NTS 92I / 3
Lat 50°10'N
Long 121°13'W

GEOLOGICAL and GEOCHEMICAL REPORT
on the
MIME CLAIM GROUP
Nicola Mining Division, B.C.

for 20,912

PACIFIC SENTINEL GOLD CORP.
1020 - 800 West Pender Street
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by

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Date: 22 October 1990

SUMMARY

During August and September 1990, Reliance Geological Services Inc carried out a Phase 1 geological-geochemical exploration program on the Mime property which consists of 4 contiguous mineral claims (80 units), located 35 kilometers west of Merritt, B.C.

Mining activity in the area has focused on the porphyry copper Highland Valley Camp camp which contained reserves of close to 2 billion tonnes grading approximately 0.45% copper equivalent in 1976. This camp remains a prolific copper producing area.

The Mime claims are underlain by Cretaceous Kingsvale Group amygdaloidal basalt flows and mid Tertiary feldspar porphyry. Mineralization is related to quartz-pyrite-chalcopyrite infilled shears and fractures within the feldspar porphyry unit. Alteration consists of silicification and pyritization of the porphyry adjacent to the mineralized shear zones.

The 1990 mapping, rock and soil sampling program outlined 3 target areas. Target Area #1 is a previous drilled area which includes: the Main Showing and intrusion breccia, a mineralized fracture system with results up to >10,000 ppm copper and 345 ppb gold, ten anomalous rock sample results up to 6392 ppm copper, two well defined areas of anomalous copper in soils, and a concentration of eleven gold anomalies in soils. Target Area #2 is a 3 point gold soil anomaly with results up to 990 ppb. Target Area #3 is the Barrie Creek drainage basin where a stream sediment sample assayed 540 ppb gold.

A Phase 2 exploration program has been recommended, consisting of gridding, geological mapping and sampling, soil sampling and backhoe trenching. The estimated cost is $55,000.

TABLE OF CONTENTS

1.0 INTRODUCTION

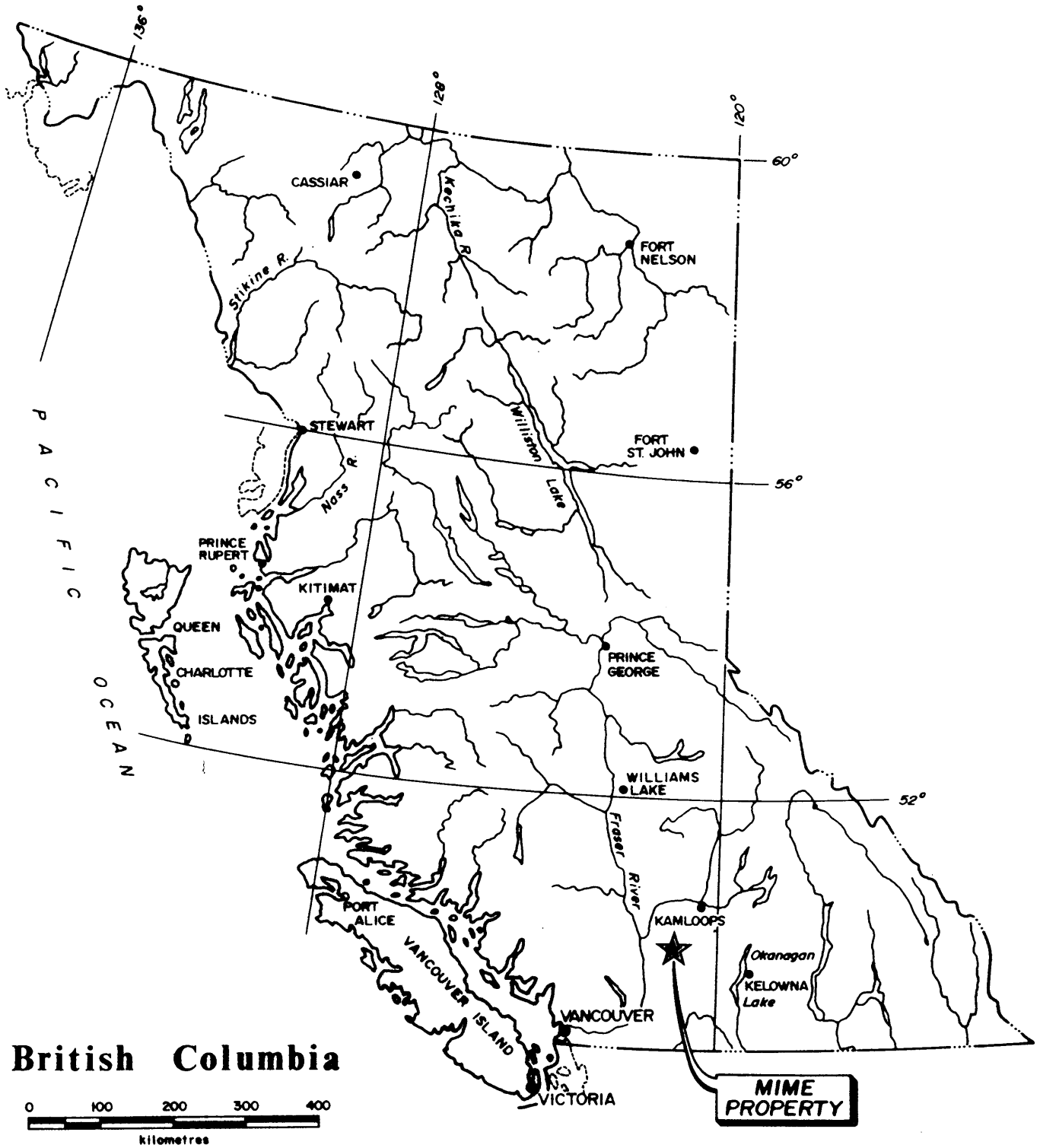
This report was prepared at the request of Pacific Sentinel Gold Corp to describe and evaluate the results of a geological-geochemical program carried out by Reliance Geological Services Inc on the Mime Property, Manning Creek area, B.C.

The field work was undertaken to evaluate the property for vein and/or shear hosted copper-gold potential. Field work was done by M. McClaren and B. Yorston (geologists) from August 1 to 8, 1990. Additional field work was carried out from August 20 to September 4, 1990, by Gordon Addie (geologist) and Andy Cooper (geotechnician), under the supervision of Peter Leriche, B.Sc., F.G.A.C., who was on the subject property on August 25 and 26.

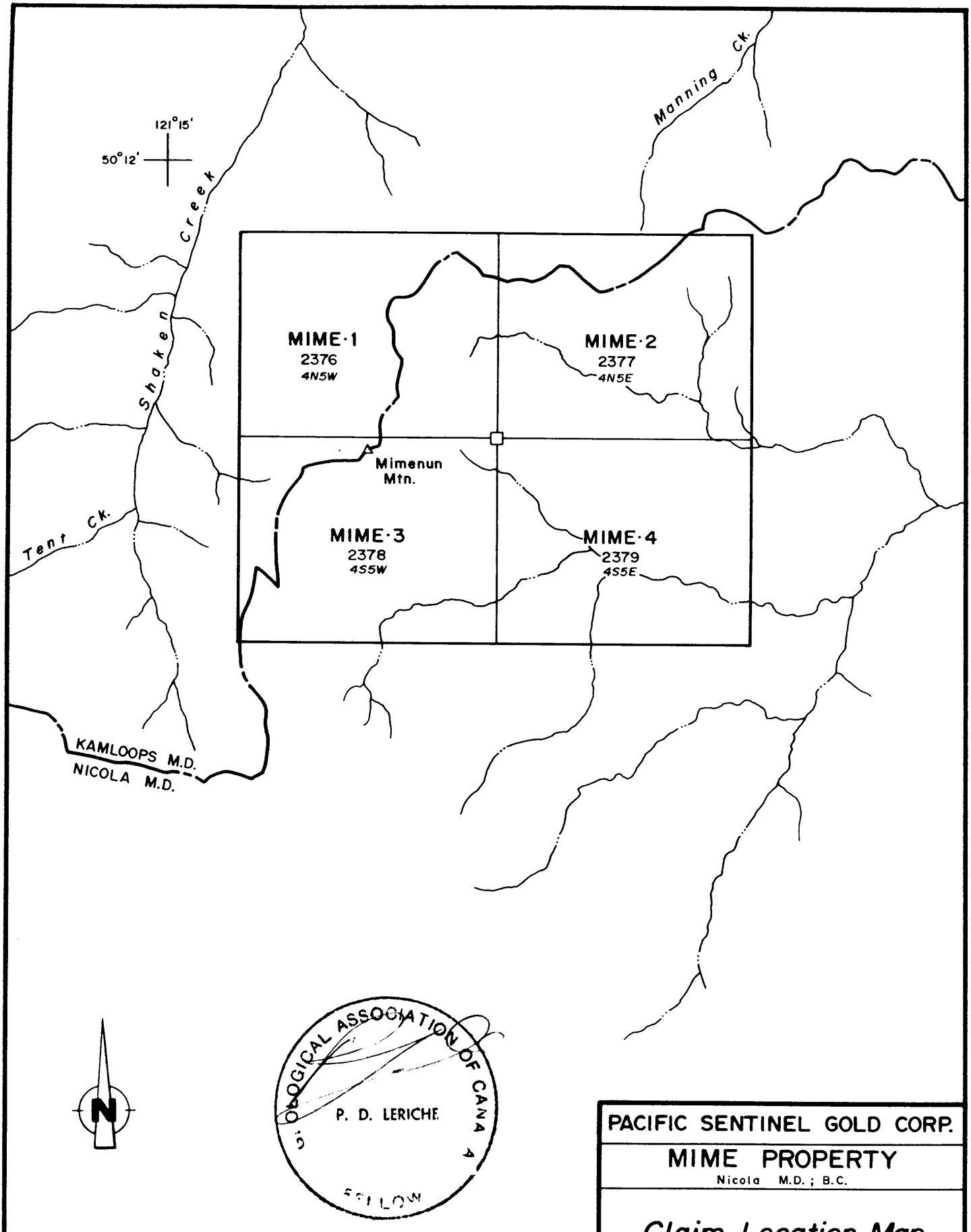
This report is based on the 1990 fieldwork, and on published and unpublished information supplied to the writer by Pacific Sentinel Gold Corp. The report also describes the area history, previous work, and regional geology, and makes recommendations for further work.

2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Mime claims are situated in the Manning Creek area of south-central British Columbia, approximately 35 kilometers west of Merritt, B.C. (Figures 1 and 2). The claims lie within NTS Map Sheet 92I/3, at latitude 50°10' north, longitude 121°13' west, and between UTM 5557000 m and 5562000 m North and UTM 624000 m and 631000 m East.



PACIFIC SENTINEL GOLD CORP.	
MIME PROPERTY Nicola M.D., B.C.	
General Location Map	
Scale as shown	N.T.S. 92-I/3
Date Sept. 1990	Figure 1
RELIANCE GEOLOGICAL SERVICES INC.	



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P. D. LERICHE
FELLOW

PACIFIC SENTINEL GOLD CORP.	
MIME PROPERTY Nicola M.D.; B.C.	
Claim Location Map	
Scale 1:50,000	N.T.S. 92-I/3
Date Sept. 1990	Figure 2
RELIANCE GEOLOGICAL SERVICES INC.	

Road access is via Highway 8 from Merritt, northwest 35 km to the village of Dot. From there, the Manning Creek logging road leads southwest for 18 km. The subject property is another 2 km south along a four-wheel drive road. A number of 4 x 4 roads cross the claims.

The property is on gentle to moderate terrain with slopes dipping in all directions from the peak of Mimenuh Mountain. Elevations vary from 6124 ft. (1867 m) at Mimenuh Mountain to 3400 ft (1036 m) on the eastern claim boundary for a total relief of 2724 ft (831 m). Drainage is to the east along Barrie, Shakan, Manning and Nuaitch Creeks to the Nicola River and into the Thompson-Fraser River system.

The area is relatively dry with vegetation consisting mainly of wide spaced lodge pole pine and Douglas fir.

The recommended field season is from mid-April to early November. Geophysical surveys and diamond drilling are feasible year-round.

3.0 PROPERTY STATUS

The property consists of four contiguous mineral claims (Figure 2) totalling 80 units in the Nicola Mining Division. The claims are registered in the name of United Mineral Services Ltd and are beneficially owned (100%) by Pacific Sentinel Gold Corp. Two placer claims, not owned by Pacific Sentinel Gold Corp, overlie Barrie Creek on the Mime 1 claim.

Details of the claim are as follows:

Claim	Record Number	Units	Record Date	Expiry Date
Mime 1	2376	20	20 Apr 1990	20 Apr 1991
Mime 2	2377	20	20 Apr 1990	20 Apr 1991
Mime 3	2378	20	20 Apr 1990	20 Apr 1991
Mime 4	2379	20	20 Apr 1990	20 Apr 1991

The total area covered by the claims is 2000 hectares, or 4940 acres.

4.0 AREA HISTORY

The mining history of the region has focused on the Highland Valley Camp (32 km NNE), a world-class copper producing area.

During the 1960's and early 1970's, 5 major porphyry copper deposits were developed within the Upper Triassic Guichon Creek Batholith. Reserves as of 1976 were as follows (McMillan, 1976):

Deposit	Tonnage (million tonnes)	Copper %
Bethlehem	55	.47
Lornex	392	.41
Valley	700	.48
Highmont	136	.28
J.A.	260	.43
Total	1,543	Avg. .41

McMillan (1976) reported aggregate ore reserves from the above and smaller deposits of almost 2 billion tonnes grading 0.45% copper equivalent.

The Craigmont Mine is located at the southern end of the Highland Valley camp, 19 km east of the subject property. The deposit is a copper-iron skarn hosted by Triassic Nicola Group volcanics and limestones. The Cretaceous Kingsvale Group unconformably overlies (200 m thick) the west end of the ore-body. The deposit was discovered in 1957-58, after drilling magnetic anomalies of extremely high intensity. Drill hole #15 (1958) intersected 195 meters grading 4.40% copper. The mine produced (underground and open pit) in excess of 36,400,000 tons grading approximately 1.29% copper until closure in 1982 (Briston, 1985).

5.0 PREVIOUS WORK

The property (Copper Canyon Claims) was initially staked in the early 1960's by prospector L. Fournier of Merritt. The claims were optioned to Amalgamated Resources, then to Hurley River Gold Mines in 1962.

The target deposit in the early days of exploration was a Craigmont type orebody associated with high magnetics.

Nov. 1962 - May 1963: Hurley River Mines drilled 12 holes totalling approximately 5,000 ft., around Copper Canyon Creek.

Significant results include the following: (compiled from George Cross Newsletters, Hurley River News Releases, Drill Logs, Assay Sheets)

	Intersection		Interval	Copper
Hole #	From (ft)	To (ft)	(ft)	(%)
1	0	265	265	0.22
2	245	415	170	0.55
incl	350	415	65	1.03
incl	350	370	20	2.21

Hole #	Intersection From (ft)	To (ft)	Interval (ft)	Copper (%)
3	20	98	78	0.60
	184	245	61	0.26
	245	415	170	0.55
4	28	218	190	0.63
incl	58	118	60	1.30
6	60	170	110	0.61
incl	60	130	70	0.89
incl	80	110	30	1.21

Little information is available for drill holes 7 to 12. Holes 7, 9, 10, were reported to intersect "low" copper values in quartz porphyry over significant lengths.

A sample taken across 10 ft. of outcrop returned values of 0.02 opt gold, 1.20 opt silver and 3.20 % copper.

July 1963 - Hurley River Mines Ltd. conducted geological mapping, soil sampling, magnetic and electromagnetic surveys. The magnetic survey proved useful in delineating lithologies which augmented mapping. Anomalous soil values (copper) were obtained along Copper Canyon Creek. Geologist B.R. Richards (from McIntyre Porcupine Mines) concluded that the quartz porphyry host and a fault structure along Copper Canyon Creek was "extremely favourable for sulphide deposition".

October 1964 - A Geomag geophysical survey was conducted by Hurley River Mines Ltd. The survey outlined a prominent structural anomaly along the east side of Copper Canyon Creek (Assessment Report 613).

1965 - A comprehensive review and diamond drill program allegedly took place in February 1965.

1969 - New Cinch Uranium Mines Ltd. conducted geochemical soil sampling (Assessment Report 2122) and a magnetometer survey (Assessment Report 2123) on the Copper Canyon Property. The soil sampling outlined numerous "spot" copper anomalies. The magnetic survey delineated 9 anomalies but no major magnetic zones. Backhoe trenching and stripping was recommended.

1979 - The property was re-staked as the Duke 1 mineral claim by Mr. T.D. Lewis, for its porphyry copper potential.

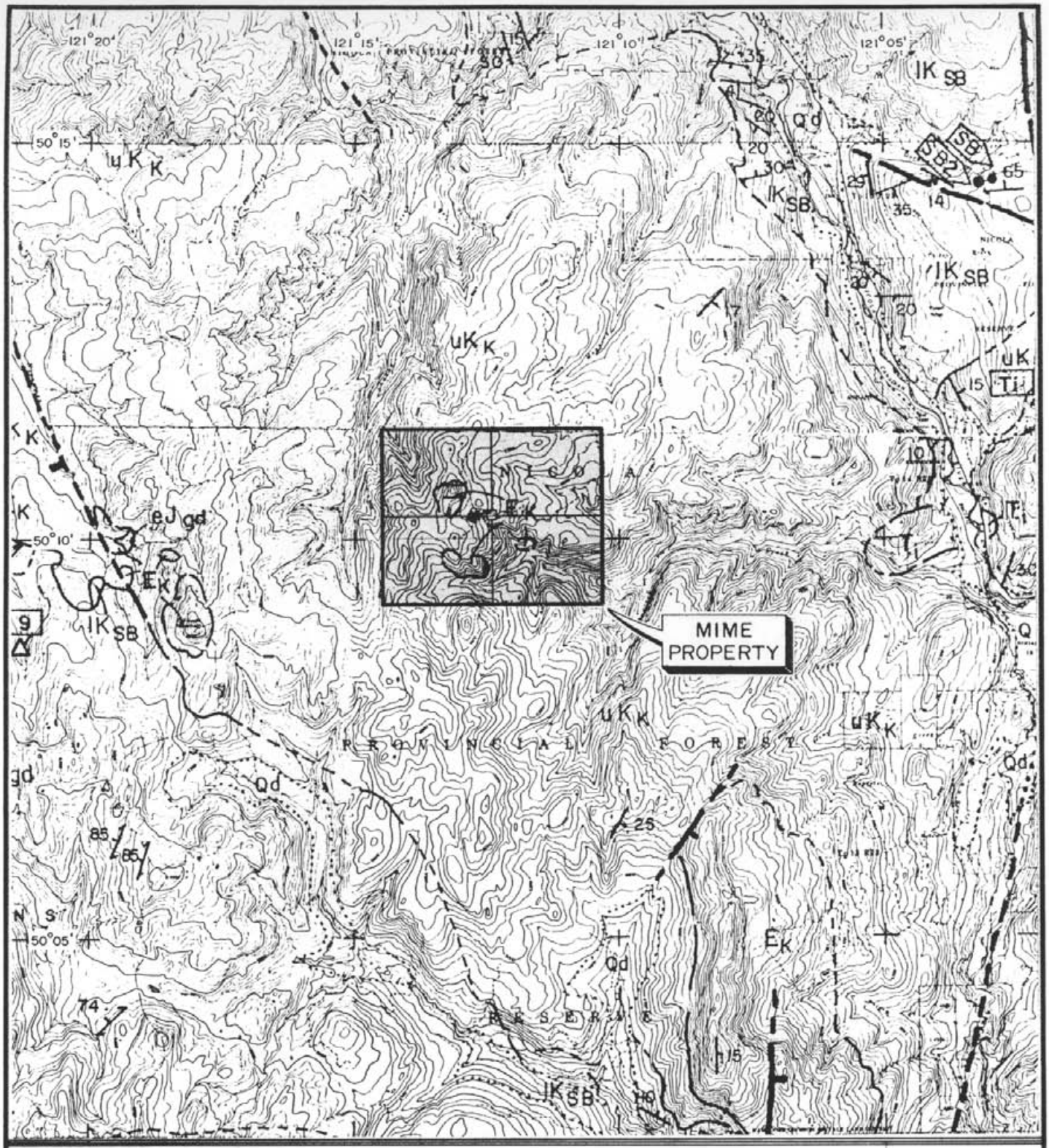
1980 - Noranda Exploration Company Limited performed geological mapping, soil geochemistry, VLF-EM and magnetometer geophysics (Assessment Report 8152). The results from soils and geophysics did not outline any significant anomalies. The writer (Mathieson) hypothesized that the scattered stockwork zones on the Duke property could represent the very top of a porphyry system, and that copper might be present in larger quantities at depth. He concluded that the only test of this hypothesis would be a deep drill hole.

April 1990 - Mime 1 to 4 claims staked for United Mineral Services Ltd.

6.0 REGIONAL GEOLOGY (Figure 5)

The subject area is underlain by a succession of Palaeozoic to Tertiary volcanic and sedimentary rocks which have been intruded by Triassic-Jurassic granodiorite plutons.

The oldest rocks in the area belong to the Permian Cache Creek Group and consist of thick successions of chert, argillite, altered volcanic rocks and limestone.


121°20'
121°15'
121°10'
121°05'
50°15'
50°10'
50°05'
MIME PROPERTY
PROVINCIAL FOREST
RESERVE
uK K
lK SB
Qd
gd
eJ gd
Ek
Ti
Limit of outcrop
Limit of geological mapping
Geological boundary (defined, approximate, assumed)
Fault (defined, approximate, assumed, extension beneath drift)
Fault; bar indicates down thrown side; arrow indicates relative movement
Thrust fault; "layer parallel fault"; teeth on upper plate
Diagnostic fossil locality. Refer to table 1, sheet 2
Isotopic age (Ma). Refer to table 2, sheet 2
K-Ar system:
SEE FOLLOWING PAGE FOR LITHOLOGICAL DESCRIPTIONS.
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G.S.C. Map Open File 980
J.W. Monger 1982
0 1 2 3 4 5 Kilometres
PACIFIC SENTINEL GOLD CORP.
MIME PROPERTY
Nicola M.D. ; B.C.
Regional Geology Map
Scale as shown
N.T.S. 92-I/3
Date Sept. 1990
Figure 3
RELIANCE GEOLOGICAL SERVICES INC.

GEOLOGIC LEGEND

QUATERNARY

Qd — Glacial - fluvial alluvium, colluvium & till

TERTIARY

T_i — Small intrusions of mainly intermediate compositions

E_K — Kamloops Group: Basalt, andesite, dacite, rhyolite, breccia, tuff with minor interbedded sediments

CRETACEOUS

UK_K — Kingsvale Group: Basalt, local intercalated volcaniclastics

IK_{SB} — Spences Bridge Group: Andesite, dacite, rhyolite, local volcaniclastics, sandstone & shale

JURASSIC

eJ_{gd} — Granodiorite, quartz monzonite

TRIASSIC & (?) JURASSIC

TJ_{gd} — Granodiorite

$TJ_{gd(qd)}$ — Granodiorite, quartz diorite

UT_{NI} — Nicola Group: Mafic to felsic volcaniclastics, interbedded argillite

The Upper Triassic Nicola Group (UTNI) consists of mafic to felsic volcaniclastics, mafic flows, argillite, chert, greywacke and limestone. The Group has been metamorphosed by the Guichon Creek batholith. This metamorphism is thought to be related to skarn mineralization at the Craigmont Mine.

The Cretaceous Spences Bridge Group (IKSB) consists of approximately 5000 ft. of multicoloured andesite, dacite, rhyolite flow rocks, local volcaniclastics and minor sandstone and shale.

The Cretaceous Kingsvale Group (UKK) underlies the subject property and unconformably overlies Spences Bridge Group and Nicola Group rocks. Basaltic and andesitic flows, commonly amygdaloidal, constitute the bulk of the group.

The Tertiary Kamloops Group consists of basalt, andesite, dacite, rhyolite flows with minor tuffs and sediments.

Batholitic rocks of Coast Intrusions range in age from Triassic to lower Cretaceous, and intrude Nicola and Cache Creek Group rocks. The Guichon Creek and Mt. Lytton batholiths range in composition from granite to diorite but average is granodiorite.

7.0 1990 EXPLORATION PROGRAM

7.1 Scope and Purpose

During August and September 1990, a field crew consisting of four geologists (M. McLaren, B. Yorston, G. Addie, P. Leriche) and one geotechnician (A. Cooper) completed a program of grid layout, geological mapping, rock sampling, contour and grid soil sampling, and stream sediment sampling.

The purpose of the program was to evaluate the entire property for vein/shear zone copper-gold potential using geological and geochemical techniques.

7.2 Methods and Procedures

A survey grid was laid out over the drill road area and over copper geochemical anomalies outlined from 1969 work on the Mime 4 claim. The grid was initiated at the LCP, coordinates 10+000N, 10+000E. The baseline (11+550E) and cross-lines (100 m line spacings) were surveyed using compass and hipchain. Stations were marked at 50 m intervals with double flagging and embossed metal tags. Total line surveyed was 8.95 kilometers.

Geological mapping was performed over the entire property at a scale of 1:10000 (Figure 4). A total of 53 rocks were collected, with 30 analyzed for gold (fire assay) and multi-element ICP by Eco-Tech Laboratories (22) and Min-En Labs (8). The remaining twenty-three samples were analyzed for gold (fire assay and acid leach) by Acme Analytical Laboratories (9) and Chemex Labs (14). See Appendix A for rock sample descriptions and Appendix B for analytical techniques and results.

The 1990 grid was soil sampled at 50 meter station spacings, with 171 samples collected. A total of 112 contour soil samples were collected by Reliance (38) and McLaren/Yorston (74) along roads on the property (Figures 5, 6, 7, 8). All samples were taken with a grub hoe from the B horizon (approximate depth 30 cm), placed into marked Kraft paper bags and sent to Eco-Tech Laboratories Ltd. and Acme Analytical Laboratories Ltd. for analysis. The analytical results for 2 elements (Au, Cu) were computer-plotted on 1:5,000 scale maps (Figures 7 and 8).

To evaluate any existing geochemical anomalies, frequency distribution histograms based on laboratory data were prepared

for each of the aforementioned elements (Appendix C). Anomalous values were chosen using natural breaks in each histogram. 209 samples collected by Reliance were used for statistical purposes.

Correlation coefficients were calculated (Appendix C) and anomalous ranges for each element were plotted using symbol maps (Figures 7 and 8). All statistical and plotting work was performed by Tony Clark (Ph.D.) of Reliance Geological Services.

A total of 17 stream sediment samples were collected from the active part of the drainages, from the sand-silt fractions. Samples were packaged in Hubco Sand Bags and sent for analysis (Appendix B).

7.3 Property Geology (Figure 4)

Two lithologies were mapped on the Mime 1 to 4 claims.

The oldest and most widespread unit (90%) is massive fine grained basalt, amygdaloidal basalt flows and flow breccias (Unit 1) belonging to the Cretaceous Kingsvale Group. The volcanics are dark gray/black, fine grained and usually amygdaloidal. Amygdules are up to 1 cm in diameter, are infilled with chalcedony (agate), and are often rimmed with a bright green or orange mineral, thought to be celadonite. The groundmass locally contains feldspar phenocrysts, 1 mm wide. Flow lamination and elongation of amygdules trends at 140 degrees.

The feldspar porphyry (Unit 2) is exposed in four areas in the central part of the property. The porphyry is interpreted as sills and/or dykes which are part of a feeder system to the Eocene Kamloops Group volcanics. The unit is medium gray, fine to medium grained and contains phenocrysts of plagioclase (3 mm wide) and biotite (3 mm).

Structurally, a fault is inferred along Copper Canyon Creek. This fault and related fractures are conduits for quartz veins and mineralization.

Mineralization found to date is within fractures cutting Unit 2 in the Copper Canyon Creek (drill road) area. One mineralized outcrop (Main Showing) was located along Drill Road No. 2. A sheeted shear zone 3-4 meters wide contains blebs and dissemination of chalcopyrite, pyrite and magnetite. Mineralization occurs in the centre of the veins and is enveloped by fine grained quartz. The individual fractures are usually less than 20 cm wide.

An intrusion breccia was located 50 meters north of the Main Showing. Sub-rounded fragments of porphyry and volcanics are healed by a magnetite rich matrix.

Alteration consists of silicification and pyritization of the feldspar porphyry within 10 cm of the mineralized shear zones. The volcanics show local propylitic alteration of the groundmass. No contact relationships were observed between the volcanics and porphyry.

7.4 Rock Geochemistry (Figures 5 and 6).

The following results are considered significant:

Sample Number	Type	Results	Location
MYR-1	Select	1330ppm Cu 20 ppb Au	End of drill road No.4
Description:	Feldspar porphyry with weak quartz stockwork with disseminated pyrite and chalcopyrite.		
MYR-5	Select	735ppm Cu	45 m north of MYR-1
Description:	Feldspar porphyry with hairline stringers infilled with chalcopyrite.		

MYR-7	Select	360ppm Cu	30 m west of Copper Canyon Creek.

Description: Silicified feldspar porphyry with narrow stringers infilled with chalcopyrite and magnetite.

MYR-8	Select	6392ppm Cu 2.3ppm Ag 27ppb Au	North of drill road No.2, west of Copper Canyon Creek.

Description: Silicified feldspar porphyry with up to 10% chalcopyrite along fractures.

MR-5	Select	>10000ppm Cu 345ppb Au 3.2ppm Ag	Main Showing
MR-5B	Select	5500ppm Cu 285ppb Au 6.9ppm Ag	Main Showing
MIM90-A20R	Chip 3.3m	909ppm Cu	Main Showing
MIM90-A21R	Chip 3.8m	730ppm Cu	Main Showing
MIM90-A22R	Chip 2.9m	812ppm Cu 40ppb Au	Main Showing
MIM90-A23R	Chip 2.8m	476ppm Cu	Main Showing
MIM90-A24R	Chip 3.4m	530ppm Cu	Main Showing

Description: Main Showing is a sheeted fracture system with shears infilled with chalcopyrite, pyrite and quartz. Samples A20R to A24R were continuous chips taken across the exposed road cut (16.3 meters).

MR-6	3100 ppm Cu 3.0 ppm Ag	30 meters south of Main Showing
MR-7	4000 ppm Cu	End of drill road #1
MR-8A	1200 ppm Cu	East bank of Copper Canyon Creek
MR-8B	450 ppm Cu	East bank of Copper Canyon Creek

MR-9	1000 ppm Cu 50.0 ppm Ag 85 ppb Au	200 meters NE of Mimenuh Mtn.
MR-18	410 ppm Cu	30 meters north of Main Showing
MR-19	1000 ppm Cu	50 meters NE of Main Showing

7.5 STREAM SEDIMENT GEOCHEMISTRY (Figures 5 and 6)

Sample MSS-9, collected from a tributary of Barrie Creek, assayed 540 ppb gold.

7.6 SOIL GEOCHEMISTRY

7.6.1 Copper in Soils (Figures 5, 6, and 7)

Range	:	9 to 757 ppm
Mean	:	46.32
Standard deviation	:	120.7
Background	:	0 to 99 ppm
Anomalous	:	100+ ppm

Statistics do not include 74 contour samples from the "MS" series. Anomalous thresholds based on statistics have been used for all samples.

The following anomalies were outlined from 1990 sampling. All anomalies are in the drill road area.

Sample Number	Copper (ppm)	Location	Comments
MS 8	231	Main Showing &	North-south trending
MS 9	309	Intrusion Breccia	anomaly approx. 100
MS10	5547	areas and south	x 250m, including
MS11	254	to Copper Canyon	20 results over
MS12	106	Creek	100 ppm
MS17	826		
MS18	340		
MS19	131		
MS24	259		
MS25	116		
MS26	645		
MS27	400		
MS29	120		
MS30	100		
MS31A	333		
MS33	173		
MS34	434		
MS35	411		
9+700N 10+250E	111		
9+800N 10+100E	757		
MS41	393	Drill Road	Northwest-southeast
MS42	310	#4, southeast	trending 11 point
MS43	344	area	anomaly approx.
MS45	177		100 x 180 m
MS53	769		
MS54	919		
MS55	151		
MS56	185		
MS57	189		
MS58	309		
MS74	2157		
MS49	104	Drill Road #4	1 point anomaly
9+900N 10+230E	116	Main Road @	2 point anomaly
9+900N 10+300E	233	Jct of Drill Roads 1 & 2	

7.6.2 Gold in Soils (Figures 5, 6, and 8)

Range	:	<5 to 990 ppb
Mean	:	8.83
Standard Deviation	:	70.28
Background	:	0-15 ppb
Anomalous	:	16+ ppb

Gold anomalies are spotty, possibly due to the "nugget effect" of gold in soils. The following anomalies were outlined:

Sample Number	Gold (ppb)	Location	Comments
MS 5	23	Main Showing area	A concentration of
MS 6	44	to Copper Canyon	11 anomalies along
MS 9	420	Creek. Along	the east edge of
MS10	100	Drill roads 1 & 2	the 20 point copper
MS19	18		anomaly
MS24	49		
MS28	24		
MS29	27		
MS35	21		
9+800N 10+050E	20		
9+800N 10+100E	15		
MS46	16	Drill Road #4	Spot anomalies
MS48	17		
MS52	16		
MS55	16		
MS61	20		
MS62	131		
MS69	77		
9+900N 10+150E	20		
9+900N 10+050E	15		
9+800N 10+400E	990	Grid Coordinates	3 point linear
9+900N 10+350E	25		anomaly
10+000N 10+400E	40		
10+000N 10+650E	15	Grid Coordinates	2 point anomaly
10+000N 10+700E	85		
9+700N 10+900E	25	Grid Coordinates	Spot anomaly
9+600N 11+100E	25	Grid Coordinates	Spot anomaly
9+600N 11+250E	15	Grid Coordinates	Spot anomaly
9+800N 11+200E	30	Grid Coordinates	Spot anomaly

7.7 Discussion of Results

Mineralization found on the Mime property is related to copper and associated gold in shear and fault zones within the Tertiary feldspar porphyry unit. Faulting and brecciation of the porphyry is likely associated with the regional Fraser River fault system. The age of mineralization (Eocene?) is approximately the same timing as the Blackdome epithermal gold deposit, 180 km northwest. The exploration potential lies in finding a high density of copper (and gold) bearing shears and faults in the Copper Canyon Creek area. Two broad copper soil anomalies and associated high copper results in rocks show that this potential does exist.

Exploration potential also exists in finding the source of placer gold in the Barrie Creek drainage.

The following target areas have been defined from previous and 1990 exploration work.

Target Area #1

This area encompasses Drill Roads 1 to 4 and the upper part of Copper Canyon Creek. No reliable data is available from the drilling which was done in the early 1960's.

The Main Showing is a sheeted fracture system infilled with quartz and chalcopyrite. Rock sample results at the Main Showing range from 476 to >10000 ppm copper and up to 345 ppb gold. Ten other select rock samples on Target Area #1 assayed up to 6392 ppm copper.

Soil sampling defined two zones (dimensions 100 x 250m and 100 x 180m) of anomalous copper (above 100 ppm). A concentration of 11 gold anomalies flanks the 100 meter x 250 meter copper anomaly.

Target Area #2 includes a 3 point gold anomaly in soils with a high result of 990 ppb.

Target Area #3 includes the Barrie Creek drainage basin. Two placer claims on the creek indicate that the gold source is within the drainage basin. One stream sediment sample assayed 540 ppb gold.

8.0 CONCLUSIONS

The Mime property has good potential to host a vein and/or shear type copper/gold deposit for the following reasons:

1) The geological environment, Tertiary aged faulted and brecciated feldspar porphyry, is favourable; and

2) Previous work and the 1990 exploration program have outlined 3 target areas which warrant further work.

9.0 RECOMMENDATIONS

Phase 2

1. Conduct a backhoe trenching program over target areas 1 and 2. Attention should focus on the Main Showing (extending the strike length) and the intrusion breccia.

2. Lay out one control grid over target areas 1 and 2, and map it in detail.

3. Lay out approximately 25 line kilometers of grid over target area #3 (Barrie Creek drainage basin). Suggested line spacing would be 100 meters with station spacings of 50 meters.

4. Collect approximately 500 soil samples at 50 meter intervals from the target area #3 grid.

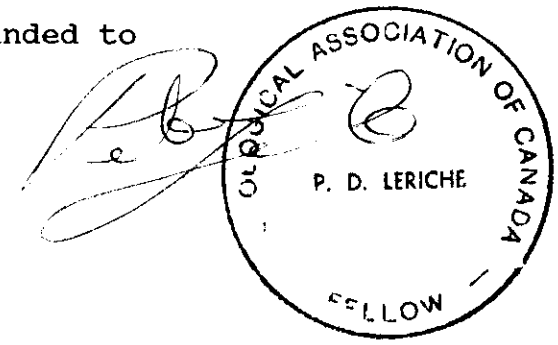
5. Geologically map and sample the target area #3 grid.

Contingent upon favourable results from Phase 2, Phase 3 would consist of further backhoe trenching and diamond drilling.

10.0 PROPOSED BUDGET

MIME PROPERTY
PHASE 2

Project Preparation	$ 500
Mobilization/Demobilization (includes transportation, food & accommodation)	$ 2,800
Field Crew:	$14,280
Field Costs:	$ 8,220
Laboratory Analysis:	$ 8,190
Sub-Contractors: Backhoe	$ 5,400
Reclamation	$ 2,000
Report:	$ 4,500
Sub-total	$45,890
Administration, including Overhead and Profit	$ 4,589
Sub-total	$50,479
plus Allowance for G.S.T. (7%)	$ 3,534.
TOTAL	$54,013.
Rounded to	$55,000



CERTIFICATE

I, PETER D. LERICHE, of 3125 West 12th Avenue, Vancouver, B.C., V6K 2R6, do hereby state that:

1. I am a graduate of McMaster University, Hamilton, Ontario, with a Bachelor of Science Degree in Geology, 1980.

2. I am a Fellow in good standing with the Geological Association of Canada.

3. I have actively pursued my career as a geologist for eleven years in British Columbia, Ontario, Yukon and Northwest Territories, Arizona, Nevada and California.

4. The information, opinions, and recommendations in this report are based on fieldwork carried out under my direction, and on published and unpublished literature. I was present on the subject property on August 25 and 26, 1990.

5. I have no interest, direct or indirect, in the subject claims or the securities of Pacific Sentinel Gold Corp.

6. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

RELIANCE GEOLOGICAL SERVICES INC.

Peter D. Leriche, B.Sc., F.G.A.C.

Dated at North Vancouver, B.C., this 16th day of October, 1990.

ITEMIZED COST STATEMENT

UNITED MINERAL SERVICES LTD
#1020 - 800 W. Pender St
Vancouver, B.C. V6C 2V6

Re: Job 661 - MIME CLAIMS: RECONNAISSSANCE

Project Preparation			$ 150.
Mobilization & demobilization (includes food & acc, transportation, wages)			$ 1,690.
Field Crew:			
Geologists (2) (M McLaren & B Yorston, Aug 1 - 8, 1990)	$ 325/day x 14 days	$ 4,550.	
Geologist (G Addie, Aug 21 - Sep 4, 1990)	$ 325/day x 14 days	$ 4,550.	
Geologist (P Leriche, Aug 25 - 27, 1990)	$ 325/day x 3 days	$ 975.	
Prospector (A Cooper, Aug 21 - Sep 4, 1990)	$ 250/day x 14 days	$ 3,850.	$ 13,925.
Field Costs:			
Camp rent & food	$ 60/day x 45 mandays	$ 2,700.	
Communications	$ 20/day x 14 days	$ 280.	
Supplies & fuel	$ 22/day x 45 mandays	$ 990.	
Vehicle	$110/day x 24 days	$ 2,640.	$ 6,610.
Lab Analysis:			
17 silt and 283 soil samples @ $14/sample (Geochem Au/AA and multi-element ICP)		$4,200.	
53 rock samples @ $17/sample		$ 901.	$ 5,101.
Report:			
Map preparation,drafting,plotting		$ 1,600.	
Report Writing & editing		$ 950.	
Word processing, copying, binding		$ 350.	$ 2,900.
Administration incl. Overheads & Profit			$ 3,037.
TOTAL			$ 33,413.

REFERENCES

Allen, A.R., 1969. Geochemical Report for New Cinch Uranium Mines Ltd. Ass. Rpt. 2122.

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Briston, J.F., 1985. Diamond Drilling Report on the Phoenix Claim Group for Craigmont Mines. Ass.Rept. 14,102.

Cockfield, W.E., 1948. Geology and Mienral Deposits of Nicola Map Area, B.C. GSC Memoir 249.

Duffel, S. and McTaggart, K.C., 1952. Ashcroft Map Area, B.C. GSC Memoir 262.

George Cross Newsletters. Hurley River Mines Ltd. News Releases: Nov. 14/1962; Dec. 6/1962; Dec. 14/1962; Jan. 3/1963; Feb.20/1963; Feb.22/1963; Mar. 6/1963; May 7/1963; May 29/1963; April 5/1965.

Hings, D.L., 1964. Geomag Geophysical Report of the Copper Canyon Property for Hurley River Mines Ltd. Ass. Rpt. 613.

Mathieson, N.A., 1980. Geological, Geophysical and Geochemical Report on the Duke 1 Mineral Claim for Noranda Exploration Company Limited. Ass. Rpt. 8152.

McMillan, W., 1976. Geology and Genesis of the Highland Valley Ore Deposits and the Guichon Creek Batholith. C.I.M. Special Volume 15.

Richards, B.R., 1963. Report on the Copper Canyon, PJH, Tent and Eagle Groups of Mineral Claims in the Merritt Area of British Columbia. Private Report.

APPENDIX A

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
MIM90-A1R	Chip sample 0.5 x 2.0 meters. Fine grained buff weathering volcanic with chlorite along fractures.	
MIM90-A2R	Select sample. Fine grained tan coloured volcanic, weakly magnetic with chlorite along fractures.	
MIM90-A3R	Select sample. Amygdaloidal basalt with amygdules infilled with chalcedony and rimmed with celadonite.	
MIM90-A4R) MIM90-A5R) MIM90-A6R)	Same as A3R	
MIM90-A7R	Select sample. Completely sausseterized feldspar porphyry(?) with 0.5% disseminate pyrite and chalcopyrite.	
MIM90-A8R	Same as A7R.	
MIM90-A9R	Select sample. Crudely foliated basalt.	
MIM90-A10R	Select sample. Clay altered feldspar/ quartz stringer, 10 cm wide, within fine grained basalt.	
MIM90-A11R	Select sample. Fine grained basalt with feldspar phenocrysts (51mm). Chalcedony along fractures.	
MIM90-A12R	Select sample. Amygdaloidal basalt.	
MIM90-A13R	Select sample. Limonitic volcanic breccia with chloritic rims.	
MIM90-A14R	Select sample. Volcanic breccia with feldspar phenocrysts.	
MIM90-A15R	Select sample. Fine grained massive basalt with limonitic fractures.	
MIM90-A16R	Same as A15R	

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
MIM90-A17R	Same as A15R	
MIM90-A18R	Select sample. Andesite/basalt flow breccia.	
MIM90-A19R	Select sample. Fine grained massive basalt with 1% diss. pyrite.	
MIM90-A20R	Chip sample, 3.3m. Sheared feldspar porphyry with quartz, chalcopyrite, magnetite and malachite in stringers.	
MIM90-A21R	Chip sample, 3.8m. Sheared feldspar porphyry with quartz stringers. Minor pyrite and chalcopyrite.	
MIM90-A22R	Chip sample, 2.9m. Moderately sausseterized feldspar porphyry with magnetite stringers.	
MIM90-A23R	Chip sample, 2.8m. Same as A22R.	
MIM90-A24R	Chip sample, 3.4m. Moderately sausseterized feldspar porphyry.	

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
MIM90-CR1	Select sample. Pyritic rusty basalt.	
MIM90-CR2	Select sample. Tan weathered amygdaloidal basalt with clay infilled amygdules.	
MIM90-CR3	Select sample. Basalt porphyry with fine grained feldspar phenocrysts.	
MIM90-CR4	Select sample. Volcanic breccia.	
MIM90-CR5	Select sample. Feldspar porphyry.	

SAMPLE NO.	DESCRIPTION	WIDTH (cm)
MYR-1	Float. From hand trench at end of Drill Road #4. Feldspar porphyry with weak quartz stockwork. Quartz stringers <1cm wide contain pyrite and chalcopyrite.	
MYR-2	Select sample. Maroon coloured amygdaloidal flow.	
MYR-3	Select sample. Maroon amygdaloidal flow with amygdules infilled with finely banded chalcedonic quartz.	
MYR-4	Select sample. Tan coloured, limonitic, vuggy, extremely altered intrusive(?) adjacent to fresh basalt.	
MYR-5	Select sample from trench. Feldspar porphyry with hairline stringers infilled with chalcopyrite.	
MYR-6	Float. Hornfelsed andesite with 7-9% pyrite.	
MYR-7	Select sample. Silicified feldspar porphyry with up to 1% chalcopyrite-magnetite along stringers and disseminated in the host.	
MYR-8	Select sample in trench. Silicified feldspar porphyry with approximately 10% chalcopyrite along fractures and disseminated in host rock. Minor magnetite. Fracture attitude 045/vertical.	
MYR-9	Select sample. From gossan containing 10-15% fine pyrite along fractures. Fractures trend 045°.	

APPENDIX B

ANALYTICAL RESULTS AND TECHNIQUES

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-561

241 E. 1ST. ST.
NORTH VANCOUVER, B.C.
V1S 1J9

SEPTEMBER 18, 1990

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 561
22 ROCK SAMPLES RECEIVED SEPTEMBER 13, 1990

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
561 - 1	MIM 90 CR-001	10	<.2	3.79	<5	<2	34	27	.73	3	12	86	12	9.03	.07	<10	2.61	591	<1	.07	26	1357	94	<5	<20	132	.13	<10	120	<10	10	96
561 - 2	MIM 90 CR-002	5	<.2	4.82	<5	4	47	19	2.47	2	15	111	17	8.20	.18	<10	2.83	736	<1	.02	33	753	<2	<5	<20	259	.36	<10	120	<10	24	51
561 - 3	MIM 90 CR-003	5	<.2	2.67	<5	<2	23	35	1.61	3	29	75	30	13.72	.14	<10	2.25	1079	2	.27	17	3308	<2	<5	<20	138	1.11	<10	166	<10	54	71
561 - 4	MIM 90 CR-004	25	<.2	3.28	<5	8	97	18	2.33	2	18	58	27	6.58	.19	<10	2.08	640	<1	.10	51	1013	<2	<5	<20	602	.40	<10	90	<10	31	44
561 - 5	MIM 90 CR-005	5	<.2	1.34	<5	3	30	12	.69	1	8	90	23	4.35	.06	<10	.98	470	4	.08	9	711	<2	<5	<20	80	.12	<10	64	<10	8	36
561 - 6	MIM 90 A 7 R	5	<.2	1.33	<5	<2	358	10	2.59	1	6	50	21	3.86	.22	<10	.87	599	2	<.01	7	878	<2	<5	<20	67	<.01	<10	28	<10	5	54
561 - 7	MIM 90 A 9 R	5	<.2	2.48	<5	<2	46	16	1.87	2	16	112	34	6.98	.35	<10	2.17	352	2	.20	41	1226	<2	<5	<20	91	.27	<10	112	<10	22	16
561 - 8	MIM 90 A 10 R	10	<.2	1.35	<5	3	135	<5	.81	<1	4	103	9	1.65	.09	<10	.44	156	5	.06	8	219	<2	<5	<20	125	.09	<10	49	<10	6	7
561 - 9	MIM 90 A 11 R	5	<.2	2.30	<5	4	12	17	1.10	2	18	84	11	7.40	.05	<10	2.65	1292	<1	.07	45	1335	<2	<5	<20	42	.33	<10	89	<10	24	42
561 - 10	MIM 90 A 12 R	5	<.2	3.31	<5	<2	92	21	3.62	2	18	76	<1	7.50	.13	14	2.52	1174	<1	<.01	30	1122	<2	<5	<20	125	<.01	<10	67	<10	12	67
561 - 11	MIM 90 A 13 R	5	<.2	2.56	<5	<2	96	23	1.63	2	16	105	7	7.23	.30	11	1.61	782	3	.02	28	1060	<2	<5	<20	47	.05	<10	74	<10	13	52
561 - 12	MIM 90 A 14 R	5	<.2	2.48	<5	<2	74	18	1.76	2	18	111	16	7.08	.12	13	2.11	793	1	.18	42	1285	<2	<5	<20	110	.17	<10	107	<10	22	40
561 - 13	MIM 90 A 15 R	5	<.2	2.78	<5	<2	66	19	1.74	2	19	130	26	7.55	.10	13	2.43	764	2	.21	42	1281	<2	<5	<20	97	.25	<10	114	<10	25	42
561 - 14	MIM 90 A 16 R	5	<.2	2.18	<5	<2	55	18	1.47	2	17	96	21	6.72	.10	12	2.23	430	1	.17	39	1099	<2	<5	<20	74	.24	<10	95	<10	23	38
561 - 15	MIM 90 A 17 R	5	<.2	2.01	<5	<2	52	20	1.45	2	16	89	22	6.42	.10	13	1.96	367	<1	.17	38	1315	<2	<5	<20	78	.21	<10	92	<10	22	36
561 - 16	MIM 90 A 18 R	5	<.2	3.12	<5	<2	74	25	.59	7	22	116	42	9.24	.25	<10	2.45	1227	10	.02	43	1744	45	<5	<20	15	<.01	<10	62	<10	16	229
561 - 17	MIM 90 A 19 R	5	<.2	3.54	<5	<2	66	<5	1.78	<1	17	68	56	4.66	.07	12	2.28	831	<1	.20	48	1455	<2	<5	<20	210	.19	<10	122	<10	12	77
561 - 18	MIM 90 A 20 R	5	<.2	1.45	<5	<2	63	<5	.85	<1	10	42	909	3.40	.17	<10	1.19	291	4	.04	8	638	<2	<5	<20	70	.05	<10	59	<10	5	33
561 - 19	MIM 90 A 21 R	5	<.2	1.46	<5	4	110	<5	.53	<1	11	39	730	3.73	.19	11	1.25	343	8	.05	9	696	<2	<5	<20	72	.07	<10	78	<10	6	37
561 - 20	MIM 90 A 22 R	40	<.2	1.45	<5	6	98	<5	.32	<1	11	48	812	5.15	.37	<10	1.23	362	12	.07	8	495	<2	<5	<20	71	.14	<10	84	<10	7	45
561 - 21	MIM 90 A 23 R	5	<.2	1.47	<5	5	167	<5	.40	<1	9	42	476	3.36	.51	<10	1.18	313	9	.10	7	620	<2	<5	<20	84	.17	<10	81	<10	9	45
561 - 22	MIM 90 A 24 R	5	<.2	1.39	<5	5	122	<5	.41	<1	11	45	530	3.58	.43	<10	1.12	252	11	.10	8	658	<2	<5	<20	94	.17	10	92	<10	9	43

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

SC90/RELIANCE

COMP: RELIANCE GEOLOGICAL SERVICE
PROJ: 661
ATTN: P.LERICHE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1320-RJ1
DATE: 90/09/05
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
MIM 90 A1R	2.9	22980	51	4	82	.1	7	14410	.1	19	32	39200	2870	8	14690	836	2	3270	11	1280	41	3	53	1	1	125.8	89	2	1	1	60	3
MIM 90 A2R	2.2	24130	54	3	69	.1	5	14850	.3	19	23	40170	4260	8	14550	539	2	3190	11	1200	16	1	52	1	1	121.2	66	2	2	1	45	2
MIM 90 A3R	2.9	37180	25	5	65	.1	7	20460	.1	21	29	38980	3160	7	17800	705	1	4170	14	1040	14	1	157	1	1	106.8	47	2	1	2	108	1
MIM 90 A4R	2.6	32210	33	5	50	.1	8	18030	.1	20	29	37320	2470	6	17830	703	1	3320	15	1020	12	1	110	1	1	96.8	48	2	1	2	100	5
MIM 90 A5R	3.0	32140	29	5	120	.1	9	21000	.1	24	27	45910	2800	11	24500	973	1	2900	17	1030	14	1	86	1	1	120.0	54	2	2	2	101	2
MIM 90 A6R	1.5	28880	45	1	56	.2	4	16400	.1	14	14	28740	3200	4	8790	499	3	3850	12	1090	14	1	73	1	1	96.9	42	1	2	1	103	4
MIM 90 A7R	1.6	25440	46	2	16	.1	6	11330	.1	12	20	59890	1140	8	19350	242	1	760	21	1820	14	1	29	1	1	110.1	21	2	5	3	134	6
MM 90 PR1	1.0	16320	60	4	140	.1	3	21990	.1	19	2	54780	3870	5	8550	672	2	280	35	2210	27	1	25	1	1	75.8	29	2	2	2	110	2

SAMPLE#	Cu ppm	Ag ppm	Au* ppb
MYR-1	1330	.8	20
MYR-2	34	.1	1
MYR-3	16	.1	1
MYR-4	9	.1	2
MYR-5	735	.7	8
MYR-6	205	.3	7
MYR-7	360	.4	6
MYR-8	6392	2.3	27
MYR-9	158	.3	10
STANDARD C	60	7.1	-

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: COVENANT RESOURCES LTD.

1000 - 800 W. PENDER ST.
VANCOUVER, BC
V6C 2V6

Page Number : 1
Total Pages : 1
Invoice Date: 15-AU(
Invoice No. : I-9020(
P.O. Number : NONE

Project : MME
Comments: ATTN: DOUG FORSTER CC: M. MCCLAREN

CERTIFICATE OF ANALYSIS A9020520

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Cu ppm	Ag ppm Aqua R
MS-1	255	295	15	8	< 0.2
MR-1	255	295	15	370	< 0.2
MR-2	255	295	< 5	160	< 0.2
MR-3	255	295	50	640	< 0.2
MR-4	255	295	30	66	0.2
MR-5	255	295	345	>10000	3.2
MR-5B	255	295	285	5500	6.9
MR-6	255	295	35	3100	3.0
MR-7	255	295	60	4000	1.2
MR-8A	255	295	< 5	1200	0.4
MR-8B	255	295	30	450	< 0.2
MR-8C	255	295	< 5	46	0.3
MR-9	255	295	85	1000	50.0
MR-18	255	295	15	410	1.2
MR-19	255	295	5	1000	0.9
MS-17	255	295	15	940	1.0

~ MME MTN.

988- GOLD

CERTIFICATION: Hart Bichler

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-562

241 E. 1ST. ST.
NORTH VANCOUVER, B.C.
V1S 1J9

SEPTEMBER 24, 1990

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 661
7 SILT SAMPLES RECEIVED SEPTEMBER 13, 1990

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
562 - 1	MIM 90 A 1 L	<5	<.2	3.01	54	<2	135	<5	1.00	<1	15	38	18	3.08	.03	43	1.23	608	1	.02	20	749	18	<5	<20	95	.18	<10	75	<10	7	68
562 - 2	MIM 90 A 2 L	<5	<.2	2.01	33	<2	100	<5	.95	<1	18	40	22	3.01	.09	44	1.23	641	<1	.03	28	950	13	<5	<20	98	.20	<10	85	<10	7	42
562 - 3	MIM 90 A 3 L	<5	<.2	2.10	30	<2	65	<5	1.11	<1	14	41	21	2.71	.03	39	.97	444	<1	.04	26	786	11	<5	<20	128	.29	<10	83	<10	12	32
562 - 4	90- CS 1	<5	<.2	1.73	30	<2	101	<5	1.28	<1	19	43	121	3.11	.07	47	1.25	711	1	.04	30	985	18	<5	<20	132	.16	<10	85	<10	7	60
562 - 5	MM CS 3	<5	<.2	1.71	25	<2	103	<5	1.18	<1	17	43	68	3.12	.08	45	1.23	572	2	.04	27	950	14	<5	<20	166	.17	<10	89	<10	6	51
562 - 6	MM CS 5	<5	<.2	1.76	31	3	104	<5	1.08	<1	16	55	24	3.59	.04	51	1.03	539	1	.02	25	598	11	<5	<20	151	.18	<10	113	<10	5	40
562 - 7	MM CS 6	<5	<.2	2.13	34	<2	88	<5	.92	<1	13	42	21	2.73	.05	55	.85	459	<1	.02	22	386	12	<5	<20	112	.22	<10	74	<10	22	39

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

SC90/RELIANCE

SAMPLE#	Cu ppm	Ag ppm	Au* ppb
MSS-1	47	.3	1
MSS-2	78	.2	13
MSS-3	46	.7	4
MSS-4	40	.2	2
MSS-5	29	.3	4
MSS-6	37	.3	11
MSS-7	32	.1	1
MSS-8	32	.2	1
MSS-9	40	.2	540
MSS-10	38	.1	20
STANDARD C/AU-S	63	7.1	47

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

241 E. 1ST. ST.
NORTH VANCOUVER, B.C.
V1S 1J9

SEPTEMBER 24, 1990

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 661
209 SOIL SAMPLES RECEIVED SEPTEMBER 13, 1990

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
563 - 1	MIM 90 A 1 S	5	<.2	3.60	<5	5	81	<5	.31	<1	14	31	13	3.22	.13	46	.97	304	2	.04	13	990	25	<5	<20	35	.25	<10	1	<10	3	44
563 - 2	MIM 90 A 2 S	5	<.2	4.58	<5	<2	134	<5	1.10	<1	20	53	16	3.88	.21	57	2.03	510	2	.08	19	577	23	<5	<20	192	.27	<10	45	<10	2	64
563 - 3	MIM 90 A 3 S	<5	<.2	3.94	<5	4	102	<5	1.49	<1	16	38	17	2.82	.17	48	1.23	706	3	.02	21	1471	19	<5	<20	110	.23	<10	29	<10	17	46
563 - 4	MIM 90 A 4 S	15	<.2	4.23	<5	4	108	<5	.86	<1	21	56	28	3.81	.16	62	1.70	458	3	.08	24	1041	19	<5	<20	131	.24	<10	106	<10	3	42
563 - 5	MIM 90 A 5 S	<5	<.2	4.35	<5	3	112	<5	.60	<1	18	47	19	3.56	.15	56	1.26	362	3	.07	21	2097	20	<5	<20	99	.27	<10	87	<10	3	46
563 - 6	MIM 90 A 6 S	15	<.2	3.78	<5	4	94	<5	.36	<1	14	37	14	2.94	.12	44	.90	236	2	.04	15	1836	22	<5	<20	55	.19	<10	65	<10	1	44
563 - 7	MIM 90 A 7 S	<5	<.2	3.39	<5	3	94	<5	.51	<1	14	32	12	2.70	.10	41	.90	256	1	.04	15	1170	20	<5	<20	56	.19	<10	65	<10	1	49
563 - 8	MIM 90 A 8 S	5	<.2	4.27	<5	4	107	<5	.40	<1	13	32	11	2.67	.17	41	.69	240	2	.05	12	1302	25	<5	<20	57	.27	<10	55	<10	2	36
563 - 9	MIM 90 A 9 S	5	<.2	4.25	<5	2	127	<5	.50	<1	16	41	12	3.07	.15	46	1.05	430	1	.05	14	634	24	<5	<20	81	.24	<10	71	<10	2	40
563 - 10	MIM 90 A 10 S	<5	<.2	5.17	<5	3	131	<5	.38	<1	18	49	24	3.27	.16	50	1.31	402	2	.05	18	657	28	<5	<20	88	.26	<10	89	<10	3	42
563 - 11	MIM 90 A 11 S	5	<.2	4.94	<5	4	92	<5	.17	<1	14	39	14	2.97	.16	45	.96	312	2	.04	14	862	31	<5	<20	30	.2c	<10	65	<10	6	42
563 - 12	MIM 90 A 12 S	5	<.2	3.71	<5	3	117	<5	.37	<1	13	37	14	2.62	.20	39	.95	841	2	.04	13	1147	24	<5	<20	109	.20	<10	57	<10	1	40
563 - 13	MIM 90 A 13 S	<5	<.2	5.13	<5	4	105	<5	.24	<1	15	31	16	2.59	.11	39	.82	207	1	.04	23	987	29	<5	<20	36	.15	<10	41	<10	<1	31
563 - 14	MIM 90 A 14 S	5	<.2	4.47	<5	<2	102	<5	.49	<1	17	38	15	2.80	.12	44	1.05	484	1	.04	27	815	26	<5	<20	59	.16	<10	54	<10	<1	40
563 - 15	MIM 90 A 15 S	<5	<.2	4.12	<5	3	117	<5	.27	<1	17	31	17	2.76	.11	42	.86	651	2	.03	22	1213	25	<5	<20	45	.19	<10	51	<10	<1	41
563 - 16	MIM 90 A 16 S	<5	<.2	2.90	<5	<2	98	<5	.67	<1	13	33	28	2.73	.10	58	.82	388	<1	.03	18	395	21	<5	<20	66	.15	<10	66	<10	9	32
563 - 17	MIM 90 A 17 S	<5	<.2	4.07	<5	<2	139	<5	.55	<1	16	45	17	2.99	.14	46	.97	249	1	.03	28	653	26	<5	<20	51	.19	<10	67	<10	<1	41
563 - 18	MIM 90 A 18 S	<5	<.2	2.85	<5	<2	102	<5	.64	<1	14	51	28	2.77	.09	48	.94	482	2	.03	24	397	21	<5	<20	56	.17	<10	73	<10	3	40
563 - 19	MIM 90 A 19 S	<5	<.2	2.17	<5	<2	78	<5	.48	<1	12	43	12	2.33	.09	40	.75	512	<1	.03	18	441	17	<5	<20	45	.18	<10	64	<10	4	34
563 - 20	MIM 90 A 20 S	5	<.2	2.68	<5	<2	81	<5	.55	<1	15	56	16	2.99	.11	50	.98	343	2	.03	24	441	21	<5	<20	46	.20	<10	81	<10	3	40
563 - 21	MIM 90 A 20 ROAD 80	<5	<.2	2.89	<5	<2	91	<5	.64	<1	14	45	15	2.73	.10	43	.71	402	1	.04	19	623	19	<5	<20	81	.28	<10	75	<10	6	44
563 - 22	MIM 90 A 21 S	<5	<.2	3.57	<5	<2	168	<5	.59	<1	18	52	28	3.42	.12	55	1.16	401	2	.04	29	743	28	<5	<20	64	.23	<10	86	<10	2	47
563 - 23	MIM 90 A 21 ROAD 100	<5	<.2	2.44	<5	<2	82	<5	.68	<1	13	43	16	2.79	.10	43	.70	343	1	.05	16	457	16	<5	<20	109	.31	<10	91	<10	7	37
563 - 24	MIM 90 A 22 S	<5	<.2	3.99	<5	2	139	<5	.38	<1	12	32	13	3.41	.16	39	.65	412	2	.02	15	1088	22	<5	<20	55	.19	<10	55	<10	<1	42
563 - 25	MIM 90 A 22A ROAD 200	<5	<.2	3.40	<5	<2	79	<5	.84	<1	15	54	16	3.10	.13	50	1.03	323	1	.06	18	305	26	<5	<20	43	.31	<10	80	<10	9	55
563 - 26	MIM 90 A 23 S	<5	<.2	2.64	<5	<2	80	<5	.63	<1	11	30	12	2.29	.10	36	.53	326	<1	.04	13	382	17	<5	<20	69	.24	<10	58	<10	5	43

ECO-TECH LABORATORIES LTD. RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

PAGE 2

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
563 - 27	MIM 90 A 24	S	<5	<.2	3.36	<5	3	85	<5	.50	<1	13	35	18	2.57	.12	40	.71	291	2	.03	18	819	22	<5	20	69	.24	<10	67	<10	4	40
563 - 28	MIM 90 A 25	S	5	<.2	4.02	<5	2	103	<5	.58	<1	14	42	24	2.79	.12	43	.91	248	2	.03	21	632	23	<5	<20	95	.22	<10	64	<10	1	35
563 - 29	MIM 90 A 26	S	<5	<.2	3.72	<5	2	89	<5	.63	<1	13	38	16	2.64	.23	41	.84	312	2	.03	23	1326	22	<5	<20	72	.21	<10	60	<10	2	45
563 - 30	MIM 90 A 27	S	5	<.2	2.27	<5	<2	78	<5	.97	<1	14	39	20	2.88	.16	49	.90	390	1	.07	19	573	13	<5	<20	143	.29	<10	89	<10	8	34
563 - 31	MIM 90 A 28	S	<5	<.2	2.44	<5	<2	85	<5	.56	<1	10	26	11	1.93	.10	30	.41	590	1	.04	11	2241	18	<5	<20	49	.18	<10	41	<10	3	54
563 - 32	MIM 90 A 29	S	<5	<.2	3.50	<5	2	92	<5	.63	<1	15	47	17	2.95	.13	45	.84	328	1	.04	23	652	21	<5	<20	95	.25	<10	73	<10	2	34
563 - 33	MIM 90 A 30	S	<5	<.2	4.55	<5	<2	109	<5	.92	<1	16	47	21	3.13	.24	52	1.09	391	1	.04	26	907	24	<5	<20	151	.21	<10	78	<10	1	30
563 - 34	MIM 90 A 31	S	<5	<.2	4.38	<5	<2	102	<5	.73	<1	16	47	19	3.20	.19	52	1.00	295	2	.04	27	606	25	<5	<20	111	.24	<10	74	<10	1	37
563 - 35	MIM 90 A 32	S	<5	<.2	4.06	<5	<2	120	<5	.75	<1	16	46	21	3.26	.12	53	1.02	410	1	.04	21	515	22	<5	<20	140	.30	<10	87	<10	5	37
563 - 36	MIM 90 A 33	S	<5	<.2	3.63	<5	<2	96	<5	.47	<1	13	33	13	2.44	.13	38	.65	354	<1	.03	18	768	20	<5	<20	57	.09	<10	54	<10	3	36
563 - 37	MIM 90 A 34	S	5	<.2	3.32	<5	<2	100	<5	.54	<1	13	36	15	2.57	.12	40	.70	672	<1	.03	18	848	20	<5	<20	1	.24	<10	63	<10	3	41
563 - 38	MIM 90 A 35	S	<5	<.2	3.09	<5	<2	84	<5	.89	<1	16	43	21	3.09	.12	55	1.11	391	1	.06	22	728	18	<5	<20	144	.27	<10	63	<10	8	34
563 - 39	L9+500N 9+ 350	E	5	<.2	2.08	<5	<2	96	<5	1.09	<1	17	44	36	3.08	.12	56	1.14	565	2	.06	23	865	20	<5	<20	123	.22	<10	69	<10	1	49
563 - 40	L9+500N 9+ 400	E	<5	<.2	2.45	<5	3	230	<5	.87	<1	15	45	25	2.94	.23	52	.99	594	1	.02	17	1433	19	<5	<20	99	.10	<10	48	<10	1	80
563 - 41	L9+500N 9+ 450	E	<5	<.2	2.30	<5	<2	304	<5	.72	<1	13	33	20	2.32	.16	44	.74	431	<1	.03	15	1920	20	<5	<20	51	.11	<10	49	<10	3	84
563 - 42	L9+500N 9+ 500	E	<5	<.2	2.08	<5	2	219	<5	.83	<1	15	43	15	2.60	.21	44	.82	869	1	.02	17	986	18	<5	<20	55	.11	<10	57	<10	<1	55
563 - 43	L9+500N 9+ 550	E	<5	<.2	2.22	<5	<2	136	<5	.70	<1	18	61	20	3.25	.19	58	.96	784	2	.03	26	352	24	5	20	62	.16	<10	72	<10	1	46
563 - 44	L9+500N 9+ 600	E	5	<.2	1.25	<5	<2	124	<5	.55	<1	9	28	8	1.74	.10	27	.45	1290	1	.03	8	513	11	<5	<20	39	.11	<10	45	<10	1	36
563 - 45	L9+500N 9+ 650	E	<5	.2	2.33	<5	3	148	<5	.72	<1	15	62	18	2.56	.20	42	.86	928	2	.03	22	942	17	<5	<20	70	.13	<10	69	<10	1	50
563 - 46	L9+500N 9+ 700	E	5	<.2	2.28	<5	<2	143	<5	.60	<1	15	70	18	2.87	.19	48	.87	807	1	.03	23	837	19	<5	<20	51	.18	<10	72	<10	<1	57
563 - 47	L9+500N 9+ 750	E	5	.3	2.46	<5	2	126	9	.92	<1	14	47	17	3.41	.24	45	.75	580	1	.03	20	716	13	<5	<20	87	.20	<10	73	<10	3	46
563 - 48	L9+500N 9+ 850	E	<5	.2	2.38	<5	3	95	<5	.97	<1	11	45	18	3.44	.16	48	.69	360	2	.05	16	286	12	<5	<20	122	.20	<10	67	<10	4	30
563 - 49	L9+500N 9+ 900	E	<5	<.2	2.19	<5	2	86	<5	.83	<1	13	47	19	3.71	.23	49	.81	508	2	.06	20	392	10	<5	<20	109	.27	<10	80	<10	4	44
563 - 50	L9+500N 9+ 950	E	<5	<.2	2.43	<5	<2	76	5	.83	<1	13	49	21	3.67	.18	51	.79	397	2	.07	20	279	9	<5	<20	120	.29	<10	60	<10	2	43
563 - 51	9+500N 11+ 000	E	<5	<.2	2.22	<5	<2	69	6	.72	<1	11	47	13	3.37	.14	41	.58	297	1	.06	17	335	9	<5	<20	108	.32	10	73	<10	6	32
563 - 52	9+500N 11+ 050	E	<5	<.2	1.90	<5	<2	70	8	.69	<1	10	42	13	3.22	.11	39	.47	269	1	.05	12	293	9	<5	<20	116	.32	<10	51	<10	6	29
563 - 53	9+500N 11+ 100	E	<5	<.2	2.14	<5	<2	74	<5	.55	<1	9	38	10	2.90	.11	36	.44	314	1	.04	12	298	11	<5	<20	78	.29	<10	65	<10	5	30
563 - 54	9+500N 11+ 150	E	<5	<.2	2.47	<5	3	76	7	.50	<1	9	36	10	2.81	.12	36	.46	392	2	.03	16	504	12	<5	<20	58	.24	10	60	<10	3	42
563 - 55	9+500N 11+ 200	E	<5	<.2	5.57	<5	<2	141	<5	.42	<1	16	57	21	3.95	.12	52	.92	671	2	.02	29	967	24	<5	<20	57	.22	<10	65	<10	<1	63
563 - 56	9+500N 11+ 250	E	<5	<.2	2.86	<5	<2	74	<5	.53	<1	9	42	10	2.95	.12	37	.62	345	2	.03	13	363	12	<5	<20	65	.22	10	60	<10	2	41
563 - 57	9+500N 11+ 300	E	<5	<.2	2.70	<5	3	85	<5	.52	<1	10	43	11	3.05	.09	39	.60	398	2	.03	14	627	9	<5	<20	65	.23	<10	56	<10	1	44
563 - 58	9+500N 11+ 350	E	<5	<.2	5.45	<5	3	76	<5	.52	<1	19	66	21	4.44	.11	62	1.43	657	2	.05	23	695	13	<5	<20	71	.29	10	90	<10	3	53
563 - 59	9+500N 11+ 400	E	<5	<.2	4.05	<5	2	74	8	.87	<1	14	63	14	3.58	.15	51	1.19	397	1	.03	17	426	11	<5	<20	100	.29	10	82	10	2	49
563 - 60	9+500N 11+ 450	E	<5	<.2	3.79	<5	3	73		68	<1	11	46	11	3.07	10	39	.63	500	2	.04	15	435	14	<5	<20	78	.24	10	63	10	2	41
563 - 61	9+500N 11+ 500	E	<5	.2	4.20	<5	2	66	<5	.68	<1	15	72	13	3.41	.20	47	1.01	1629	2	.03	15	1495	19	<5	<20	90	.20	10	81	10	4	72
563 - 62	9+500N 11+ 550	E	5	<.2	2.96	<5	<2	71	<5	.45	<1	10	40	10	2.86	.09	37	.61	380	2	.03	16	561	15	<5	<20	54	.24	10	56	<10	3	54
563 - 63	9+500N 10+ 350	E	<5	<.2	2.44	<5	4	71	<5	1.10	<1	14	43	23	3.55	.31	52	.91	651	1	.04	19	650	11	5	<20	149	.24	<10	80	10	5	44

ECO-TECH LABORATORIES LTD.

RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SP	TI(%)	U	V	W	Y	ZN
563 - 84	9+600N 10+ 400	E	<5	<.2	2.07	<5	2	122	<5	.69	<1	11	44	14	3.54	.18	47	.72	420	2	.04	16	499	13	<5	<20	88	.21	<10	76	<10	<1	50
563 - 85	9+600N 10+ 450	E	<5	.3	3.74	<5	<2	170	<5	.80	<1	21	37	38	4.39	.26	62	.84	900	2	.02	21	608	39	<5	<20	239	.16	<10	68	<10	<1	137
563 - 86	9+600N 10+ 500	E	5	.5	2.75	<5	3	175	<5	.57	<1	14	50	29	4.04	.19	61	1.01	391	2	.03	18	480	17	<5	<20	66	.10	<10	75	<10	<1	56
563 - 87	9+600N 10+ 550	E	<5	.6	2.44	<5	<2	159	<5	1.11	<1	12	49	28	3.34	.14	57	.96	579	1	.02	16	985	12	<5	<20	84	.10	<10	62	<10	3	45
563 - 88	9+600N 10+ 600	E	10	.3	2.70	<5	<2	164	<5	.62	<1	13	51	29	3.73	.21	53	.97	555	2	.04	17	514	15	<5	<20	126	.17	<10	73	<10	<1	46
563 - 89	9+600N 10+ 650	E	10	.7	2.89	<5	2	165	<5	.77	<1	15	55	29	3.93	.25	57	1.07	939	3	.02	27	989	27	<5	<20	64	.13	<10	87	<10	<1	62
563 - 70	9+600N 10+ 700	E	<5	.8	2.57	<5	<2	348	<5	.99	<1	14	52	23	3.15	.19	47	.80	1861	2	.01	21	1682	19	<5	<20	81	.10	<10	53	<10	<1	80
563 - 71	9+600N 10+ 750	E	<5	<.2	2.66	<5	<2	155	<5	.72	<1	14	61	18	3.69	.19	51	.88	849	3	.03	24	619	15	<5	<20	70	.18	<10	71	<10	<1	57
563 - 72	9+600N 10+ 800	E	<5	<.2	2.53	<5	2	117	<5	.79	<1	12	44	17	3.29	.17	46	.69	656	2	.03	20	981	10	<5	<20	105	.14	<10	66	<10	1	41
563 - 73	9+600N 10+ 850	E	5	<.2	2.39	<5	<2	91	<5	.81	<1	10	41	13	3.00	.09	42	.58	332	1	.03	15	266	12	<5	<20	87	.17	<10	61	<10	<1	30
563 - 74	9+600N 10+ 900	E	<5	<.2	2.19	<5	<2	63	<5	.79	<1	12	47	17	3.26	.13	45	.76	414	1	.05	16	362	10	<5	<20	122	.16	<10	77	<10	5	42
563 - 75	9+600N 10+ 950	E	10	<.2	1.81	<5	2	75	<5	.60	<1	10	40	12	2.96	.11	38	.52	430	1	.05	14	386	9	<5	<20	61	.14	<10	51	<10	4	46
563 - 76	9+600N 11+ 00	E	5	<.2	2.61	<5	<2	71	<5	.81	<1	14	52	21	3.74	.17	55	.81	351	2	.04	24	509	12	<5	<20	100	.28	<10	83	<10	3	36
563 - 77	9+600N 11+ 50	E	10	<.2	2.11	<5	2	65	6	.57	<1	9	38	12	2.88	.09	39	.49	243	1	.05	13	312	11	5	<20	76	.16	<10	65	<10	5	42
563 - 78	9+600N 11+ 100	E	25	<.2	2.76	<5	3	75	<5	.57	<1	11	43	13	3.23	.08	43	.58	346	2	.04	19	435	13	5	<20	63	.17	<10	72	<10	4	45
563 - 79	9+600N 11+ 150	E	10	<.2	2.77	<5	2	70	<5	.44	<1	10	36	11	2.73	.07	36	.51	339	2	.03	15	349	15	<5	<20	50	.24	<10	56	<10	4	60
563 - 80	9+600N 11+ 200	E	10	<.2	3.60	<5	<2	99	<5	.38	<1	11	37	12	2.91	.11	38	.59	729	5	.02	20	575	17	5	<20	40	.18	<10	62	10	<1	68
563 - 81	9+600N 11+ 250	E	15	<.2	5.84	<5	<2	103	7	.34	<1	17	69	20	4.38	.12	62	.97	1043	3	.02	36	609	25	5	<20	51	.24	<10	81	10	1	56
563 - 82	9+600N 11+ 300	E	10	<.2	3.41	<5	<2	81	<5	.52	<1	9	37	12	2.45	.07	40	.67	819	2	.02	15	416	17	5	<20	54	.15	<10	42	<10	5	44
563 - 83	9+600N 11+ 350	E	<5	<.2	3.19	<5	2	71	<5	.65	<1	12	49	12	2.98	.15	49	.85	589	3	.02	15	565	14	5	<20	60	.20	<10	59	10	3	36
563 - 84	9+600N 11+ 400	E	10	<.2	5.15	<5	2	110	6	.70	<1	18	74	18	4.41	.15	63	1.28	648	3	.03	24	512	22	5	<20	117	.20	<10	84	10	4	52
563 - 85	9+600N 11+ 450	E	5	<.2	5.29	<5	<2	86	<5	.80	<1	17	69	15	3.96	.16	56	1.33	548	2	.02	20	670	21	<5	<20	109	.28	<10	70	<10	3	48
563 - 86	9+600N 11+ 500	E	10	<.2	5.35	<5	2	97	<5	.62	<1	16	60	16	3.82	.14	52	.96	675	2	.02	23	931	29	<5	<20	81	.26	<10	67	<10	2	59
563 - 87	9+600N 11+ 550	E	10	<.2	4.66	<5	2	93	<5	.59	<1	12	58	15	3.59	.09	47	.92	447	2	.03	33	459	21	5	<20	74	.39	<10	63	<10	3	52
563 - 88	9+700N 10+ 200	E	<5	<.2	2.38	<5	<2	92	<5	1.33	<1	16	50	47	3.89	.13	69	1.26	613	2	.09	25	905	15	5	<20	145	.22	<10	90	10	6	46
563 - 89	9+700N 10+ 250	E	<5	<.2	2.91	<5	<2	91	<5	1.25	<1	20	51	111	4.50	.20	69	1.56	689	2	.08	31	964	17	<5	<20	14	.22	<10	99	10	5	49
563 - 90	9+700N 10+ 300	E	<5	.3	2.62	<5	<2	88	<5	1.07	<1	17	48	56	4.10	.14	63	1.29	598	2	.06	26	812	22	5	<20	133	.20	<10	80	10	5	45
563 - 91	9+700N 10+ 350	E	<5	.4	3.69	<5	<2	85	<5	.93	<1	15	43	34	3.47	.30	50	.90	504	2	.03	23	975	11	5	<20	107	.17	<10	61	<10	3	36
563 - 92	9+700N 10+ 400	E	<5	<.2	2.83	<5	<2	77	<5	.85	<1	20	55	37	4.50	.20	65	1.15	570	3	.05	26	541	11	<5	<20	129	.34	<10	93	10	4	63
563 - 93	9+700N 10+ 450	E	10	.3	3.26	<5	2	91	8	.84	<1	22	55	39	4.79	.21	65	1.17	640	2	.04	29	760	18	<5	<20	101	.20	<10	84	<10	4	59
563 - 94	9+700N 10+ 500	E	<5	.4	2.54	<5	2	330	<5	1.01	<1	17	45	23	3.66	.11	52	1.00	723	1	.02	17	1313	17	<5	<20	54	.37	<10	57	10	1	62
563 - 95	9+700N 10+ 550	E	<5	.6	3.70	<5	<2	324	<5	.80	<1	19	67	51	6.68	.26	97	1.71	958	1	.01	32	762	36	<5	<20	23	.03	<10	113	10	<1	71
563 - 96	9+700N 10+ 600	E	<5	.4	3.53	<5	<2	124	<5	.41	<1	18	48	32	4.18	.16	79	.95	557	1	.01	25	878	14	<5	<20	20	.03	<10	75	<10	1	74
563 - 97	9+700N 10+ 650	E	<5	<.2	4.78	<5	<2	123	<5	.49	<1	20	61	30	5.63	.18	75	1.20	644	1	.02	29	1163	22	<5	<20	49	.21	<10	98	<10	1	69
563 - 98	9+700N 10+ 700	E	10	.6	3.95	<5	2	160	<5	.65	<1	15	54	22	5.96	.16	76	1.16	1109	2	.02	30	670	26	<5	<20	68	.16	<10	93	10	1	62
563 - 99	9+700N 10+ 750	E	<5	.2	3.19	<5	<2	224	<5	.97	<1	16	49	20	4.35	.23	56	.93	1021	1	.01	37	1212	17	<5	<20	90	.18	<10	64	<10	1	74
563 -100	9+700N 10+ 800	E	<5	.6	2.77	<5	<2	148	<5	1.65	<1	11	32	39	3.22	.12	70	.69	736	1	.01	28	518	17	<5	<20	117	.34	<10	49	<10	1	48

ECO-TECH LABORATORIES LTD. RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

PAGE 4

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SP	TI(%)	U	V	W	Y	ZN
563	-101	L9+700N 10+ 850	E	<5	.3	3.13	<5	<2	123	<5	1.48	<1	12	41	27	3.67	.10	58	.70	507	2	.03	18	283	13	<5	<20	97	.17	<10	57	<10	8	33
563	-102	L9+700N 10+ 900	E	25	<.2	2.75	<5	<2	66	<5	.65	<1	11	44	12	3.27	.18	40	.67	311	<1	.03	19	640	12	<5	<20	74	.21	<10	60	<10	1	30
563	-103	L9+700N 10+ 950	E	<5	<.2	3.40	<5	2	85	6	.50	<1	11	45	11	3.54	.11	42	.66	355	2	.03	22	743	17	<5	<20	64	.23	<10	62	<10	<1	40
563	-104	L9+700N 11+ 00	E	<5	<.2	2.45	<5	<2	91	<5	.53	<1	10	42	12	3.32	.10	39	.51	460	1	.03	16	639	12	<5	<20	69	.27	13	70	<10	3	47
563	-105	L9+700N 11+ 50	E	<5	<.2	3.09	<5	<2	72	<5	.54	<1	12	47	14	3.61	.07	45	.69	305	1	.03	20	300	15	<5	<20	65	.27	<10	73	<10	4	47
563	-106	L9+700N 11+ 100	E	<5	<.2	2.55	<5	3	60	<5	.35	<1	11	37	9	2.98	.09	36	.47	376	<1	.03	16	559	12	<5	<20	40	.21	<10	55	<10	1	54
563	-107	L9+700N 11+ 150	E	<5	<.2	3.03	<5	3	84	<5	.60	<1	12	49	16	4.00	.08	48	.77	341	2	.04	21	462	14	<5	<20	80	.28	<10	83	<10	3	52
563	-108	L9+700N 11+ 200	E	5	<.2	3.46	<5	2	78	<5	.68	<1	12	44	16	3.77	.09	49	.73	231	1	.04	19	408	15	<5	<20	63	.21	10	65	10	2	32
563	-109	L9+700N 11+ 250	E	<5	<.2	4.02	<5	<2	127	5	.57	<1	13	54	15	4.09	.13	49	.92	713	2	.02	22	550	17	<5	<20	62	.22	10	70	10	<1	53
563	-110	L9+700N 11+ 300	E	<5	<.2	5.56	<5	4	102	<5	.56	<1	17	73	17	4.57	.19	56	1.23	1079	2	.02	27	845	21	<5	<20	78	.28	<10	77	<10	<1	69
563	-111	L9+700N 11+ 350	E	<5	<.2	6.34	<5	2	119	5	.52	<1	17	68	17	4.57	.16	56	1.12	832	2	.02	26	826	23	<5	<20	62	.27	10	91	10	1	72
563	-112	L9+700N 11+ 400	E	<5	<.2	5.90	<5	2	120	<5	.60	<1	18	69	21	4.93	.13	62	1.11	539	2	.03	31	648	20	<5	<20	85	.28	<10	83	10	1	49
563	-113	L9+700N 11+ 450	E	<5	<.2	6.64	<5	5	77	<5	.47	<1	17	72	21	4.77	.12	60	1.29	392	2	.03	25	1085	23	<5	<20	69	.30	10	75	10	4	52
563	-114	L9+700N 11+ 500	E	5	<.2	4.94	<5	3	108	<5	.47	<1	14	50	19	3.90	.13	47	.80	463	1	.03	27	1151	19	<5	<20	75	.22	10	65	10	<1	53
563	-115	L9+700N 11+ 550	E	10	<.2	2.83	<5	4	54	<5	.58	<1	9	42	13	3.03	.06	38	.59	427	<1	.04	13	216	13	<5	<20	54	.22	<10	59	<10	5	37
563	-116	L9+800N 10+ 50	E	20	<.2	3.22	<5	3	74	<5	1.39	<1	20	59	37	4.85	.27	66	1.74	679	1	.09	37	946	11	<5	<20	162	.27	<10	92	<10	8	45
563	-117	L9+800N 10+ 100	E	15	.5	2.47	<5	3	102	<5	.58	<1	12	26	757	4.00	.17	50	.87	618	1	.03	16	450	13	<5	<20	104	.15	<10	74	<10	<1	55
563	-118	L9+800N 10+ 150	E	5	<.2	2.49	<5	3	92	<5	.76	<1	17	53	74	4.37	.25	58	1.02	607	1	.06	23	345	16	<5	<20	111	.24	10	86	<10	4	41
563	-119	L9+800N 10+ 200	E	10	<.2	3.00	<5	4	99	<5	.86	<1	14	46	39	3.80	.20	53	.85	698	1	.04	21	677	17	<5	<20	76	.17	10	68	10	3	57
563	120	L9+800N 10+ 250	E	<5	.3	2.75	<5	4	89	<5	.73	<1	18	26	18	2.93	.13	36	.55	895	<1	.03	16	2704	16	5	<20	91	.13	11	42	10	<1	93
563	-121	L9+800N 10+ 400	E	990	4	4.49	<5	<2	86	<5	.91	<1	26	48	44	5.82	.15	73	1.44	689	2	.03	24	760	23	<5	<20	232	.14	<10	81	<10	<1	77
563	122	L9+800N 10+ 450	E	<5	.6	4.35	<5	<2	115	<5	.67	<1	24	53	39	6.79	.20	85	1.70	683	3	.03	24	1030	25	<5	<20	203	.09	<10	89	<10	<1	68
563	-123	L9+800N 10+ 500	E	<5	.3	4.60	<5	3	188	<5	.77	<1	18	54	33	4.68	.16	70	1.07	787	2	.02	25	715	27	<5	<20	46	.13	<10	73	<10	4	65
563	-124	L9+800N 10+ 550	E	<5	<.2	4.62	<5	3	298	<5	.60	<1	16	55	35	4.60	.15	56	1.09	2264	2	.02	21	1835	23	<5	<20	45	.10	<10	75	<10	<1	92
563	-125	L9+800N 10+ 600	E	<5	<.2	3.94	<5	4	175	<5	.54	<1	20	56	33	5.78	.21	77	1.04	1285	2	.02	27	1151	21	<5	<20	35	.07	<10	79	<10	<1	91
563	126	L9+800N 10+ 650	E	<5	.7	3.86	<5	5	205	<5	.58	<1	21	65	38	5.74	.21	82	1.16	1100	2	.02	26	673	26	<5	<20	38	.10	<10	83	<10	<1	80
563	-127	L9+800N 10+ 700	E	<5	<.2	4.38	<5	4	354	6	.86	<1	24	66	41	5.23	.20	86	1.28	1652	3	.03	29	957	22	<5	<20	55	.14	<10	84	<10	4	73
563	128	L9+800N 10+ 750	E	<5	.4	3.31	<5	<2	213	<5	1.34	<1	16	36	39	4.07	.20	72	.93	1141	2	.01	18	631	25	<5	<20	76	.06	10	59	10	4	54
563	-129	L9+800N 10+ 800	E	<5	<.2	2.93	<5	3	117	<5	1.01	<1	12	34	23	3.34	.16	57	.66	474	2	.03	16	341	13	<5	<20	65	.15	<10	62	10	2	36
563	-130	L9+800N 10+ 850	E	<5	<.2	2.71	<5	3	108	7	.69	<1	12	37	18	3.31	.17	44	.62	935	1	.04	13	467	12	<5	<20	68	.24	<10	69	10	1	33
563	-131	L9+800N 10+ 900	E	<5	.3	3.67	<5	5	85	<5	.61	<1	12	46	15	3.80	.18	47	.77	405	<1	.04	24	1229	15	<5	<20	61	.20	11	65	10	1	47
563	132	L9+800N 10+ 950	E	<5	.7	5.62	<5	<2	130	<5	1.54	<1	15	61	43	4.31	.14	86	1.23	639	1	.03	33	627	19	<5	<20	122	.15	10	55	<10	<1	37
563	-133	L9+800N 11+ 000	E	<5	<.2	3.33	<5	4	71	<5	.39	<1	11	36	11	2.99	.09	37	.60	346	<1	.03	19	613	16	<5	<20	46	.21	10	49	10	1	55
563	134	L9+800N 11+ 50	E	<5	<.2	3.56	<5	3	80	<5	.49	<1	11	43	14	3.23	.08	40	.73	265	<1	.04	22	761	17	<5	<20	60	.23	10	56	10	3	51
563	-135	L9+800N 11+ 100	E	5	<.2	3.48	<5	5	90	<5	.64	<1	13	53	18	4.27	.10	52	.81	327	2	.04	22	532	15	<5	<20	61	.30	10	67	10	2	46
563	136	L9+800N 11+ 150	E	5	<.2	2.95	<5	6	60	7	.45	<1	10	49	11	2.97	.07	36	.59	511	1	.04	16	334	13	<5	<20	59	.21	<10	56	10	1	47

ECO-TECH LABORATORIES LTD. RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
563 -137	L9+800N 11+200	E	30	<.2	3.45	<5	4	99	<5	.56	<1	13	52	16	4.17	.11	50	.80	325	2	.03	22	461	16	<5	<20	70	.28	<10	63	<10	2	69
563 -138	L9+800N 11+250	E	<5	<.2	4.57	<5	3	137	<5	.60	<1	16	74	20	4.97	.17	61	1.26	531	2	.03	26	584	17	<5	<20	62	.21	<10	86	<10	<1	55
563 -139	L9+800N 11+300	E	<5	<.2	7.00	<5	6	114	15	.60	<1	21	73	21	4.86	.14	61	1.08	452	2	.03	32	647	20	<5	<20	65	.31	<10	80	<10	2	60
563 -140	L9+800N 11+350	E	5	<.2	6.88	<5	3	110	8	.40	<1	13	54	22	2.88	.09	37	.77	144	1	.03	27	687	22	<5	<20	44	.23	<10	36	<10	4	33
563 -141	L9+800N 11+400	E	<5	<.2	7.22	<5	6	119	<5	.55	<1	17	68	20	4.55	.19	57	1.08	1093	2	.02	30	1066	20	<5	<20	62	.28	<10	71	<10	<1	66
563 -142	L9+800N 11+450	E	<5	<.2	5.65	<5	4	102	<5	.65	<1	15	59	18	3.87	.14	49	.96	1044	2	.02	24	893	18	<5	<20	76	.25	<10	65	<10	1	62
563 -143	L9+800N 11+500	E	<5	<.2	3.96	<5	5	71	10	.50	<1	12	44	13	3.19	.11	39	.72	509	<1	.03	18	461	14	<5	<20	52	.29	<10	56	<10	3	49
563 -144	L9+800N 11+550	E	<5	<.2	5.01	<5	5	80	7	.75	<1	13	42	13	3.19	.19	40	1.07	580	1	.03	15	1116	14	<5	<20	134	.26	<10	53	<10	4	63
563 -145	L9+900N 10+ 00	E	<5	.7	3.65	<5	<2	150	<5	1.75	2	16	49	59	3.83	.14	61	.97	1697	3	.03	27	996	36	5	<20	113	.12	<10	71	<10	7	77
563 -146	L9+900N 10+ 50	E	15	<.2	3.27	<5	5	157	<5	.66	<1	17	51	26	4.31	.27	58	.90	791	2	.04	22	537	19	<5	<20	42	.23	<10	79	<10	1	99
563 -147	L9+900N 10+100	E	5	<.2	3.07	<5	5	137	<5	.57	<1	15	48	20	4.15	.26	54	.90	641	2	.03	27	818	24	<5	<20	54	.21	<10	72	<10	<1	97
563 -148	L9+900N 10+150	E	20	<.2	3.94	<5	4	171	<5	.70	<1	18	57	40	4.94	.23	68	1.16	733	2	.03	27	887	39	<5	<20	78	.30	<10	82	<10	1	79
563 -149	L9+900N 10+200	E	<5	<.2	3.73	<5	4	113	5	.84	<1	19	52	62	4.48	.25	63	1.07	827	3	.03	26	624	31	<5	<20	98	.20	<10	[illegible]	<10	3	81
563 -150	L9+900N 10+250	E	<5	.2	3.58	<5	3	102	<5	.65	<1	17	53	116	4.63	.23	61	1.15	618	4	.03	25	487	15	<5	<20	120	.15	<10	83	<10	<1	53
563 -151	L9+900N 10+300	F	<5	<.2	4.47	<5	<2	107	<5	1.11	<1	21	52	232	5.89	.23	95	1.57	482	4	.04	28	1037	11	<5	<20	248	.17	<10	113	<10	<1	43
563 -152	L9+900N 10+350	E	25	<.2	2.82	<5	3	108	7	.68	<1	15	49	26	3.81	.21	50	.86	706	2	.04	22	914	13	<5	<20	87	.18	<10	72	<10	1	49
563 -153	L9+900N 10+400	F	<5	<.2	3.62	<5	5	124	<5	.89	<1	18	48	27	4.17	.28	57	1.06	838	2	.02	28	852	19	<5	<20	79	.17	<10	79	<10	<1	73
563 -154	L9+900N 10+450	F	<5	.2	4.13	<5	4	83	<5	.77	<1	17	54	50	4.68	.11	62	1.10	700	2	.03	30	683	18	<5	<20	77	.17	<10	40	<10	<1	103
563 -155	L9+900N 10+500	F	5	<.2	5.68	<5	2	145	<5	.58	<1	19	54	20	4.54	.15	67	1.19	1139	2	.02	32	578	15	<5	<20	50	.18	<10	[illegible]	<10	4	73
563 -156	L9+900N 10+550	E	10	.5	2.38	<5	3	104	<5	.59	1	12	47	15	2.34	.12	43	.82	500	<1	.02	17	391	16	<5	<20	33	.07	<10	72	<10	<1	45
563 -157	L9+900N 10+600	E	5	.3	5.19	<5	2	231	<5	.63	<1	16	59	27	4.73	.18	62	1.19	1054	2	.01	27	1169	24	<5	<20	34	.12	<10	74	<10	<1	78
563 -158	L9+900N 10+650	E	<5	<.2	4.64	<5	3	162	<5	.60	<1	19	61	9	4.89	.11	63	1.98	899	2	<.01	24	407	14	<5	<20	27	.14	<10	90	<10	<1	71
563 -159	L9+900N 10+700	F	<5	.3	5.01	<5	6	216	<5	.72	<1	17	55	21	4.43	.24	57	1.08	1302	2	.02	27	1179	17	<5	<20	40	.15	<10	[illegible]	<10	<1	76
563 -160	L9+900N 10+750	F	<5	<.2	4.70	<5	4	266	<5	.70	<1	18	57	26	4.69	.23	66	1.09	1393	2	.03	31	1146	16	<5	<20	57	.16	<10	[illegible]	<10	1	65
563 -161	L9+900N 10+750	F1	<5	<.2	5.06	<5	3	228	<5	.74	<1	19	62	28	4.71	.21	74	1.25	977	2	.03	30	663	17	<5	<20	57	.17	<10	83	<10	[illegible]	50
563 -162	L9+900N 10+800	E	<5	<.2	4.32	<5	4	173	<5	.77	<1	14	46	21	3.88	.15	58	.81	564	<1	.04	25	714	14	<5	<20	62	.13	<10	[illegible]	<10	5	43
563 -163	L9+900N 10+850	E	5	<.2	3.29	<5	3	92	7	1.13	<1	11	39	16	3.29	.14	49	.64	507	1	.03	17	367	14	<5	[illegible]	6	.18	<10	[illegible]	<10	5	39
563 -164	L9+900N 10+900	E	5	<.2	3.40	<5	5	79	<5	.55	1	11	41	14	3.25	.12	43	.55	649	1	.03	19	886	17	<5	<20	51	.22	<10	62	<10	3	56
563 -165	L9+900N 10+950	E	5	<.2	3.27	<5	6	77	5	.70	1	11	41	15	3.25	.15	42	.59	389	1	.03	19	701	11	<5	<20	67	.22	<10	63	<10	4	42
563 -166	L9+900N 11+000	E	5	.7	6.55	<5	<2	161	5	1.56	<1	15	59	35	4.20	.18	84	1.31	736	2	.02	47	734	16	<5	<20	114	.17	<10	[illegible]	10	26	54
563 -167	L9+900N 11+ 50	E	5	<.2	3.39	<5	4	66	5	.48	1	11	42	14	3.24	.08	37	.66	257	1	.04	14	332	15	<5	[illegible]	56	.20	<10	[illegible]	<10	2	46
563 -168	L9+900N 11+100	[illegible]	<5	<.2	4.11	<5	4	130	6	.66	<1	15	57	19	4.14	.11	53	.99	288	1	.05	15	601	13	<5	<20	99	.19	<10	[illegible]	10	4	46
563 -169	L9+900N 11+150	[illegible]	5	<.2	3.99	<5	4	109	<5	.50	1	13	44	14	3.55	.16	43	.69	381	1	.03	18	1152	17	<5	<20	53	.20	<10	[illegible]	12	1	35
563 -170	L9+900N 11+200	[illegible]	5	<.2	3.73	<5	5	94	4	.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.07	[illegible]	[illegible]	[illegible]	1	.04	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	33

ECO-TECH LABORATORIES LTD. RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
563	-171	L9+900N 11+ 250	E	<5	<.2	6.76	<5	4	170	5	.52	<1	16	71	18	4.28	.18	54	1.10	781	2	.02	30	1194	21	<5	<20	94	.24	10	62	<10	1	89
563	-172	L9+900N 11+ 300	E	<5	<.2	5.20	<5	3	83	7	.76	<1	16	66	22	4.65	.14	61	1.23	468	2	.03	28	543	16	<5	<20	99	.32	10	89	<10	5	52
563	-173	L9+900N 11+ 350	E	10	<.2	5.40	<5	4	89	8	.73	<1	17	67	22	4.70	.13	62	1.26	422	2	.03	31	462	16	<5	<20	90	.35	10	86	<10	4	57
563	-174	L9+900N 11+ 400	E	<5	<.2	5.38	<5	6	53	6	.65	<1	14	65	14	3.66	.14	48	1.08	794	2	.02	21	745	17	<5	<20	77	.27	<10	59	<10	4	58
563	-175	L9+900N 11+ 450	E	5	<.2	4.43	<5	5	111	7	.59	<1	14	51	15	3.82	.14	47	.78	478	2	.02	20	690	15	<5	<20	76	.26	<10	71	<10	2	51
563	-176	L9+900N 11+ 500	E	10	<.2	4.36	<5	7	75	8	.59	<1	11	44	13	3.35	.11	42	.66	301	<1	.03	19	612	15	<5	<20	57	.16	<10	56	<10	3	49
563	-177	L9+900N 11+ 550	E	<5	<.2	3.44	<5	4	84	8	.54	<1	13	46	15	3.78	.11	45	.62	251	1	.03	21	494	12	<5	<20	62	.29	10	72	<10	3	46
563	-178	L10000N 10 000	E	5	<.2	3.34	<5	7	137	<5	.69	<1	17	49	22	4.35	.29	59	.94	1086	2	.03	23	799	40	<5	<20	60	.22	<10	74	<10	1	91
563	-179	L10000N 10 050	E	<5	<.2	4.73	<5	4	165	5	.66	<1	20	69	34	5.03	.29	72	1.20	1024	2	.02	31	1020	33	<5	<20	89	.32	10	96	20	1	79
563	-180	L10000N 10 100	E	<5	<.2	4.60	<5	5	129	<5	.81	<1	20	60	46	4.76	.33	65	1.19	919	2	.02	31	891	38	5	20	86	.28	10	90	10	1	74
563	-181	L10000N 10 150	E	5	<.2	3.95	<5	4	133	<5	.61	<1	16	50	20	4.11	.20	53	.95	709	2	.03	25	1250	18	<5	<20	69	.27	10	70	10	1	69
563	-182	L10000N 10 200	E	<5	<.2	3.53	<5	3	130	<5	.66	<1	14	44	38	3.65	.14	51	.79	714	2	.02	20	439	16	<5	<20	73	.23	10	63	10	1	49
563	-183	L10000N 10 250	E	<5	<.2	3.78	<5	5	124	<5	.66	<1	15	48	24	3.95	.14	54	.92	802	2	.03	24	652	20	<5	<20	72	.20	10	71	<10	1	67
563	-184	L10000N 10 300	E	<5	<.2	5.18	<5	5	135	<5	.91	<1	21	62	40	4.95	.27	71	1.31	988	3	.03	33	978	20	<5	<20	90	.33	10	83	<10	4	75
563	-185	L10000N 10 350	E	10	.4	3.32	10	78	145	<5	1.06	<1	22	64	46	3.37	.16	30	1.01	692	2	.09	36	560	10	10	<20	92	.24	30	104	<10	4	101
563	-186	L10000N 10 400	E	40	.6	3.26	10	44	155	<5	.98	<1	19	56	38	2.94	.11	30	.92	657	2	.08	34	570	14	5	<20	65	.18	30	70	<10	4	94
563	-187	L10000N 10 450	E	<5	.6	3.48	5	46	155	<5	.83	<1	17	52	35	2.86	.08	<10	.86	427	2	.08	34	760	10	5	<20	56	.22	30	87	10	2	92
563	-188	L10000N 10 500	E	<5	.4	3.64	10	24	220	<5	.71	<1	18	49	35	2.72	.09	<10	.77	653	2	.05	31	860	8	5	<20	42	.10	30	79	10	1	67
563	-189	L10000N 10 550	E	<5	.4	4.12	5	36	140	<5	.66	<1	17	93	31	3.06	.08	<10	1.10	795	2	.06	37	1090	8	10	<20	30	.11	30	82	10	2	90
563	-190	L10000N 10 600	E	<5	.4	3.55	10	34	220	<5	.78	<1	18	56	32	3.16	.11	30	.93	1100	2	.06	29	1650	6	5	<20	34	.11	30	75	10	2	103
563	-191	L10000N 10 650	E	15	.4	3.55	5	16	235	<5	.72	<1	15	53	28	2.77	.09	<10	.80	1046	<1	.06	30	1400	12	10	<20	39	.20	<10	75	<10	1	93
563	-192	L10000N 10 700	E	85	.4	3.33	10	16	330	<5	.75	<1	16	55	40	2.96	.11	30	.96	686	2	.07	29	960	10	5	<20	45	.16	<10	80	10	3	77
563	-193	L10000N 10 750	E	<5	.2	3.11	5	12	200	5	.75	<1	16	49	28	2.71	.07	<10	.81	380	1	.07	31	570	6	5	<20	54	.18	30	76	<10	2	57
563	-194	L10000N 10 800	E	<5	.2	2.37	<5	8	165	<5	.65	<1	11	34	18	2.06	.06	<10	.43	271	<1	.07	23	590	6	5	<20	39	.18	30	55	20	1	51
563	-195	L10000N 10 850	E	<5	.2	2.91	5	14	125	<5	.47	<1	14	37	21	2.22	.08	<10	.46	262	<1	.06	25	2660	8	5	<20	30	.15	30	53	<10	2	71
563	-196	L10000N 10 900	E	<5	.2	2.22	5	4	70	<5	.70	<1	14	42	24	2.24	.06	<10	.66	244	1	.04	24	460	6	5	<20	33	.15	30	71	<10	3	49
563	-197	L10000N 10 950	E	<5	.4	1.92	15	12	100	<5	.63	<1	15	40	19	2.39	.07	<10	.59	222	<1	.06	21	710	12	5	<20	30	.24	40	77	10	1	56
563	-198	10000N 11 000	E	<5	.2	2.06	5	12	80	<5	.40	<1	14	37	17	2.07	.06	<10	.49	392	1	.07	19	550	8	5	<20	34	.18	30	67	30	1	60
563	-199	10000N 11 050	E	<5	.4	1.94	5	12	85	<5	.38	<1	12	34	14	1.88	.05	<10	.44	251	1	.07	20	610	6	5	<20	32	.13	<10	57	<10	1	57
563	-200	10000N 11 100	E	<5	.2	2.00	5	12	110	<5	.47	<1	12	40	14	2.03	.04	<10	.49	268	1	.06	16	740	6	5	<20	52	.20	30	62	30	1	59
563	-201	10000N 11 150	E	<5	.4	3.48	5	10	95	<5	.96	<1	14	41	34	2.24	.07	30	.80	375	1	.07	27	680	4	10	<20	44	.16	30	64	30	10	57
563	-202	10000N 11 200	E	<5	.2	2.34	5	12	95	<5	.50	<1	13	38	22	2.21	.06	10	.57	998	2	.08	22	450	2	<5	<20	44	.16	30	67	30	1	62

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RELIANCE GEOLOGICAL SERVICES INC. - ETK 90-563

PAGE 7

ET#	DESCRIPTION		AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CP	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SP	TI(%)	U	V	W	Y	ZN
563 -203	10000N 11 250	E	<5	.2	4.03	5	<2	95	5	.60	<1	17	55	30	3.05	.08	<10	.90	521	1	.07	38	580	6	<5	20	51	.27	10	84	<10	1	73
563 -204	10000N 11 300	E	<5	.4	4.11	10	40	80	<5	.56	<1	20	59	21	2.94	.06	<10	.97	295	<1	.05	31	680	4	10	20	62	.29	<10	86	<10	1	64
563 -205	10000N 11 350	E	<5	.2	4.94	15	50	110	<5	.57	<1	21	68	23	3.41	.07	<10	.91	804	2	.07	38	680	5	10	<20	77	.32	10	93	<10	2	97
563 -206	10000N 11 400	E	<5	.2	3.17	10	34	65	<5	.58	<1	15	47	18	2.74	.05	<10	.57	255	2	.08	21	1660	4	5	<20	65	.25	<10	74	<10	1	96
563 -207	10000N 11 450	E	<5	.4	4.85	5	46	75	<5	.49	<1	19	64	22	3.07	.07	<10	.98	779	<1	.07	34	1530	3	10	<20	58	.30	<10	84	<10	1	96
563 -208	10000N 11 500	E	<5	.2	2.74	5	28	70	5	.59	<1	16	48	16	2.72	.06	<10	.65	381	<1	.07	22	640	4	5	<20	64	.26	<10	82	<10	1	52
563 -209	10000N 11 550	E	<5	.2	3.76	10	42	70	10	.82	<1	17	55	18	2.56	.06	<10	.85	284	<1	.10	29	520	4	10	<20	61	.31	<10	71	<10	3	48

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. CERTIFIED ASSAYER

ECO/RELIANCE

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

DATE RECEIVED: AUG 7 1990

DATE REPORT MAILED: Aug. 11/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Guinet Management FILE # 90-3202 Page 1

305 - 850 W. Hastings St., Vancouver BC V6C 1E1

SAMPLE#	Cu ppm	Ag ppm	Au* ppb
MS 1	86	.5	10
MS 2	85	.3	5
MS 3	64	.2	12
MS 4	56	.2	6
MS 5	55	.3	23
MS 6	42	.2	44
MS 7	38	.1	15
MS 8	231	.3	9
MS 9	309	.5	420
MS 10	5547	1.2	100
MS 11	254	.1	4
MS 12	106	.1	5
MS 13	98	.1	6
MS 14	51	.1	3
MS 15	40	.1	3
MS 16	51	.2	11
MS 17	826	.1	11
MS 18	340	.4	10
MS 19	131	.2	18
MS 20	44	.1	10
MS 21	38	.1	7
MS 22	38	.2	7
MS 23	65	.4	7
MS 24	259	.4	49
MS 25	116	.2	8
MS 26	645	.2	8
MS 27	400	.5	11
MS 28	76	.1	24
MS 29	120	.4	27
MS 30	100	.2	9
MS 31	79	.1	6
MS 31 A	333	.2	3
MS 33	173	.1	15
MS 34	434	.5	14
MS 35	411	.3	21
MS 36	38	.1	8
STANDARD C/AU-S	59	6.8	52

› - .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.
IS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P3 Soil P4 Silt P5 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu ppm	Ag ppm	Au* ppb
MS 37	87	.1	8
MS 38	73	.1	4
MS 39	97	.2	5
MS 40	89	.5	1
MS 41	393	.5	6
MS 42	310	.8	2
MS 43	344	.6	3
MS 44	97	.4	10
MS 45	177	.1	2
MS 46	30	.3	16
MS 47	49	.2	3
MS 48	39	.3	17
MS 49	104	.1	3
MS 50	53	.3	5
MS 51	74	.3	5
MS 52	61	.1	16
MS 53	769	.7	6
MS 54	919	.2	2
MS 55	151	.7	16
MS 56	185	.4	7
MS 57	189	.4	3
MS 58	309	.5	6
MS 59	44	.2	5
MS 60	38	.3	2
MS 61	35	.1	20
MS 62	27	.5	131
MS 63	32	.1	7
MS 64	27	.3	1
MS 65	31	.3	12
MS 66	43	.5	8
MS 67	42	.2	8
MS 68	49	.2	9
MS 69	43	.3	77
MS 70	14	.3	1
MS 71	38	.3	15
MS 72	31	.2	14
STANDARD C/AU-S	57	6.8	48

SAMPLE#	Cu ppm	Ag ppm	Au* ppb
MS 73	41	.3	13
MS 74	2147	.1	12

ECO-TECH LABORATORIES LTD.
ASSAYING • ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.

2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

3. Heavy Mineral Separation:
Samples are screened to -20 mesh, washed and separated in Tetrabromoethane. (SG 2.96)

METHODS OF ANALYSIS

All methods have either certified or in-house standards carried through entire procedure to ensure validity of results.

1. Multi-Element Cd, Cr, Co, Cu, Fe (acid soluble), Pb, Mn, Ni, Ag, Zn, Mo

Digestion	Finish
Hot aqua-regia	Atomic Absorption, background correction applied where appropriate

A) Multi-Element ICP

Digestion	Finish
Hot aqua-regia	ICP

2. Antimony

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

3. Arsenic

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

Digestion	Finish
Lithium Metaborate Fusion	I.C.P.

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5. **Beryllium**

Digestion	Finish
Hot aqua regia	Atomic Absorption

6. **Bismuth**

Digestion	Finish
Hot aqua regia	Atomic Absorption

7. **Chromium**

Digestion	Finish
Sodium Peroxide Fusion	Atomic Absorption

8. **Fluorine**

Digestion	Finish
Lithium Metaborate Fusion	Ion Selective Electrode

9. **Mercury**

Digestion	Finish
Hot aqua regia	Cold vapor generation - A.A.S.

10. **Phosphorus**

Digestion	Finish
Lithium Metaborate Fusion	I.C.P. finish

11. **Selenium**

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

12. **Tellurium**

Digestion	Finish
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or I.C.P.

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13. Tin

Digestion	Finish
Ammonium Iodide Fusion	Hydride generation - A.A.S.

14. Tungsten

Digestion	Finish
Potassium Bisulphate Fusion	Colorimetric or I.C.P.

15. Gold

Digestion	Finish
a) Fire Assay Preconcentration followed by Aqua Regia	Atomic Absorption
b) 10g sample is roasted at 600°C then digested with hot Aqua Regia. The gold is extracted by MIBK and determined by A.A.	

16. Platinum, Palladium, Rhodium

Digestion	Finish
Fire Assay Preconcentration followed by Aqua Regia	Graphite Furnace - A.A.S.

APPENDIX C

STATISTICAL ANALYSIS

STATISTICAL EVALUATION OF SOIL SAMPLES COLLECTED FROM THE MIME PROPERTY NICOLA MINING DIVISION BRITISH COLUMBIA

FOR

PACIFIC SENTINEL GOLD CORP.
1020-800 West Pender Street
Vancouver, B.C. V6C 2V6

By

A.M.S.Clark, Ph.D., FGAC, P.Geol.(Alta.)
RELIANCE GEOLOGICAL SERVICES INC.
241 East First Street
North Vancouver, B.C. V7L 1B4

4 October 1990

SUMMARY
Correlation coefficients, histograms , value maps and symbol maps have been prepared and used in the evaluation of the soil sample analyses from this property.

All assay values of economic elements are low to very low, and there are no significant correlations of elements that may assist exploration. Also, the elements that are usually of use in exploration show no spatial association on the grid with one another that could help or guide exploration.

This report is based on an evaluation of the geochemical analyses only, the author has not visited the property.

1. INTRODUCTION

The author of this report has not visited the sample area. This report is based on the assay results supplied by Eco-Tech Laboratories Limited, Kamloops, B.C., and discussions with the personnel who undertook the sampling. A complete interpretation of these results requires a thorough knowledge of the topography, geology and soil characteristics of the property.

The soil samples were collected from one grid (171 samples) on the property, and from road and stream traverses (29 samples). (Additional stream and rock samples collected are not included in this report).

Correlation coefficients have been determined for all the soil samples.

Histograms were plotted of gold, silver, arsenic, barium, bismuth, copper, molybdenum, lead, tungsten and zinc, to aid in determining which elements should be plotted as symbol maps, and also to help define useful groupings of the data values for the symbols on the maps.

The correlation coefficient table and histograms are attached at the end of the report.

2. DESCRIPTION OF STATISTICAL METHODS USED

(See Levinson, 1974, and Sinclair, 1987, for further discussion of statistical applications to soil sampling).

2.1 Correlation Coefficients

Correlation coefficients were calculated for all the elements analyzed. Correlations were considered to be significant for coefficient values equal to or above 0.25, with the following being the terminology used for both the positive and the negative correlations:

0.25 to <0.30	very weak correlation
0.30 to <0.40	weak correlation
0.60 to <0.80	strong correlation
0.80 to 1.00	very strong correlation

2.2 Histograms

Histograms were plotted of all elements considered of exploration significance. Where the samples show a few very high values, a second histogram has been plotted to show only the main body of samples, to allow interpretation of the type and shape of the histogram curve, and to determine ranges for plotting on the symbol maps. Ranges used for the symbols on the symbol maps were chosen to show any groupings that are indicated in the data by discordant changes in the shape of the curve at the higher values of the histogram. Where there is no obvious discordant change in the histogram, then grouping is chosen to give a visually useful distribution of symbols on the map. These groupings are usually into low and high anomalous categories. The values of the samples are not considered in this process as the pattern of distribution of the values, not the absolute values, is considered the main aid to exploration.

3. DISCUSSION OF CORRELATION COEFFICIENTS

The correlation coefficient table is in the appendix. Although the correlation matrix table shows the correlation coefficients of all the elements analyzed, only those elements considered of economic exploration significance are discussed below.

Gold: Gold shows no correlation with any element.

Silver: Silver has a weak correlation with boron, barium, antimony and titanium; and a very weak correlation with zinc.
Arsenic: Arsenic has a weak correlation with potassium and lead; and a very weak correlation with zinc.

Barium: Barium has a moderate correlation with manganese and titanium; a weak correlation with silver and zinc; and a very weak correlation with bismuth, potassium, sodium and yttrium.

Bismuth: Bismuth has a strong correlation with cadmium, iron and yttrium; a moderate correlation with calcium, chromium, magnesium and sodium; a weak correlation with lanthanum, phosphorous, titanium and vanadium; and a very weak correlation with barium and nickel.

Copper: Copper has a moderate correlation with molybdenum; a weak correlation with potassium; and a very weak correlation with nickel.

Molybdenum: Molybdenum shows a moderate correlation with copper and potassium.

Lead: Lead has a moderate correlation with lanthanum and zinc; and a weak correlation with aluminium and manganese.

Antimony: Antimony has a strong correlation with boron; a moderate correlation with lanthanum; a weak correlation with silver and potassium; and a very weak correlation with arsenic, iron, nickel, lead and zinc.

Tungsten: Tungsten shows no correlation with any element.

Zinc: Zinc shows a moderate correlation with cobalt, manganese, phosphorous and lead; a weak correlation with boron, barium, cadmium and nickel; and a very weak correlation with silver, aluminium and antimony.

4. INTERPRETATION OF HISTOGRAMS

Histograms and their associated tabular listings are appended to this evaluation.

Gold: Values form a log-normal histogram with most values below 20 ppb, but there is a slight secondary 'peak' at approximately 25 to 30 ppb and another at approximately 40 to 45 ppb which may be indicative of one or two secondary populations. These values are very low for soil samples in British Columbia. A symbol and value map was plotted (Figure 1) of gold greater than 15 ppb.

Silver: Values were all between 0 and 1 ppm. Usually anomalous silver is considered as greater than 1 ppm, so these

are very low values. Values above 0.5 ppm were plotted as symbols in Figure 3.

Arsenic: Values ranged up to 80 ppm, but the highest on the grid was 20 ppm. The histogram shows a lognormal curve with a possible weak secondary peak about 25 to 35 ppm. Arsenic was not plotted as a symbol map because of the low values.

Barium: Values ranged up to 400 ppm, with possible secondary population 'peak(s)' showing at about 200 to 240 ppm and 260 to 360 ppm. A symbol map was plotted of values above 200 ppm (Figure 3).

Bismuth: Bismuth values are low, up to 40 ppm, and show a possible secondary population 'peak' at about 15 to 30 ppm, but as the maximum value on the grid is only 15 ppm bismuth was not plotted as a symbol map.

Copper: Values ranged up to 1000 ppm. Copper greater than 100 ppm was plotted as a symbol map (Figure 2).

Molybdenum: Molybdenum shows only low values (less than 15 ppm) with a maximum of only 4 ppm on the grid, and so was not plotted as a symbol map.

Lead: Values are low (less than 100 ppm). Values greater than 30 ppm were plotted on a symbol map (Figure 3).

Tungsten: Tungsten values are all low with only one sample being greater than 1 ppm (it was 20 ppm). No symbol map was plotted.

Zinc: Values produce a slightly irregular log-normal curve up to about 110 ppm, with additional samples up to 250 ppm. These values are low, but values above 90 ppm were plotted on a symbol map (Figure 3).

5. DISCUSSION

A full interpretation of the distribution of values requires a knowledge of the geology, soil characteristics and topography of the property. All elements of exploration significance show only low to very low values. None of the elements plotted show any spatial relationship to one another, though the higher barium values tend to be clustered in the central part of the grid.

REFERENCES

Levinson, A.A., 1974. Introduction to Exploration Geochemistry. Applied Publishing Limited, Calgary. 612p. and 1980 Supplement.

A.J.Sinclair, 1987. Statistical Interpretation of Soil Geochemical Data. In: Reviews in Economic geology, Volume 3, Fletcher, W.K., Hoffman, S.J., Mehrtens, M.B., Sinclair, A.,J., and Thomson, I, Exploration Geochemistry: Design and Interpretation of Soil Surveys. Edited by: Robertson, J.M. Society of Economic Geologists.

CERTIFICATE

I, ANTHONY M.S. CLARK, of 2988 Fleet Street, Coquitlam, B.C., do hereby state that:

1. I am a graduate of the University of Cape Town, Cape Town, South Africa, with a Bachelor of Science Degree in Geology, 1963, and of Memorial University, St. John's, Newfoundland, with a Doctor of Philosophy Degree in Geology, 1974.

2. I am a Fellow in good standing with the Geological Association of Canada, and registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

3. I actively pursued my career as an exploration geologist for twenty-three years from 1963 to 1986, since when I have undertaken consulting in the fields of mineral exploration and computer applications to exploration.

4. The information, opinions, and recommendations in this report are based on information obtained by other personnel who undertook the fieldwork on the property, and on published and unpublished literature. I have not visited the subject property.

5. I have no interest, direct or indirect, in the subject claims or the securities of Pacific Sentinel Gold Corp.

6. I consent to the use of this report in Prospectus or Statement of Material Facts for the purpose of private or public financing.

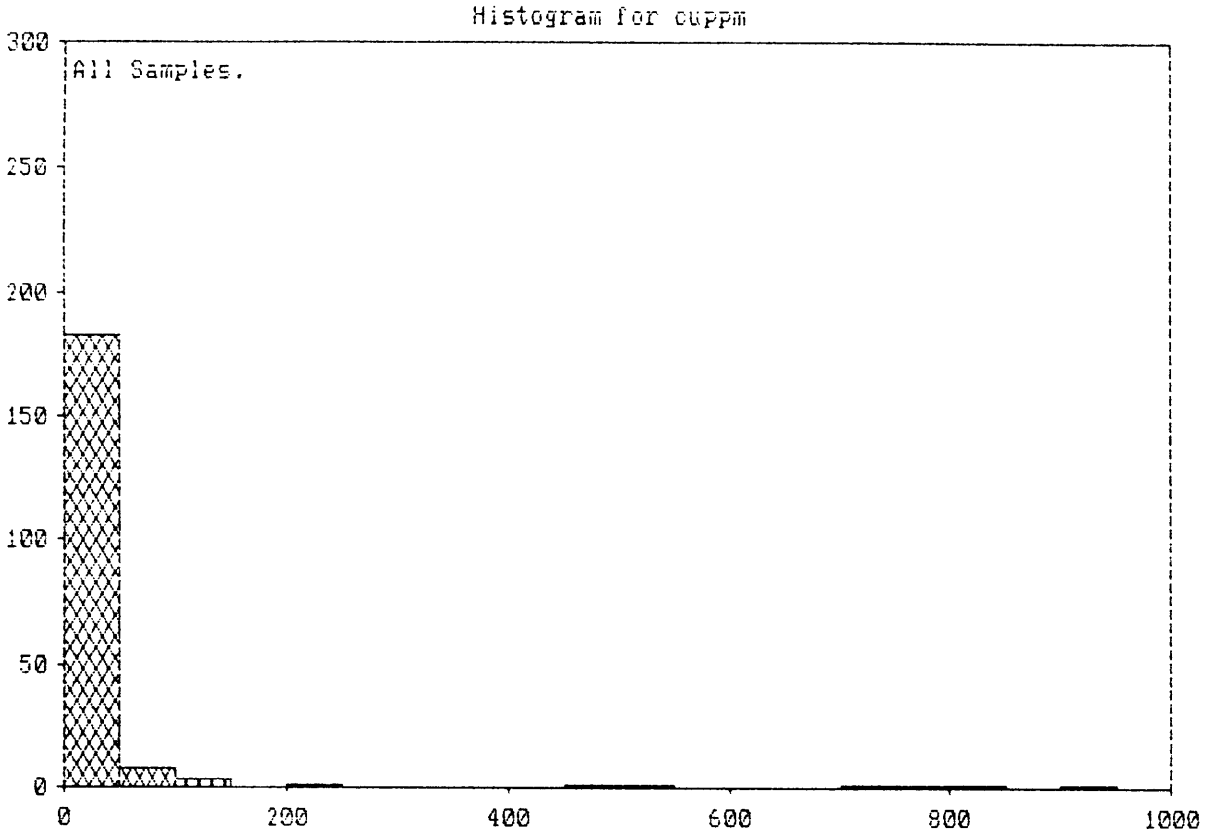
RELIANCE GEOLOGICAL SERVICES INC.

Anthony M.S. Clark, PhD., F.G.A.C., P.Geol (Alta)

Dated at North Vancouver, B.C., this day of 1990.

Mine Property. Soil Sample Correlation Coefficients: all samples

	auppb	agppm	alpct	asppm	.bppm	bappm	bippm	capct	cdppm	coppm	crppm	cuppm	fepct	.kpct	lappm	mgpct	mnppm	moppm	napct	nippm	pppm	pbppm	sbppm	snppm	srppm	tipct	.uppm	.vppm	.wppm	.yppm	znppm
auppb	1.00	0.11	0.05	0.02	0.02	0.03	0.03	0.02	0.01	0.20	0.02	0.02	0.10	0.01	0.07	0.08	0.00	0.03	0.01	0.01	0.01	0.05	0.02	0.00	0.20	0.05	0.01	0.05	0.01	0.04	0.06
agppm	0.11	1.00	0.02	0.05	0.30	0.37	0.24	0.09	0.10	0.21	0.11	0.01	0.08	0.03	0.04	0.07	0.19	0.06	0.07	0.16	0.10	0.06	0.37	0.00	0.03	0.31	0.02	0.05	0.03	0.07	0.26
alpct	0.05	0.02	1.00	0.18	0.12	0.10	0.00	0.13	0.10	0.41	0.28	0.23	0.22	0.03	0.40	0.18	0.28	0.08	0.27	0.42	0.11	0.38	0.00	0.00	0.04	0.17	0.09	0.01	0.06	0.12	0.29
asppm	0.02	0.05	0.18	1.00	0.21	0.01	0.13	0.07	0.08	0.11	0.13	0.03	0.22	0.35	0.18	0.02	0.08	0.16	0.02	0.12	0.01	0.11	0.27	0.00	0.06	0.01	0.04	0.16	0.02	0.08	0.03
.bppm	0.02	0.30	0.12	0.21	0.00	0.07	0.09	0.09	0.10	0.22	0.07	0.02	0.19	0.17	0.40	0.09	0.02	0.06	0.15	0.28	0.08	0.20	0.79	0.00	0.12	0.11	0.03	0.16	0.02	0.11	0.31
bappm	0.03	0.37	0.10	0.01	0.07	1.00	0.28	0.04	0.19	0.19	0.08	0.01	0.08	0.26	0.23	0.07	0.49	0.09	0.29	0.01	0.20	0.18	0.07	0.00	0.19	0.45	0.08	0.14	0.05	0.28	0.30
bippm	0.03	0.24	0.00	0.13	0.09	0.28	1.00	0.44	0.77	0.15	0.57	0.11	0.66	0.02	0.36	0.58	0.02	0.03	0.40	0.29	0.30	0.06	0.11	0.00	0.19	0.34	0.03	0.34	0.03	0.64	0.03
capct	0.02	0.09	0.13	0.07	0.09	0.04	0.44	1.00	0.44	0.20	0.34	0.07	0.43	0.09	0.10	0.57	0.20	0.16	0.29	0.35	0.22	0.24	0.09	0.00	0.52	0.03	0.06	0.27	0.03	0.60	0.11
cdppm	0.01	0.10	0.10	0.08	0.10	0.19	0.77	0.44	1.00	0.20	0.60	0.04	0.66	0.06	0.36	0.65	0.19	0.17	0.34	0.37	0.38	0.08	0.09	0.00	0.15	0.08	0.04	0.30	0.02	0.61	0.32
coppm	0.20	0.21	0.41	0.11	0.22	0.19	0.15	0.20	0.20	1.00	0.39	0.11	0.56	0.22	0.26	0.56	0.48	0.03	0.16	0.67	0.44	0.24	0.15	0.00	0.19	0.14	0.10	0.58	0.07	0.15	0.51
crppm	0.02	0.11	0.28	0.13	0.07	0.08	0.57	0.34	0.60	0.39	1.00	0.13	0.63	0.12	0.16	0.73	0.26	0.16	0.35	0.57	0.27	0.02	0.00	0.00	0.07	0.12	0.13	0.49	0.08	0.44	0.17
cuppm	0.02	0.01	0.23	0.03	0.02	0.01	0.11	0.07	0.04	0.11	0.13	1.00	0.03	0.34	0.17	0.09	0.11	0.59	0.08	0.26	0.06	0.19	0.06	0.00	0.05	0.18	0.04	0.10	0.02	0.03	0.09
fepct	0.10	0.08	0.22	0.22	0.19	0.08	0.66	0.43	0.66	0.56	0.63	0.03	1.00	0.31	0.11	0.83	0.33	0.17	0.31	0.43	0.42	0.19	0.29	0.00	0.27	0.25	0.07	0.65	0.09	0.57	0.23
.kpct	0.01	0.03	0.03	0.35	0.17	0.26	0.02	0.09	0.06	0.22	0.12	0.34	0.31	0.00	0.30	0.23	0.27	0.54	0.09	0.02	0.10	0.17	0.33	0.00	0.13	0.18	0.04	0.12	0.09	0.03	0.15
lappm	0.07	0.04	0.40	0.18	0.40	0.23	0.36	0.10	0.36	0.26	0.16	0.17	0.11	0.30	1.00	0.05	0.29	0.03	0.52	0.03	0.16	0.52	0.53	0.00	0.05	0.16	0.01	0.07	0.12	0.26	0.02
mgpct	0.08	0.07	0.18	0.02	0.09	0.07	0.58	0.57	0.65	0.56	0.73	0.09	0.83	0.23	0.05	1.00	0.33	0.14	0.39	0.60	0.39	0.10	0.16	0.00	0.36	0.08	0.14	0.66	0.09	0.59	0.20
mnppm	0.00	0.19	0.28	0.08	0.02	0.49	0.02	0.20	0.19	0.48	0.26	0.11	0.33	0.27	0.29	0.33	1.00	0.08	0.17	0.29	0.43	0.33	0.08	0.00	0.04	0.19	0.05	0.09	0.08	0.01	0.48
moppm	0.03	0.06	0.08	0.16	0.06	0.09	0.03	0.16	0.17	0.03	0.16	0.59	0.17	0.54	0.03	0.14	0.08	1.00	0.01	0.18	0.04	0.01	0.16	0.00	0.05	0.19	0.09	0.09	0.08	0.01	0.17
napct	0.01	0.07	0.27	0.02	0.15	0.29	0.40	0.29	0.34	0.16	0.35	0.08	0.31	0.09	0.52	0.39	0.17	0.01	1.00	0.31	0.30	0.42	0.22	0.00	0.21	0.42	0.02	0.56	0.05	0.57	0.11
nippm	0.01	0.16	0.42	0.12	0.28	0.01	0.29	0.35	0.37	0.67	0.57	0.26	0.43	0.02	0.03	0.60	0.29	0.18	0.31	1.00	0.31	0.08	0.25	0.00	0.22	0.10	0.11	0.47	0.00	0.31	0.35
pppm	0.01	0.10	0.11	0.01	0.08	0.20	0.30	0.22	0.38	0.44	0.27	0.06	0.42	0.10	0.16	0.39	0.43	0.04	0.30	0.31	0.00	0.06	0.08	0.00	0.03	0.11	0.12	0.23	0.03	0.28	0.44
pbppm	0.05	0.06	0.38	0.11	0.20	0.18	0.06	0.24	0.08	0.24	0.02	0.19	0.19	0.17	0.52	0.10	0.33	0.01	0.42	0.08	0.06	1.00	0.27	0.00	0.08	0.19	0.03	0.01	0.06	0.28	0.43
sbppm	0.02	0.37	0.00	0.27	0.79	0.07	0.11	0.09	0.09	0.15	0.00	0.06	0.29	0.33	0.53	0.16	0.08	0.16	0.22	0.25	0.08	0.27	1.00	0.00	0.17	0.06	0.05	0.07	0.13	0.18	0.25
snppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
srppm	0.20	0.03	0.04	0.06	0.12	0.19	0.19	0.52	0.15	0.19	0.07	0.05	0.27	0.13	0.05	0.36	0.04	0.05	0.21	0.22	0.03	0.08	0.17	0.00	1.00	0.20	0.02	0.32	0.06	0.40	0.15
tipct	0.05	0.31	0.17	0.01	0.11	0.45	0.34	0.03	0.08	0.14	0.12	0.18	0.25	0.18	0.16	0.08	0.19	0.19	0.42	0.10	0.11	0.19	0.06	0.00	0.20	1.00	0.02	0.41	0.02	0.43	0.18
.uppm	0.01	0.02	0.09	0.04	0.03	0.08	0.03	0.06	0.04	0.10	0.13	0.04	0.07	0.04	0.01	0.14	0.05	0.09	0.02	0.11	0.12	0.03	0.05	0.00	0.02	0.02	0.00	0.09	0.01	0.05	0.02
.vppm	0.05	0.05	0.01	0.16	0.16	0.14	0.34	0.27	0.30	0.58	0.49	0.10	0.65	0.12	0.07	0.66	0.09	0.09	0.56	0.47	0.23	0.01	0.07	0.00	0.32	0.41	0.09	0.00	0.08	0.42	0.09
.wppm	0.01	0.03	0.06	0.02	0.02	0.05	0.03	0.03	0.02	0.07	0.08	0.02	0.09	0.09	0.12	0.09	0.08	0.08	0.05	0.00	0.03	0.06	0.13	0.00	0.06	0.02	0.01	0.08	0.00	0.04	0.02
.yppm	0.04	0.07	0.12	0.08	0.11	0.28	0.64	0.60	0.61	0.15	0.44	0.03	0.57	0.03	0.26	0.59	0.01	0.01	0.57	0.31	0.28	0.28	0.10	0.00	0.40	0.43	0.05	0.42	0.04	0.00	0.16
znppm	0.06	0.26	0.29	0.03	0.31	0.30	0.03	0.11	0.32	0.51	0.17	0.09	0.23	0.15	0.02	0.20	0.48	0.17	0.11	0.35	0.44	0.43	0.25	0.00	0.15	0.18	0.02	0.09	0.02	0.16	1.00



Mean =	46.315	Variance =	14560
Standard Deviation =	120.7	Skewness =	5.637

Comment: All Samples.

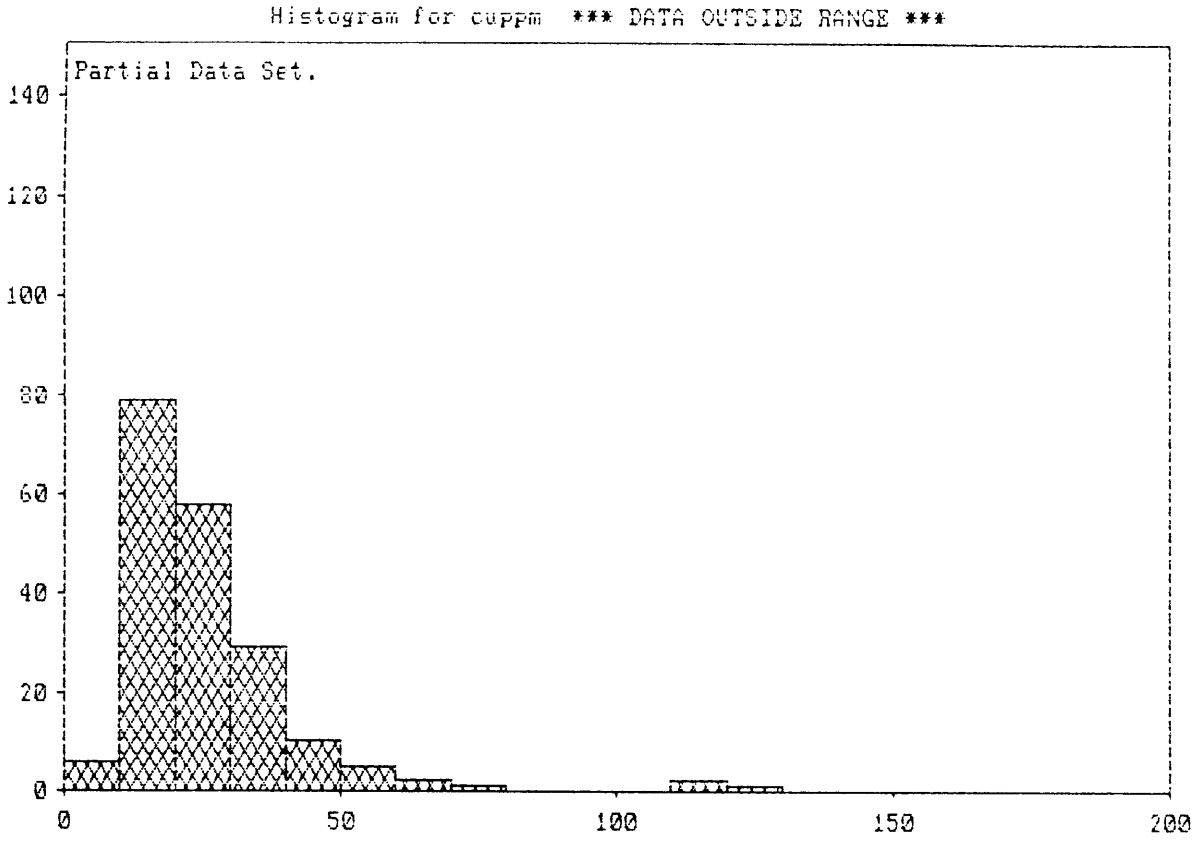
Histogram for cuppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	50	182	91	182	91	Mean
50	100	8	4	190	95	
100	150	3	2	193	97	
150	200	0	0	193	97	
200	250	1	1	194	97	
250	300	0	0	194	97	
300	350	0	0	194	97	
350	400	0	0	194	97	
400	450	0	0	194	97	
450	500	1	1	195	98	
500	550	1	1	196	98	
550	600	0	0	196	98	
600	650	0	0	196	98	
650	700	0	0	196	98	
700	750	1	1	197	99	
750	800	1	1	198	99	
800	850	1	1	199	100	
850	900	0	0	199	100	
900	950	1	1	200	100	
950	1000	0	0	200	100	

Data elements inside histogram 200
Data elements outside histogram 0

Descriptive Statistics

Mean	46.315
Variance	14559.57
Standard Deviation	120.6631
Skewness	5.637034



Mean = 46.315 Variance = 14560
Standard Deviation = 120.7 Skewness = 5.637

Comment: Partial Data Set.

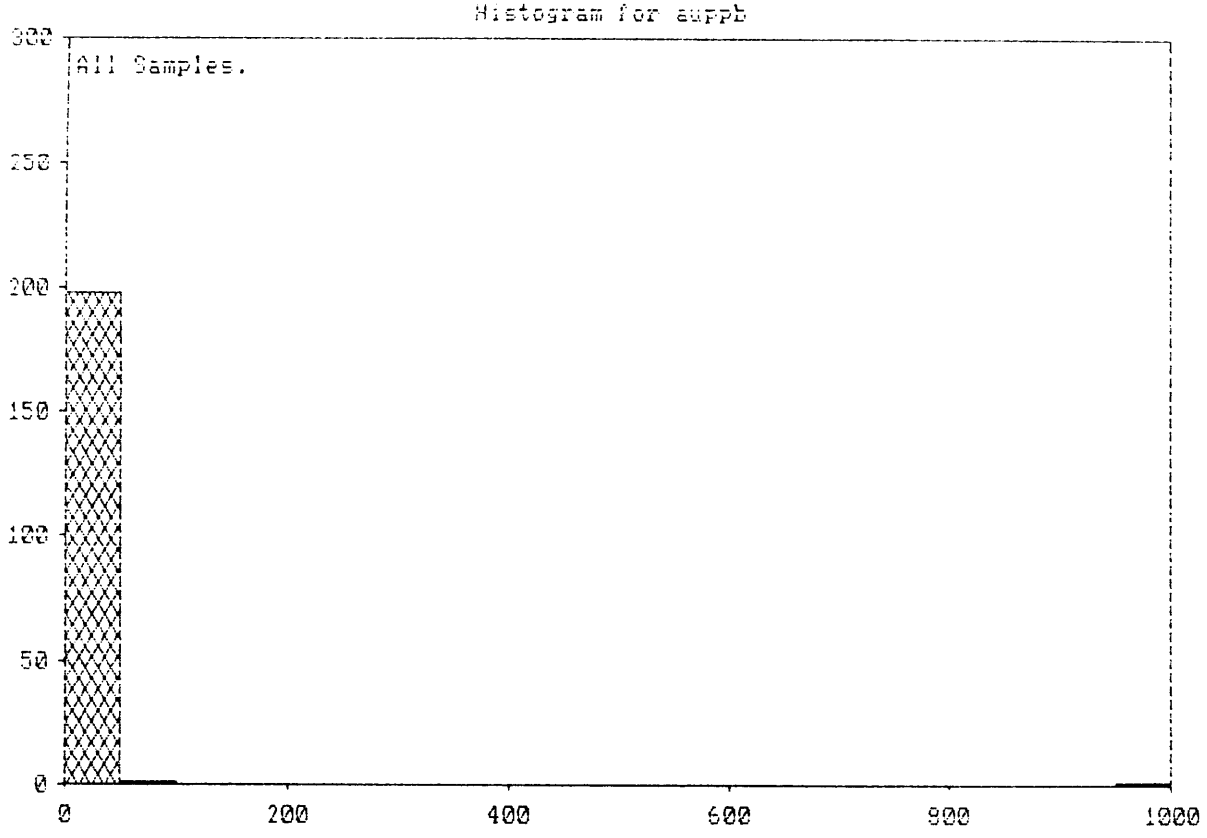
Histogram for cuppm *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	10	6	3	6	3	
10	20	79	40	85	43	
20	30	58	29	143	72	
30	40	29	15	172	86	
40	50	10	5	182	91	Mean
50	60	5	3	187	94	
60	70	2	1	189	95	
70	80	1	1	190	95	
80	90	0	0	190	95	
90	100	0	0	190	95	
100	110	0	0	190	95	
110	120	2	1	192	96	
120	130	1	1	193	97	
130	140	0	0	193	97	
140	150	0	0	193	97	
150	160	0	0	193	97	
160	170	0	0	193	97	
170	180	0	0	193	97	
180	190	0	0	193	97	
190	200	0	0	193	97	

Data elements inside histogram 193
Data elements outside histogram 7

Descriptive Statistics

Mean	46.315
Variance	14559.57
Standard Deviation	120.6631
Skewness	5.637034



Mean =	8.825	Variance =	4939
Standard Deviation =	70.28	Skewness =	13.71

Comment: All Samples.

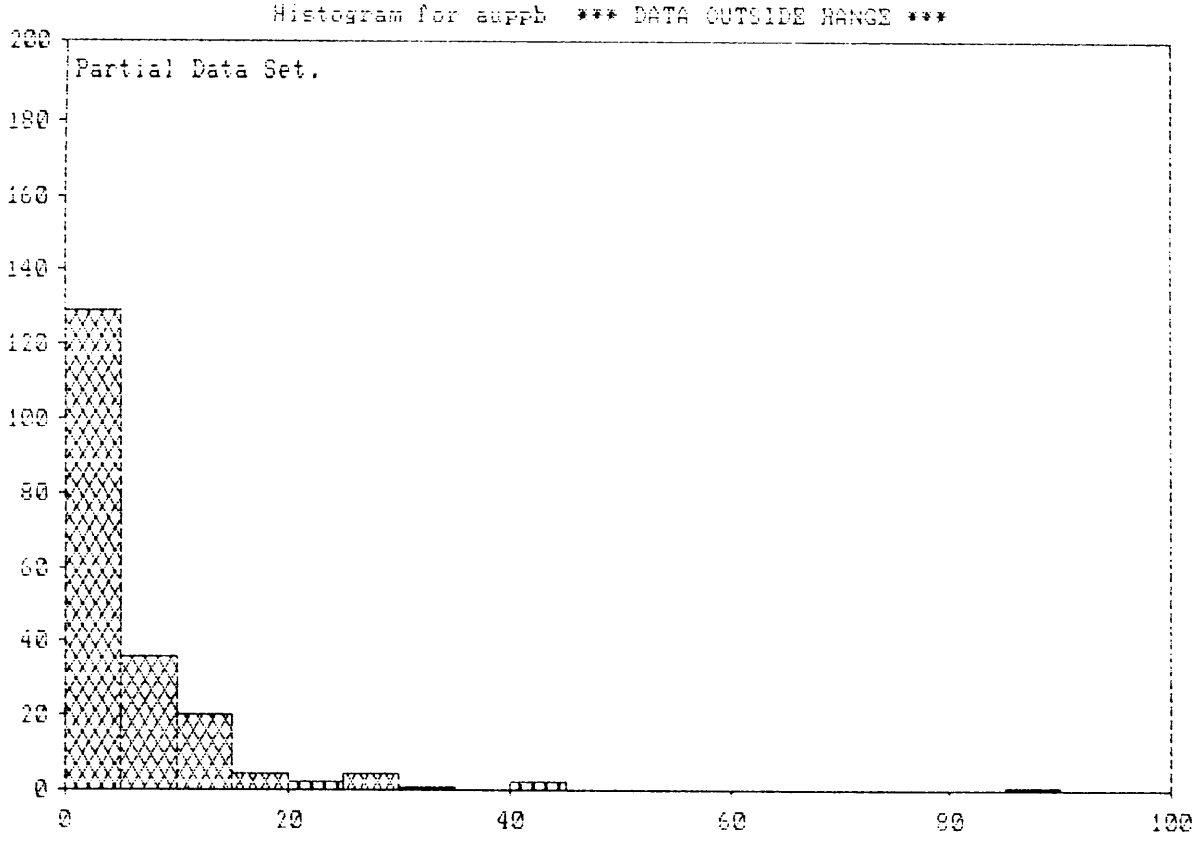
Histogram for auppb

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	50	198	99	198	99	Mean
50	100	1	1	199	100	
100	150	0	0	199	100	
150	200	0	0	199	100	
200	250	0	0	199	100	
250	300	0	0	199	100	
300	350	0	0	199	100	
350	400	0	0	199	100	
400	450	0	0	199	100	
450	500	0	0	199	100	
500	550	0	0	199	100	
550	600	0	0	199	100	
600	650	0	0	199	100	
650	700	0	0	199	100	
700	750	0	0	199	100	
750	800	0	0	199	100	
800	850	0	0	199	100	
850	900	0	0	199	100	
900	950	0	0	199	100	
950	1000	1	1	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	8.825
Variance	4939.44
Standard Deviation	70.28115
Skewness	13.7139



Mean =	8.825	Variance =	4939
Standard Deviation =	70.28	Skewness =	13.71

Comment: Partial Data Set.

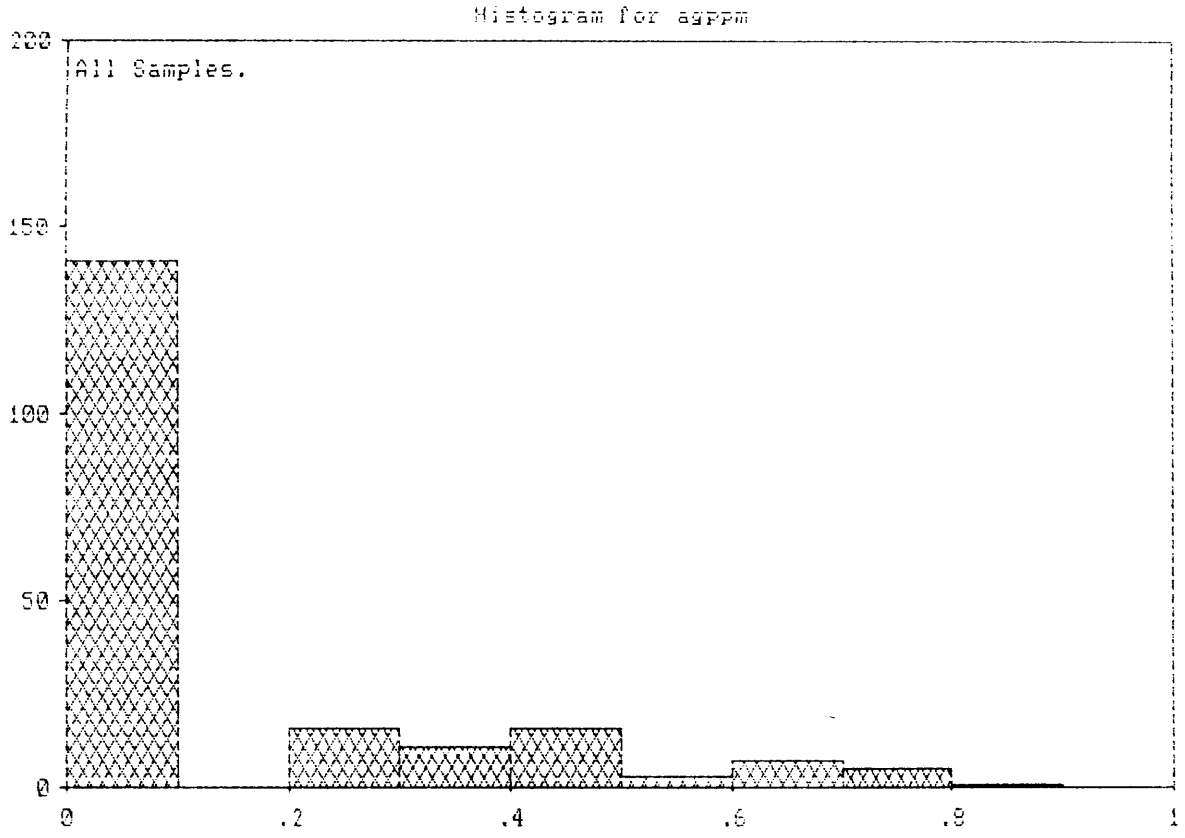
Histogram for auppb *** DATA OUTSIDE RANGE ***

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	5	129	65	129	65	
5	10	36	18	165	83	Mean
10	15	20	10	185	93	
15	20	4	2	189	95	
20	25	2	1	191	96	
25	30	4	2	195	98	
30	35	1	1	196	98	
35	40	0	0	196	98	
40	45	2	1	198	99	
45	50	0	0	198	99	
50	55	0	0	198	99	
55	60	0	0	198	99	
60	65	0	0	198	99	
65	70	0	0	198	99	
70	75	0	0	198	99	
75	80	0	0	198	99	
80	85	0	0	198	99	
85	90	1	1	199	100	
90	95	0	0	199	100	
95	100	0	0	199	100	

Data elements inside histogram	199
Data elements outside histogram	1

Descriptive Statistics

Mean	8.825
Variance	4939.44
Standard Deviation	70.28115
Skewness	13.7139



Mean =	.1145	Variance =	.03984
Standard Deviation =	.1996	Skewness =	1.609

Comment: All Samples.

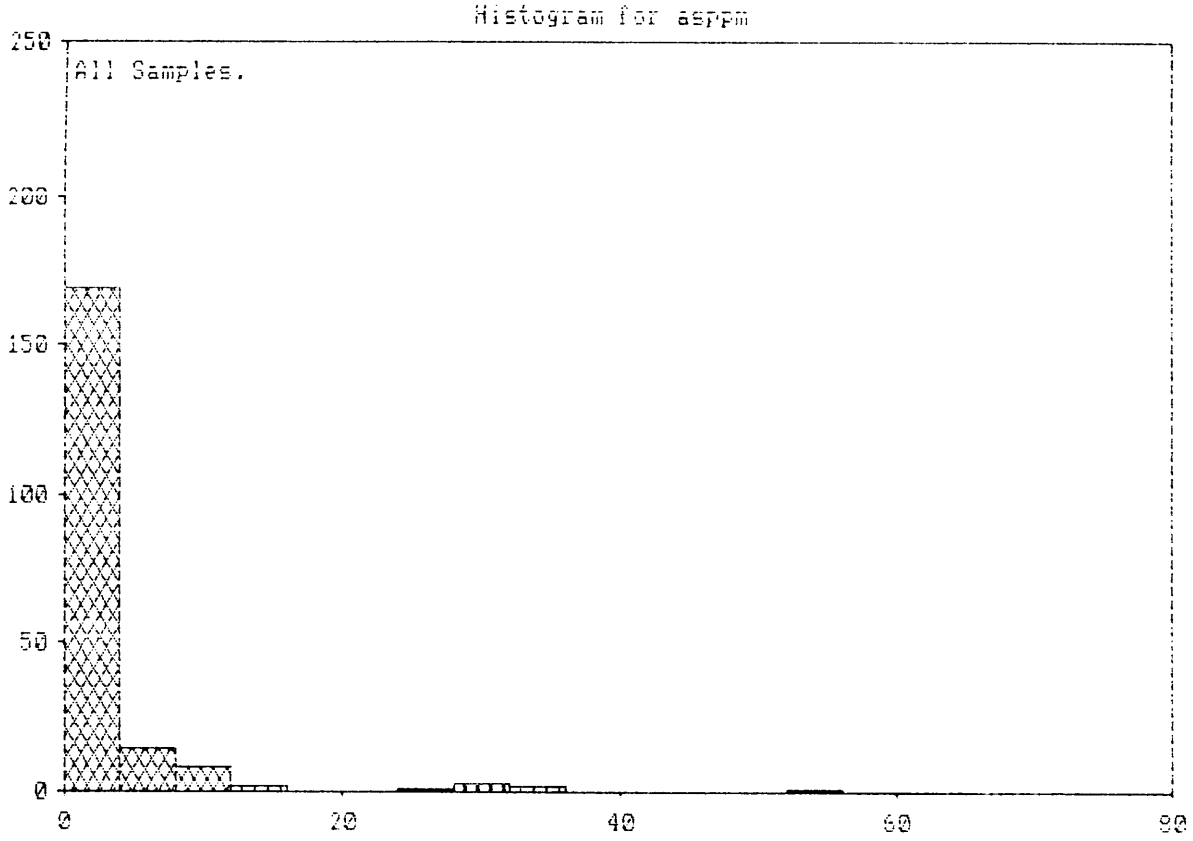
Histogram for agppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	0.1	141	71	141	71	
0.1	0.2	0	0	141	71	Mean
0.2	0.3	16	8	157	79	
0.3	0.4	11	6	168	84	
0.4	0.5	16	8	184	92	
0.5	0.6	3	2	187	94	
0.6	0.7	7	4	194	97	
0.7	0.8	5	3	199	100	
0.8	0.9	1	1	200	100	
0.9	1	0	0	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	0.1145
Variance	0.039839
Standard Deviation	0.199597
Skewness	1.608892



Mean = 2.085 Variance = 46.62
Standard Deviation = 6.828 Skewness = 4.57

Comment: All Samples.

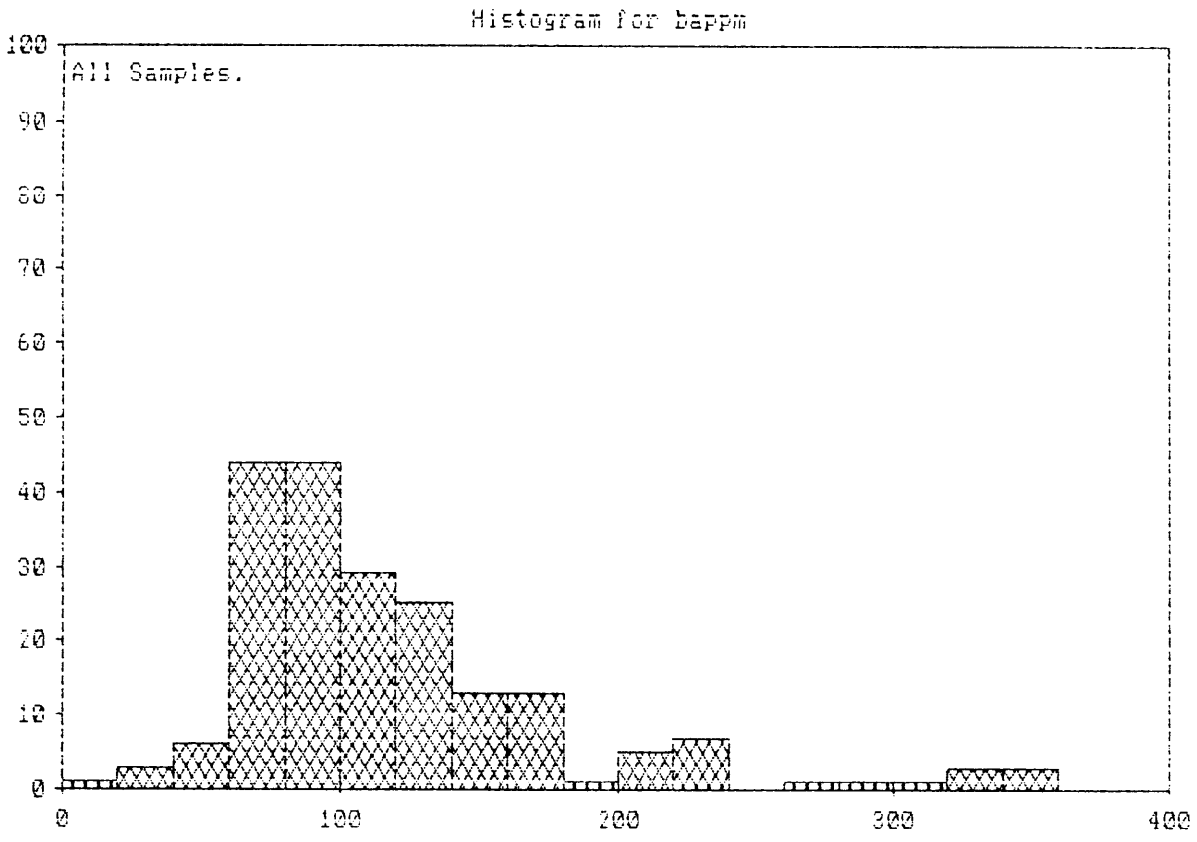
Histogram for asppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	4	169	85	169	85	Mean
4	8	14	7	183	92	
8	12	8	4	191	96	
12	16	2	1	193	97	
16	20	0	0	193	97	
20	24	0	0	193	97	
24	28	1	1	194	97	
28	32	3	2	197	99	
32	36	2	1	199	100	
36	40	0	0	199	100	
40	44	0	0	199	100	
44	48	0	0	199	100	
48	52	0	0	199	100	
52	56	1	1	200	100	
56	60	0	0	200	100	
60	64	0	0	200	100	
64	68	0	0	200	100	
68	72	0	0	200	100	
72	76	0	0	200	100	
76	80	0	0	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	2.085
Variance	46.62089
Standard Deviation	6.827949
Skewness	4.570121



Mean =	118.37	Variance =	3862
Standard Deviation =	62.15	Skewness =	1.807

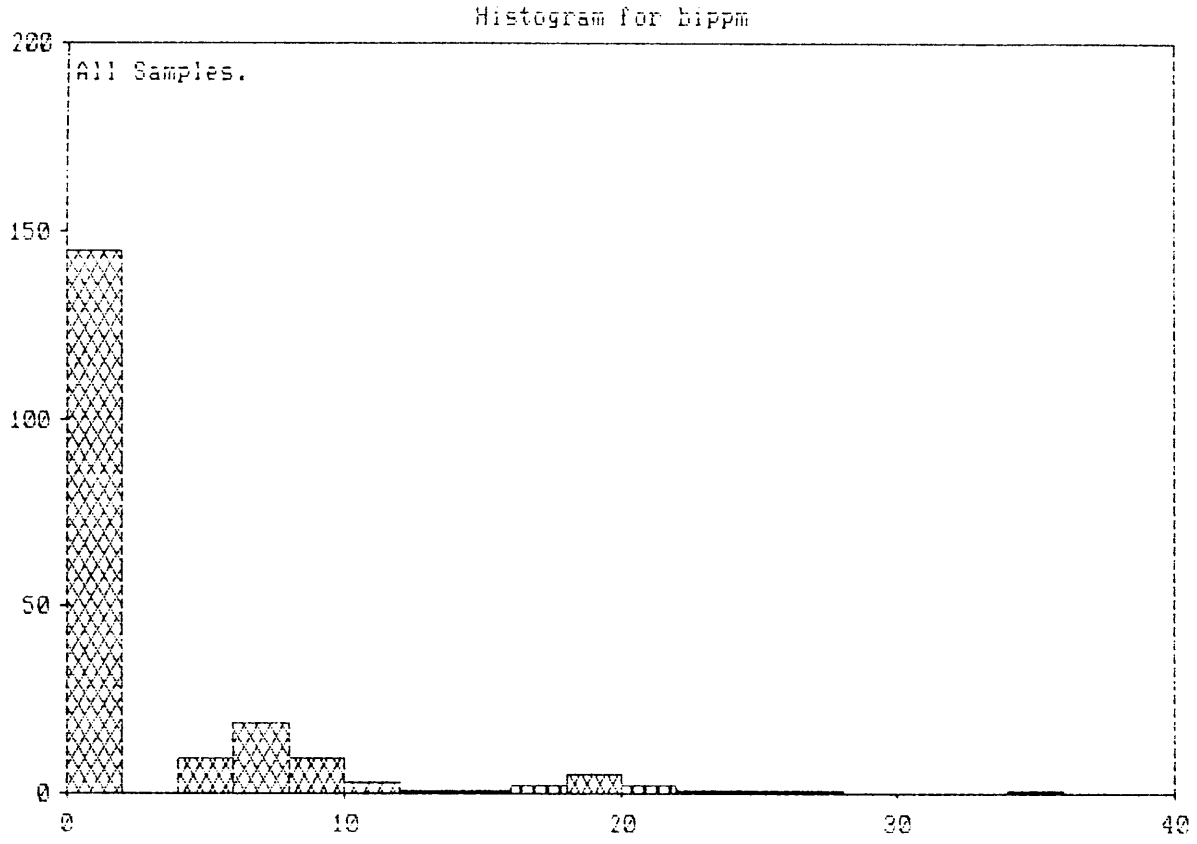
Histogram for bappm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	20	1	1	1	1	
20	40	3	2	4	2	
40	60	6	3	10	5	
60	80	44	22	54	27	
80	100	44	22	98	49	
100	120	29	15	127	64	Mean
120	140	25	13	152	76	
140	160	13	7	165	83	
160	180	13	7	178	89	
180	200	1	1	179	90	
200	220	5	3	184	92	
220	240	7	4	191	96	
240	260	0	0	191	96	
260	280	1	1	192	96	
280	300	1	1	193	97	
300	320	1	1	194	97	
320	340	3	2	197	99	
340	360	3	2	200	100	
360	380	0	0	200	100	
380	400	0	0	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	118.375
Variance	3862.074
Standard Deviation	62.14558
Skewness	1.806584



Mean =	2.875	Variance =	34.35
Standard Deviation =	5.861	Skewness =	2.591

Comment: All Samples.

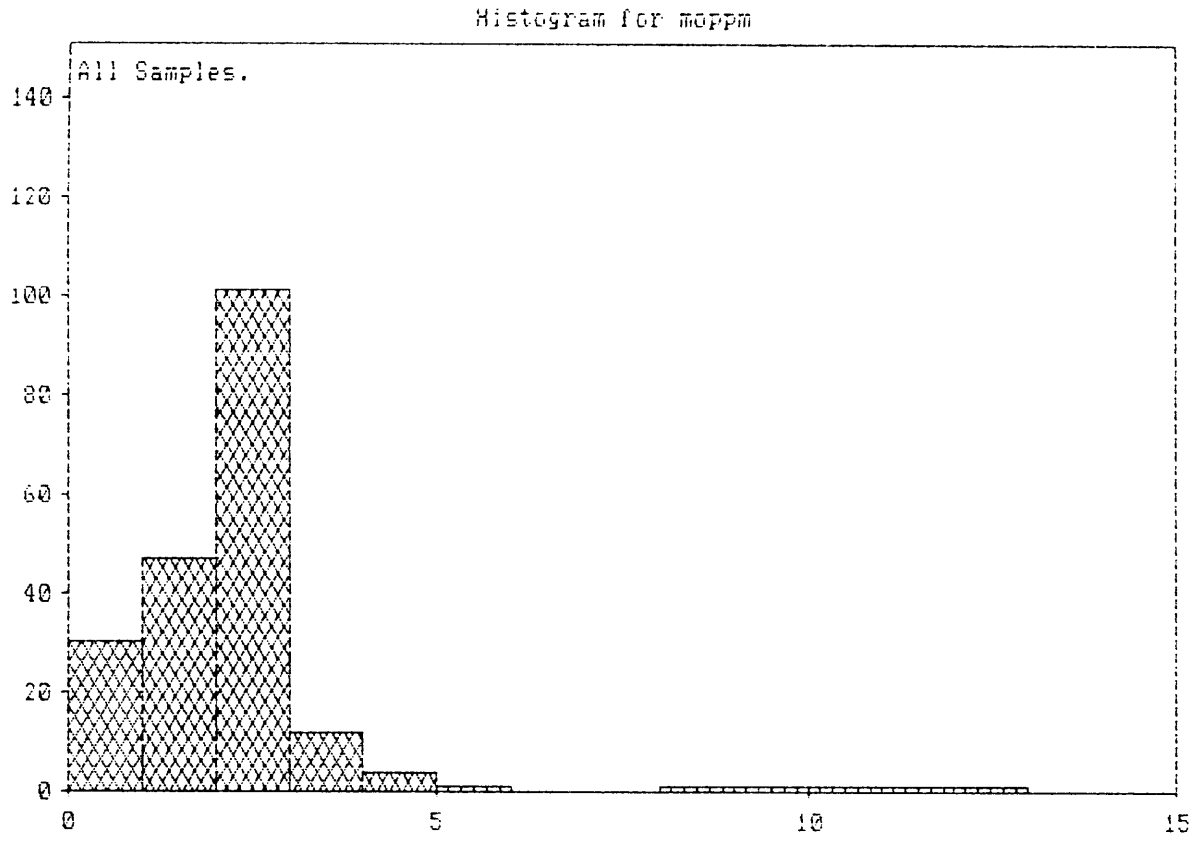
Histogram for bippm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	2	145	73	145	73	
2	4	0	0	145	73	Mean
4	6	9	5	154	77	
6	8	19	10	173	87	
8	10	9	5	182	91	
10	12	3	2	185	93	
12	14	1	1	186	93	
14	16	1	1	187	94	
16	18	2	1	189	95	
18	20	5	3	194	97	
20	22	2	1	196	98	
22	24	1	1	197	99	
24	26	1	1	198	99	
26	28	1	1	199	100	
28	30	0	0	199	100	
30	32	0	0	199	100	
32	34	0	0	199	100	
34	36	1	1	200	100	
36	38	0	0	200	100	
38	40	0	0	200	100	

Data elements inside histogram 200
Data elements outside histogram 0

Descriptive Statistics

Mean 2.875
Variance 34.35113
Standard Deviation 5.860983
Skewness 2.591001



Mean =	1.78	Variance =	2.635
Standard Deviation =	1.623	Skewness =	3.454

Comment: All Samples.

Histogram for moppm

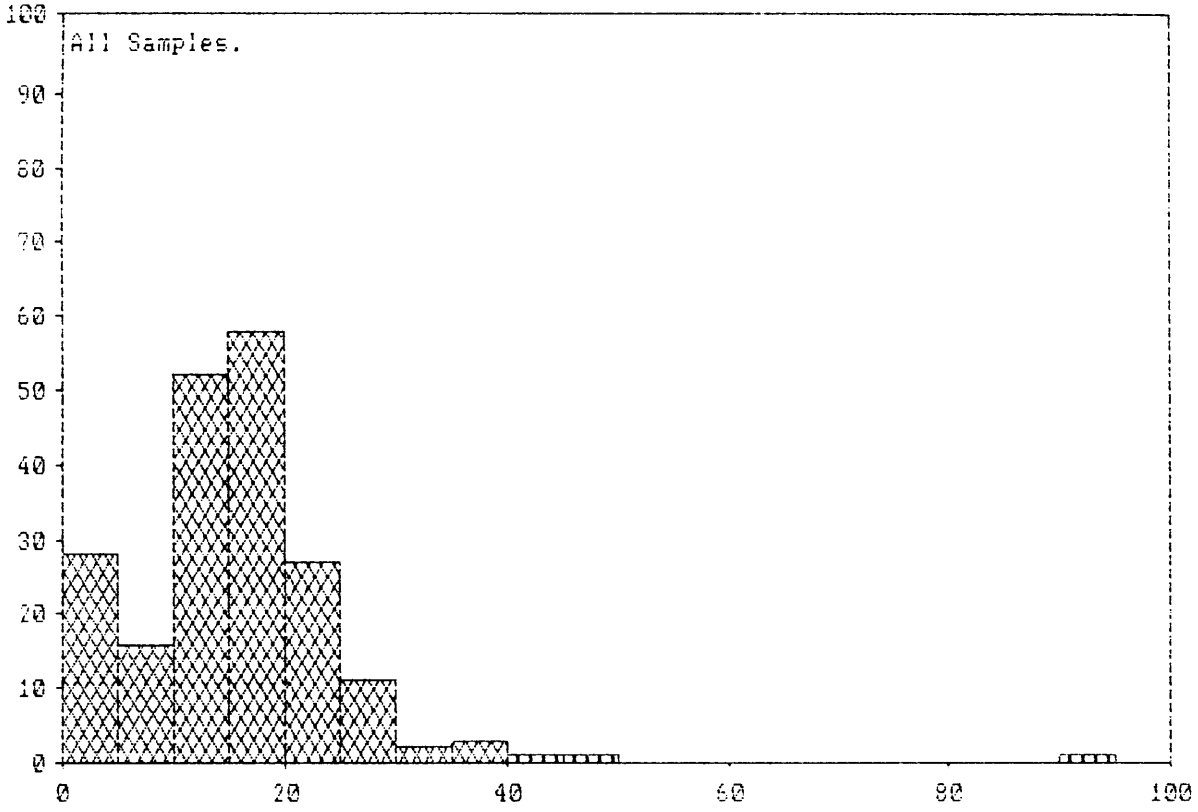
Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	1	30	15	30	15	
1	2	47	24	77	39	Mean
2	3	101	51	178	89	
3	4	12	6	190	95	
4	5	4	2	194	97	
5	6	1	1	195	98	
6	7	0	0	195	98	
7	8	0	0	195	98	
8	9	1	1	196	98	
9	10	1	1	197	99	
10	11	1	1	198	99	
11	12	1	1	199	100	
12	13	1	1	200	100	
13	14	0	0	200	100	
14	15	0	0	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	1.78
Variance	2.634774
Standard Deviation	1.623199
Skewness	3.453922

Histogram for pbppm



Mean =	14.895	Variance =	100.4
Standard Deviation =	10.02	Skewness =	2.600

Comment: All Samples.

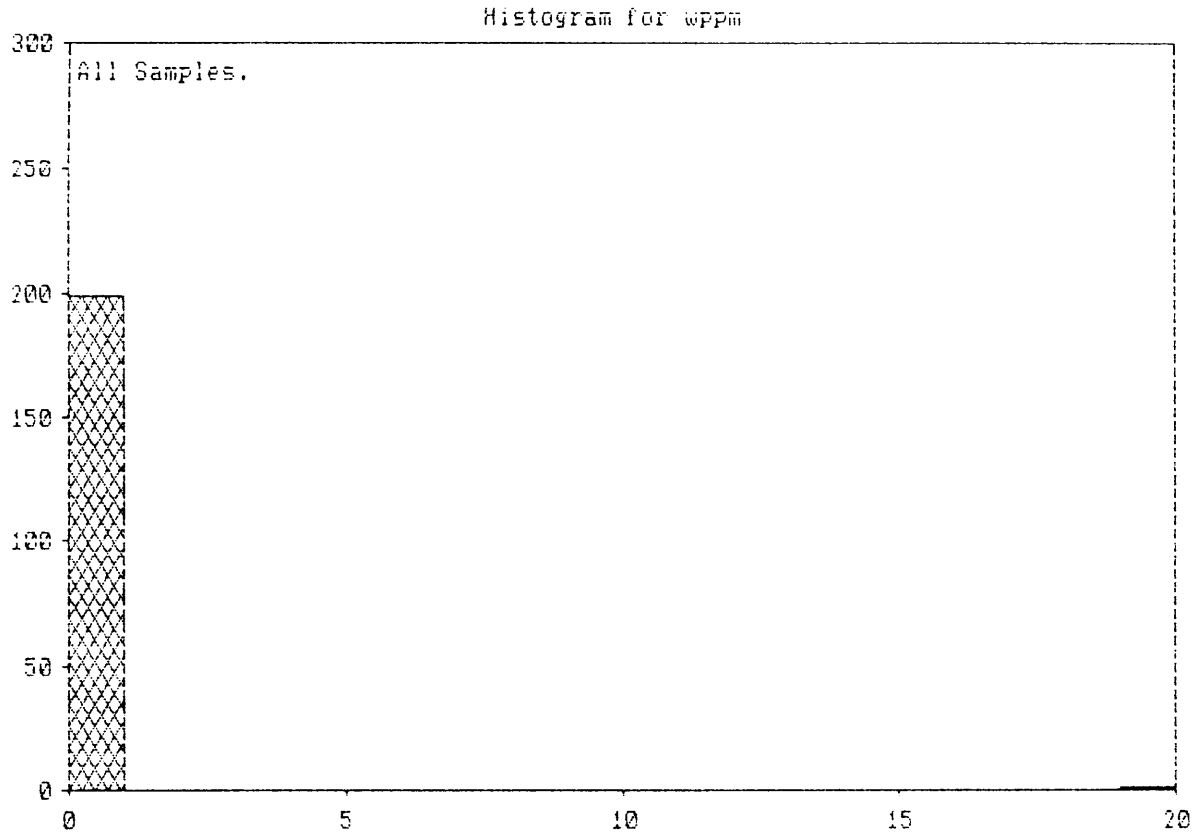
Histogram for pbppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	5	28	14	28	14	
5	10	16	8	44	22	
10	15	52	26	96	48	Mean
15	20	58	29	154	77	
20	25	27	14	181	91	
25	30	11	6	192	96	
30	35	2	1	194	97	
35	40	3	2	197	99	
40	45	1	1	198	99	
45	50	1	1	199	100	
50	55	0	0	199	100	
55	60	0	0	199	100	
60	65	0	0	199	100	
65	70	0	0	199	100	
70	75	0	0	199	100	
75	80	0	0	199	100	
80	85	0	0	199	100	
85	90	0	0	199	100	
90	95	1	1	200	100	
95	100	0	0	200	100	

Data elements inside histogram 200
Data elements outside histogram 0

Descriptive Statistics

Mean	14.895
Variance	100.4261
Standard Deviation	10.02128
Skewness	2.607715



Mean = .1 Variance = 2
Standard Deviation = 1.414 Skewness = 14.04

Comment: All Samples.

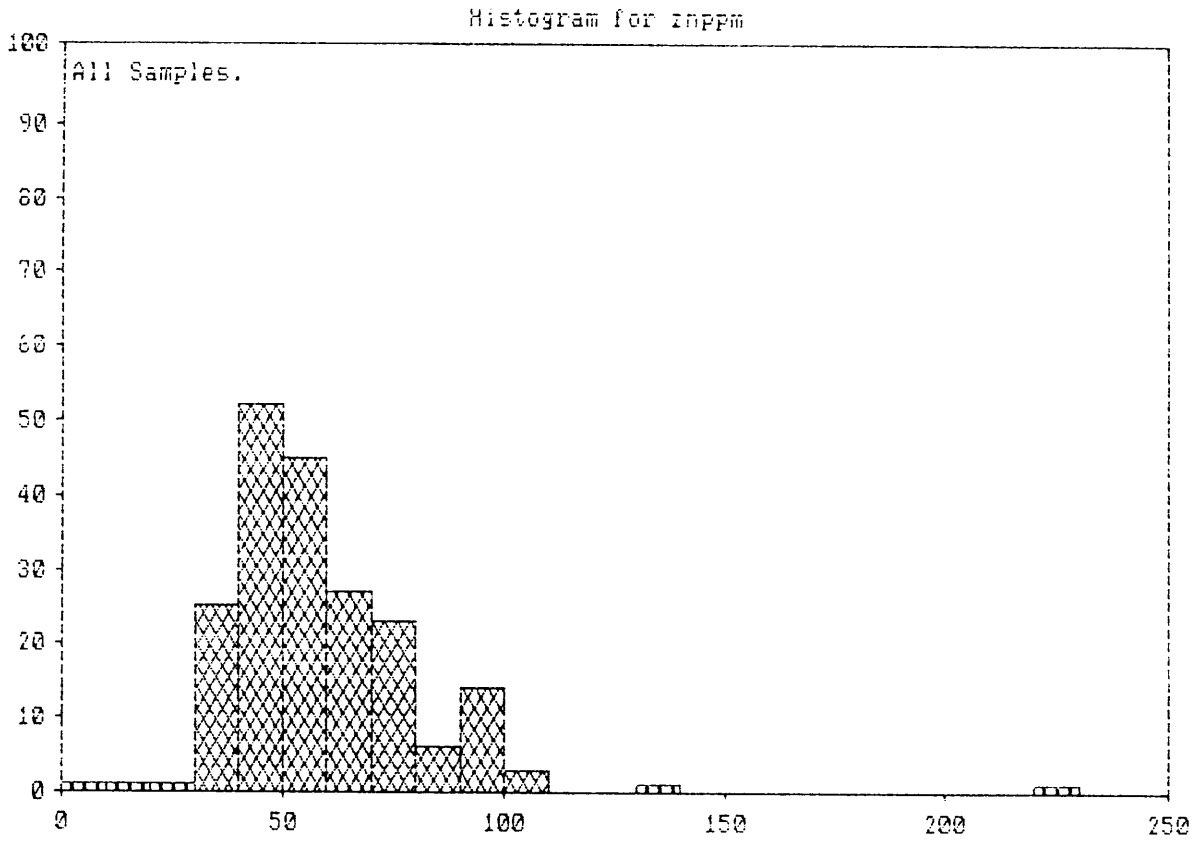
Histogram for wppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	1	199	100	199	100	Mean
1	2	0	0	199	100	
2	3	0	0	199	100	
3	4	0	0	199	100	
4	5	0	0	199	100	
5	6	0	0	199	100	
6	7	0	0	199	100	
7	8	0	0	199	100	
8	9	0	0	199	100	
9	10	0	0	199	100	
10	11	0	0	199	100	
11	12	0	0	199	100	
12	13	0	0	199	100	
13	14	0	0	199	100	
14	15	0	0	199	100	
15	16	0	0	199	100	
16	17	0	0	199	100	
17	18	0	0	199	100	
18	19	0	0	199	100	
19	20	1	1	200	100	

Data elements inside histogram	200
Data elements outside histogram	0

Descriptive Statistics

Mean	0.1
Variance	2
Standard Deviation	1.414214
Skewness	14.03584



Mean =	58.105	Variance =	509.4
Standard Deviation =	22.57	Skewness =	2.582

Comment: All Samples.

Histogram for znppm

Lower limit	Upper limit	Frequency	%	Cumulative	%	
0	10	1	1	1	1	
10	20	1	1	2	1	
20	30	1	1	3	2	
30	40	25	13	28	14	
40	50	52	26	80	40	
50	60	45	23	125	63	Mean
60	70	27	14	152	76	
70	80	23	12	175	88	
80	90	6	3	181	91	
90	100	14	7	195	98	
100	110	3	2	198	99	
110	120	0	0	198	99	
120	130	0	0	198	99	
130	140	1	1	199	100	
140	150	0	0	199	100	
150	160	0	0	199	100	
160	170	0	0	199	100	
170	180	0	0	199	100	
180	190	0	0	199	100	
190	200	0	0	199	100	
200	210	0	0	199	100	
210	220	0	0	199	100	
220	230	1	1	200	100	
230	240	0	0	200	100	
240	250	0	0	200	100	

Data elements inside histogram 200
Data elements outside histogram 0

Descriptive Statistics

Mean	58.105
Variance	509.4009
Standard Deviation	22.56991
Skewness	2.582485

20,912

5562000 N
5561000 N
5560000 N
5559000 N
5558000 N
625000 E
626000 E
627000 E
628000 E
629000 E
630000 E

Not mapped

Barrie Creek

Mimenuh Mtn.

Copper Canyon Cr.

LCP

bx
cpy
py
mag

4000
5000
6000

1
2

Not mapped

Topographic Contours (200' interval)

Stream

Road

2 Feldspar Porphyry.

1 Amygdaloidal Basalt Flows and Flow Breccias.

Area of Outcrop.

Contact.

Fault.

bx Breccia.

cpy Chalcopyrite.

py Pyrite.

mag Magnetite.

GEOLOGICAL ASSOCIATION OF CANADA
P. D. LERICHE
FELLOW

0 100 300 500 750 1000 Metres

PACIFIC SENTINEL GOLD CORP.

MIME PROPERTY

NICOLA M.D., B.C.

GEOLOGY

Scale: 1:10,000	N.T.S. 92-1/3	Drawn by: w.g.i.
Date: SEPT. 1990	Geologist:	Figure: 4

RELIANCE GEOLOGICAL SERVICES INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,912

5562000 N
5561000 N
5560000 N
5559000N
5558000N

625000 E
626000 E
627000 E
628000 E
629000 E
630000 E

4000
5000
6000

Barrie Creek

Mimenuh Mtn.

MAIN ROAD

DRILL ROAD 4

Copper Canyon Cr.

Area of Figure 6

10,000N.
10,000E.
LCP

9+900 N.
9+800 N.
9+700 N.
9+600 N.
9+500 N.
9+400 N.
11+550 E

MSS9-40/0·2/540
38/0·1/20 MSS10
MSS8-32/0·2/1
MSS7-32/0·1/1
MSS6-37/0·3/11
MSS4-4/0·2/2
MSS5-29/0·3/4

A17R-22/<0·2/5
A16R-21/<0·2/5
A15R-26/<0·2/5
A14R-16/<0·2/5
2/1·0/2 PR1
MYR2-34/0·1/1
MYR3-16/0·1/1
MYR4-9/0·1/2
A11R-11/ 0·2/5
7/<0·2/5-A13R
MR9-1000/50/85
A12R<1/<0·2/5
A18R-43/<0·2/5
A8R-21/<0·2/5
A19R-56/<0·2/5
34/<0·2/5 A9R
A20-24R
A20R-909/<0·2/5
A21R-730/<0·2/5
A22R-812/<0·2/40
A23R-476/<0·2/5
A24R-530/0·2/5

CS3-68/0·2/<5
CS6-21/<0·2/<5
CS5-24/<0·2/<5

A2L-22/<0·2/<5
A10R-9/<0·2/10

A4S-28/<0·2/15
A5S-19/<0·2/<5
14/<0·2/5-A12S
14/<0·2/15 A6S
A7S
A1L
12/<0·2/5
18/<0·2/5
11/<0·2/5
A9S
A8S
A3S-16/<0·2/5
A2S-16/<0·2/5
A1S-13/<0·2/5
A13S-16/<0·2/5
A14S-14/<0·2/5
A15S-17/<0·2/<5
A11S-14/<0·2/5
A10S-14/<0·2/<5
12/<0·2/5
A3S-17/<0·2/<5

17/<0·2/<5-A29S
11/<0·2/<5-A28S
20/<0·2/<5-A27S
20/1·6/6-A7R
14/1·5/4-A6R
29/2·6/5-A4R
29/2·9/1 A3R
23/2/2/2 A2R
27/3/2 A5R
32/2·9/3-A1R
A35S-21/<0·2/<5
A34S-15/<0·2/<5
A33S-13/<0·2/<5
A32S-21/<0·2/<5
A31S-19/<0·2/<5
A30S-21/<0·2/<5
A26S-16/<0·2/<5
A25S-24/<0·2/<5
A24S-16/<0·2/<5
A23S-12/<0·2/<5
A22S-13/<0·2/<5
A21S-28/<0·2/<5
A20S-16/<0·2/<5

Topographic Contours (200' interval)
Stream
Road
▲ Rock Sample Location- Cu(ppm)/Ag(ppm)/Au(ppb)
● Soil Sample Location. " " "
■ Silt Sample Location. " " "
Grid Area.

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0 100 300 500 750 1000 Metres

PACIFIC SENTINEL GOLD CORP.

MIME PROPERTY
NICOLA M.D., B.C.

SAMPLE LOCATIONS AND GEOCHEMISTRY

Scale: 1:10,000	N.T.S. 92-1/3	Drawn by: w.g.i.
Date: SEPT. 1990	Geologist:	Figure: 5

RELIANCE GEOLOGICAL SERVICES INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,912

LEGEND

- ▲MR — Rock Sample Location Cu(ppm), Ag(ppm), Au(ppb)
- ●MS — Soil Sample Locations " " "
- ■MSS — Silt Sample Location " " "
- Road.
- Trench.
- >100 ppm Cu in soils.
- 30/0.3/16 — >15 ppb Au in soils.

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PACIFIC SENTINEL GOLD CORP.

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DRILL ROAD AREA SAMPLE LOCATIONS AND GEOCHEMISTRY

Scale: 1" = 100'	N.T.S. 92I/3	Drawn by:
Date: SEPT. 1990	Geologist:	Figure: 6

RELIANCE GEOLOGICAL SERVICES INC.

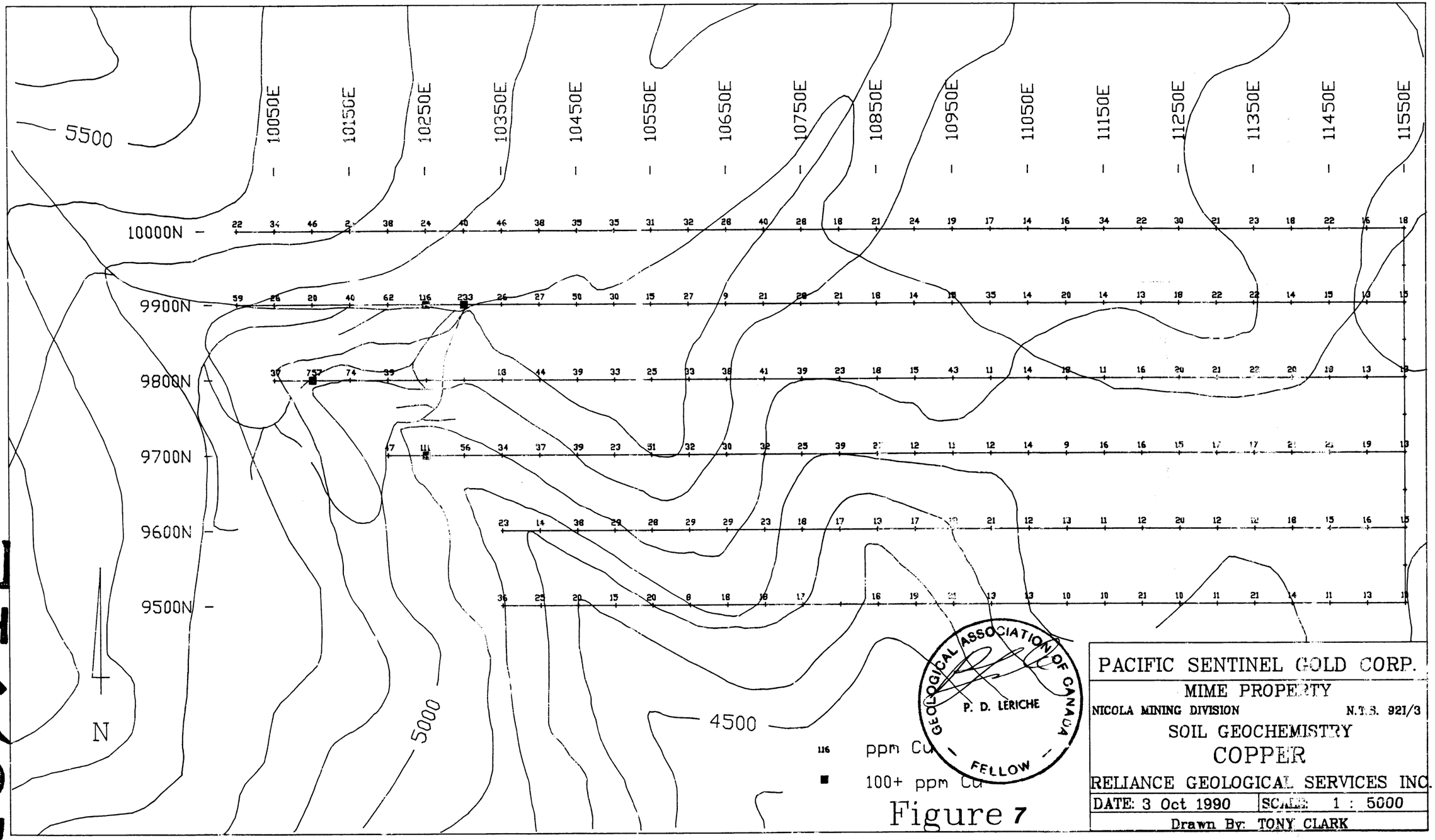

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Figure 7

PACIFIC SENTINEL GOLD CORP.

MIME PROPERTY

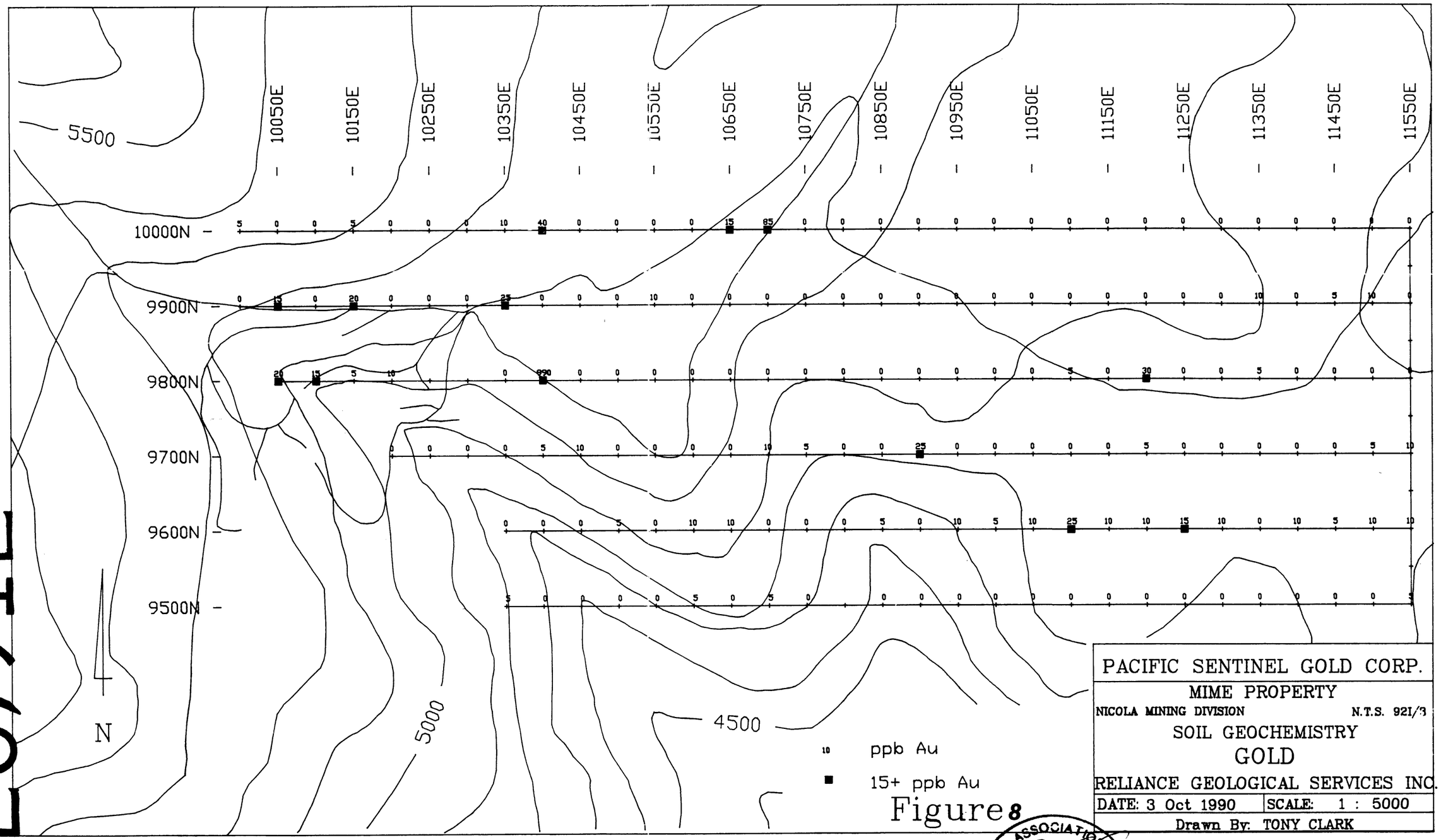
NICOLA MINING DIVISION N.T.S. 921/3

SOIL GEOCHEMISTRY

COPPER

RELIANCE GEOLOGICAL SERVICES INC.

DATE: 3 Oct 1990	SCALE: 1 : 5000
Drawn By: TONY CLARK	



PACIFIC SENTINEL GOLD CORP.

MIME PROPERTY

NICOLA MINING DIVISION N.T.S. 92I/3

SOIL GEOCHEMISTRY

GOLD

RELIANCE GEOLOGICAL SERVICES INC.

DATE: 3 Oct 1990	SCALE: 1 : 5000
Drawn By: TONY CLARK	

Figure 8