R

Post-it FAX TRANSMITTAL MEMO 7671 NO. OF PAGES 1

TO:		FROM:	
CO.:	Sultan	CO.:	Acme
DEPT.:		PHONE #:	
FAX #:	684-4212	FAX #:	

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

GEOCHEMICAL ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-5236R2

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

SAMPLE#	Ga %	Ge %
Z96-6 54.86-55.46	<.001	<.001
Z96-6 55.46-56.85	<.001	<.001
Z96-6 56.85-57.79	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Da ___ FA ___

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 # 96-5443

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	Au** gm/t
Z96-7 13.76-14.94	1	2	11	56	.4	3	<1	37	.19	7	<5	<2	<2	326	.9	2	2	6	39.88	.005	<1	2	1.07	19	<.01	3	.04	<.01	.02	<2	<.01
Z96-7 16.87-17.88	1	3	22	36	.3	4	<1	41	.09	6	<5	<2	2	214	.7	4	3	6	40.24	.005	<1	2	.51	14	<.01	<3	.03	<.01	.01	<2	<.01
Z96-7 21.08-23.64	3	6	117	259	.5	13	<1	81	1.20	14	<5	<2	2	200	2.4	2	2	29	35.11	.009	<1	6	.41	22	<.01	<3	.05	<.01	.01	<2	.01
Z96-7 24.56-25.23	16	16	387	243	.5	22	1	94	1.45	11	6	<2	3	223	2.2	4	2	49	37.99	.012	<1	4	1.59	18	<.01	3	.06	<.01	.05	<2	.01
Z96-7 25.23-26.76	17	7	223	185	.7	20	1	63	1.11	13	<5	<2	2	167	1.8	5	2	19	31.37	.012	<1	4	1.38	26	<.01	<3	.05	<.01	.04	<2	<.01
Z96-7 26.76-28.23	5	6	146	339	.4	17	1	44	2.85	21	<5	<2	<2	156	1.6	2	2	32	27.71	.028	<1	6	.66	17	<.01	<3	.03	<.01	.02	<2	.01
Z96-7 28.23-29.68	7	5	95	376	.4	21	1	31	3.18	11	<5	<2	3	153	1.8	<2	<2	18	26.79	.019	<1	3	.46	8	<.01	<3	.02	<.01	.01	<2	<.01
Z96-7 29.68-32.63	7	5	59	303	.5	18	<1	47	2.21	<2	<5	<2	2	173	1.5	<2	2	13	28.79	.017	<1	4	.82	27	<.01	<3	.03	<.01	.01	<2	<.01
Z96-7 34.08-35.23	2	1	68	105	.4	6	<1	48	.46	2	<5	<2	2	187	1.2	<2	<2	7	38.79	.009	<1	2	.89	58	<.01	<3	.05	<.01	.03	<2	<.01
Z96-7 39.09-40.84	3	3	124	361	.4	10	<1	52	1.59	15	<5	<2	2	154	1.6	3	<2	17	38.21	.036	<1	5	2.98	64	<.01	<3	.11	<.01	.08	<2	.01
Z96-7 47.10-48.66	5	16	58	237	.9	14	1	479	3.32	320	<5	<2	<2	157	1.3	3	<2	19	22.10	.010	2	4	12.12	6	<.01	<3	.03	<.01	.01	<2	.07
Z96-7 48.66-49.99	20	6	18469	6593	8.5	14	1	422	1.38	62	<5	<2	<2	126	44.3	11	<2	72	22.36	.114	5	7	12.00	12	<.01	3	.06	<.01	.01	<2	.01
Z96-7 49.99-51.98	1	1	382	672	.3	4	<1	348	.65	7	<5	<2	<2	158	3.0	<2	<2	13	24.46	.044	2	2	13.00	6	<.01	3	.02	<.01	.02	<2	<.01
RE Z96-7 49.99-51.98	1	1	367	645	.4	4	<1	327	.61	8	<5	<2	2	150	2.8	<2	<2	14	23.24	.041	2	3	12.21	6	<.01	<3	.02	<.01	.01	<2	<.01
RRE Z96-7 49.99-51.98	1	1	233	629	.3	4	<1	338	.58	7	<5	<2	<2	152	2.6	<2	2	11	23.87	.032	2	4	12.74	6	<.01	<3	.02	<.01	<.01	<2	<.01
Z96-7 51.98-53.60	2	2	895	4297	1.2	5	<1	494	1.07	20	<5	<2	<2	132	43.6	2	<2	11	23.20	.011	2	5	11.65	12	<.01	<3	.06	<.01	.02	<2	<.01
Z96-7 59.49-60.43	<1	103	25	110	.6	38	23	1330	6.32	86	11	<2	14	345	1.4	13	<2	8	20.79	.040	2	27	10.31	8	.01	<3	.12	<.01	<.01	<2	.05
Z96-7 60.43-60.97	3	94	25	160	.5	61	32	1986	6.45	8	55	<2	94	74	.7	3	4	33	6.89	.234	11	83	1.18	32	.22	<3	1.01	<.01	.17	6	<.01
Z96-7 73.29-74.73	31	36	24	36	<.3	18	11	348	2.57	16	9	<2	4	12	<.2	5	2	16	.70	.069	8	23	.60	61	.03	<3	1.00	.01	.15	2	<.01
Z96-7 74.73-76.14	7	26	5	17	<.3	13	7	163	2.15	29	9	<2	4	7	<.2	5	<2	7	.35	.090	7	15	.20	7	.01	<3	.42	<.01	.06	2	.01
Z96-7 76.14-78.01	4	13	10	10	<.3	10	3	110	.73	5	5	<2	2	3	<.2	<2	2	4	.20	.008	3	27	.10	3	<.01	<3	.17	<.01	.03	3	<.01
Z96-7 78.01-79.83	24	23	8	56	<.3	60	18	780	4.51	21	6	<2	6	31	<.2	6	2	47	1.00	.114	18	56	1.30	601	.05	<3	2.49	.01	.32	<2	<.01
Z96-7 79.83-81.28	3	4	10	29	<.3	9	2	408	1.21	<2	18	<2	18	17	<.2	<2	<2	10	.38	.025	15	26	.38	42	.02	<3	.65	.03	.15	3	<.01
STANDARD C2/AU-1	19	55	34	131	6.8	69	34	1160	4.09	43	26	8	34	49	18.9	18	20	68	.50	.103	36	59	.99	185	.07	26	2.02	.06	.14	15	3.39

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 21 1996 DATE REPORT MAILED: Nov 1/96 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5444

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	Au** gm/t
Z96-8 20.97-22.17	1	16	46	66	<.3	3	<1	28	.63	2	<5	<2	<2	302	1.4	<2	2	4	35.86	.012	<1	1	2.83	25	<.01	<3	.03	.01	.02	<2	<.01
Z96-8 22.17-23.47	2	1	80	106	<.3	5	<1	30	.50	4	<5	<2	<2	342	2.2	2	<2	7	39.34	.009	1	1	1.05	98	<.01	4	.02	.01	.02	<2	<.01
Z96-8 23.47-24.86	2	2	31	97	<.3	4	<1	27	.31	<2	5	<2	<2	365	2.1	<2	<2	4	40.44	.015	1	2	1.24	28	<.01	<3	.02	<.01	.02	<2	<.01
Z96-8 24.86-26.07	2	2	79	103	<.3	4	<1	42	.42	3	<5	<2	<2	385	1.8	<2	<2	4	40.67	.007	1	2	.73	24	<.01	<3	.02	<.01	.02	<2	<.01
Z96-8 26.07-27.16	3	4	68	110	<.3	7	<1	28	.73	7	8	<2	<2	371	1.9	2	<2	7	39.08	.007	1	1	1.14	23	<.01	3	.02	<.01	.02	<2	<.01
Z96-8 27.16-29.57	1	23	81	121	<.3	5	<1	39	.47	3	7	<2	<2	329	1.2	<2	<2	5	38.71	.012	1	2	1.26	21	<.01	<3	.02	<.01	.02	<2	<.01
Z96-8 29.57-30.75	1	13	228	140	.3	4	<1	68	.44	3	6	<2	<2	277	1.7	<2	<2	5	39.62	.012	<1	1	.82	26	<.01	<3	.03	<.01	.02	<2	<.01
Z96-8 30.75-32.48	8	21	238	386	<.3	33	1	56	4.55	39	<5	<2	<2	161	5.5	2	<2	22	28.73	.021	1	2	.22	16	<.01	<3	.02	<.01	.01	<2	<.01
Z96-8 32.48-33.85	1	6	200	422	.3	16	<1	74	1.53	13	6	<2	<2	256	4.7	<2	<2	10	37.40	.017	<1	2	.71	29	<.01	<3	.02	<.01	.01	<2	<.01
Z96-8 33.85-35.66	1	6	53	74	<.3	11	1	72	1.19	12	<5	<2	<2	288	1.0	2	<2	9	40.60	.011	<1	1	.51	43	<.01	<3	.02	<.01	.02	<2	.02
Z96-8 35.66-38.71	74	50	29956	22126	6.5	70	12	680	50.23	293	<5	<2	<2	20	45.7	42	<2	256	2.06	.203	7	33	.60	42	.02	<3	.58	.01	.03	<2	.07
Z96-8 38.71-43.89	1	14	547	1540	2.5	5	1	574	1.30	3	<5	<2	<2	166	45.8	2	3	39	28.59	.008	5	3	11.98	22	<.01	<3	.07	.01	.03	<2	<.01
Z96-8 43.89-45.13	1	3	206	512	1.1	2	1	396	.96	2	<5	<2	<2	186	6.4	<2	5	20	26.65	.024	2	5	13.42	18	<.01	3	.06	<.01	.04	<2	<.01
Z96-8 49.35-50.74	1	23	162	351	.3	2	1	321	.61	4	<5	<2	<2	217	2.8	<2	<2	16	26.88	.017	3	5	13.30	55	<.01	<3	.13	<.01	.06	<2	<.01
Z96-8 50.74-54.86	22	22	13671	3165	8.1	16	2	286	6.50	112	<5	<2	<2	270	19.6	19	<2	40	22.58	.012	4	5	12.69	54	<.01	<3	.06	<.01	.03	<2	.01
Z96-8 54.86-56.69	1	44	395	204	.3	4	<1	70	.69	12	<5	<2	<2	293	2.1	4	<2	16	43.71	.024	<1	2	1.17	16	<.01	<3	.04	<.01	.01	4	<.01
Z96-8 56.69-57.00	91	25	41730	6310	19.5	42	7	299	19.90	280	<5	<2	<2	198	26.9	70	4	116	25.49	.035	2	14	1.67	57	.01	<3	.23	.01	.03	<2	.16
Z96-8 57.00-58.02	1	9	284	1197	.3	16	1	62	2.80	24	8	<2	<2	307	3.2	3	<2	16	41.91	.020	<1	2	.99	24	<.01	<3	.04	<.01	.02	<2	.02
Z96-8 58.02-59.53	<1	1	110	215	<.3	4	<1	39	1.03	18	7	<2	2	334	1.4	3	<2	8	41.43	.015	2	2	1.25	39	<.01	<3	.02	<.01	.02	<2	<.01
Z96-8 59.53-62.31	1	3	110	497	.3	11	<1	48	2.05	18	5	<2	<2	245	2.3	3	3	20	42.32	.024	<1	2	1.22	34	<.01	<3	.04	<.01	.03	<2	.01
Z96-8 62.31-64.92	<1	1	48	243	<.3	2	<1	38	.78	6	<5	<2	<2	226	1.3	2	<2	8	42.87	.018	1	2	1.56	25	<.01	<3	.03	.01	.03	<2	<.01
Z96-8 64.92-65.86	9	18	6603	871	2.4	7	1	66	3.03	39	5	<2	<2	208	4.1	12	<2	21	42.79	.022	1	3	1.92	19	<.01	<3	.09	<.01	.05	<2	.02
Z96-8 78.64-79.81	5	31	76	131	<.3	9	<1	52	1.05	6	<5	<2	<2	241	1.1	2	2	13	40.71	.004	<1	2	.95	36	<.01	<3	.02	<.01	.01	<2	<.01
Z96-8 79.81-81.22	3	131	79	93	.3	6	<1	56	.36	2	<5	<2	<2	274	.6	2	<2	6	41.28	.002	1	1	1.43	45	<.01	<3	.02	<.01	.01	<2	<.01
Z96-8 81.22-83.77	6	23	262	342	.3	12	1	70	1.24	3	5	<2	<2	236	2.0	2	<2	24	38.25	.007	1	3	1.68	93	<.01	<3	.05	.01	.04	<2	<.01
RE Z96-8 81.22-83.77	6	29	332	351	.3	11	1	70	1.27	4	<5	<2	<2	238	1.9	3	<2	24	38.55	.007	2	3	1.71	95	<.01	3	.05	.01	.04	<2	<.01
RRE Z96-8 81.22-83.77	6	26	274	354	.4	11	<1	74	1.29	4	<5	<2	2	252	1.9	2	2	26	40.77	.008	2	4	1.84	101	<.01	<3	.05	.01	.05	<2	.01
Z96-8 83.77-85.66	6	8	264	302	<.3	15	<1	76	1.41	3	<5	<2	<2	228	1.7	3	<2	21	40.80	.008	<1	3	1.61	88	<.01	3	.04	<.01	.02	<2	<.01
Z96-8 85.66-86.64	2	35	71	165	<.3	5	<1	376	.66	2	<5	<2	<2	470	.8	2	<2	18	42.87	.003	2	3	.79	53	<.01	<3	.06	<.01	.01	2	<.01
Z96-8 86.64-89.40	3	4	138	86	.4	5	<1	139	.31	<2	6	<2	<2	264	.7	3	4	13	43.28	.005	1	3	1.34	81	<.01	3	.02	<.01	.02	<2	.02
Z96-8 89.40-90.96	13	110	29077	28828	12.7	20	4	567	6.36	163	<5	<2	3	119	124.8	25	2	52	18.59	.029	4	7	9.51	12	<.01	<3	.06	<.01	.01	<2	.15
Z96-8 90.96-92.73	7	47	8179	8910	2.8	10	2	580	2.35	46	<5	<2	2	137	51.7	10	<2	41	24.77	.009	6	6	13.16	17	<.01	<3	.03	<.01	.01	<2	.04
Z96-8 92.73-94.40	7	38	24067	52539	4.3	22	5	275	12.93	97	8	<2	3	64	349.4	31	<2	84	10.30	.255	2	8	5.40	1	<.01	<3	.10	<.01	.04	<2	.06
Z96-8 94.40-95.65	6	59	2329	1391	.7	7	1	425	1.03	13	<5	<2	<2	161	10.5	4	<2	46	23.06	.037	3	7	11.57	26	<.01	<3	.20	<.01	.04	<2	.07
Z96-8 95.65-98.25	2	31	331	1170	.3	10	1	386	3.28	26	<5	<2	<2	175	7.2	5	<2	52	21.66	.061	4	10	11.03	12	<.01	6	.15	<.01	.02	<2	.03
Z96-8 98.66-99.56	2	90	409	2024	.6	39	5	2983	2.56	22	<5	<2	<2	527	15.0	29	<2	70	26.56	.072	10	38	6.76	37	.01	<3	.85	<.01	.07	<2	.02
STANDARD C2/AU-1	22	64	40	152	7.5	80	40	1160	4.18	48	22	8	39	56	22.2	19	20	77	.56	.109	43	69	.99	206	.08	31	2.01	.07	.16	14	3.38

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE F IVED: OCT 21 1996 DATE REPORT MAILED: Nov 4/96 SIGNED BY C.L.......D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C AYERS

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5444R

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

SAMPLE#	Pb %	Zn %	Ag gm/t	Au** gm/t
Z96-8 33.85-35.66	.01	<.01	-	-
Z96-8 49.35-50.74	.01	.02	-	-
Z96-8 50.74-54.86	1.10	.25	-	-
Z96-8 54.86-56.69	.03	.02	.3	<.01
Z96-8 62.31-64.92	<.01	.02	-	-
Z96-8 86.64-89.40	.01	<.01	.7	<.01
Z96-8 89.40-90.96	2.33	2.37	10.6	-
Z96-8 90.96-92.73	.64	.78	-	-
Z96-8 92.73-94.40	10.99	4.89	-	-

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. -
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: NOV 6 1996 DATE REPORT MAILED: Nov 18/96 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Date FA ____

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

ASSAY CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-5444R2

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

SAMPLE#	Pb %	Zn %	Ag gm/t	Au** gm/t
Z96-8 35.66-38.71	2.33	1.66	-	-
Z96-8 56.69-57.00	3.74	.50	16.1	.15
Z96-8 89.40-90.96	-	-	-	.13

1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. -
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: NOV 15 1996 DATE REPORT MAILED: Nov 21/96 SIGNED BY. C.L. .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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-5444R3

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

SAMPLE#	Ga %	Ge %
Z96-8 89.40-90.96	<.001	<.001
Z96-8 90.96-92.73	<.001	<.001
Z96-8 92.73-94.40	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. C. L. 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 # 96-3742 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	Au** gm/t
G96-1 3.96-5.79	1	21	14	85	.3	33	13	517	3.58	<2	<5	<2	13	9	.6	<2	<2	43	.19	.043	28	54	1.17	182	.15	4	2.20	.03	.96	<2	.01
G96-1 5.79-7.32	<1	15	9	91	<.3	34	13	514	3.61	<2	<5	<2	13	9	.5	<2	<2	45	.20	.046	30	57	1.27	206	.19	3	2.45	.04	1.13	<2	<.01
G96-1 7.32-8.37	<1	20	6	83	<.3	38	14	846	3.98	<2	<5	<2	10	12	.3	<2	<2	55	.40	.051	24	66	1.37	239	.25	3	2.51	.04	1.39	<2	<.01
G96-1 8.37-9.04	<1	18	8	95	.3	42	15	448	4.38	<2	<5	<2	15	13	<.2	<2	<2	36	.22	.042	39	46	1.21	174	.17	4	2.47	.02	1.14	<2	<.01
G96-1 9.04-10.36	<1	19	6	79	.3	31	13	527	3.54	<2	<5	<2	12	11	.3	3	<2	35	.21	.038	31	46	1.02	153	.13	4	2.04	.03	.82	<2	<.01
G96-1 10.36-12.19	<1	23	<3	87	.4	43	20	463	4.41	<2	<5	<2	11	21	.2	<2	<2	40	.41	.046	28	54	1.34	140	.15	4	2.65	.02	1.16	<2	.03
G96-1 12.19-13.91	1	23	12	69	.3	27	10	491	2.84	12	<5	<2	6	50	.6	<2	<2	18	.97	.025	15	29	.75	46	.03	4	1.00	.03	.38	<2	.03
G96-1 13.91-14.54	1	12	6	69	<.3	26	8	903	2.79	11	<5	<2	5	78	.2	<2	<2	39	2.28	.037	20	51	1.12	76	.06	5	1.33	.03	.50	3	.02
G96-1 14.54-16.15	<1	20	8	75	<.3	47	14	815	4.11	<2	<5	<2	8	28	.2	<2	<2	55	.91	.037	20	77	1.44	107	.17	<3	2.44	.03	1.02	<2	.01
G96-1 16.15-17.98	<1	30	7	85	.3	43	15	577	3.97	2	<5	<2	10	60	.4	2	2	67	1.52	.041	22	82	1.39	101	.24	4	3.12	.14	.98	<2	<.01
G96-1 17.98-19.44	3	45	12	135	<.3	55	19	490	4.20	<2	<5	<2	7	29	<.2	3	<2	44	.82	.047	16	70	1.28	83	.12	<3	2.15	.02	.75	<2	<.01
RE G96-1 17.98-19.44	3	43	9	131	<.3	55	18	469	4.06	<2	<5	<2	6	28	.3	4	<2	42	.78	.046	16	69	1.23	80	.12	4	2.08	.02	.72	<2	<.01
RRE G96-1 17.98-19.44	3	45	10	136	<.3	59	19	496	4.24	3	<5	<2	7	30	.3	2	2	44	.82	.047	19	75	1.27	94	.12	3	2.25	.03	.80	<2	<.01
G96-1 19.44-20.83	1	14	17	54	.3	39	11	1301	3.51	6	<5	<2	7	66	.3	<2	16	28	1.49	.033	13	48	1.16	65	.06	6	1.24	.03	.43	2	.10
G96-1 20.83-22.25	1	71	6	94	<.3	77	22	738	4.88	<2	<5	<2	4	60	.4	<2	10	52	1.64	.048	12	139	1.64	121	.14	3	2.38	.05	.81	<2	.14
G96-1 22.25-23.63	<1	65	8	61	<.3	54	19	579	4.53	2	<5	<2	8	25	.3	<2	<2	62	.75	.051	19	80	1.57	129	.20	<3	2.54	.05	1.29	<2	<.01
G96-1 23.63-24.99	<1	46	<3	66	<.3	77	21	453	4.26	2	5	<2	6	34	.2	<2	<2	75	.96	.053	15	132	2.13	201	.27	3	2.57	.07	1.46	<2	.03
G96-1 24.99-26.21	1	8	4	57	<.3	37	10	1241	3.99	4	<5	<2	6	57	.5	<2	<2	43	1.22	.044	17	54	1.47	174	.11	5	1.81	.03	.72	<2	<.01
G96-1 26.21-27.49	1	34	6	79	<.3	59	18	715	4.61	<2	<5	<2	6	46	<.2	<2	<2	84	1.00	.052	16	112	1.72	212	.28	3	2.80	.07	1.52	<2	<.01
G96-1 27.49-28.04	1	17	6	58	<.3	45	12	620	3.35	<2	<5	<2	7	37	.2	<2	<2	40	.66	.021	15	66	1.04	99	.15	3	1.67	.04	.86	3	.02
G96-1 28.04-29.20	1	20	8	63	<.3	37	13	645	3.56	<2	<5	<2	9	49	.2	2	<2	44	.78	.040	19	62	1.22	102	.16	3	1.96	.04	.90	<2	.02
G96-1 29.20-30.78	1	27	11	92	<.3	66	19	646	4.54	2	<5	<2	9	39	.2	<2	3	70	.97	.042	22	103	1.77	197	.26	3	2.79	.05	1.46	<2	.02
G96-1 30.78-32.26	1	46	11	113	<.3	254	41	1525	6.00	4	<5	<2	4	112	.9	<2	<2	114	2.73	.102	16	295	4.64	299	.30	4	4.22	.19	2.30	<2	<.01
RE G96-1 30.78-32.26	<1	42	7	108	<.3	235	37	1393	5.55	6	<5	<2	4	102	.5	<2	<2	105	2.52	.095	14	271	4.33	255	.27	4	3.89	.17	2.12	<2	<.01
RRE G96-1 30.78-32.26	1	40	11	105	<.3	229	36	1348	5.40	<2	8	<2	4	101	.3	<2	3	102	2.40	.095	14	263	4.22	244	.27	4	3.81	.18	2.07	<2	<.01
G96-1 32.26-33.42	<1	20	<3	59	<.3	46	16	607	4.15	7	<5	<2	9	28	.2	2	<2	49	.56	.018	26	55	1.32	75	.13	4	2.40	.03	1.12	<2	<.01
G96-1 33.42-34.67	2	205	<3	30	<.3	44	39	976	6.34	8	<5	<2	5	67	.6	<2	2	25	2.07	.054	15	33	.67	36	.10	4	1.26	.05	.31	38	<.01
G96-1 34.67-35.62	<1	202	<3	115	<.3	118	35	641	5.61	<2	<5	<2	<2	139	.7	<2	<2	106	2.49	.122	16	146	1.69	67	.42	<3	2.55	.16	.71	7	<.01
G96-1 35.62-36.41	1	54	4	89	<.3	70	25	591	3.63	<2	<5	<2	2	130	.3	<2	<2	75	2.71	.141	20	86	1.36	194	.35	5	2.34	.20	.58	<2	<.01
G96-1 36.41-38.36	2	119	8	71	<.3	65	22	869	4.49	3	<5	<2	5	115	.4	<2	2	56	2.96	.114	26	71	1.25	91	.27	4	2.11	.13	.47	<2	.01
G96-1 38.36-39.48	<1	69	4	82	<.3	348	45	463	4.43	2	<5	<2	4	32	.2	<2	2	86	2.04	.077	17	262	3.46	175	.23	3	2.86	.06	1.02	<2	<.01
G96-1 39.48-40.86	<1	42	5	50	<.3	50	16	798	4.07	<2	<5	<2	7	23	<.2	<2	<2	44	.98	.043	14	69	1.42	93	.16	5	2.18	.05	1.09	<2	<.01
G96-1 40.86-42.02	<1	27	6	41	<.3	37	12	1016	3.64	<2	<5	<2	8	36	<.2	<2	<2	30	1.21	.042	14	42	1.16	76	.12	6	1.78	.04	.89	<2	.02
G96-1 42.02-43.51	1	31	<3	72	.3	54	19	640	4.65	<2	<5	<2	9	18	.4	2	<2	77	.75	.066	20	109	1.69	180	.27	3	2.79	.05	1.50	<2	.01
G96-1 43.51-44.94	<1	35	3	60	<.3	46	16	479	4.04	<2	<5	<2	11	16	.2	<2	<2	45	.41	.041	21	58	1.32	117	.22	3	2.51	.05	1.29	<2	<.01
G96-1 44.94-46.37	<1	29	7	69	<.3	57	18	578	4.20	8	<5	<2	11	40	<.2	<2	<2	66	.58	.039	15	98	1.53	167	.31	4	3.15	.10	1.53	<2	.18
STANDARD C2/AU-1	19	57	47	138	6.2	72	35	1182	3.95	41	18	7	33	50	20.5	17	20	72	.56	.102	40	67	.98	200	.08	28	1.99	.06	.15	12	3.35

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 1996 DATE REPORT MAILED: Aug 31/96 SIGNED BY.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/t
G96-1 46.37-47.72	1	34	<3	62	<.3	46	15	586	3.96	11	<5	<2	8	37	1.5	2	<2	62	.72	.057	14	73	1.45	149	.29	5	2.81	.09	1.39	2	.08
G96-1 47.72-49.17	1	37	<3	55	<.3	52	16	482	4.08	<2	<5	<2	8	35	.8	<2	<2	50	.52	.048	17	75	1.37	101	.23	4	2.83	.08	1.20	<2	.09
G96-1 49.17-50.58	1	42	<3	92	<.3	70	20	442	4.13	<2	<5	<2	8	64	.8	<2	<2	73	.89	.062	18	111	1.59	245	.28	3	3.05	.13	1.30	<2	<.01
G96-1 50.58-52.12	1	44	4	104	.3	62	20	481	4.63	<2	6	<2	8	70	.6	2	<2	81	1.41	.037	18	108	1.92	203	.34	3	4.30	.14	1.68	<2	.01
G96-1 52.12-53.44	1	39	<3	56	<.3	42	13	271	2.93	<2	<5	<2	8	55	.2	<2	<2	54	1.05	.022	13	90	1.34	141	.22	3	3.03	.11	1.14	2	.02
G96-1 53.44-54.63	2	23	<3	40	<.3	36	11	264	2.47	<2	<5	<2	9	22	<.2	2	<2	41	.41	.011	14	68	1.03	100	.16	3	2.04	.08	.91	4	.03
G96-1 54.63-56.35	<1	35	4	66	<.3	65	17	375	3.97	<2	<5	<2	9	55	.4	<2	<2	80	1.31	.038	13	107	1.69	202	.29	3	3.33	.12	1.14	<2	.03
G96-1 56.35-57.33	1	46	<3	51	<.3	49	17	373	3.75	<2	<5	<2	7	29	.4	<2	<2	56	.64	.052	12	75	1.30	169	.26	3	2.67	.08	1.19	2	.04
G96-1 57.33-58.22	<1	252	<3	74	<.3	137	66	325	6.59	<2	<5	<2	<2	95	.5	<2	<2	60	1.75	.098	5	164	1.19	120	.29	<3	2.92	.20	.91	<2	<.01
G96-1 58.22-59.44	<1	46	<3	68	<.3	63	16	358	4.24	<2	<5	<2	9	38	.4	<2	<2	65	.80	.056	21	94	1.37	207	.32	<3	3.19	.09	1.62	<2	<.01
RE G96-1 58.22-59.44	<1	49	<3	71	<.3	65	17	379	4.40	3	<5	<2	9	39	.5	<2	<2	67	.83	.058	22	96	1.43	215	.33	4	3.31	.09	1.69	2	.01
RRE G96-1 58.22-59.44	<1	45	<3	69	<.3	63	16	360	4.25	<2	<5	<2	10	39	<.2	<2	<2	66	.81	.056	21	92	1.39	207	.32	3	3.21	.09	1.62	<2	.03
G96-1 59.44-60.57	1	31	<3	52	<.3	50	11	344	3.26	<2	<5	<2	7	88	.3	<2	<2	62	1.54	.026	10	80	1.28	161	.24	3	3.66	.20	1.14	<2	.02
G96-1 60.57-62.07	1	38	<3	63	<.3	44	13	554	3.78	3	5	<2	10	43	<.2	<2	<2	54	1.29	.033	10	73	1.35	101	.21	<3	2.80	.10	.98	<2	<.01
G96-1 62.07-63.40	<1	36	<3	49	<.3	45	14	510	3.67	4	<5	<2	11	31	.3	2	<2	48	1.02	.032	17	63	1.21	81	.22	4	2.43	.05	.92	2	.02
STANDARD C2/AU-1	20	56	43	141	6.3	74	35	1140	3.90	43	23	8	36	50	20.9	16	19	74	.54	.102	40	66	1.00	200	.09	30	2.00	.06	.15	13	3.53

Sample type: CORE. 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 JERSEY File # 96-3856

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	Au** gm/t
G96-2 5.79-7.65	1	13	3	16	<.3	14	1	163	.33	5	<5	<2	3	197	.2	<2	<2	52	40.92	.215	6	9	.34	265	.01	<3	.31	.01	.02	<2	.02
G96-2 15.24-16.76	2	7	22	35	<.3	10	1	52	.31	5	<5	<2	2	240	.6	<2	<2	68	37.17	.240	6	13	.71	559	.02	3	.33	.01	.08	<2	<.01
G96-2 18.03-20.22	7	30	20	190	.4	40	3	62	.85	9	16	<2	5	260	2.5	7	<2	238	35.61	.569	17	45	1.10	864	.02	<3	.79	<.01	.08	<2	<.01
G96-2 22.24-24.24	17	45	6	201	<.3	80	4	76	.69	4	10	<2	6	116	2.4	<2	<2	193	8.53	.440	13	35	1.22	614	.07	3	1.21	.03	.06	6	<.01
G96-2 24.24-25.04	12	26	4	1036	<.3	35	2	73	.32	3	8	<2	5	149	14.8	<2	2	127	14.42	.694	11	23	.19	377	.03	6	.77	.01	.03	4	<.01
G96-2 29.48-31.70	16	77	<3	85	<.3	108	14	111	2.15	3	<5	<2	5	118	.9	<2	<2	235	2.77	.217	14	79	.55	97	.13	3	2.80	.15	.17	3	.03
G96-2 31.70-32.54	5	54	<3	35	<.3	67	8	129	1.17	3	<5	<2	7	245	.2	<2	<2	53	3.77	.120	16	36	.34	85	.10	4	3.29	.27	.10	3	.02
G96-2 32.54-33.92	3	98	<3	30	<.3	42	14	71	1.83	<2	<5	<2	9	240	<.2	<2	<2	42	4.43	.075	22	36	.30	77	.10	5	4.32	.34	.11	3	<.01
G96-2 33.92-35.30	2	75	<3	43	<.3	35	11	56	1.34	<2	<5	<2	12	272	<.2	<2	<2	32	4.75	.063	23	36	.28	88	.10	5	4.73	.39	.11	3	<.01
RE G96-2 33.92-35.30	2	72	<3	40	<.3	34	10	55	1.31	<2	<5	<2	9	267	<.2	<2	<2	31	4.65	.061	22	34	.27	87	.10	5	4.64	.38	.11	2	<.01
RRE G96-2 33.92-35.30	2	80	<3	43	<.3	40	12	61	1.47	<2	<5	<2	10	282	<.2	<2	2	32	5.00	.061	23	38	.29	94	.11	6	4.91	.40	.12	2	<.01
G96-2 35.30-36.74	2	49	<3	55	<.3	36	10	64	1.32	<2	<5	<2	11	228	<.2	<2	<2	37	4.42	.061	25	39	.38	82	.13	6	3.95	.33	.15	3	<.01
G96-2 36.74-37.98	3	40	<3	52	<.3	47	11	93	1.61	<2	<5	<2	11	217	<.2	2	<2	79	4.49	.098	24	47	.55	104	.14	6	3.74	.28	.26	2	<.01
G96-2 39.19-40.82	3	76	<3	99	<.3	49	16	138	2.29	5	<5	<2	9	162	.6	<2	<2	57	4.15	.081	23	48	.81	129	.14	5	3.41	.22	.24	3	.08
G96-2 45.17-46.31	3	46	<3	50	<.3	39	12	242	2.17	2	<5	<2	9	182	.3	<2	<2	61	5.07	.081	20	50	.98	89	.14	4	3.76	.29	.27	2	<.01
G96-2 48.07-49.53	4	52	6	42	<.3	41	11	77	1.74	3	<5	<2	7	213	<.2	<2	<2	67	4.70	.119	18	50	.60	90	.14	5	3.86	.29	.35	3	<.01
G96-2 52.11-53.20	2	77	4	32	<.3	41	11	73	1.68	<2	<5	<2	9	240	<.2	<2	<2	40	4.48	.071	24	37	.30	74	.12	6	4.52	.40	.17	2	<.01
G96-2 54.75-55.93	4	87	3	40	<.3	56	17	102	3.12	5	<5	<2	9	176	<.2	<2	<2	108	4.26	.099	22	59	.57	88	.14	4	4.81	.31	.22	3	<.01
G96-2 55.93-57.11	5	76	7	39	<.3	63	19	118	2.59	6	<5	<2	9	165	<.2	<2	2	91	3.80	.086	21	61	.61	81	.14	4	4.34	.34	.33	3	<.01
G96-2 59.63-61.14	1	49	<3	53	<.3	37	13	102	1.83	2	<5	<2	9	241	.2	2	3	37	4.75	.057	20	45	.64	87	.15	5	4.93	.34	.34	9	<.01
G96-2 61.14-62.40	1	50	<3	53	<.3	39	13	103	1.85	<2	<5	<2	8	244	<.2	<2	3	37	4.81	.057	20	45	.64	87	.15	6	4.99	.34	.34	9	<.01
RE G96-2 61.14-62.40	2	40	<3	58	<.3	40	12	100	1.81	<2	<5	<2	12	268	<.2	<2	<2	40	4.69	.055	25	47	.67	90	.17	5	5.49	.48	.46	3	<.01
RRE G96-2 61.14-62.40	1	40	5	64	<.3	40	12	111	1.96	2	<5	<2	11	260	.2	<2	<2	42	4.60	.057	24	51	.76	97	.18	6	5.48	.47	.55	2	<.01
G96-2 62.79-64.44	3	76	18	1359	<.3	47	15	104	2.33	2	<5	<2	9	211	11.7	<2	<2	47	4.10	.113	22	46	.41	58	.13	4	4.32	.40	.20	<2	.01
G96-2 64.44-65.84	1	62	8	83	<.3	82	22	504	4.54	49	<5	<2	8	103	.2	<2	<2	89	2.36	.074	18	142	1.78	242	.32	3	4.20	.22	1.35	2	.08
G96-2 66.67-67.91	1	27	<3	69	<.3	49	18	445	4.57	27	<5	<2	12	20	<.2	<2	<2	63	.42	.051	27	72	1.60	233	.32	<3	3.19	.05	1.78	<2	.02
G96-2 69.66-71.10	1	46	6	77	<.3	62	19	451	4.37	38	<5	<2	9	63	<.2	<2	2	81	1.12	.066	13	92	1.72	205	.28	<3	3.38	.11	1.42	2	.04
STANDARD C2/AU-1	20	56	36	140	6.2	73	36	1121	3.92	45	18	8	36	51	20.4	16	20	73	.54	.105	41	64	.96	202	.08	29	1.96	.06	.13	14	3.42

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 1996 DATE REPORT MAILED: Aug 30/96 SIGNED BY.......... 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 # 96-3883

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	Au** gm/t
G96-3 4.44-5.22	1	<1	20	7	<.3	<1	<1	491	.14	4	<5	<2	<2	238	<.2	2	<2	3	36.67	.005	<1	2	7.69	82	<.01	5	.01	.04	.01	<2	.01
G96-3 19.54-20.97	<1	<1	6	2	<.3	1	<1	2192	.17	3	<5	<2	<2	238	<.2	<2	<2	2	41.46	.010	1	2	3.37	17	<.01	<3	.02	.03	.01	<2	<.01
G96-3 20.97-22.05	<1	163	141	22	6.9	5	82	9662	18.91	3096	<5	<2	4	119	1.8	108	<2	3	10.43	.010	3	2	3.76	9	<.01	4	.01	.01	.01	7	4.12
G96-3 22.05-23.16	1	6	18	17	.4	2	1	6534	1.30	125	<5	<2	<2	236	<.2	5	<2	3	36.00	.010	1	2	7.28	59	<.01	<3	.04	<.01	.02	2	.14
G96-3 23.16-24.77	1	<1	10	10	<.3	2	<1	2383	.28	12	<5	<2	2	226	<.2	<2	<2	3	42.37	.011	1	1	2.99	80	<.01	<3	.05	.04	.02	<2	<.01
G96-3 28.65-29.56	1	5	12	60	<.3	7	2	369	.81	26	9	<2	3	176	.2	<2	<2	12	41.93	.011	7	11	2.93	70	.02	<3	.65	.01	.36	<2	.01
G96-3 31.70-32.80	1	1	11	23	<.3	7	<1	126	.30	20	5	<2	3	129	<.2	2	<2	4	45.55	.008	4	2	.32	70	.01	3	.19	.01	.02	<2	.01
G96-3 32.80-34.22	2	2	13	24	<.3	6	1	110	.37	6	<5	<2	<2	154	<.2	<2	<2	5	45.03	.005	3	3	.50	42	.01	4	.19	.01	.05	<2	<.01
G96-3 34.22-35.63	<1	8	106	66	<.3	19	3	105	.53	3	<5	<2	4	126	.3	<2	<2	7	39.97	.020	10	9	.60	186	.05	4	1.10	.11	.10	<2	<.01
G96-3 41.00-43.11	4	10	24	72	.3	21	2	2264	.78	10	11	<2	5	170	.6	2	<2	88	40.46	.162	9	14	.61	281	.01	3	.32	<.01	.08	<2	.02
G96-3 43.11-45.01	1	16	33	58	.3	6	1	9177	.74	4	<5	<2	3	171	<.2	2	<2	26	41.16	.061	4	6	.33	117	.01	4	.20	.01	.04	<2	.01
G96-3 45.01-45.88	<1	248	8	21	.6	85	124	5579	17.07	<2	<5	<2	5	50	1.3	<2	<2	75	8.03	.141	5	21	.61	41	<.01	5	.61	.01	.09	3	.02
G96-3 45.88-47.17	1	2	10	32	<.3	5	2	1996	.49	6	9	<2	2	187	<.2	<2	<2	8	43.34	.022	3	3	.22	1049	<.01	<3	.09	<.01	.02	<2	.01
RE G96-3 45.88-47.17	1	2	8	46	<.3	3	1	2009	.50	5	<5	<2	<2	186	<.2	<2	<2	8	43.59	.021	3	9	.22	930	<.01	<3	.09	.01	.02	<2	.01
RRE G96-3 45.88-47.17	1	8	9	16	<.3	7	3	2174	1.02	6	<5	<2	3	183	<.2	<2	2	9	42.78	.021	2	4	.23	187	<.01	3	.11	<.01	.02	2	<.01
G96-3 50.95-52.52	1	1	40	56	<.3	5	1	1669	.40	3	6	<2	3	239	.4	<2	<2	14	43.83	.061	5	3	.41	2358	.01	3	.12	.01	.04	2	<.01
G96-3 52.52-54.31	2	13	5	19	<.3	19	3	156	.73	<2	<5	<2	7	49	<.2	<2	<2	13	4.63	.079	9	12	.37	465	.08	4	1.11	.08	.06	3	.01
G96-3 54.31-56.08	2	14	8	28	<.3	17	2	692	.96	<2	<5	<2	7	66	<.2	<2	<2	14	5.46	.041	9	22	1.32	303	.09	3	1.60	.06	.08	2	.01
G96-3 56.08-57.92	2	24	4	24	<.3	18	3	273	.84	7	<5	<2	7	103	<.2	4	<2	15	3.88	.054	10	17	1.33	314	.07	4	1.21	.08	.10	3	.01
G96-3 57.92-59.13	40	109	7	1110	1.1	183	4	235	1.02	146	9	<2	3	163	13.7	29	3	500	5.75	.548	10	68	1.63	299	<.01	11	.48	<.01	.23	<2	.02
G96-3 59.13-61.21	42	104	4	1252	1.0	193	4	266	1.30	15	8	<2	3	185	14.7	14	<2	575	5.69	.309	10	73	1.89	263	<.01	9	.47	.01	.21	<2	.01
G96-3 62.43-64.17	25	98	8	565	1.9	144	5	340	1.91	139	6	<2	4	207	4.9	17	<2	202	4.94	.291	9	45	1.55	89	<.01	9	.53	.01	.22	<2	.01
G96-3 64.17-66.45	36	74	6	997	1.4	187	4	234	1.44	2	12	<2	4	153	10.4	3	<2	640	5.15	.444	10	91	1.52	83	.04	6	.87	.01	.20	<2	<.01
STANDARD C2/AU-1	20	59	38	146	6.8	76	34	1224	4.08	43	18	7	35	53	21.0	13	15	73	.64	.103	41	65	1.07	211	.08	30	2.15	.07	.15	12	3.44

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 23 1996 DATE REPORT MAILED: Sept 5/96 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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-3883R

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

SAMPLE#	Ga %	Ge %
G96-3 20.97-22.05	.001	<.001
G96-3 45.01-45.88	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY C. L. 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 ANALYSIS CERTIFICATE

Sultan Minerals PROJECT JERSEY File # 96-3985

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	Au** gm/t
G96-4 3.96-5.18	4	28	4	87	<.3	36	14	358	3.46	<2	<5	<2	10	46	<.2	<2	<2	41	1.95	.071	23	62	1.12	71	.19	<3	2.96	.07	.83	3	<.01
G96-4 5.18-6.57	2	24	7	88	<.3	37	15	470	3.66	5	<5	<2	9	47	<.2	<2	<2	45	2.40	.074	20	63	1.25	86	.19	<3	3.26	.07	.78	5	.01
G96-4 6.57-8.09	3	14	<3	69	<.3	31	10	427	3.32	<2	<5	<2	11	69	<.2	<2	<2	54	2.48	.075	24	72	1.26	103	.27	<3	3.70	.16	1.05	10	<.01
G96-4 8.09-9.49	1	13	<3	78	<.3	25	9	765	2.41	<2	<5	<2	10	67	<.2	<2	<2	38	5.85	.101	21	50	.89	71	.20	<3	2.50	.09	.74	12	<.01
G96-4 9.49-10.97	4	25	7	90	<.3	42	17	463	4.04	<2	<5	<2	12	22	<.2	<2	<2	44	.76	.050	31	64	1.27	78	.12	<3	3.16	.05	.79	4	<.01
G96-4 10.97-12.29	1	28	4	103	<.3	43	18	391	4.23	<2	<5	<2	11	28	<.2	<2	<2	49	.84	.069	30	68	1.15	77	.17	<3	3.38	.04	.87	<2	<.01
G96-4 12.29-13.47	4	25	6	81	<.3	36	15	377	4.01	<2	<5	<2	14	29	<.2	<2	<2	48	.80	.067	35	64	1.22	97	.18	<3	3.53	.08	.80	2	.01
G96-4 13.47-14.81	2	10	5	61	<.3	27	9	533	2.27	<2	<5	<2	12	41	<.2	<2	<2	29	1.42	.060	24	46	.66	52	.12	<3	2.13	.04	.37	9	<.01
G96-4 14.81-15.95	3	16	8	82	<.3	31	10	359	2.99	2	<5	<2	12	26	<.2	<2	<2	37	1.24	.053	26	56	.96	65	.17	<3	2.43	.06	.74	4	<.01
G96-4 15.95-17.07	4	25	4	84	<.3	39	18	522	4.35	10	<5	<2	11	7	.3	<2	<2	20	.27	.046	30	34	.73	53	.01	6	1.79	.02	.45	<2	<.01
G96-4 17.07-18.29	2	32	<3	79	<.3	43	20	325	4.41	4	<5	<2	9	12	<.2	<2	<2	38	.80	.048	18	55	1.31	62	.05	<3	2.68	.03	.64	<2	<.01
G96-4 18.29-19.20	2	26	23	162	<.3	34	14	727	2.87	<2	<5	<2	9	85	<.2	<2	<2	24	6.31	.192	23	32	1.31	35	.08	<3	1.85	.03	.31	25	<.01
RE G96-4 18.29-19.20	2	25	20	159	<.3	34	13	712	2.80	<2	<5	<2	9	83	.2	<2	<2	24	6.29	.190	23	34	1.30	35	.08	<3	1.82	.03	.28	24	<.01
G96-4 19.20-21.08	3	24	4	75	<.3	39	14	301	3.99	<2	<5	<2	9	37	<.2	<2	<2	49	1.28	.055	16	66	1.33	78	.18	<3	3.28	.09	.84	<2	<.01
G96-4 21.08-23.00	9	29	<3	66	<.3	28	12	408	3.12	2	<5	<2	10	58	<.2	<2	<2	43	4.23	.090	21	57	1.09	42	.19	<3	2.59	.10	.63	76	<.01
G96-4 23.00-24.66	198	9	<3	150	<.3	9	5	3892	2.39	<2	<5	<2	7	48	<.2	<2	3	13	6.86	.087	18	20	.38	6	.06	<3	1.54	.03	.04	745	<.01
G96-4 24.66-26.22	155	23	5	157	.4	7	6	4618	3.05	<2	<5	<2	6	27	<.2	<2	48	7	6.58	.053	12	10	.34	4	.03	<3	1.16	.01	.02	1179	.09
G96-4 26.22-27.64	90	7	<3	167	<.3	8	5	4128	2.19	24	<5	<2	6	39	.2	2	6	10	6.95	.040	15	18	.53	20	.05	<3	1.30	.02	.04	208	<.01
G96-4 27.64-28.19	152	12	12	194	.5	11	9	10078	4.61	2697	<5	<2	4	393	.3	<2	7	9	18.20	.031	13	8	.88	66	.01	10	.87	.01	.19	420	.11
G96-4 28.19-30.78	593	7	<3	110	<.3	7	4	3817	1.85	<2	<5	<2	6	114	<.2	<2	45	10	6.78	.045	16	16	.36	17	.04	<3	1.96	.09	.10	549	.11
STANDARD C2/AU-1	20	61	37	136	6.5	79	37	1133	4.00	44	20	7	36	51	20.7	17	15	72	.52	.104	41	68	.99	201	.07	30	2.13	.09	.18	10	3.41

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 26 1996 DATE REPORT MAILED: Sept 11/96 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 # 96-4941 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	Au** gm/t
G96-5 14.22-15.29	<1	20	<3	24	<.3	4	1	162	.23	4	<5	<2	2	266	.2	<2	2	10	36.38	.033	4	2	9.87	50	<.01	<3	.10	<.01	.04	2	<.01
G96-5 18.44-19.51	<1	12	8	10	<.3	2	<1	55	.10	<2	11	<2	<2	207	.2	<2	<2	6	37.39	.033	2	1	3.72	50	<.01	<3	.08	.01	.03	2	<.01
G96-5 127.90-128.85	1	10	23	103	<.3	3	<1	87	.06	2	15	<2	<2	219	1.2	2	2	8	40.45	.023	<1	1	.92	67	<.01	<3	.06	<.01	.02	<2	<.01
G96-5 128.85-129.85	1	9	114	792	.4	4	<1	174	.38	9	6	<2	<2	232	7.0	5	2	28	35.45	.025	1	4	4.61	73	<.01	<3	.12	<.01	.03	<2	<.01
G96-5 129.85-130.98	4	76	1974	33260	5.1	24	5	431	5.85	27	<5	<2	<2	196	515.1	<2	3	89	19.57	.020	1	10	13.56	94	.01	4	.25	.01	.09	2	.01
G96-5 130.98-131.83	7	8	36	1929	<.3	8	<1	382	.85	3	5	<2	<2	295	16.7	<2	2	17	26.59	.024	4	4	15.11	50	<.01	5	.10	<.01	.03	<2	<.01
G96-5 138.85-140.12	2	10	143	758	<.3	4	<1	197	1.06	5	<5	<2	2	189	4.5	<2	<2	30	32.89	.044	5	4	6.17	47	<.01	4	.09	<.01	.05	<2	<.01
G96-5 140.12-141.47	2	12	247	2472	.3	8	2	393	1.32	2	<5	<2	3	194	17.3	<2	<2	31	27.14	.040	9	13	12.66	204	.03	15	.80	.01	.42	<2	<.01
G96-5 141.47-142.53	1	11	78	298	<.3	4	<1	198	.60	2	<5	<2	2	218	2.0	<2	<2	35	35.74	.053	6	4	8.71	82	.01	9	.17	<.01	.11	<2	<.01
G96-5 142.53-144.06	1	7	19	132	.3	3	<1	65	.41	2	15	<2	<2	166	1.0	4	<2	8	37.35	.021	<1	1	2.14	25	<.01	4	.05	<.01	.02	<2	<.01
G96-5 144.06-145.25	1	6	151	186	<.3	4	<1	106	.45	3	6	<2	<2	155	1.7	4	<2	15	33.63	.026	1	2	4.49	31	<.01	<3	.04	<.01	.01	<2	<.01
RE G96-5 144.06-145.25	1	7	152	203	<.3	3	<1	107	.46	4	8	<2	2	164	1.8	<2	2	16	33.95	.026	3	2	4.58	33	<.01	<3	.05	<.01	.01	<2	.01
RRE G96-5 144.06-145.25	1	8	167	197	<.3	3	<1	105	.46	3	7	<2	<2	157	1.8	2	<2	15	33.05	.026	2	1	4.61	31	<.01	<3	.04	.01	.01	<2	<.01
G96-5 154.37-155.60	1	10	44	97	<.3	6	<1	41	.82	11	18	<2	<2	169	.6	3	<2	7	39.33	.038	2	2	1.20	10	<.01	<3	.04	<.01	.02	<2	<.01
G96-5 158.84-160.58	1	5	54	87	.3	5	<1	482	.42	5	17	<2	<2	324	1.5	2	<2	11	38.81	.018	<1	2	1.79	15	<.01	<3	.04	.01	.02	<2	<.01
G96-5 166.07-167.07	1	5	34	107	<.3	2	<1	145	.43	4	15	<2	<2	219	1.6	<2	<2	11	38.67	.020	1	2	2.09	17	<.01	<3	.04	<.01	.03	<2	<.01
G96-5 167.07-168.16	<1	174	136	74	3.7	1	8	5236	8.58	392	8	<2	<2	226	3.0	<2	16	7	39.04	.019	2	1	2.39	17	<.01	<3	.04	<.01	.01	<2	.55
G96-5 168.16-169.39	1	6	42	85	<.3	2	<1	1228	.46	19	9	<2	<2	246	1.0	<2	2	6	37.57	.013	<1	1	2.09	13	<.01	<3	.02	<.01	.02	<2	<.01
G96-5 169.39-170.70	<1	12	44	118	<.3	2	1	2462	.76	20	17	<2	3	275	1.2	2	3	9	38.85	.020	5	2	3.04	19	<.01	<3	.03	.01	.01	<2	.02
G96-5 170.70-171.70	<1	1002	50	14	2.3	<1	101	7520	34.00	96	<5	<2	3	52	3.1	<2	<2	10	7.24	.007	<1	1	2.54	7	<.01	<3	.03	<.01	<.01	4	.23
G96-5 171.70-172.70	1	756	24	4	1.3	1	100	7717	33.60	<2	<5	<2	3	44	3.6	<2	<2	11	5.84	.022	<1	2	2.39	7	<.01	<3	.04	<.01	<.01	<2	.11
G96-5 172.70-173.70	<1	1030	33	11	1.6	<1	87	12665	29.09	59	7	<2	3	46	4.4	<2	<2	12	7.27	.032	1	1	3.86	10	<.01	<3	.03	<.01	.01	<2	.11
G96-5 173.70-174.70	<1	500	51	24	2.1	1	84	12746	21.72	532	9	<2	2	103	4.5	<2	<2	9	9.56	.025	1	3	2.68	13	<.01	<3	.02	<.01	<.01	<2	.18
G96-5 174.70-175.70	<1	581	103	20	3.0	<1	211	11379	33.74	3064	6	<2	3	79	2.7	18	4	12	4.55	.013	<1	2	2.88	13	<.01	<3	.03	<.01	<.01	4	.52
RE G96-5 174.70-175.70	<1	569	102	20	2.9	2	207	11326	29.51	3075	10	<2	3	75	2.8	19	4	12	4.68	.014	<1	2	2.87	13	<.01	<3	.03	<.01	<.01	4	.50
RRE G96-5 174.70-175.70	<1	533	206	16	4.5	1	160	11329	28.06	4319	11	<2	3	84	2.8	12	5	11	4.80	.015	<1	2	2.85	12	<.01	<3	.03	<.01	<.01	4	.53
G96-5 175.70-176.70	<1	156	31	13	1.2	2	39	8781	11.01	1451	<5	<2	<2	70	1.7	13	<2	6	8.06	.006	<1	1	2.14	6	<.01	<3	<.01	<.01	<.01	<2	.19
G96-5 176.70-177.70	<1	222	88	4	2.6	2	34	5530	9.15	140	13	2	<2	11	1.1	5	18	3	2.26	.006	<1	2	1.09	2	<.01	<3	<.01	<.01	<.01	<2	13.71
G96-5 177.70-178.70	<1	288	105	4	3.4	1	55	4765	10.46	189	13	4	<2	12	1.1	<2	8	4	2.07	.005	<1	2	.93	2	<.01	<3	.01	<.01	<.01	<2	2.94
G96-5 178.70-179.70	<1	120	23	15	.9	1	19	9397	7.26	585	<5	<2	<2	41	.8	11	<2	7	8.75	.009	<1	1	3.97	9	<.01	<3	.01	<.01	<.01	<2	.45
G96-5 179.70-180.61	1	8	23	79	<.3	1	<1	200	.19	4	13	<2	<2	151	.6	4	2	6	34.62	.019	1	1	3.07	51	<.01	<3	.02	<.01	.01	<2	<.01
G96-5 180.61-181.42	1	21	22	34	<.3	1	2	4064	.96	36	7	<2	<2	188	.3	3	<2	6	37.87	.010	2	2	1.60	41	<.01	<3	.01	<.01	.01	3	<.01
G96-5 183.55-185.27	2	9	6	220	<.3	5	<1	603	.43	6	5	<2	2	173	.9	<2	<2	13	31.09	.012	6	2	7.50	97	<.01	5	.04	<.01	.02	<2	<.01
G96-5 188.05-189.58	1	7	116	192	.4	3	<1	404	.44	8	<5	<2	<2	181	1.3	<2	<2	12	33.45	.006	<1	1	8.19	80	<.01	3	.02	<.01	.02	<2	<.01
G96-5 189.58-191.06	1	7	79	51	<.3	2	<1	121	.27	2	15	<2	<2	162	.4	3	<2	7	36.96	.009	1	1	2.02	78	<.01	<3	.01	<.01	<.01	2	<.01
G96-5 191.06-193.22	1	7	8	156	<.3	3	<1	220	.26	<2	8	<2	<2	151	.8	3	<2	13	32.64	.020	3	1	4.82	58	<.01	3	.03	<.01	.02	<2	<.01
STANDARD C2/AU-1	22	66	38	154	7.6	73	36	1230	3.87	41	16	9	40	56	19.8	14	18	77	.54	.108	41	65	1.05	215	.09	30	2.10	.08	.16	9	3.41

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: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RE[illegible]VED: OCT 1 1996 DATE REPORT MAILED: Oct 7/96 SIGNED BY.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. A[illegible]YERS

ACME ANALYTICAL

Sultan Minerals PROJECT JERSEY FILE # 96-4941

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	Au** gm/t
G96-5 193.22-194.16	<1	4	73	78	.4	2	<1	113	.21	26	<5	<2	<2	142	.5	2	4	4	40.12	.007	2	1	.85	40	<.01	<3	.01	.01	.01	<2	<.01
G96-5 194.16-195.65	<1	3	41	60	<.3	5	<1	1544	.32	7	<5	<2	<2	225	.5	<2	<2	10	38.99	.010	1	2	2.63	25	<.01	<3	.02	.01	.01	<2	<.01
G96-5 195.65-196.62	1	7	42	97	<.3	3	<1	1770	.96	10	<5	<2	<2	199	.5	<2	5	14	41.22	.010	2	1	2.56	99	<.01	3	.02	.01	.01	<2	<.01
G96-5 196.62-198.44	1	4	33	86	.4	6	<1	2405	.40	7	<5	<2	<2	240	.6	3	<2	10	40.77	.018	2	1	4.76	36	<.01	3	.04	.01	.02	<2	<.01
G96-5 198.44-200.49	1	6	233	191	7.6	5	<1	14279	2.13	169	<5	<2	<2	396	1.5	16	49	26	27.25	.037	3	3	12.58	39	<.01	6	.08	.01	.04	<2	.03
G96-5 200.49-201.17	2	5	202	295	1.0	6	<1	3579	.83	71	<5	<2	<2	233	1.8	26	2	14	24.97	.011	3	2	14.68	18	<.01	4	.02	.01	<.01	<2	.02
RE G96-5 200.49-201.17	2	3	204	263	1.2	2	<1	3636	.85	48	7	<2	<2	234	1.4	23	6	14	25.76	.011	3	2	15.19	11	<.01	9	.02	.01	.01	<2	<.01
RRE G96-5 200.49-201.17	3	3	263	241	1.6	5	<1	4331	.94	81	<5	<2	<2	243	1.3	26	9	15	25.94	.012	3	2	15.35	4	<.01	5	.02	.01	.01	<2	.01
G96-5 201.17-203.04	2	11	173	1096	.7	5	<1	5092	1.61	713	<5	<2	<2	280	6.8	4	<2	23	27.13	.006	3	2	12.78	21	<.01	5	.08	.01	<.01	<2	.05
G96-5 203.04-204.89	2	5	64	233	<.3	3	<1	1604	.78	18	<5	<2	<2	464	1.4	3	<2	24	28.57	.005	2	2	13.11	55	<.01	<3	.03	.01	.01	<2	<.01
STANDARD C2/AU-1	20	62	42	149	7.6	77	38	1178	3.99	39	20	8	35	53	21.1	15	25	74	.55	.104	40	68	1.03	199	.08	30	2.10	.07	.15	12	3.22

Sample type: CORE. 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 ICP ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4941R

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

SAMPLE#	Ga %	Ge %
G96-5 170.70-171.70	.001	<.001
G96-5 171.70-172.70	.001	<.001
G96-5 174.70-175.70	<.001	<.001

GA BY MULTI-ACID DIGESTION, ICP FINISHED. GE BY HF DIGESTION, HYDRIDE ICP FINISHED.
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY. C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 D. __ FA ____

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

WHOLE ROCK ICP-MS ANALYSIS

Sultan Minerals PROJECT JERSEY File # 96-4941R

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

SAMPLE#	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
G96-5 170.70-171.70	2.1	26.7	5.2	4.0	<.5	<.5	.2	<.1	<.2	<.8	<.3	6.7	.2	.5	9.2
G96-5 171.70-172.70	.8	54.7	8.5	8.3	<.5	<.5	1.3	<.1	<.2	<.8	<.3	16.1	1.2	.8	22.0
G96-5 174.70-175.70	4.7	30.2	5.2	5.0	<.5	<.5	.3	<.1	<.2	<.8	<.3	5.4	.2	.8	9.3

.200 GRAM SAMPLE FUSED WITH 1.2 GM LIBO2 AND IS DISSOLVED AND DILUTED TO 100 ML WITH 5% HNO3. RARE EARTH ELEMENTS PRE-CONCENTRATED AND SEPARATED FROM MAJOR ELEMENTS, ANALYSED BY ICP -
- SAMPLE TYPE: CORE PULP

DATE RECEIVED: DEC 4 1996 DATE REPORT MAILED: Dec 23/96 SIGNED BY C. L........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

 D. JC FA ___

14.0 APPENDIX F

BLACK LIGHT REPORT ON 1996 DRILL HOLES

Black Light Report

Jersey Drill Holes

UG 96-1	G 96-1	Z 96-2
UG 96-2	G 96-2	Z 96-3
UG 96-3	G 96-3	Z 96-4
	G 96-4	Z 96-5
	G 96-5	

Observed Fluorescence in the Ultraviolet Light

Short Wave

whitish-blue	-scheelite
yellow	-powellite
green	-possibly opal, willemite, or chalcedony
red	-calcite

Long Wave

Nothing noticeable was detected on the long-wave wavelength band.

Observations

UG 96-1

Box	Row(s)	Depth	Observations
1	1	0-1.45	25 scheelite specs
	2	1.45-2.90	nothing
	3	2.90-4.34	massive scheelite (possibly 300 specs)
	4	4.34-5.11	massive scheelite (possibly 150 specs)
	4	5.11-5.79	nothing
	5	5.79-7.24	massive scheelite (250), some powellite (75), 5 cm patch of red at 6.19
2	1	7.24-8.69	nothing
	2	8.69-10.13	massive powellite (200), 10 scheelite specs
	3,4	10.13-13.02	35 scheelite specs
	5	13.02-14.47	50 scheelite, 50 powellite
3	1,2	14.47-17.57	100 powellite, 40 scheelite
	3	17.57-19.13	nothing
	4	19.13-20.68	200 powellite, 150 scheelite
	5	20.68-22.23	20 powellite, 20 scheelite

Box	Row(s)	Depth	Observations
4	1-3	22.23-26.45	20 powellite
	4	26.45-27.85	lots of light red, some green at end
	5	27.85-29.26	50 powellite, 30 scheelite
5	1	29.26-30.72	1 faded red vein on 3rd piece, some green for 25 cm
	2	30.72-30.94	some faded red streaks
	2	30.94-32.18	lots of green and some blue
	3,4	32.18-35.10	massive green, some blue
	4	33.64-35.10	some faded red was showing up in the white rock
	5	35.10-35.66	massive green and some faded red

UG 96-2

1	1,2	0-2.98	more faded red, some green, 10 blue specs
	3	2.98-4.48	medium amounts of green and massive blue over 50 cm
	4	4.48-5.97	massive blue 1st 10 cm
	5	5.97-7.46	30 blue specs and 1 patch of green
2	1	7.46-7.92	some blue and green 1st 50 cm
	2	9.06-10.67	massive green, some blue, some red near the end
	5	13.88-15.48	some green
3	1,2	15.48-18.39	some green and a little blue
	4	20.65	2 good red patches
	5	21.30-22.76	some yellow
4	1-3	22.76-27.12	nearly massive yellow

UG 96-3

1	2	1.53-3.06	massive blue for 5 cm
	3	3.06-4.58	near massive blue (100-125)
	5	6.11-7.24	near massive to massive (200-250 specs)
3	1	15.42	good red veins
4	1-4	22.04-27.81	light to medium amounts of green veins

Z 96-2

Box	Row(s)	Depth	Observations
30	1-4	167.99-173.49	light amounts of green throughout
32	1-4	179.28-185.11	some green, 2 big yellow patches, 50 cm of blue veins
33	1-4	185.11-190.82	2 big green patches
34	1-4	190.82-196.60	small amounts of blue, green, and yellow
35	1	196.60-198.06	small amounts of blue veins
	2	198.06-199.52	massive green 1st 10 cm
	3	199.52-200.97	larger amounts of blue veins
	4	201.47	orange streaks with pink dots, glowed in the dark long after light was off
36	1-4	202.43-208.13	light amounts of blue, yellow and green
37	1-2	208.13-211.05	light amounts of blue, green, and yellow
	3	211.05-211.35	100 blue and 50 yellow
38	1-3	213.97-218.13	small amounts of blue and 1 good green patch
39	1-4	219.52-225.41	medium amounts of blue and light amounts of green
44	1		large amounts of blue

Z 96-3

15	all	79.80-	very small amounts of blue
16	all		
17	all	-97.60	

Z 96-4

20	3,4	112.41-115.26	60 blue specs
21	1-4	115.26-121.23	50 blue specs
23	3	131.21	2 small red patches
24	4	137.49-138.91	25 yellow, 5 cm of white veins
25	all	138.91-	very small amounts of blue
26	all		
27	all	-153.34	

G 96-1

Box	Row(s)	Depth	Observations
6	all	30.62-36.03	40 blue specs

G 96-2

Box	Row(s)	Depth	Observations
9	all	48.07-55.35	very small amounts of green
10	all	55.35-62.40	2 small red veins, small to medium amounts of green

G 96-3, G96-4, and G 96-5

Very light amounts of blue were detected throughout.

BLACK LIGHT REPORT FOR Z96-5

INTERVAL

:OM	TO	BOX(ES)	ROW(S)	OBSERVATION
3.50	7.00	1	3,4	LOW AMOUNTS OF FADED BLUE AND GREEN
7.00	13.78	2	ALL	MEDIUM AMOUNTS OF FADED B,Y,AND G
13.78	20.54	3	ALL	LOW TO MEDIUM AMOUNTS OF FADED B,Y, AND G
20.54	26.35	4	ALL	L AM OF FADED B,Y, AND G
32.31	38.27	6	ALL	MEDIUM AMOUNT OF BLUE SPECS
	37.50	6	4	5 CM FADED RED PATCH
41.23	44.23	7	3,4	FADED GREEN PATCHES AND A
				MEDIUM AMOUNT OF BLUE SPECS
50.20	51.70	9	1	20 CM OF GREEN AND BLUE
58.93	61.83	10	3	2 LARGE SIZED BLUE STREAKS
64.72	67.62	11	3,4	SMALL AMOUNTS OF B SPECS
67.62	73.28	12	ALL	SMALL AMOUNTS OF B AND Y SPECS
73.28	77.68	13	1,2,3	MASSIVE AMOUNTS OF BLUE, NOT QUITE AS FLOURESCENT OR "SPEC"
				LIKE AS THE SCHEELITE OBSERVED IN THE UNDERGROUND HOLES, THIS
				BLUE WAS MORE BLOTCHY AND NOT QUITE AS BRIGHT
79.14	80.59	14	1	MEDIUM AMOUNTS OF BLUE SPECS
84.73	90.52	15	ALL	NEAR MASSIVE AMOUNTS OF BLUE
90.52	96.16	16	ALL	CLOSE TO NOTHING
101.94	107.81	18	ALL	3 BLUE SPECS
113.28	119.27	20	ALL	A VERY SMALL AMOUNT OF BLUE SPECS
119.27	182.58	21 TO 32	ALL	NOTHING OBSERVED

15.0 APPENDIX G

PETROGRAPHIC STUDY REPORTS

Report # 960556 for:

Sperlin Edwards,
Sultan Minerals Inc.,
1610 - 777 Dunsmuir Street
Vancouver, B.C.

September 1996

Samples: 38.10, 44.68, 79.64

Summary:

The samples are from the same geological unit, a carbonaceous quartz-tremolite-(biotite) schist that was deformed slightly to strongly. Some tremolite is porphyroblastic. All samples contain coarser grained recrystallized lenses and patches dominated by quartz and/or tremolite with minor to moderately abundant disseminated sulfides dominated by pyrrhotite with minor sphalerite, chalcopyrite, and locally marcasite. These lenses probably were formed during metamorphism and deformation. Minor late veinlets are of calcite.

Sample 38.10 is a well foliated schist dominated by quartz with moderately abundant carbonaceous opaque and tremolite/actinolite, and minor pyrrhotite. A recrystallized lens up to 5 mm across and a few much smaller ones parallel to foliation are dominated by quartz with lesser pyrrhotite and tremolite, and minor marcasite, chalcopyrite, and sphalerite. A few, subparallel veinlets of calcite cut the foliation at about 60°.

Sample 44.68 is an extremely fine grained schist dominated by quartz with moderately abundant tremolite (commonly porphyroblastic) and seams and lenses of carbonaceous opaque, and minor pyrrhotite. In quartz-rich parts of the sample, carbonaceous seams are concentrated moderately along a secondary foliation which is axial planar to warps in the quartz-rich patches between them. Coarser grained lenses and patches of metamorphic origin are dominated by tremolite with lesser quartz and moderately abundant sulfides, dominated by pyrrhotite with lesser sphalerite and minor chalcopyrite.

Sample 79.64 is a carbonaceous quartz-tremolite-biotite schist that was deformed mode[illegible] strongly. Disseminated sulfides are mainly pyrrhotite with minor sphalerite and chalcopyrite. In [illegible] tremolite and biotite occur in different parts of the section. Abundant, coarser grained, recrystalliz[illegible] [illegible]ses and patches are dominated by quartz or tremolite, with minor to abundant pyrrhotite and minor chalcopy[illegible] and sphalerite.

John G. Payne, PhD.,
Tel: (604)-986-2928
Fax: (604) 983-3318

Sample 38.10 Carbonaceous Quartz-(Tremolite) Schist; Recrystallized Lenses: Quartz-Pyrrhotite-Tremolite/Actinolite-(Marcasite-Chalcopyrite-Sphalerite); Calcite Veinlets

The rock is a well foliated schist dominated by quartz with moderately abundant carbonaceous opaque and tremolite, and minor pyrrhotite. A recrystallized lens up to 5 mm across and a few much smaller ones parallel to foliation are dominated by quartz with lesser pyrrhotite and tremolite/actinolite, and minor marcasite, chalcopyrite, and sphalerite. A few, subparallel veinlets of calcite cut the foliation at about 60°.

quartz	70-75%	recrystallized lenses	
carbonaceous opaque	5- 7	quartz	8-10
tremolite/actinolite	3- 4	pyrrhotite	3- 4
pyrrhotite	0.3	tremolite/actinolite	3- 4
chlorite	0.1	marcasite	0.2
Ti-oxide	0.1	sericite/muscovite	0.1
sericite	minor	chalcopyrite	0.1
graphite	trace	sphalerite	minor
veinlets			
calcite	trace		

Quartz forms slightly interlocking grains averaging 0.01-0.03 mm in size intergrown with moderately abundant wispy seams and lenses of cryptocrystalline carbonaceous opaque, and slightly coarser grained patches and lenses averaging 0.03-0.07 mm in grain size which are relatively free of carbonaceous material. In the intergrowths with carbonaceous opaque, quartz textures are obscured strongly. Some seams of carbonaceous opaque include minor to moderately abundant, disseminated flakes of graphite averaging 2 microns in length.

Tremolite forms disseminated porphyroblasts averaging 0.5-1.5 mm in size, in part parallel to foliation and in part at a high angle to foliation. Grains are very pale green in colour with no obvious pleochroism. Some contain moderately abundant relic inclusions of carbonaceous opaque, which retain the metamorphic texture of the host rock. Several lenses up to 2 mm long parallel to foliation consist of interlocking, subpara. tremolite-actinolite grains averaging 0.1-0.3 mm long.

Pyrrhotite forms disseminated grains averaging 0.02-0.05 mm in size and a few lenses up to 0.15 mm long parallel to foliation.

Sericite is concentrated moderately in a few seams parallel to foliation as flakes averaging 0.02-0.03 mm in size.

Chlorite forms a few clusters of flakes averaging 0.05-0.08 mm long.

Ti-oxide(?) forms disseminated patches averaging 0.03-0.05 mm in size of grains averaging 0.02-0.03 mm in size. These are concentrated in seams of carbonaceous opaque, and optical properties are obscured.

Coarser grained lenses, probably of metamorphic origin are dominated by quartz with less abundant pyrrhotite and tremolite/actinolite, and minor sphalerite. Quartz forms grains averaging 0.2-0.5 mm in size. Tremolite forms subhedral, prismatic grains averaging 0.2-0.5 mm long, with a few up to 1 mm long. Some are porphyroblastic in character.

Pyrrhotite forms grains averaging 0.1-0.3 mm in size, in part intergrown intimately with silicates. Chalcopyrite forms irregular patches averaging 0.05-0.1 mm in size intergrown intimately with silicates or pyrrhotite. Sphalerite forms a few grains averaging 0.1-0.15 mm in size and on 0.4 mm across; it has a medium reddish orange-brown colour.

Marcasite forms a few patches up to 0.3 mm across of extremely fine to very fine grains in two major orientations; it is intergrown coarsely with pyrrhotite, and may be secondary after it.

Sericite/muscovite forms a few patches and lenses of flakes averaging 0.02-0.03 mm in size, with a few from 0.05-0.1 mm long.

A few, subparallel, wispy veinlets averaging 0.007-0.01 mm wide of cryptocrystalline carbonate cut the foliation at about 60°

Sample 44.68 Carbonaceous Quartz-Tremolite Schist; Lenses of Coarser Grained Tremolite-Quartz-Pyrrhotite

The sample is an extremely fine grained schist dominated by quartz with moderately abundant tremolite (commonly porphyroblastic) and seams and lenses of carbonaceous opaque, and minor pyrrhotite. In quartz-rich parts of the sample, carbonaceous seams are concentrated moderately along a secondary foliation which is axial planar to warps in the quartz-rich patches between them. Coarser grained lenses and patches of metamorphic origin are dominated by tremolite with lesser quartz and moderately abundant sulfides, dominated by pyrrhotite with lesser sphalerite and minor chalcopyrite.

quartz	65-70%	recrystallized lenses, patches	
tremolite	8-10	tremolite	12-15
carbonaceous opaque	4- 5	quartz	5- 7
pyrrhotite	0.5	pyrrhotite	2- 3
Ti-oxide	0.1	sphalerite	0.5
chalcopyrite	minor	chalcopyrite	0.1
sphalerite	minor		
sericite	trace		
hornblende(?)	trace		

Quartz forms anhedral grains averaging 0.02-0.07 mm in size. In part of the rock, quartz-rich lenses are intergrown with carbonaceous opaque-rich seams averaging 0.05-0.1 mm wide; the rock has a weak to moderate foliation which was kinked tightly. Carbonaceous opaque was recrystallized slightly to moderately to form seams along the axial planes of these kinks.

Tremolite forms anhedral grains averaging 0.1-0.5 mm in size, and a few up to 0.8 mm long. It is colourless to very pale green. Some grains are porphyroblasts which cut across the foliation and contain rel[illegible] carbonaceous opaque seams which are continuous from the groundmass through the porphyroblasts. A few anhedral amphibole(?) grains averaging 0.03-0.1 mm in size are pleochroic from pale to light or mediu[illegible] reddish brown; these probably are hornblende.

Pyrrhotite forms disseminated grains averaging 0.03-0.1 mm in size and a few up to 0.2 mm long. Chalcopyrite forms disseminated grains averaging 0.02-0.05 mm in size. Sphalerite forms disseminated equant grains averaging 0.05-0.07 mm in size; it is medium reddish brown in colour.

Ti-oxide forms disseminated grains averaging 0.01-0.03 mm in size, mainly intergrown with carbonaceous opaque.

Sericite occurs in a few quartz-rich patches as minor disseminated flakes averaging 0.01-0.02 mm in size.

Recrystallized lenses and patches up to a few mm across are dominated by tremolite and lesser quartz, with moderately abundant disseminated sulfides as disseminated grains and a few coarser patches. Tremolite is concentrated strongly in a few lenses as anhedral grains averaging 0.3-1 mm in size. One patch 0.6 mm across consists of an aggregate of extremely fine grained tremolite or clinozoisite with moderately abundant, extremely fine grained, disseminated pyrrhotite.

Quartz forms patches up to 0.5 mm in size of interlocking grains averaging 0.05-0.2 mm in size. One quartz-rich patch 0.8 mm across has a subhedral outline suggesting that it may have formed by replacement of a plagioclase megacryst. Quartz grains in this patch average 0.1-0.2 mm in size and have submosaic outlines.

A few pyrrhotite-rich patches from 0.8-1.5 mm across consist of slightly interlocking to granular grains averaging 0.2-0.3 mm in size with minor interstitial tremolite.

Sphalerite forms grains averaging 0.03-0.08 mm in size and a few from 0.1-0.2 mm in size commonly interstitial to tremolite or intergrown with pyrrhotite and quartz. It is concentrated strongly in one tremolite-rich lens as an elongate patch 1.5 mm long of grains up to 0.5 mm across intergrown with less abundant pyrrhotite and subhedral tremolite.

Chalcopyrite forms disseminated grains averaging 0.02-0.05 mm in size, commonly associated with pyrrhotite.

Sample 79.64 **Deformed, Carbonaceous Quartz-Tremolite-Biotite Schist; Metamorphic Patches of Quartz-Tremolite-(Pyrrhotite)**

The sample is a carbonaceous quartz-tremolite-biotite schist that was deformed moderately to strongly. Disseminated sulfides are mainly pyrrhotite with minor sphalerite and chalcopyrite. In general, tremolite and biotite occur in different parts of the section. Abundant, coarser grained, recrystallized lenses and patches are dominated by quartz or tremolite, with minor to abundant pyrrhotite and minor chalcopyrite and sphalerite.

quartz	40-45%	sphalerite	minor
carbonaceous opaque	7- 8	chalcopyrite	trace
tremolite	4- 5	sphene	trace
biotite	2- 3	allanite	trace
pyrrhotite	0.5		
recrystallized patches			
quartz	30-35	chalcopyrite	minor
tremolite	5- 7	sphalerite	trace
pyrrhotite	1	calcite	trace

Quartz is concentrated in patches as aggregates of equant grains averaging 0.03-0.1 mm in size. These contain minor to moderately abundant, wispy seams of carbonaceous opaque averaging 0.01-0.03 mm wide.

Carbonaceous opaque is concentrated in lenses and patches raging widely in size up to 1 mm wide. It generally is intergrown with minor to moderately abundant, extremely fine grained biotite/sericite or less commonly with cryptocrystalline to extremely fine grained quartz. Pleochroism of this mica is from colourless to pale brown. Carbonaceous lenses are warped tightly and are intergrown with coarser grained, recrystallized lenses dominated by quartz.

Tremolite forms disseminated grains and clusters of grains averaging 0.1-0.3 mm in size and a few ragged, porphyroblastic grains up to 0.8 mm long. Tremolite in the groundmass grades texturally into that in the coarser grained patches.

Biotite is concentrated in a few patches and seams as flakes averaging 0.05-0.1 mm in size. Pleochroism is from nearly colourless to light brown. Finer grained biotite is intergrown intimately with carbonaceous-opaque-rich lenses.

Pyrrhotite forms disseminated patches averaging 0.05-0.1 mm in size and a few up to 0.2 mm across. Chalcopyrite forms disseminated grains averaging 0.03-0.05 mm in size and a few up to 0.1 mm across. Sphalerite forms disseminated grains averaging 0.02-0.05 mm in size and one grain 0.3 mm across.

Sphene forms disseminated grains averaging 0.03-0.05 mm in size.

Allanite forms a few anhedral patches from 0.03-0.05 mm across; one contains an inclusion 0.01 mm across of ilmenite. Allanite is pleochroic from pale to medium reddish brown.

Recrystallized patches and lenses range from 0.5-5 mm in size. Larger ones commonly are dominated by quartz, which forms anhedral grains averaging 0.1-0.5 mm in size. Tremolite forms prismatic grains averaging 0.2-0.5 mm in size and a few grains from 0.8-1.2 mm in size. Tremolite occurs in patches averaging 0.5-1.5 mm in size, and commonly contains interstitial pyrrhotite.

Tremolite forms clusters of subhedral to ragged porphyroblastic grains averaging 0.3-0.5 mm in length, commonly intergrown with interstitial patches of sulfides.

Pyrrhotite forms disseminated patches averaging 0.1-0.3 mm in size and a few patches up to 1 mm long of grains averaging 0.3-0.5 mm in size. Chalcopyrite forms grains averaging 0.03-0.05 mm in size, mainly associated with pyrrhotite. Sphalerite forms disseminated grains averaging 0.05-0.1 mm in size; it has a medium reddish brown colour.

Calcite forms a few clusters of anhedral grains averaging 0.02-0.05 mm in size intergrown with quartz.

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 · FAX (604) 888-3642

Report # 960672 for.

Sperlin Edwards,
Sultan Minerals Ltd.
1610 - 777 Dunsmuir Street
Vancouver, B.C.

October 1996

Samples: **Z-2 168.7 m, Z-2 201.4 m**

Summary:

Sample Z-2 168.7 m is a medium to coarse grained banded skarn. Much of the sample is dominated by massive tremolite with much less abundant disseminated diopside and moderately abundant K-feldspar concentrated in irregular patches. A band 1 cm wide at one end contains idocrase and garnet with interstitial patches of calcite, quartz, and diopside. The contact between these zones is gradational. Bordering one K-feldspar-rich patch is an envelope of strongly altered tremolite(?). Early, commonly irregular veinlets are of carbonate. A late veinlet is of calcite-tremolite.

Sample Z-2 201.4 m is a finely banded skarn with bands dominated by one or more of tremolite, diopside, and K-feldspar in widely varying proportions. One irregular band up to several mm wide is of tremolite-K-feldspar, contacts with adjacent bands are gradational.

John G. Payne

John G. Payne, PhD.,
Tel: (604)-986-2928
Fax: (604)-983-3318
e-mail: johnpayn@istar.ca

Sample Z-2 168.7 m Skarn: Tremolite-K-feldspar-(Diopside); Band of Idocrase-Garnet with Interstitial Calcite-Quartz-Diopside; Early Veinlets of Carbonate; Late Veinlet of Calcite-Tremolite

The sample is a medium to coarse grained banded skarn. Much of the sample is dominated by massive tremolite with much less abundant disseminated diopside and moderately abundant K-feldspar concentrated in irregular patches. A band 1 cm wide at one end contains idocrase and garnet with interstitial patches of calcite, quartz, and diopside. The contact between these zones is gradational. Bordering one K-feldspar-rich patch is an envelope of strongly altered tremolite(?). Early, commonly irregular veinlets are of carbonate. A late veinlet is of calcite-tremolite.

	main rock(67%)	idocrase-garnet band (25%)		
tremolite	56%	2%		
idocrase		15		
garnet		4		
calcite		2		
quartz		1		
diopside	3	1		
K-feldspar	8			
veinlets				
1) carbonate	1		2) calcite-tremolite	0.2

In the main band, tremolite forms anhedral to subhedral prismatic grains averaging 0.03-0.2 mm in length with a few patches of coarser grains, including several aggregates of subradiating to fibrous grains averaging 0.5-0.8 mm long. Bordering the idocrase-garnet band in a zone up to 3 mm wide, grain size averages 0.2-0.5 mm in size.

Diopside forms disseminated anhedral, mainly equant grains averaging 0.05-0.2 mm in size with a few up to 0.4 mm across near the idocrase-garnet band. Further away it forms ragged grains averaging 0.05-0.2 mm in size.

K-feldspar is concentrated in interstitial patches up to 1.7 mm across, which are concentrated near one end of the section (see stained offcut block for K-feldspar distribution). Grains range from 0.3-1 mm in size and have slightly to moderately strained extinction. Some of these contain 2-3%, unoriented acicular grains of tremolite from 0.1-0.3 mm long. One contains minor ragged patches up to 0.3 mm across of cryptocrystalline calcite. The largest patch a few mm across is bordered by an irregular envelope up to a few mm wide in which fine to medium grained tremolite(?) was altered intensely to a cryptocrystalline material of high relief (possibly clinozoisite?).

In the idocrase-garnet band, idocrase forms subhedral, prismatic grains averaging 1-2 mm long.

Garnet forms isotropic or nearly isotropic cubic grains up to 1.5 mm across. Broad cores have a delicate growth zoned structure. Many grains have a distinctive border zone 0.03-0.05 mm wide. Some grains contain minor to locally moderately abundant, ragged patches of dusty to extremely fine grained opaque grains averaging 0.02-0.05 mm in size.

Interstitial to garnet are patches dominated by tremolite and calcite with lesser diopside and quartz. Tremolite forms prismatic to acicular grains, commonly in parallel aggregates up to 2.5 mm long. Calcite forms irregular, interstitial grains up to 2 mm in size. Quartz forms interstitial grains up to 1.5 mm in size. Diopside forms disseminated, subhedral equant to prismatic grains averaging 0.1-0.3 mm in size, mainly enclosed in quartz or calcite.

A few early, veinlets averaging 0.05-0.25 mm wide are of very fine grained carbonate.

A late veinlet 0.2 mm wide is dominated by patches of very fine grained calcite and others of very fine grained tremolite.

Sample Z-2 201.4 m **Finely Banded Skarn: Tremolite-Diopside-K-feldspar; Coarse band Tremolite-K-feldspar.**

The sample is a finely banded skarn with bands dominated by one or more of tremolite, diopside, and K-feldspar in widely varying proportions. One irregular band up to several mm wide is of tremolite-K-feldspar; contacts with adjacent bands are gradational.

tremolite	30-35%
diopside	30-35
K-feldspar	15-17
epidote	0.1
sphene	minor
wider band	
tremolite	15-17
K-feldspar	2- 3
diopside	0.1

Tremolite-rich bands consist of randomly oriented, anhedral, fibrous, and subradiating aggregates of grains, mainly from 0.02-0.1 mm in size, with a few up to 0.3 mm long. In these diopside forms disseminated, anhedral, commonly ragged grains averaging 0.1-0.4 mm across.

A few bands are of fine to medium grained tremolite and diopside, with textures similar to the above bands. In the coarsest of these, tremolite forms subradiating aggregates of grains averaging 0.5-0.8 mm in length

In diopside-rich bands up to 0.7 mm wide, diopside forms intergrowths of anhedral, irregular grains averaging 0.3-0.7 mm in size, with a few up to 1.7 mm long. Most grains are elongated parallel to foliation. Many larger grains are poikilitic, with abundant tiny inclusions of K-feldspar. K-feldspar forms minor, very fine grained, interstitial patches. These bands grade into diopside-K-feldspar-rich bands with similar textures but with moderately abundant to abundant interstitial, very fine to fine grained K-feldspar

K-feldspar-rich bands up to 1.5 mm wide are dominated by equant grains averaging 0.05-0.1 mm in size, with a few up to 0.15 mm across. Diopside forms disseminated, ragged grains averaging 0.2-0.7 mm in size. Sphene forms disseminated grains averaging 0.02-0.03 mm in size

Some bands consist of fine grained intergrowths of all three minerals, with subradiating to fibrous clusters of tremolite and ragged grains of diopside with minor to abundant interstitial K-feldspar.

One band 0.5-0.7 mm wide contains moderately abundant disseminated patches averaging 0.02-0.03 mm in size of cryptocrystalline epidote(?) and minor disseminated flakes of sericite.

The large white band (in hand sample) is dominated by fine to medium grained, subradiating to fibrous to prismatic aggregates of tremolite. K-feldspar forms moderately abundant disseminated grains averaging 0.5-1.7 mm in size; these contain 1-5% acicular inclusions of tremolite mainly from 0.05-0.5 mm long. One K-feldspar grain 3.5 mm long and a few smaller ones are relatively free of these inclusions. Diopside forms a few anhedral grains and clusters of grains averaging 0.1-0.15 mm in size.

Report # 960672 for:

SpurlinEdwards,
Sultan Minerals Ltd.
1610 - 777 Dunsmuir Street,
Vancouver, B.C.

October 1996

Samples: Z-2 168.7 m, Z-2 201.4 m

Mineral Identification:

Tremolite and wollastonite are optically very similar. The major differences are that tremolite has a higher extinction angle (10-15°) as opposed to wollastonite (sub-parallel extinction), and tremolite fibers are length slow, whereas wollastonite can be both length-fast and length-slow. In the sections, extinction angles of elongate grains range from 0 to 15°, and all elongate grains are length-fast. Those with moderate extinction angles are tremolite; those with low extinction angles cannot be determined, because tremolite in certain orientations would also have a very low extinction angle. Fibrous grains probably are tremolite, as that habit is unusual for wollastonite. Many of the elongate prismatic grains with low extinction angle probably are wollastonite. These data suggest that tremolite is dominant and wollastonite moderately to much less abundant. However, the ratio of the two phases cannot be determined completely, partly because of the very fine grained nature of much of the sample.

The fluorescent mineral (bright yellowish green in short-wave ultra-violet light) is moderately to strongly altered plagioclase. The alteration is to cryptocrystalline material with moderate to high relief (probably clinozoisite/epidote), which obscures the optical properties of plagioclase. It is uncertain whether the alteration or the plagioclase is the source of the fluorescence.

Summary:

Sample Z-2 168.7 is a medium to coarse grained banded skarn. Much of the sample is dominated by massive tremolite with much less abundant disseminated diopside and moderately abundant K-feldspar concentrated in irregular patches. A band 1 cm wide at one end contains idocrase and garnet with interstitial patches of calcite, quartz, and diopside. The contact between these zones is gradational. Bordering one K-feldspar-rich patch is an envelope of strongly altered plagioclase or tremolite. Early, commonly irregular veinlets are of carbonate. A late veinlet is of calcite-tremolite. The fluorescent mineral is plagioclase which was altered moderately to strongly cryptocrystalline material with moderate to high relief (probably clinozoisite/epidote).

Sample Z-2 201.4 is a finely banded skarn with bands dominated by one or more of tremolite, diopside, and K-feldspar in widely varying proportions. One irregular band up to several mm wide is of tremolite-K-feldspar; contacts with adjacent bands are gradational.

John G. Payne, PhD.,
Tel: (604)-986-2928
Fax: (604)-983-3318
e-mail:johnpayn@istar.ca

Sample Z-2 168.7 Skarn: Tremolite/Wollastonite-K-feldspar-(Diopside-Plagioclase); Band of Idocrase-Garnet with Interstitial Calcite-Quartz-Diopside; Early Veinlets of Carbonate; Late Veinlet of Calcite-Tremolite

The sample is a medium to coarse grained banded skarn. Much of the sample is dominated by massive tremolite/wollastonite with much less abundant disseminated diopside and moderately abundant K-feldspar concentrated in irregular patches. A band 1 cm wide at one end contains idocrase and garnet with interstitial patches of calcite, quartz, and diopside. The contact between these zones is gradational. Bordering one K-feldspar-rich patch is an envelope of strongly altered material, possibly clinozoisite after plagioclase. Early, commonly irregular veinlets are of carbonate. A late veinlet is of calcite-tremolite. A second thin section contains a patch of fluorescent plagioclase altered moderately to mainly cryptocrystalline clinozoisite/epidote(?).

	main rock(67%)	idocrase-garnet band (25%)		
tremolite/wollastonite	54%	2%		
idocrase		15		
garnet		4		
calcite		2		
quartz		1		
diopside	3	1		
K-feldspar	8			
plagioclase	2			
veinlets				
1) carbonate	1		2) calcite-tremolite/wollastonite	0.2

In the main band, tremolite/wollastonite forms anhedral to subhedral prismatic grains averaging 0.03-0.2 mm in length with a few patches of coarser grains, including several aggregates of subradiating to fibrous grains averaging 0.5-0.8 mm long. Bordering the idocrase-garnet band in a zone up to 3 mm wide, grain size averages 0.2-0.5 mm in size.

Diopside forms disseminated anhedral, mainly equant grains averaging 0.05-0.2 mm in size with a few up to 0.4 mm across near the idocrase-garnet band. Further away it forms ragged grains averaging 0.05-0.2 mm in size. .

K-feldspar is concentrated in interstitial patches up to 1.7 mm across, which are concentrated near one end of the section (see stained offcut block for K-feldspar distribution). Grains range from 0.3-1 mm in size and have slightly to moderately strained extinction. Some of these contain 2-3% unoriented acicular grains of wollastonite/tremolite from 0.1-0.3 mm long. One contains minor ragged patches up to 0.3 mm across of cryptocrystalline calcite. The largest patch a few mm across is bordered by an irregular envelope up to a few mm wide in which an unknown parent (possibly plagioclase) was altered intensely to a cryptocrystalline material of high relief (possibly clinozoisite). No fluorescent minerals were present in the first section. A second section was made of an area of strong yellow-green fluorescence in short-wave ultra-violet light. The fluorescent mineral is moderately to strongly altered plagioclase, which forms a cluster up to a few mm across of grains averaging 0.5-1.2 mm in size. Alteration is moderate to cryptocrystalline material with moderate to high relief (probably clinozoisite/epidote), which obscures the optical properties of plagioclase. It is uncertain whether the alteration or the plagioclase is the source of the fluorescence.

(continued)

Sample Z-2 168.7 m (page 2)

In the idocrase-garnet band, idocrase forms subhedral, prismatic grains averaging 1-2 mm long.

Garnet forms isotropic or nearly isotropic cubic grains up to 1.5 mm across. Broad cores have a delicate growth zoned structure. Many grains have a distinctive border zone 0.03-0.05 mm wide. Some grains contain minor to locally moderately abundant, ragged patches of dusty to extremely fine grained opaque grains averaging 0.02-0.05 mm in size.

Interstitial to garnet are patches dominated by tremolite/wollastonite and calcite with lesser diopside and quartz. Tremolite/wollastonite forms prismatic to acicular grains, commonly in parallel aggregates up to 2.5 mm long. Calcite forms irregular, interstitial grains up to 2 mm in size. Quartz forms interstitial grains up to 1.5 mm in size. Diopside forms disseminated, subhedral equant to prismatic grains averaging 0.1-0.3 mm in size, mainly enclosed in quartz or calcite.

A few early, veinlets averaging 0.05-0.25 mm wide are of very fine grained carbonate.

A late veinlet 0.2 mm wide is dominated by patches of very fine grained calcite and others of very fine grained tremolite/wollastonite.

Sample Z-2 201.4 m **Finely Banded Skarn: Tremolite/Wollastonite-Diopside-K-feldsp Course band Tremolite/Wollastonite-K-feldspar.**

The sample is a finely banded skarn with bands dominated by one or more of tremolite/wollastonite, diopside, and K-feldspar in widely varying proportions. One irregular band up to several mm wide is of tremolite/wollastonite-K-feldspar; contacts with adjacent bands are gradational.

tremolite/wollastonite	30-35%
diopside	30-35
K-feldspar	15-17
epidote	0.1
sphene	minor
wider band	
tremolite/wollastonite	15-17
K-feldspar	2- 3
diopside	0.1

Tremolite/wollastonite-rich bands consist of randomly oriented, anhedral, fibrous, and subradiating aggregates of grains, mainly from 0.02-0.1 mm in size, with a few up to 0.3 mm long. In these diopside forms disseminated, anhedral, commonly ragged grains averaging 0.1-0.4 mm across.

A few bands are of fine to medium grained tremolite/wollastonite and diopside, with textures similar to the above bands. In the coarsest of these, tremolite/wollastonite forms subradiating aggregates of grains averaging 0.5-0.8 mm in length.

In diopside-rich bands up to 0.7 mm wide, diopside forms intergrowths of anhedral, irregular grains averaging 0.3-0.7 mm in size, with a few up to 1.7 mm long. Most grains are elongated parallel to foliation. Many larger grains are poikilitic, with abundant tiny inclusions of K-feldspar. K-feldspar forms minor, very fine grained, interstitial patches. These bands grade into diopside-K-feldspar-rich bands with similar textures but with moderately abundant to abundant interstitial, very fine to fine grained K-feldspar.

K-feldspar-rich bands up to 1.5 mm wide are dominated by equant grains averaging 0.05-0.1 mm in size, with a few up to 0.15 mm across. Diopside forms disseminated, ragged grains averaging 0.2-0.7 mm in size. Sphene forms disseminated grains averaging 0.02-0.03 mm in size.

Some bands consist of fine grained intergrowths of all three major minerals, with subradiating to fibrous clusters of tremolite/wollastonite and ragged grains of diopside with minor to abundant interstitial K-feldspar.

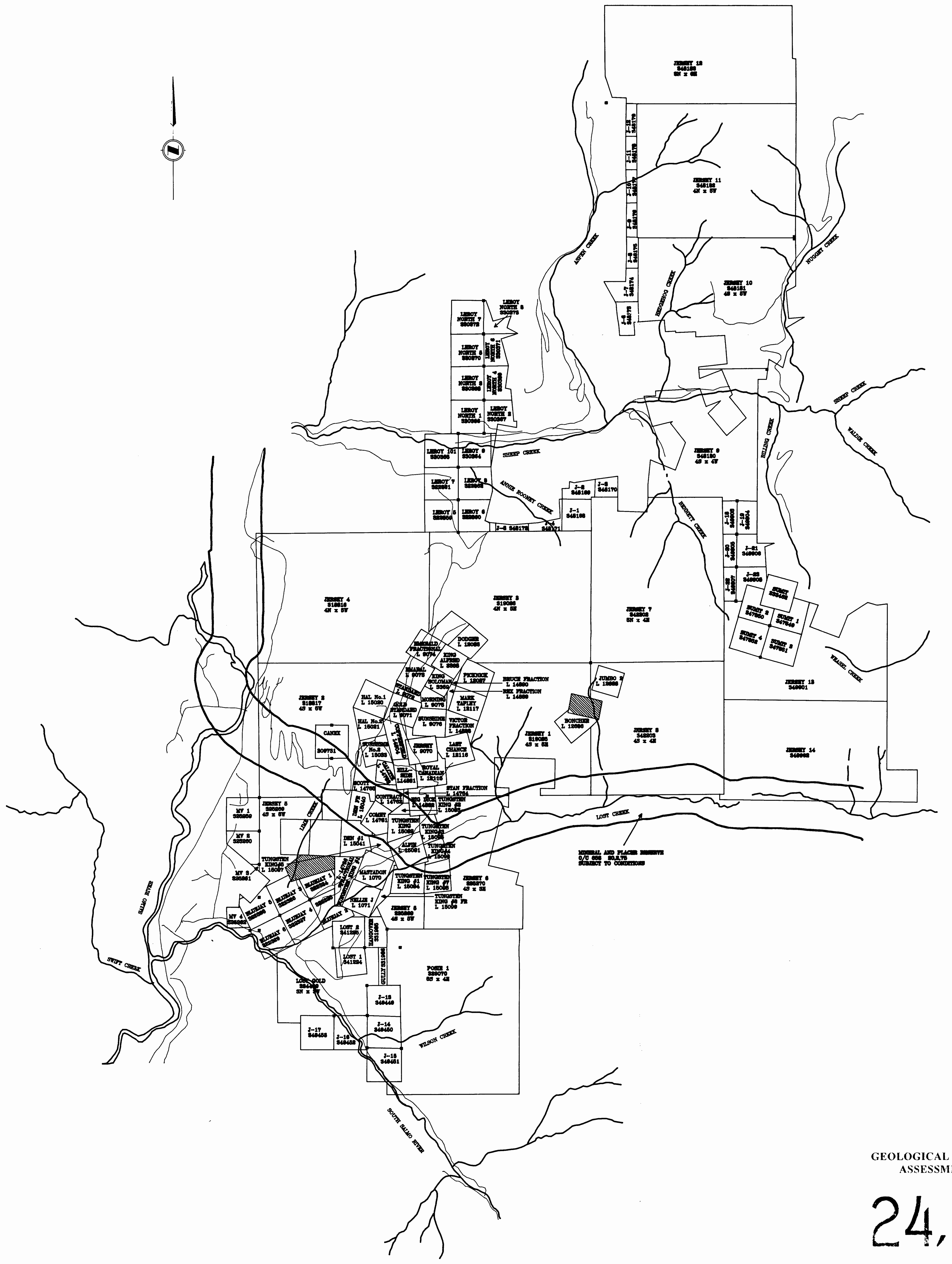
One band 0.5-0.7 mm wide contains moderately abundant disseminated patches averaging 0.02-0.03 mm in size of cryptocrystalline epidote(?) and minor disseminated flakes of sericite.

The large white band (in hand sample) is dominated by fine to medium grained, subradiating to fibrous to prismatic aggregates of tremolite/wollastonite. K-feldspar forms moderately abundant disseminated grains averaging 0.5-1.7 mm in size; these contain 1-5% acicular inclusions of tremolite/wollastonite mainly from 0.05-0.5 mm long. One K-feldspar grain 3.5 mm long and a few smaller ones are relatively free of these inclusions. Diopside forms a few anhedral grains and clusters of grains averaging 0.1-0.15 mm in size.

SULTAN MINERALS INC.
JERSEY PROJECT
1996

VOL. 2 OF 3

24910
PART 2 of 3



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

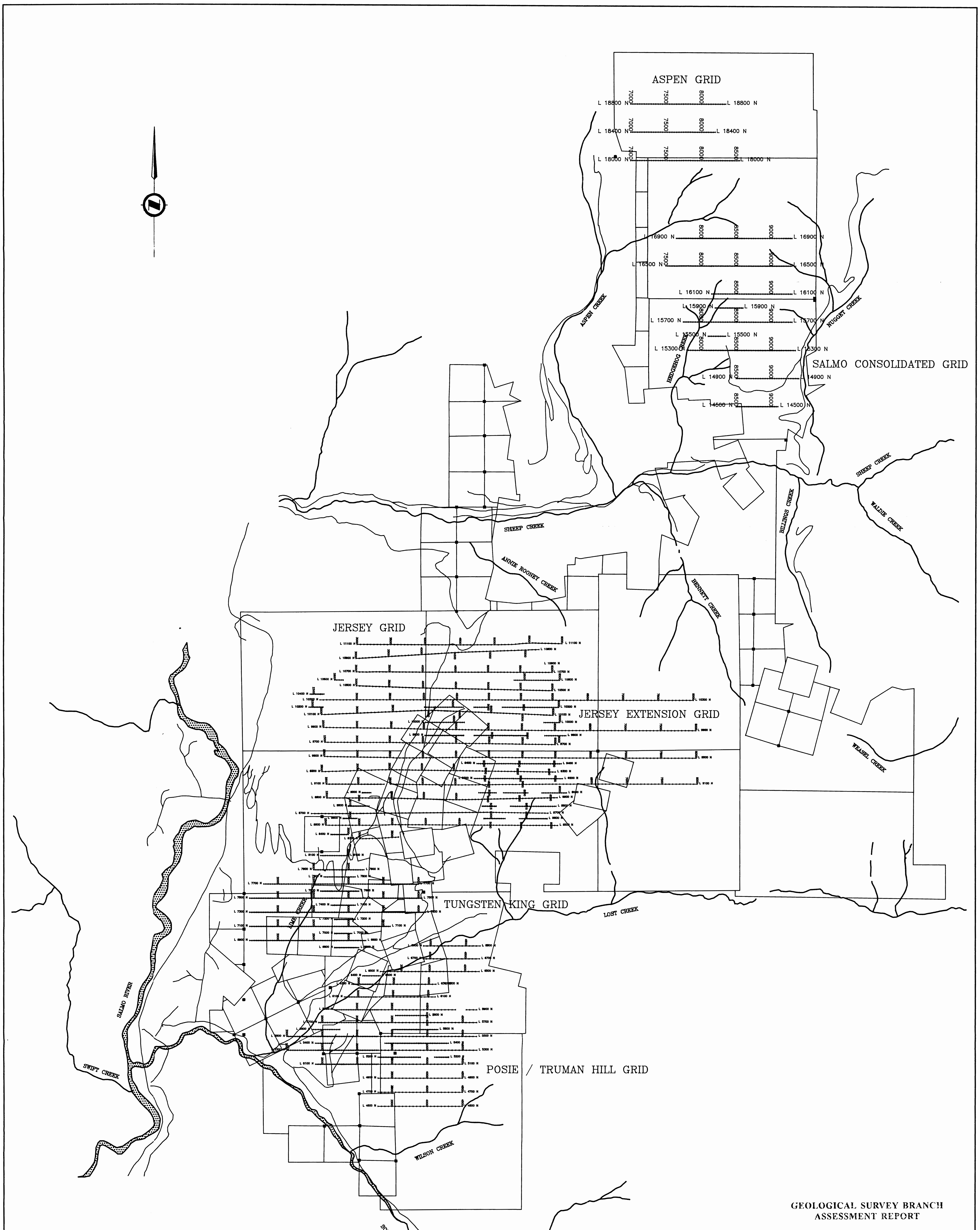
JERSEY PROJECT

NELSON MINING DIVISION

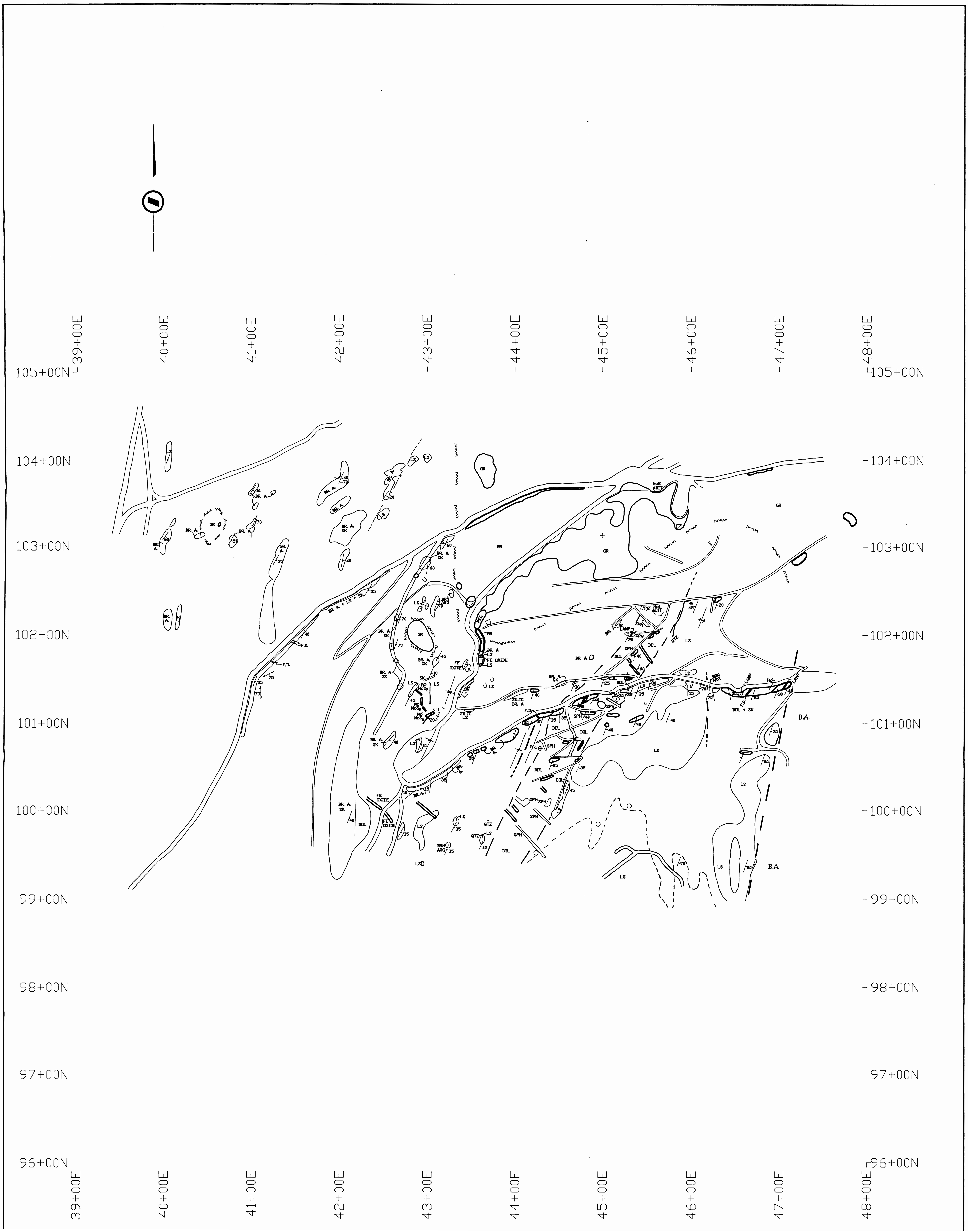
CLAIM MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 2
DATE: JANUARY 17, 1997
SCALE = 1 : 31 680



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

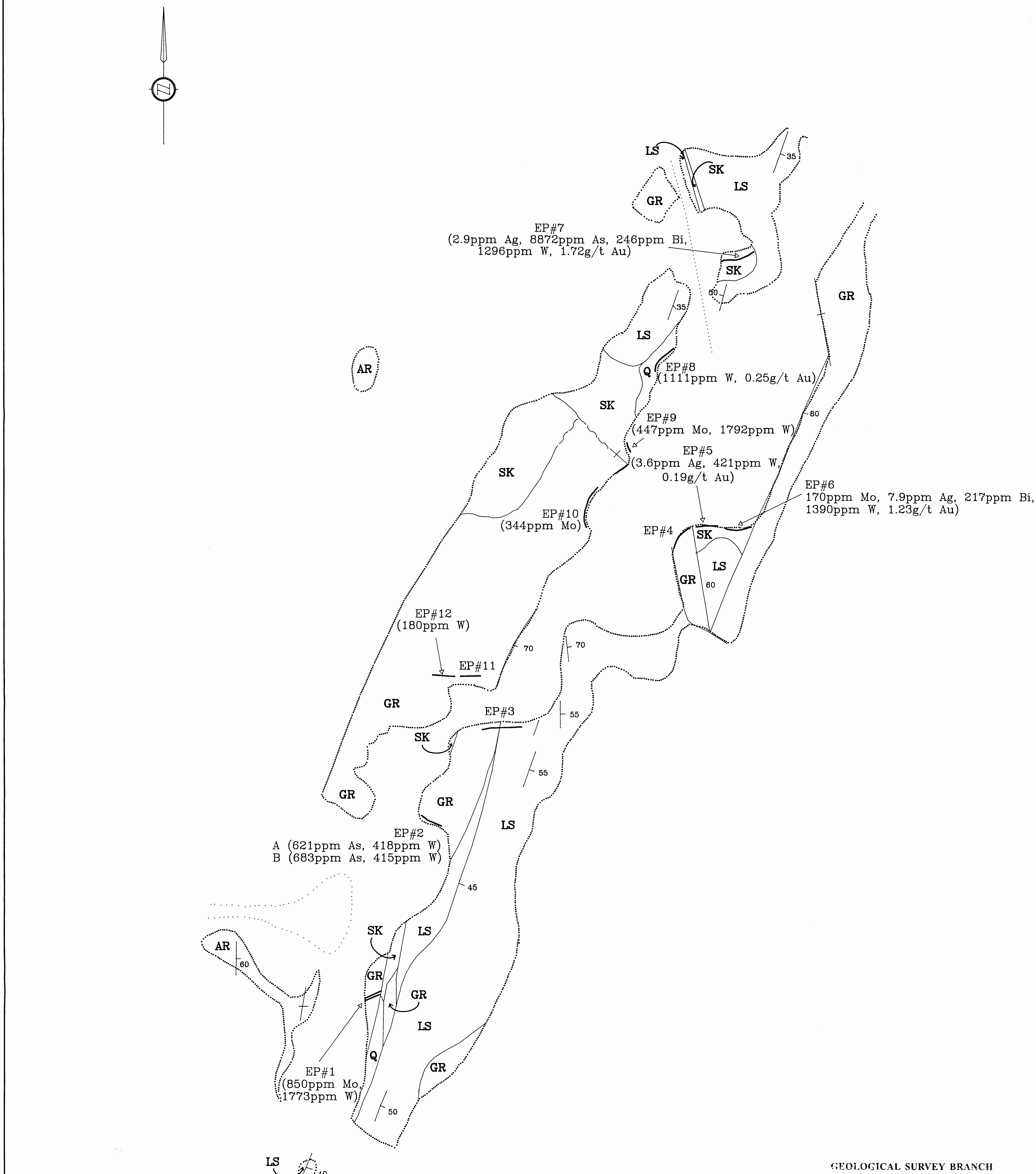


39+00E
40+00E
41+00E
42+00E
43+00E
44+00E
45+00E
46+00E
47+00E
48+00E
105+00N
104+00N
103+00N
102+00N
101+00N
100+00N
99+00N
98+00N
97+00N
96+00N
GR
LS
DOL
SPH
B.A.

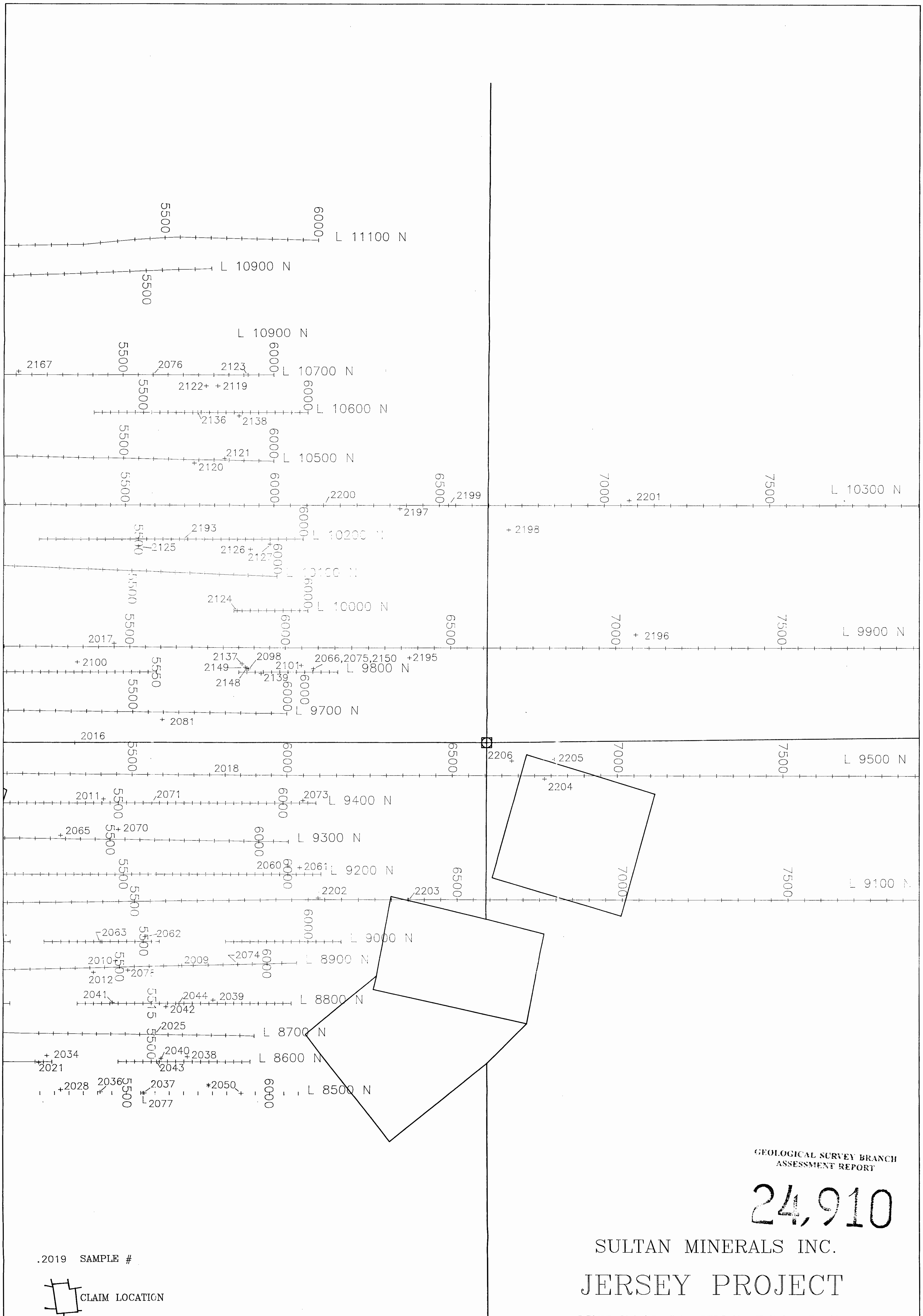

GR
Ls


TUNGSTEN KING GEOLOGY MAP
GAS LINE
ROAD
FAULT
DDH
TUNGSTEN KING SOUTH
LOST CREEK
FAULT
OLD ROAD
North

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

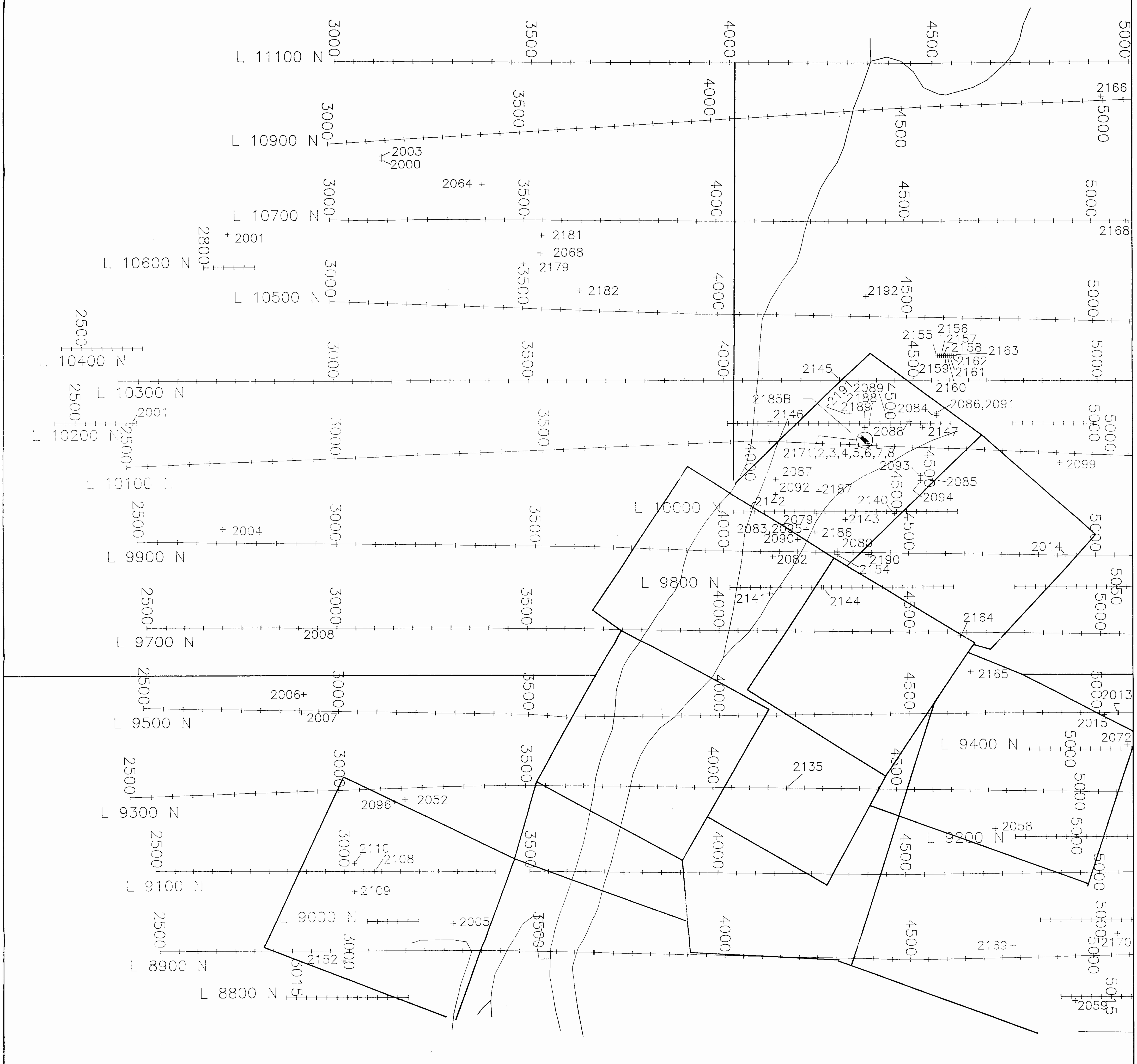
JERSEY PROJECT

NELSON MINING DIVISION

JERSEY GRID LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 11 EAST
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000



.2019 SAMPLE #

CLAIM LOCATION

CLAIM POST
GRID LINE LOCATION AND LABEL
EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

JERSEY GRID LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 11 WEST
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000

SAMPLE#	NDRTH	EAST	RESULTS
2000	10850	2830	
2001	10200	2640	
2002	10680	2860	
2003	10860	2830	
2004	9930	2710	11 ppm Bi
2005	8995	3255	327 ppm Cu, 337 ppm W, .32 g/t Au
2006	9540	2915	108 ppm Cu
2007	9495	2910	264 ppm Pb, 13.6 ppm Ag, 430 ppm Bi, 226 ppm W, 0.88 g/t Au
2008	9695	2915	37 ppm Mo, 158 ppm Cu, 1.2 ppm Ag, 149 ppm Bi, 1037 ppm W, 0.12 g/t Au
2009	8900	5710	268 ppm Cu, 1.0 ppm Ag
2010	8920	5488	107 ppm Cu
2011	9412	5455	
2012	8895	5340	141 ppm Cu, 2192 ppm Ba
2013	9500	5045	18 ppm Mo, 137 ppm Cu
2014	9901	4925	10 ppm Mo, 179 ppm Cu, 1419 ppm Zn, 4.4 ppm Ag, 107 ppm As, 50.4 ppm Cd
2015	9495	5012	
2016	9695	5295	
2017	9910	5450	216 ppm Cu
2018	9500	5735	505 ppm Zn
2021	8598	5170	153 ppm Cu
2022	8700	5547	199 ppm Cu
2023	8700	5460	130 ppm Cu
2024	8305	4920	92 ppm Mo, 71 ppm As
2025	8700	5500	
2026	8305	4620	13 ppm Mo, 211 ppm Cu, 620 ppm Zn, 9.6 ppm Cd
2027	8500	4675	20 ppm Mo
2028	8510	5235	109 ppm Cu
2029	8525	4525	
2030	8515	5043	15 ppm Mo, 137 ppm Cu, 1.6 ppm Ag
2031	8300	4735	19 ppm Mo, 214 ppm Cu
2032	8600	4960	160 ppm Cu
2033	8300	4595	14 ppm Mo, 748 ppm Zn, 12.4 ppm Cd
2034	8619	5185	198 ppm Cu, 612 ppm Zn
2035	8303	4633	24 ppm Mo, 180 ppm Cu
2036	8503	5355	137 ppm Cu
2037	8500	5553	148 ppm Cu
2038	8615	5610	267 ppm Cu, 1.8 ppm Ag
2039	8810	5702	214 ppm Cu
2040	8610	5530	214 ppm Cu
2041	8803	5398	
2042	8790	5560	205 ppm Cu
2043	8600	5517	211 ppm Cu
2044	8800	5600	
2045	8100	4480	
2046	8095	4120	
2047	8105	4350	
2048	8100	4665	16 ppm Mo, 124 ppm Cu
*2050	5900	8500	5.2 ppm Ag, >10 % As, 308 ppm Sb, 42 ppm Bi, 2.59 g/t Au
2051	8300	4730	133 ppm As
2052	9275	3150	74 ppm Mo, 834 ppm Cu, 1.3 ppm Ag, 692 ppm As, 295 ppm W
2053	8310	4560	
2054	8320	4675	19 ppm Mo, 447 ppm Cu, 4800 ppm Zn, 1.2 ppm Ag, 57 ppm As, 75.[illegible] ppm Cd
2055	8322	4675	155 ppm Cu
2056	8315	4620	13 ppm Mo, 114 ppm Cu
2057	8375	3600	
2058	9220	4800	17 ppm Mo
2059	8790	4925	1.3 ppm Ag
2060	9225	6000	27 ppm Mo, 125 ppm Cu, 683 ppm Zn, 1.9 ppm Ag, 10.8 ppm Cd
2061	9220	6035	22 ppm Mo, 109 ppm Cu, 867 ppm Zn, 2.2 ppm Ag, 14.3 ppm Cd
2062	9015	5505	126 ppm Cu
2063	9000	5370	11 ppm Mo, 218 ppm Cu
2064	10788	3375	303 ppm Pb, 17.9 ppm Ag, 467 ppm As, 295 ppm Bi, 1.52 g/t Au
2065	9310	5150	1.2 ppm Ag
2066	9810	6027	13 ppm Mo, 257 ppm Cu, 3483 ppm Zn, 1.1 ppm Ag, 40.5 ppm Cd
2067	8715	4945	10 ppm Mo, 171 ppm Cu, 832 ppm Zn
2068	10620	3540	18.3 ppm Ag, 6077 ppm Bi, 26.89 g/t Au
2070	9330	5525	143 ppm Cu, 22 ppm Bi
2071	9400	5603	170 ppm Cu
2072	9410	5140	26 ppm Mo, 1.5 ppm Ag
2073	9407	6060	11 ppm Mo, 1.1 ppm Ag
2074	8900	5855	12 ppm Mo, 244 ppm Cu
2075	9810	6027	13 ppm Mo, 193 ppm Cu, 2756 ppm Zn, 30.7 ppm Cd
2076	10070	5600	325 ppm Cu
2077	8500	5550	202 ppm Cu
2078	8890	5525	
2079	9898	4304	37 ppm Mo, 861 ppm Pb, 3045 ppm Zn, 2.1 ppm Ag, 27.0 ppm Cd, 31 ppm Bi
2080	9903	4280	131 ppm Pb
2081	9675	5590	196 ppm Cu
2082	9875	4105	53 ppm Mo, 2569 ppm Cu, 2.5 ppm Ag, 27 ppm Bi
2083	9955	4203	401 ppm Cu, 1.7 ppm Ag
2084	10218	4615	
2085	10075	4590	440 ppm Cu, 494 ppm Pb, 9929 ppm Zn, 4.6 ppm Ag, 40.8 ppm Cd, [illegible]9 ppm Bi
2086	10225	4615	5.5 ppm Ag, 925 ppm As, 47 ppm Bi, 0.20 g/t Au
2087	10079	4203	5263 ppm Mo, 10 ppm Bi, 255 ppm W
2088	10205	4547	20 ppm Mo, 2032 ppm Pb, >10% Zn, 5.3 ppm Ag, 2041.9 ppm Cd
2089	10225	4495	463 ppm Cu, 4.5 ppm Ag, 6936 ppm As, 12 ppm Bi, 1.57 g/t Au
2090	9930	4200	14 ppm Mo, 428 ppm Cu
2091	10225	4615	547 ppm Cu, 2.3 ppm Ag, 1549 ppm As
2092	10043	4203	2902 ppm Mo, 17 ppm Bi
2093	10088	4620	12 ppm Mo, 688 ppm Cu, 2509 ppm Zn, 32.3 ppm Cd, 10 ppm Bi
2094	10075	4560	
2095	9955	4203	120 ppm Pb
2096	9280	3125	69 ppm Mo, 111 ppm As
2098	9810	5830	4580 ppm Cu, 1.76% Pb, 1.68% Zn, 280.8 ppm Ag, 2298 ppm As, 128.4 ppm Cd, 5210 ppm Sb, 14 ppm Bi, 0.20 g/t Au
2099	10085	4875	24 ppm Mo, 101 ppm Pb, 2.9 ppm Ag, 0.15 g/t Au
2100	9830	5310	100 ppm Pb, 2.6 ppm Ag
2101	9820	5890	145 ppm Cu, 1.0 ppm Ag
2108	9100	3075	222 ppm Mo, 510 ppm Cu, 1617 ppm Pb, 1002 ppm Zn, 2.2 ppm Ag, 2[illegible]4 ppm As, 82 ppm Bi, 1228 ppm W, 0.61 g/t Au
2109	9050	3025	328 ppm Mo, 389 ppm Cu, 107 ppm Pb, 5.2 ppm Ag, 746 ppm As, 267 ppm Bi, 2024 ppm W, 1.48 g/t Au
2110	9120	3025	228 ppm Mo, 236 ppm Cu, 669 ppm Pb, 3.0 ppm Ag, 592 ppm As, 124 ppm Bi, 1851 ppm W, 0.78 g/t Au
2119	10680	5725	149 ppm Cu, 503 ppm Ba
2120	10490	5715	181 ppm Cu
2121	10505	5850	167 ppm Cu
2122	10680	5690	213 ppm Cu
2123	10701	5880	
2124	10000	5785	16 ppm Mo, 360 ppm Cu
2125	10180	5500	41 ppm Mo
2126	10170	5840	668 ppm Cu, 1.2 ppm Ag
2127	10185	5900	23 ppm Mo, 357 ppm Cu, 1.0 ppm Ag
2135	9300	4200	
2136	10600	5665	233 ppm Cu, 1.2 ppm Ag
2137	9825	5410	176 ppm Cu
2138	10590	5790	145 ppm Cu
2139	9796	5868	150 ppm Cu
2140	9995	4395	4270 ppm Pb, >10% Zn, 4.1 ppm Ag, 2494.0 ppm Cd
2141	9790	4125	20 ppm Mo, 441 ppm Cu, 1.92% Pb, 3.93% Zn, 9.6 ppm Ag, 126 ppm As, 135.4 ppm Cd
2142	10002	4135	102 ppm Pb
2143	9980	4375	308 ppm Pb, 4.91% Zn, 419.5 ppm Cd
2144	9800	4230	2155 ppm Zn, 1.0 ppm Ag, 14.2 ppm Cd
2145	10303	4300	680 ppm Zn
2146	10205	4205	37 ppm Mo, 36 ppm Bi, 1536 ppm W, 0.13 g/t Au
2147	10190	4580	
2148	9812	5825	5680 ppm Cu, 4681 ppm Pb, 2321 ppm Zn, 111.8 ppm Ag, 473 ppm As, 22.8 ppm Cd, 640 ppm Sb
2149	9815	5820	1595 ppm Cu, 7598 ppm Pb, 2404 ppm Zn, 162.8 ppm Ag, 664 ppm As, 26.7 ppm Cd, 1157 ppm Sb, 19 ppm Bi
2150	9810	6027	21 ppm Mo, 308 ppm Cu, 4985 ppm Zn, 2.9 ppm Ag, 51.2 ppm Cd
2151	8700	3175	137 ppm Cu, 1.2 ppm Ag, 190 ppm As, 18 ppm Bi
2152	8890	3230	
2153	8685	3185	924 ppm Cu, 298 ppm Pb, 2.20% Zn, 2.0 ppm Ag, 183.8 ppm Cd, 21 ppm Bi, 0.22 g/t Au
2154	9895	4307	11 ppm Mo, 1120 ppm Pb, 533 ppm Zn, 2.4 ppm Ag
2155	10360	4560	326 ppm Mo, 137 ppm Cu, 382 ppm W
2156	10360	4565	279 ppm Mo, 147 ppm Cu, 3388 ppm W
2157	10360	4570	60 ppm Mo, 502 ppm Cu, 2024 ppm W
2158	10360	4575	844 ppm Zn, 218 ppm As, 10.5 ppm Cd
2159	10360	4580	737 ppm Zn, 139 ppm As
2160	10360	4585	
2161	10360	4590	11 ppm Mo, 156 ppm Cu, 705 ppm W
2162	10360	4595	49 ppm Mo, 507 ppm Cu, 232 ppm As, 1366 ppm W
2163	10360	4600	13 ppm Mo, 1272 ppm W
2164	9590	4625	133 ppm As
2165	9600	4650	
2166	10910	4995	
2167	10710	5145	1.8 ppm Ag
2168	10700	5085	562 ppm Zn
2169	8935	4750	
2170	8955	5060	12 ppm Mo
2171	10100	4275	10 ppm Mo, 607 ppm Zn, 55 ppm As
2172	10105	4273	20 ppm Mo, 237 ppm As
2173	10110	4271	
2174	10115	4269	12 ppm Mo
2175	10120	4267	
2176	10125	4265	29 ppm Mo, 71 ppm As
2177	10130	4263	84 ppm Mo
2178	10135	4261	161 ppm Mo, 1392 ppm Cu, 2.4 ppm Ag, 1417 ppm Bi, 0.60 g/t Au
2179	10600	3500	
2181	10670	3545	
2182	10542	3640	131 ppm Pb, 8.2 ppm Ag, 133 ppm Bi, 143 ppm W, 0.78 g/t Au
2185B	10105	4280	16 ppm Mo, 950 ppm Zn, 3.3 ppm Ag, 2546 ppm Bi, 814 ppm W, 1.18 g/t Au
2186	9950	4300	34 ppm Mo, 615 ppm Zn, 21 ppm Bi
2187	10150	4310	31 ppm Mo, 118 ppm Cu, 827 ppm Zn, 13 ppm Bi, 130 ppm W
2188	10200	4400	28 ppm Mo, 101 ppm Cu, 758 ppm Zn, 47 ppm Bi, 637 ppm Ba, 102 ppm W
2189	10165	4385	29 ppm Mo, 1.23% Zn, 112.0 ppm Cd, 13 ppm Bi, 689 ppm W
2190	9995	4390	750 ppm Pb, 8.35% Zn, 2.8 ppm Ag, 1197.7 ppm Cd
2191	10025	4400	3.49% Pb, 17.22% Zn, 44.0 ppm Ag, 2967.5 ppm Cd, 75 ppm Sb
2192	10550	4400	102 ppm Mo, 407 ppm Pb, 1554 ppm Zn, 15.4 ppm Cd, 979 ppm W
2193	10200	5640	152 ppm Cu, 113 ppm Pb, 731 ppm Ba
2195	9870	6375	2021 ppm Zn, 12.5 ppm Cd, 67 ppm W, 0.10 g/t Au
2196	9940	7060	38 ppm Mo, 520 ppm Zn, 1.2 ppm Ag
2197	10290	6380	22 ppm Mo, 123 ppm Cu, 591 ppm Zn, 1.0 ppm Ag
2198	10225	6710	
2199	10300	6528	24 ppm Mo, 112 ppm Cu
2200	10300	6150	175 ppm Cu
2201	10315	7275	33 ppm Mo
2202	9105	6080	15 ppm Mo, 238 ppm Cu, 367 ppm Zn
2203	9100	6352	1107 ppm Pb, 218.3 ppm Ag, 165 ppm As, 3183 ppm Bi, 35.38 g/t Au
2204	9490	6780	
2205	9550	6810	29 ppm Mo, 430 ppm Cu, 4.97% Pb, 0.55% Zn, 204.8 ppm Ag, 51.3 ppm Cd, 88 ppm Sb, 131 ppm Bi, 0.12 g/t Au
2206	9545	6680	331 ppm Cu, 1551 ppm Pb, 6884 ppm Zn, 22.1 ppm Ag, 58.5 ppm Cd

SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

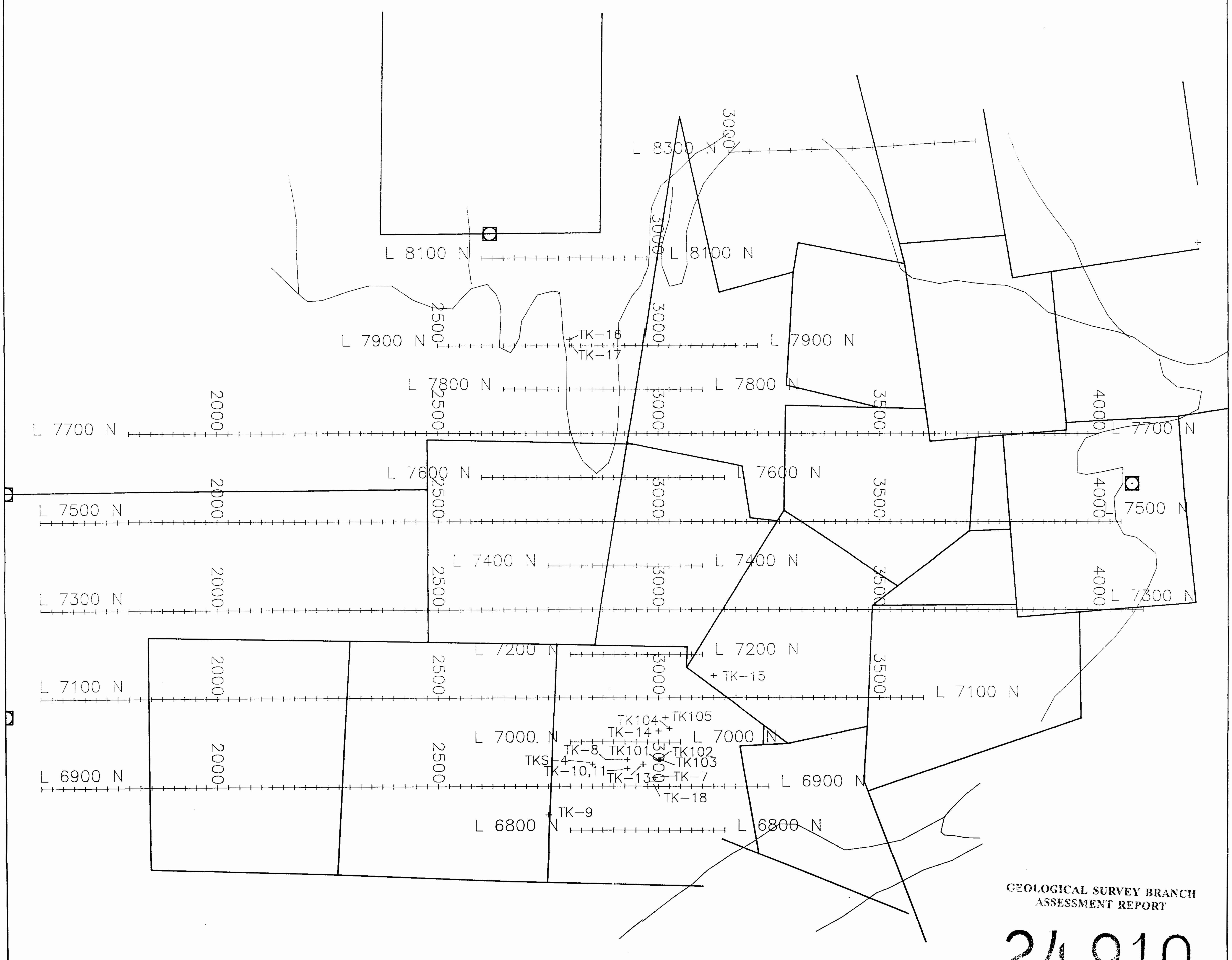
JERSEY GRID LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 11 TEXT
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000

SAMPLE#	NORTH	EAST	RESULTS
2183	5565	3895	30 ppm Mo, 128 ppm Cu, 1.4 ppm Ag
2184	5520	4165	21 ppm Mo, 93 ppm W
2185A	5575	3800	11 ppm Mo, 2.6 ppm Ag, 507 ppm Ba
TR-1	5510	2580	166 ppm Cu, 1.03% Pb, 7.90% Zn, 25.2 ppm Ag, 871.9 ppm Cd
TR-2	5540	2520	5887 ppm Pb, >10% Zn, 2.5 ppm Ag, 1337.5 ppm Cd
TR-3	5490	2405	6500 ppm Pb, 7.74% Zn, 2.5 ppm Ag, 60 ppm As, 743.5 ppm Cd
TR-4	5575	2370	2.56% Pb, 8.37% Zn, 59.1 ppm Ag, 416.2 ppm Cd, 71 ppm Sb
TR-5	5550	2525	129 ppm Cu, 1463 ppm Pb, 10.44% Zn, 6.6 ppm Ag, 1489.4 ppm Cd
TR-6	5605	2500	10 ppm Mo, 1.39% Pb, 9.35% Zn, 8.4 ppm Ag, 1168.7 ppm Cd
TR-7	5640	2475	1.29% Pb, 4.06% Zn, 4.7 ppm Ag, 55 ppm As, 374.0 ppm Cd

SAMPLE#	NORTH	EAST	RESULTS
TK-7	6920	2992	1049 ppm Cu, 710 ppm Pb, 2903 ppm Zn, 5.2 ppm Ag, 29.5 ppm Cd, 268 ppm W'
TK-8	6960	2931	3377 ppm Pb, 3.31% Zn, 2.4 ppm Ag, 63 ppm As, 113.0 ppm Cd'
TK-9	6835	2750	5754 ppm Pb, 8.58% Zn, 5.7 ppm Ag, 401.1 Cd'
TK-10	6940	2930	2434 ppm Pb, 16.33% Zn, 9.2 ppm Ag, 682.0 ppm Cd'
TK-11	6940	2930	28 ppm Mo, 221 ppm Cu, 2843 ppm Pb, 9578 ppm Zn, 5.8 ppm Ag, 52.2 ppm Cd'
TK-12	6020	3000	696 ppm Cu, 3848 ppm Zn, 1.7 ppm Ag, 50.6 ppm Cd, 805 ppm Bi, 513 ppm W, 11.07 g/t Au'
TK-13	6950	2965	303 ppm Cu, 4.43% Pb, 2.40% Zn, 69.7 ppm Ag, 309 ppm As, 270.0 ppm Cd, 75 ppm Sb, 0.19 g/t Au'
TK-14	7025	3000	
TK-15	7150	3125	296 ppm Cu, 3.02% Pb, 72.8 ppm Ag, 5.90% As, 14.9 ppm Cd, 122 ppm Sb, 2.53 g/t Au'
TK-16	7915	2800	51 ppm As
TK-17	7900	2805	1530 ppm Pb, 2831 ppm Zn, 1.8 ppm Ag, 452 ppm As
TK-18	6910	2985	994 ppm Cu, 1.2 ppm Ag, 1058 ppm W
TK101	6960	3000	120 ppm Cu
TK102	6960	3002	12 ppm Mo, 132 ppm Cu, 67 ppm As'
TK103	6960	3005	248 ppm Cu
TK104	7130	3025	388 ppm Cu, 2.83% Pb, 1407 ppm Zn, 97.3 ppm Ag, 5.24% As, 34.2 ppm Cd, 141 ppm Sb, 3.95 g/t Au'
TK105	7155	3015	311 ppm Cu, 2.87% Pb, 5569 ppm Zn, 133.9 ppm Ag, 1.34% As, 95.4 ppm Cd, 200 ppm Sb, 1.41 g/t Au'
TK106	6390	3145	353 ppm Pb, 129 ppm As'
TKS-1	5405	3125	36 ppm Mo, 466 ppm Cu, 4570 ppm Pb, 6661 ppm Zn, 4.9 ppm Ag, 51.1 ppm Cd, 10 ppm Bi
TKS-2	5395	3150	61 ppm Mo, 675 ppm Cu, 6398 ppm Pb, 2556 ppm Zn, 7.3 ppm Ag, 55 ppm As, 21.0 ppm Cd, 22 ppm Bi
TKS-3	6400	3150	31 ppm Mo, 631 ppm Cu, 3896 ppm Pb, 4.4 ppm Ag, 56 ppm As, 17.4 ppm Cd
TKS-4	6950	2850	3726 ppm Pb, 1.12% Zn, 2.7 ppm Ag, 57.5 ppm Cd
TKS-5	6400	3151	31 ppm Mo, 648 ppm Cu, 4776 ppm Pb, 6.6 ppm Ag, 10.0 ppm Cd



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SAMPLE #

CLAIM LOCATION

CLAIM POST

GRID LINE LOCATION AND LABEL

EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

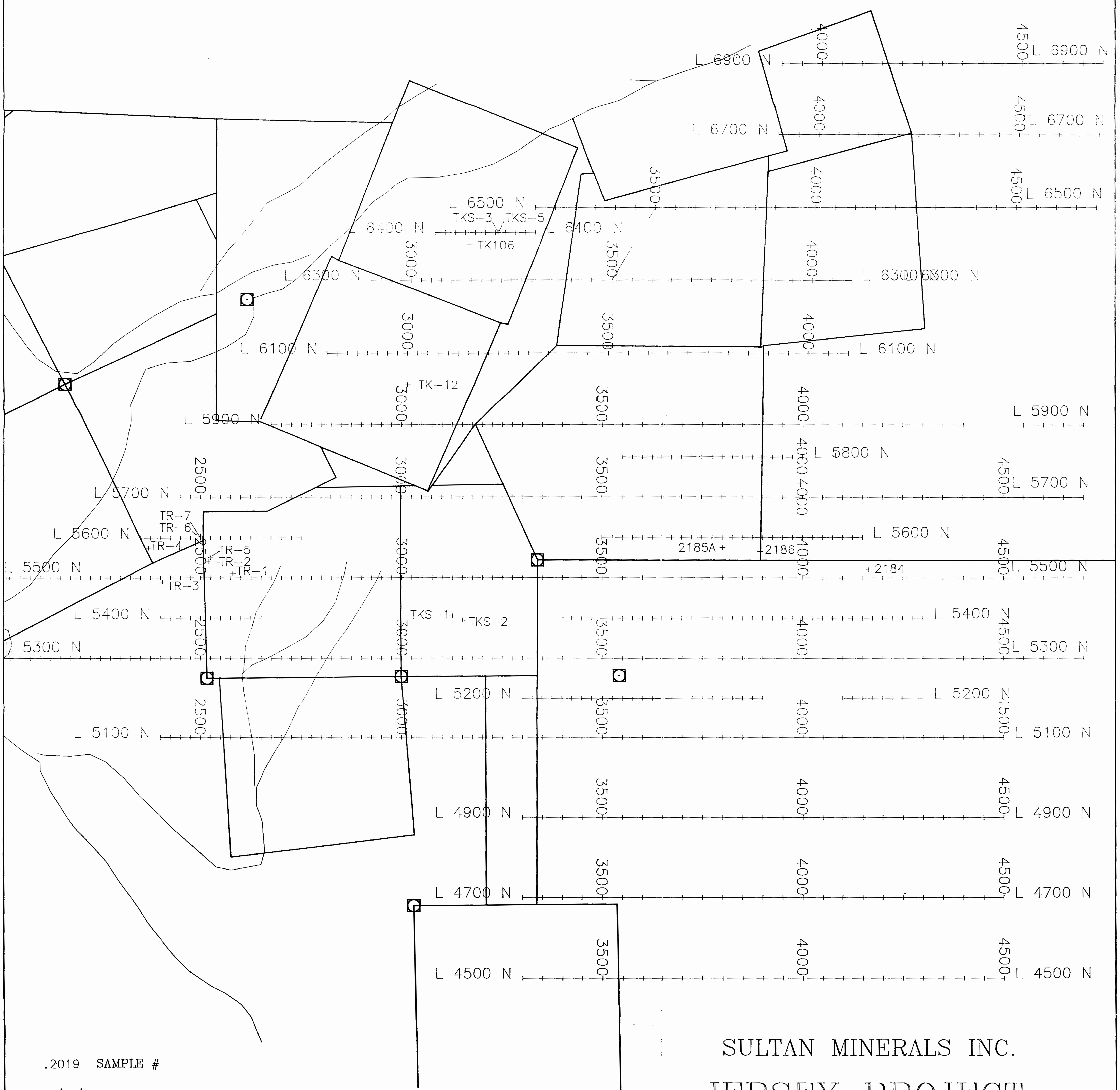
TUNGSTEN KING LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 12
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000

SAMPLE#	NORTH	EAST	RESULTS
2183	5565	3895	30 ppm Mo, 128 ppm Cu, 1.4 ppm Ag
2184	5520	4165	21 ppm Mo, 93 ppm W
2185A	5575	3800	11 ppm Mo, 2.6 ppm Ag, 507 ppm Ba
TR-1	5510	2580	166 ppm Cu, 1.03% Pb, 7.90% Zn, 25.2 ppm Ag, 871.9 ppm Cd
TR-2	5540	2520	5887 ppm Pb, >10% Zn, 2.5 ppm Ag, 1337.5 ppm Cd
TR-3	5490	2405	6500 ppm Pb, 7.74% Zn, 2.5 ppm Ag, 60 ppm As, 743.5 ppm Cd
TR-4	5575	2370	2.56% Pb, 8.37% Zn, 59.1 ppm Ag, 416.2 ppm Cd, 71 ppm Sb
TR-5	5550	2525	129 ppm Cu, 1463 ppm Pb, 10.44% Zn, 6.6 ppm Ag, 1489.4 ppm Cd
TR-6	5605	2500	10 ppm Mo, 1.39% Pb, 9.35% Zn, 8.4 ppm Ag, 1168.7 ppm Cd
TR-7	5640	2475	1.29% Pb, 4.06% Zn, 4.7 ppm Ag, 55 ppm As, 374.0 ppm Cd

SAMPLE#	NORTH	EAST	RESULTS
TK-7	6920	2992	1049 ppm Cu, 710 ppm Pb, 2903 ppm Zn, 5.2 ppm Ag, 29.5 ppm Cd, 268 ppm W'
TK-8	6960	2930	3377 ppm Pb, 3.31% Zn, 2.4 ppm Ag, 63 ppm As, 113.0 ppm Cd'
TK-9	6835	2750	5754 ppm Pb, 8.58% Zn, 5.7 ppm Ag, 401.1 Cd'
TK-10	6940	2930	2434 ppm Pb, 16.33% Zn, 9.2 ppm Ag, 682.0 ppm Cd'
TK-11	6940	2930	28 ppm Mo, 221 ppm Cu, 2843 ppm Pb, 9578 ppm Zn, 5.8 ppm Ag, 52.2 ppm Cd'
TK-12	6020	3000	696 ppm Cu, 3848 ppm Zn, 1.7 ppm Ag, 50.6 ppm Cd, 805 ppm Bi, 513 ppm W, 11.07 g/t Au'
TK-13	6950	2965	303 ppm Cu, 4.43% Pb, 2.40% Zn, 69.7 ppm Ag, 309 ppm As, 270.0 ppm Cd, 75 ppm Sb, 0.19 g/t Au'
TK-14	7025	3000	
TK-15	7150	3125	296 ppm Cu, 3.02% Pb, 72.8 ppm Ag, 5.90% As, 14.9 ppm Cd, 122 ppm Sb, 2.53 g/t Au'
TK-16	7915	2800	51 ppm As
TK-17	7900	2805	1530 ppm Pb, 2831 ppm Zn, 1.8 ppm Ag, 452 ppm As
TK-18	6910	2985	994 ppm Cu, 1.2 ppm Ag, 1058 ppm W
TK101	6960	3000	120 ppm Cu
TK102	6960	3002	12 ppm Mo, 132 ppm Cu, 67 ppm As'
TK103	6960	3005	248 ppm Cu
TK104	7130	3025	388 ppm Cu, 2.83% Pb, 1407 ppm Zn, 97.3 ppm Ag, 5.24% As, 34.2 ppm Cd, 141 ppm Sb, 3.95 g/t Au'
TK105	7155	3015	311 ppm Cu, 2.87% Pb, 5569 ppm Zn, 133.9 ppm Ag, 1.34% As, 95.4 ppm Cd, 200 ppm Sb, 1.41 g/t Au'
TK106	6390	3145	353 ppm Pb, 129 ppm As'
TKS-1	5405	3125	36 ppm Mo, 466 ppm Cu, 4570 ppm Pb, 6661 ppm Zn, 4.9 ppm Ag, 51.1 ppm Cd, 10 ppm Bi
TKS-2	5395	3150	61 ppm Mo, 675 ppm Cu, 6398 ppm Pb, 2556 ppm Zn, 7.3 ppm Ag, 55 ppm As, 21.0 ppm Cd, 22 ppm Bi
TKS-3	6400	3150	31 ppm Mo, 631 ppm Cu, 3896 ppm Pb, 4.4 ppm Ag, 56 ppm As, 17.4 ppm Cd
TKS-4	6950	2850	3726 ppm Pb, 1.12% Zn, 2.7 ppm Ag, 57.5 ppm Cd
TKS-5	6400	3151	31 ppm Mo, 648 ppm Cu, 4776 ppm Pb, 6.6 ppm Ag, 10.0 ppm Cd



.2019 SAMPLE #

CLAIM LOCATION

CLAIM POST

GRID LINE LOCATION AND LABEL

EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

JERSEY PROJECT

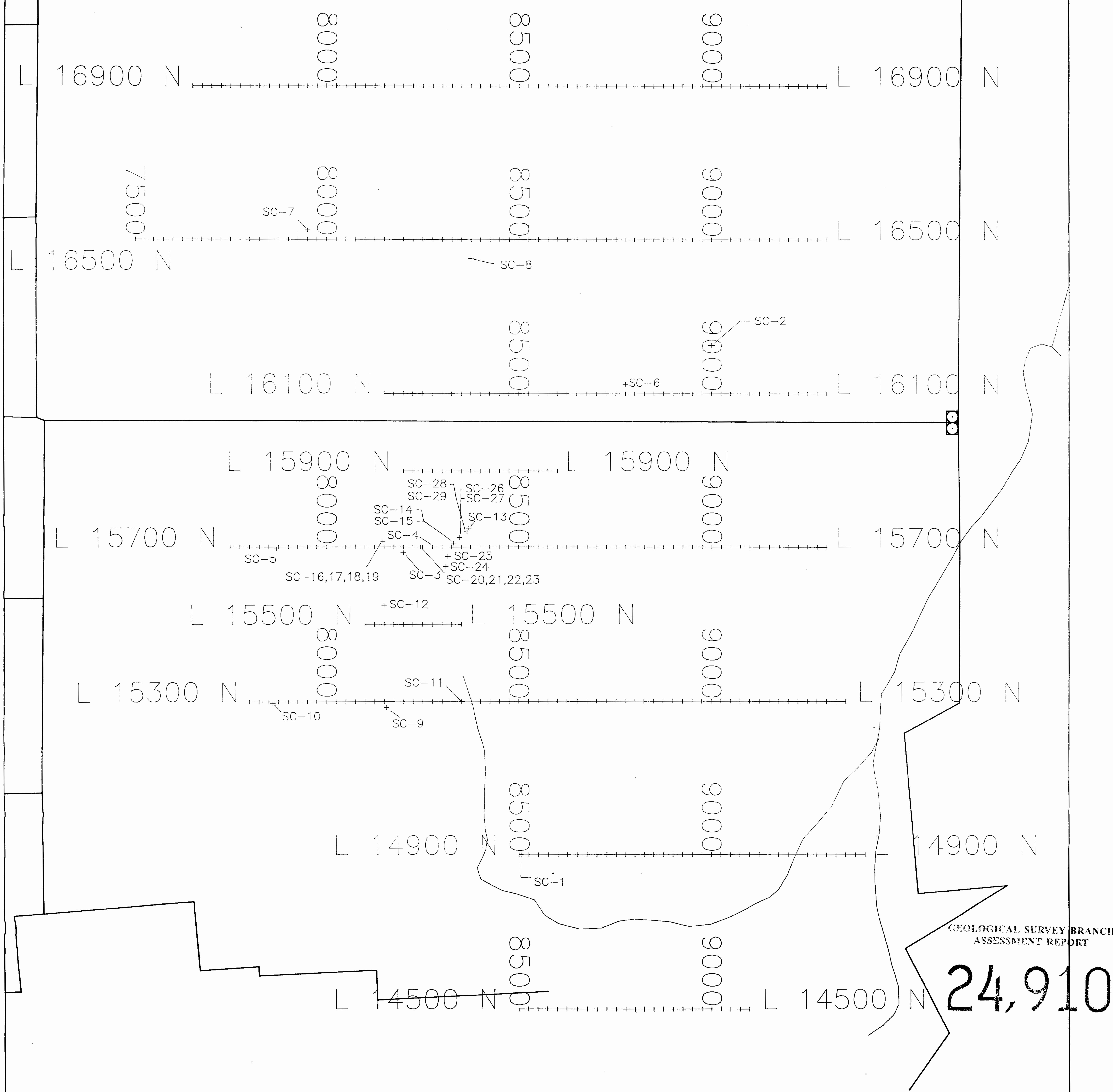
NELSON MINING DIVISION

POSIE/TRUMAN HILL LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 13
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000

SAMPLE#	NORTH	EAST	RESULTS
SC-1	14900	8505	
SC-2	16225	9000	97 ppm As
SC-3	15685	8200	3.05% Pb, 1.06% Zn, 37.4 ppm Ag, 56.4 ppm Cd, 78 ppm Sb, 0.23 g/t Au
SC-4	15700	8270	4.64% Pb, 1.53% Zn, 88.2 ppm Ag, 106.3 ppm Cd, 78 ppm Sb, 0.22 g/t Au
SC-5	15695	7870	34 ppm Mo, 122 ppm Cu, 268 ppm Pb, 2.1 ppm Ag
SC-6	16125	8775	404 ppm Pb, 1.4 ppm Ag
SC-7	16525	7950	
SC-8	16450	8375	10 ppm Mo, 3012 ppm Pb, 7.7 ppm Ag
SC-9	15285	8155	651 ppm Pb, 1.52% Zn, 2.0 ppm Ag, 164.0 ppm Cd
SC-10	15295	7860	1.4 ppm Ag
SC-11	15300	8150	2674 ppm Zn, 16.6 ppm Cd
SC-12	15550	8150	
SC-13	15750	8370	1446 ppm Zn
SC-14	15710	8330	1236 ppm Pb, 7885 ppm Zn, 4.0 ppm Ag, 49.4 ppm Cd, 0.58 g/t Au
SC-15	15710	8330	6656 ppm Pb, 3019 ppm Zn, 15.7 ppm Ag, 19.3 ppm Cd, 0.55 g/t Au
SC-16	15715	8145	5046 ppm Pb, 2303 ppm Zn, 7.0 ppm Ag, 14.2 ppm Cd
SC-17	15715	8145	1182 ppm Pb, 1518 ppm Zn, 2.4 ppm Ag, 0.11 g/t Au
SC-18	15715	8145	2.50% Pb, 1.70% Zn, 75.1 ppm Ag, 88.3 ppm Cd, 96 ppm Sb, 0.65 g/t Au
SC-19	15715	8145	1394 ppm Pb, 544 ppm Zn, 2.5 ppm Ag
SC-20	15700	8245	485 ppm Pb, 1492 ppm Zn, 1.2 ppm Ag
SC-21	15700	8245	1353 ppm Pb, 1041 ppm Zn, 3.9 ppm Ag
SC-22	15700	8245	5299 ppm Pb, 4622 ppm Zn, 7.3 ppm Ag, 30.8 ppm Cd
SC-23	15700	8245	5414 ppm Pb, 1.29% Zn, 7.4 ppm Ag, 54.8 ppm Cd, 48 ppm W
SC-24	15650	8310	202 ppm Pb, 1.2 ppm Ag
SC-25	15675	8315	847 ppm Pb, 847 ppm Zn, 2.6 ppm Ag
SC-26	15725	8345	2.42% Pb, 1487 ppm Zn, 100.0 ppm Ag, 104 ppm Sb
SC-27	15725	8345	610 ppm Pb, 1.4 ppm Ag
SC-28	15740	8365	2.58% Pb, 2.46% Zn, 183.0 ppm Ag, 135.4 ppm Cd, 168 ppm Sb, 2.60 g/t Au
SC-29	15740	8365	694 ppm Pb, 1.7 ppm Ag



.2019 SAMPLE #

CLAIM LOCATION

CLAIM POST
GRID LINE LOCATION AND LABEL
EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

JERSEY PROJECT

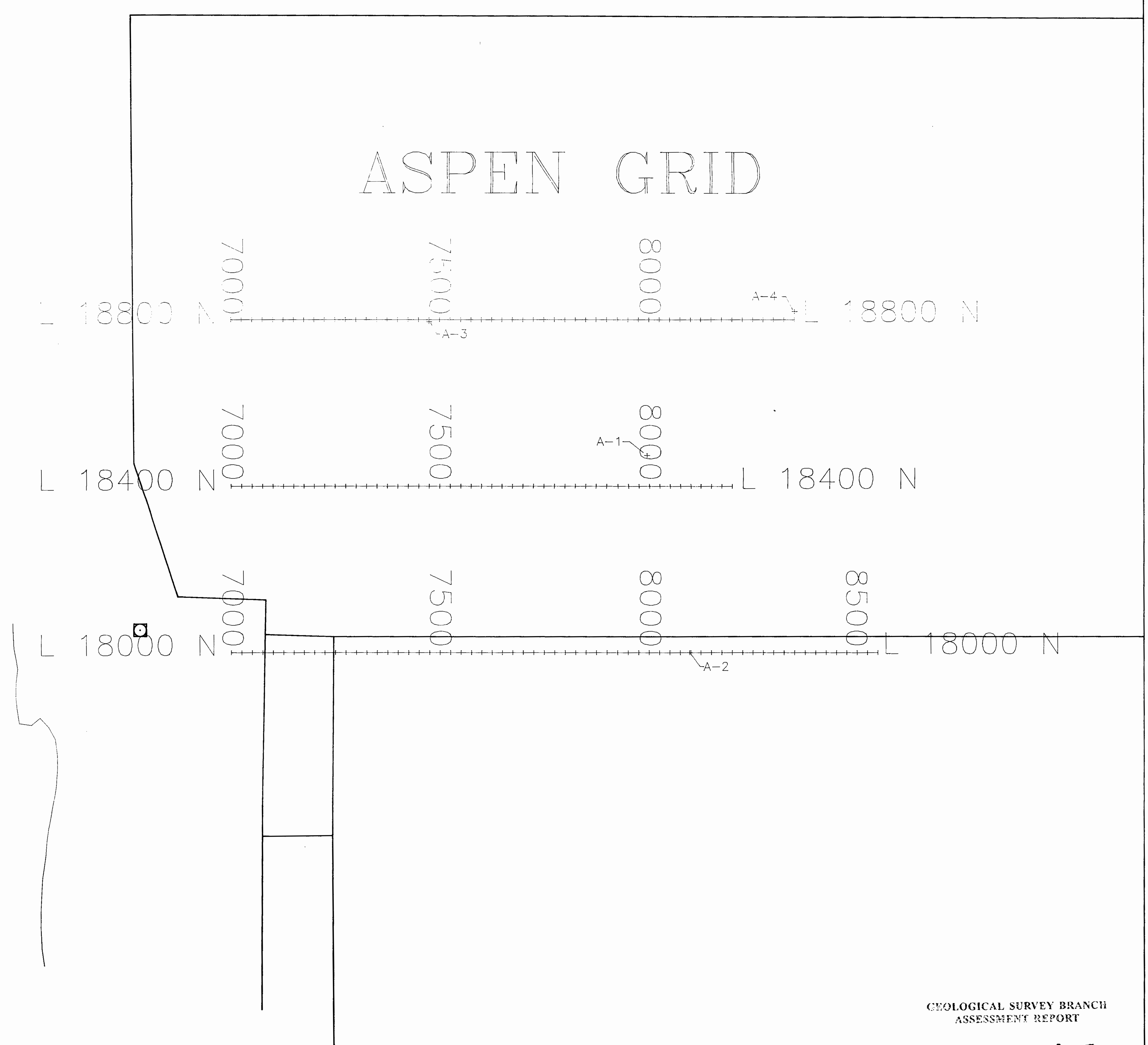
NELSON MINING DIVISION

SALMO CONSOLIDATED LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 14
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000

SAMPLE#	NORTH	EAST	RESULTS
A-1	18475	7975	
A-2	18000	8097	
A-3	18795	7475	
A-4	18820	8350	



SAMPLE #

CLAIM LOCATION

CLAIM POST

GRID LINE LOCATION AND LABEL

EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

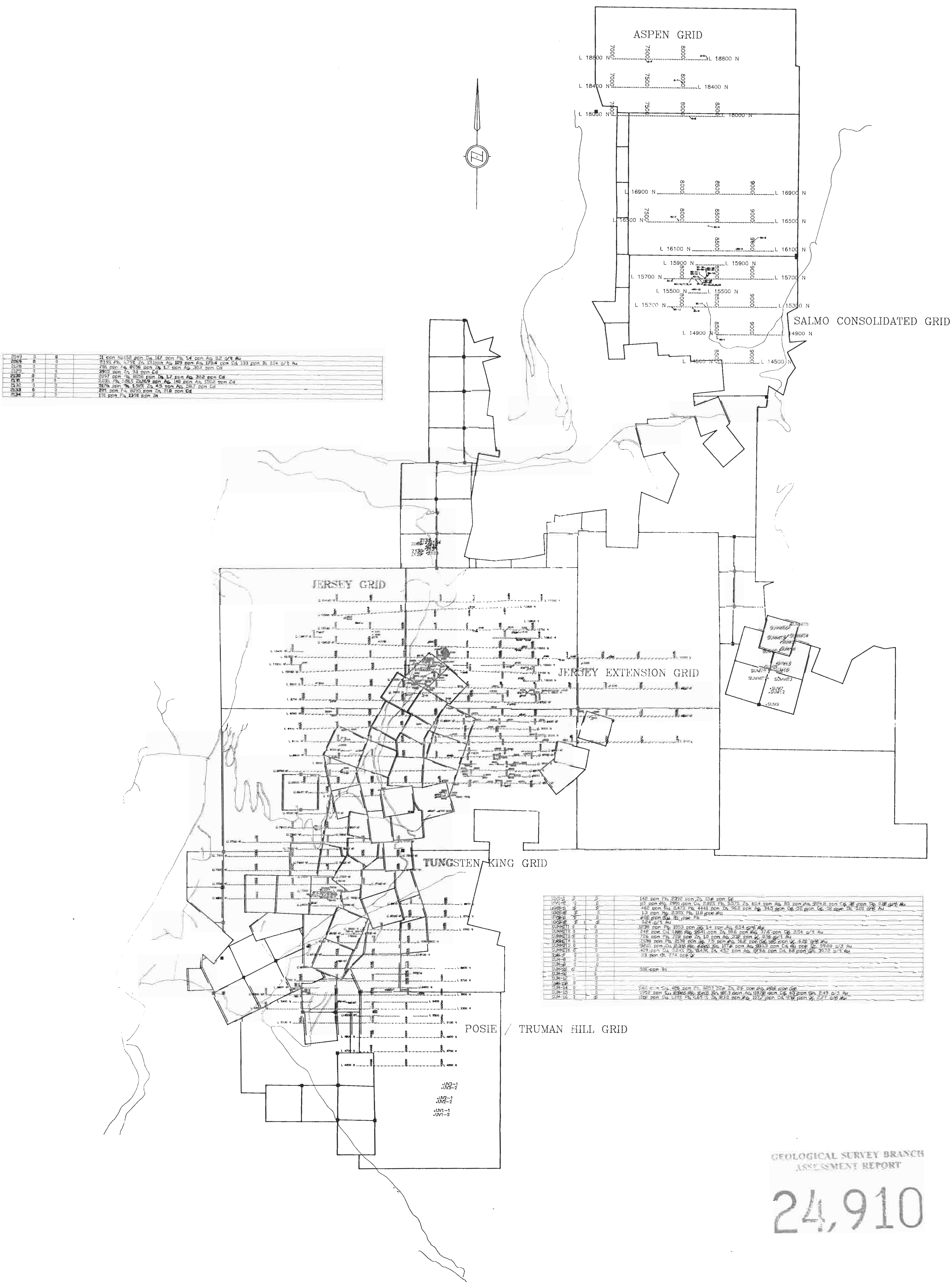
JERSEY PROJECT

NELSON MINING DIVISION

ASPEN LITHOGEOCHEMISTRY MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 15
DATE: FEBRUARY 26, 1997
SCALE = 1 : 5,000



SAMPLE #

CLAIM LOCATION

CLAIM POST

GRID LINE LOCATION AND LABEL

EASTING, MARKED EVERY 5+00m

ROADWAYS

SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

REGIONAL LITHOGEOCHEMISTRY MAP

BY: L.I.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 16
DATE: FEBRUARY 26, 1997
SCALE = 1 : 25 000

LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<1.0 SAMPLE VALUE
CONTOUR (10ppb INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
SULTAN MINERALS INC.
JERSEY GRID (east)
NELSON MINING DIVISION
Au(ppb) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 21
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(10ppb INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
JERSEY GRID (west)
NELSON MINING DIVISION
Au(ppb) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 21B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


L 11100 N
L 10900 N
L 10700 N
L 10600 N
L 10500 N
L 10200 N
L 10100 N
L 10000 N
L 9800 N
L 9400 N
L 9200 N
L 9000 N
L 8900 N
L 8800 N
L 8700 N
L 8600 N
L 8500 N
L 8300 N
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<0.3 SAMPLE VALUE
WATER
CONTOUR (1ppm INTERVAL) >3 SHADED
CLAIM POST
CLAIM LOCATION
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
SULTAN MINERALS INC.
JERSEY GRID (east)
NELSON MINING DIVISION
Ag(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 22B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<0.3 SAMPLE VALUE
CONTOUR (1ppm INTERVAL) >3 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

JERSEY GRID (west)

NELSON MINING DIVISION

Ag(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 22B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
SULTAN MINERALS INC.
JERSEY GRID (east)
NELSON MINING DIVISION
As(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 23
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(50ppm INTERVAL)
>150 SHADED
WATER
CLAIM POST
CLAIM LOCATION

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
WATER
CONTOUR (50ppm INTERVAL) >150 SHADED
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

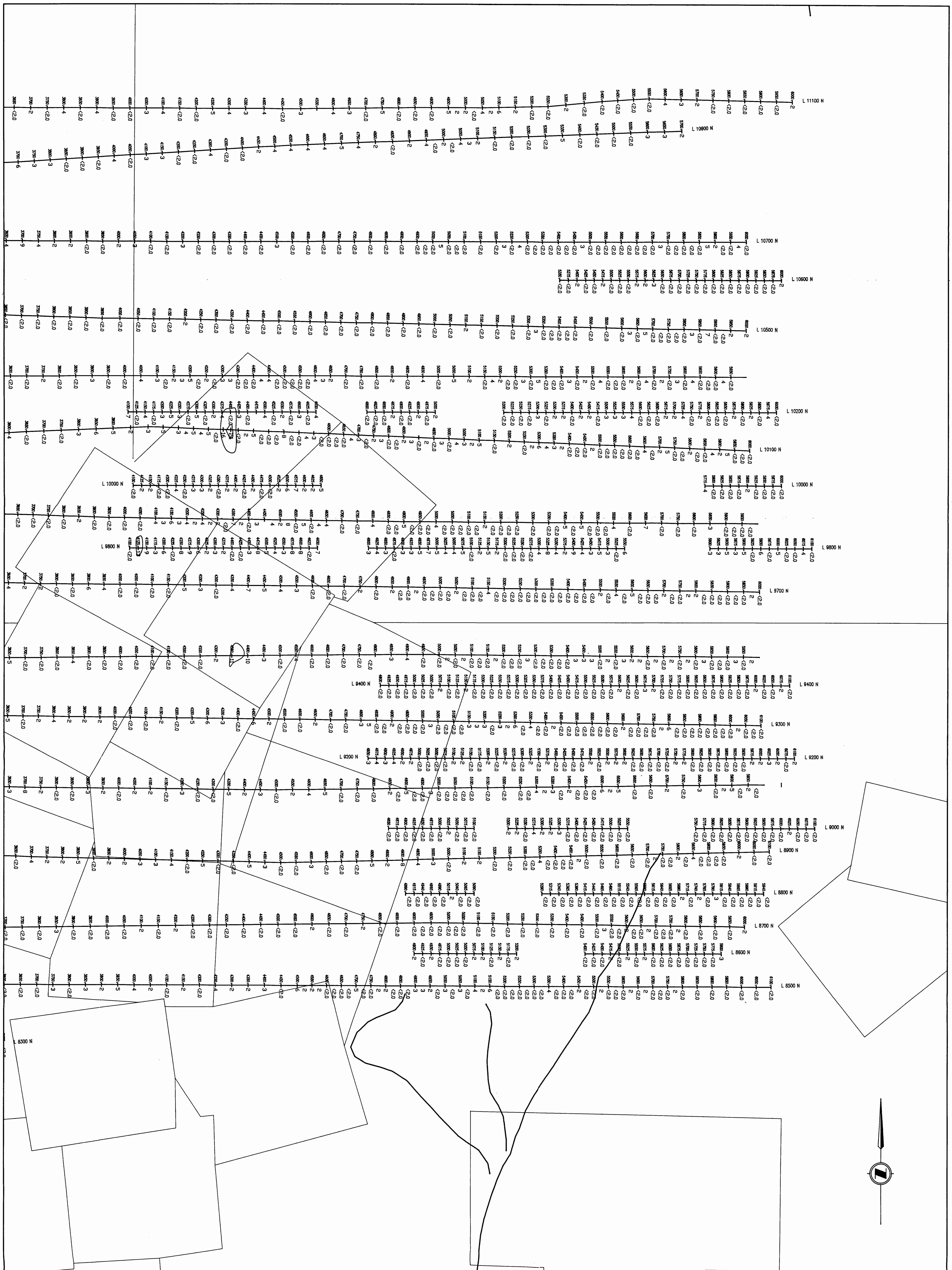
JERSEY GRID (west)

NELSON MINING DIVISION

As(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 23B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

- SAMPLE LOCATIONS (EASTINGS)
- L 5200 N GRID LINE LOCATION AND LABEL
- <3 SAMPLE VALUE
- WATER
- CONTOUR (10ppm INTERVAL) >30 SHADED
- CLAIM POST
- CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

JERSEY GRID (east)

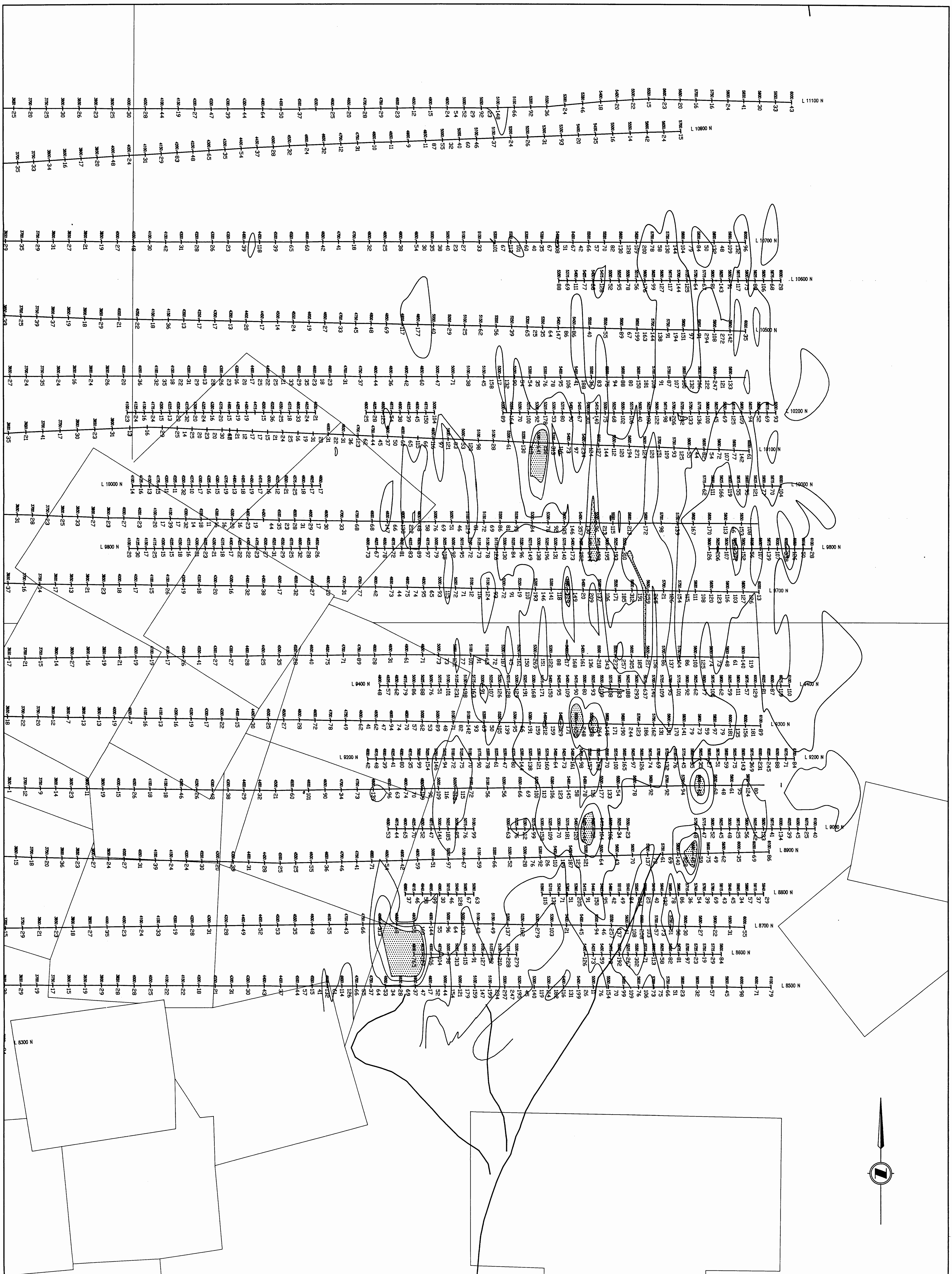
NELSON MINING DIVISION

Bi(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 24
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(10ppm INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
JERSEY GRID (west)
NELSON MINING DIVISION
Bi(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 24B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (100ppm INTERVAL) >300 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

JERSEY GRID (east)

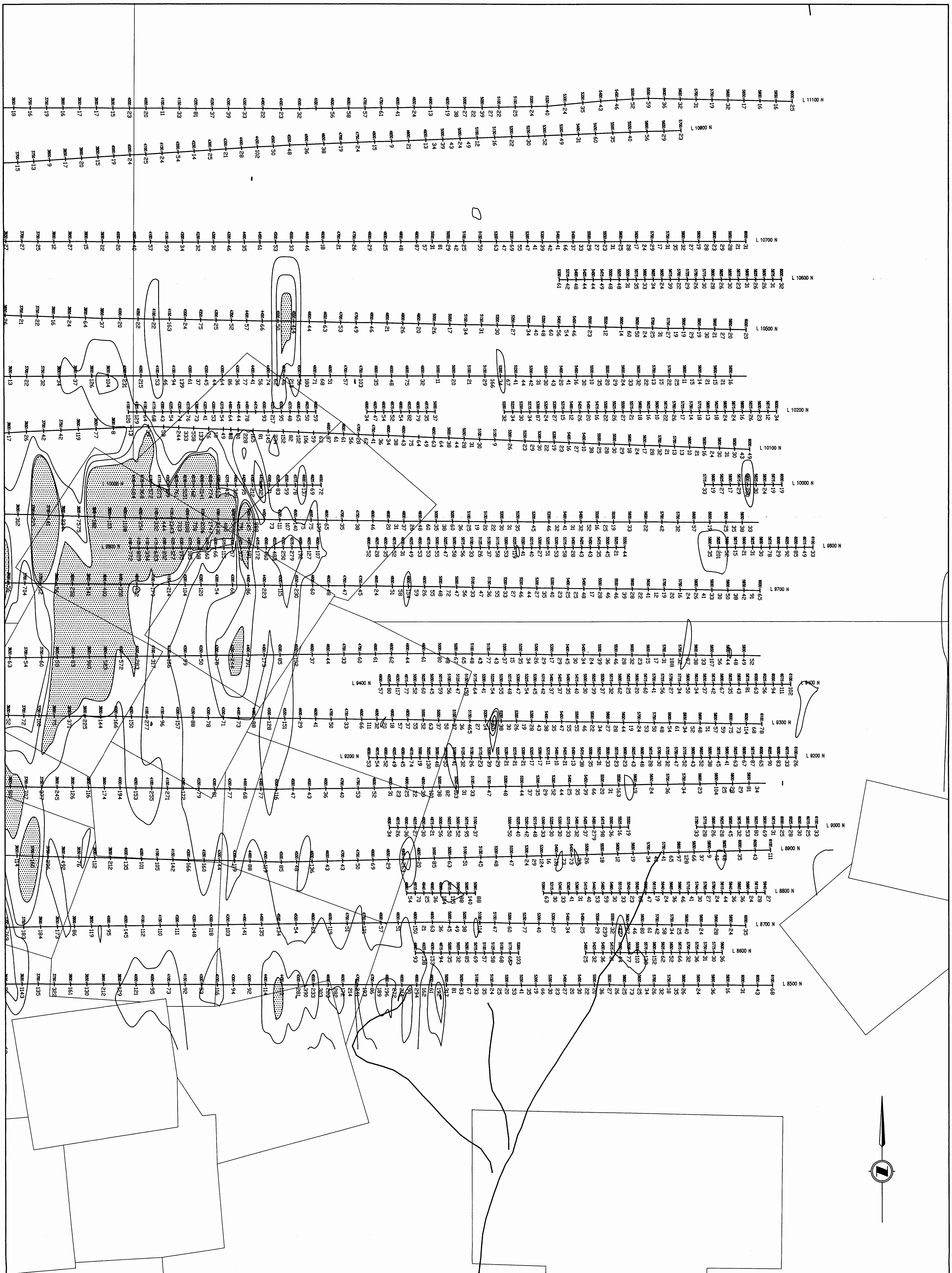
NELSON MINING DIVISION

Cu(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 25
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

L 11100 N
L 10900 N
L 10700 N
L 10600 N
L 10500 N
L 10400 N
L 10300 N
L 10200 N
L 10100 N
L 10000 N
L 9900 N
L 9800 N
L 9700 N
L 9500 N
L 9300 N
L 9100 N
L 9000 N
L 8900 N
L 8800 N
L 8700 N
L 8600 N
L 8500 N
L 8400 N
L 8300 N
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (100ppm INTERVAL) >300 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
JERSEY GRID (west)
NELSON MINING DIVISION
Cu(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 25B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
43.3 SAMPLE VALUE
WATER
CONTOUR (100ppm INTERVAL) >300 SHADED
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

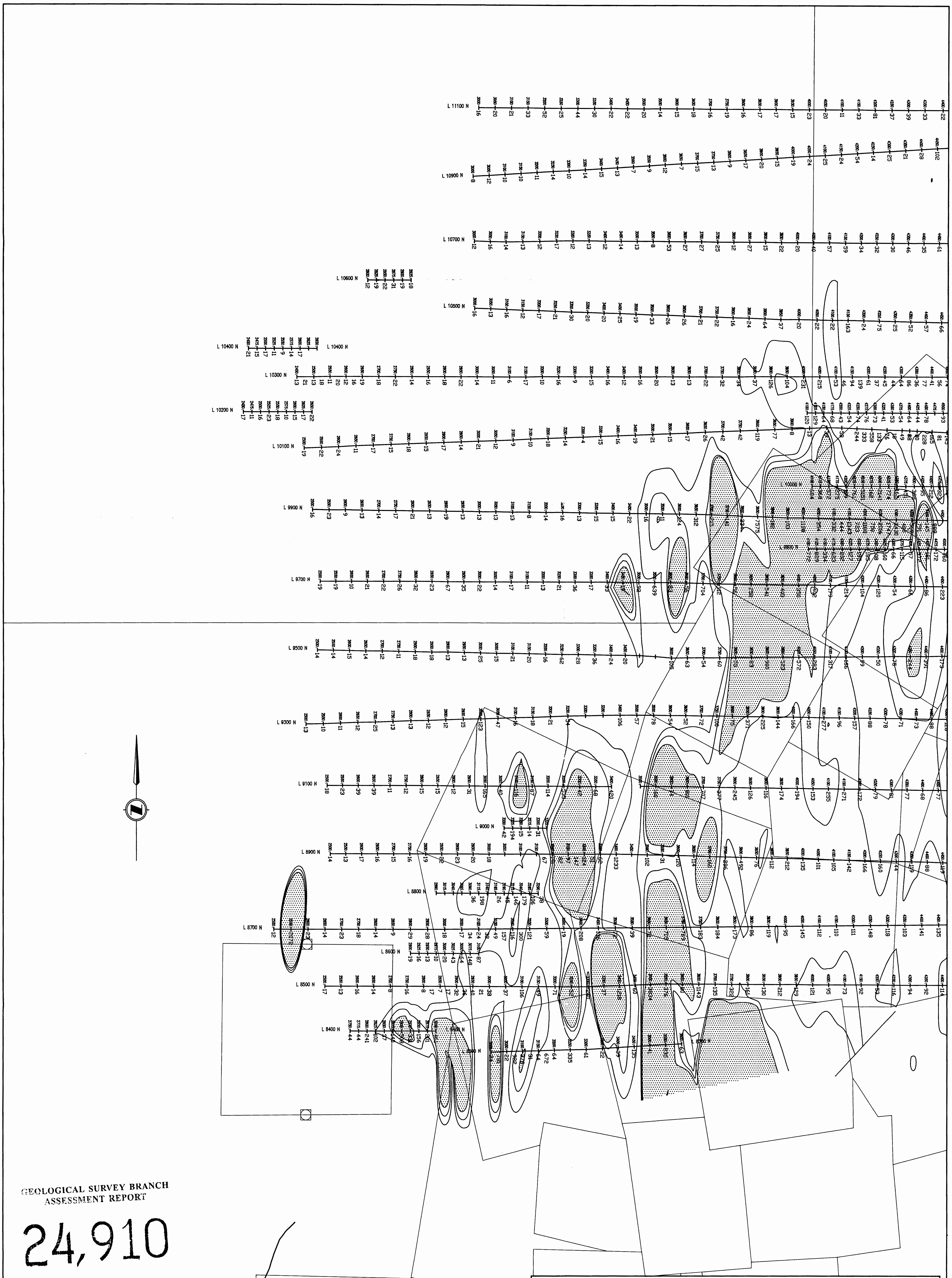
JERSEY GRID (east)

NELSON MINING DIVISION

Pb(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 26
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR (100ppm INTERVAL) >300 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

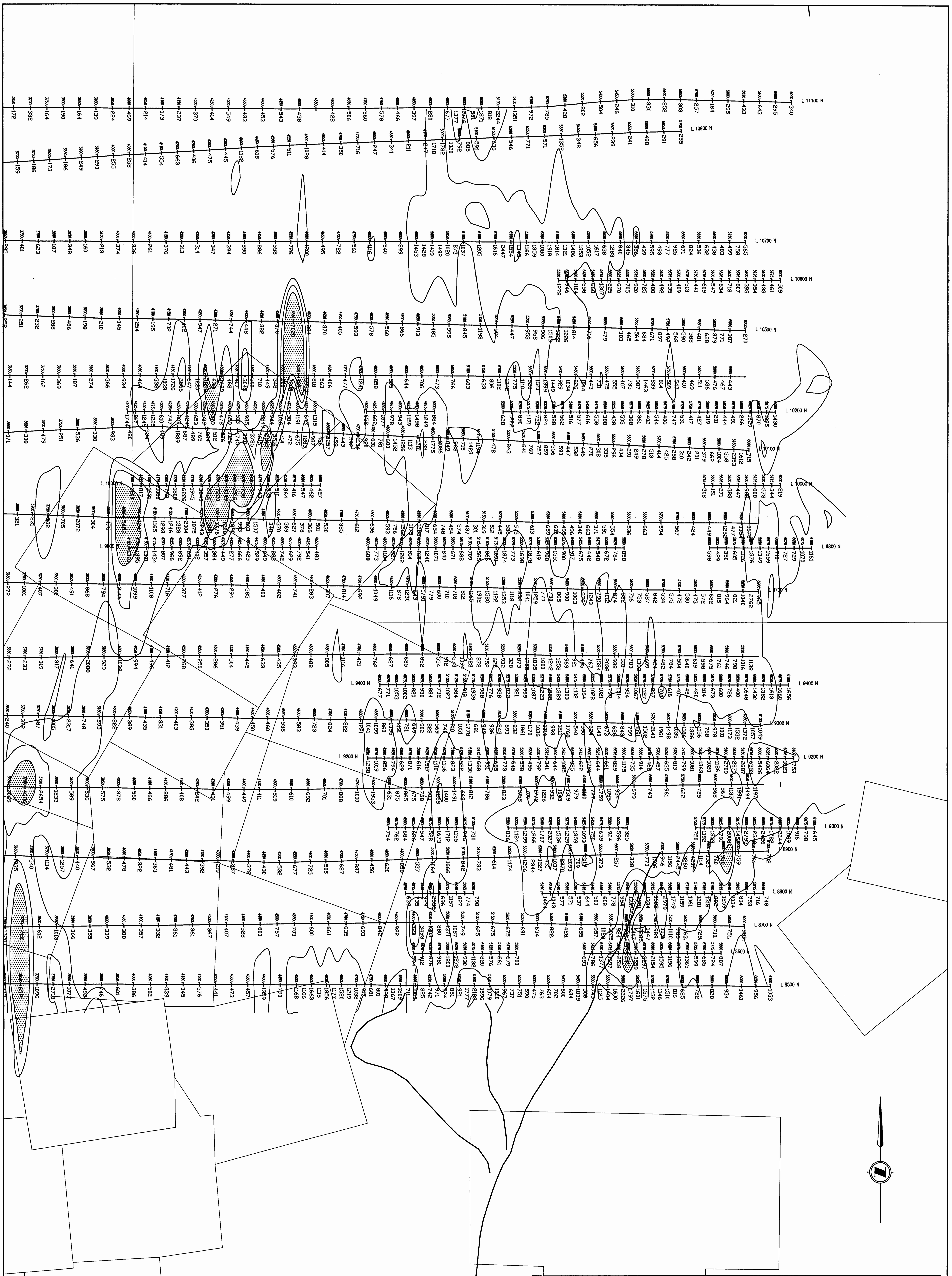
JERSEY GRID (west)

NELSON MINING DIVISION

Pb(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE ~~29B~~ 26B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

- SAMPLE LOCATIONS (EASTINGS)
- L 5200 N — GRID LINE LOCATION AND LABEL
- 43 — SAMPLE VALUE
- CONTOUR (1000ppm INTERVAL) >3000 SHADED
- WATER
- CLAIM POST
- CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

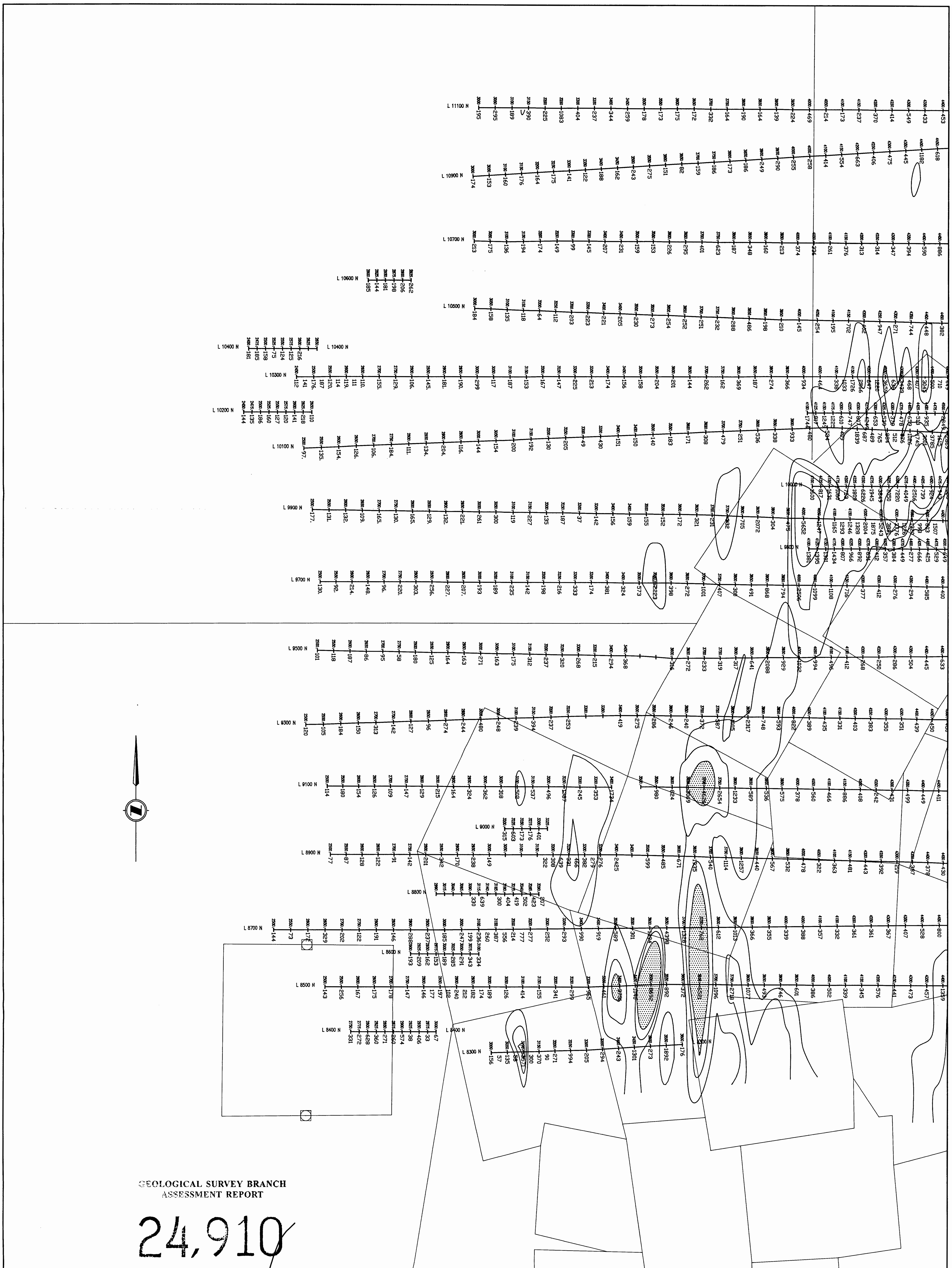
JERSEY GRID (east)

NELSON MINING DIVISION

Zn(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 27
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

- SAMPLE LOCATIONS (EASTINGS)
- L 5200 N — GRID LINE LOCATION AND LABEL
- <3 — SAMPLE VALUE
- CONTOUR (1000ppm INTERVAL) >3000 SHADED
- WATER
- CLAIM POST
- CLAIM LOCATION

SULTAN MINERALS INC.

JERSEY GRID (west)

NELSON MINING DIVISION

Zn(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 27B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

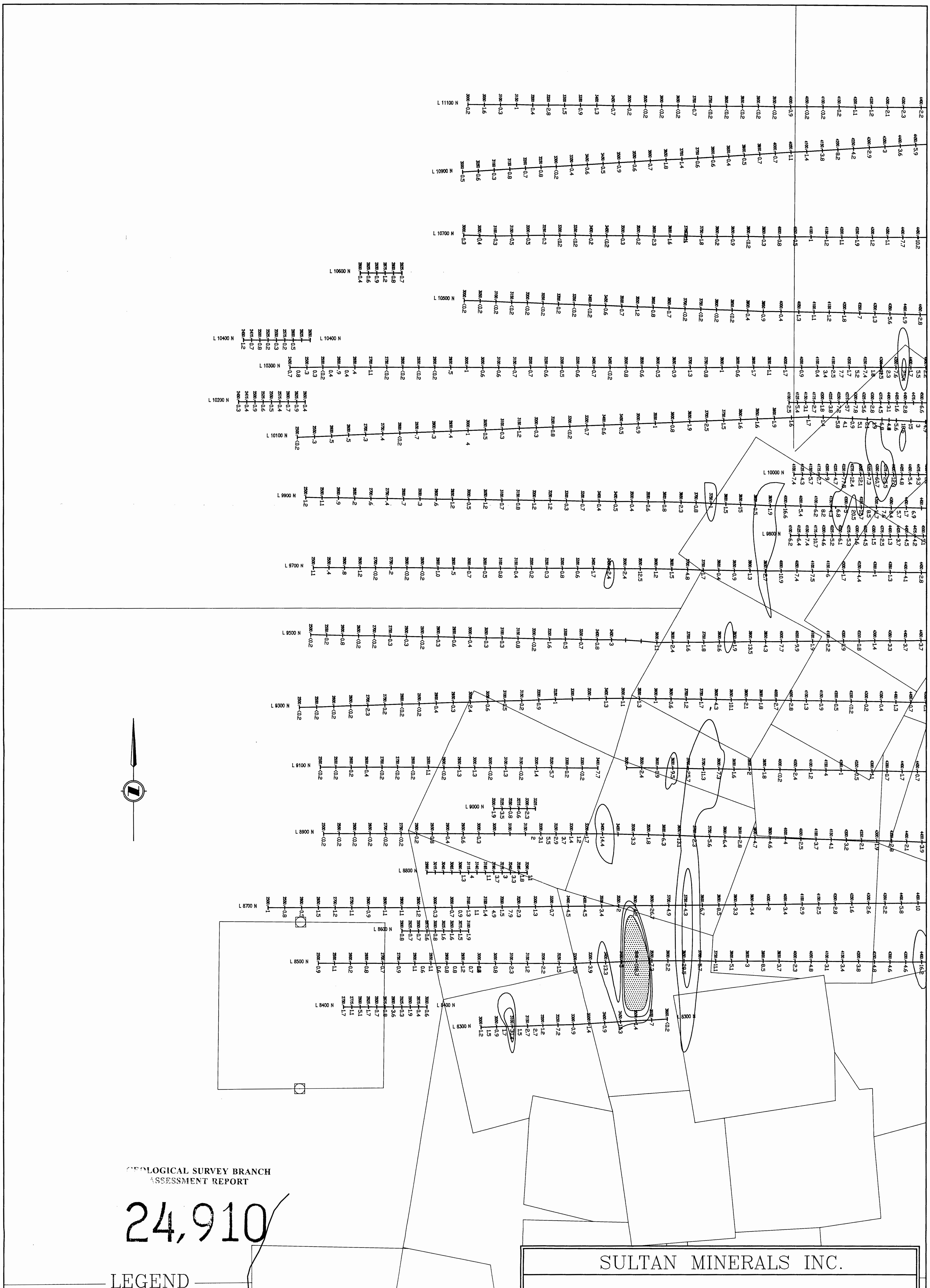
JERSEY GRID (east)

NELSON MINING DIVISION

Cd(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 28
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR (10ppm INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

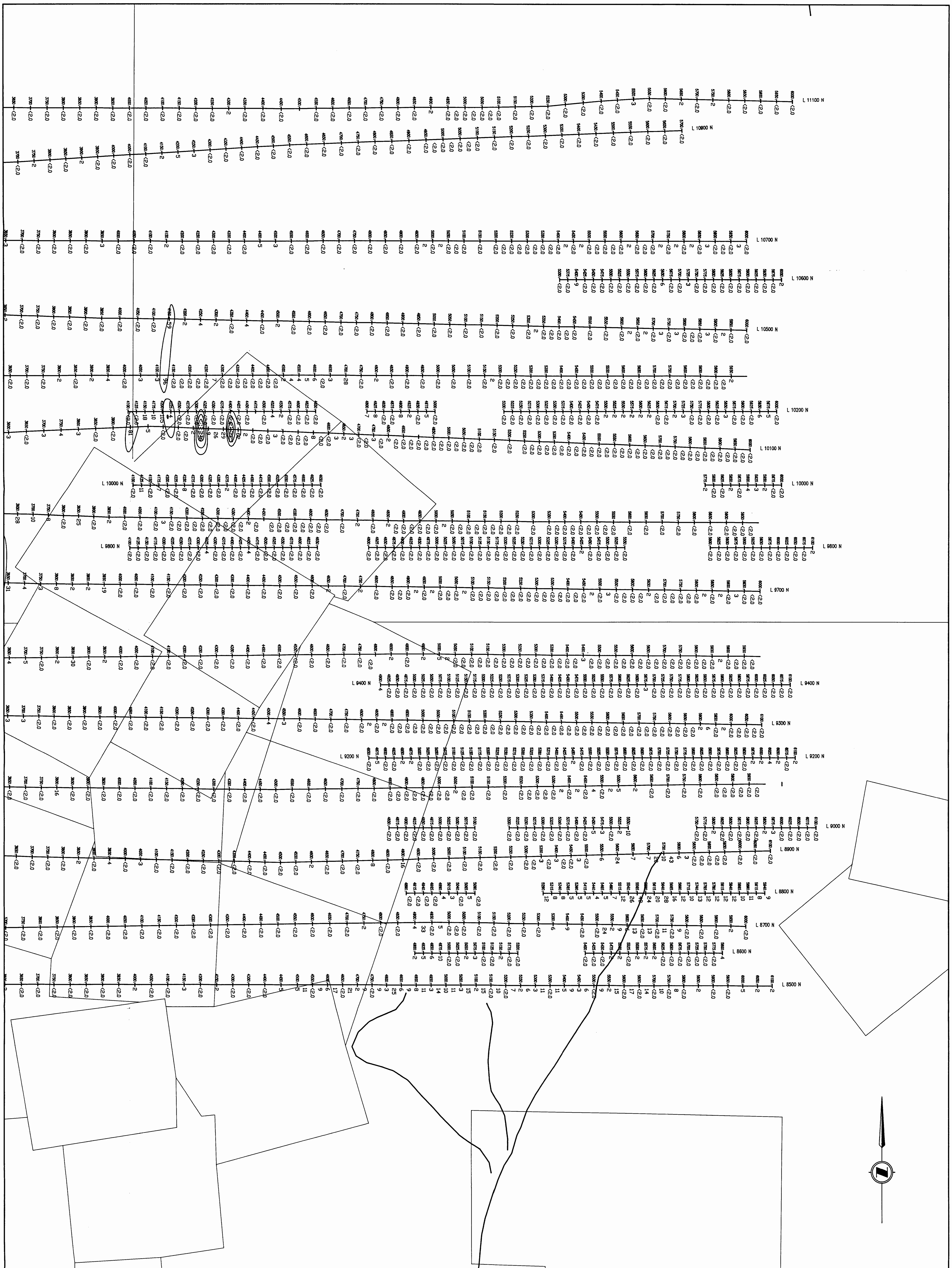
JERSEY GRID (west)

NELSON MINING DIVISION

Cd(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 28B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)

L 5200 N GRID LINE LOCATION AND LABEL

<3 SAMPLE VALUE

CONTOUR (50ppm INTERVAL) >150 SHADED

WATER

CLAIM POST

CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

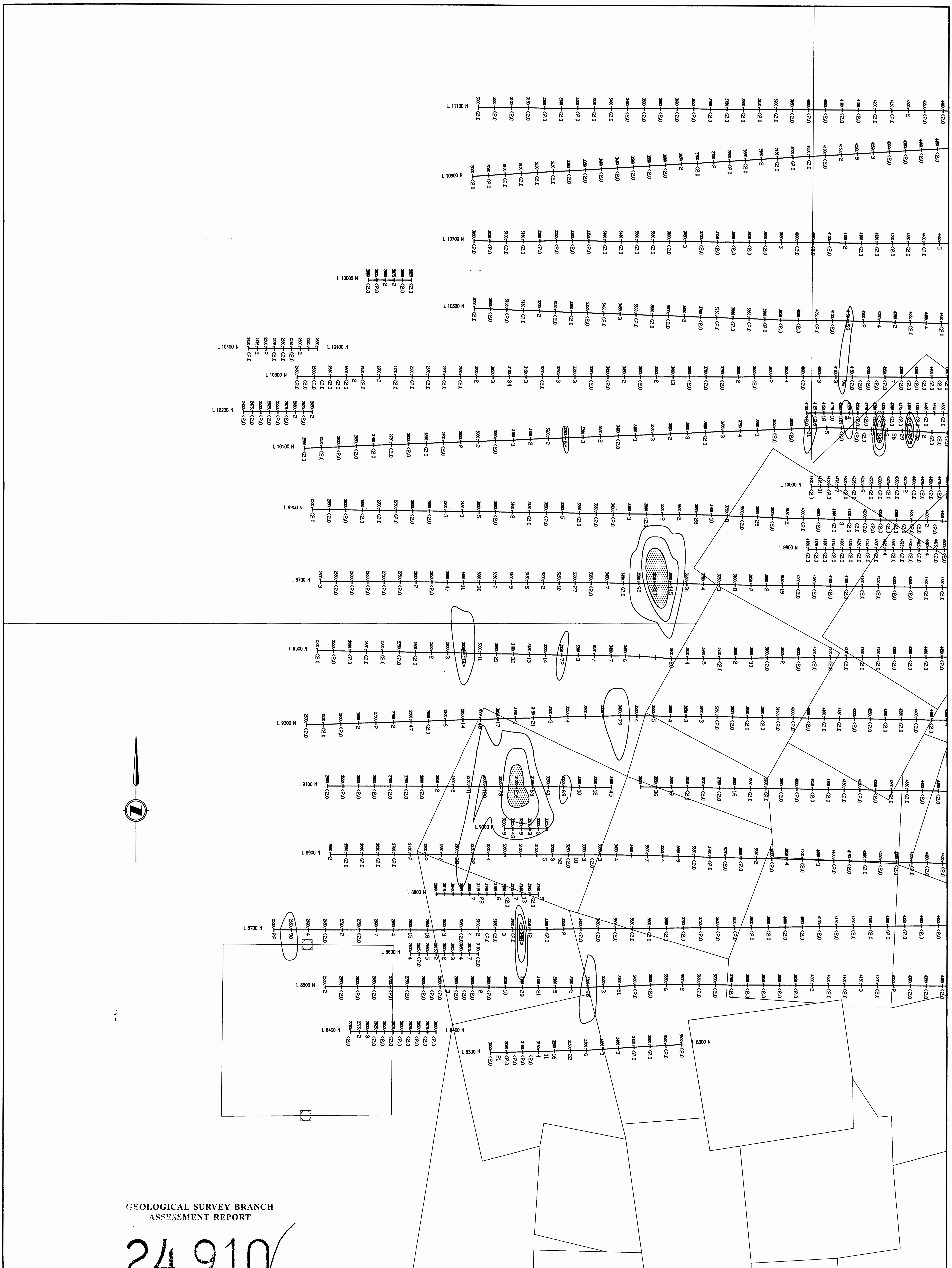
JERSEY GRID (east)

NELSON MINING DIVISION

W(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 29
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR (50ppm INTERVAL) >150 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

JERSEY GRID (west)

NELSON MINING DIVISION

W(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 29B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


SULTAN MINERALS INC.
JERSEY GRID (east)
NELSON MINING DIVISION
Mo(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 30
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (10ppm INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
L 11100 N
L 10900 N
L 10700 N
L 10600 N
L 10500 N
L 10200 N
L 10100 N
L 10000 N
L 9800 N
L 9700 N
L 9400 N
L 9300 N
L 9200 N
L 9000 N
L 8900 N
L 8800 N
L 8700 N
L 8600 N
L 8500 N

SULTAN MINERALS INC.

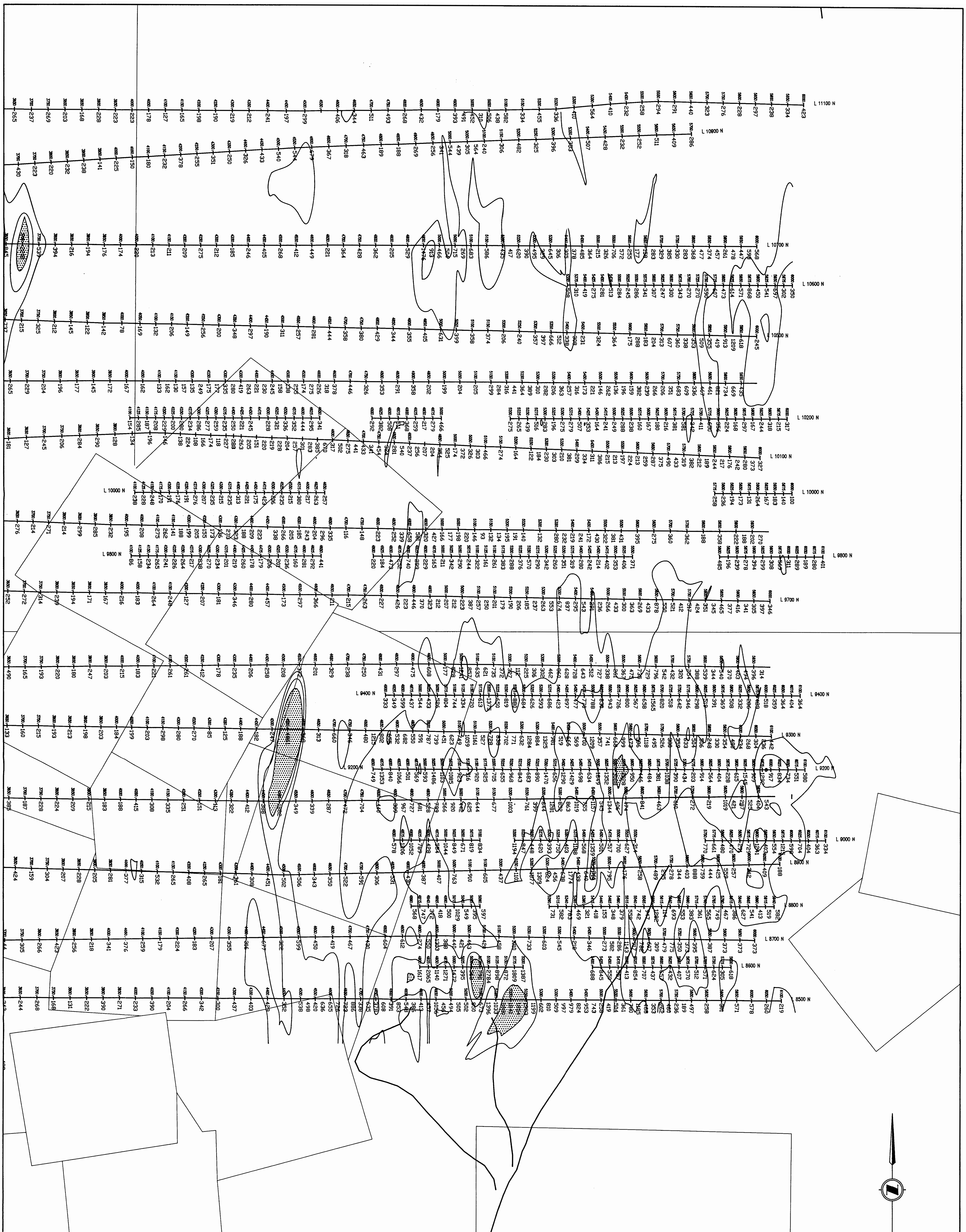
JERSEY GRID (west)

NELSON MINING DIVISION

Mo(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 30B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (500ppm INTERVAL) >1500 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

JERSEY GRID (east)

NELSON MINING DIVISION

Ba(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 31
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR
(500ppm INTERVAL)
>1500 SHADED
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
JERSEY GRID (west)
NELSON MINING DIVISION
Ba(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 31B
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

SULTAN MINERALS INC.
JERSEY PROJECT
1996
VOL. 3 OF 3

24910
PART 3 of 3

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LIME CREEK
L 8100 N
L 7900 N
L 7800 N
L 7700 N
L 7600 N
L 7500 N
L 7400 N
L 7300 N
L 7200 N
L 7100 N
L 7000 N
L 6900 N
L 6800 N
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR
(1ppm INTERVAL)
>3 SHADED
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
TUNGSTEN KING GRID
NELSON MINING DIVISION
Ag(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE ~~36~~ 33
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LIME CREEK
L 8100 N
L 7900 N
L 7800 N
L 7700 N
L 7600 N
L 7500 N
L 7400 N
L 7300 N
L 7200 N
L 7100 N
L 7000 N
L 6900 N
L 6800 N
LEGEND
SAMPLE LOCATIONS (EASTINGS)
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(50ppb INTERVAL)
>150 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
TUNGSTEN KING GRID
NELSON MINING DIVISION
As(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 34
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
L 8100 N
L 7900 N
L 7800 N
L 7700 N
L 7600 N
L 7500 N
L 7400 N
L 7300 N
L 7200 N
L 7100 N
L 7000 N
L 6900 N
L 6800 N
LIME CREEK
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
63 SAMPLE VALUE
CONTOUR
(100ppm INTERVAL)
>300 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
TUNGSTEN KING GRID
NELSON MINING DIVISION
Pb(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE ~~38~~ 35
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LIME CREEK
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(1000ppm INTERVAL)
>3000 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
TUNGSTEN KING GRID
NELSON MINING DIVISION
Zn(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 36
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR (10ppm INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

TUNGSTEN KING GRID

NELSON MINING DIVISION

Cd(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 37
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

SULTAN MINERALS INC.

TUNGSTEN KING GRID

NELSON MINING DIVISION

W(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 38
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LIME CREEK
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR (500ppm INTERVAL) >1500 SHADED
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
TUNGSTEN KING GRID
NELSON MINING DIVISION
Ba(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 39
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


WILSON CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
SULTAN MINERALS INC.
POSIE / TRUMAN HILL GRID
NELSON MINING DIVISION
Au VALUES AND CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 40
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(10ppb INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
L 6900 N
L 6700 N
L 6500 N
L 6400 N
L 6300 N
L 6100 N
L 5900 N
L 5800 N
L 5700 N
L 5600 N
L 5500 N
L 5400 N
L 5300 N
L 5200 N
L 5100 N
L 4900 N
L 4700 N
L 4500 N

SULTAN MINERALS INC.

POSIE / TRUMAN HILL GRID

NELSON MINING DIVISION

Ag VALUES AND CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 41
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000

SULTAN MINERALS INC.

POSIE / TRUMAN HILL GRID

NELSON MINING DIVISION

Cu VALUES AND CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 42
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000

WILSON CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N
GRID LINE LOCATION AND LABEL
<3
SAMPLE VALUE
CONTOUR
(100ppm INTERVAL)
>300 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
POSIE / TRUMAN HILL GRID
NELSON MINING DIVISION
Pb VALUES AND CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 43
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000

LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (1000ppm INTERVAL) >3000 SHADED
WATER
CLAIM POST
CLAIM LOCATION

SULTAN MINERALS INC.

POSIE / TRUMAN HILL GRID

NELSON MINING DIVISION

Zn VALUES AND CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 44
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000


WILSON CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR (10ppm INTERVAL) >30 SHADED
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
POSIE / TRUMAN HILL GRID
NELSON MINING DIVISION
Cd VALUES AND CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 45
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000


WILSON CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(10ppm INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
POSIE / TRUMAN HILL GRID
NELSON MINING DIVISION
Mo VALUES AND CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE 46
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000

SULTAN MINERALS INC.

POSIE / TRUMAN HILL GRID

NELSON MINING DIVISION

Ba VALUES AND CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 47
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5 000


L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
HEDGEHOG CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR
(10ppb INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Au(ppb) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 48
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


HEDGEHOG CREEK
L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<0.3 SAMPLE VALUE
CONTOUR
(1m INTERVAL)
>3 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Ag(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 49
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

SULTAN MINERALS INC.

SALMO CONSOLIDATED GRID

NELSON MINING DIVISION

Cu(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

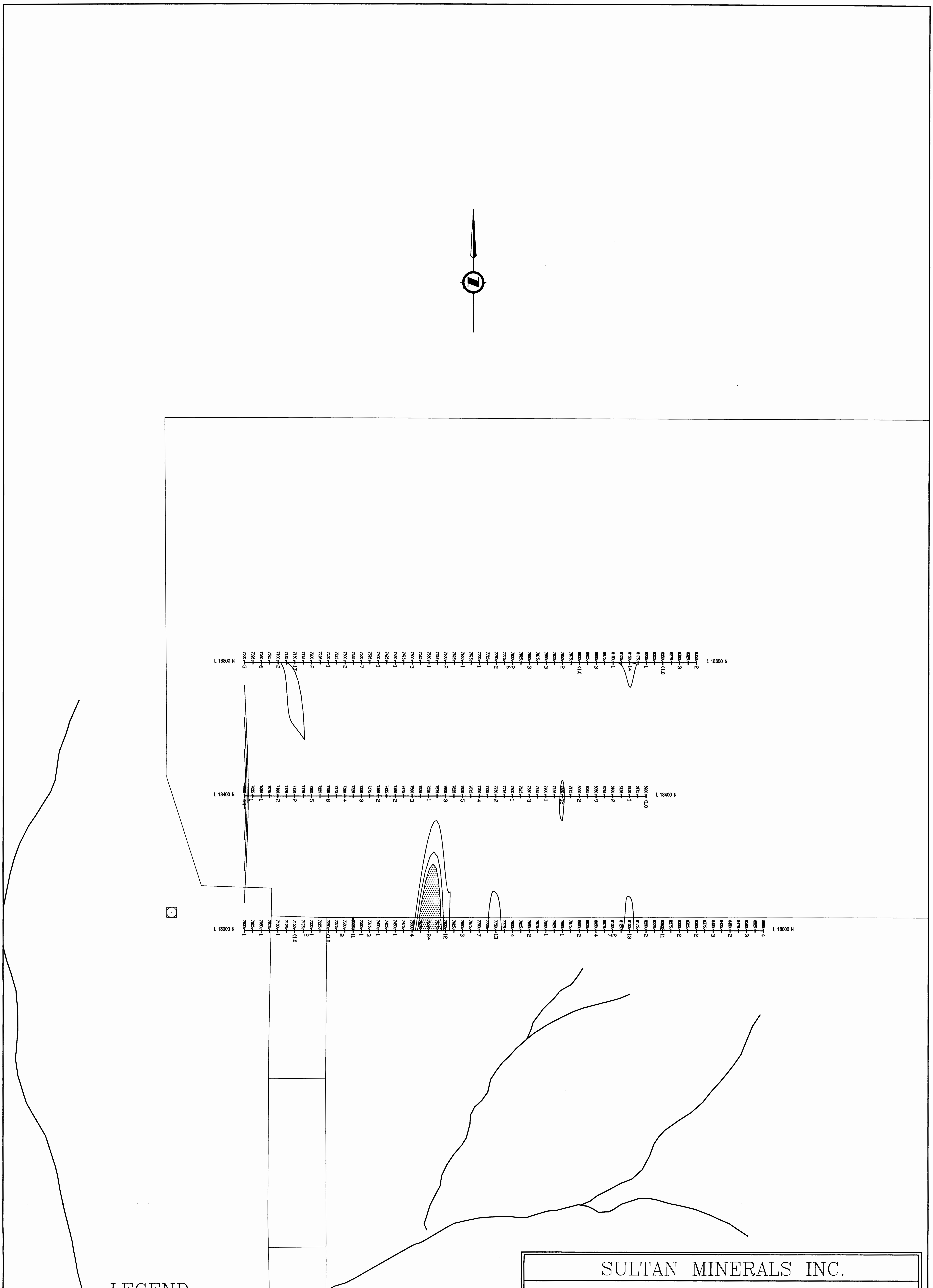
FIGURE 50
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
HEDGEHOG CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(100ppm INTERVAL)
>300 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Pb(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 51
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000

L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
HEDGEHOG CREEK
N
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(1000ppm INTERVAL)
>3000 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Zn(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 52
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
HEDGEHOG CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(10ppm INTERVAL)
>30 SHADED
WATER
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Cd(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 53
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


L 16900 N
L 16500 N
L 16100 N
L 15900 N
L 15700 N
L 15500 N
L 15300 N
L 14900 N
L 14500 N
HEDGEHOG CREEK
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR
(10ppm INTERVAL)
>30 SHADED
CLAIM POST
CLAIM LOCATION
SULTAN MINERALS INC.
SALMO CONSOLIDATED GRID
NELSON MINING DIVISION
Mo(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 54
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (10ppb INT.) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

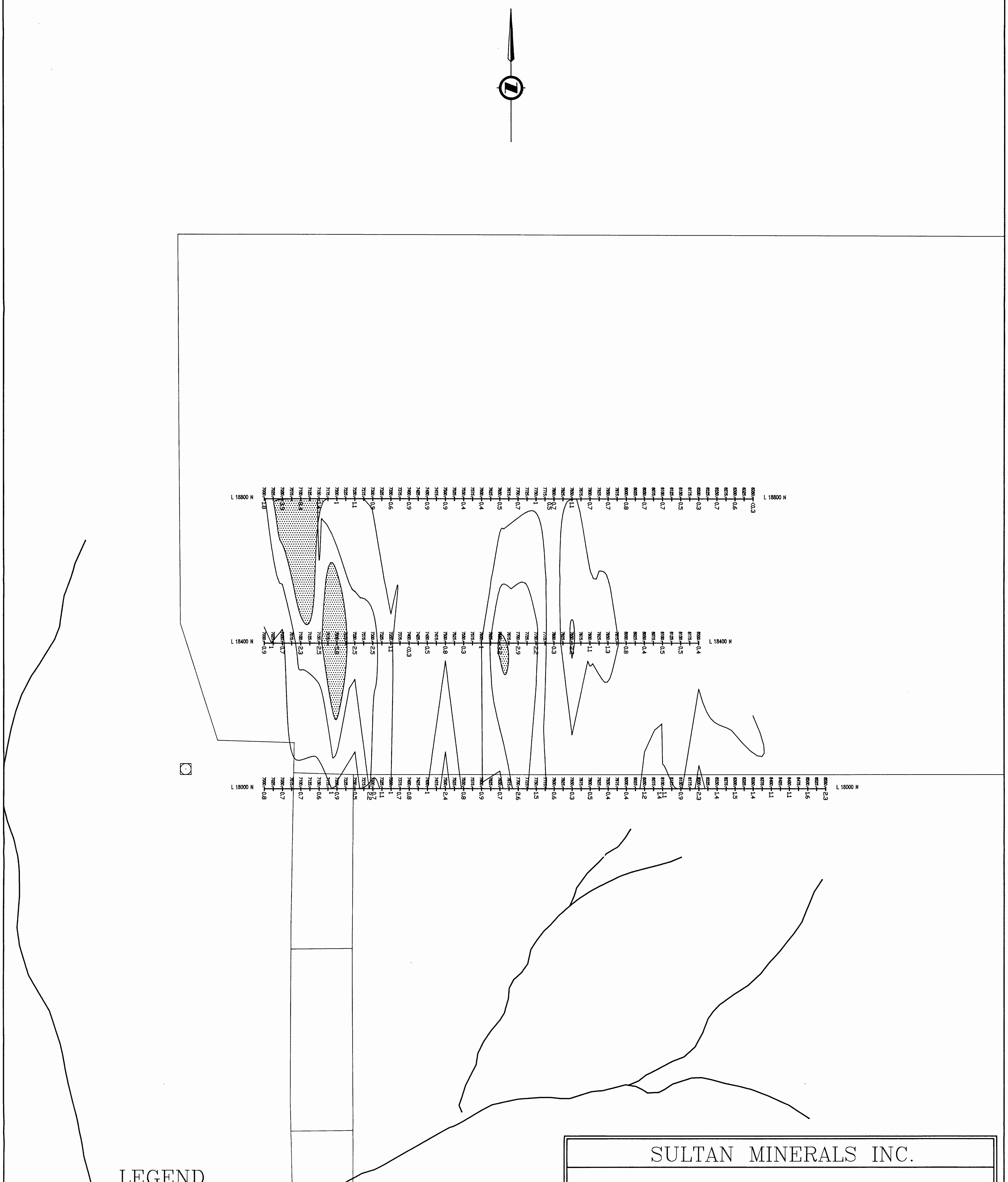
ASPEN GRID

NELSON MINING DIVISION

Au(ppb) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE: 55
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<0.3 SAMPLE VALUE
CONTOUR (1ppm INT.) >3 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

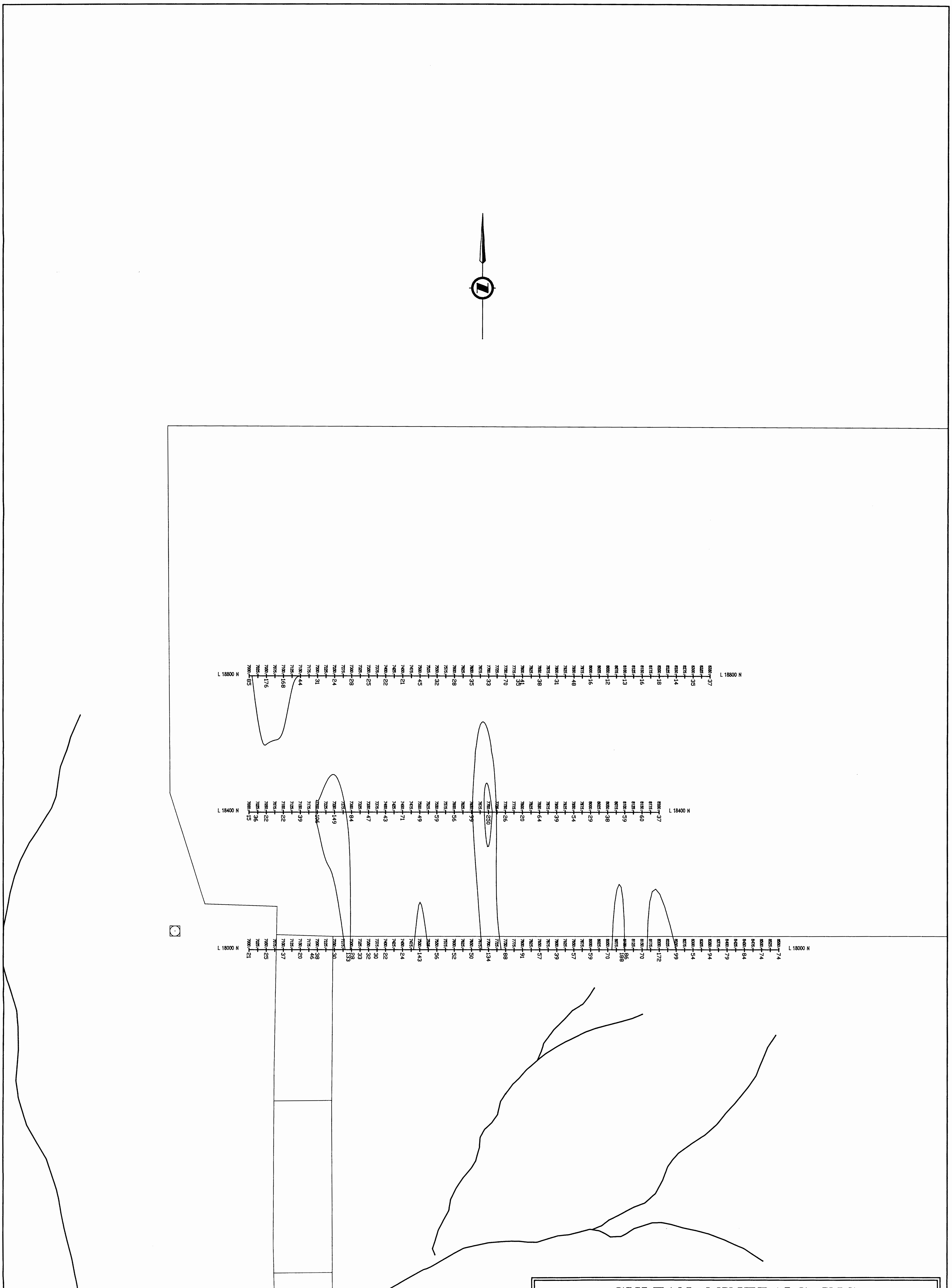
ASPEN GRID

NELSON MINING DIVISION

Ag(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE: 56
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (100ppm INT.) >300 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

ASPEN GRID

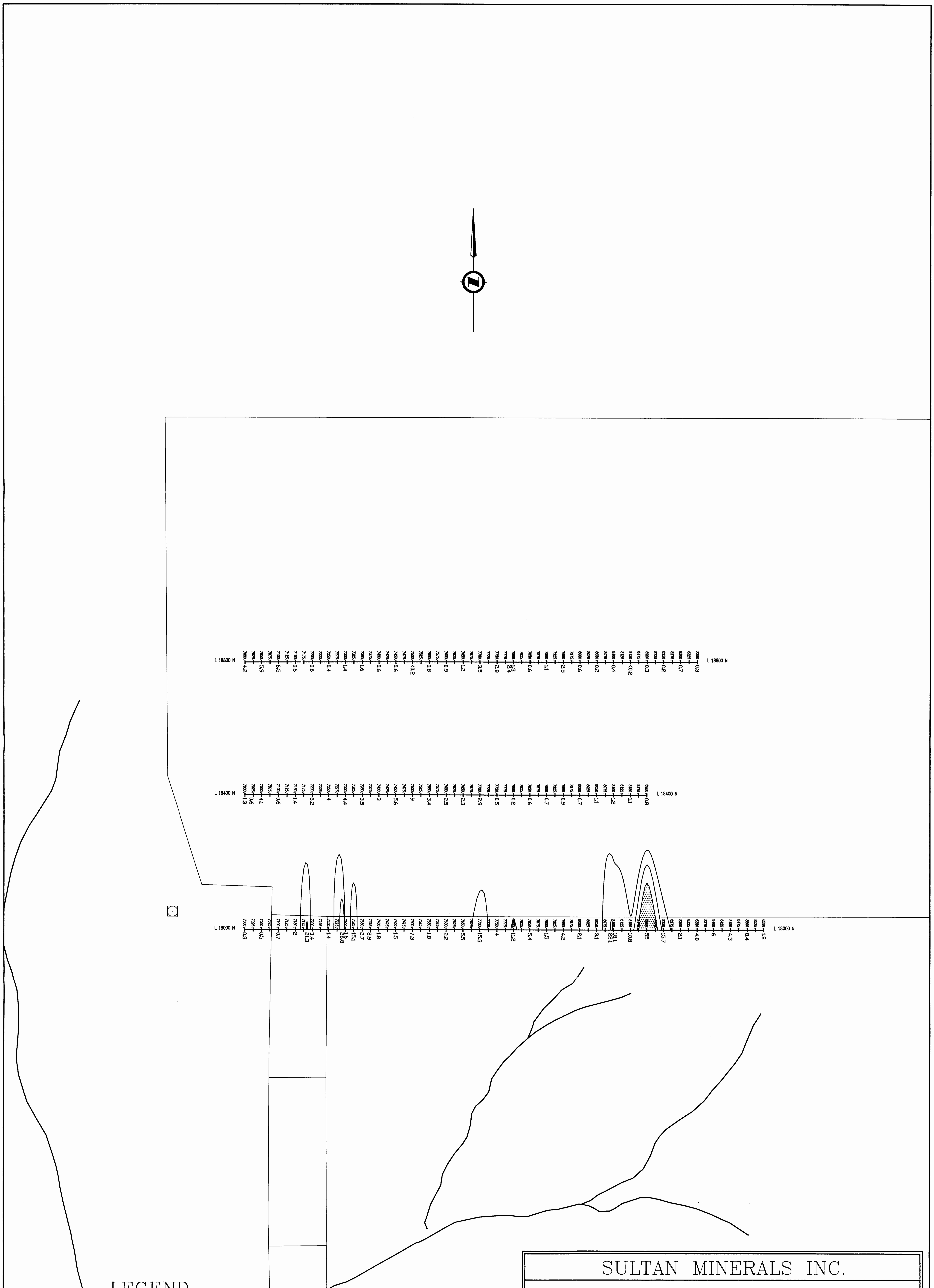
NELSON MINING DIVISION

Cu(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE: 57
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000


L 18800 N
L 18400 N
L 18000 N
LEGEND
SAMPLE LOCATIONS (EASTINGS)
L 5200 N
GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR
(1000ppm INT.)
>3000 SHADED
WATER
CLAIM POST
CLAIM LOCATION
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,910
SULTAN MINERALS INC.
ASPEN GRID
NELSON MINING DIVISION
Zn(ppm) VALUES & CONTOURS
BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 58
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<3 SAMPLE VALUE
CONTOUR (10ppm INT.) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

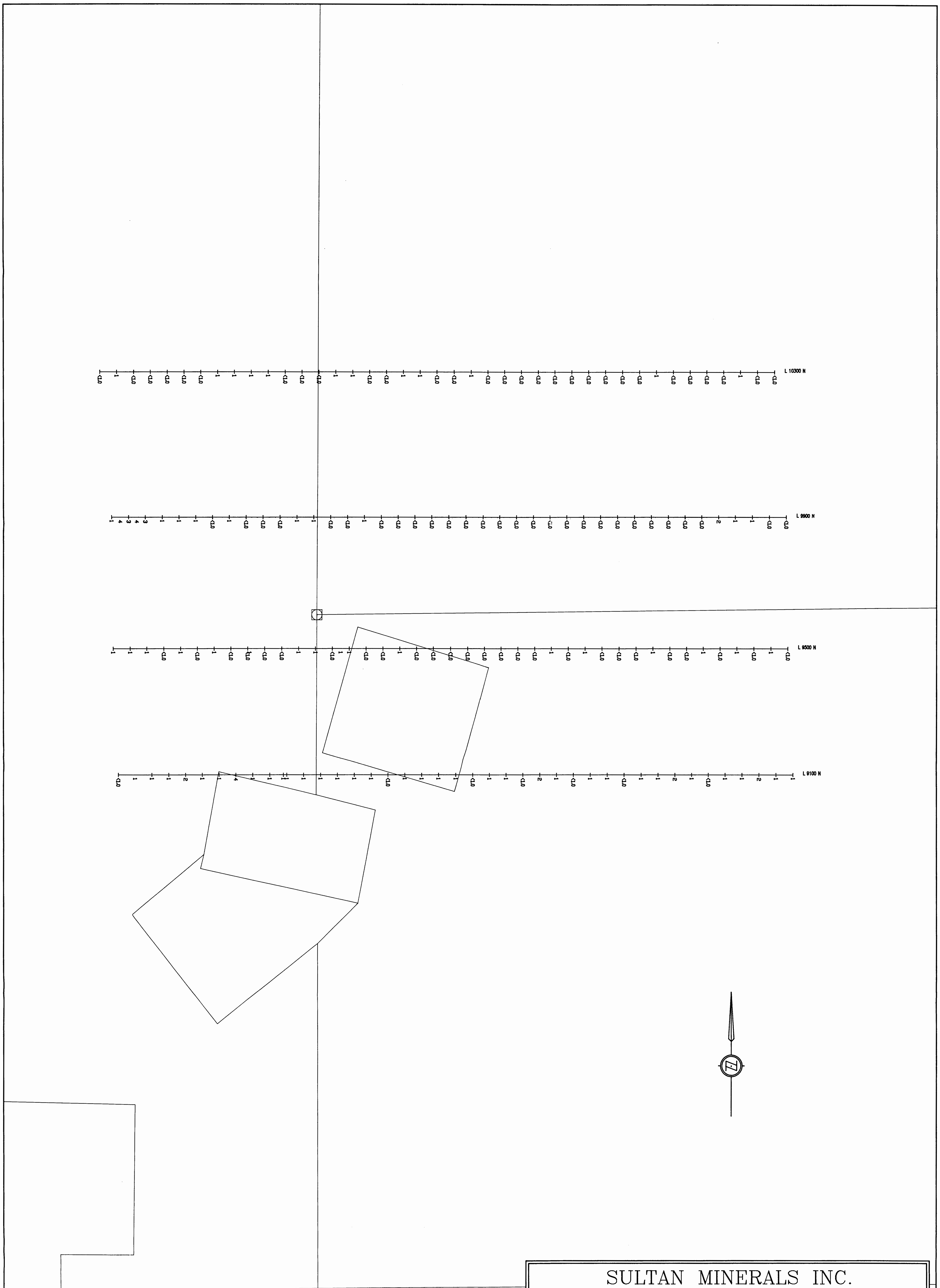
SULTAN MINERALS INC.

ASPEN GRID

NELSON MINING DIVISION

Cd(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.
FIGURE: 59
DATE: FEBRUARY 13, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (10ppb INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

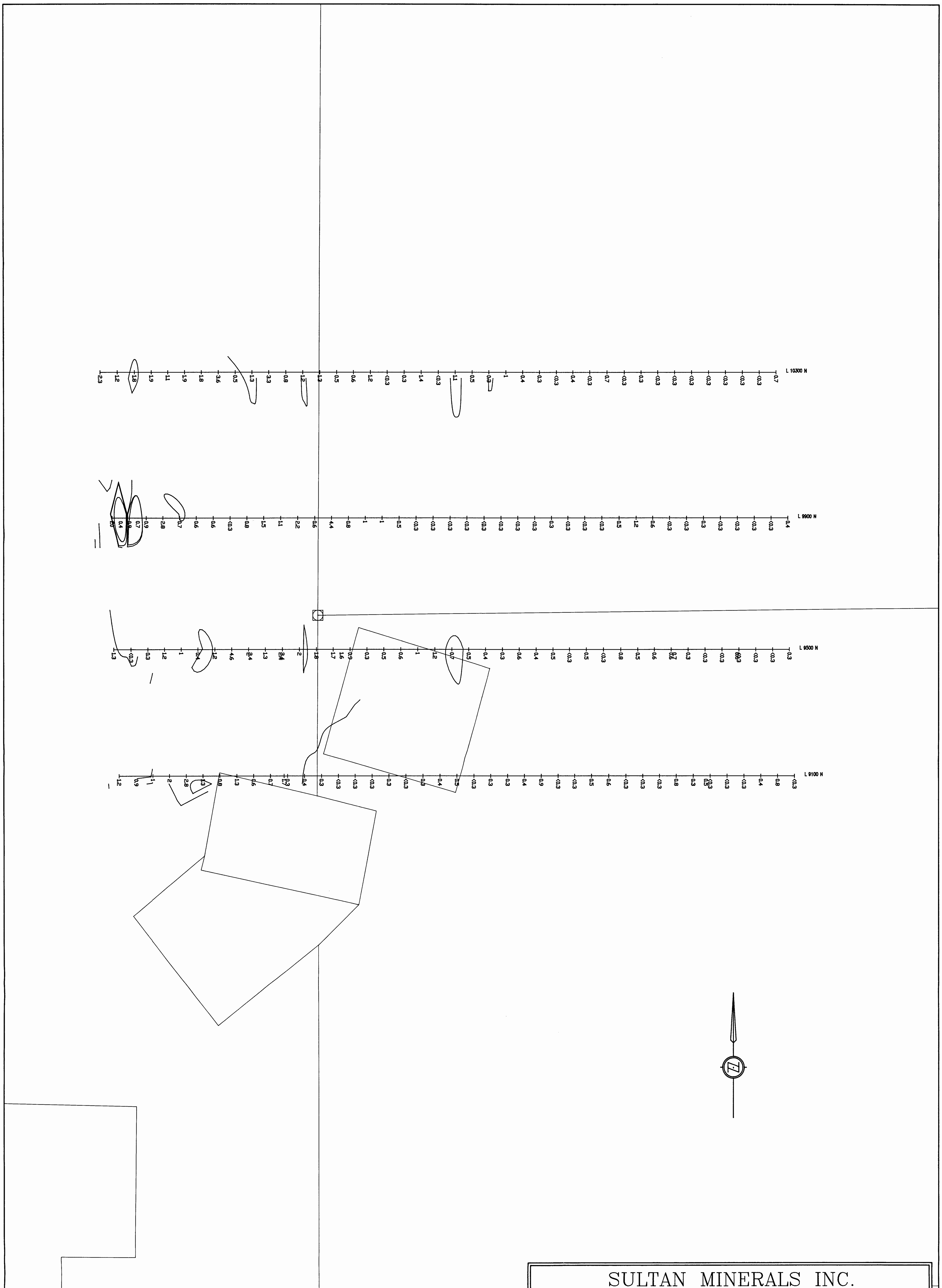
SULTAN MINERALS INC.

JERSEY EXTENSION GRID

NELSON MINING DIVISION

Au(ppb) VALUES & CONTOURS

BY: L.D.	FIGURE 60
DERIVED FROM MAP 82F/03	DATE: FEBRUARY 21, 1997
DRAWN BY: A.D.W. ENGINEERING LTD.	SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
<0.3 SAMPLE VALUE
WATER
CONTOUR (1ppm INTERVAL) >3 SHADED
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

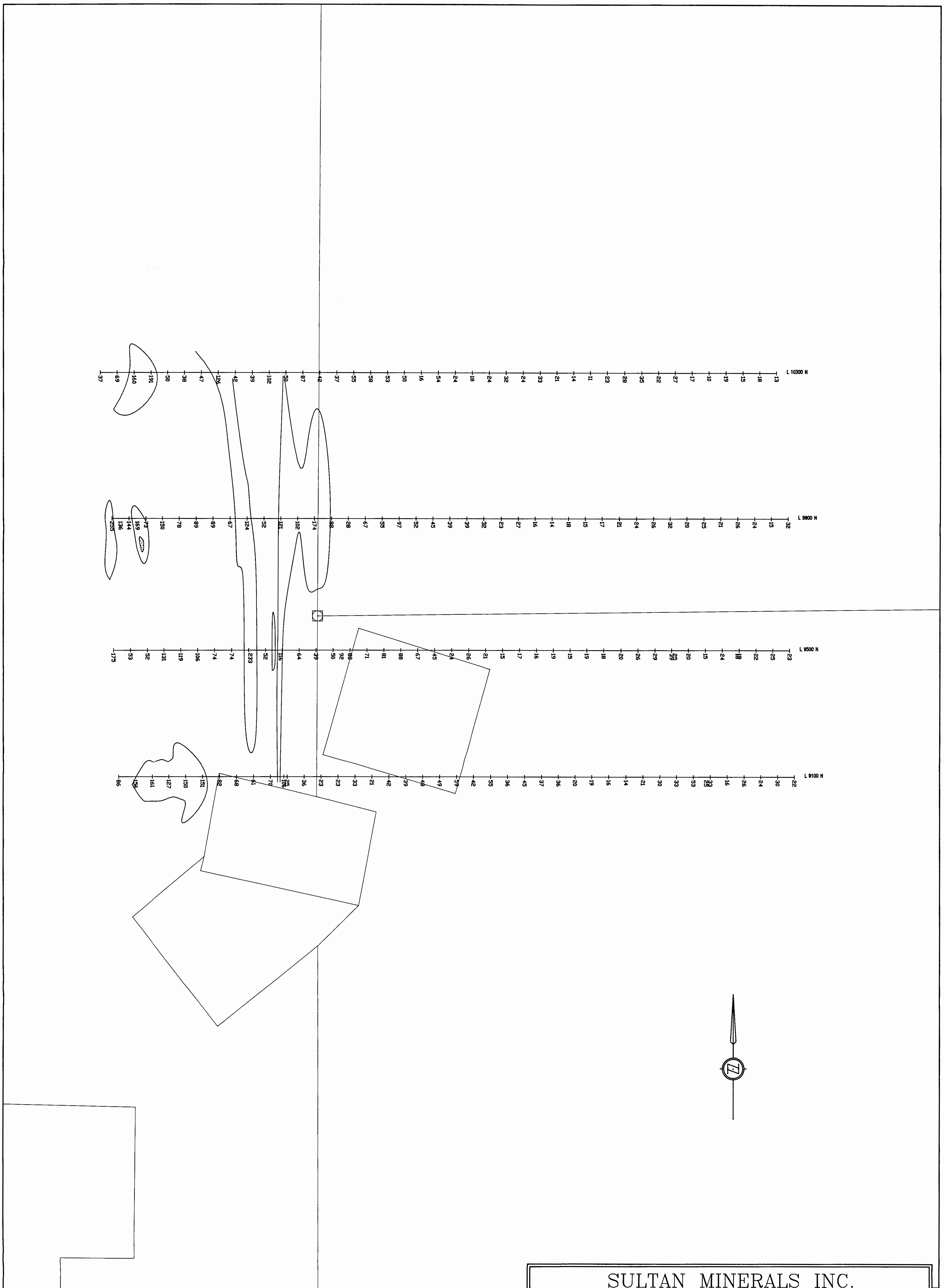
JERSEY EXTENSION GRID

NELSON MINING DIVISION

AG(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 61
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)

L 5200 N GRID LINE LOCATION AND LABEL

SAMPLE VALUE

WATER

CONTOUR (100ppm INTERVAL) >300 SHADED

CLAIM POST

CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

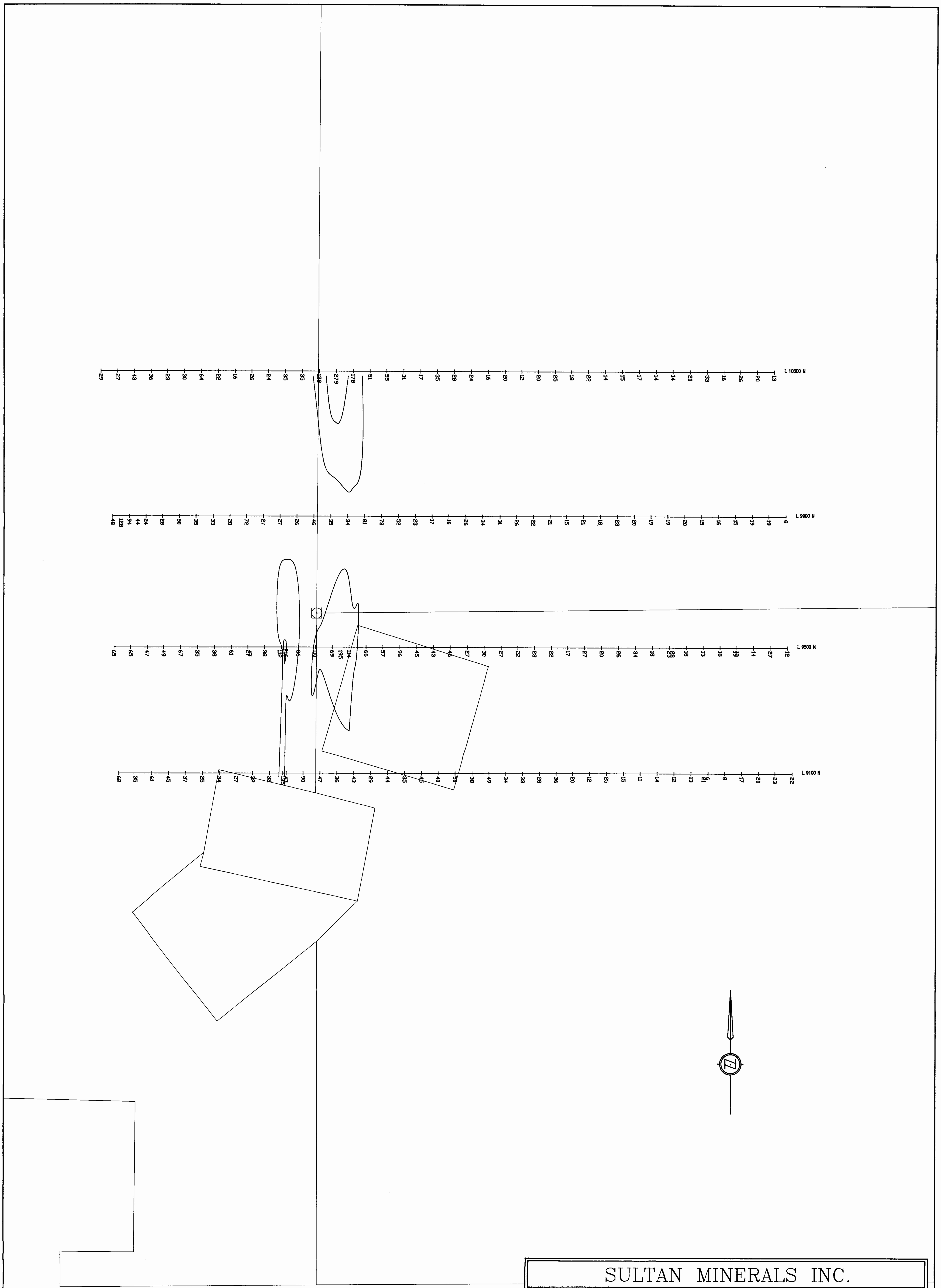
JERSEY EXTENSION GRID

NELSON MINING DIVISION

Cu(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 62
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
63 SAMPLE VALUE
CONTOUR (100ppm INTERVAL) >300 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

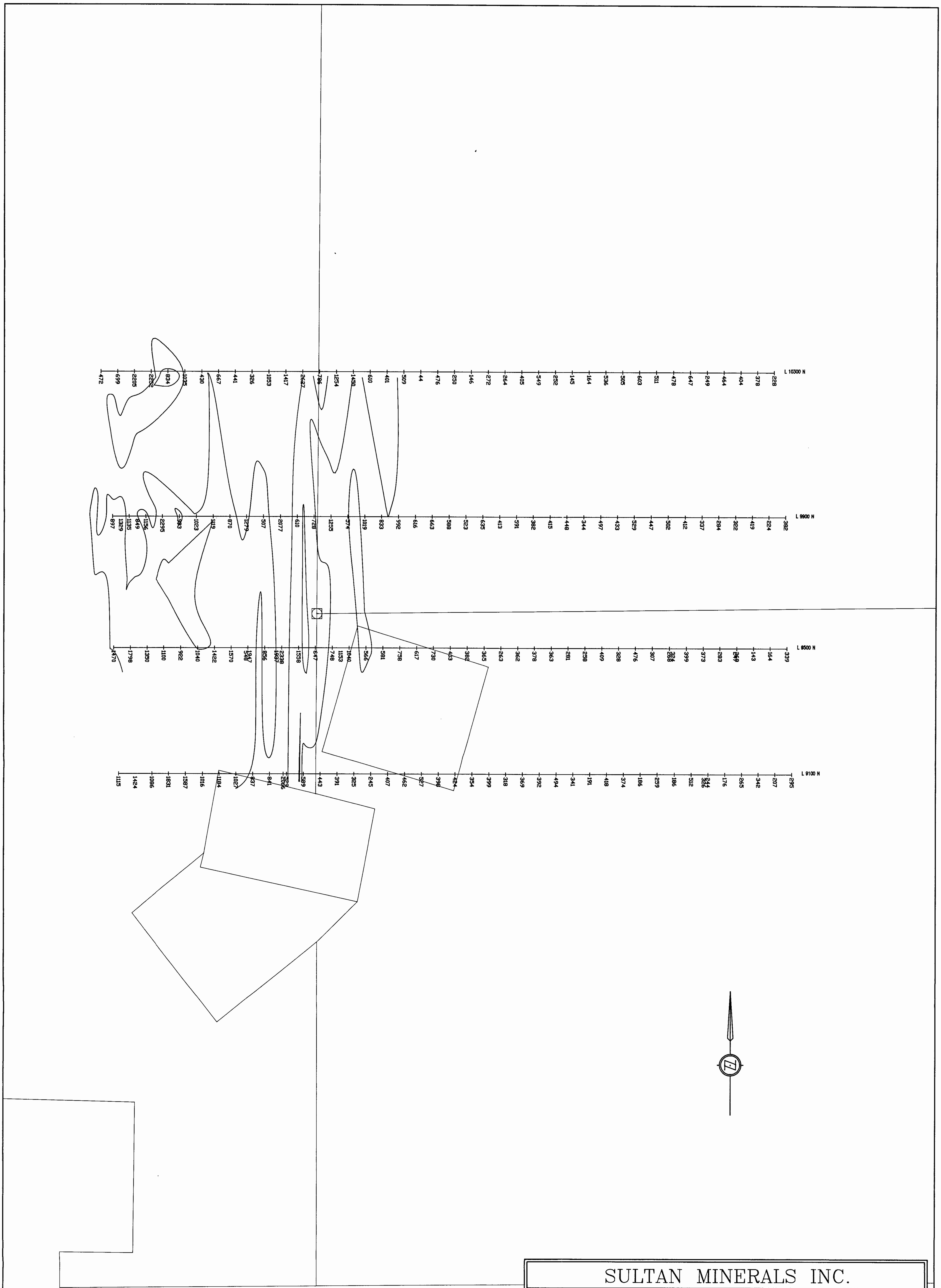
JERSEY EXTENSION GRID

NELSON MINING DIVISION

Pb(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 63
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
WATER
CONTOUR (1000ppm INTERVAL) >3000 SHADED
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

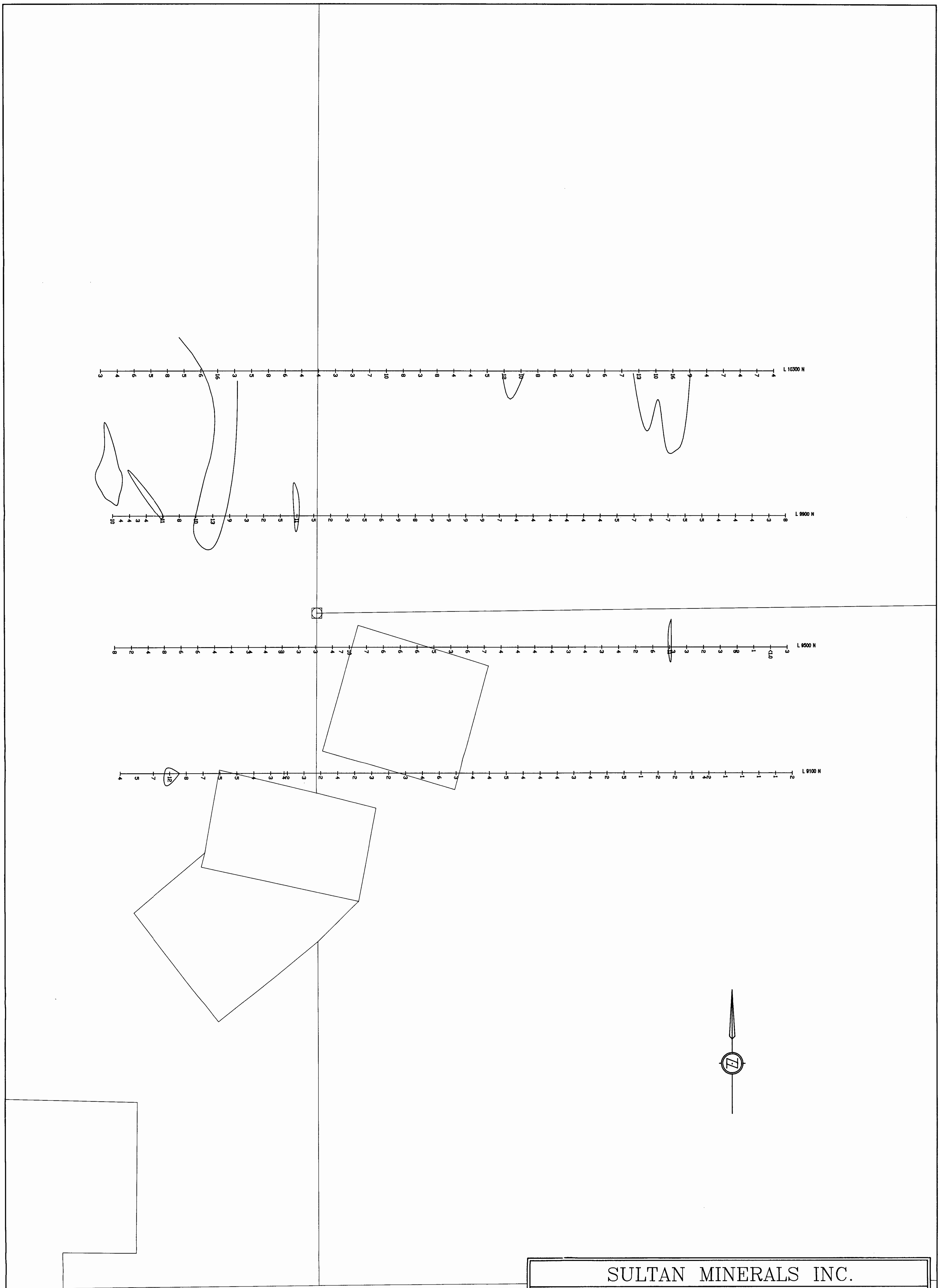
JERSEY EXTENSION GRID

NELSON MINING DIVISION

Zn(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 64
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5000



LEGEND

SAMPLE LOCATIONS (EASTINGS)
L 5200 N GRID LINE LOCATION AND LABEL
SAMPLE VALUE
CONTOUR (10ppm INTERVAL) >30 SHADED
WATER
CLAIM POST
CLAIM LOCATION

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

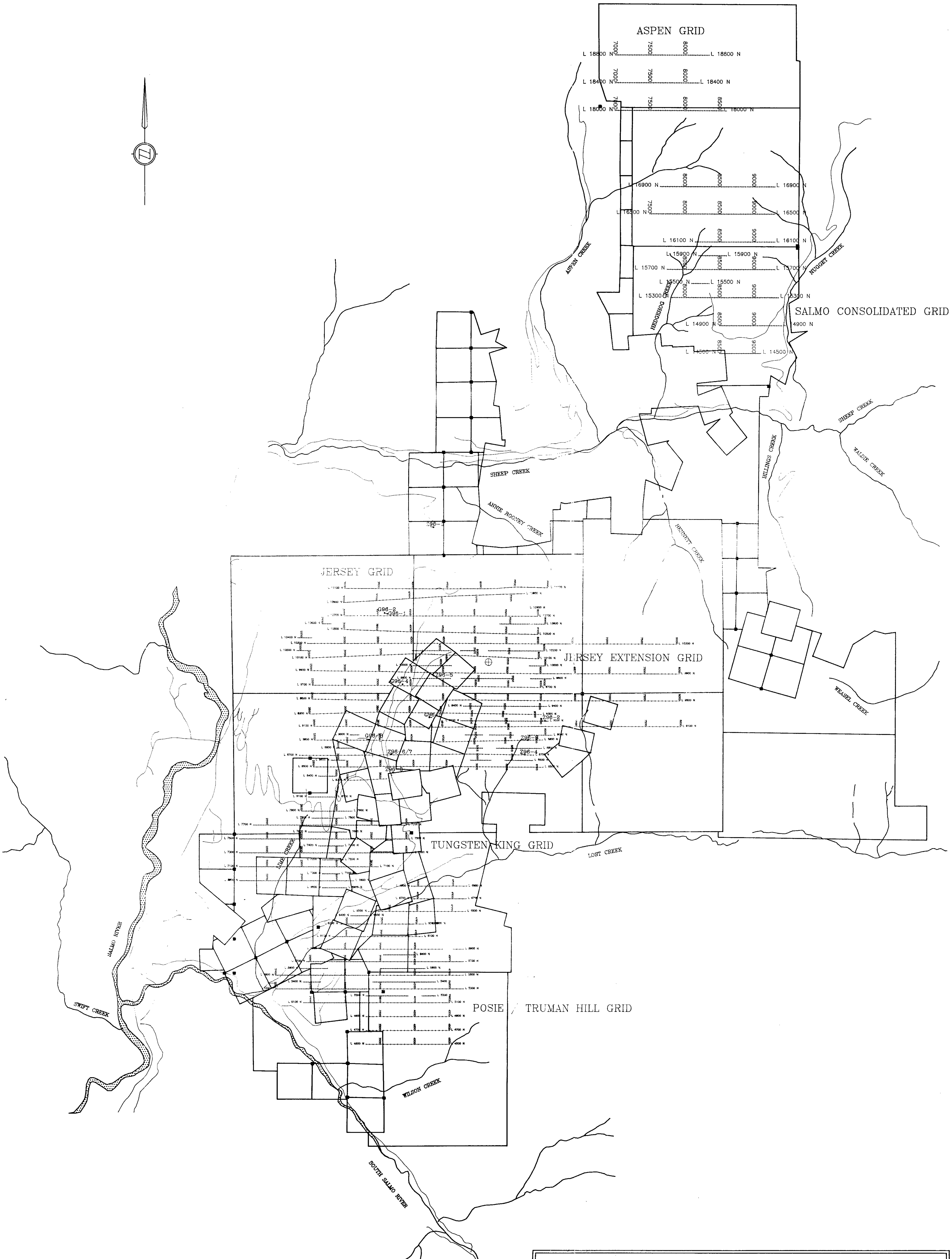
JERSEY EXTENSION GRID

NELSON MINING DIVISION

Mo(ppm) VALUES & CONTOURS

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 65
DATE: FEBRUARY 21, 1997
SCALE = 1 : 5000



CLAIM LOCATION

CLAIM POST

GRID LINE LOCATION AND LABEL

EASTING, MARKED EVERY 5+00m

ROADWAYS

WATER

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,910

SULTAN MINERALS INC.

JERSEY PROJECT

NELSON MINING DIVISION

SURFACE DIAMOND DRILL HOLES
LOCATION MAP

BY: L.D.
DERIVED FROM MAP 82F/03
DRAWN BY: A.D.W. ENGINEERING LTD.

FIGURE 67
DATE: FEBRUARY 27, 1997
SCALE = 1 : 25 000