



0104	93
FILE NO.	

**REPORT ON PHASE I  
SOIL GEOCHEMISTRY SURVEY**

**EMMA PROPERTY**

Victoria, Nanaimo Mining Divisions  
NTS 92F/2, 49°10'N Lat., 124°35'W Long.

for

**AU RESOURCES LTD.**

December 31, 1987

**G.R. Cope, B.Sc.**

**T.G. Hawkins, P.Geol.**

FILMED

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,799**

MINISTRY OF ENERGY, MINES  
AND PETROLEUM RESOURCES  
Rec'd DEC 30 1987  
SUBJECT \_\_\_\_\_  
FILE \_\_\_\_\_  
VANCOUVER, B.C.





C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below)	
	22,600.00
TOTAL OF C AND D	
	\$ 22,600.00

Where the above statement requires a technical report as per section C of the Mineral Act Regulations, the author of the report shall complete both copies of the ASSESSMENT REPORT TITLE PAGE AND SUMMARY form and include the completed forms in the assessment reports.

Who was the operator (provided the financing)? Name AU RESOURCES LTD.  
Address 1902-4353 HALIFAX ST.  
BURNABY B.C., V C 5Z4

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) or operator(s) account(s):		
Name of Owner/Operator		
[May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.]	1. ....	
	2. ....	
	3. ....	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		

I wish to apply \$ 22,600 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

2 YEARS APPLIED TO EACH OF: EMMA 1 855(5), EMMA 2 856(5), EMMA 3 857(5),  
EMMA 4 858(5), EMMA 5 866(5), EMMA 6 867(5), EMMA 7 869(5), EMMA 8 868(5),  
EMMA 9 870(5), EMMA 10 871(5), EMMA 11 875(5), EMMA 12 961(7), EMMA 13 962(7),  
EMMA 14 963(7), EMMA 15 964(7), EMMA 16 1920(4), EMMA 17 1921(4), EMMA 18 899(4),  
EMMA 19 900(4), EMMA 20 1922(10), EMMA 21 1923(10), EMMA 22 2003(8), EMMA 954(7).

Value of work to be credited to portable assessment credit (PAC) account(s).

[May only be credited from the approved value of C and (or) D not applied to claims.]

Name	AMOUNT
1. ....	
2. ....	
3. ....	

I, the undersigned Free Miner, hereby acknowledge and understand that it is an offence to knowingly make a false statement or provide false information under the *Mineral Act*. I further acknowledge and understand that if the statements made, or information given, in this Statement of Exploration and Development are found to be false and the exploration and development has not been performed, as alleged in this Statement of Exploration and Development, then the work reported on this statement will be cancelled and the subject mineral claim(s) may, as a result, forfeit to and vest back to the Province.

  
Signature of Applicant



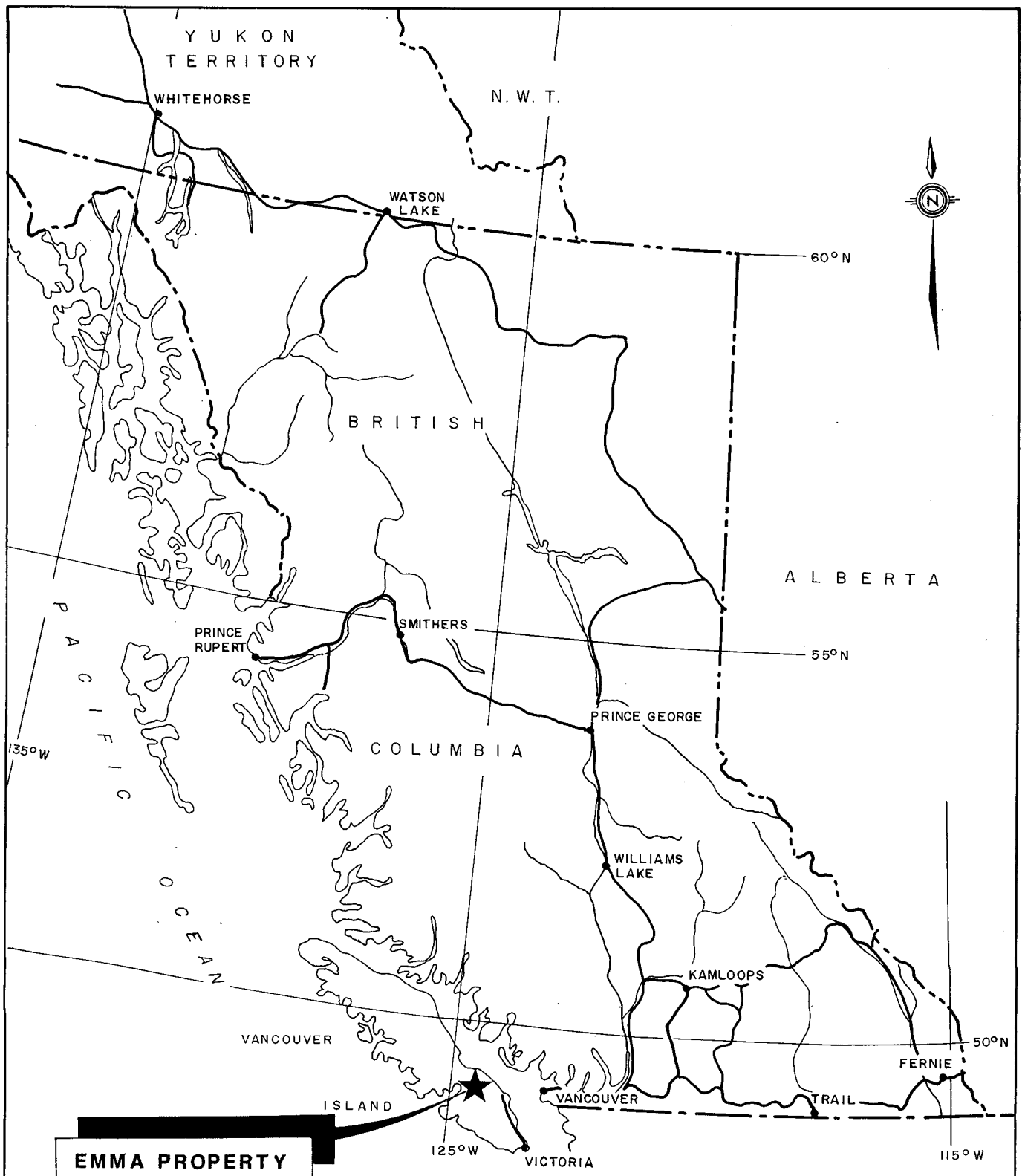
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**EMMA PROPERTY**

**Au RESOURCES LTD.**

**EMMA PROPERTY  
NANAIMO & VICTORIA MINING DIVISIONS  
GENERAL LOCATION MAP**

Project No: V 257	By: G.R.C.
Scale: 1 : 8 000 000	Drawn: G.R.C./dw
Drawing No: 1	Date: DEC. 1987

 **MPH Consulting Limited**



## 1.0 INTRODUCTION

This report details the results of the Phase I soil geochemistry survey performed on the Emma property by MPH Consulting Limited during the period from June 25, 1987 to September 30, 1987. The work was carried out at the request of Au Resources Ltd. of Burnaby, B.C. A total of 777 soil samples was collected on a compassed and flagged grid and subsequently analysed geochemically for gold and 30 additional elements by inductively coupled plasma (ICP).

Included in this report is a summary of regional geology, structure and economic setting of the property. A recommended work program designed to follow up the results of Phase I exploration is also provided.





## 2.0 LOCATION, ACCESS, TITLE

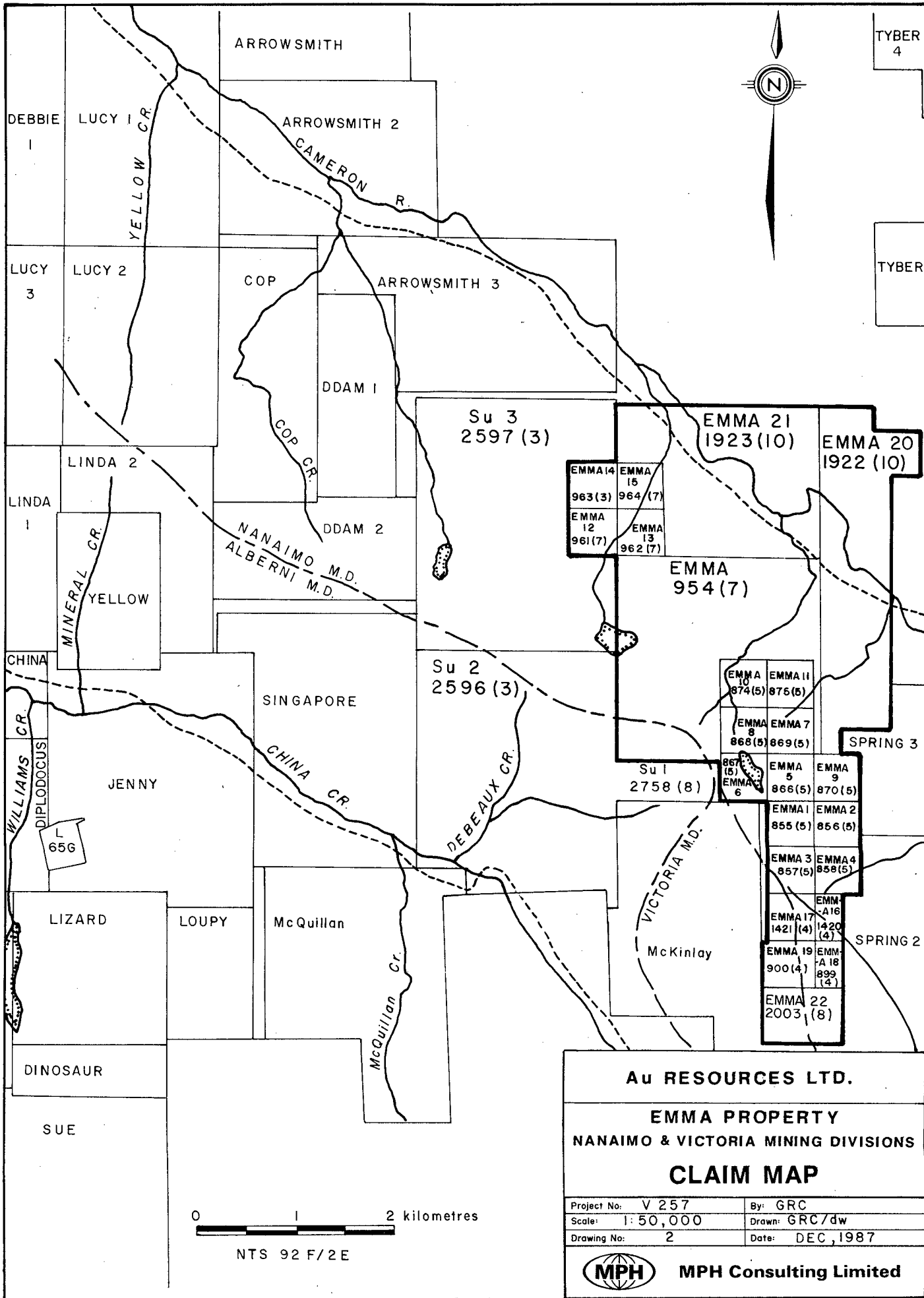
The property is located on Vancouver Island, approximately 18 km southeast of Port Alberni, B.C. and lies within the Nanaimo and Victoria Mining Divisions. The property consists of the adjoining Emma claims (Emma and Emma 1 to 22) which lie astride McLaughlin Ridge and total 65 claim units. The claims were grouped on September 25, 1987 (Notice to Group #1551) as the Emma Group.

Access to the property is provided by MacMillan Bloedel's Cameron Main logging road. Within the property, exploration is greatly aided by the many secondary haulage roads and skidder trails installed during logging.

Claim ownership is summarized in the following table:

Table I

Claim	Record No.	Units	Owner	Expiry Date
Emma 1	855 (5)	1	R. Elander	May 6, 1990
Emma 2	856 (5)	1	K. Farrell	May 6, 1990
Emma 3	857 (5)	1	A. Farrell	May 6, 1990
Emma 4	858 (5)	1	A. Farrell	May 6, 1990
Emma 5	866 (5)	1	K. Farrell	May 19, 1990
Emma 6	867 (5)	1	A. Farrell	May 19, 1990
Emma 7	869 (5)	1	R. Elander	May 19, 1990
Emma 8	868 (5)	1	A. Farrell	May 19, 1990
Emma 9	870 (5)	1	R. Elander	May 19, 1990
Emma 10	874 (5)	1	R. Elander	May 26, 1990
Emma 11	875 (5)	1	K. Farrell	May 26, 1990
Emma 12	961 (7)	1	R. Elander	July 14, 1990
Emma 13	962 (7)	1	A. Farrell	July 14, 1990
Emma 14	963 (7)	1	R. Elander	July 14, 1990
Emma 15	964 (7)	1	A. Farrell	July 14, 1990
Emma 16	1420 (4)	1	R. Elander	Apr. 25, 1990
Emma 17	1421 (4)	1	R. Elander	Apr. 25, 1990
Emma 18	899 (4)	1	R. Elander	Apr. 25, 1990
Emma 19	900 (4)	1	R. Elander	Apr. 25, 1990
Emma 20	1922 (10)	14	Au Resources Ltd.	Oct. 1, 1989
Emma 21	1923 (10)	12	Au Resources Ltd.	Oct. 1, 1989
Emma 22	2003 (8)	4	Au Resources Ltd.	Aug. 31, 1990
Emma	954 (7)	16	K. Farrell	July 2, 1990



TYBER  
4

TYBER

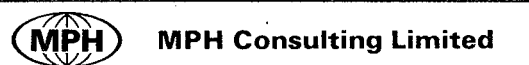


NTS 92 F/2 E

**Au RESOURCES LTD.**

**EMMA PROPERTY**  
**NANAIMO & VICTORIA MINING DIVISIONS**  
**CLAIM MAP**

Project No: V 257	By: GRC
Scale: 1:50,000	Drawn: GRC/dw
Drawing No: 2	Date: DEC, 1987





### 3.0 PREVIOUS WORK

Government geological work in the area includes mapping by C.H. Clapp (1912 and 1914); J.E. Muller and D.J.T. Carson (1969); J.E. Muller (1977 and 1980); and A. Sutherland Brown (1986).

In 1962, an airborne magnetic survey covering the Emma property was flown by Hunting Survey Corp. Ltd. From 1963 to 1966, regional mapping, silt sampling and prospecting were carried out by Gunnex Ltd. (1966). Ground surveys on the property include soil surveys by R.W. Phendler (1984) and T.E. Lisle (1986). VLF-EM and magnetometer surveys were also performed by T.E. Lisle (1986).



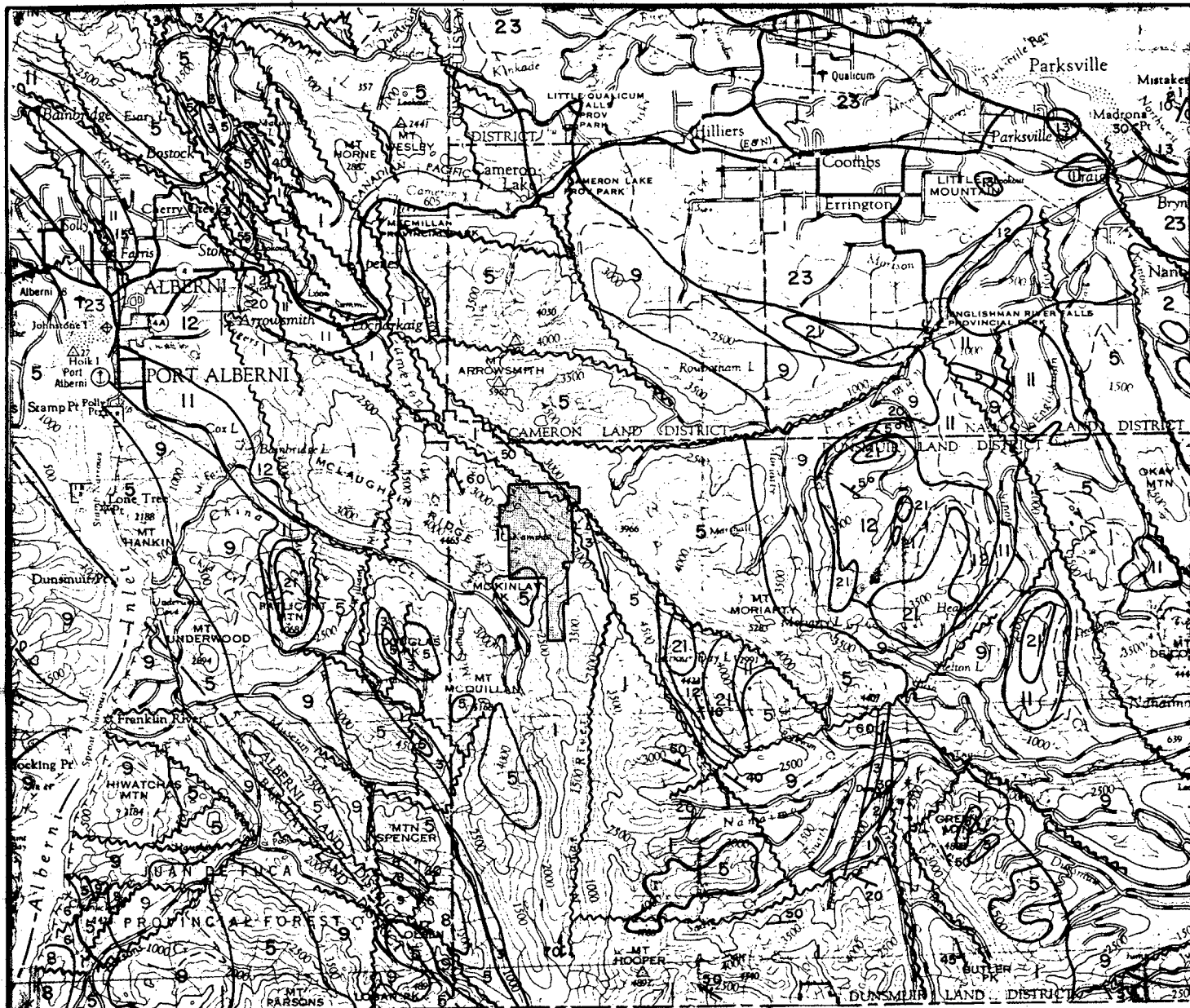
#### 4.0 REGIONAL GEOLOGY, STRUCTURE AND ECONOMIC SETTING

Upper Paleozoic **Sicker Group** rocks and Lower Mesozoic **Vancouver Group** rocks are the predominant rock units in the Port Alberni-Nitinat River area. These units are eugeosynclinal sequences of volcanic and sedimentary rock. The Sicker Group has been subdivided by Muller (1980) from oldest to youngest as follows: Nitinat Formation, Myra Formation, Sediment-Sill Unit and Buttle Lake Formation.

The **Nitinat Formation** consists of predominantly mafic volcanics, mainly flow breccias and agglomerates with lesser massive flows and rarer pillow basalts, with local interbedded basaltic tuff. Uralitized gabbroic rocks underlie and intrude the volcanics and are believed to be feeder dykes, sills and magma chambers to the volcanics.

The **Myra Formation** unconformably overlies the Nitinat Formation and in the Nitinat-Cameron River area comprises a lower basaltic tuff and breccia unit, a middle banded pelitic feldspathic tuff and argillite unit, and an upper thick bedded feldspathic tuff and breccia unit. At Myra Creek at the south end of Buttle Lake, volcanoclastic rocks consisting of dominantly rhyodacitic and rhyolitic tuff, lapilli tuff and breccia with quartz porphyry and minor mafic flows and argillite, are host to Westmin Resources Ltd.'s Myra, Lynx, Price and H-W massive sulphide (Cu, Zn, Pb, Au, Ag, Cd) deposits.

The **Sediment-Sill Unit** contains thinly-bedded to massive argillite, siltstone and chert with interlayered sills of diabase. It is transitional between the Myra and Buttle Lake Formations.



### LEGEND

#### QUATERNARY

23 Glacial and alluvial deposits.

#### TERTIARY

21 Hornblende quartz diorite, leucoquartz monzonite, porphyritic dacite, breccia.

#### UPPER CRETACEOUS

##### NANAIMO GROUP

13 EXTENSION-PROTECTION FM.: sandstone, conglomerate, shale, coal.

12 HASLAM FM.: shale, siltstone, fine sandstone.

11 COMOX FM.: sandstone, conglomerate, shale, coal.

#### MIDDLE TO UPPER JURASSIC

9 ISLAND INTRUSIONS: biotite-hornblende granodiorite, quartz diorite.

#### LOWER JURASSIC

8 BONANZA GROUP: andesitic to latitic breccia, tuff, and lava; minor greywacke, argillite, and siltstone.

#### UPPER TRIASSIC

##### VANCOUVER GROUP

6 QUATSINO FM.: massive to thick bedded limestone, minor thin bedded limestone.

5 KARMUTSEN FM.: pillow-basalt and pillow breccia, massive basalt flows; minor tuff, volcanic breccia; Jasperoid tuff, breccia and conglomerate at base.

#### TRIASSIC OR PERMIAN

4 Gabbro, periodite, diabase.

#### LOWER PERMIAN TO PENNSYLVANIAN SICKER GROUP

3 BUTTE LAKE FM.: limestone, chert.

2 MYRA FM.: lower unit; argillite, greywacke, conglomerate, tuff, minor limestone. Upper unit; rhyodacite to rhyolite tuff, lapilli tuff, breccia lesser siliceous siltstone, argillite, quartz porphyry and mafic flows.

1 NITINAT FM.: basaltic uraltite porphyry, agglomerate, pillow lava; greenschist.

0 5 10 km



**Au RESOURCES LTD.**

**EMMA PROPERTY  
NANAIMO & VICTORIA MINING DIVISIONS**

## REGIONAL GEOLOGY MAP

Project No: V 257	By: G.R.C.
Scale: 1:250,000	Drawn: G.R.C./dw
Drawing No: 3	Date: DEC. 1987



**MPH Consulting Limited**



The **Buttle Lake Formation** comprises a basal green and maroon tuff overlain by crinoidal and calcarenitic limestone with minor chert nodules and lesser amounts of argillite, siltstone greywacke and chert.

The Middle and Upper Triassic **Vancouver Group Karmutsen Formation** unconformably overlies the Buttle Lake Formation limestone, and is the thickest and most widely distributed sequence of rocks on Vancouver Island. The Karmutsen Formation, which is well exposed southeast of Port Alberni, comprises pillowed basalt, massive basalt and pillow breccia. Pillow lavas generally occur near the base of the section. Flows are commonly aphanitic and amygdaloidal.

North-northwesterly trending axial uplifts are believed to be the oldest (before Late Cretaceous) structural features of south-central Vancouver Island. Additional tilting, folding and uplift occurred after the Late Cretaceous. Sicker Group rocks occur at the core of these uplifts. Asymmetric northwest-trending, southwest-verging antiforms with subvertical southwest limbs and moderately dipping northeast limbs mapped in the Buttle Lake and Cameron-Nitinat River areas, are thought to have formed during the Jurassic.



## ECONOMIC SETTING

Volcanogenic massive sulphide deposits are presently the most economically significant exploration targets within Sicker Group volcanic rocks. Known deposits include Westmin Resources Ltd.'s Buttle Lake Mine deposits, where ore minerals include sphalerite, chalcopyrite, galena, tetrahedrite-tennantite, minor bornite and covellite hosted by pyritic rhyolitic to rhyodacitic volcanic and pyroclastic rocks of the Myra Formation. Proven reserves of the Lynx, Price and Myra deposits are 926,600 t grading 1% Cu, 0.9% Pb, 7.4% Zn, 2.06 g/t Au (0.06 oz/ton), 89.1 g/t Ag (2.06 oz/ton) 1983. Mineable ore reserves of the H-W deposit based on a 2700 tpd production rate and \$33 Cdn. cutoff grade, are 13,302,000 tonnes grading 2.02 g/t Au (0.059 oz/ton), 30.38 g/t Ag (0.886 oz/ton), 1.91% Cu, 0.27% Pb, 4.48% Zn (McKnight, 1987).

The Twin J mine orebodies near Duncan on Mt. Sicker, are approximately 46 m apart and contain pyrite, chalcopyrite, sphalerite and minor galena in a barite-quartz-calcite gangue as well as chalcopyrite in quartz. They are hosted by schists derived from the Myra Formation. Total production from 1898 to 1964 was 277,400 t producing 1,383,803 g Au, 29,066,440 g Ag, 9,549,590 kg Cu, 20,803,750 kg Zn, 164,590 kg Pb, and 4.5 kg Cd.

Recent exploration on the Lara property (near Duncan) has traced massive sulphides in the Coronation and Coronation Extension zones along a strike length of over 1500 m, over an average width of 3.9 m. A high grade zone within the Coronation zone is 162 m long and averages 8.2 g/t Au (0.24 oz/ton), 230.1 g/t Ag (6.71 oz/ton), 14.9% Zn, 3.1% Pb, and 1.5% Cu. Two kilometres to the north, four diamond drill holes uncovered several polymetallic horizons over a strike length in excess of 2.4 km (Northern Miner, January 1987).



In the Port Alberni area, five past producing mines occur. These include the Thistle mine, the Havilah mine, the Black Panther mine, the 3-W mine and Vancouver Island Gold Mine.

Vancouver Island Gold Mine is located on the Yellow claim adjacent to the Debbie property, 4 km west of the Emma property. Nexus Resource Corporation and Westmin Resources Ltd. are currently involved in an aggressive exploration program on the Debbie property and exciting new discoveries have yielded intersections of up to 4.25 g/t Au over 11.34 m (0.124 oz/ton Au over 37.2 feet) and 3.50 g/t Au over 18.20 m (0.102 oz/ton Au over 59.7 feet) from the Mineral Creek Zone and 139.82 g/t Au over 14.36 m (4.078 oz/ton Au over 47.1 feet) and 38.98 g/t Au over 13.50 m (1.137 oz/ton Au over 44.3 feet) from the 900 Zone.





## 5.0 PHASE I SOIL GEOCHEMISTRY SURVEY

### 5.1 SURVEY PROCEDURE

A compassed and flagged grid was initially established over a strong north-trending fault structure located in the eastern portion of the property and identified by Cope and Hawkins (MPH Consulting Limited) and past examiners as having significant mineral potential. A 1.5 km baseline was installed at a bearing of due north and east-west crosslines were run at 100 m line spacings to 600 m on either side of the baseline. Sample stations were established along the crosslines at 25 m intervals. While much of the grid is in open logging slash, a limited amount of linecutting was performed in areas of thick, immature growth. A total of 20.7 line-km of grid was established.

As the grid was being installed, a soil sample was collected at each sample station and subsequently analysed geochemically for gold and for 30 additional elements by inductively coupled plasma (ICP). Gold analyses were performed by Rossbacher Laboratory Ltd. of Burnaby, B.C. and ICP analyses were performed by Acme Analytical Laboratories of Vancouver, B.C. Sample pits were dug using grubhoes to a depth of approximately 25 cm and samples placed in kraft bags for shipment to the lab. Wherever possible, the "B" soil horizon was selected for analysis. "B" horizon soil within the survey area varies from moderately to well developed. A total of 777 soil samples was collected. Results from the soil geochemistry survey are discussed in Section 5.2 and displayed in Figures 4 to 7.



Surface disturbances caused by road building and skidder trails are extensive and a number of the soil anomalies that were outlined may have cultural sources, as indicated on Figures 4 to 7.

Frequency and cumulative frequency histograms were plotted for each of silver, copper and zinc and are found in Appendix III. For the purposes of this report, the following values are defined:

Background - Mean  
Threshold - 97.5 Percentile  
Weakly Anomalous - Threshold + 2 Standard Deviations  
Moderately Anomalous - Threshold + 4 Standard Deviations  
Strongly Anomalous - Threshold + 6 Standard Deviations

Results from the gold analyses were not subjected to statistical analysis due to the strong skewness of the gold data. Instead, anomalous values were arbitrarily selected which outline patterns of significant enrichment. Table II summarizes the resultant contour intervals, background values and sample populations.

Table II

	Au	Ag	Cu	Zn
Sample Population	777	777	777	776
Background	5	0.2	77	90
Threshold	15	0.5	160	200
Weakly Anomalous	50	0.9	250	310
Moderately Anomalous	100	1.3	340	420
Strongly Anomalous	200	1.7	430	530



## 5.2 DISCUSSION OF RESULTS

### Zone 1, High Grade Zone (Au, Ag, Cu, Zn)

Zone 1 consists of coincident gold, silver, copper and zinc anomalies. The zone extends from line 4+00N to line 0+00, is centred about 4+00W, averages 100 m in width and is open to the south. Gold values range from 15 ppb Au to 2620 ppb Au in a background of 5 ppb Au. Silver values range from 0.5 ppm Ag to 2.4 ppm Ag in a background of 0.2 ppm Ag. Copper values range from 164 ppm Cu to 356 ppm Cu in a background of 77 ppm Cu. Zinc values range from 250 ppm Zn to 620 ppm Zn in a background of 90 ppm Zn. This area is extensively quartz veined. The soil anomalies are strongest on line 4+00N where road building may have transported and concentrated vein material. However, the elongated outlines and strengths of the gold and zinc anomalies support a geological source, i.e., mineralized quartz veins, in Zone 1.

### Zones 2a, 2b, 2c (Au, Cu)

Zone 2a consists of coincident gold and copper anomalies. The zone extends from line 6+00N to line 9+00N, is up to 125 m wide and is centred about the baseline. Gold values range from 20 ppb Au to 450 ppb Au in a background of 5 ppb Au. Copper values range from 166 ppm Cu to 229 ppm Cu in a background of 77 ppm Cu. Also, within Zone 2a, there are two weak, single sample silver anomalies on lines 6+00N (0.5 ppm Ag) and 8+00N (0.6 ppm Ag with 224 ppm Zn).



Zone 2b extends from line 8+00N, 1+25W to line 9+00N, 0+50W with values of 420 ppb Au and 320 ppb Au on lines 8+00N and 9+00N respectively. Zones 2a and 2b coalesce at baseline, 9+50N. Both Zone 2a and 2b roughly parallel northeast trending fault structures. The northeast trending faults are either truncated by or are splays of the north-south trending fault which parallels the baseline. This pattern of fault intersections is reflected in the Zone 2a, 2b anomaly outlines which strongly suggest a structural control on gold-copper enrichment in the soils.

Zone 2c extends from the point of convergence of Zones 2a and 2b to line 13+00N, 2+00W. Gold values range from 20 ppb Au to 160 ppb Au. However, this zone parallels logging road CM-240 and may be caused by material displaced during road building.

### **Zone 3 (Zn, Ag (Cu))**

Zone 3 consists of coincident zinc and silver anomalies on lines 0+00N and 1+00N. The zone extends from 4+25E to 5+75E on line 0+00N and from 5+25E to 5+75E on line 1+00N. Zinc values range from 205 ppm to 559 ppm Zn. The silver anomaly consists of single anomalous samples yielding 0.6 ppm Ag on line 0+00N at 5+75E and 0.6 ppm Ag on line 1+00N at 5+50E. A source for the soil enrichment was not observed during sampling. The anomalous samples were collected within 25 m of logging roads and a cultural source is possible.

**Zone 4 (Au, Ag, Cu, Zn)**

Zone 4 extends from line 7+00N, 6+00E to line 9+00N, 5+25E with a maximum width of 75 m. Gold values range up to 80 ppb Au, silver values to 1.2 ppm Ag, copper values to 178 ppm Cu and zinc values to 243 ppm Zn. Zone 4 overlies numerous skidder trails and a logging road and hence, a cultural source is proposed.

In addition to the above mentioned zones, numerous spot anomalies and single element anomalies are present in the northern portion of the grid. Most notable in this regard is gold. Several narrow gold anomalies are present across lines 11+00N through 15+00N. Gold values in these anomalies range up to 340 ppb Au. This portion of the grid lies below the break in slope in dense bush and a source for the anomalies was not discovered.



## 6.0 CONCLUSIONS AND RECOMMENDED WORK PROGRAM

### 6.1 PLAN

Four zones of anomalous soil geochemistry were outlined by the present survey. Zones 1, 2a and 2b represent the most favourable exploration targets based on relatively strong metals enrichment in these zones and their persistence over significant strike lengths. Additional work in the form of geological mapping and rock sampling, prospecting and trenching is warranted. Particular attention should be paid to veining (both quartz and quartz-carbonate) and alteration zones related to structural features observed during the soil geochemistry survey. The following budget is recommended to further explore the Emma property.

**6.2 BUDGET**

Mobilization/Demobilization				\$ 1,000
Personnel:				
- Project Manager/Geologist	20 days @ \$375	\$7,500		
- Assistant Geologist	20 days @ 250	<u>5,000</u>	12,500	
Support Costs:				
- Accommodation/Food	40 mandays @ \$ 55	\$2,200		
- Transportation/4WD Truck	20 days @ 110	2,200		
- Communications		200		
- Field Supplies		<u>500</u>	5,100	
Equipment Rental:				
- Rock Saw	5 days @ \$ 15	\$ 75		
- Backhoe	16 hrs @ 60	<u>960</u>	1,035	
Analyses:				
- 200 rocks (Au, ICP)	@ \$ 14	\$2,800		
- 20 rocks (Au Assay)	@ 10	200		
- 10 rocks (Thin Section)	@ 110	1,100		
- 10 rocks (Whole Rock)	@ 32	<u>320</u>	4,420	
Report Writing:				
- Project Manager	15 days @ \$375	\$5,625		
- Drafting	100 hours @ 22	2,200		
- Typing, Copying, Binding		<u>1,500</u>	9,325	
Administration @ 15% of \$10,780				1,615
Contingency @ 15% of \$34,997				<u>5,250</u>
<b>Total Cost, say,</b>				<b>\$40,000</b> =====



### 6.3 SCHEDULE

The following table is an estimate of the time requirements for the completion of Phase II exploration of the Emma property.

Table III

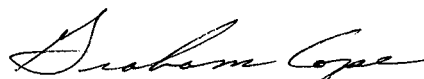
WEEK	1	2	3	4	5	6
Geology	[Bar spanning weeks 1, 2, and 3]					
Trenching		[Bar spanning week 2]				
Analyses		[Bar spanning weeks 2, 3, and 4]				
Report					[Bar spanning weeks 5 and 6]	



**CERTIFICATE**

I, G. Cope, do hereby certify:

1. That I presently hold the position of Project Manager/Geologist with MPH Consulting Limited.
2. That I am a graduate in geology of the University of British Columbia (B.Sc. 1985).
3. That I have worked in mineral exploration since 1981 and have practiced my profession as a geologist since 1985.
4. That I am a member of the Geological Association of Canada (Pacific Section).
5. That the opinions, conclusions and recommendations contained herein are based on field work carried out on the property from June 25, 1987 to September 30, 1987 and supervised by me.
6. That I own no direct, indirect, or contingent interests in the subject property, or shares or securities of Au Resources Ltd.

  
G.R. Cope, B.Sc.

Vancouver, B.C.  
December 31, 1987

**CERTIFICATE**

I, T.E. Gregory Hawkins, do hereby certify:

1. That I am a Consulting Geologist with business offices at 2406 - 555 West Hastings Street, Vancouver, B.C. V6B 4N5.
2. That I am a graduate in geology of The University of Alberta, Edmonton (B.Sc. 1973), and of McGill University, Montreal, (M.Sc. 1979).
3. That I have practised within the geological profession for the past sixteen years.
4. That I am a Fellow of the Geological Association of Canada and a Professional Geologist registered in the Province of Alberta.
5. That the opinions, conclusions and recommendations contained herein are based on field work carried out on the property from June 25, 1987 to September 30, 1987 and supervised by me.
6. That I own no direct, indirect, or contingent interests in the area, the subject property, or shares or securities of Au Resources Ltd.

  
T.E. Gregory Hawkins, P.Geol.

Vancouver, B.C.  
December 31, 1987

**REFERENCES**

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(Hunting Survey Corp. Ltd. 1962)  
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- Phendler, R.W. 1984: Progress Report on the Emma Property for Au Resources Ltd., July, 1984; internal company report.
- Sutherland Brown, A. 1986: Sicker Group in the Northwest Cowichan Uplift; G.S.C. Open File 1272.



**Appendix I**

**LIST OF PERSONNEL**

**and**

**STATEMENT OF EXPENDITURES**



## Appendix I

### LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

#### Personnel:

G.R. Cope, B.Sc. 3 days @ \$375	1,125.00	
T.G. Hawkins, P.Geol. 1 day @ \$500	500.00	
C.J. Clayton, Technician 14 days @ \$150	2,100.00	
G. Harvey, Technician 14 days @ \$150	<u>2,100.00</u>	\$ 5,825.00

#### Equipment Rental:

4WD Truck 14 days @ \$90		1,260.00
--------------------------	--	----------

#### Accommodation:

32 mandays @ \$45		1,440.00
-------------------	--	----------

#### Disbursements:

Analyses - 777 Soils @ \$11.85	9,207.45	
Report (Typing, Drafting, Copying, Binding)	<u>3,031.68</u>	12,239.13
Administration @ 15% of \$12,239.13		<u>1,835.87</u>
		<b>\$22,600.00</b>
		=====



**Appendix II**

**CERTIFICATES OF ANALYSIS**

**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**CERTIFICATE OF ANALYSIS**

TO : MPH CONSULTING LTD.  
 #2406-555 W. HASTINGS ST. (BOX 12092)  
 VANCOUVER B.C.

CERTIFICATE#: 87304  
 INVOICE#: 7750  
 DATE ENTERED: 87-08-15  
 FILE NAME: MPH87304  
 PAGE # : 1

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
0	L ON 6+00E	0
0	5+75E	0
0	5+50E	0
0	5+25E	0
0	5+00E	0
0	4+75E	0
0	4+50E	0
0	4+25E	0
0	4+00E	0
0	3+75E	0
0	3+50E	0
0	3+25E	0
0	3+00E	0
0	2+75E	0
0	2+50E	0
0	2+25E	0
0	2+00E	0
0	1+75E	0
0	1+50E	0
0	1+25E	0
0	1+00E	0
0	0+75E	0
0	0+50E	0
0	0+25E	0
0	L ON 0+00BL	0
0	0+25W	0
0	0+50W	0
0	0+75W	0
0	1+00W	0
0	1+25W	0
0	1+50W	0
0	1+75W	0
0	2+00W	0
0	2+25W	0
0	2+50W	0
0	2+75W	0
0	3+00W	0
0	3+25W	0
0	3+50W	0
0	3+75W	0

CERTIFIED BY :

*[Handwritten Signature]*

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**CERTIFICATE OF ANALYSIS**

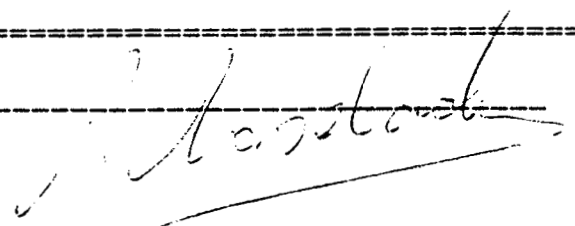
TO : MPH CONSULTING LTD.  
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 VANCOUVER B.C.

CERTIFICATE#: 87304  
 INVOICE#: 7750  
 DATE ENTERED: 87-08-15  
 FILE NAME: MPH87304  
 PAGE # : 2

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
5	L ON 4+00W	5
5	4+25W	5
5	4+50W	5
5	4+75W	5
5	5+00W	160
5	5+25W	5
5	5+50W	5
5	5+75W	5
5	L ON 6+00W	5
5	L 1N 6+00E	5
5	5+75E	5
5	5+50E	5
5	5+25E	5
5	5+00E	5
5	4+75E	5
5	4+50E	5
5	4+25E	30
5	4+00E	5
5	3+75E	5
5	3+50E	20
5	3+25E	5
5	3+00E	5
5	2+75E	5
5	2+50E	70
5	2+25E	5
5	2+00E	5
5	1+75E	5
5	1+50E	5
5	1+25E	20
5	1+00E	5
5	0+75E	5
5	0+50E	5
5	0+25E	5
5	L 1N 0+00BL	5
5	0+25W	5
5	0+50W	5
5	0+75W	5
5	1+00W	5
5	1+25W	5
5	L 1N 1+50W	5

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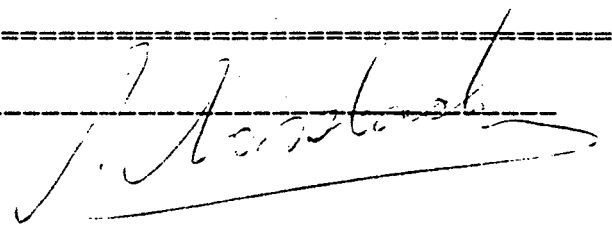
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 VANCOUVER B.C.

CERTIFICATE#: 87304  
 INVOICE#: 7750  
 DATE ENTERED: 87-08-15  
 FILE NAME: MPH87304  
 PAGE # : 3

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
0	L 1N 1+75W	5
0	2+00W	5
0	2+25W	5
0	2+50W	5
0	2+75W	20
0	3+00W	5
0	3+25W	5
0	3+50W	20
0	3+75W	5
0	4+00W	5
0	4+25W	40
0	4+50W	5
0	4+75W	30
0	5+00W	5
0	5+25W	30
0	5+50W	5
0	5+75W	5
0	L 1N 6+00W	5
0	L 2N 6+00E	5
0	5+75E	5
0	5+50E	5
0	5+25E	5
0	5+00E	5
0	4+75E	5
0	4+50E	5
0	4+25E	10
0	4+00E	5
0	3+75E	5
0	3+50E	5
0	3+25E	5
0	3+00E	5
0	2+75E	5
0	2+50E	5
0	2+25E	5
0	2+00E	5
0	1+75E	5
0	1+50E	5
0	1+25E	5
0	1+00E	5
0	L 2N 0+75E	40

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2225 S. SPRINGER AVENUE  
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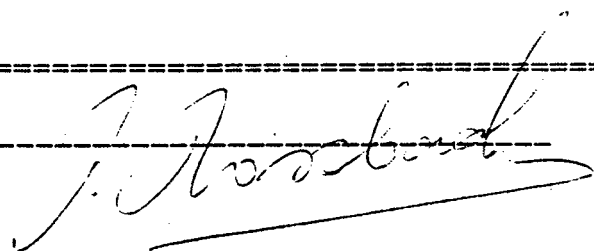
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 VANCOUVER B.C.

CERTIFICATE#: 87304  
 INVOICE#: 7750  
 DATE ENTERED: 87-08-15  
 FILE NAME: MFH87304  
 PAGE # : 4

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Al
0	L 2N 0+50E	5
0	0+25E	5
0	L 2N 0+00BL	5
0	0+25W	5
0	0+50W	5
0	0+75W	5
0	1+00W	5
0	1+25W	5
0	1+50W	5
0	1+75W	5
0	2+00W	5
0	2+25W	5
0	2+50W	5
0	2+75W	5
0	3+00W	5
0	3+25W	5
0	3+50W	5
0	3+75W	5
0	4+00W	5
0	4+25W	210
0	4+50W	140
0	4+75W	5
0	5+00W	5
0	5+25W	5
0	5+50W	5
0	5+75W	5
0	L 2N 6+00W	5

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 BURNABY, B.C. V5B 3N1  
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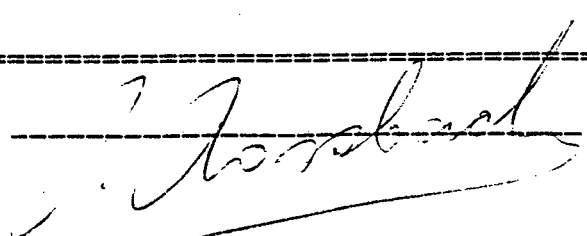
TO : MPH CONSULTING LTD.  
 #2406-555 W.HASTINGS ST. (BOX 12092)  
 VANCOUVER B.C.

CERTIFICATE#: 87320  
 INVOICE#: 7764  
 DATE ENTERED: 87-07-16  
 FILE NAME: MPH87320  
 PAGE # : 1

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
5	L 3N 6+00E	5
5	5+75E	5
5	5+50E	5
5	5+25E	5
5	5+00E	5
5	4+75E	5
5	4+50E	5
5	4+25E	5
5	4+00E	10
5	3+75E	5
5	3+50E	5
5	3+25E	5
5	3+00E	5
5	2+75E	5
5	2+50E	5
5	2+25E	5
5	2+00E	5
5	1+75E	5
5	1+50E	5
5	1+25E	5
5	1+00E	5
5	0+75E	5
5	0+50E	5
5	0+25E	5
5	L 3N 0+00BL	5
5	0+25W	5
5	0+50W	5
5	0+75W	5
5	1+50W	5
5	1+75W	5
5	2+00W	5
5	2+25W	5
5	2+50W	20
5	2+75W	50
5	3+00W	5
5	3+25W	5
5	3+50W	5
5	3+75W	20
5	4+00W	20
5	L 3N 4+25W	10

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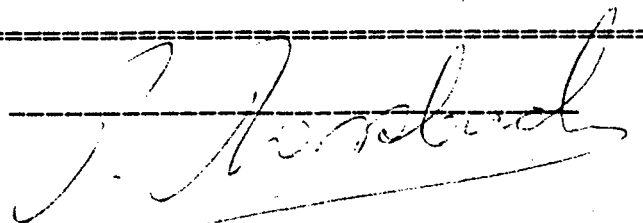
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CERTIFICATE#: 87320  
 INVOICE#: 7764  
 DATE ENTERED: 87-07-16  
 FILE NAME: MPH87320  
 PAGE # : 2

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
5	L 3N 4+50W	5
5	4+75W	5
5	5+00W	5
5	5+25W	5
5	5+50W	5
5	5+75W	5
5	L 3N 6+00W	5
5	L 4N 6+00E	5
5	5+75E	5
5	5+50E	5
5	5+25E	5
5	5+00E	5
5	4+75E	5
5	4+50E	5
5	4+25E	5
5	4+00E	5
5	3+75E	5
5	3+50E	5
5	3+25E	5
5	3+00E	5
5	2+75E	5
5	2+50E	5
5	2+25E	5
5	2+00E	5
5	1+75E	5
5	1+50E	5
5	1+25E	5
5	1+00E	5
5	0+75E	5
5	0+50E	5
5	0+25E	5
5	L 4N 0+00BL	5
5	0+25W	5
5	0+50W	5
5	0+75W	40
5	1+00W	5
5	1+25W	130
5	1+50W	5
5	1+75W	5
5	L 4N 2+00W	5

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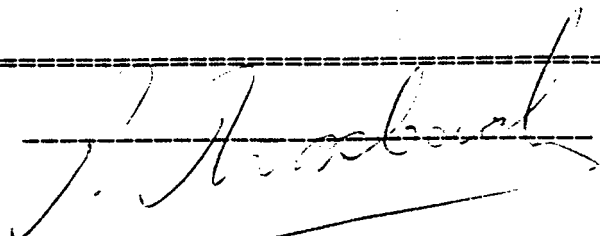
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CERTIFICATE#: 87320  
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 DATE ENTERED: 87-07-16  
 FILE NAME: MPH87320  
 PAGE # : 3

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L 4N 2+25W	5
S	2+50W	40
S	2+75W	5
S	3+00W	5
S	3+25W	2160
S	3+50W	640
S	3+75W	280
S	4+00W	70
S	4+25W	30
S	4+50W	5
S	4+75W	20
S	5+00W	20
S	5+25W	5
S	5+50W	5
S	5+75W	5
S	L 4N 6+00W	5
S	L 5N 6+00E	5
S	5+75E	5
S	5+50E	5
S	5+25E	5
S	5+00E	5
S	4+75E	5
S	4+50E	5
S	4+25E	5
S	4+00E	5
S	3+75E	5
S	3+50E	5
S	3+25E	5
S	3+00E	5
S	2+75E	5
S	2+50E	5
S	2+25E	5
S	2+00E	5
S	1+75E	5
S	1+50E	5
S	1+25E	5
S	1+00E	5
S	0+75E	5
S	0+50E	5
S	L 5N 0+25E	5

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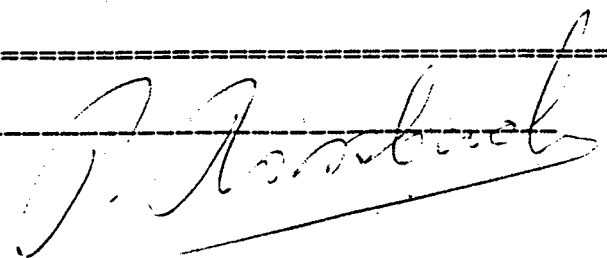
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CERTIFICATE#: 87320  
INVOICE#: 7764  
DATE ENTERED: 87-07-16  
FILE NAME: MPH87320  
PAGE # : 4

PROJECT: V 257  
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L 5N 0+00BL	5
S	0+25W	5
S	0+50W	5
S	0+75W	5
S	1+00W	5
S	1+25W	5
S	1+50W	5
S	1+75W	5
S	2+00W	5
S	2+25W	5
S	2+50W	5
S	2+75W	5
S	3+00W	5
S	3+25W	5
S	3+50W	5
S	3+75W	5
S	4+00W	5
S	4+25W	5
S	4+50W	5
S	4+75W	5
S	5+00W	5
S	5+25W	5
S	5+50W	5
S	5+75W	5
S	L 5N 6+00W	5

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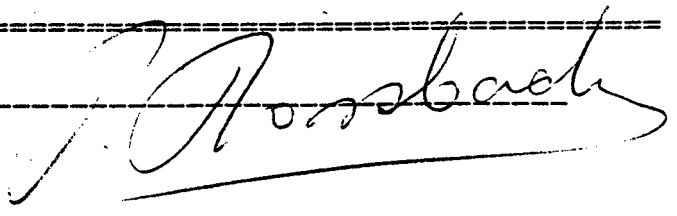
**CERTIFICATE OF ANALYSIS**

TO : MPH CONSULTING LTD.  
 #2406-555 W.HASTINGS ST. (BOX 12092)  
 VANCOUVER B.C.

CERTIFICATE#: 87331  
 INVOICE#: 7786  
 DATE ENTERED: 87-07-22  
 FILE NAME: MPH87331  
 PAGE # : 1

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	FPB Au
S	L 6N 600W	5
S	575W	5
S	550W	5
S	525W	5
S	500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	5
S	125W	5
S	100W	5
S	075W	5
S	050W	110
S	025W	100
S	L 6N 000	5
S	025E	40
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	300E	5
S	325E	5
S	350E	5
S	L 6N 375E	5

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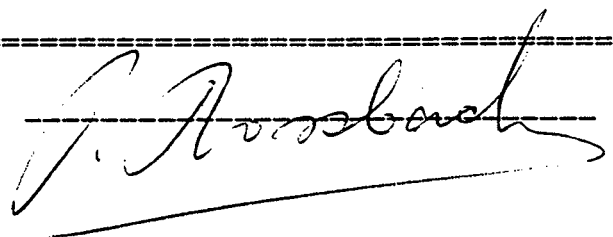
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 VANCOUVER B.C.

CERTIFICATE#: 87331  
 INVOICE#: 7786  
 DATE ENTERED: 87-07-22  
 FILE NAME: MPH87331  
 PAGE # : 2

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	FPB Au
S	L 6N 400E	5
S	425E	5
S	450E	5
S	475E	5
S	500E	5
S	525E	5
S	550E	5
S	575E	5
S	L 6N 600E	5
S	L 7N 600W	5
S	575W	5
S	550W	5
S	525W	5
S	500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	5
S	125W	5
S	100W	5
S	075W	5
S	050W	10
S	025W	450
S	L 7N 000	40
S	025E	5
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	L 7N 150E	5

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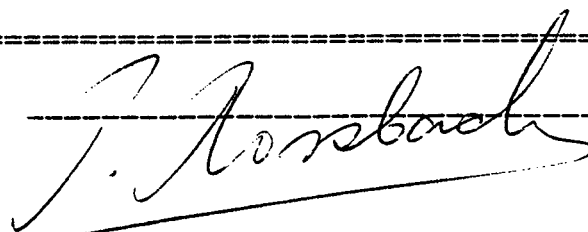
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 INVOICE#: 7786  
 DATE ENTERED: 87-07-22  
 FILE NAME: MPH87331  
 PAGE # : 3

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L 7N 175E	30
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	300E	5
S	325E	5
S	350E	5
S	375E	5
S	400E	5
S	425E	5
S	450E	5
S	475E	5
S	500E	5
S	525E	5
S	550E	5
S	575E	5
S	L 7N 600E	80
S	L 8N 600W	5
S	575W	5
S	550W	5
S	525W	5
S	500W	10
S	475W	10
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	5
S	125W	420
S	100W	10
S	L 8N 075W	5

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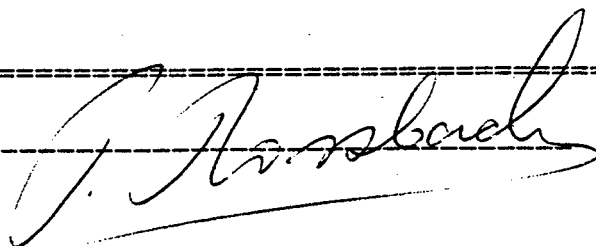
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 #2406-555 W. HASTINGS ST. (BOX 12092)  
 VANCOUVER B.C.

CERTIFICATE#: 87331  
 INVOICE#: 7786  
 DATE ENTERED: 87-07-22  
 FILE NAME: MPH87331  
 PAGE # : 4

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
0	L 8N 050W	10
0	025W	5
0	L 8N 000	5
0	025E	20
0	050E	5
0	075E	30
0	100E	20
0	125E	20
0	150E	5
0	175E	5
0	200E	5
0	225E	5
0	250E	5
0	275E	5
0	300E	30
0	325E	50
0	350E	10
0	375E	5
0	400E	5
0	425E	5
0	450E	20
0	475E	5
0	500E	5
0	525E	40
0	550E	20
0	575E	5
0	L 8N 600E	30
0	L 9N 600W	5
0	575W	5
0	550W	5
0	525W	10
0	500W	5
0	475W	5
0	450W	5
0	425W	5
0	400W	5
0	375W	5
0	350W	70
0	325W	5
0	L 9N 300W	5

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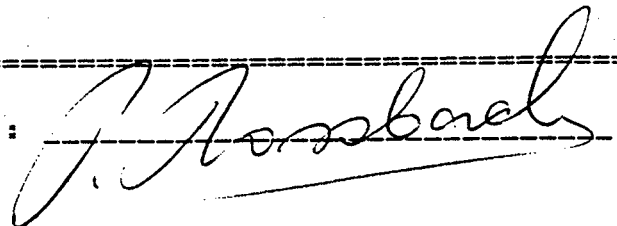
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 PAGE # : 5

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
0	L 9N 275W	5
0	250W	5
0	225W	5
0	200W	5
0	175W	5
0	150W	5
0	125W	5
0	100W	5
0	075W	5
0	050W	320
0	025W	5
0	L 9N 000	5
0	025E	30
0	050E	30
0	075E	360
0	100E	5
0	125E	80
0	150E	5
0	175E	5
0	200E	5
0	225E	5
0	250E	20
0	275E	10
0	300E	10
0	325E	5
0	350E	120
0	375E	5
0	400E	5
0	425E	5
0	450E	5
0	475E	5
0	500E	5
0	525E	20
0	550E	5
0	575E	5
0	L 9N 600E	10
0	L 10N 600W	5
0	575W	20
0	550W	20
0	L 10N 525W	5

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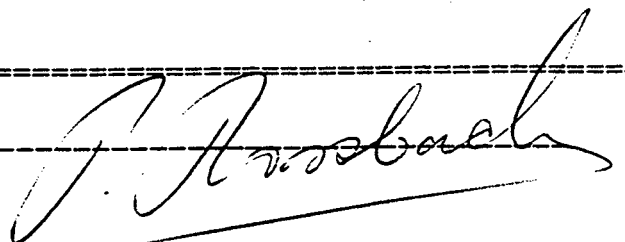
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 FILE NAME: MPH87331  
 PAGE # : 6

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
0	500W	5
0	475W	5
0	450W	5
0	425W	5
0	400W	5
0	375W	5
0	350W	5
0	325W	5
0	300W	5
0	275W	5
0	250W	5
0	225W	5
0	200W	5
0	175W	5
0	150W	5
0	125W	5
0	100W	5
0	075W	5
0	050W	5
0	025W	20
0	L 10N 000	5
0	025E	5
0	050E	5
0	075E	5
0	100E	5
0	125E	5
0	150E	5
0	175E	5
0	200E	5
0	225E	5
0	250E	5
0	275E	40
0	300E	40
0	325E	5
0	350E	5
0	375E	5
0	400E	5
0	425E	5
0	450E	5
0	L 10N 475E	5

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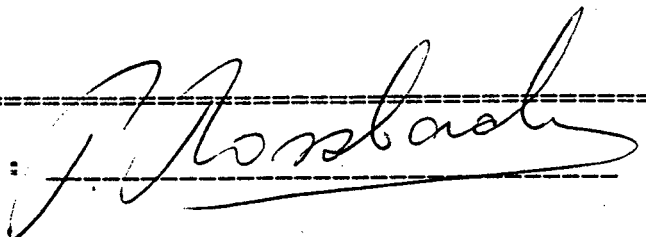
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PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L 10N 500E	5
S	525E	5
S	550E	5
S	575E	5
S	L 10N 600E	5
S	L 11N 600W	5
S	575W	5
S	550W	5
S	525W	5
S	500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	5
S	125W	5
S	100W	5
S	075W	70
S	050W	5
S	025W	5
S	L 11N 000	40
S	025E	5
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	L 11N 250E	5

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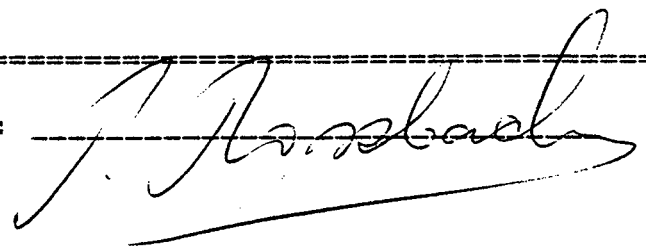
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PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
5	L 11N 275E	5
5	300E	10
5	325E	5
5	350E	5
5	375E	5
5	400E	5
5	425E	20
5	450E	10
5	475E	5
5	500E	5
5	525E	5
5	550E	5
5	575E	5
5	L 11N 600E	5
5	L 12N 600W	5
5	575W	5
5	550W	5
5	525W	5
5	500W	40
5	475W	30
5	450W	10
5	425W	5
5	400W	5
5	375W	50
5	350W	5
5	325W	5
5	300W	5
5	275W	5
5	250W	5
5	225W	5
5	200W	5
5	175W	5
5	150W	5
5	125W	5
5	100W	40
5	075W	5
5	050W	5
5	025W	5
5	000	5
5	L 12N 025E	5

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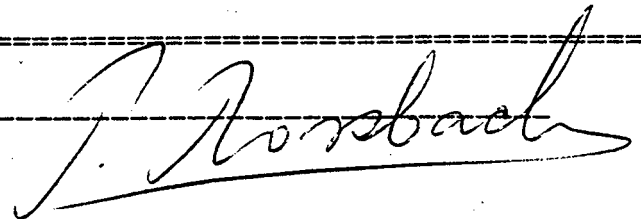
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 FILE NAME: MPH87331  
 PAGE # : 9

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L 12N 050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	10
S	175E	5
S	200E	40
S	225E	5
S	250E	5
S	275E	5
S	300E	5
S	325E	5
S	350E	5
S	375E	30
S	400E	10
S	425E	80
S	450E	5
S	475E	5
S	500E	5
S	525E	5
S	550E	270
S	575E	5
S	L 12N 600E	5
S	L 13N 600W	30
S	575W	5
S	550W	5
S	525W	80
S	500W	5
S	475W	5
S	450W	5
S	425W	40
S	400W	10
S	375W	5
S	350W	5
S	325W	5
S	300W	30
S	275W	5
S	250W	40
S	225W	10
S	L 13N 200W	160

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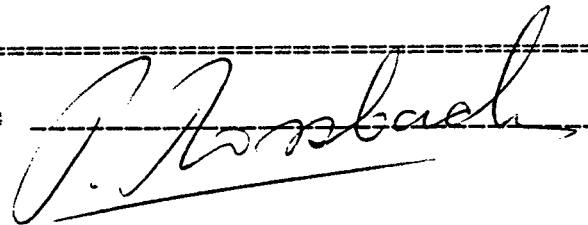
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 FILE NAME: MPH87331  
 PAGE # : 10

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
5	L 13N 175W	5
5	150W	10
5	125W	5
5	100W	5
5	075W	5
5	050W	5
5	025W	30
5	L 13N 000	5
5	025E	80
5	050E	5
5	075E	5
5	100E	5
5	125E	5
5	150E	60
5	175E	5
5	200E	5
5	225E	5
5	250E	5
5	275E	5
5	325E	5
5	350E	5
5	375E	5
5	400E	20
5	425E	5
5	450E	5
5	475E	5
5	500E	5
5	550E	5
5	575E	5
5	L 13N 600E	5
5	L 14N 600W	5
5	575W	5
5	550W	20
5	525W	40
5	500W	5
5	475W	5
5	450W	5
5	425W	5
5	400W	5
5	L 14N 375W	5

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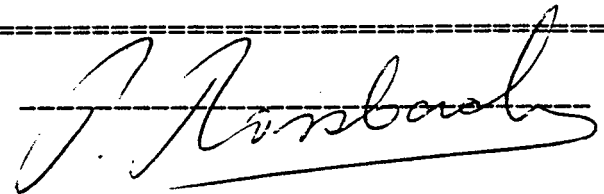
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 PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87331  
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 DATE ENTERED: 87-07-22  
 FILE NAME: MPH87331  
 PAGE # : 11

PRE FIX	SAMPLE NAME	PPB Au
S	L 14N 350W	270
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	10
S	175W	5
S	150W	20
S	125W	30
S	100W	5
S	075W	20
S	050W	5
S	025W	70
S	L 14N 000	50
S	025E	5
S	050E	5
S	075E	60
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	300E	5
S	325E	5
S	350E	340
S	375E	5
S	400E	5
S	425E	5
S	450E	5
S	475E	5
S	500E	5
S	525E	5
S	550E	5
S	575E	5
S	L 14N 600E	5
S	L 15N 600W	5

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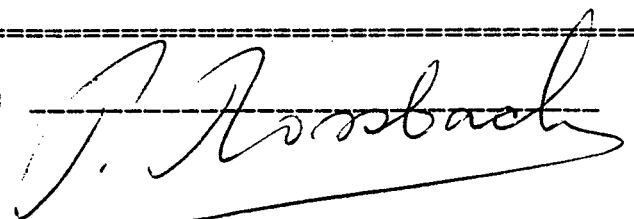
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 FILE NAME: MPH87331  
 PAGE # : 12

PROJECT: V 257  
 TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	FPB Au
S	L 15N 575W	5
S	550W	5
S	525W	5
S	500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	110
S	225W	30
S	200W	30
S	175W	5
S	150W	20
S	125W	40
S	100W	5
S	075W	5
S	050W	5
S	025W	5
S	L 15N 000	5
S	025E	5
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	300E	5
S	325E	5
S	350E	5
S	375E	5
S	L 15N 400E	5

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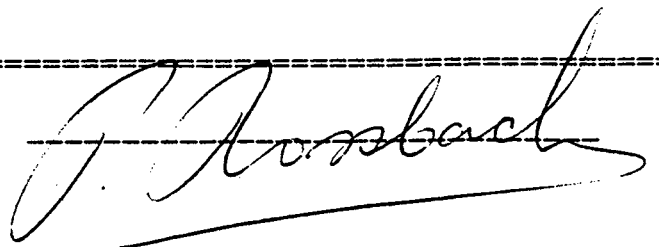
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FILE NAME: MPH87331  
PAGE # : 13

PROJECT: V 257  
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
6	L 15N 425E	5
6	450E	10
6	475E	5
6	400E	5
6	525E	5
6	L 15N 550E	5

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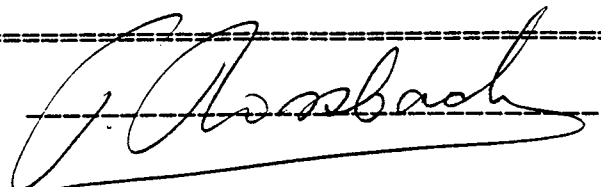
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CERTIFICATE#: 87320.R  
INVOICE#: 7782  
DATE ENTERED: 87-07-22  
FILE NAME: MPH87320.RE  
PAGE # : 1

PROJECT: V 257  
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	ORIG. PPB Au	RERUN PPB Au
S	L 4N 1+00W	5	30
S	1+25W	130	5
S	1+50W	5	5
S	3+00W	5	20
S	3+25W	2160	2620
S	3+50W	640	560
S	3+75W	280	360
S	4+00W	70	80
S	4+25W	30	10
S	4+50W	5	5
S	4+75W	20	5
S	L 4N 5+00W	20	5

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RECEIVED JUL 22 1987

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 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 MM FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: SOLUTION

DATE RECEIVED: JULY 15 1987

DATE REPORT MAILED: *July 20/87*

ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT - CERT#87304

File # 87-2455

Page 1 *V257*

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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S LON 6+00E	1	101	18	80	.1	37	19	502	7.39	12	5	ND	2	18	1	2	2	147	.29	.097	6	159	1.81	32	.24	2	4.74	.01	.05	1
S LON 5+75E	1	73	33	508	.6	40	49	774	5.62	11	5	ND	1	12	2	2	2	117	.27	.060	8	149	.94	36	.18	5	5.20	.01	.04	1
S LON 5+50E	1	72	21	106	.1	21	11	270	5.79	12	5	ND	2	8	1	2	2	114	.16	.069	5	112	.93	24	.17	4	4.72	.01	.03	2
S LON 5+25E	1	60	11	95	.1	29	15	377	6.94	9	5	ND	1	17	1	2	2	160	.29	.039	4	119	1.49	28	.29	2	3.17	.01	.03	1
S LON 5+00E	1	72	17	305	.1	31	16	349	7.47	6	5	ND	2	11	1	2	2	155	.19	.044	5	136	1.28	35	.28	4	3.57	.01	.03	1
S LON 4+75E	1	72	23	92	.3	22	16	432	7.30	11	5	ND	1	16	1	2	2	185	.22	.069	6	122	.94	30	.30	5	3.29	.01	.04	1
S LON 4+50E	1	38	14	48	.1	10	9	179	5.58	6	5	ND	2	13	1	3	2	155	.16	.048	5	76	.42	26	.24	4	2.32	.01	.02	2
S LON 4+25E	1	93	44	367	.1	29	20	1067	7.34	11	5	ND	2	14	2	2	2	161	.23	.078	7	118	1.31	44	.27	7	3.86	.01	.05	1
S LON 4+00E	1	92	20	167	.2	13	13	442	8.56	9	5	ND	2	11	1	2	2	206	.18	.097	4	99	.62	42	.28	6	3.12	.01	.04	1
S LON 3+75E	1	104	15	100	.1	31	16	491	7.25	9	5	ND	3	14	1	2	2	127	.24	.084	5	128	1.79	29	.23	5	5.40	.01	.04	1
S LON 3+50E	1	46	13	63	.1	25	14	531	6.38	4	5	ND	1	22	1	2	2	180	.25	.062	5	122	1.51	24	.48	7	2.58	.01	.03	1
S LON 3+25E	1	63	15	68	.1	19	12	382	6.43	6	5	ND	2	6	1	2	2	136	.14	.124	3	102	1.04	20	.24	4	3.74	.01	.02	1
S LON 3+00E	1	34	14	45	.1	11	8	212	7.88	4	5	ND	2	6	1	2	2	216	.10	.115	3	70	.47	20	.30	5	2.28	.01	.02	1
S LON 2+75E	1	15	13	25	.1	3	5	147	5.58	8	5	ND	1	7	1	5	2	248	.13	.092	3	38	.11	13	.32	4	1.22	.01	.01	1
S LON 2+50E	1	50	18	58	.1	13	11	385	8.80	11	5	ND	2	8	1	2	2	182	.14	.104	4	106	.61	24	.21	8	3.53	.01	.04	3
S LON 2+25E	1	83	17	76	.1	21	13	361	7.96	12	5	ND	2	9	1	2	2	172	.15	.080	5	101	1.00	30	.22	10	3.90	.01	.03	1
S LON 2+00E	1	73	16	66	.2	15	12	280	9.55	10	5	ND	2	8	1	2	2	173	.15	.125	3	91	.87	21	.29	2	2.81	.01	.03	1
S LON 1+75E	1	49	20	75	.3	19	12	240	8.61	10	5	ND	2	11	1	2	2	184	.15	.057	7	122	.85	71	.26	4	2.92	.01	.02	1
S LON 1+50E	1	27	15	48	.2	13	9	232	6.80	11	5	ND	2	10	1	2	2	150	.14	.097	4	70	.58	20	.21	6	2.34	.01	.02	2
S LON 1+25E	1	54	12	56	.2	14	11	257	7.42	13	5	ND	2	10	1	2	2	160	.18	.088	5	96	.67	24	.18	5	3.11	.01	.03	1
S LON 1+00E	1	68	22	94	.1	29	18	421	10.01	20	5	ND	2	6	1	2	2	197	.10	.117	6	137	1.42	33	.06	8	4.00	.01	.04	1
S LON 0+75E	1	73	11	84	.2	32	18	338	6.82	17	5	ND	2	4	1	2	2	97	.05	.049	5	69	1.05	72	.01	10	2.79	.01	.03	2
S LON 0+50E	1	98	10	77	.2	26	16	383	7.68	22	5	ND	2	5	1	2	2	110	.09	.123	4	82	.81	63	.03	10	2.97	.01	.04	1
S LON 0+25E	1	28	10	38	.1	12	8	183	3.68	12	5	ND	1	6	1	3	2	132	.09	.052	3	39	.27	46	.11	7	1.17	.01	.02	2
S LON 0+00E	1	195	26	147	.4	44	31	998	13.99	17	5	ND	3	4	1	2	2	108	.06	.092	9	101	.83	60	.02	15	3.15	.01	.05	2
S LON 0+25W	1	101	14	96	.2	24	29	925	6.68	11	5	ND	2	12	1	2	2	134	.31	.091	8	86	1.23	79	.15	10	3.13	.01	.04	1
S LON 0+50W	1	57	12	76	.1	20	16	536	7.29	8	5	ND	2	8	1	2	2	169	.13	.071	4	80	1.07	58	.23	10	2.61	.01	.05	2
S LON 0+75W	1	66	19	84	.2	20	24	973	7.58	11	5	ND	2	9	1	2	2	171	.10	.079	4	78	1.04	62	.29	7	3.06	.01	.05	1
S LON 1+00W	1	81	24	95	.2	24	16	473	6.91	9	5	ND	2	9	1	2	2	115	.08	.074	4	95	1.07	47	.20	6	3.99	.01	.04	1
S LON 1+25W	1	38	18	75	.1	9	12	788	9.17	6	5	ND	2	12	1	2	2	235	.20	.053	5	62	.43	53	.30	8	2.55	.01	.05	1
S LON 1+50W	1	84	19	63	.1	18	14	299	7.57	6	5	ND	2	8	1	2	2	142	.12	.061	4	112	.94	37	.18	11	4.31	.01	.04	1
S LON 1+75W	1	91	9	75	.3	21	27	541	6.52	6	5	ND	2	12	1	2	2	117	.25	.089	5	97	.79	78	.11	7	2.84	.01	.03	2
S LON 2+00W	1	37	10	44	.1	9	9	239	5.02	10	5	ND	2	5	1	3	2	128	.09	.046	3	39	.41	34	.09	8	1.61	.01	.02	1
S LON 2+25W	1	102	20	91	.1	18	16	469	7.78	19	6	ND	2	6	1	2	2	99	.07	.063	5	58	1.19	50	.10	11	3.36	.01	.05	1
S LON 2+50W	1	102	22	78	.2	18	13	397	7.47	22	5	ND	2	4	1	2	2	119	.05	.088	4	61	.69	47	.15	9	3.78	.01	.03	1
S LON 2+75W	1	70	14	181	.1	19	22	3665	5.90	3	5	ND	2	16	1	2	2	84	.62	.076	6	37	1.08	151	.05	14	3.44	.01	.06	1
S LON 3+00W	1	29	10	61	.1	8	14	403	7.81	3	5	ND	2	4	1	2	2	122	.08	.031	2	21	.99	40	.02	9	2.95	.01	.02	1
S LON 3+25W	1	35	9	58	.1	4	9	435	5.93	4	5	ND	2	4	1	3	2	86	.08	.047	5	11	.48	71	.01	6	2.24	.01	.03	1
S LON 3+50W	2	97	11	295	.1	12	23	6107	5.66	4	6	ND	2	17	6	2	2	93	.64	.087	8	16	.74	283	.04	14	3.31	.01	.05	1
S LON 3+75W	1	54	12	97	.1	9	17	1834	6.95	7	5	ND	2	17	1	2	2	122	.47	.057	10	22	.61	116	.04	13	2.81	.01	.05	1

RECEIVED JUL 27 1987

SAMPLE#	MO PPM	CU 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
S LON 4+00W	1	57	12	164	.4	13	13	353	9.89	9	5	ND	2	13	1	2	2	218	.17	.058	6	35	.58	57	.12	2	3.05	.01	.06	1
S LON 4+25W	1	37	5	43	.2	4	9	1020	3.41	2	5	ND	1	40	1	2	3	135	.20	.024	5	6	.27	77	.04	3	2.02	.01	.02	2
S LON 4+50W	1	58	7	85	.3	5	16	722	8.57	14	5	ND	3	13	1	2	2	175	.10	.069	5	19	1.05	33	.04	4	3.94	.01	.06	1
S LON 4+75W	1	52	10	51	.6	7	10	362	8.02	10	5	ND	2	13	1	2	2	204	.12	.100	6	25	.48	33	.12	3	2.69	.01	.05	1
S LON 5+00W	1	54	15	42	.6	4	10	408	9.71	7	5	ND	1	7	1	2	2	275	.07	.117	3	12	.37	11	.03	3	2.27	.01	.03	1
S LON 5+25W	1	87	16	89	.4	15	15	671	8.81	15	5	ND	2	15	1	2	2	204	.14	.071	6	41	1.06	50	.17	2	4.07	.01	.06	1
S LON 5+50W	1	138	14	99	.2	24	17	532	7.85	12	8	ND	2	9	1	2	3	127	.09	.049	7	48	1.63	41	.11	3	4.50	.01	.07	1
S LON 5+75W	1	77	21	105	.5	9	21	555	12.50	12	5	ND	2	5	1	2	2	349	.08	.086	2	62	1.90	49	.01	7	3.93	.01	.05	1
S LON 6+00W	1	83	12	106	.8	11	12	360	10.30	11	7	ND	2	9	1	2	3	172	.14	.068	5	41	.60	37	.06	3	2.92	.01	.04	1
S LIN 6+00E	1	71	14	254	.2	33	41	851	4.83	13	5	ND	3	10	1	2	2	118	.16	.079	10	146	.63	31	.15	3	5.49	.01	.03	1
S LIN 5+75E	1	173	22	559	.3	48	34	823	6.64	13	6	ND	2	30	4	2	2	143	.57	.069	13	177	1.52	50	.24	7	5.44	.01	.05	1
S LIN 5+50E	1	120	24	273	.6	39	28	516	10.21	20	5	ND	2	32	2	2	2	260	.66	.110	7	167	1.23	49	.33	4	4.59	.01	.04	1
S LIN 5+25E	1	75	18	205	.4	27	25	2289	5.09	8	5	ND	2	46	2	2	2	145	.94	.068	9	75	.89	76	.20	9	3.02	.01	.05	1
S LIN 5+00E	1	138	8	173	.1	54	23	746	5.80	6	5	ND	2	27	1	2	2	136	.48	.025	7	108	2.17	68	.18	7	3.93	.01	.07	1
S LIN 4+75E	1	20	2	35	.2	5	4	113	3.57	2	5	ND	1	18	1	3	2	229	.22	.037	5	39	.09	20	.40	6	.94	.01	.02	1
S LIN 4+50E	1	34	5	60	.2	9	9	229	5.05	4	5	ND	1	24	1	5	2	166	.33	.051	6	55	.47	35	.30	11	1.72	.01	.03	1
S LIN 4+25E	1	33	10	45	.4	12	9	268	5.57	3	5	ND	2	24	1	2	2	197	.34	.050	5	68	.56	26	.36	2	1.87	.01	.02	1
S LIN 4+00E	2	70	12	84	.2	26	16	343	7.36	7	5	ND	2	16	1	2	3	162	.25	.078	5	93	1.04	39	.23	8	3.85	.01	.04	1
S LIN 3+75E	2	51	15	78	.4	15	12	337	7.69	9	5	ND	1	18	1	2	2	221	.23	.060	7	78	.81	47	.21	6	3.07	.01	.05	1
S LIN 3+50E	1	81	24	109	.7	17	16	1399	9.70	11	5	ND	3	23	2	2	2	248	.32	.210	6	132	.72	38	.34	9	4.52	.02	.15	1
S LIN 3+25E	2	64	26	62	.5	13	11	236	12.20	7	7	ND	2	13	1	2	2	332	.13	.102	4	115	.53	21	.53	3	3.22	.01	.03	1
S LIN 3+00E	1	36	9	46	.1	12	9	178	6.48	8	5	ND	1	12	1	3	2	215	.16	.060	5	70	.57	18	.19	3	2.20	.01	.02	1
S LIN 2+75E	1	49	14	65	.2	14	9	212	5.71	6	5	ND	1	13	1	2	4	154	.16	.035	6	77	.61	24	.17	5	2.57	.01	.03	1
S LIN 2+50E	2	59	17	76	.2	20	11	258	7.45	17	5	ND	1	13	1	2	2	183	.15	.056	6	92	.69	38	.11	10	3.17	.01	.05	1
S LIN 2+25E	3	72	15	99	.3	21	17	411	7.65	11	6	ND	1	26	1	2	3	184	.51	.066	6	83	1.18	126	.15	10	3.22	.01	.07	1
S LIN 2+00E	4	67	14	77	.4	20	14	276	8.07	7	5	ND	1	21	1	2	2	197	.41	.112	4	138	.88	37	.37	10	2.26	.01	.04	1
S LIN 1+75E	2	24	8	49	.2	15	8	158	5.11	3	5	ND	2	12	1	2	2	174	.15	.034	7	90	.59	23	.13	7	2.37	.01	.03	1
S LIN 1+50E	2	38	17	60	.2	15	11	301	5.54	9	5	ND	1	13	1	2	2	170	.23	.038	7	70	.82	65	.13	8	3.02	.01	.03	1
S LIN 1+25E	3	111	19	116	.5	33	19	551	7.24	16	5	ND	2	15	1	3	2	148	.27	.054	7	86	1.53	90	.13	7	3.91	.01	.06	1
S LIN 1+00E	3	67	14	79	.2	19	15	404	7.78	16	5	ND	2	15	1	2	2	174	.23	.057	7	77	1.11	69	.18	11	3.58	.01	.03	1
S LIN 0+75E	3	55	8	95	.2	20	16	378	6.92	12	5	ND	2	31	1	2	2	162	.34	.036	7	69	.96	98	.22	10	3.12	.01	.04	1
S LIN 0+50E	4	41	12	93	.1	17	16	291	6.19	11	5	ND	1	15	1	2	2	147	.27	.048	7	63	.57	100	.07	7	2.27	.01	.04	1
S LIN 0+25E	4	141	16	182	.3	43	28	2712	6.07	13	5	ND	1	22	2	2	2	112	.52	.065	10	126	1.88	118	.11	7	4.00	.01	.06	1
S LIN 0+00E	4	117	17	139	.1	29	31	732	7.02	9	5	ND	2	13	1	2	2	130	.22	.064	9	100	1.16	71	.15	9	3.66	.01	.05	1
S LIN 0+25W	4	195	9	146	.2	54	31	1007	7.03	19	5	ND	1	24	1	2	2	130	.48	.046	9	115	2.61	98	.13	6	4.26	.01	.08	2
S LIN 0+50W	3	39	8	101	.1	21	16	487	7.23	9	5	ND	2	16	1	2	2	249	.21	.040	6	128	.90	58	.39	6	2.38	.01	.04	1
S LIN 0+75W	4	38	16	101	.3	22	16	493	7.53	12	5	ND	1	14	1	2	2	275	.18	.050	7	120	.80	56	.41	7	2.25	.01	.04	1
S LIN 1+00W	5	91	11	138	.3	38	21	784	8.52	10	6	ND	2	7	1	2	5	204	.13	.072	8	157	1.52	65	.10	15	3.70	.01	.09	1
S LIN 1+25W	5	149	23	143	.3	28	32	4387	6.50	14	5	ND	1	12	1	2	3	109	.26	.129	10	90	.86	143	.04	8	3.75	.01	.07	1
S LIN 1+50W	5	130	11	143	.1	29	22	1316	6.79	7	6	ND	2	28	1	2	2	126	.61	.058	9	60	1.18	195	.04	7	4.33	.01	.05	1
STD C	20	57	35	120	6.9	64	28	913	3.71	37	19	7	32	47	17	18	21	53	.45	.081	37	53	.82	173	.08	36	1.74	.06	.13	15

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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S LIN 1+75W	1	87	20	72	.5	23	18	287	6.17	16	5	ND	1	24	1	2	3	103	.77	.040	5	59	1.17	252	.01	2	3.54	.01	.06	2
S LIN 2+00W	1	57	12	78	.1	16	13	332	7.75	13	6	ND	1	7	1	2	2	163	.10	.051	13	59	.88	64	.03	2	4.02	.01	.06	1
S LIN 2+25W	1	43	15	75	.1	16	12	453	7.74	14	6	ND	1	10	1	2	2	174	.28	.086	5	85	.89	47	.14	3	3.00	.01	.04	2
S LIN 2+50W	1	85	15	92	.1	14	16	533	8.60	11	5	ND	1	5	1	2	2	135	.09	.058	5	41	1.22	72	.03	2	4.56	.01	.05	2
S LIN 2+75W	1	76	12	75	.1	13	16	1032	6.71	13	7	ND	1	9	1	2	2	109	.16	.077	8	28	.90	77	.05	3	3.61	.01	.07	1
S LIN 3+00W	1	42	6	54	.1	8	11	578	6.29	7	5	ND	1	10	1	2	4	116	.08	.042	13	21	.96	86	.01	2	4.13	.01	.07	2
S LIN 3+25W	1	31	2	57	.1	9	11	307	8.82	10	5	ND	1	8	1	3	2	86	.07	.054	10	20	.59	62	.01	2	3.15	.01	.06	1
S LIN 3+50W	3	120	20	340	.2	13	21	5657	6.91	10	5	ND	2	26	3	2	2	129	.62	.091	12	27	.68	244	.05	2	5.14	.01	.06	2
S LIN 3+75W	1	54	15	80	.1	10	19	382	8.20	7	5	ND	1	4	1	2	2	184	.08	.033	3	33	1.29	97	.01	4	3.75	.01	.04	1
S LIN 4+00W	1	147	16	81	.1	8	15	595	13.39	10	7	ND	1	11	1	2	2	259	.10	.066	3	28	.95	47	.11	3	4.22	.01	.05	3
S LIN 4+25W	1	123	16	107	.2	13	21	625	8.39	15	5	ND	1	9	1	2	2	150	.12	.056	6	36	1.19	53	.12	10	4.52	.01	.07	2
S LIN 4+50W	1	68	9	52	.1	1	12	545	11.39	7	5	ND	1	4	1	2	2	219	.10	.114	2	9	.65	34	.03	2	2.79	.01	.06	2
S LIN 4+75W	1	123	13	151	.4	10	24	1608	7.05	12	5	ND	1	13	1	2	2	133	.41	.063	5	27	.82	97	.08	4	4.45	.01	.05	2
S LIN 5+00W	1	123	18	149	.4	22	34	4764	5.59	12	5	ND	1	15	1	2	2	88	.48	.113	7	47	1.17	121	.06	2	4.89	.01	.09	2
S LIN 5+25W	1	130	24	71	.7	12	19	469	11.98	31	6	ND	1	5	1	2	2	175	.09	.102	4	41	.93	30	.11	4	3.94	.01	.07	2
S LIN 5+50W	1	32	3	41	.1	10	13	346	5.89	9	5	ND	1	21	1	2	2	174	.25	.042	4	29	.70	20	.20	3	2.90	.01	.03	2
S LIN 5+75W	1	15	8	42	.1	9	9	249	7.34	7	5	ND	1	7	1	3	2	211	.09	.045	7	37	.40	18	.09	2	2.54	.01	.03	2
S LIN 6+00W	1	76	24	63	.2	11	13	381	13.85	12	5	ND	1	6	1	2	2	225	.09	.102	3	78	.75	30	.17	5	4.08	.01	.05	4
S L2N 6+00E	1	39	13	45	.1	10	8	227	6.53	7	5	ND	1	20	1	3	2	201	.29	.058	5	62	.44	29	.33	6	2.17	.01	.03	1
S L2N 5+75E	1	85	17	121	.1	28	19	419	8.14	14	5	ND	1	23	1	2	2	170	.36	.103	6	101	1.25	53	.30	3	3.82	.01	.04	1
S L2N 5+50E	1	39	14	42	.1	11	9	223	5.55	7	5	ND	1	19	1	4	2	172	.33	.052	6	64	.47	29	.26	6	2.27	.01	.03	2
S L2N 5+25E	1	98	11	81	.2	29	17	468	6.45	12	5	ND	1	17	1	2	2	139	.30	.090	5	103	1.57	33	.24	6	4.31	.01	.04	1
S L2N 5+00E	1	160	19	94	.1	40	19	469	6.74	13	5	ND	1	15	1	2	2	126	.34	.095	4	112	1.81	33	.27	7	4.92	.01	.04	3
S L2N 4+75E	1	38	12	45	.3	9	8	219	4.96	10	5	ND	1	20	1	4	2	165	.33	.088	6	49	.43	33	.30	8	2.27	.01	.04	1
S L2N 4+50E	1	49	9	47	.4	13	9	230	5.61	12	5	ND	1	19	1	3	2	162	.33	.062	8	66	.50	26	.24	7	2.85	.01	.03	2
S L2N 4+25E	1	71	12	63	.1	20	12	342	7.86	18	5	ND	1	16	1	2	2	156	.25	.086	6	99	.95	33	.21	6	3.85	.01	.04	3
S L2N 4+00E	1	109	14	90	.2	21	17	407	9.60	16	5	ND	1	13	1	2	2	173	.20	.134	5	103	.99	39	.20	6	4.45	.01	.04	2
S L2N 3+75E	1	74	19	85	.2	20	16	394	10.30	16	5	ND	1	14	1	2	2	206	.20	.116	6	113	1.12	41	.22	2	4.35	.01	.06	2
S L2N 3+50E	1	123	12	92	.2	34	20	477	9.77	25	5	ND	1	12	1	2	2	182	.16	.068	6	132	1.62	55	.14	5	5.24	.01	.07	2
S L2N 3+25E	1	44	11	64	.1	26	13	282	6.56	9	5	ND	1	17	1	2	4	204	.24	.050	7	132	.92	34	.11	6	2.96	.01	.04	1
S L2N 3+00E	1	45	11	48	.1	11	11	242	8.13	16	5	ND	2	19	1	4	2	238	.27	.077	5	94	.54	27	.47	9	2.75	.01	.04	3
S L2N 2+75E	1	116	5	144	.2	35	22	1024	5.52	13	6	ND	2	25	1	2	2	116	.68	.069	11	102	1.24	137	.11	8	5.38	.01	.06	3
S L2N 2+50E	1	64	14	112	.3	15	16	339	8.03	12	5	ND	1	20	1	2	2	184	.34	.081	7	74	.67	62	.16	4	3.51	.01	.05	2
S L2N 2+25E	1	94	17	120	.1	24	23	472	7.17	11	5	ND	1	18	1	2	3	156	.33	.067	7	84	1.17	80	.14	8	4.12	.01	.06	1
S L2N 2+00E	1	94	8	79	.3	15	14	311	7.88	12	6	ND	2	13	1	2	2	170	.22	.071	6	75	.53	39	.16	6	3.77	.01	.03	1
S L2N 1+75E	1	49	14	68	.4	16	12	316	8.61	11	6	ND	2	18	1	2	2	206	.22	.075	6	87	.76	43	.24	7	3.61	.01	.04	2
S L2N 1+50E	1	60	12	79	.1	18	12	360	7.87	16	7	ND	2	12	1	2	2	164	.17	.071	6	95	.74	53	.18	5	4.59	.01	.05	1
S L2N 1+25E	1	88	13	83	.3	16	15	412	6.77	14	5	ND	2	11	1	4	2	139	.19	.096	7	91	.74	46	.18	7	5.07	.01	.05	2
S L2N 1+00E	1	57	12	78	.2	35	19	740	7.13	14	5	ND	2	17	1	2	2	138	.18	.135	6	142	1.41	68	.27	10	4.01	.01	.06	1
S L2N 0+75E	1	75	17	91	.2	25	16	511	8.42	18	5	ND	2	16	1	2	2	133	.20	.141	5	96	1.11	52	.29	6	4.43	.01	.06	1
STD C	19	58	39	126	7.3	67	29	953	3.97	41	16	8	35	49	17	14	22	56	.47	.086	39	57	.87	182	.09	36	1.86	.07	.15	12



SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CD PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CO PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	M PPM
S L2N 0+50E	1	18	8	43	.2	4	5	251	2.47	4	5	ND	1	19	1	3	2	87	.26	.041	5	25	.14	26	.15	2	1.01	.01	.02	2
S L2N 0+25E	1	62	20	77	.1	22	15	435	9.39	31	5	ND	2	8	1	2	2	183	.11	.139	6	94	.83	43	.13	2	3.68	.01	.04	2
S L2N 0+00E	1	62	30	83	.4	21	14	371	9.17	56	5	ND	2	5	1	3	2	126	.08	.082	9	117	1.00	70	.02	2	4.13	.01	.05	1
S L2N 0+25W	1	85	21	81	.1	27	22	1394	6.96	7	5	ND	1	27	1	2	2	177	.40	.068	9	120	1.24	59	.27	3	3.12	.01	.05	1
S L2N 0+50W	1	248	33	146	.1	63	34	1900	6.28	10	5	ND	1	47	3	2	2	170	1.36	.092	12	218	4.33	94	.26	4	4.08	.01	.08	1
S L2N 0+75W	1	293	30	82	.1	40	25	899	5.95	14	5	ND	1	34	1	2	4	141	.70	.070	11	129	1.74	73	.26	9	4.18	.01	.07	1
S L2N 1+00W	1	96	19	93	.1	32	24	679	9.47	16	5	ND	1	17	1	2	2	168	.27	.091	6	130	1.54	66	.29	3	3.93	.01	.06	1
S L2N 1+25W	1	72	19	84	.1	32	18	453	10.26	9	5	ND	2	12	1	2	2	250	.19	.089	5	165	1.70	63	.36	2	3.75	.01	.07	1
S L2N 1+50W	1	62	27	81	.1	20	14	560	8.77	12	5	ND	1	17	1	5	2	214	.17	.076	7	83	.77	88	.20	4	2.84	.01	.05	1
S L2N 1+75W	1	67	21	118	.5	19	18	637	7.29	16	5	ND	1	16	1	3	2	169	.20	.058	7	57	.75	96	.13	2	3.13	.01	.06	2
S L2N 2+00W	1	64	19	86	.5	13	16	677	6.06	14	5	ND	1	8	1	2	3	130	.10	.052	5	45	.57	79	.09	2	2.34	.01	.03	1
S L2N 2+25W	1	38	9	49	.1	7	10	376	5.73	8	5	ND	1	4	1	5	2	98	.04	.073	7	20	.43	26	.03	2	2.23	.01	.07	3
S L2N 2+50W	1	61	15	59	.1	7	13	570	6.02	8	5	ND	1	6	1	3	2	113	.06	.060	5	18	.71	52	.04	4	3.57	.01	.02	1
S L2N 2+75W	1	35	16	52	.1	8	12	547	8.04	11	5	ND	2	5	1	2	2	119	.03	.089	13	18	.71	44	.02	6	3.48	.01	.05	1
S L2N 3+00W	1	42	10	51	.1	5	12	543	6.84	13	5	ND	1	8	1	2	2	175	.11	.080	6	20	.63	37	.05	3	2.42	.01	.04	1
S L2N 3+25W	1	78	23	59	.4	3	11	347	10.60	9	5	ND	1	8	1	3	2	261	.05	.064	3	20	.62	20	.03	4	2.71	.01	.02	1
S L2N 3+50W	1	74	17	73	.3	14	13	393	6.61	23	5	ND	1	8	1	7	2	144	.11	.061	6	42	.74	54	.06	5	2.16	.01	.05	1
S L2N 3+75W	1	49	13	42	.1	8	11	287	9.80	12	5	ND	1	8	1	6	2	295	.07	.072	5	28	.31	25	.18	4	2.21	.01	.02	2
S L2N 4+00W	1	110	30	309	.2	7	23	1043	7.82	5	5	ND	2	22	3	2	2	128	.71	.071	9	29	.85	316	.02	9	4.33	.01	.08	1
S L2N 4+25W	1	119	31	193	.3	12	21	857	6.99	9	5	ND	1	24	1	2	2	150	.35	.079	8	23	.59	135	.04	3	4.09	.01	.05	1
S L2N 4+50W	1	164	38	178	.1	14	34	801	7.22	15	5	ND	2	10	1	2	2	116	.23	.085	11	32	.72	123	.03	4	5.21	.01	.04	1
S L2N 4+75W	1	111	21	100	.1	25	19	509	8.52	30	5	ND	2	3	1	2	2	115	.03	.052	3	68	1.30	53	.05	6	3.80	.01	.05	1
S L2N 5+00W	1	56	10	58	.1	10	13	533	7.86	10	5	ND	1	6	1	2	2	197	.06	.057	3	29	1.07	35	.20	6	3.03	.01	.04	1
S L2N 5+25W	1	66	15	66	.1	15	13	366	9.72	13	5	ND	2	6	1	2	2	250	.05	.089	2	61	1.12	17	.33	6	3.53	.01	.03	1
S L2N 5+50W	1	92	31	78	.2	17	15	365	7.83	19	5	ND	2	4	1	2	2	109	.03	.087	3	76	.88	34	.07	2	5.84	.01	.04	1
S L2N 5+75W	1	93	11	88	.5	27	17	450	7.60	28	5	ND	2	4	1	2	2	97	.03	.081	6	75	1.05	32	.05	2	3.82	.01	.04	1
S L2N 6+00W	1	43	16	51	.7	9	11	260	7.93	22	5	ND	2	3	1	2	2	151	.02	.070	4	41	.51	16	.06	8	2.36	.01	.02	2
STD C	20	61	42	129	7.2	65	29	988	3.92	41	21	8	36	51	18	18	20	59	.46	.092	41	58	.86	188	.09	36	1.83	.07	.15	13

GEOCHEMICAL ICP ANALYSIS

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. NO DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: SOLUTION

DATE RECEIVED: JULY 15 1987

DATE REPORT MAILED:

ASSAYER: *[Signature]* DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT#87320

File # 87-2460

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SAMPLED	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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	
S L3N 6+00E	2	117	16	128	.1	59	29	945	6.21	28	5	ND	1	14	1	2	2	97	.33	.057	8	112	1.57	86	.03	11	2.87	.01	.09	1
S L3N 5+75E	3	156	21	131	.1	71	35	1563	7.32	36	5	ND	1	19	1	2	2	110	.42	.049	12	123	1.70	135	.03	10	3.45	.01	.07	1
S L3N 5+50E	1	45	14	77	.1	30	12	248	5.44	13	5	ND	2	14	1	2	2	140	.23	.037	7	88	.88	64	.06	4	2.77	.01	.05	2
S L3N 5+25E	2	129	16	109	.1	48	20	580	6.98	19	5	ND	1	22	1	2	2	148	.37	.027	6	112	2.04	94	.16	7	4.46	.01	.06	1
S L3N 5+00E	3	104	15	80	.1	26	14	331	7.70	19	5	ND	1	14	1	2	2	162	.18	.052	5	95	1.01	49	.10	6	3.69	.01	.05	1
S L3N 4+75E	2	60	17	82	.1	24	13	359	6.37	11	5	ND	1	19	1	2	2	149	.31	.045	6	79	1.05	49	.16	9	3.18	.01	.05	1
S L3N 4+50E	1	69	9	70	.1	29	17	661	5.06	15	5	ND	1	13	1	2	2	122	.25	.034	8	81	.84	74	.07	8	2.60	.01	.06	1
S L3N 4+25E	8	368	26	133	.2	65	35	1244	13.75	112	5	ND	2	8	1	2	2	106	.17	.105	16	92	.71	102	.01	12	3.56	.01	.09	2
S L3N 4+00E	1	33	17	49	.1	10	8	177	6.33	10	5	ND	2	12	1	2	2	199	.18	.029	7	52	.36	26	.11	8	2.16	.01	.02	1
S L3N 3+75E	1	48	15	63	.1	22	11	163	5.01	14	5	ND	1	11	1	2	2	159	.14	.026	6	65	.47	53	.03	5	2.49	.01	.04	1
S L3N 3+50E	1	46	15	83	.1	12	10	209	4.51	6	5	ND	1	19	1	2	2	102	.32	.028	7	35	.22	67	.13	7	2.56	.01	.03	1
S L3N 3+25E	1	41	7	54	.1	10	8	400	4.31	5	5	ND	1	12	1	2	2	102	.26	.055	5	32	.46	45	.07	4	2.07	.01	.06	1
S L3N 3+00E	3	70	13	86	.1	18	14	481	8.23	14	5	ND	1	7	1	2	2	115	.11	.061	8	34	.43	50	.01	8	2.44	.01	.04	1
S L3N 2+75E	2	41	10	71	.1	12	11	424	6.58	10	5	ND	1	7	1	2	2	123	.31	.059	8	19	.14	50	.03	6	1.58	.01	.03	1
S L3N 2+50E	1	28	8	48	.1	10	6	238	3.28	5	5	ND	1	15	1	2	2	97	.29	.043	6	33	.34	53	.03	5	1.44	.01	.04	2
S L3N 2+25E	2	60	18	71	.2	17	11	339	6.95	15	5	ND	1	11	1	2	2	149	.19	.074	7	57	.64	36	.15	10	3.43	.01	.04	1
S L3N 2+00E	3	61	19	61	.2	13	12	402	8.12	18	5	ND	2	12	1	2	2	166	.19	.087	7	74	.71	34	.19	8	3.84	.01	.04	1
S L3N 1+75E	1	27	12	38	.3	8	6	321	3.59	13	5	ND	1	10	1	2	2	122	.22	.061	5	37	.33	22	.15	3	1.60	.01	.03	1
S L3N 1+50E	4	151	24	118	.4	38	17	554	7.52	27	5	ND	2	8	1	2	2	133	.14	.124	5	139	1.39	52	.13	8	7.48	.01	.05	1
S L3N 1+25E	4	86	14	203	.5	34	33	1543	6.61	17	5	ND	1	11	1	2	2	133	.28	.149	9	81	.53	140	.04	4	5.63	.01	.05	1
S L3N 1+00E	2	57	15	77	.1	15	13	556	7.11	14	5	ND	1	11	1	2	2	143	.17	.087	5	73	.64	48	.11	10	3.91	.01	.04	2
S L3N 0+75E	3	64	24	97	.1	22	20	1097	8.43	23	5	ND	1	7	1	2	2	118	.11	.143	4	93	.95	45	.09	6	5.78	.01	.05	1
S L3N 0+50E	2	62	10	68	.2	16	11	487	7.17	19	5	ND	1	9	1	2	2	139	.15	.112	5	68	.74	30	.14	7	3.56	.01	.04	1
S L3N 0+25E	2	47	15	60	.3	16	11	296	10.45	13	5	ND	1	7	1	2	2	213	.09	.120	5	127	.72	26	.12	16	3.44	.01	.04	1
S L3N 0+00E	2	67	17	102	.3	15	17	580	6.89	9	6	ND	1	13	1	2	2	133	.13	.097	5	56	.77	52	.11	12	3.98	.01	.05	1
S L3N 0+25W	2	46	17	81	.3	19	15	797	7.68	6	5	ND	1	16	1	2	2	181	.21	.072	4	117	.75	48	.33	8	2.42	.01	.04	1
S L3N 0+50W	2	77	21	134	.1	52	24	1186	6.38	9	5	ND	1	9	1	2	2	171	.18	.039	6	172	3.25	54	.33	14	4.10	.01	.09	1
S L3N 0+75W	1	63	2	106	.1	61	19	888	3.49	4	5	ND	1	34	1	2	2	87	1.16	.095	6	115	3.06	81	.19	7	2.59	.01	.14	1
S L3N 1+50W	2	67	22	161	.1	44	24	936	6.45	6	5	ND	1	10	2	2	2	182	.26	.048	7	186	2.46	49	.32	8	2.85	.01	.03	1
S L3N 1+75W	4	48	15	149	.2	20	13	358	7.64	12	5	ND	2	21	2	3	2	150	.53	.061	5	68	.85	78	.15	7	2.68	.01	.05	1
S L3N 2+00W	3	96	18	124	.4	29	18	466	6.75	23	5	ND	1	12	1	2	4	96	.14	.043	8	75	1.46	70	.08	10	4.18	.01	.06	1
S L3N 2+25W	3	54	19	134	.2	10	13	478	8.07	11	5	ND	1	7	1	2	2	146	.17	.056	4	39	.51	58	.06	10	3.73	.01	.06	1
S L3N 2+50W	2	111	25	74	.2	13	17	910	8.15	9	5	ND	1	12	1	2	2	205	.21	.051	4	35	1.00	34	.40	10	3.38	.01	.04	2
S L3N 2+75W	2	37	15	51	.1	9	9	306	6.74	11	5	ND	1	15	1	2	2	143	.23	.037	5	18	.50	40	.07	6	2.72	.01	.03	1
S L3N 3+00W	1	117	19	68	.4	6	13	597	5.10	8	5	ND	1	9	1	2	2	97	.13	.071	7	18	.29	50	.03	5	4.04	.01	.06	1
S L3N 3+25W	2	48	15	68	.1	8	12	483	8.80	13	5	ND	2	13	1	2	2	230	.12	.082	6	30	.66	26	.12	7	3.62	.01	.05	1
S L3N 3+50W	3	121	21	109	.1	22	17	649	9.01	13	5	ND	2	9	1	2	4	151	.10	.056	6	68	1.51	57	.11	17	5.28	.01	.10	1
S L3N 3+75W	1	30	10	41	.1	8	8	314	5.17	5	5	ND	1	14	1	4	2	173	.15	.050	5	17	.42	21	.11	9	2.12	.01	.05	1
S L3N 4+00W	4	94	21	620	.1	14	37	648	9.10	16	6	ND	1	8	2	2	2	160	.18	.043	7	36	.80	87	.03	8	4.47	.01	.06	4
S L3N 4+25W	2	103	22	480	.2	30	21	1440	6.25	13	5	ND	2	16	3	2	2	107	.40	.035	9	53	1.39	136	.03	3	3.59	.01	.08	3

RECEIVED JUL 27 1987

SAMPLE#	MO	CU	FR	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SR	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S L3N 4+50W	1	32	13	38	.1	7	9	138	4.75	8	5	ND	1	5	1	2	2	145	.08	.023	7	18	.16	31	.06	2	1.44	.01	.04	1
S L3N 4+75W	3	31	7	46	.1	9	10	215	6.53	8	5	ND	1	5	1	2	2	156	.05	.044	5	29	.48	26	.06	2	2.99	.01	.03	1
S L3N 5+00W	1	81	15	70	.1	14	16	301	8.11	11	5	ND	1	4	1	2	2	136	.03	.057	7	45	1.08	29	.03	2	3.31	.01	.04	1
S L3N 5+25W	1	21	12	41	.2	9	9	235	9.82	3	5	ND	1	4	1	2	2	389	.10	.077	2	47	.39	13	.46	3	1.77	.01	.02	1
S L3N 5+50W	1	83	15	91	.1	18	15	392	8.81	22	5	ND	1	7	1	2	4	161	.07	.056	5	65	1.03	39	.15	2	4.02	.01	.04	1
S L3N 5+75W	1	62	15	60	.2	11	12	343	12.58	24	5	ND	1	5	1	2	4	199	.05	.105	5	77	.50	19	.09	3	2.66	.01	.04	1
S L3N 6+00W	1	93	8	125	.2	13	20	1302	6.05	9	7	ND	1	9	1	2	2	79	.28	.061	5	30	.90	113	.01	2	2.39	.01	.06	1
S L4N 6+00E	1	98	17	90	.1	44	21	445	6.28	8	5	ND	2	14	1	2	2	128	.33	.054	4	101	1.61	52	.17	2	3.90	.01	.04	1
S L4N 5+75E	1	65	14	67	.1	24	17	367	5.34	4	5	ND	1	14	1	2	2	141	.42	.059	5	80	.89	42	.20	3	2.95	.01	.02	1
S L4N 5+50E	1	119	12	106	.1	28	18	333	7.40	10	5	ND	2	11	1	2	2	139	.24	.160	6	110	.94	29	.18	2	5.68	.01	.03	1
S L4N 5+25E	1	55	5	98	.1	24	18	709	5.51	7	5	ND	1	15	1	2	2	113	.31	.189	5	77	1.07	31	.16	3	3.11	.01	.04	1
S L4N 5+00E	1	17	7	26	.1	7	6	143	4.49	6	5	ND	1	9	1	2	2	137	.16	.044	5	36	.23	19	.18	5	1.43	.01	.01	1
S L4N 4+75E	1	88	14	84	.1	22	16	468	8.05	14	5	ND	2	8	1	2	2	149	.17	.100	5	93	1.14	44	.19	2	3.95	.01	.03	1
S L4N 4+50E	1	53	11	61	.1	18	12	507	5.68	11	5	ND	1	10	1	2	2	121	.24	.081	4	59	.83	34	.14	4	2.66	.01	.03	1
S L4N 4+25E	1	38	7	64	.1	13	10	224	5.49	7	5	ND	1	11	1	2	2	112	.22	.054	5	49	.51	46	.10	2	2.44	.01	.03	1
S L4N 4+00E	2	153	11	165	.2	48	29	1255	6.91	10	5	ND	2	9	1	2	2	106	.15	.097	6	109	.64	94	.11	2	7.29	.01	.05	2
S L4N 3+75E	1	79	10	71	.1	19	12	338	8.09	12	5	ND	1	9	1	2	2	167	.16	.067	4	70	.97	53	.14	7	3.43	.01	.03	1
S L4N 3+50E	1	56	5	71	.1	13	12	293	8.29	5	5	ND	1	3	1	2	2	91	.03	.068	11	24	.26	56	.01	4	2.60	.01	.03	1
S L4N 3+25E	1	72	13	78	.1	18	13	601	5.74	10	5	ND	1	8	1	2	2	111	.22	.096	4	54	.99	42	.09	2	3.32	.01	.04	1
S L4N 3+00E	1	17	9	33	.1	10	8	302	4.27	5	5	ND	1	10	1	2	2	115	.12	.043	8	30	.13	36	.06	3	1.35	.01	.02	1
S L4N 2+75E	1	26	7	47	.1	8	7	253	4.16	3	5	ND	1	8	1	2	2	105	.22	.070	5	32	.26	31	.15	3	1.86	.01	.03	1
S L4N 2+50E	1	52	7	66	.1	21	14	383	8.18	22	5	ND	1	3	1	3	2	109	.05	.066	7	39	.29	31	.01	9	2.46	.01	.02	1
S L4N 2+25E	1	20	7	39	.1	10	7	366	5.63	7	5	ND	1	4	1	2	2	121	.11	.065	4	36	.22	31	.07	9	1.94	.01	.02	1
S L4N 2+00E	1	59	14	79	.1	17	12	348	7.56	23	5	ND	2	6	1	2	2	152	.12	.099	4	64	.75	32	.16	5	2.91	.01	.03	1
S L4N 1+75E	1	57	13	72	.1	17	13	376	6.57	16	5	ND	2	7	1	2	2	136	.12	.080	6	61	.62	33	.12	6	3.10	.01	.03	1
S L4N 1+50E	1	40	9	68	.3	10	8	207	4.59	10	5	ND	1	5	1	3	2	114	.07	.045	8	50	.21	50	.02	7	2.30	.01	.02	1
S L4N 1+25E	1	26	8	37	.1	7	7	194	4.43	13	5	ND	1	4	1	2	2	147	.10	.037	6	19	.13	34	.14	6	1.29	.01	.01	1
S L4N 1+00E	1	87	10	90	.2	27	16	403	10.22	17	5	ND	2	6	1	2	2	153	.08	.112	5	125	1.25	51	.13	12	4.17	.01	.04	1
S L4N 0+75E	1	51	14	65	.2	18	12	340	6.93	14	5	ND	1	5	1	2	2	137	.08	.107	4	87	.74	35	.10	6	3.36	.01	.04	1
S L4N 0+50E	1	97	10	108	.3	18	16	409	9.69	15	5	ND	2	6	1	2	2	141	.06	.064	5	61	1.05	45	.04	9	4.13	.01	.04	2
S L4N 0+25E	1	74	17	169	.7	20	17	459	7.23	21	5	ND	2	9	1	2	2	118	.12	.089	6	77	.88	64	.09	9	4.32	.01	.04	1
S L4N 0+00E	1	53	8	73	.1	13	12	280	8.64	17	5	ND	1	5	1	2	2	167	.06	.054	4	58	.52	27	.13	8	3.33	.01	.03	1
S L4N 0+25W	1	69	15	121	.6	21	17	416	6.92	20	5	ND	1	6	1	2	2	122	.08	.075	5	62	.80	62	.05	10	3.67	.01	.04	2
S L4N 0+50W	1	38	11	63	.2	7	10	288	9.14	15	5	ND	1	5	1	2	2	163	.07	.083	4	47	.29	37	.06	12	2.38	.01	.03	1
S L4N 0+75W	1	46	6	55	.3	11	11	292	6.81	20	5	ND	1	5	1	4	2	147	.06	.062	4	44	.44	41	.07	12	2.03	.01	.03	2
S L4N 1+00W	1	18	4	37	.2	6	6	141	2.38	10	5	ND	1	8	1	2	2	106	.07	.030	6	16	.07	33	.09	3	1.08	.01	.02	1
S L4N 1+25W	1	21	6	121	.1	69	23	432	6.92	5	5	ND	1	10	1	2	2	191	.08	.035	5	236	3.98	73	.47	9	5.06	.01	.12	1
S L4N 1+50W	1	25	9	48	.1	9	10	264	7.03	6	5	ND	2	30	1	2	2	192	.14	.078	5	49	.69	24	.31	8	2.42	.01	.04	1
S L4N 1+75W	1	40	14	58	.1	13	12	339	6.03	8	5	ND	1	15	1	2	2	123	.08	.081	4	46	.73	28	.15	6	2.47	.01	.04	1
S L4N 2+00W	1	16	7	41	.1	9	7	160	3.32	3	5	ND	1	23	1	2	2	141	.13	.049	5	35	.34	28	.17	4	1.71	.01	.03	2
STD C	19	57	40	136	7.2	66	28	937	3.85	38	18	8	35	49	17	15	23	55	.46	.088	39	57	.85	179	.09	36	1.80	.07	.14	12

SAMPLE#	MO PPM	CU 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
S L4N 2+25M	1	82	16	99	.1	25	16	561	8.50	18	5	ND	3	15	1	2	2	171	.24	.178	5	108	1.38	39	.20	7	4.06	.01	.06	1
S L4N 2+50M	1	85	12	98	.1	26	16	478	8.37	23	5	ND	2	13	1	2	2	166	.17	.170	5	104	1.37	37	.22	7	4.07	.01	.07	1
S L4N 2+75M	1	29	11	53	.1	12	10	287	5.68	5	5	ND	2	19	1	2	2	171	.26	.119	4	57	.52	21	.23	3	1.71	.01	.06	1
S L4N 3+00M	1	63	10	85	.1	13	13	290	11.03	21	5	ND	2	7	1	2	2	219	.07	.067	6	65	.60	36	.11	7	3.00	.01	.06	1
S L4N 3+25M	1	356	148	366	2.4	15	34	3448	8.38	46	5	7	2	14	6	2	2	142	.27	.061	11	25	1.68	75	.04	6	4.06	.01	.11	1
S L4N 3+50M	1	215	25	250	1.3	17	20	813	8.33	30	5	ND	3	8	2	2	2	139	.09	.079	7	31	1.06	39	.04	6	5.29	.01	.06	2
S L4N 3+75M	1	305	22	176	.5	18	27	3314	11.56	42	5	ND	2	9	3	2	3	156	.11	.076	9	42	1.16	64	.03	4	4.37	.01	.07	1
S L4N 4+00M	1	164	13	110	1.1	19	19	620	7.75	36	5	ND	2	13	1	2	2	153	.20	.058	8	44	1.20	53	.07	12	3.34	.01	.07	1
S L4N 4+25M	1	25	7	30	.1	7	6	166	3.45	6	6	ND	1	9	1	3	2	159	.10	.033	10	15	.12	16	.04	2	1.31	.01	.04	1
S L4N 4+50M	1	74	9	85	.1	23	15	416	8.29	14	5	ND	2	10	1	2	2	156	.09	.050	8	57	.97	52	.05	7	3.55	.01	.08	1
S L4N 4+75M	1	146	18	112	.1	32	24	773	8.15	39	5	ND	2	12	1	2	2	120	.17	.060	7	75	1.46	49	.09	15	4.23	.01	.08	2
S L4N 5+00M	1	23	12	42	.2	8	10	203	9.65	11	5	ND	2	7	1	2	2	244	.06	.045	5	40	.57	9	.09	10	2.15	.01	.03	1
S L4N 5+25M	1	53	8	48	.1	10	12	353	8.42	9	5	ND	2	9	1	2	2	284	.10	.070	5	36	.45	27	.25	4	2.76	.01	.03	1
S L4N 5+50M	1	56	9	56	.2	13	11	327	5.93	13	5	ND	1	7	1	5	2	149	.06	.056	8	48	.47	27	.06	4	2.53	.01	.04	1
S L4N 5+75M	1	45	10	38	.1	6	9	225	5.58	11	5	ND	2	6	1	5	2	160	.06	.049	10	27	.24	23	.04	3	1.90	.01	.05	1
S L4N 6+00M	1	50	11	46	.1	9	9	409	6.29	15	5	ND	1	6	1	2	2	159	.09	.057	9	34	.30	30	.04	5	2.08	.01	.05	1
S L5N 6+00E	1	54	15	65	.1	23	13	300	8.48	9	5	ND	2	19	1	2	2	244	.44	.081	5	121	1.00	39	.37	12	3.69	.01	.03	1
S L5N 5+75E	1	44	8	54	.1	16	10	285	5.90	12	5	ND	2	21	1	2	2	162	.34	.064	6	67	.73	32	.16	6	2.99	.01	.03	1
S L5N 5+50E	1	66	11	84	.1	25	17	600	5.43	7	5	ND	2	28	1	2	2	145	.75	.074	6	75	1.05	60	.17	6	3.24	.01	.04	1
S L5N 5+25E	1	100	13	204	.3	37	25	1932	5.49	12	5	ND	2	28	1	2	2	128	.79	.057	9	82	1.31	135	.09	5	3.99	.01	.06	1
S L5N 5+00E	1	79	7	153	.4	36	19	3327	4.72	11	5	ND	2	33	1	2	2	96	1.07	.091	9	72	.89	232	.06	7	4.55	.01	.06	1
S L5N 4+75E	1	30	5	45	.2	10	8	289	4.11	5	5	ND	1	13	1	3	2	132	.21	.047	6	43	.28	42	.07	3	1.99	.01	.02	1
S L5N 4+50E	1	79	18	90	.1	27	17	460	7.88	17	5	ND	2	17	1	2	2	172	.28	.079	6	77	1.14	80	.09	10	3.72	.01	.06	1
S L5N 4+25E	1	111	11	91	.2	22	17	405	7.37	12	5	ND	2	20	1	2	2	172	.33	.068	7	76	.95	88	.11	8	3.90	.01	.06	1
S L5N 4+00E	1	94	8	94	.1	21	14	396	7.17	15	5	ND	2	14	1	2	2	167	.23	.060	7	62	.86	67	.06	8	4.11	.01	.06	1
S L5N 3+75E	1	42	5	61	.1	13	10	396	5.44	6	5	ND	2	16	1	2	2	160	.29	.066	6	39	.58	37	.10	4	2.67	.01	.06	1
S L5N 3+50E	1	58	8	73	.3	16	13	329	6.36	13	5	ND	2	20	1	2	2	178	.32	.057	7	54	.84	45	.12	10	3.52	.01	.04	1
S L5N 3+25E	1	44	16	57	.5	9	10	418	5.47	13	5	ND	1	14	1	3	2	155	.23	.077	5	43	.62	36	.11	9	2.30	.01	.03	1
S L5N 3+00E	1	77	22	79	.4	31	18	516	5.53	28	5	ND	1	5	1	2	2	97	.10	.064	8	77	.85	132	.01	7	3.48	.01	.08	1
S L5N 2+75E	1	56	10	56	.1	12	11	527	5.67	16	5	ND	2	12	1	4	2	158	.22	.091	8	47	.54	37	.05	10	3.00	.01	.03	1
S L5N 2+50E	1	41	6	53	.2	12	9	293	5.70	19	5	ND	2	7	1	2	2	156	.11	.070	8	49	.38	32	.06	4	2.93	.01	.02	1
S L5N 2+25E	2	100	12	116	.4	25	19	921	7.83	41	5	ND	3	10	1	2	2	144	.14	.163	7	83	.94	51	.07	9	4.67	.01	.06	1
S L5N 2+00E	1	45	16	71	.3	11	12	1829	5.97	30	5	ND	1	8	1	3	2	120	.12	.119	9	51	.44	36	.03	6	2.81	.01	.04	1
S L5N 1+75E	2	93	13	134	.4	28	20	2117	6.93	26	5	ND	2	12	1	2	4	126	.17	.241	7	83	.98	57	.05	3	3.80	.01	.06	1
S L5N 1+50E	1	95	4	79	.2	17	13	414	8.11	19	5	ND	3	9	1	2	2	148	.11	.092	7	58	.66	50	.06	12	3.92	.01	.04	1
S L5N 1+25E	1	51	6	62	.3	12	10	243	9.15	11	5	ND	2	9	1	2	2	185	.08	.095	5	60	.63	32	.16	10	3.41	.01	.03	1
S L5N 1+00E	1	23	5	44	.1	6	6	206	5.29	8	5	ND	1	12	1	2	2	166	.16	.042	11	30	.26	64	.08	6	2.33	.01	.03	2
S L5N 0+75E	1	65	15	77	.3	17	13	770	6.69	10	5	ND	1	16	1	2	3	170	.23	.060	7	64	.78	103	.09	11	3.02	.01	.05	1
S L5N 0+50E	2	59	7	104	.5	18	13	367	8.10	27	5	ND	2	8	1	2	2	104	.09	.093	5	75	.54	62	.05	8	3.79	.01	.04	1
S L5N 0+25E	3	90	17	134	.2	30	19	543	7.80	35	5	ND	2	10	1	2	3	121	.15	.095	6	76	.83	68	.04	5	4.01	.01	.07	1
STD C	18	60	38	128	7.1	66	28	931	3.90	39	18	8	34	48	17	16	20	60	.46	.086	38	57	.85	176	.08	36	1.82	.07	.14	13

SAMPLE#	MO	CU	FB	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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S LSN 0400E	1	55	7	73	.1	16	13	985	5.68	17	5	ND	1	9	1	2	2	118	.11	.049	7	43	.40	73	.03	2	2.06	.01	.04	1
S LSN 0425W	2	41	8	70	.1	15	10	362	5.80	14	5	ND	1	13	1	2	2	122	.26	.041	6	41	.48	66	.05	4	1.78	.01	.02	1
S LSN 0450W	1	45	13	79	.1	18	12	452	7.29	18	5	ND	1	8	1	3	2	134	.12	.084	5	60	.54	54	.05	5	2.21	.01	.05	1
S LSN 0475W	1	42	16	50	.1	12	10	219	6.52	15	5	ND	2	7	1	2	2	161	.06	.046	5	45	.43	33	.12	2	2.08	.01	.02	1
S LSN 1400W	1	68	15	69	.2	19	14	375	8.22	13	5	ND	1	12	1	2	2	182	.10	.075	4	71	.86	41	.26	2	2.99	.01	.04	1
S LSN 1425W	1	73	14	73	.1	15	13	363	7.32	29	5	ND	1	9	1	2	2	150	.08	.064	5	51	.73	42	.09	2	2.80	.01	.05	1
S LSN 1450W	1	29	13	43	.2	15	9	206	3.72	2	7	ND	1	40	1	2	2	176	.15	.056	4	80	.65	33	.33	2	1.78	.01	.04	1
S LSN 1475W	1	73	6	74	.1	31	17	360	7.28	3	5	ND	1	16	1	2	2	177	.08	.060	5	147	1.69	37	.15	2	3.79	.01	.06	1
S LSN 2400W	1	140	13	140	.1	39	20	329	11.30	17	5	ND	2	4	1	2	2	195	.02	.101	8	97	1.47	60	.02	8	4.18	.01	.13	1
S LSN 2425W	1	114	14	112	.1	40	19	323	10.21	12	5	ND	2	5	1	2	3	205	.03	.088	8	94	1.56	58	.02	10	3.89	.01	.15	1
S LSN 2450W	1	53	10	52	.3	10	12	273	9.11	16	5	ND	2	3	1	2	2	175	.03	.079	4	51	.49	29	.10	5	2.01	.01	.02	1
S LSN 2475W	1	38	10	68	.1	40	15	279	5.98	6	5	ND	1	4	1	2	2	147	.05	.083	2	164	1.28	17	.35	4	2.25	.01	.02	1
S LSN 3400W	1	64	12	82	.1	24	16	394	6.15	16	5	ND	1	3	1	2	2	114	.03	.061	2	86	.94	40	.14	2	3.50	.01	.02	1
S LSN 3425W	1	58	17	78	.1	30	16	473	12.00	9	5	ND	2	3	1	2	2	262	.05	.151	2	177	1.11	21	.62	7	2.98	.01	.04	2
S LSN 3450W	1	57	17	58	.2	9	15	314	12.75	22	5	ND	2	3	1	2	2	337	.03	.218	2	55	.45	19	.41	2	2.32	.01	.02	1
S LSN 3475W	1	147	13	48	.2	6	19	219	11.51	14	5	ND	2	4	1	2	2	265	.05	.074	2	13	.41	24	.26	3	2.47	.01	.02	4
S LSN 4400W	1	70	15	53	.2	12	13	260	7.96	18	5	ND	1	3	1	2	2	124	.02	.060	2	50	.56	25	.09	2	2.52	.01	.02	1
S LSN 4425W	1	76	8	48	.1	7	11	242	8.98	9	5	ND	2	5	1	2	2	144	.02	.081	3	23	.35	27	.09	2	3.17	.01	.02	2
S LSN 4450W	1	80	19	79	.1	20	14	510	7.37	27	5	ND	1	2	1	2	2	127	.02	.087	3	58	.72	38	.07	4	3.01	.01	.03	1
S LSN 4475W	7	226	28	123	.3	20	21	580	8.60	45	6	ND	2	3	1	2	3	161	.05	.096	3	61	.91	29	.12	2	3.71	.01	.06	2
S LSN 5400W	2	63	18	82	.2	26	14	334	8.09	27	5	ND	2	2	1	2	2	133	.02	.073	3	101	.67	31	.09	2	3.25	.01	.03	2
S LSN 5425W	1	68	10	77	.3	12	13	376	7.77	25	5	ND	2	2	1	2	3	109	.02	.071	3	47	.55	37	.03	2	2.75	.01	.03	1
S LSN 5450W	1	51	14	67	.1	9	12	287	6.10	36	5	ND	1	2	1	3	2	98	.02	.049	5	27	.40	42	.02	5	2.24	.01	.03	1
S LSN 5475W	1	131	20	99	.1	14	15	297	7.00	70	5	ND	1	3	1	2	2	107	.05	.059	5	29	.42	58	.01	8	3.20	.01	.03	1
S LSN 6400W	1	105	17	110	.1	29	17	533	9.33	24	8	ND	2	2	1	2	2	100	.02	.058	3	72	1.05	90	.01	9	3.29	.01	.05	1
STD C	19	60	40	131	7.3	69	31	1000	3.84	40	18	8	37	52	18	16	23	60	.46	.095	41	60	.84	191	.09	36	1.79	.07	.15	13

GEOCHEMICAL ICP ANALYSIS

*EMMA*

.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 CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: SOLUTION

DATE RECEIVED: JULY 22 1987 DATE REPORT MAILED: *July 28/87* ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT - CERT#87331 File # 87-2610 Page 1

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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	%	PPM
S L6N 600W	1	178	41	133	.1	25	29	1877	7.32	36	5	ND	1	11	1	2	2	107	.24	.053	9	44	1.40	128	.03	11	3.92	.01	.09	1
S L6N 575W	1	28	17	64	.1	6	10	206	4.77	16	5	ND	1	5	1	2	2	87	.08	.025	7	18	.46	118	.03	9	2.00	.01	.04	1
S L6N 550W	1	112	25	97	.2	19	18	528	7.09	44	5	ND	1	5	1	3	2	107	.05	.047	6	44	.87	67	.04	5	3.24	.01	.06	1
S L6N 525W	1	164	20	115	.1	21	24	526	9.13	31	5	ND	1	10	1	2	2	135	.08	.063	4	40	1.03	60	.11	7	3.95	.01	.05	1
S L6N 500W	1	87	16	126	.1	13	25	765	7.00	12	5	ND	1	8	1	2	2	128	.09	.042	6	38	.55	53	.04	9	4.22	.01	.05	1
S L6N 475W	1	30	11	44	.1	6	9	215	6.14	21	5	ND	1	3	1	3	2	113	.03	.039	8	25	.20	27	.04	4	1.80	.01	.02	1
S L6N 450W	1	100	21	116	.2	38	22	948	6.57	32	6	ND	2	6	1	2	2	88	.10	.055	7	75	1.39	71	.04	2	3.22	.01	.08	1
S L6N 425W	1	41	16	56	.1	10	11	405	6.85	18	5	ND	1	4	1	4	2	91	.04	.067	7	38	.34	47	.02	7	2.06	.01	.04	1
S L6N 400W	2	142	21	213	.3	54	23	2401	6.57	20	5	ND	1	12	2	2	2	74	.28	.069	10	68	1.35	126	.02	10	3.47	.01	.08	1
S L6N 375W	1	56	17	77	.2	29	18	360	9.28	16	5	ND	1	10	1	2	2	140	.12	.064	2	83	.94	34	.10	7	3.19	.01	.06	2
S L6N 350W	1	98	23	65	.1	12	13	434	8.46	17	5	ND	1	5	1	2	2	148	.05	.086	5	34	.89	31	.12	9	3.87	.01	.05	1
S L6N 325W	2	34	14	50	.1	10	9	211	6.10	16	5	ND	1	4	1	2	2	134	.04	.051	4	43	.54	20	.07	9	2.20	.01	.02	1
S L6N 300W	1	90	16	83	.2	18	15	363	8.96	17	5	ND	1	6	1	2	2	121	.06	.118	4	55	.85	36	.08	8	3.29	.01	.04	2
S L6N 275W	1	31	12	47	.1	8	10	321	5.70	7	5	ND	1	9	1	2	2	145	.13	.048	3	40	.34	38	.28	8	1.75	.01	.02	1
S L6N 250W	1	34	14	41	.1	10	10	535	4.30	11	5	ND	1	8	1	2	2	144	.11	.036	4	34	.37	38	.18	5	1.64	.01	.02	1
S L6N 225W	1	20	10	41	.1	12	8	204	3.92	6	5	ND	1	11	1	2	2	123	.15	.033	5	42	.50	26	.14	3	1.50	.01	.03	1
S L6N 200W	1	70	23	92	.1	26	23	559	8.33	9	5	ND	1	9	1	2	2	160	.12	.080	5	145	.85	46	.18	8	3.58	.01	.04	1
S L6N 175W	1	68	19	91	.2	25	24	595	7.25	13	5	ND	1	8	1	2	2	145	.11	.072	5	138	.81	46	.17	2	3.80	.01	.04	1
S L6N 150W	2	62	12	78	.2	11	12	348	6.16	20	7	ND	1	6	1	2	2	109	.15	.056	4	57	.49	39	.04	5	2.61	.01	.04	1
S L6N 125W	1	97	18	116	.3	14	23	590	7.12	18	5	ND	1	7	1	2	2	110	.13	.054	4	45	.63	71	.09	8	3.44	.01	.04	1
S L6N 100W	1	96	17	163	.4	19	16	396	8.04	38	5	ND	1	5	1	2	2	118	.10	.046	6	52	.67	53	.04	5	3.18	.01	.05	1
S L6N 075W	1	36	12	97	.1	11	10	409	5.95	20	5	ND	1	5	1	2	2	99	.11	.052	4	33	.33	50	.03	5	1.79	.01	.04	2
S L6N 050W	1	95	13	104	.5	15	15	560	6.49	29	5	ND	1	7	1	2	2	95	.12	.051	5	43	.65	58	.04	6	2.90	.01	.05	1
S L6N 025W	1	98	20	92	.4	18	14	454	7.08	34	5	ND	1	6	1	2	2	106	.10	.052	6	46	.69	47	.04	10	3.00	.01	.07	1
S L6N 000	1	55	15	60	.2	11	11	324	6.07	20	5	ND	1	8	1	2	2	114	.10	.043	5	46	.75	38	.07	4	2.37	.01	.04	1
S L6N 025E	1	100	15	83	.1	20	17	350	6.48	29	5	ND	1	7	1	2	2	110	.07	.053	5	55	.90	39	.06	6	3.35	.01	.04	1
S L6N 050E	1	111	20	97	.2	24	21	647	6.86	35	5	ND	1	6	1	2	2	96	.06	.082	5	66	.98	43	.06	8	3.78	.01	.05	1
S L6N 075E	1	58	21	81	.3	21	14	309	7.02	14	5	ND	1	8	1	2	2	132	.11	.060	4	69	.88	49	.12	2	3.24	.01	.03	1
S L6N 100E	1	109	15	101	.1	30	20	1141	6.70	23	6	ND	1	6	2	2	2	92	.12	.096	5	80	1.33	34	.10	8	4.09	.01	.03	1
S L6N 125E	1	229	21	134	.1	33	29	1125	8.08	19	5	ND	2	7	1	2	2	93	.12	.105	9	83	1.31	39	.09	10	4.96	.01	.04	1
S L6N 150E	2	63	37	220	.1	82	35	7790	29.92	78	8	ND	3	5	2	2	2	96	.10	.163	17	39	.25	122	.01	10	.42	.01	.05	1
S L6N 175E	2	171	24	126	.2	43	25	1011	7.39	70	5	ND	2	6	1	2	2	87	.13	.097	8	79	1.13	40	.04	7	3.33	.01	.04	1
S L6N 200E	3	145	44	190	.2	63	28	1423	6.92	108	5	ND	2	7	1	2	2	77	.21	.079	11	69	1.21	63	.04	8	2.70	.01	.05	1
S L6N 225E	1	108	18	88	.1	36	20	785	6.99	26	5	ND	1	8	1	2	2	126	.15	.123	5	96	1.24	51	.12	12	4.12	.01	.06	1
S L6N 250E	1	50	8	70	.2	11	11	612	4.52	12	5	ND	2	9	1	2	2	99	.26	.055	5	46	.52	36	.13	6	3.27	.01	.03	1
S L6N 275E	1	80	15	62	.1	13	12	521	6.19	22	5	ND	1	8	1	2	2	137	.33	.101	4	42	.52	30	.25	8	2.77	.01	.03	1
S L6N 300E	1	61	16	53	.1	11	10	831	4.83	12	5	ND	1	9	1	2	2	117	.23	.081	5	39	.49	30	.17	3	2.50	.01	.04	1
S L6N 325E	1	61	10	57	.1	14	12	421	5.75	7	6	ND	1	6	1	2	2	127	.21	.070	4	44	.52	34	.21	7	2.80	.01	.03	1
S L6N 350E	1	87	14	84	.2	25	16	509	6.78	14	5	ND	1	7	1	2	2	116	.19	.085	4	64	1.10	43	.10	6	3.71	.01	.03	1
S L6N 375E	1	41	9	72	.1	15	12	350	6.02	9	5	ND	1	8	1	2	2	119	.24	.078	5	55	.64	33	.10	9	3.15	.01	.04	1

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE I	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA I	P I	LA PPH	CR PPH	MG I	BA PPH	TI I	F PPH	AL I	NA I	K I	W PPH
S L6N 400E	1	91	3	86	.1	16	18	488	6.86	7	5	ND	1	9	1	2	2	122	.22	.060	4	65	1.08	59	.07	2	3.93	.01	.03	1
S L6N 425E	1	117	6	84	.1	26	19	504	6.63	10	5	ND	2	9	1	2	2	114	.21	.089	4	68	1.68	41	.10	3	4.79	.01	.04	1
S L6N 450E	1	100	5	119	.4	29	22	453	7.49	10	5	ND	1	16	1	2	2	138	.34	.080	6	81	1.44	85	.09	4	4.55	.01	.05	1
S L6N 475E	1	66	7	92	.1	20	16	347	6.77	9	5	ND	1	14	1	2	2	144	.28	.066	6	67	.99	60	.14	2	3.76	.01	.04	1
S L6N 500E	1	106	7	105	.3	33	22	706	6.17	17	5	ND	1	22	1	2	2	120	.60	.064	8	84	1.50	87	.12	2	4.07	.01	.06	2
S L6N 525E	1	65	2	129	.3	23	17	418	7.36	13	5	ND	1	18	1	2	2	135	.53	.065	6	78	1.13	96	.10	5	4.08	.01	.05	1
S L6N 550E	1	64	7	105	.2	26	16	516	6.78	13	5	ND	1	19	1	2	2	132	.57	.061	6	75	1.10	88	.10	7	3.60	.01	.05	1
S L6N 575E	1	102	6	133	.3	39	24	907	6.16	13	5	ND	1	21	1	2	2	122	.64	.072	7	84	1.54	111	.14	6	4.59	.01	.05	1
S L6N 600E	1	102	7	104	.3	30	21	935	5.82	20	5	ND	1	21	1	2	2	119	.62	.057	8	83	1.51	104	.11	6	3.73	.01	.05	1
S L7N 600W	1	153	4	147	.1	22	20	489	8.54	32	5	ND	1	6	1	2	3	129	.06	.056	6	53	1.53	64	.03	2	5.03	.01	.08	1
S L7N 575W	1	173	6	140	.2	27	20	573	8.26	29	5	ND	1	4	1	2	3	109	.05	.061	6	45	1.15	64	.02	2	4.75	.01	.06	1
S L7N 550W	1	131	11	137	.1	26	21	768	7.90	49	5	ND	1	6	1	2	2	111	.05	.059	6	50	1.38	60	.05	3	4.12	.01	.07	1
S L7N 525W	2	63	11	87	.1	15	14	424	8.74	67	5	ND	2	2	1	3	2	118	.02	.046	7	24	.37	29	.01	2	2.36	.01	.04	1
S L7N 500W	1	88	4	145	.3	24	19	750	6.99	20	5	ND	1	6	1	2	2	83	.05	.088	9	41	.91	68	.04	2	3.82	.01	.07	1
S L7N 475W	1	122	13	136	.4	35	22	1055	6.97	34	5	ND	1	6	1	2	4	77	.04	.077	11	62	1.26	81	.02	3	3.57	.01	.11	1
S L7N 450W	1	84	11	107	.2	27	17	912	6.74	19	5	ND	2	6	1	2	2	91	.04	.072	9	60	.94	68	.02	7	3.69	.01	.07	1
S L7N 425W	1	89	15	149	.4	27	20	1733	6.49	22	5	ND	1	9	1	2	2	91	.22	.055	10	52	1.00	145	.02	3	3.13	.01	.07	1
S L7N 400W	1	71	11	91	.2	20	13	491	7.27	22	5	ND	1	4	1	2	2	93	.03	.058	8	58	.84	58	.02	2	3.16	.01	.07	1
S L7N 375W	1	103	12	151	.3	29	23	1574	7.58	17	5	ND	1	12	1	2	3	95	.36	.070	7	64	1.02	114	.03	3	3.25	.01	.07	1
S L7N 350W	1	93	4	95	.1	21	15	333	7.69	19	5	ND	1	6	1	2	2	112	.06	.043	6	55	.89	57	.04	2	3.45	.01	.04	1
S L7N 325W	1	81	7	92	.1	20	13	341	5.66	20	5	ND	1	4	1	2	2	71	.06	.036	6	45	.84	52	.01	3	2.30	.01	.05	1
S L7N 300W	1	12	3	39	.2	2	3	36	.50	2	5	ND	1	28	1	2	2	7	1.52	.077	2	3	.10	36	.01	2	.40	.01	.03	1
S L7N 275W	1	301	8	78	1.2	15	61	1313	5.81	10	5	ND	2	12	1	2	2	64	.40	.097	6	42	.34	44	.04	3	7.35	.01	.02	1
S L7N 250W	1	57	7	83	.1	11	16	429	6.68	5	5	ND	1	16	1	2	2	161	.16	.036	3	41	.87	49	.11	6	2.75	.01	.04	1
S L7N 225W	1	46	8	66	.2	6	7	309	3.33	5	5	ND	1	12	1	2	2	77	.45	.074	4	18	.30	52	.02	6	1.37	.01	.06	1
S L7N 200W	1	41	13	57	.1	7	8	267	7.18	22	5	ND	1	6	1	2	2	150	.10	.051	6	31	.21	42	.04	2	1.78	.01	.04	1
S L7N 175W	1	103	13	90	.2	9	13	592	6.56	9	5	ND	1	8	1	2	2	118	.21	.055	5	30	.44	56	.04	8	3.17	.01	.03	1
S L7N 150W	1	77	8	75	.2	6	12	374	7.27	12	5	ND	1	5	1	2	2	123	.07	.043	5	26	.49	40	.04	7	2.42	.01	.04	1
S L7N 125W	1	26	2	42	.2	5	8	340	4.99	6	5	ND	1	7	1	2	2	141	.10	.040	3	11	.28	21	.15	3	1.34	.01	.02	1
S L7N 100W	1	85	11	81	.2	16	13	415	6.28	24	5	ND	1	7	1	2	2	92	.12	.065	4	38	.71	47	.02	4	2.35	.01	.03	1
S L7N 075W	1	72	14	83	.1	16	14	441	7.27	23	5	ND	1	5	1	2	2	108	.06	.060	6	43	.74	55	.03	3	2.56	.01	.05	1
S L7N 050W	1	62	15	108	.1	14	14	301	8.39	20	5	ND	1	7	1	4	2	153	.10	.051	5	52	.58	54	.09	2	3.25	.01	.03	1
S L7N 025W	2	180	15	150	.2	34	26	1480	6.86	31	5	ND	1	13	2	2	2	96	.32	.060	10	57	1.30	107	.05	3	3.22	.01	.07	1
S L7N 000	1	167	24	177	.2	33	28	1405	6.55	37	5	ND	1	19	2	2	2	93	.51	.063	10	60	1.48	92	.06	3	3.10	.01	.07	1
S L7N 025E	1	74	9	61	.2	16	11	277	5.93	12	5	ND	1	9	1	2	2	127	.13	.044	7	59	.70	81	.05	4	2.82	.01	.05	1
S L7N 050E	2	198	12	107	.1	101	33	636	9.93	74	5	ND	1	7	1	2	2	82	.13	.042	9	65	.53	125	.01	2	2.51	.01	.07	1
S L7N 075E	2	180	14	157	.1	38	27	1877	6.25	51	5	ND	1	21	2	2	3	88	.69	.068	8	61	1.46	148	.04	7	2.93	.01	.07	2
S L7N 100E	1	176	25	132	.3	41	25	1596	7.15	23	5	ND	1	12	2	2	3	104	.27	.101	11	61	1.41	140	.07	4	2.88	.01	.08	1
S L7N 125E	1	90	8	87	.1	21	14	340	7.20	10	5	ND	1	7	1	2	2	127	.09	.076	4	81	1.24	31	.13	6	5.32	.01	.03	1
S L7N 150E	1	55	8	64	.2	16	14	314	6.11	7	5	ND	1	9	1	2	2	134	.13	.041	7	47	.66	56	.07	4	3.12	.01	.03	1
STD C	19	59	38	131	6.8	69	28	902	4.10	38	18	7	37	46	18	16	22	56	.48	.082	37	55	.90	170	.08	36	1.88	.06	.14	13

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE I	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA I	P I	LA PPH	CR PPH	MG I	BA PPH	TI I	B PPH	AL I	NA I	K I	W PPH
S L7N 175E	1	67	10	104	.5	29	20	1919	6.02	11	7	ND	1	21	1	2	2	149	.51	.049	10	79	1.01	127	.08	2	3.27	.01	.05	1
S L7N 200E	1	14	2	68	.4	9	9	3860	.96	6	7	ND	1	43	1	2	3	33	2.21	.058	3	13	.24	153	.06	6	.65	.01	.04	1
S L7N 225E	4	95	12	361	1.3	101	44	15214	2.95	17	8	ND	1	36	4	2	2	65	1.40	.153	20	89	.38	285	.07	9	5.22	.01	.05	4
S L7N 250E	1	34	8	60	.1	12	10	862	2.77	7	5	ND	1	15	1	2	2	67	.33	.053	3	36	.54	68	.05	2	1.38	.01	.05	1
S L7N 275E	1	30	4	37	.1	11	7	240	5.13	6	5	ND	1	7	1	2	2	209	.19	.054	6	37	.48	27	.08	2	1.90	.01	.02	1
S L7N 300E	1	110	9	79	.2	27	16	523	5.98	18	5	ND	1	9	1	2	3	122	.23	.090	4	72	1.43	81	.07	3	4.18	.01	.06	2
S L7N 325E	1	91	2	56	.2	19	12	669	5.99	7	5	ND	1	8	1	2	2	141	.22	.154	4	64	.91	38	.10	2	3.34	.01	.04	3
S L7N 350E	1	83	23	90	.1	23	15	435	6.69	14	5	ND	1	10	1	2	2	144	.23	.079	5	73	1.19	49	.11	4	4.06	.01	.04	4
S L7N 375E	1	105	9	98	.1	32	18	605	5.88	11	5	ND	1	11	1	2	2	116	.29	.059	4	77	1.66	52	.12	3	3.58	.01	.05	2
S L7N 400E	1	38	2	32	.1	11	7	133	2.76	7	5	ND	1	11	1	2	2	75	.13	.020	7	25	.23	31	.05	2	1.74	.01	.02	2
S L7N 425E	1	24	4	56	.1	7	5	455	2.26	7	5	ND	1	20	1	2	2	58	.67	.083	2	12	.34	78	.04	16	.86	.01	.08	1
S L7N 450E	1	141	10	108	.4	34	32	761	5.80	9	5	ND	1	14	1	2	2	121	.32	.070	8	72	1.30	107	.07	3	4.91	.01	.05	4
S L7N 475E	1	9	4	51	.1	2	1	47	.10	2	7	ND	1	15	1	2	2	2	.69	.055	2	1	.06	22	.01	3	1.10	.01	.05	1
S L7N 500E	1	105	7	97	.1	35	21	864	6.49	11	5	ND	1	22	1	2	2	142	.52	.057	8	88	1.80	120	.11	2	3.74	.01	.07	2
S L7N 525E	1	47	7	68	.2	18	11	519	4.97	9	5	ND	1	22	1	2	2	139	.64	.057	6	73	.77	80	.10	4	2.21	.01	.07	1
S L7N 550E	1	23	4	37	.4	5	1	158	.17	2	5	ND	1	77	1	2	2	7	4.49	.044	14	13	.08	87	.01	11	.24	.01	.03	1
S L7N 575E	1	14	7	67	.1	6	4	180	1.14	5	5	ND	1	25	1	2	2	37	1.22	.054	2	19	.17	41	.04	8	.47	.01	.05	1
S L7N 600E	1	177	57	215	.3	140	33	953	7.74	34	5	ND	1	17	1	2	2	131	.46	.050	13	414	2.83	134	.02	8	4.75	.01	.07	3
S L8N 600W	1	43	9	122	.1	16	14	864	6.10	10	5	ND	1	12	1	2	2	126	.22	.074	7	51	.73	85	.04	2	2.53	.01	.07	2
S L8N 575W	1	112	14	183	.3	16	17	773	7.93	29	5	ND	1	10	1	2	2	143	.17	.066	8	44	.83	99	.03	3	2.90	.01	.07	2
S L8N 550W	2	75	8	120	.6	14	14	318	7.72	37	5	ND	1	16	1	2	3	155	.48	.060	9	28	.51	163	.01	2	3.06	.01	.06	2
S L8N 525W	2	112	15	154	.5	12	15	479	6.90	87	5	ND	1	7	1	6	2	102	.15	.069	8	27	.52	95	.01	2	2.47	.01	.08	1
S L8N 500W	1	112	10	152	1.0	18	18	723	7.84	66	5	ND	1	7	1	2	4	115	.08	.055	8	44	.70	95	.01	2	3.41	.01	.07	1
S L8N 475W	1	77	7	128	.4	11	14	434	7.49	30	5	ND	2	7	1	3	3	109	.07	.085	6	45	.63	66	.02	2	3.78	.01	.07	2
S L8N 450W	1	95	21	90	.1	18	13	452	7.54	25	5	ND	2	6	1	3	4	115	.03	.058	11	47	.75	59	.02	2	3.06	.01	.08	2
S L8N 425W	2	107	13	99	.2	29	15	560	7.08	19	5	ND	1	6	1	2	2	98	.05	.063	10	53	.90	77	.02	3	3.03	.01	.09	1
S L8N 400W	1	57	8	72	.1	19	11	395	6.74	15	5	ND	1	6	1	2	2	168	.04	.052	11	53	.70	53	.02	3	2.73	.01	.07	1
S L8N 375W	1	80	18	107	.1	24	16	392	6.48	19	5	ND	1	6	1	2	2	92	.04	.043	9	50	.81	67	.02	3	3.00	.01	.07	1
S L8N 350W	1	41	5	79	.1	15	13	580	5.48	7	5	ND	1	10	1	2	2	124	.09	.037	7	39	.92	52	.06	4	2.66	.01	.04	2
S L8N 325W	1	72	16	77	.2	19	13	476	6.02	10	5	ND	1	8	1	2	2	88	.07	.051	9	56	.73	67	.01	3	2.86	.01	.06	1
S L8N 300W	1	13	2	29	.1	13	5	212	2.29	3	5	ND	1	36	1	2	2	73	.21	.019	8	36	.46	53	.03	2	1.34	.01	.04	1
S L8N 275W	1	33	12	60	.2	13	10	311	5.48	10	5	ND	1	10	1	2	2	145	.12	.035	9	45	.62	54	.03	5	2.41	.01	.06	1
S L8N 250W	2	149	11	121	.2	23	21	1231	7.11	31	5	ND	1	9	1	6	3	102	.19	.060	8	48	.92	93	.01	2	3.02	.01	.09	1
S L8N 225W	1	120	11	123	.1	29	19	1016	6.75	18	5	ND	1	15	1	2	4	120	.35	.042	11	61	1.01	169	.02	5	3.68	.01	.08	1
S L8N 200W	2	134	15	136	.1	60	21	1053	7.33	18	5	ND	1	8	1	2	5	93	.06	.049	9	83	1.44	122	.02	3	3.81	.01	.09	1
S L8N 175W	1	147	16	112	.1	38	23	1251	6.46	23	5	ND	1	13	1	2	2	101	.13	.049	8	66	1.93	86	.05	4	3.40	.01	.12	1
S L8N 150W	1	113	16	129	.2	27	19	952	6.37	20	5	ND	2	15	1	2	2	96	.34	.066	8	62	1.35	90	.05	4	3.45	.01	.09	1
S L8N 125W	1	111	16	111	.2	29	20	1220	6.10	15	5	ND	1	14	1	2	2	97	.36	.054	7	56	1.42	90	.04	2	3.04	.01	.09	1
S L8N 100W	1	25	9	37	.1	4	6	182	4.98	9	5	ND	1	7	1	2	2	127	.06	.037	8	25	.34	36	.03	3	2.07	.01	.02	1
S L8N 075W	1	20	10	44	.2	8	7	234	4.74	7	5	ND	1	7	1	2	2	99	.10	.050	6	26	.34	31	.03	4	1.74	.01	.03	1
STD C	18	58	38	131	6.6	69	27	928	4.03	36	15	7	37	48	16	15	19	58	.50	.080	36	60	.92	180	.08	34	1.78	.06	.14	14



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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S LBN 050W	1	56	10	73	.3	12	10	346	5.77	17	5	ND	1	15	1	2	2	144	.21	.047	6	41	.75	43	.03	2	2.20	.01	.07	1
S LBN 025W	1	32	4	47	.3	8	9	207	4.33	13	5	ND	1	21	1	2	2	169	.34	.039	7	24	.32	61	.03	2	1.81	.01	.03	1
S LBN 000	1	80	12	224	.6	20	17	2177	5.32	24	5	ND	1	20	3	2	2	113	.41	.059	10	43	.64	158	.03	2	2.71	.01	.07	1
S LBN 025E	1	35	13	106	.3	17	16	2061	3.41	11	5	ND	1	31	3	2	2	82	.65	.044	9	32	.42	174	.03	2	1.57	.01	.07	1
S LBN 050E	1	60	7	77	.3	9	9	305	4.62	18	5	ND	1	17	1	2	2	139	.39	.054	7	32	.43	83	.03	2	1.61	.01	.07	1
S LBN 075E	2	79	11	154	.4	15	15	976	4.74	17	5	ND	2	38	1	2	2	116	.95	.044	9	48	.61	155	.03	2	2.50	.01	.06	1
S LBN 100E	1	198	21	107	.4	25	19	606	7.07	21	5	ND	2	17	1	2	2	156	.24	.065	7	61	1.11	123	.04	2	3.37	.01	.08	1
S LBN 125E	1	143	25	82	.4	25	16	355	7.20	16	5	ND	2	14	1	2	2	178	.15	.068	6	85	1.29	53	.15	2	5.05	.01	.05	1
S LBN 150E	1	88	16	81	.2	28	15	405	5.82	11	5	ND	2	18	1	2	2	135	.21	.048	5	86	1.66	48	.15	3	3.54	.01	.04	1
S LBN 175E	1	21	11	47	.1	9	8	241	2.96	6	5	ND	2	33	1	2	2	95	.58	.026	8	27	.50	115	.05	5	1.57	.01	.03	1
S LBN 200E	1	29	13	54	.1	11	7	216	4.34	10	5	ND	1	16	1	2	2	114	.21	.034	7	31	.51	41	.03	2	1.80	.01	.04	1
S LBN 225E	1	96	18	76	.2	25	13	297	6.72	17	5	ND	2	9	1	2	4	122	.12	.068	5	96	1.05	52	.07	3	4.14	.01	.05	1
S LBN 250E	1	59	8	75	.2	19	12	439	5.38	15	5	ND	1	8	1	2	2	98	.10	.087	7	52	.87	51	.06	2	3.61	.01	.04	1
S LBN 275E	1	63	25	66	.3	13	12	616	6.41	16	5	ND	1	9	1	2	2	124	.11	.090	11	48	.52	57	.05	3	2.92	.01	.05	1
S LBN 300E	1	114	22	125	.5	34	18	920	6.97	24	5	ND	1	14	1	2	2	136	.16	.076	7	78	1.32	70	.06	2	3.61	.01	.07	1
S LBN 325E	1	75	8	88	.3	18	14	781	5.77	16	5	ND	1	10	1	2	2	120	.15	.098	7	53	.78	61	.05	2	2.93	.01	.05	1
S LBN 350E	1	77	15	72	.2	14	12	614	5.30	20	5	ND	1	8	1	2	2	118	.13	.081	6	43	.70	63	.06	2	2.62	.01	.04	1
S LBN 375E	1	62	20	64	.3	16	13	1012	6.60	23	5	ND	1	8	1	2	2	162	.13	.143	6	48	.75	62	.04	2	2.95	.01	.05	1
S LBN 400E	1	107	21	116	.3	21	19	480	6.68	21	5	ND	1	7	1	2	2	153	.11	.094	7	62	1.25	84	.04	5	4.58	.01	.05	1
S LBN 425E	1	89	15	80	.3	14	13	595	6.26	15	5	ND	1	12	1	2	2	165	.26	.112	4	50	1.08	52	.14	2	3.55	.01	.04	1
S LBN 450E	1	148	21	91	.5	14	18	438	7.53	16	5	ND	2	19	1	2	2	194	.29	.076	6	38	1.08	104	.07	5	4.60	.01	.07	1
S LBN 475E	1	45	14	54	.2	8	11	365	5.93	14	5	ND	1	9	1	2	2	153	.15	.039	10	23	.22	79	.02	2	1.88	.01	.04	1
S LBN 500E	1	62	14	52	.1	9	9	294	6.33	13	5	ND	1	8	1	2	2	141	.14	.075	11	24	.29	65	.02	3	2.13	.01	.05	1
S LBN 525E	2	149	33	113	.3	32	22	1445	6.89	32	5	ND	2	13	1	2	2	125	.34	.082	11	64	1.16	100	.04	5	3.30	.01	.08	1
S LBN 550E	1	86	20	85	.7	13	15	550	7.54	19	5	ND	1	10	1	2	2	168	.17	.096	9	42	.55	90	.05	3	3.29	.01	.05	1
S LBN 575E	2	56	22	160	.3	16	19	1957	5.88	20	6	ND	1	22	1	2	2	107	.67	.097	10	51	.45	140	.03	5	3.03	.01	.06	1
S LBN 600E	3	127	84	243	1.2	45	27	702	6.84	48	5	ND	1	18	1	2	2	108	.34	.079	9	94	1.43	84	.06	4	3.45	.01	.07	1
S L9N 600W	1	217	39	304	.7	21	27	1167	11.90	115	5	ND	1	3	1	8	12	84	.02	.078	5	37	.35	73	.01	2	3.29	.01	.06	1
S L9N 575W	2	66	20	74	.3	8	12	349	7.98	31	5	ND	1	3	1	2	3	165	.02	.081	8	36	.49	44	.03	2	2.81	.01	.05	2
S L9N 550W	2	96	18	93	.3	11	13	558	8.14	37	5	ND	1	4	1	4	2	139	.03	.069	7	34	.56	42	.02	2	3.17	.01	.05	1
S L9N 525W	1	63	22	83	.5	9	12	372	8.41	28	5	ND	1	6	1	2	2	180	.07	.068	5	38	.50	41	.05	2	4.27	.01	.05	2
S L9N 500W	1	45	13	61	.2	8	11	335	7.71	11	5	ND	1	7	1	2	2	192	.07	.086	5	32	.47	35	.06	3	2.51	.01	.04	1
S L9N 475W	1	106	18	107	.3	16	17	563	8.40	20	5	ND	2	8	1	2	2	151	.07	.097	6	63	1.00	54	.06	2	4.84	.01	.06	1
S L9N 450W	1	59	14	93	.3	15	12	429	6.92	19	5	ND	2	7	1	2	2	125	.06	.090	7	46	.64	48	.03	5	3.01	.01	.06	1
S L9N 425W	1	103	20	111	.1	25	16	598	6.64	19	5	ND	1	5	1	2	2	113	.03	.077	10	62	1.02	89	.01	6	3.99	.01	.08	1
S L9N 400W	1	59	19	95	.1	22	13	677	7.10	16	5	ND	1	6	1	2	2	117	.07	.072	10	53	.68	66	.02	5	3.16	.01	.08	1
S L9N 375W	2	104	18	103	.4	28	16	780	6.17	19	5	ND	1	5	1	2	2	88	.04	.069	9	52	1.02	66	.02	5	3.11	.01	.08	1
S L9N 350W	1	99	19	84	.1	21	14	478	5.71	16	5	ND	1	7	1	2	2	97	.06	.061	8	45	.98	55	.01	2	2.78	.01	.06	1
S L9N 325W	2	107	18	104	.1	29	17	602	6.88	22	5	ND	2	4	1	2	2	99	.03	.062	9	65	1.14	79	.01	2	3.59	.01	.07	1
S L9N 300W	2	55	14	86	.1	17	12	934	5.59	13	5	ND	1	7	1	2	2	99	.12	.057	8	47	.71	61	.02	6	2.53	.01	.06	1
STD C	20	60	40	130	6.8	68	27	870	3.89	39	17	7	36	47	16	16	21	58	.48	.081	35	57	.88	178	.08	32	1.73	.06	.14	12

SAMPLE#	NO	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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S L9N 275W	1	112	3	128	.1	58	20	665	5.98	18	5	ND	1	6	1	2	4	65	.06	.053	7	71	1.28	92	.01	7	3.51	.01	.08	1
S L9N 250W	1	34	4	57	.1	13	8	228	4.38	10	5	ND	1	5	1	2	2	71	.05	.046	7	32	.37	35	.01	6	2.48	.01	.04	1
S L9N 225W	2	66	2	101	.1	21	13	386	7.00	12	6	ND	1	5	1	2	4	86	.03	.080	7	56	.84	73	.01	5	3.55	.01	.05	1
S L9N 200W	2	68	5	84	.1	22	12	414	6.79	12	5	ND	1	5	1	2	4	93	.04	.078	7	52	.74	53	.02	3	3.42	.01	.05	1
S L9N 175W	1	23	5	45	.1	13	8	554	4.86	10	5	ND	1	7	1	2	2	90	.06	.063	6	35	.44	33	.02	8	2.10	.01	.03	1
S L9N 150W	1	23	4	40	.1	8	6	235	3.37	8	5	ND	1	7	1	2	2	69	.09	.032	10	22	.33	32	.02	6	1.72	.01	.04	1
S L9N 125W	1	31	4	51	.1	11	8	228	5.11	12	5	ND	1	7	1	2	2	91	.08	.058	10	28	.39	48	.03	9	2.24	.01	.03	1
S L9N 100W	1	45	6	57	.1	14	9	328	5.36	16	5	ND	1	7	1	2	2	102	.08	.057	8	35	.50	62	.02	6	2.19	.01	.04	1
S L9N 075W	1	16	3	32	.1	6	4	158	2.84	7	5	ND	1	6	1	2	2	84	.09	.027	9	16	.19	31	.02	2	1.48	.01	.03	1
S L9N 050W	1	95	11	131	.2	27	15	431	8.75	21	5	ND	1	7	1	2	2	101	.06	.068	6	70	.98	87	.03	4	4.41	.01	.05	1
S L9N 025W	1	30	9	51	.1	12	7	208	4.35	10	5	ND	1	7	1	3	2	107	.09	.034	9	25	.27	112	.02	3	1.88	.01	.04	1
S L9N 000	1	25	3	41	.1	5	6	176	3.41	12	5	ND	1	9	1	2	2	90	.17	.043	7	17	.16	55	.01	2	1.20	.01	.04	1
S L9N 025E	1	115	11	140	.2	28	18	666	6.44	21	5	ND	1	8	1	2	2	91	.09	.046	6	57	1.10	103	.02	9	3.28	.01	.06	1
S L9N 050E	1	166	16	176	.1	42	24	708	8.89	28	5	ND	1	8	1	2	2	110	.08	.092	8	82	1.21	126	.02	8	4.61	.01	.08	2
S L9N 075E	1	21	2	44	.2	7	6	250	2.76	8	5	ND	1	8	1	2	2	78	.10	.022	8	16	.15	47	.02	2	1.22	.01	.03	1
S L9N 100E	1	113	9	146	.2	26	22	1255	6.00	21	5	ND	1	15	1	2	2	90	.26	.051	7	53	1.38	140	.04	3	3.17	.01	.07	1
S L9N 125E	1	45	6	65	.1	9	14	411	4.57	7	5	ND	1	10	1	2	2	112	.12	.038	6	37	.32	50	.06	5	2.37	.01	.02	1
S L9N 150E	1	96	11	119	.2	18	24	468	6.95	9	5	ND	1	19	1	2	2	147	.38	.066	5	59	.94	131	.12	7	3.69	.01	.04	1
S L9N 175E	1	97	11	84	.2	14	15	664	6.07	8	5	ND	1	23	1	2	2	143	.46	.051	5	40	1.17	86	.14	3	3.34	.01	.04	1
S L9N 200E	1	53	8	45	.1	15	9	221	5.29	9	5	ND	1	10	1	2	2	139	.14	.051	6	49	.62	53	.09	4	2.58	.01	.03	1
S L9N 225E	1	118	21	88	.1	24	17	500	8.34	13	5	ND	2	15	1	2	2	202	.23	.091	4	70	1.15	64	.20	3	4.69	.01	.03	1
S L9N 250E	1	71	12	61	.1	18	12	576	6.22	15	5	ND	1	13	1	2	2	153	.18	.069	4	60	.83	41	.12	4	3.22	.01	.04	1
S L9N 275E	1	47	3	48	.1	13	10	427	5.11	6	5	ND	1	27	1	2	2	137	.19	.041	4	44	.82	34	.12	8	2.63	.01	.02	1
S L9N 300E	1	72	9	61	.1	12	12	1270	5.88	10	5	ND	1	13	1	2	2	139	.26	.119	6	49	.64	33	.11	5	2.94	.01	.04	1
S L9N 325E	1	109	11	82	.1	24	17	646	6.90	14	5	ND	1	15	1	2	2	146	.30	.055	5	67	1.34	65	.10	6	3.90	.01	.04	1
S L9N 350E	1	77	13	79	.1	20	16	477	5.97	10	5	ND	1	17	1	4	2	135	.25	.041	6	58	.98	89	.09	3	3.43	.01	.06	1
S L9N 375E	1	142	19	74	.4	24	15	590	6.01	15	5	ND	2	10	1	2	2	106	.17	.111	5	94	1.03	53	.10	3	6.67	.01	.03	3
S L9N 400E	1	55	7	57	.1	12	10	351	6.19	12	5	ND	1	10	1	2	2	134	.12	.075	4	45	.66	46	.08	3	3.35	.01	.03	1
S L9N 425E	1	143	11	112	.3	38	22	829	7.18	12	5	ND	2	9	1	2	2	151	.24	.093	3	84	1.03	56	.31	2	5.42	.01	.04	2
S L9N 450E	1	66	10	59	.2	9	11	311	6.97	15	5	ND	1	14	1	2	2	158	.19	.076	4	31	.55	51	.09	8	3.60	.01	.03	1
S L9N 475E	1	92	7	67	.1	16	14	563	5.70	11	5	ND	1	16	1	2	2	140	.30	.067	4	44	.90	60	.12	6	3.57	.01	.04	1
S L9N 500E	1	42	4	48	.1	7	9	350	6.61	9	5	ND	1	17	1	2	2	195	.29	.056	4	50	.57	33	.20	6	2.52	.01	.02	1
S L9N 525E	2	178	23	88	.1	27	22	1227	7.01	18	5	ND	1	16	1	2	2	126	.37	.070	7	72	1.27	97	.09	8	3.77	.01	.05	1
S L9N 550E	2	154	12	113	.1	25	21	550	8.06	20	5	ND	1	13	1	2	2	160	.27	.082	9	74	.93	116	.05	3	4.07	.01	.04	2
S L9N 575E	1	115	9	83	.1	20	19	539	6.05	8	5	ND	1	13	1	2	2	96	.29	.037	6	47	1.13	104	.01	5	3.00	.01	.07	1
S L9N 600E	1	115	14	67	.1	17	17	320	6.06	8	5	ND	1	13	1	2	2	109	.36	.043	9	44	.75	118	.01	2	3.17	.01	.05	1
S L10N 600W	1	117	18	197	.3	23	20	384	7.21	27	5	ND	1	5	1	2	3	81	.05	.043	7	51	.81	137	.01	2	4.43	.01	.06	2
S L10N 575W	2	99	23	146	.3	19	16	550	7.10	39	5	ND	1	7	1	2	2	115	.17	.048	7	41	.59	110	.01	2	3.32	.01	.05	1
S L10N 550W	1	50	11	84	.2	12	11	298	7.95	18	5	ND	2	5	1	3	2	142	.04	.068	4	60	.59	37	.10	2	4.54	.01	.03	3
S L10N 525W	1	106	15	102	.6	18	16	509	7.81	15	5	ND	1	7	1	2	2	144	.07	.076	3	59	1.02	49	.05	2	4.78	.01	.04	3
STD C	20	60	41	132	6.9	70	26	867	3.86	35	18	7	31	49	17	16	20	51	.46	.083	36	57	.84	177	.08	32	1.81	.06	.13	9

SAMPLE#	MO PPM	CU 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
S L10N 500W	1	23	3	31	.1	5	8	263	5.21	3	5	ND	1	4	1	2	2	177	.04	.033	5	25	.29	28	.05	2	2.13	.01	.01	1
S L10N 475W	1	48	7	58	.1	6	11	391	7.71	11	5	ND	1	4	1	2	2	134	.03	.090	6	37	.47	31	.03	2	2.60	.01	.03	1
S L10N 450W	1	94	6	81	.1	12	15	1100	6.20	10	5	ND	1	4	1	2	2	103	.04	.044	7	37	.82	70	.02	2	3.14	.01	.04	1
S L10N 425W	1	26	4	44	.1	5	8	322	5.84	6	5	ND	1	4	1	2	2	129	.04	.044	9	19	.33	25	.02	3	2.35	.01	.02	1
S L10N 400W	1	24	13	47	.1	3	8	307	6.06	5	5	ND	1	4	1	2	2	140	.05	.053	9	19	.33	43	.02	2	2.39	.01	.02	1
S L10N 375W	1	103	12	96	.1	21	16	515	7.66	15	5	ND	1	4	1	2	3	123	.03	.082	7	44	1.01	54	.01	2	4.32	.01	.04	1
S L10N 350W	1	91	13	98	.1	23	15	667	6.74	15	5	ND	1	5	1	2	3	105	.04	.079	6	58	.90	57	.02	3	3.85	.01	.05	1
S L10N 325W	1	58	5	57	.3	12	9	506	5.46	7	5	ND	1	6	1	2	2	117	.05	.049	9	39	.39	86	.01	2	2.49	.01	.03	1
S L10N 300W	1	205	5	130	.2	44	24	817	7.38	18	5	ND	1	5	1	2	2	111	.04	.045	5	73	1.90	111	.02	2	5.16	.01	.07	1
S L10N 275W	1	150	16	115	.2	31	21	1122	6.68	19	5	ND	1	6	1	2	2	99	.05	.049	7	61	1.56	99	.02	2	3.66	.01	.08	1
S L10N 250W	1	141	9	106	.1	31	21	1072	6.33	20	5	ND	1	4	1	2	2	88	.04	.050	6	57	1.49	80	.02	2	3.35	.01	.06	1
S L10N 225W	1	60	2	73	.1	16	12	634	5.24	11	5	ND	1	3	1	2	2	69	.02	.060	7	40	.66	35	.01	4	2.29	.01	.04	1
S L10N 200W	1	51	13	80	.1	19	13	787	5.51	12	5	ND	1	4	1	2	2	73	.04	.065	6	45	.63	43	.01	2	2.69	.01	.05	1
S L10N 175W	1	14	6	35	.1	5	6	261	3.52	3	5	ND	1	6	1	2	2	83	.05	.044	8	18	.22	56	.02	2	1.53	.01	.02	1
S L10N 150W	1	71	9	86	.1	25	16	1013	5.42	11	5	ND	1	8	1	2	2	98	.09	.046	7	47	.90	80	.02	2	3.04	.01	.04	1
S L10N 125W	1	106	11	126	.3	24	18	784	6.24	13	5	ND	1	5	1	2	2	95	.05	.066	7	53	.92	90	.01	3	4.02	.01	.04	1
S L10N 100W	1	49	12	80	.2	18	11	514	5.40	10	5	ND	1	6	1	2	2	93	.07	.049	8	36	.53	54	.02	2	2.43	.01	.04	1
S L10N 075W	1	50	10	75	.2	14	11	472	5.76	11	5	ND	1	5	1	2	2	92	.06	.057	7	37	.54	55	.02	2	2.39	.01	.04	1
S L10N 050W	1	114	11	117	.2	31	19	735	6.15	19	5	ND	1	5	1	2	2	84	.05	.079	5	62	1.22	47	.03	12	4.27	.01	.04	1
S L10N 025W	1	59	11	104	.4	18	14	661	7.14	15	5	ND	1	5	1	2	3	108	.04	.061	7	63	.61	58	.02	2	4.22	.01	.03	1
S L10N 000	1	16	2	30	.1	6	5	141	3.05	4	5	ND	1	3	1	2	2	77	.02	.023	7	14	.15	19	.02	4	1.31	.01	.01	1
S L10N 025E	1	61	9	83	.2	15	12	383	5.63	10	5	ND	1	6	1	2	2	94	.10	.058	3	40	.87	40	.03	2	2.65	.01	.03	1
S L10N 050E	1	14	4	26	.2	4	6	205	3.78	5	5	ND	1	4	1	2	2	97	.04	.046	6	13	.11	25	.03	2	1.33	.01	.02	1
S L10N 075E	3	175	13	176	.2	56	23	724	7.49	22	5	ND	1	4	1	2	2	84	.03	.063	6	83	1.31	102	.01	2	5.20	.01	.06	1
S L10N 100E	1	33	2	44	.2	5	6	142	3.34	6	5	ND	1	11	1	2	2	122	.17	.025	5	16	.22	49	.05	2	1.28	.01	.02	1
S L10N 125E	1	117	6	90	.1	18	14	349	6.56	10	5	ND	1	11	1	2	2	143	.11	.024	4	44	1.23	54	.07	7	3.97	.01	.04	1
S L10N 150E	2	168	24	139	.2	40	21	590	9.71	28	5	ND	1	7	1	4	3	140	.08	.057	6	85	1.23	98	.03	2	4.54	.01	.05	2
S L10N 175E	1	107	10	88	.3	21	14	314	8.85	15	5	ND	2	8	1	3	2	191	.11	.088	5	80	.86	48	.21	2	5.51	.01	.03	1
S L10N 200E	2	102	8	83	.6	18	16	372	8.94	12	6	ND	1	9	1	5	3	188	.15	.065	5	69	.91	66	.14	2	5.70	.01	.03	2
S L10N 225E	1	102	11	69	.1	16	14	348	7.08	11	5	ND	1	8	1	3	2	142	.19	.041	5	44	.66	62	.04	2	3.22	.01	.05	1
S L10N 250E	1	101	7	85	.1	21	17	474	6.94	9	5	ND	1	9	1	2	2	145	.16	.045	4	63	1.14	60	.10	2	3.58	.01	.03	1
S L10N 275E	1	87	15	100	.3	27	20	536	6.73	8	5	ND	1	11	1	2	2	131	.25	.050	4	66	1.32	95	.10	2	3.51	.01	.03	1
S L10N 300E	1	59	7	62	.2	7	10	370	6.53	6	5	ND	1	11	1	2	2	151	.21	.056	5	28	.39	57	.04	2	2.52	.01	.03	1
S L10N 325E	1	62	5	72	.2	13	13	470	7.00	12	5	ND	1	12	1	2	2	166	.17	.075	5	47	.68	52	.12	2	3.35	.01	.02	1
S L10N 350E	1	67	4	85	.2	22	15	413	7.08	11	5	ND	1	17	1	2	2	162	.20	.060	6	68	1.30	68	.10	2	4.09	.01	.05	1
S L10N 375E	1	35	5	64	.1	11	12	923	5.12	7	5	ND	1	32	1	2	2	160	.67	.037	6	36	.69	160	.05	2	2.53	.01	.05	1
S L10N 400E	2	74	11	86	.4	18	18	529	7.23	11	6	ND	1	16	1	2	2	160	.25	.067	7	57	.84	98	.07	5	3.57	.01	.04	1
S L10N 425E	2	57	12	81	.3	9	9	604	4.06	4	5	ND	1	26	1	2	2	114	.91	.050	5	42	.43	132	.07	4	1.67	.01	.03	1
S L10N 450E	2	63	14	104	.3	12	14	1156	5.63	9	5	ND	1	22	1	2	2	147	.69	.047	6	59	.61	127	.08	2	2.32	.01	.03	1
S L10N 475E	1	70	11	94	.4	22	17	441	6.67	10	5	ND	1	23	1	2	2	142	.57	.047	8	70	.96	161	.06	3	3.68	.01	.05	1
STD C	18	58	37	131	7.2	69	25	937	4.04	37	16	7	37	46	16	17	20	59	.46	.076	35	55	.83	174	.07	30	1.78	.06	.12	13

SAMPLE#	MO PPM	CU PPM	PR 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
S L10N 500E	1	62	15	109	.3	28	25	561	7.84	11	5	ND	1	19	1	2	2	150	.45	.069	6	87	1.51	109	.17	2	4.22	.01	.05	1
S L10N 525E	1	55	22	69	.1	15	12	362	6.67	8	5	ND	1	16	1	2	2	152	.27	.055	5	73	.95	63	.11	4	3.27	.01	.05	1
S L10N 550E	1	77	21	86	.2	29	22	784	6.44	5	5	ND	1	27	1	2	2	131	.64	.041	9	86	1.57	201	.11	3	3.73	.01	.06	1
S L10N 575E	1	136	15	91	.1	41	24	826	6.64	11	5	ND	1	21	1	2	2	136	.42	.029	8	111	2.17	170	.19	8	4.30	.01	.06	1
S L10N 600E	1	74	15	84	.2	19	15	308	6.62	5	5	ND	1	31	1	2	2	150	.77	.052	9	97	1.10	111	.20	2	4.30	.01	.03	1
S L11N 600W	1	56	19	57	.1	10	12	325	8.68	13	5	ND	1	9	1	2	2	209	.07	.063	7	51	.79	35	.08	2	3.28	.01	.04	1
S L11N 575W	1	88	13	96	.1	14	15	766	7.26	13	5	ND	1	10	1	2	2	139	.08	.085	7	59	.90	58	.07	3	4.38	.01	.06	1
S L11N 550W	1	21	14	34	.1	6	8	222	5.35	9	5	ND	1	9	1	2	2	172	.07	.053	9	31	.30	35	.07	4	2.01	.01	.02	1
S L11N 525W	1	43	17	46	.2	9	10	426	6.43	7	5	ND	1	9	1	2	2	165	.07	.067	8	45	.41	40	.06	2	2.18	.01	.04	1
S L11N 500W	1	29	10	41	.1	7	9	266	7.77	8	5	ND	1	8	1	2	2	163	.04	.078	8	62	.38	40	.06	4	2.55	.01	.03	1
S L11N 475W	1	99	14	84	.1	14	16	425	8.00	21	5	ND	1	7	1	2	2	152	.05	.057	8	54	.98	62	.03	2	3.88	.01	.05	1
S L11N 450W	1	17	9	26	.1	2	6	141	3.72	3	5	ND	1	8	1	2	2	135	.06	.044	10	13	.25	25	.05	3	1.73	.01	.03	1
S L11N 425W	1	77	14	77	.1	14	14	533	6.68	7	5	ND	1	9	1	2	2	120	.07	.059	9	46	.93	71	.05	2	3.72	.01	.04	1
S L11N 400W	1	170	17	107	.1	27	24	1762	7.27	20	5	ND	1	11	1	2	2	110	.09	.062	10	58	1.74	160	.04	3	4.04	.01	.09	1
S L11N 375W	1	16	5	30	.1	6	6	282	3.63	7	5	ND	1	7	1	2	2	98	.08	.044	13	21	.26	31	.03	4	1.76	.01	.03	1
S L11N 350W	1	55	7	69	.1	12	12	674	6.77	12	5	ND	1	9	1	2	2	117	.08	.087	9	49	.77	44	.04	2	3.42	.01	.05	1
S L11N 325W	1	83	9	79	.1	16	17	569	6.77	16	5	ND	1	10	1	2	2	132	.08	.050	8	51	1.14	79	.04	4	3.59	.01	.08	1
S L11N 300W	1	37	18	51	.1	10	10	440	5.77	11	5	ND	1	12	1	2	2	160	.13	.064	7	35	.56	43	.06	2	2.17	.01	.04	1
S L11N 275W	1	92	15	78	.1	20	18	518	6.07	20	5	ND	1	10	1	2	2	119	.09	.050	6	46	1.32	127	.04	4	2.76	.01	.06	1
S L11N 250W	1	82	12	77	.2	14	16	470	6.68	12	5	ND	1	8	1	2	2	129	.07	.054	8	49	.92	71	.04	2	3.63	.01	.04	1
S L11N 225W	1	37	12	61	.1	12	10	500	7.17	13	5	ND	1	10	1	2	2	137	.10	.079	8	43	.63	42	.03	3	2.88	.01	.04	1
S L11N 200W	1	21	11	37	.6	11	8	254	3.94	6	5	ND	1	9	1	3	2	95	.08	.039	9	27	.39	36	.03	3	1.95	.01	.03	1
S L11N 175W	2	50	11	80	.5	13	10	441	4.64	12	5	ND	1	10	1	2	3	85	.11	.082	6	38	.61	45	.04	2	2.64	.01	.05	1
S L11N 150W	2	51	12	66	.1	14	12	476	6.45	11	5	ND	1	12	1	2	3	125	.12	.057	8	43	.78	59	.04	6	3.15	.01	.04	1
S L11N 125W	1	60	6	97	.2	13	14	570	7.07	7	5	ND	2	11	1	2	2	118	.11	.088	7	59	.69	76	.07	3	4.21	.01	.05	1
S L11N 100W	2	34	10	52	.1	11	9	254	4.78	8	5	ND	1	8	1	2	2	104	.07	.056	8	33	.58	29	.04	3	2.27	.01	.03	2
S L11N 075W	2	116	7	110	.2	21	20	1356	6.37	12	5	ND	2	11	1	2	3	108	.12	.064	6	57	1.32	70	.05	6	3.95	.01	.07	3
S L11N 050W	1	90	11	82	.3	19	16	1090	5.44	11	6	ND	1	10	1	2	3	97	.12	.096	5	43	1.10	47	.04	2	2.88	.01	.06	2
S L11N 025W	2	43	9	75	.3	11	12	408	6.87	15	5	ND	1	5	1	3	2	109	.06	.096	6	48	.58	41	.06	5	3.03	.01	.03	1
S L11N 000	2	117	10	100	.3	23	22	976	6.34	15	5	ND	2	11	1	5	2	101	.17	.054	7	60	1.46	88	.06	2	3.30	.01	.05	1
S L11N 025E	2	85	2	128	.1	21	17	446	7.31	14	5	ND	1	15	1	2	2	119	.21	.074	5	56	1.32	104	.05	8	3.69	.01	.05	1
S L11N 050E	1	18	11	41	.1	7	6	155	3.82	5	6	ND	1	10	1	2	2	122	.12	.032	7	16	.37	47	.03	4	1.61	.01	.02	1
S L11N 075E	1	29	13	50	.1	11	9	196	5.59	10	5	ND	1	11	1	2	2	129	.11	.041	7	33	.62	36	.05	4	2.50	.01	.03	2
S L11N 100E	2	66	13	87	.1	19	16	420	6.14	12	5	ND	1	19	1	2	3	133	.25	.047	5	46	1.30	66	.09	2	2.85	.01	.05	1
S L11N 125E	2	92	11	100	.2	27	20	814	6.01	13	5	ND	1	15	1	2	2	103	.22	.060	8	53	1.39	82	.06	6	2.95	.01	.08	2
S L11N 150E	1	125	10	106	.1	25	22	527	7.43	13	5	ND	1	14	1	2	4	154	.16	.047	7	71	1.56	114	.10	4	4.22	.01	.08	2
S L11N 175E	1	23	9	35	.2	13	6	151	5.09	4	5	ND	1	13	1	4	2	165	.23	.027	5	31	.25	40	.13	2	1.51	.01	.02	1
S L11N 200E	2	118	6	76	.1	24	14	445	7.45	19	5	ND	1	14	1	2	2	144	.17	.044	7	53	.66	125	.01	8	2.53	.01	.07	2
S L11N 225E	2	68	12	77	.1	11	12	352	6.64	9	5	ND	1	13	1	2	2	136	.30	.059	4	46	.63	64	.06	8	2.40	.01	.03	1
S L11N 250E	2	102	13	85	.3	19	18	1630	5.71	9	5	ND	1	24	1	2	2	103	.79	.058	8	54	1.08	128	.07	4	2.92	.01	.05	2
STD C	20	57	40	130	7.3	66	30	957	4.13	39	19	8	34	49	17	16	23	57	.50	.084	39	58	.91	181	.08	33	1.76	.07	.14	12

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S L11N 275E	1	89	15	67	.1	25	13	468	7.16	10	5	ND	2	6	1	2	2	112	.10	.062	7	89	.90	71	.02	7	3.49	.01	.06	4
S L11N 300E	1	63	19	55	.1	19	12	333	6.03	8	5	ND	1	7	1	2	2	119	.08	.042	10	60	.61	82	.02	8	3.01	.01	.05	1
S L11N 325E	1	106	10	74	.1	8	11	276	6.66	8	5	ND	1	4	1	2	2	75	.11	.060	2	17	.28	53	.01	3	1.98	.01	.05	1
S L11N 350E	1	85	13	82	.1	29	18	593	5.88	8	7	ND	1	20	1	2	2	112	.38	.066	8	64	.89	170	.07	3	3.32	.01	.06	2
S L11N 375E	1	135	25	93	.1	34	22	1382	7.33	16	6	ND	1	16	1	2	2	109	.29	.072	11	65	1.29	115	.06	2	3.40	.01	.07	1
S L11N 400E	1	16	5	27	.1	8	5	158	2.13	2	5	ND	1	13	1	2	2	89	.22	.028	13	51	.24	37	.06	2	1.12	.01	.04	1
S L11N 425E	1	92	20	73	.1	37	19	704	5.88	14	6	ND	1	15	1	2	2	128	.43	.094	7	101	1.36	77	.12	4	3.36	.01	.05	1
S L11N 450E	1	37	15	47	.1	14	9	200	5.12	9	5	ND	1	17	1	2	2	129	.33	.055	6	58	.58	73	.11	2	2.09	.01	.04	2
S L11N 475E	1	33	22	75	.1	15	11	365	5.09	10	5	ND	1	21	1	2	2	121	.69	.076	5	70	.66	90	.20	2	2.60	.01	.03	1
S L11N 500E	1	90	44	123	.3	34	19	1218	5.94	11	6	ND	2	17	1	2	2	134	.40	.126	10	104	1.32	110	.06	2	3.68	.01	.12	2
S L11N 525E	1	100	30	105	.2	39	21	1345	5.24	12	5	ND	1	27	1	2	2	115	.81	.077	10	96	1.83	127	.07	13	3.44	.01	.06	2
S L11N 550E	1	36	14	81	.1	14	11	311	5.48	10	5	ND	1	16	1	2	2	129	.33	.043	8	66	.46	67	.04	5	2.34	.01	.03	1
S L11N 575E	1	84	19	75	.1	35	18	953	4.86	10	5	ND	1	24	1	2	2	128	.67	.059	10	114	1.64	82	.22	5	3.06	.01	.05	1
S L11N 600E	1	18	14	21	.1	4	5	114	4.79	7	5	ND	1	18	1	6	2	210	.28	.036	5	46	.17	24	.21	4	1.27	.01	.04	1
S L12N 600W	1	48	14	44	.1	3	10	580	5.60	6	5	ND	1	14	1	3	2	172	.12	.063	7	40	.50	33	.10	2	2.91	.01	.04	3
S L12N 575W	1	111	27	110	.1	19	18	733	7.93	9	5	ND	1	9	1	2	2	148	.06	.085	5	78	1.33	50	.08	2	5.79	.01	.06	5
S L12N 550W	1	90	20	75	.2	9	13	445	7.09	14	5	ND	1	9	1	2	2	134	.05	.127	6	52	.66	35	.05	2	3.70	.01	.05	2
S L12N 525W	1	52	14	53	.1	11	12	350	5.86	10	5	ND	1	9	1	2	2	131	.06	.055	6	38	.72	37	.06	2	2.62	.01	.04	1
S L12N 500W	1	37	10	42	.1	7	8	255	4.61	8	5	ND	1	7	1	2	2	101	.06	.059	7	28	.43	42	.05	3	2.19	.01	.03	1
S L12N 475W	1	68	23	68	.1	13	13	399	5.97	8	5	ND	1	7	1	2	2	125	.04	.076	6	44	.77	39	.04	2	3.20	.01	.03	1
S L12N 450W	1	66	25	60	.2	9	11	446	5.89	10	5	ND	1	11	1	2	2	146	.08	.070	6	34	.52	39	.07	7	3.10	.01	.03	2
S L12N 425W	1	70	18	80	.2	14	12	488	5.26	6	5	ND	1	10	1	3	3	112	.07	.073	6	43	.89	51	.05	12	3.43	.01	.06	2
S L12N 400W	1	90	22	86	.2	18	15	683	5.99	14	5	ND	1	10	1	2	2	125	.08	.077	6	50	1.03	56	.05	11	3.39	.01	.07	3
S L12N 375W	1	92	15	79	.1	16	14	1005	5.49	10	5	ND	1	12	1	2	2	118	.09	.055	7	46	.88	73	.04	5	3.50	.01	.06	3
S L12N 350W	1	82	16	78	.1	15	13	639	6.19	9	5	ND	1	14	1	2	2	123	.10	.075	7	52	.79	55	.05	2	4.21	.01	.05	2
S L12N 325W	1	28	17	43	.2	11	9	364	5.43	11	6	ND	1	12	1	2	2	123	.10	.079	9	36	.41	39	.04	2	2.44	.01	.04	2
S L12N 300W	1	48	15	53	.1	9	8	325	4.14	8	5	ND	1	12	1	2	2	95	.09	.046	8	30	.52	39	.04	2	2.98	.01	.04	1
S L12N 275W	1	28	13	37	.1	8	7	190	4.12	9	5	ND	1	9	1	6	2	105	.07	.056	7	23	.34	28	.04	2	2.16	.01	.03	1
S L12N 250W	1	66	24	51	.2	10	10	401	5.19	14	5	ND	1	7	1	2	2	114	.06	.064	6	26	.50	42	.03	2	2.85	.01	.03	2
S L12N 225W	1	67	20	55	.2	11	10	303	5.51	12	5	ND	1	7	1	3	2	111	.06	.054	5	28	.69	85	.04	3	2.93	.01	.04	1
S L12N 200W	1	84	25	89	.2	12	13	370	7.71	16	5	ND	2	9	1	2	2	124	.10	.091	6	46	.78	49	.04	8	4.72	.01	.06	3
S L12N 175W	1	80	23	68	.1	13	13	665	5.42	11	5	ND	1	14	1	2	2	113	.15	.049	7	40	.90	273	.05	12	3.13	.01	.06	1
S L12N 150W	1	20	15	34	.1	4	6	293	4.18	5	5	ND	1	17	1	3	2	103	.15	.038	8	22	.25	25	.03	3	2.15	.01	.03	1
S L12N 125W	1	55	23	115	.2	16	13	406	5.81	11	5	ND	1	13	1	4	2	109	.14	.067	8	50	.72	52	.11	7	3.74	.01	.06	2
S L12N 100W	2	175	25	120	.1	31	25	1234	6.44	21	5	ND	1	16	1	2	3	105	.20	.064	8	53	1.98	80	.07	3	3.65	.01	.10	3
S L12N 075W	2	118	29	100	.1	23	18	529	7.29	16	5	ND	2	11	1	2	2	126	.13	.060	5	52	1.50	83	.07	2	4.34	.01	.07	3
S L12N 050W	1	49	31	80	.2	14	12	326	5.19	11	5	ND	1	10	1	2	2	105	.11	.043	9	36	.59	63	.05	2	3.08	.01	.03	1
S L12N 025W	1	62	19	94	.1	11	14	734	5.92	14	5	ND	1	23	1	3	2	117	.68	.050	6	40	.81	75	.05	3	3.04	.01	.05	1
S L12N 000	2	41	16	44	.1	10	9	232	6.18	16	5	ND	1	11	1	5	2	156	.11	.057	7	21	.34	55	.04	2	2.21	.01	.03	1
S L12N 025E	1	45	19	69	.1	10	10	322	5.18	8	5	ND	1	14	1	3	2	112	.18	.051	5	33	.65	55	.06	2	2.67	.01	.03	1
STD C	19	58	40	125	6.8	66	27	948	3.73	40	17	7	31	45	16	16	22	51	.45	.080	35	53	.82	163	.08	33	1.75	.06	.13	12

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
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	%	%	%	%	PPH
S L12N 050E	1	126	36	107	.5	28	23	857	5.40	16	5	ND	1	9	1	2	2	70	.14	.042	8	53	1.28	93	.03	4	3.25	.01	.06	1
S L12N 075E	1	88	22	74	.3	15	13	300	5.52	10	5	ND	1	10	1	2	2	115	.12	.048	4	48	1.01	53	.08	2	3.18	.01	.03	2
S L12N 100E	1	58	36	95	.4	13	12	313	5.78	14	5	ND	1	8	1	2	2	93	.11	.106	3	55	.89	34	.09	3	4.63	.01	.03	3
S L12N 125E	1	20	15	30	.1	4	6	135	3.29	6	5	ND	1	9	1	3	2	119	.12	.031	6	20	.24	35	.06	3	1.19	.01	.03	1
S L12N 150E	1	28	13	42	.2	6	7	172	3.80	9	5	ND	1	9	1	3	2	81	.19	.043	4	24	.29	41	.03	2	1.50	.01	.04	1
S L12N 175E	1	30	15	70	.2	8	97	2282	2.33	2	5	ND	1	24	1	2	2	56	.54	.030	7	17	.20	95	.05	10	1.17	.01	.03	1
S L12N 200E	1	104	16	93	.3	25	19	1054	5.72	14	5	ND	1	17	1	2	2	110	.38	.052	7	67	1.23	87	.09	4	3.20	.01	.04	1
S L12N 225E	2	92	27	94	.1	45	20	554	7.60	23	5	ND	1	6	1	4	2	106	.10	.046	6	54	.59	75	.02	2	2.47	.01	.04	1
S L12N 250E	1	48	20	46	.3	7	8	211	5.62	12	5	ND	1	8	1	5	2	121	.30	.053	4	34	.27	41	.06	5	1.45	.01	.04	1
S L12N 275E	1	13	8	22	.1	4	4	88	2.99	3	5	ND	1	8	1	4	2	108	.12	.045	4	29	.14	17	.13	2	.91	.01	.01	1
S L12N 300E	1	63	25	78	.3	26	16	410	5.59	13	5	ND	1	13	1	2	2	122	.23	.069	4	78	1.18	45	.15	8	3.53	.01	.03	2
S L12N 325E	1	34	13	43	.3	11	8	255	4.11	8	5	ND	1	10	1	2	2	108	.22	.088	4	45	.54	34	.12	5	1.74	.01	.03	1
S L12N 350E	1	91	22	72	.4	36	18	459	5.65	11	5	ND	1	9	1	3	2	123	.24	.063	5	102	1.87	46	.15	3	3.44	.01	.03	2
S L12N 375E	1	79	20	69	.3	36	18	456	6.14	12	5	ND	1	10	1	2	2	136	.30	.111	4	121	1.46	38	.19	9	3.63	.01	.03	2
S L12N 400E	1	35	15	71	.2	24	12	356	4.59	7	5	ND	1	8	1	2	2	112	.33	.055	4	84	.98	80	.07	6	2.24	.01	.02	1
S L12N 425E	1	60	105	99	.5	22	14	246	5.87	13	5	ND	1	6	1	2	2	141	.17	.098	7	103	.79	43	.07	2	2.92	.01	.03	2
S L12N 450E	2	131	28	114	.5	34	19	3135	5.47	17	5	ND	1	21	2	2	3	108	.61	.099	22	134	.89	203	.05	7	3.23	.01	.03	1
S L12N 475E	1	111	27	90	.2	35	21	963	5.51	16	5	ND	1	12	1	2	2	110	.33	.078	8	100	1.71	77	.12	10	3.33	.01	.04	1
S L12N 500E	1	74	33	92	.7	36	22	471	7.28	10	5	ND	1	7	1	2	2	130	.18	.103	5	137	1.95	77	.03	8	4.53	.01	.03	1
S L12N 525E	1	67	26	69	.4	24	15	479	5.89	11	5	ND	1	12	1	2	2	144	.32	.072	8	126	1.22	62	.22	13	3.28	.01	.03	1
S L12N 550E	1	50	32	60	.2	15	11	257	8.33	8	5	ND	1	12	1	2	2	187	.27	.083	4	104	.91	31	.30	6	3.95	.01	.03	1
S L12N 575E	1	74	18	53	.1	26	14	285	6.20	7	5	ND	1	11	1	2	2	136	.20	.034	5	90	1.09	53	.10	6	3.30	.01	.03	1
S L12N 600E	1	78	17	56	.3	20	13	455	5.00	9	5	ND	1	12	1	2	2	127	.37	.091	4	64	1.10	32	.20	12	2.99	.01	.03	1
S L13N 600W	1	139	30	121	.5	16	18	1130	6.39	7	5	ND	1	9	1	2	2	151	.09	.056	5	51	1.12	50	.08	8	3.26	.01	.04	1
S L13N 575W	1	46	18	56	.6	8	10	621	4.69	6	5	ND	1	9	1	2	2	115	.13	.052	4	33	.67	35	.06	6	1.87	.01	.03	1
S L13N 550W	1	59	18	79	.3	17	13	430	5.35	3	5	ND	1	11	1	2	2	118	.06	.068	5	57	.77	37	.07	7	3.02	.01	.03	1
S L13N 525W	1	71	17	92	.2	14	14	557	5.19	6	5	ND	1	9	1	2	2	106	.05	.100	5	49	.95	35	.05	7	3.16	.01	.06	1
S L13N 500W	1	93	17	121	.4	17	18	942	5.57	7	5	ND	1	6	1	3	2	106	.05	.090	4	55	1.19	46	.05	9	3.68	.01	.03	1
S L13N 475W	1	100	29	112	.3	21	18	791	6.03	10	5	ND	1	5	1	2	3	112	.04	.067	4	60	1.44	42	.06	13	4.19	.01	.03	1
S L13N 450W	1	63	17	80	.3	12	12	434	5.82	7	5	ND	1	6	1	2	2	128	.03	.057	6	49	.74	43	.03	11	2.64	.01	.03	1
S L13N 425W	2	109	22	99	.3	14	14	416	6.56	7	5	ND	1	8	1	3	2	144	.05	.076	6	51	.94	49	.06	8	3.45	.01	.04	1
S L13N 400W	2	97	29	128	.5	19	17	481	6.30	11	5	ND	1	7	1	2	2	120	.05	.083	4	57	1.23	58	.05	6	4.17	.01	.04	2
S L13N 375W	2	81	21	82	.3	16	13	477	6.25	14	5	ND	1	6	1	2	2	118	.06	.088	4	41	.97	37	.05	6	3.65	.01	.03	2
S L13N 350W	1	28	11	39	.2	4	8	205	5.11	9	5	ND	1	6	1	2	2	129	.05	.055	5	22	.32	21	.05	9	2.09	.01	.01	1
S L13N 325W	1	60	14	66	.3	12	13	388	6.30	14	5	ND	1	7	1	2	2	126	.06	.067	4	35	.83	45	.06	10	2.63	.01	.04	1
S L13N 300W	1	28	5	43	.2	7	7	412	3.73	4	5	ND	1	6	1	2	2	95	.05	.058	6	20	.29	29	.04	11	1.61	.01	.03	1
S L13N 275W	1	63	13	70	.2	12	11	558	5.36	9	5	ND	1	6	1	2	2	76	.05	.079	8	29	.72	58	.02	11	3.46	.01	.03	1
S L13N 250W	2	123	19	101	.3	18	17	565	6.55	14	5	ND	1	7	1	2	2	117	.07	.069	4	47	1.22	57	.05	15	4.02	.01	.04	1
S L13N 225W	1	60	19	71	.3	13	11	534	5.12	14	5	ND	1	5	1	2	2	85	.07	.080	4	34	.54	40	.02	9	2.58	.01	.03	1
S L13N 200W	2	84	20	100	.2	23	17	509	5.52	14	5	ND	1	8	1	2	3	94	.09	.062	5	47	1.11	58	.06	10	3.56	.01	.04	2
STD C	20	60	40	131	6.8	62	27	961	3.76	38	18	7	31	45	16	16	20	52	.45	.082	36	52	.83	165	.08	32	1.76	.06	.13	14

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
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH
S L13N 175W	1	60	17	100	.1	18	15	459	5.28	6	5	ND	1	13	1	2	2	105	.19	.041	6	43	.90	74	.04	3	3.20	.01	.03	2
S L13N 150W	1	125	23	99	.2	23	16	440	6.25	10	5	ND	1	11	1	3	2	100	.21	.046	5	50	1.29	89	.04	8	3.59	.01	.04	2
S L13N 125W	1	70	15	106	.1	16	15	584	4.77	5	6	ND	1	11	1	4	2	85	.17	.071	4	42	1.03	72	.05	8	2.89	.01	.05	2
S L13N 100W	1	77	14	80	.1	17	14	462	6.73	10	5	ND	1	9	1	3	2	126	.12	.070	5	51	.88	47	.09	4	3.40	.01	.04	4
S L13N 075W	1	101	23	106	.1	22	16	575	6.67	12	5	ND	1	7	1	3	2	108	.12	.083	4	52	1.09	66	.07	5	3.59	.01	.03	3
S L13N 050W	1	44	17	58	.2	8	9	289	5.81	9	5	ND	1	6	1	3	2	123	.06	.059	5	33	.45	33	.06	2	2.31	.01	.02	1
S L13N 025W	1	68	20	91	.2	17	13	367	5.73	12	5	ND	1	8	1	5	2	120	.13	.064	4	46	.92	41	.10	9	3.24	.01	.03	1
S L13N 000	1	69	20	97	.2	17	14	355	5.72	8	5	ND	1	9	1	3	2	118	.13	.065	4	48	.96	41	.11	6	3.32	.01	.03	2
S L13N 025E	1	87	18	132	.5	15	18	1853	5.32	11	5	ND	1	23	1	2	2	104	.62	.075	8	40	1.00	105	.04	4	3.04	.01	.05	2
S L13N 050E	1	119	23	119	.2	29	20	974	6.42	16	8	ND	1	7	1	2	2	94	.12	.072	8	54	1.17	79	.03	7	3.65	.01	.07	3
S L13N 075E	1	109	23	116	.2	21	20	975	5.65	8	5	ND	1	6	1	4	2	81	.10	.073	6	47	1.01	66	.02	4	3.37	.01	.05	2
S L13N 100E	1	63	20	95	.1	18	13	416	6.37	10	5	ND	1	7	1	2	2	100	.10	.070	5	47	.78	64	.03	6	2.95	.01	.04	1
S L13N 125E	1	56	17	76	.2	12	12	424	6.09	12	6	ND	1	6	1	3	3	103	.08	.064	6	35	.54	41	.02	2	2.39	.01	.04	1
S L13N 150E	1	129	12	102	.1	36	21	1216	5.73	16	5	ND	1	10	1	2	2	81	.22	.044	7	60	1.55	82	.05	11	2.98	.01	.06	1
S L13N 175E	2	94	19	101	.1	25	22	838	6.72	12	5	ND	1	7	1	4	3	95	.11	.064	7	60	.98	63	.04	5	3.42	.01	.05	3
S L13N 200E	1	118	18	70	.1	30	17	543	5.05	16	5	ND	1	7	1	2	2	105	.41	.082	4	75	1.51	29	.16	12	3.23	.01	.04	1
S L13N 225E	1	71	13	65	.1	17	12	294	5.76	11	5	ND	1	5	1	2	2	129	.25	.076	3	74	.89	35	.16	8	3.20	.01	.02	1
S L13N 250E	1	31	7	37	.1	6	6	149	4.86	9	5	ND	1	6	1	2	2	145	.14	.058	3	31	.28	31	.08	4	1.26	.01	.02	1
S L13N 275E	2	116	20	120	.2	27	18	820	6.21	18	5	ND	1	8	1	2	2	92	.24	.053	6	63	1.02	161	.01	2	3.03	.01	.04	1
S L13N 325E	1	95	24	106	.2	31	22	1211	5.99	16	5	ND	1	16	1	2	2	100	.45	.060	6	75	1.10	175	.03	5	2.85	.01	.04	1
S L13N 350E	1	99	24	111	.1	34	20	1091	6.14	15	5	ND	1	16	1	2	2	107	.44	.060	7	78	1.14	170	.03	11	2.98	.01	.04	1
S L13N 375E	1	19	14	32	.2	3	6	150	6.69	3	5	ND	1	8	1	4	2	162	.14	.064	4	53	.19	22	.20	4	1.67	.01	.01	1
S L13N 400E	1	26	12	30	.1	5	6	112	5.51	7	5	ND	1	8	1	3	2	199	.18	.127	3	51	.27	14	.29	5	1.47	.01	.01	1
S L13N 425E	1	48	19	36	.1	13	7	186	5.86	6	5	ND	1	11	1	2	2	169	.22	.088	3	54	.53	25	.21	8	2.50	.01	.01	1
S L13N 450E	1	60	19	51	.1	12	10	256	5.56	7	5	ND	2	14	1	2	2	157	.38	.070	4	48	.65	33	.22	11	2.99	.01	.02	2
S L13N 475E	1	64	20	50	.1	12	10	245	5.91	3	5	ND	1	13	1	2	2	165	.36	.072	4	50	.66	31	.23	10	3.22	.01	.02	1
S L13N 500E	1	57	15	44	.1	12	11	454	4.84	3	5	ND	1	10	1	2	3	137	.41	.072	3	43	.67	34	.23	10	2.62	.01	.02	1
S L13N 550E	1	25	15	31	.1	6	6	165	4.66	3	5	ND	1	11	1	2	2	155	.32	.033	3	35	.40	25	.25	7	1.64	.01	.02	1
S L13N 575E	1	72	17	56	.1	19	12	588	4.99	4	5	ND	1	9	1	2	2	125	.40	.074	4	55	1.00	38	.21	2	2.86	.01	.03	1
S L13N 600E	1	86	18	67	.1	26	17	871	5.22	8	5	ND	1	11	1	2	2	116	.47	.074	6	62	1.26	39	.21	14	3.26	.01	.03	2
S L14N 600M	1	29	10	34	.1	4	7	173	4.65	4	5	ND	1	7	1	2	2	122	.06	.036	5	20	.44	18	.03	7	1.65	.01	.02	1
S L14N 575M	1	68	20	93	.5	10	12	379	6.34	6	5	ND	1	9	1	2	3	159	.06	.048	4	45	.95	34	.11	9	2.83	.02	.03	1
S L14N 550M	1	138	24	139	.2	18	19	501	7.04	9	5	ND	1	8	1	2	2	159	.06	.061	4	64	1.41	37	.11	12	4.05	.01	.04	1
S L14N 525M	1	98	23	122	.2	17	15	498	5.49	4	5	ND	1	9	1	2	2	122	.06	.062	5	54	1.04	49	.06	8	3.62	.01	.03	2
S L14N 500M	1	71	24	92	.3	12	13	399	9.14	12	5	ND	1	7	1	2	3	164	.04	.111	4	55	.71	37	.09	5	3.62	.01	.03	2
S L14N 475M	1	46	20	66	.1	6	12	476	5.80	7	5	ND	1	8	1	2	2	120	.05	.079	5	36	.52	31	.06	6	2.65	.01	.02	1
S L14N 450M	1	114	20	116	.1	20	17	641	5.86	13	5	ND	1	7	1	2	2	104	.05	.096	5	53	1.12	60	.04	9	3.52	.01	.05	1
S L14N 425M	2	41	19	63	.2	10	10	324	5.80	5	5	ND	1	6	1	2	3	98	.03	.065	7	38	.51	39	.03	6	2.64	.01	.03	1
S L14N 400M	1	65	18	80	.2	15	13	537	5.69	7	5	ND	1	6	1	2	2	90	.04	.067	5	43	.71	56	.03	8	2.81	.01	.03	1
S L14N 375M	2	91	27	79	.1	16	15	532	6.27	9	5	ND	1	7	1	2	2	117	.06	.057	5	44	1.14	51	.05	6	3.36	.01	.03	1
STD C	21	55	40	129	6.7	65	27	951	3.73	37	15	8	31	45	16	18	20	51	.44	.081	35	52	.81	164	.08	33	1.74	.06	.14	13

ROSSBACHER LABORATORY CERT #07331 FILE # 87-2610

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
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S L14N 350W	1	69	22	92	.1	14	16	548	5.69	7	7	ND	1	5	1	5	2	80	.05	.089	4	37	.79	40	.04	9	4.35	.01	.03	1
S L14N 325W	1	51	12	52	.1	7	10	356	5.30	5	5	ND	1	4	1	2	2	72	.04	.075	3	22	.42	37	.03	5	2.60	.01	.01	1
S L14N 300W	1	99	17	77	.1	15	19	623	5.70	5	5	ND	1	3	1	3	2	72	.04	.063	3	33	.98	60	.02	6	3.62	.01	.02	1
S L14N 275W	1	68	50	114	.1	17	15	788	5.76	16	5	ND	1	5	1	4	2	83	.06	.067	3	34	.55	38	.03	2	2.42	.01	.03	2
S L14N 250W	1	91	23	82	.1	17	16	497	8.41	14	5	ND	1	4	1	2	2	101	.05	.122	2	60	.94	44	.05	2	4.54	.01	.02	1
S L14N 225W	1	69	18	80	.2	15	16	666	5.89	13	5	ND	1	6	1	2	4	86	.08	.075	3	42	1.02	48	.05	7	3.14	.01	.03	1
S L14N 200W	1	78	19	83	.1	15	15	600	5.49	11	5	ND	1	6	1	2	2	87	.09	.074	3	45	.89	41	.07	8	3.24	.01	.03	3
S L14N 175W	1	74	24	99	.2	16	17	446	6.67	14	7	ND	1	6	1	4	4	88	.09	.108	3	58	.81	52	.05	5	3.67	.01	.03	2
S L14N 150W	1	61	16	88	.2	14	15	518	5.45	8	6	ND	1	6	1	2	2	79	.10	.064	3	49	.67	60	.04	3	2.98	.01	.02	1
S L14N 125W	1	66	19	90	.2	16	19	1050	5.37	11	5	ND	1	7	1	2	2	84	.16	.102	2	61	.94	53	.11	4	2.75	.01	.02	1
S L14N 100W	1	68	17	125	.2	24	21	680	6.20	15	5	ND	1	13	1	3	3	91	.40	.082	3	57	1.12	66	.06	2	3.18	.01	.02	2
S L14N 075W	1	92	17	111	.8	28	24	643	5.39	20	5	ND	1	10	1	2	2	73	.28	.074	6	62	1.32	55	.06	7	3.98	.01	.03	1
S L14N 050W	1	105	11	146	.3	29	22	847	4.80	16	6	ND	1	11	1	2	2	73	.36	.051	6	53	1.52	59	.08	8	2.82	.01	.04	1
S L14N 025W	1	130	14	110	.4	28	23	1250	5.20	24	5	ND	1	16	1	2	5	85	.54	.062	7	68	1.57	81	.11	13	2.76	.01	.05	1
S L14N 000	1	63	10	89	.1	16	18	1184	5.20	19	5	ND	1	11	1	2	2	87	.33	.047	5	60	.72	74	.05	5	2.87	.01	.02	1
S L14N 025E	1	57	17	113	.2	14	17	1567	5.18	16	7	ND	1	20	1	2	2	71	.73	.079	4	44	.67	76	.03	8	2.61	.01	.03	1
S L14N 050E	1	53	17	119	.2	14	17	1501	4.95	13	5	ND	1	23	1	3	2	67	.89	.081	4	44	.66	75	.03	6	2.53	.01	.03	1
S L14N 075E	1	114	23	99	.2	32	24	1363	5.55	19	5	ND	1	8	1	3	3	64	.17	.052	6	49	1.47	79	.03	7	2.75	.01	.04	1
S L14N 100E	2	103	14	118	.4	27	28	708	6.97	19	5	ND	1	7	1	4	6	79	.14	.106	6	57	1.12	63	.02	7	4.06	.01	.04	3
S L14N 125E	1	98	11	117	.1	24	25	1060	6.34	12	5	ND	1	7	1	2	3	75	.14	.104	4	51	1.12	61	.02	4	3.57	.01	.04	1
S L14N 150E	1	54	14	69	.1	12	13	352	5.26	11	6	ND	1	4	1	2	2	75	.04	.051	5	35	.59	35	.02	6	2.20	.01	.03	1
S L14N 175E	1	56	10	69	.1	15	14	358	5.51	9	5	ND	1	3	1	2	3	72	.04	.051	4	37	.61	37	.01	2	2.26	.01	.02	1
S L14N 200E	1	41	14	54	.1	7	10	380	6.40	15	5	ND	1	5	1	2	2	106	.11	.052	4	34	.23	46	.02	2	1.72	.01	.02	2
S L14N 225E	1	91	11	117	.3	23	22	1462	6.45	16	5	ND	1	16	1	2	3	89	.40	.080	7	62	.81	111	.03	4	2.65	.01	.04	1
S L14N 250E	1	38	8	44	.1	8	9	259	5.18	3	5	ND	1	9	1	2	2	120	.27	.057	3	55	.46	30	.19	2	2.27	.01	.01	1
S L14N 275E	1	78	13	58	.1	20	13	302	4.95	5	5	ND	1	10	1	2	4	110	.34	.064	3	70	.84	27	.20	10	3.33	.01	.02	1
S L14N 300E	1	67	15	70	.2	19	13	306	4.98	5	5	ND	1	11	1	2	2	108	.32	.088	3	67	.85	30	.21	12	3.46	.01	.02	1
S L14N 325E	1	30	12	36	.1	7	7	195	4.32	4	5	ND	1	8	1	2	2	120	.22	.073	3	40	.33	19	.24	7	1.81	.01	.02	1
S L14N 350E	1	35	13	43	.3	10	8	177	4.37	3	5	ND	1	10	1	2	2	108	.24	.076	3	33	.49	35	.21	10	2.08	.01	.02	1
S L14N 375E	1	79	17	57	.1	22	15	314	5.19	5	5	ND	1	8	1	2	2	111	.37	.046	3	68	1.24	26	.19	14	3.67	.01	.02	1
S L14N 400E	1	42	5	51	.6	6	3	45	1.08	2	5	ND	1	41	1	2	2	27	1.61	.170	14	21	.14	171	.01	18	.99	.01	.03	2
S L14N 425E	1	43	12	74	.5	8	3	50	1.19	2	5	ND	1	41	1	2	2	28	1.58	.173	14	27	.16	184	.01	14	1.13	.01	.03	1
S L14N 450E	1	22	18	31	.3	8	5	238	1.49	3	5	ND	1	19	1	2	2	56	.67	.078	5	29	.43	97	.05	9	1.51	.01	.03	1
S L14N 475E	1	47	11	44	.2	14	11	307	5.30	2	5	ND	1	8	1	2	2	139	.34	.087	2	54	.65	26	.33	9	2.65	.01	.03	1
S L14N 500E	1	71	6	67	.1	26	16	599	5.85	7	5	ND	1	9	1	3	2	135	.40	.111	3	74	1.07	33	.31	8	3.40	.01	.03	1
S L14N 525E	1	30	8	40	.2	5	9	211	7.71	8	8	ND	1	6	1	3	2	189	.28	.169	2	60	.42	19	.33	4	2.55	.01	.03	1
S L14N 550E	1	49	7	66	.3	14	10	253	5.78	8	5	ND	1	7	1	4	2	109	.21	.142	3	62	.79	29	.19	9	3.36	.01	.03	1
S L14N 575E	1	51	13	55	.1	17	12	240	5.97	6	5	ND	1	6	1	3	4	150	.17	.132	3	115	.89	26	.29	11	3.45	.01	.02	1
S L14N 600E	1	30	13	28	.1	3	7	84	6.46	6	5	ND	1	6	1	3	2	222	.19	.052	2	52	.09	18	.47	8	.96	.01	.03	1
S L15N 600W	1	53	5	52	.2	8	12	296	5.55	11	5	ND	1	6	1	2	2	91	.05	.041	5	26	.44	46	.02	2	2.38	.01	.02	2
STD C	20	55	38	127	6.8	64	30	936	3.78	38	20	7	30	44	15	18	23	51	.45	.081	35	51	.82	161	.08	32	1.77	.06	.13	11



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	WA	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S L15N 575W	1	24	11	46	.2	6	7	193	4.31	5	7	ND	1	12	1	4	3	157	.10	.039	5	24	.30	50	.07	2	1.33	.01	.03	1
S L15N 550W	1	73	8	67	.1	16	12	339	5.55	4	5	ND	1	7	1	2	2	121	.05	.043	5	38	.72	36	.04	2	2.54	.01	.03	1
S L15N 525W	1	42	13	59	.1	7	10	705	5.54	4	5	ND	1	23	1	2	2	142	.13	.050	5	28	.67	56	.07	2	2.26	.01	.03	1
S L15N 500W	1	203	22	130	.1	21	16	668	6.30	8	5	ND	1	10	1	2	2	132	.09	.066	5	51	1.24	83	.04	2	4.02	.01	.06	1
S L15N 475W	1	134	21	132	.3	18	18	1019	6.49	6	5	ND	1	11	1	2	2	117	.12	.087	5	47	1.10	98	.04	2	3.92	.01	.07	1
S L15N 450W	1	111	24	161	1.0	19	16	1421	5.67	7	5	ND	1	12	1	2	2	109	.13	.090	5	41	1.13	65	.05	9	3.78	.01	.05	1
S L15N 425W	1	124	18	98	.2	17	15	535	6.60	7	5	ND	1	11	1	2	2	114	.10	.092	5	40	.93	64	.05	5	4.93	.01	.06	1
S L15N 400W	1	116	19	95	.1	19	15	639	6.27	10	5	ND	1	12	1	2	2	115	.11	.081	5	36	1.09	68	.05	8	4.13	.01	.05	1
S L15N 375W	1	104	8	96	.2	11	13	648	6.29	8	5	ND	1	10	1	3	2	120	.10	.087	4	25	.82	60	.04	2	3.91	.01	.04	1
S L15N 350W	1	94	10	69	.2	12	14	765	6.13	5	5	ND	1	15	1	3	2	130	.12	.094	4	30	.80	54	.09	12	3.36	.01	.04	2
S L15N 325W	1	133	17	102	.1	21	15	604	7.23	13	5	ND	2	11	1	2	2	126	.11	.123	5	48	1.03	75	.05	6	4.55	.01	.08	1
S L15N 300W	1	70	17	73	.2	15	12	760	4.94	6	5	ND	1	11	1	2	2	86	.13	.083	5	33	.80	65	.06	13	2.86	.01	.05	1
S L15N 275W	1	103	12	69	.4	10	11	1245	6.14	8	5	ND	1	6	1	2	2	74	.10	.127	7	28	.40	76	.01	7	2.54	.01	.06	1
S L15N 250W	1	144	28	100	.3	22	16	746	8.03	19	5	ND	1	6	1	3	3	92	.09	.103	5	46	.86	80	.02	4	3.31	.01	.05	1
S L15N 225W	1	56	10	63	.1	16	12	390	5.41	7	5	ND	1	14	1	2	2	114	.20	.073	4	54	.95	41	.09	7	2.80	.01	.03	1
S L15N 200W	1	86	14	94	.2	26	15	432	5.71	13	5	ND	1	14	1	2	2	112	.24	.103	4	70	1.04	55	.13	12	3.49	.01	.03	1
S L15N 175W	1	53	13	60	.1	12	11	237	6.23	13	5	ND	1	10	1	4	2	155	.13	.032	6	52	.56	56	.09	9	2.92	.01	.03	1
S L15N 150W	1	110	13	106	.1	34	21	443	6.09	13	5	ND	1	10	1	3	3	104	.16	.030	4	68	1.42	61	.14	15	4.30	.01	.03	1
S L15N 125W	1	150	10	110	.6	32	21	1187	5.40	26	5	ND	1	19	2	2	2	94	.54	.060	12	75	1.54	102	.10	17	3.29	.01	.06	1
S L15N 100W	2	64	19	140	.1	20	19	820	6.33	26	5	ND	1	15	1	3	2	107	.36	.048	5	68	1.10	116	.02	8	3.37	.01	.05	1
S L15N 075W	1	52	12	96	.5	9	11	679	3.92	28	5	ND	1	45	1	2	2	59	1.99	.087	3	55	.58	86	.02	17	2.67	.01	.04	1
S L15N 050W	1	18	6	47	.1	8	6	197	3.75	8	5	ND	1	12	1	2	2	86	.37	.042	3	23	.25	35	.03	5	1.20	.01	.04	1
S L15N 025W	1	48	8	77	.4	12	8	1651	2.43	9	5	ND	1	47	1	2	2	51	2.23	.063	5	34	.39	94	.05	14	1.43	.01	.02	1
S L15N 000	1	87	17	118	.3	21	18	1853	5.14	13	7	ND	1	22	2	2	2	94	.64	.058	8	62	1.07	111	.08	14	3.02	.01	.05	1
S L15N 025E	1	50	10	97	.1	14	13	426	5.59	8	5	ND	1	17	1	3	2	94	.42	.056	5	41	.72	79	.03	8	2.76	.01	.03	1
S L15N 050E	1	87	12	106	.3	19	15	534	7.26	12	5	ND	1	13	1	5	2	115	.31	.146	6	47	.85	74	.04	8	4.12	.01	.06	1
S L15N 075E	1	43	10	70	.1	9	10	330	4.19	8	5	ND	1	15	1	4	2	86	.34	.055	7	25	.38	56	.03	3	1.66	.01	.05	1
S L15N 100E	1	74	15	123	.1	21	16	2174	5.10	12	5	ND	1	15	2	2	2	73	.39	.066	8	46	.95	99	.02	6	2.80	.01	.05	1
S L15N 125E	1	33	8	52	.2	11	6	184	2.42	8	5	ND	1	36	1	2	3	70	.46	.042	2	23	.47	54	.05	13	.96	.01	.04	1
S L15N 150E	2	102	22	116	.2	36	17	672	8.44	25	5	ND	1	8	1	3	2	119	.11	.076	6	80	.70	82	.02	8	3.41	.01	.04	1
S L15N 175E	1	59	91	85	.4	20	13	708	4.00	12	5	ND	1	15	1	2	3	69	.34	.075	4	45	.70	69	.03	2	1.56	.01	.06	1
S L15N 200E	1	73	21	71	.1	18	10	371	5.64	6	5	ND	1	11	1	3	2	140	.29	.060	4	56	.57	46	.19	12	3.21	.01	.03	1
S L15N 225E	1	19	15	28	.1	5	6	138	5.56	2	5	ND	1	8	1	3	2	229	.13	.042	3	34	.12	25	.52	7	.90	.01	.02	1
S L15N 250E	1	42	16	46	.4	8	7	421	5.63	4	5	ND	1	9	1	5	2	142	.18	.112	3	44	.21	32	.26	7	2.02	.01	.03	1
S L15N 275E	1	59	20	66	.1	22	13	435	4.53	2	5	ND	1	14	1	3	2	104	.45	.043	4	56	.94	38	.25	15	3.04	.01	.02	1
S L15N 300E	1	90	14	61	.1	25	15	833	4.91	7	5	ND	1	13	1	2	2	112	.55	.101	6	51	1.19	33	.20	8	3.41	.01	.03	1
S L15N 325E	1	53	11	73	.2	18	11	587	5.22	2	5	ND	1	14	1	3	2	132	.45	.082	4	49	.70	56	.33	9	2.63	.01	.03	1
S L15N 350E	1	44	12	52	.1	15	19	1076	4.01	2	5	ND	1	13	1	2	3	102	.46	.079	6	43	.60	45	.26	10	2.63	.01	.03	1
S L15N 375E	1	28	14	34	.1	8	6	179	5.21	2	5	ND	1	10	1	4	2	191	.48	.100	3	47	.37	21	.38	11	1.77	.01	.01	1
S L15N 400E	1	43	14	47	.2	15	8	212	6.71	2	5	ND	1	10	1	4	2	179	.37	.070	2	64	.57	33	.45	10	2.26	.01	.02	1
STD C	18	57	39	131	6.9	64	26	917	3.82	36	17	7	32	43	15	15	20	51	.46	.086	34	52	.83	172	.08	34	1.79	.06	.13	13

SAMPLE#	MO PPM	CU 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 %	M PPM
S L15N 425E	1	54	6	46	.1	20	10	338	5.12	4	5	ND	1	4	1	8	3	151	.27	.117	2	68	.86	17	.35	10	3.15	.01	.01	4
S L15N 450E	1	29	7	35	.2	12	6	306	3.59	2	5	ND	1	4	1	4	2	112	.20	.079	2	38	.46	21	.23	7	1.59	.01	.01	2
S L15N 475E	1	5	7	14	.1	2	2	90	2.09	2	5	ND	1	4	1	4	2	105	.22	.034	2	15	.16	12	.21	10	.40	.01	.01	1
S L15N 500E	1	19	4	21	.2	6	5	123	3.60	3	5	ND	1	3	1	4	2	125	.14	.047	2	39	.31	17	.22	8	1.63	.01	.01	2
S L15N 525E	1	49	13	60	.2	16	8	194	6.44	2	5	ND	1	3	1	5	2	180	.17	.092	2	56	.50	27	.39	2	2.88	.01	.01	6
S L15N 550E	1	144	16	92	.2	42	19	481	7.52	2	5	ND	1	5	1	6	3	250	.37	.064	4	82	1.26	34	.64	7	5.13	.01	.01	7
STD C	20	55	40	133	6.8	64	26	927	3.71	34	35	7	30	43	15	16	22	56	.44	.080	34	50	.81	173	.07	36	1.74	.06	.12	12



**Appendix III**

**STATISTICAL ANALYSIS OF LABORATORY RESULTS**

**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**STATISTICAL REPORT**

To: MPH CONSULTING LTD.  
 2406 555 WEST HASTINGS STREET  
 VANCOUVER, B.C.

Project: V 257  
 Date: 87-08-10

Element: Ag Sample Type: Soil

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0.0 - 0.1	376	48.39	48.39	0.10
0.2 - 0.2	200	25.74	74.13	0.20
0.3 - 0.3	98	12.61	86.74	0.30
0.4 - 0.4	46	5.92	92.66	0.40
0.5 - 0.5	27	3.47	96.13	0.50
0.6 - 0.6	13	1.67	97.80	0.60
0.7 - 0.7	7	0.90	98.70	0.70
0.8 - 0.8	2	0.26	98.96	0.80
0.9 - 0.9	0	0.00	98.96	0.00
1.0 - 1.0	2	0.26	99.22	1.00
1.1 - 1.1	1	0.13	99.35	1.10
1.2 - 1.2	2	0.26	99.61	1.20
1.3 - 1.3	2	0.26	99.87	1.30
1.4 - 1.4	0	0.00	99.87	0.00
1.5 - 1.5	0	0.00	99.87	0.00
1.6 - 1.6	0	0.00	99.87	0.00
1.7 - 1.7	0	0.00	99.87	0.00
1.8 - 1.8	0	0.00	99.87	0.00
1.9 - 1.9	0	0.00	99.87	0.00
2.0 - 2.0	0	0.00	99.87	0.00
2.1 - 2.1	0	0.00	99.87	0.00
2.2 - 2.2	0	0.00	99.87	0.00
2.3 - 2.3	0	0.00	99.87	0.00
2.4 - 2.4	1	0.13	100.00	2.40

**For Statistics**

**For All Data**

Number of Samples:	777	777
Arithmetic Mean :	.21	N.A.
Standard Deviation :	.18	N.A.
Minimum Value :	.1	.1
Maximum Value :	2.4	2.4
Range :	.1 -- 999 PPM	.1 -- 2.4 PPM

**File(s) used for Statistics:**

MPH87331.STT MPH87304.STT MPH87320.STT

**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

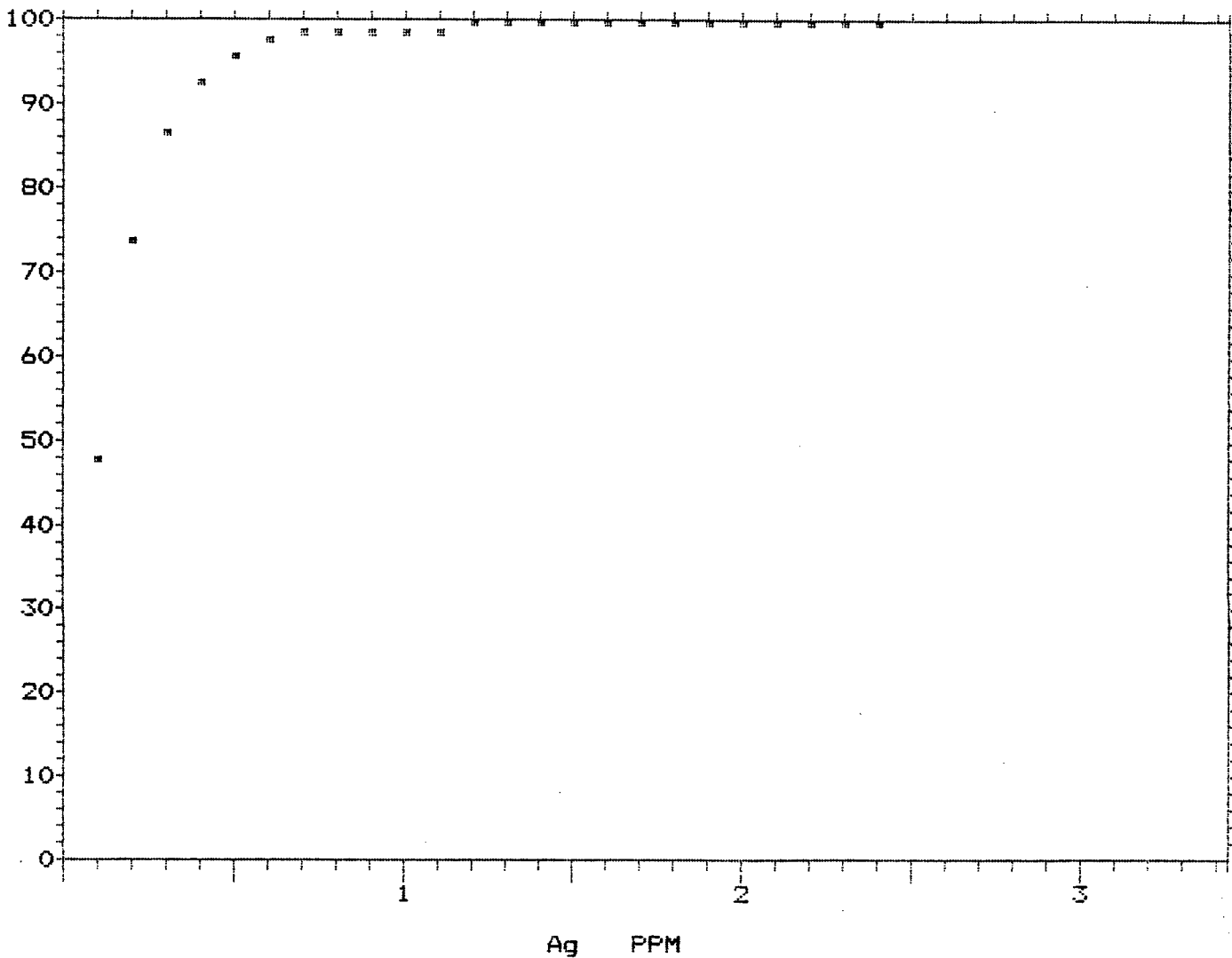
**STATISTICAL REPORT**

To: MFH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

Project: V 257  
Date: 87-08-10

Element: Ag Sample Type: Soil

Cumulative Frequency Histogram



**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

**STATISTICAL REPORT**

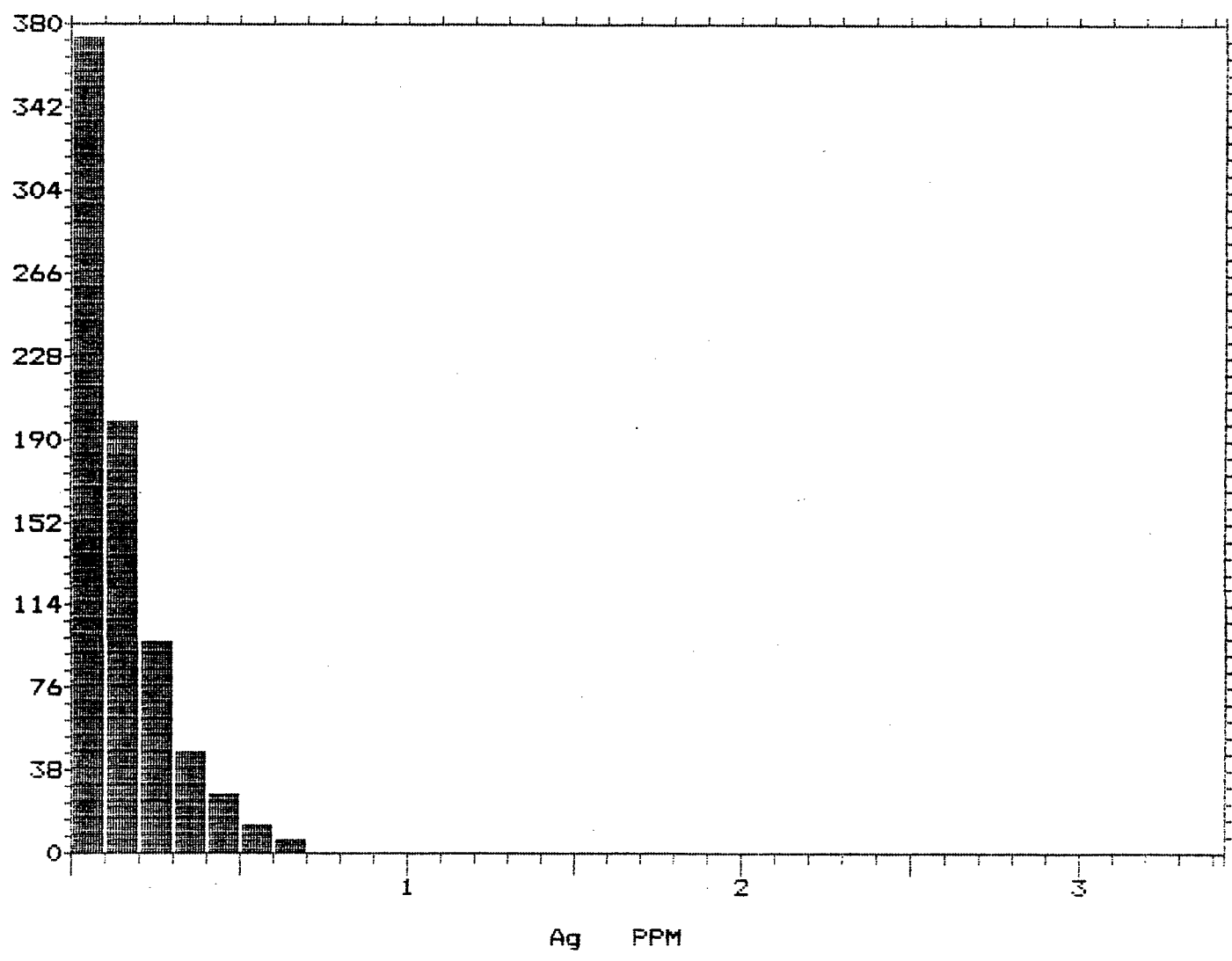
To: MPH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

Project: V 257  
Date: 87-08-10

Element: Ag

Sample Type: Soil

Frequency Histogram



**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**STATISTICAL REPORT**

To: MPH CONSULTING LTD.  
 2406 555 WEST HASTINGS STREET  
 VANCOUVER, B.C.

Project: V 257  
 Date: 87-08-08

Element: Cu Sample Type: Soil

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 15	11	1.42	1.42	12.55
16 - 30	77	9.91	11.33	24.03
31 - 45	96	12.36	23.69	38.67
46 - 60	129	16.60	40.29	53.71
61 - 75	132	16.99	57.28	67.67
76 - 90	84	10.81	68.09	83.18
91 - 105	94	12.10	80.19	97.48
106 - 120	64	8.24	88.43	113.06
121 - 135	24	3.09	91.52	127.58
136 - 150	25	3.22	94.74	143.72
151 - 165	9	1.16	95.90	157.67
166 - 180	16	2.06	97.96	173.63
181 - 195	2	0.26	98.22	195.00
196 - 210	5	0.64	98.86	201.40
211 - 225	2	0.26	99.12	216.00
226 - 240	2	0.26	99.38	227.50
241 - 255	1	0.13	99.51	248.00
256 - 270	0	0.00	99.51	0.00
271 - 285	0	0.00	99.51	0.00
286 - 300	0	0.00	99.51	0.00
301 - 315	2	0.26	99.77	303.00
316 - 330	0	0.00	99.77	0.00
331 - 345	0	0.00	99.77	0.00
346 - 360	1	0.13	100.00	356.00

**For Statistics**

**For All Data**

Number of Samples:	777	777
Arithmetic Mean :	76.79	N.A.
Standard Deviation :	43.78	N.A.
Minimum Value :	5	5
Maximum Value :	368	368
Range :	1 -- 99999 PPM	5 -- 368 PPM

**File(s) used for Statistics:**

MPH87331.STT MPH87304.STT MPH87320.STT

RECEIVED AUG 11 1987

# ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

## STATISTICAL REPORT

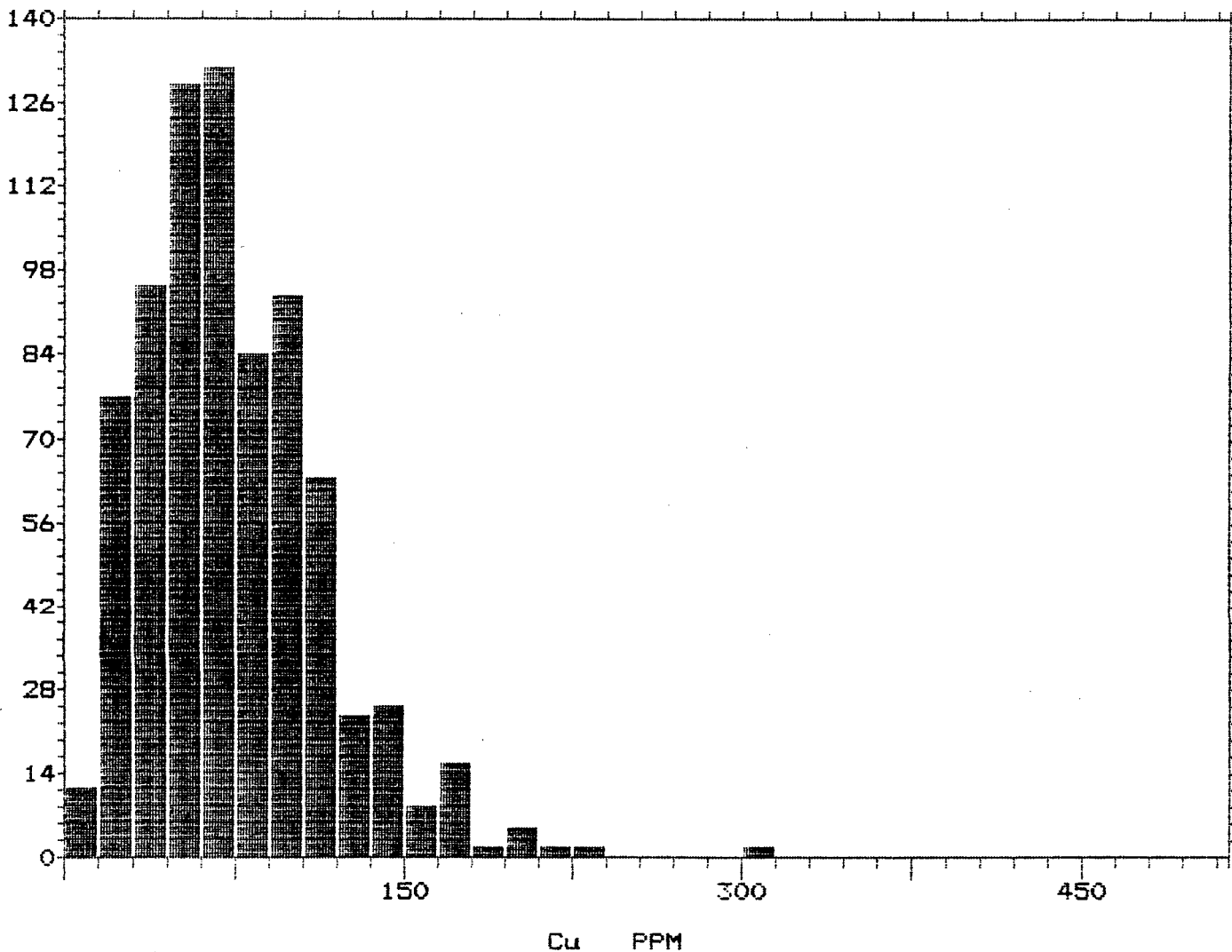
To: MPH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

Project: V 257  
Date: 87-08-08

Element: Cu Sample Type: Soil

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Frequency Histogram





**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

**STATISTICAL REPORT**

To: MPH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

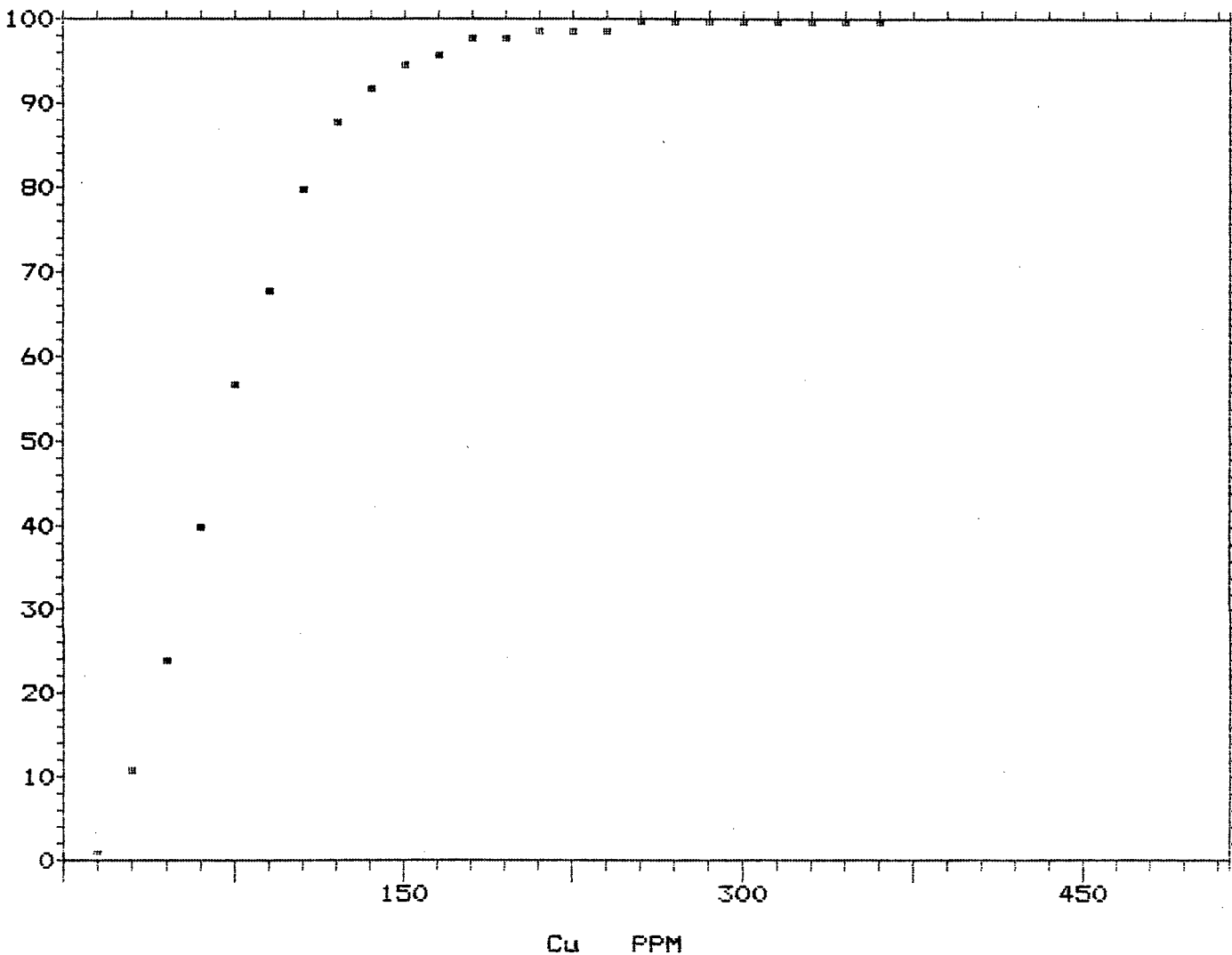
Project: V 257  
Date: 87-08-08

Element: Cu Sample Type: Soil

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Cumulative Frequency Histogram



**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
 BURNABY, B.C. V5B 3N1  
 TEL : (604) 299 - 6910

**STATISTICAL REPORT**

To: MPH CONSULTING LTD.  
 2406 555 WEST HASTINGS STREET  
 VANCOUVER, B.C.

Project: V 257  
 Date: 87-08-10

Element: Zn Sample Type: Soil

CLASS INTERVAL	CLASS FREQUENCY	RELATIVE FREQUENCY%	CUMULATIVE FREQUENCY%	CLASS MEAN
0 - 26	8	1.03	1.03	22.63
27 - 52	141	18.17	19.20	42.71
53 - 78	219	28.22	47.42	66.59
79 - 104	214	27.58	75.00	89.60
105 - 130	105	13.53	88.53	115.34
131 - 156	45	5.80	94.33	141.38
157 - 182	17	2.19	96.52	169.76
183 - 208	7	0.90	97.42	196.43
209 - 234	4	0.52	97.94	218.00
235 - 260	2	0.26	98.20	252.00
261 - 286	1	0.13	98.33	272.00
287 - 312	4	0.52	98.85	304.00
313 - 338	0	0.00	98.85	0.00
339 - 364	3	0.39	99.24	347.67
365 - 390	2	0.26	99.50	366.50
391 - 416	0	0.00	99.50	0.00
417 - 442	0	0.00	99.50	0.00
443 - 468	1	0.13	99.63	460.00
469 - 494	0	0.00	99.63	0.00
495 - 520	1	0.13	99.76	508.00
521 - 546	0	0.00	99.76	0.00
547 - 572	1	0.13	99.89	559.00
573 - 598	0	0.00	99.89	0.00
599 - 624	1	0.13	100.00	620.00

**For Statistics**

**For All Data**

Number of Samples:	776	777
Arithmetic Mean :	89.54	N.A.
Standard Deviation :	55.47	N.A.
Minimum Value :	14	.6
Maximum Value :	620	620
Range :	1 -- 99999 PPM	.6 -- 620 PPM

**File(s) used for Statistics:**

MPH87331.STT MPH87304.STT MPH87320.STT

**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

**STATISTICAL REPORT**

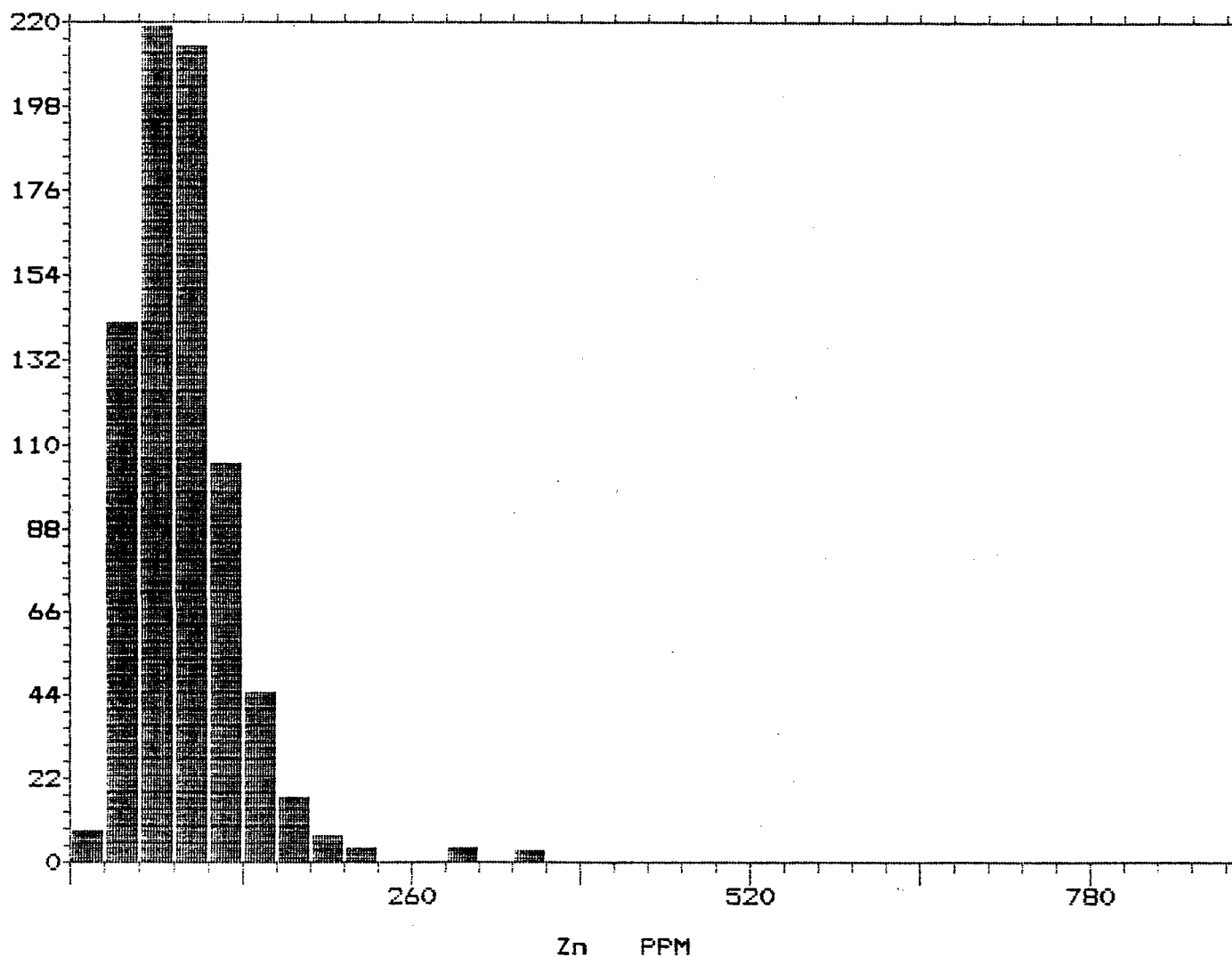
To: MPH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

Project: V 257  
Date: 87-08-10

Element: Zn

Sample Type: Soil

Frequency Histogram



**ROSSBACHER LABORATORY LTD.**

2225 S. SPRINGER AVENUE  
BURNABY, B.C. V5B 3N1  
TEL : (604) 299 - 6910

**STATISTICAL REPORT**

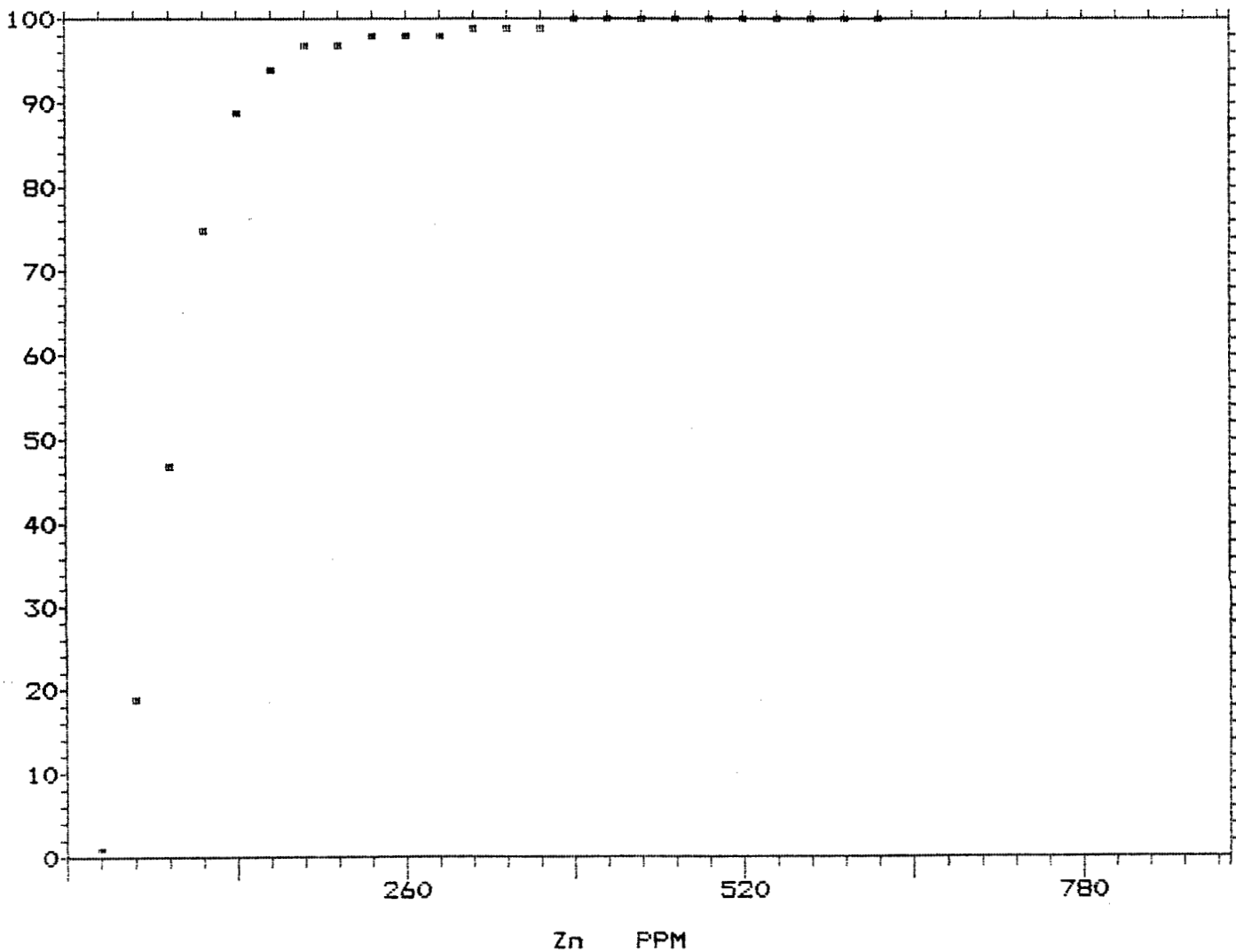
To: MPH CONSULTING LTD.  
2406 555 WEST HASTINGS STREET  
VANCOUVER, B.C.

Project: V 257  
Date: 87-08-10

Element: Zn

Sample Type: Soil

Cumulative Frequency Histogram





**Appendix IV**

**CONVERSION FACTORS FOR METRIC UNITS**



## Appendix IV

### CONVERSION FACTORS FOR METRIC UNITS

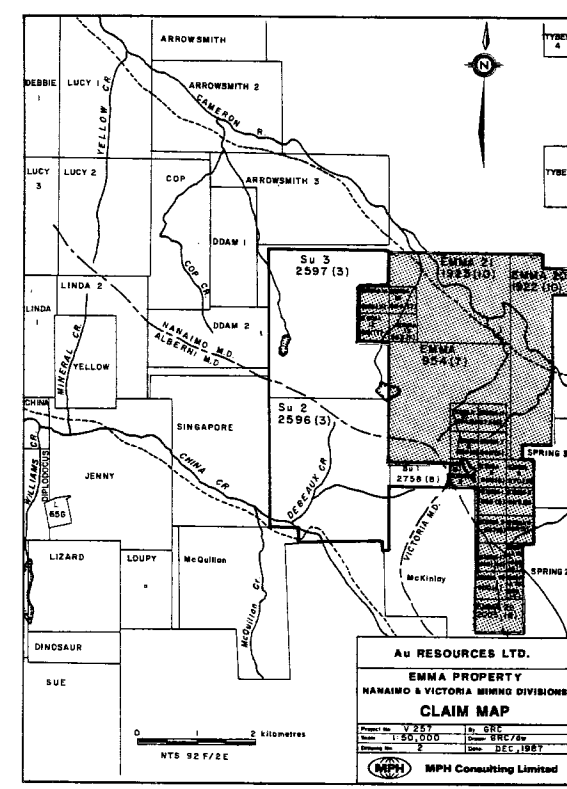
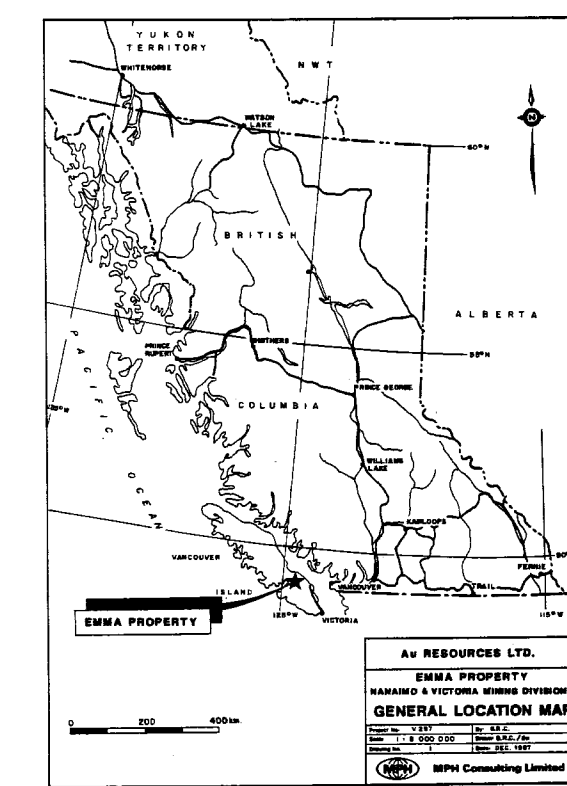
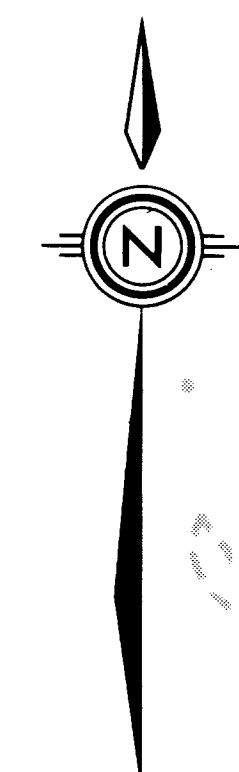
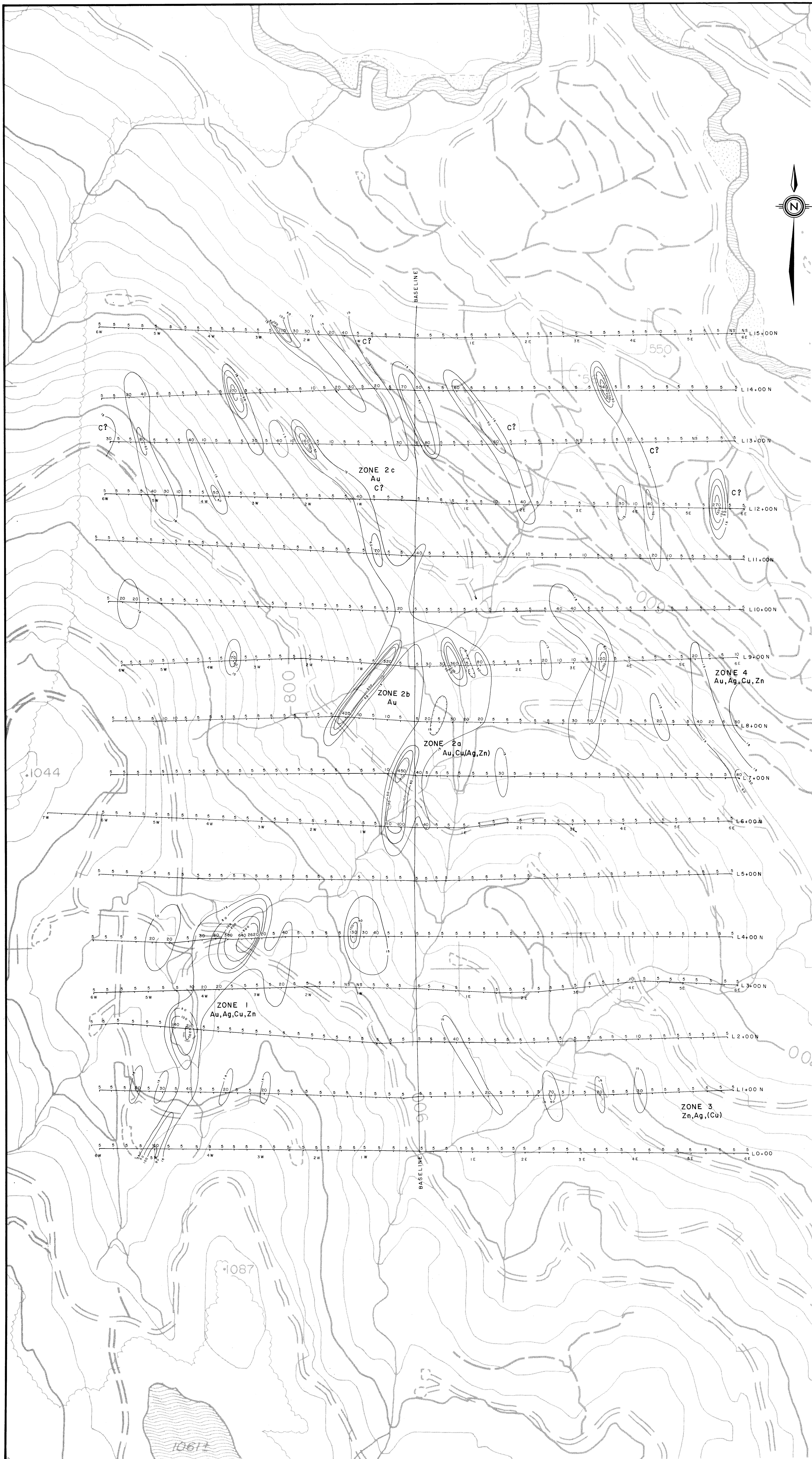
1 inch	= 25.4 millimetres	(mm)
	or 2.54 centimetres	(cm)
1 cm	= 0.394 inch	
1 foot	= 0.3048 metre	(m)
1 m	= 3.281 feet	
1 mile	= 1.609 kilometres	(km)
1 km	= 0.621 mile	
1 acre	= 0.4047 hectares	(ha)
1 ha	= 2.471 acres	
1 ha	= 100 m x 100 m - 10,000 m <sup>2</sup>	
1 km <sup>2</sup>	= 100 ha	
1 troy ounce	= 31.103 grams	(g)
1 g	= 0.032 troy oz	
1 pound	= 0.454 kilogram	(kg)
1 kg	= 2.20 lb	
1 ton (2000 lb)	= 0.907 tonne	(t)
1 tonne	= 1.102 ton = 2205 lb	
1 troy ounce/ton (oz/ton)	= 34.286 grams/tonne	(g/t)
1 g/t	= 0.0292 oz/ton	
1 g/t	= 1 part per million	(ppm)
1 ppm	= 1000 parts per billion	(ppb)
10,000 g/t	= 1%	



**Appendix V**

**SOIL GEOCHEMISTRY FIGURES 4 TO 7**





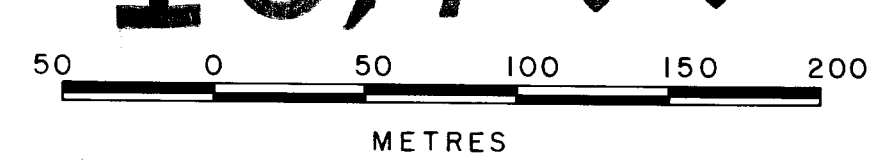
**LEGEND**

GEOCHEMICAL CONTOUR INTERVAL	UNITS IN P.P.B. Au
THRESHOLD	15
WEAKLY ANOMALOUS	50
MODERATELY ANOMALOUS	100
STRONGLY ANOMALOUS	200 & (extremely anomalous = 500)

- ROADS
- SKIDDER TRAILS
- CLEARING
- GEOCHEMICAL GRID WITH 25 m. SAMPLE STATIONS & CORRESPONDING ANALYSIS
- TOPOGRAPHIC CONTOUR INTERVAL = 20m
- C? POSSIBLE CULTURAL SOURCE

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**16,799**



**Au Resources Ltd.**

**Au SOIL GEOCHEMISTRY (PPB)**

**"B" HORIZON**

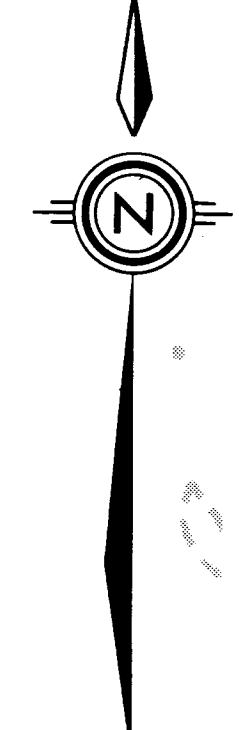
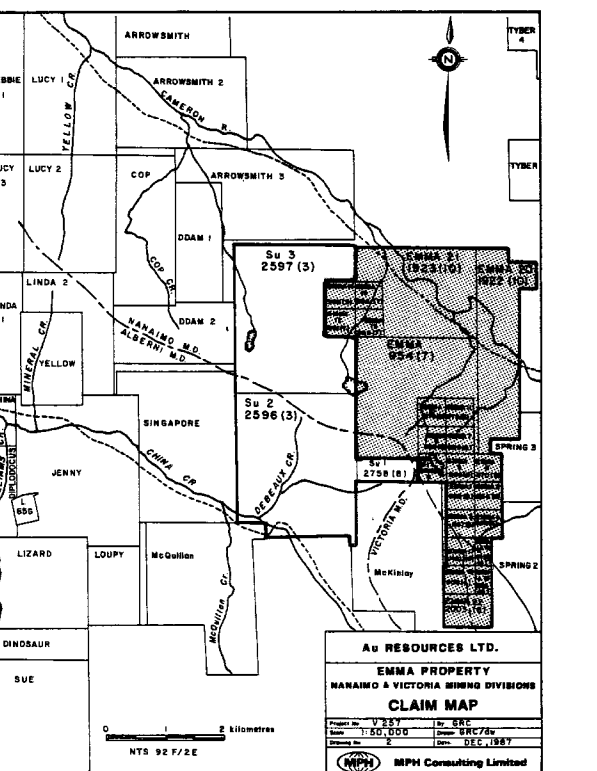
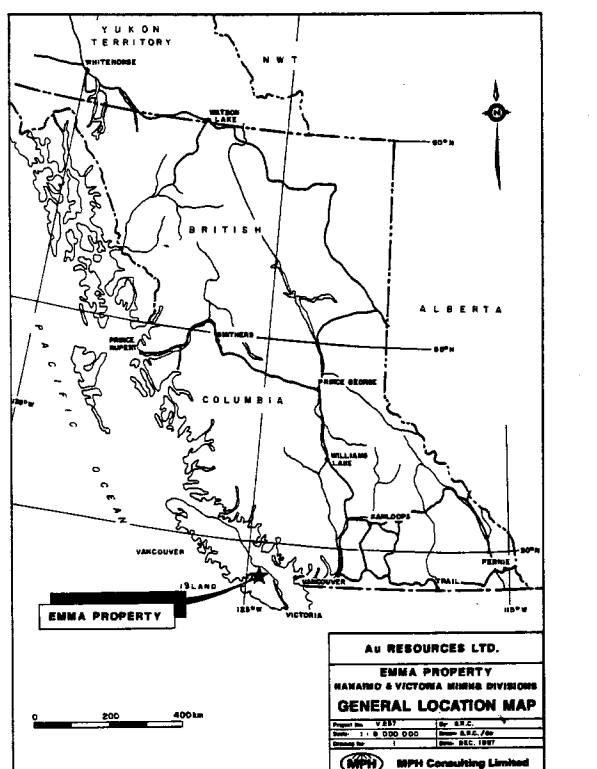
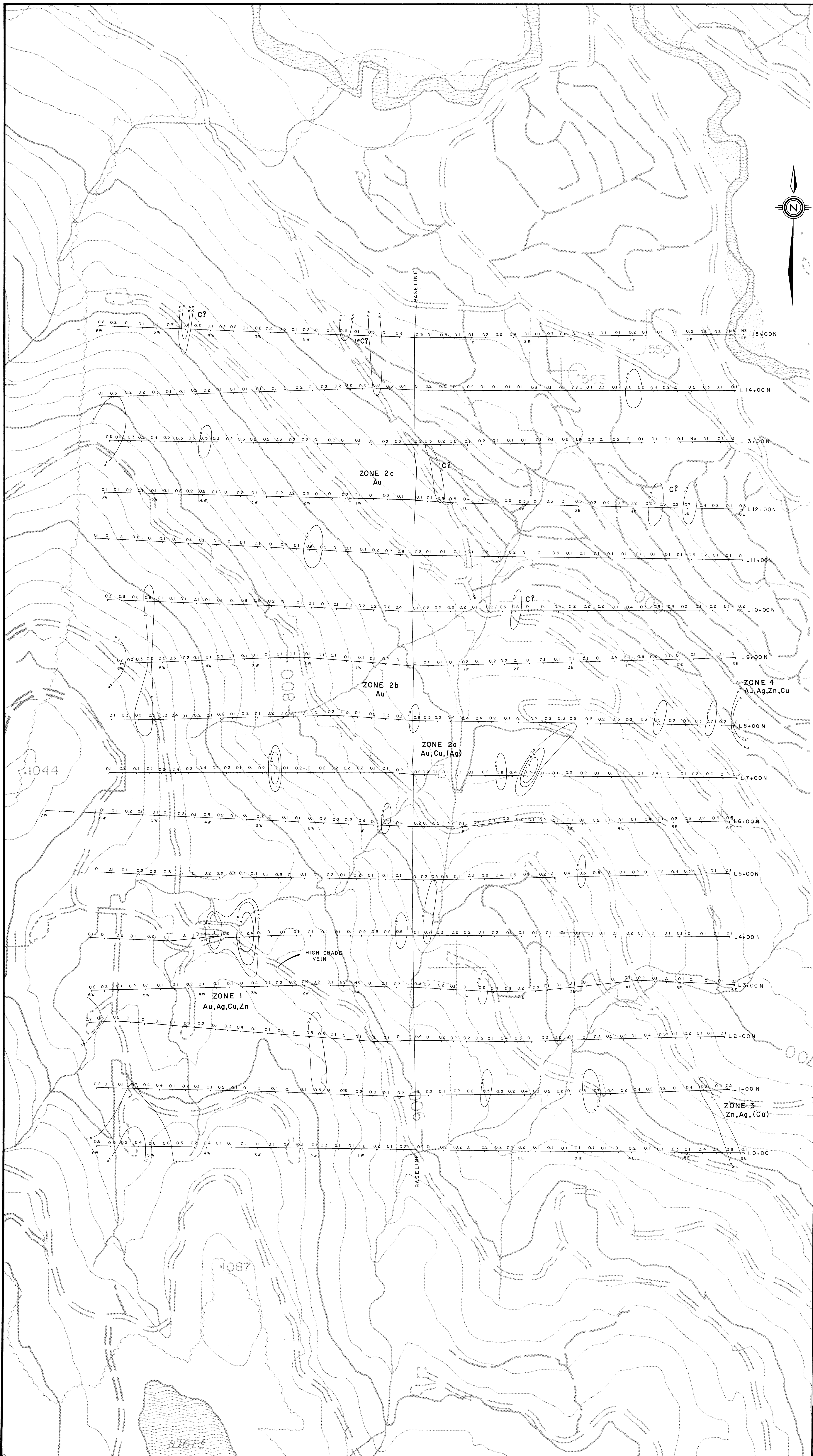
**EMMA PROPERTY**

**NANAIMO MINING DIVISION**

Project No: V-257	By: C.J.C., K.L., G.R.C.
Scale: 1:2500	Drawn: G.R.C./dw
Drawing No: 4	Date: AUGUST, 1987

**MPH** MPH Consulting Limited





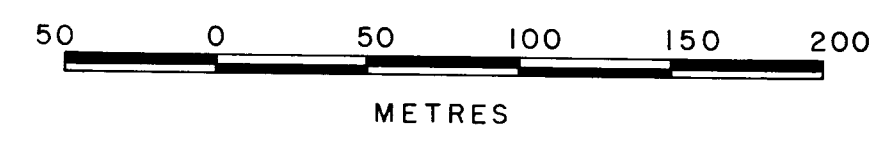
**LEGEND**

GEOCHEMICAL CONTOUR INTERVAL	UNITS IN P.P.M. Ag
THRESHOLD	0.5
WEAKLY ANOMALOUS	0.9
MODERATELY ANOMALOUS	1.3
STRONGLY ANOMALOUS	1.7

- ROADS
- SKIDDER TRAILS
- CLEARING
- GEOCHEMICAL GRID WITH 25 m. SAMPLE STATIONS & CORRESPONDING ANALYSIS
- TOPOGRAPHIC CONTOUR INTERVAL = 20 m.
- C? POSSIBLE CULTURAL SOURCE

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**16,799**



**Au Resources Ltd.**

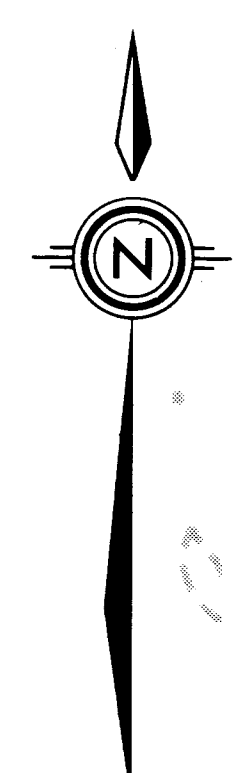
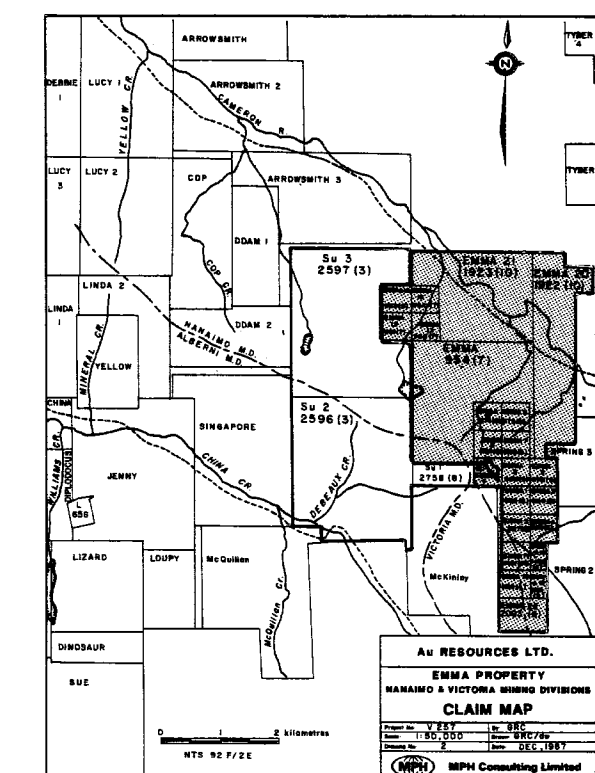
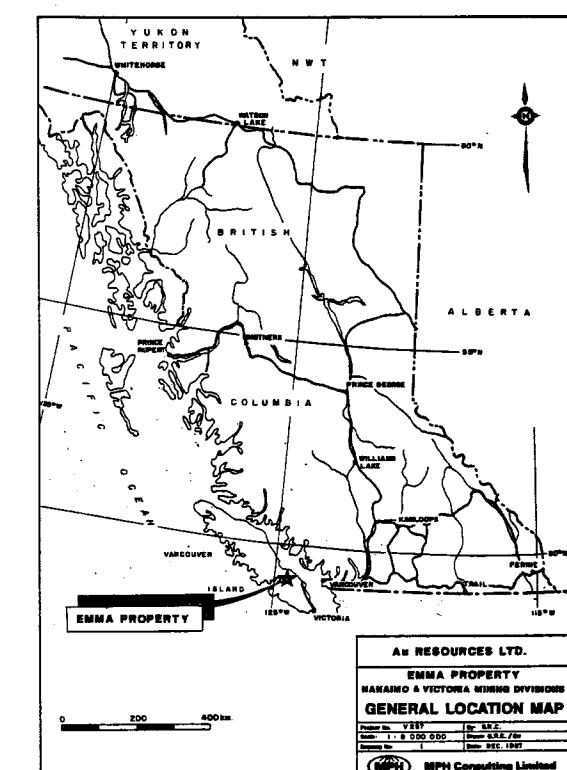
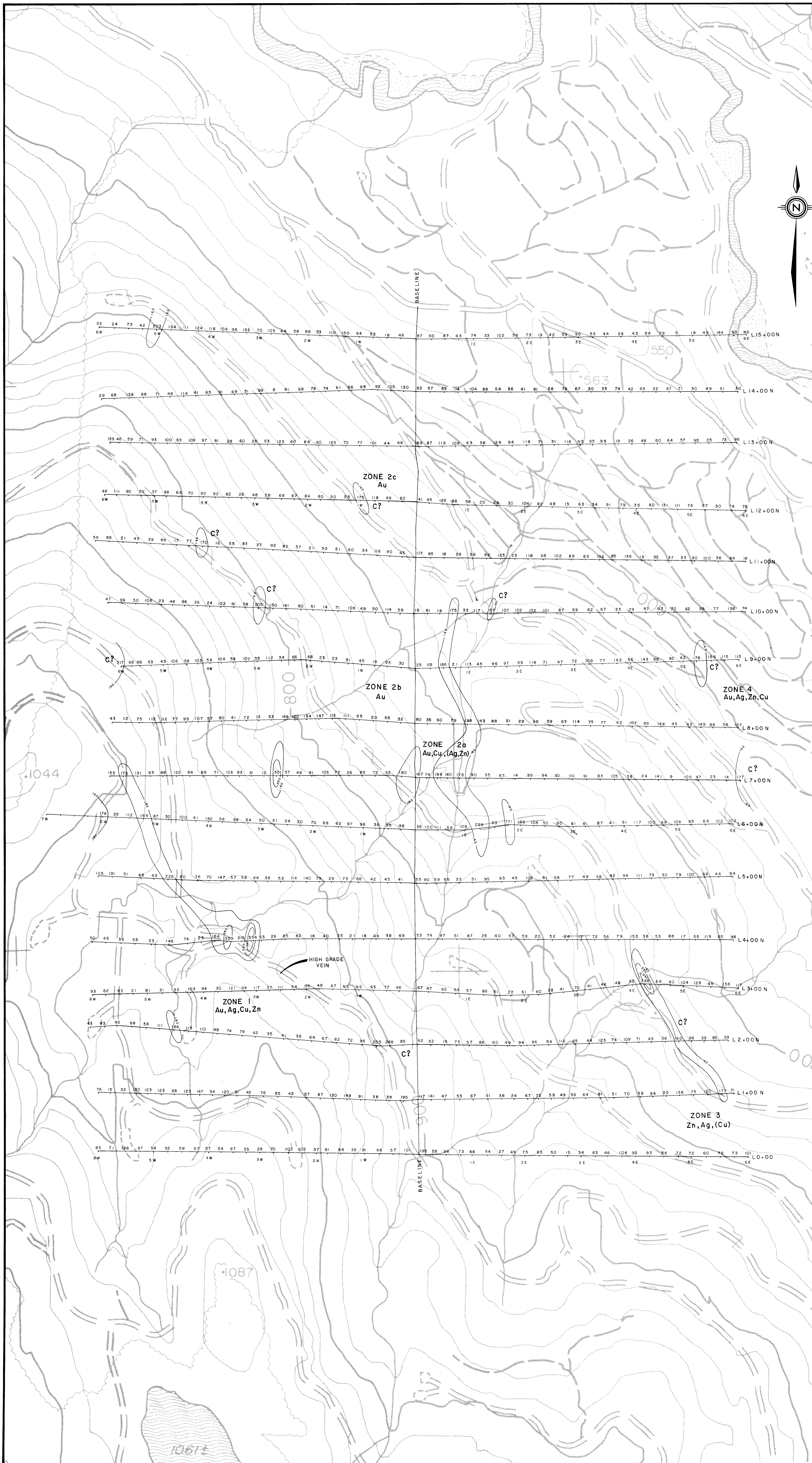
**Ag SOIL GEOCHEMISTRY (PPM) "B" HORIZON**

**EMMA PROPERTY**  
NANAIMO MINING DIVISION

Project No. V-257 By: C.J.C., K.L.G.R.C.  
Scale: 1:2500 Drawn: G.R.C./dw  
Drawing No. 5 Date: AUGUST, 1987







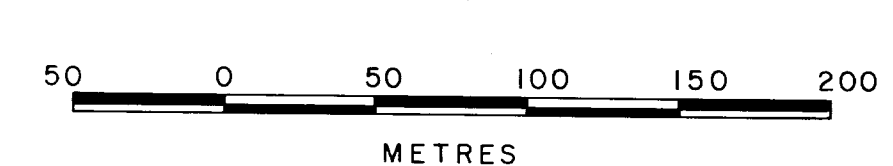
**LEGEND**

GEOCHEMICAL CONTOUR INTERVAL	UNITS IN P.P.M. Cu
THRESHOLD	160
WEAKLY ANOMALOUS	250
MODERATELY ANOMALOUS	340
STRONGLY ANOMALOUS	430

- ROADS
- SKIDDER TRAILS
- CLEARING
- GEOCHEMICAL GRID WITH 25 m. SAMPLE STATIONS & CORRESPONDING ANALYSIS
- TOPOGRAPHIC CONTOUR INTERVAL = 20 m.
- C? POSSIBLE CULTURAL SOURCE

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**16,799**



**Au Resources Ltd.**

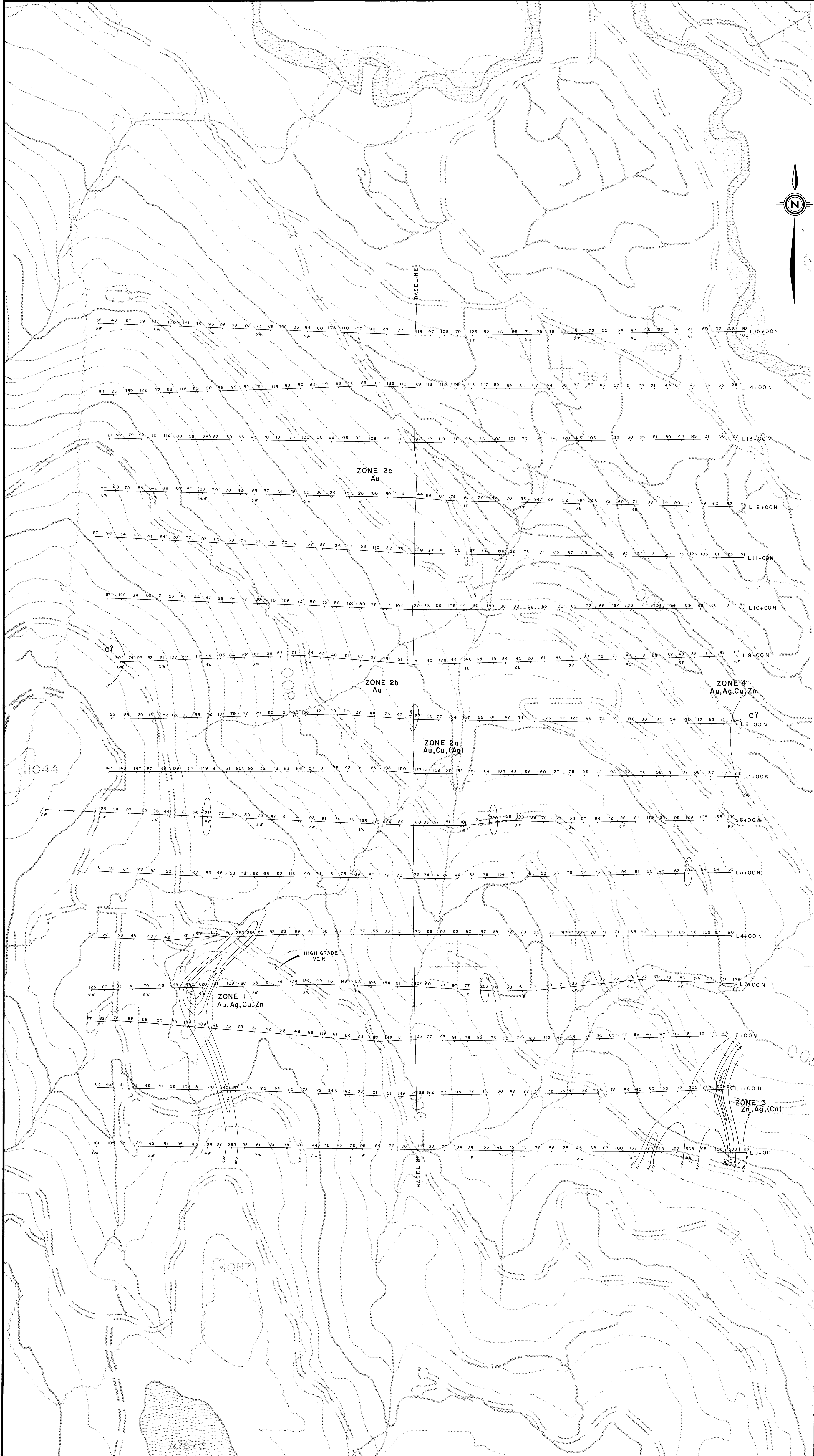
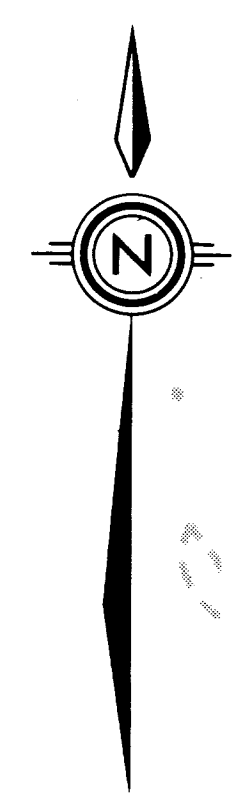
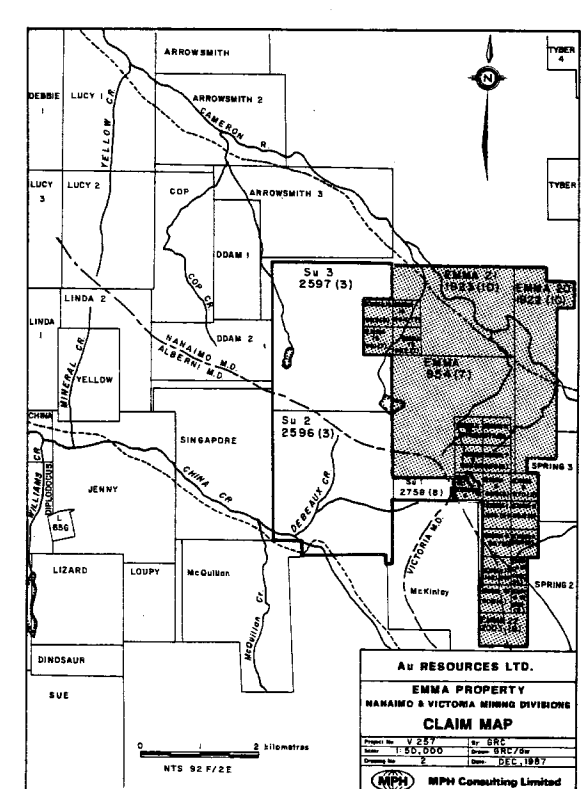
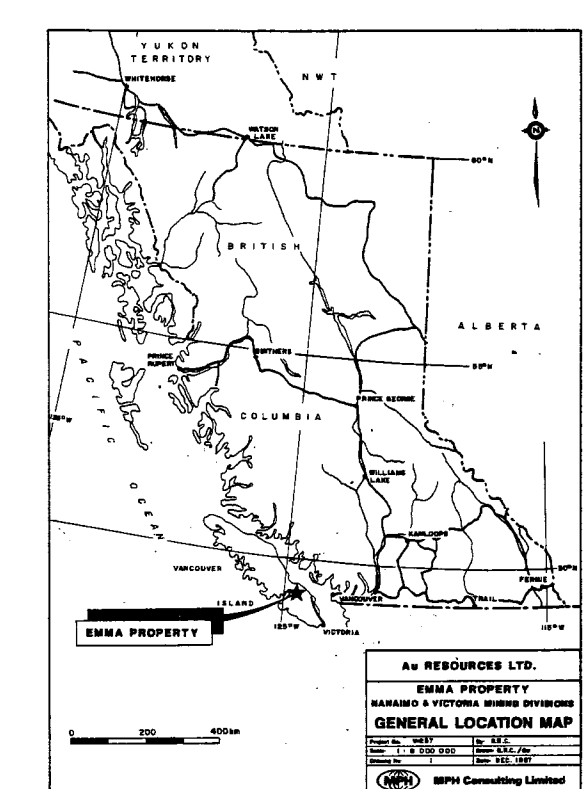
**Cu SOIL GEOCHEMISTRY (PPM) "B" HORIZON**

**EMMA PROPERTY NANAIMO MINING DIVISION**

Project No. V-257 By: C.J.C., K.L. G.R.C.  
 Scale: 1:2500 Drawn: G.R.C./d.w.  
 Drawing No. 6 Date: AUGUST, 1987







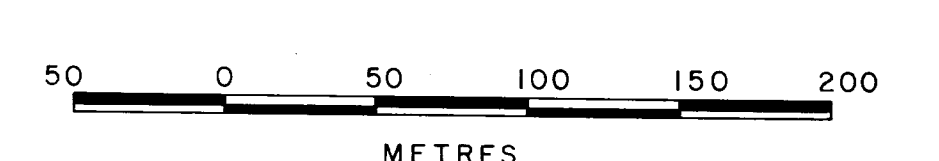
**LEGEND**

GEOCHEMICAL CONTOUR INTERVAL	UNITS IN PPM Zn
THRESHOLD	200
WEAKLY ANOMALOUS	310
MODERATELY ANOMALOUS	420
STRONGLY ANOMALOUS	530

- ROADS
- SKIDDER TRAILS
- CLEARING
- GEOCHEMICAL GRID WITH 25 m. SAMPLE STATIONS & CORRESPONDING ANALYSIS
- TOPOGRAPHIC CONTOUR INTERVAL = 20 m.
- POSSIBLE CULTURAL SOURCE

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,799



**Au Resources Ltd.**

Zn SOIL GEOCHEMISTRY (PPM)  
"B" HORIZON

**EMMA PROPERTY**  
NANAIMO MINING DIVISION

Project No. V-257	By: C.J.C., K.L., G.R.C.
Scale: 1:2500	Drawn: G.R.C./dw
Drawing No. 7	Date: AUGUST, 1987

