BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-25
NAME:	MIKKEL SCHAU

Prospector's Assistance Program 2000

number 95

Final Report

submitted by Mikkel Schau

January 31, 2001

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name MIKKEL SCHAU Reference Number 2000 - 95

LOCATION/COMMODITIES

Project Area (as listed in Part A) North Van Is MINFILE No. if applicable N/A

Location of Project Area NTS 92 L 01 Lat _____ Long _____

Description of Location and Access Region around Schoen Lake Provincial Park; access from Island Hwy to numerous logging roads

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For Precious metals, & Pd in particular

Known Mineral Occurrences in Project Area N/A

WORK PERFORMED

1. Conventional Prospecting (area) ~200 km^2 combined foot & car coverage.
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples)
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name FLAN Commodities Au

Location (show on map) Lat. _____ Long _____ Elevation _____

Best assay/sample type assay 61 gm/ton Au in grab sample.

Description of mineralization, host rocks, anomalies

Sheared rock in cross fault, intersecting a more prominent fault, both cutting a gabbro sill.

grab sample is vuggy with limonite after pyrite, and the rock itself is altered (fp → qtz-clay, mafics → trem-chlorite).

FEEDBACK: comments and suggestions for Prospector Assistance Program Start a bit earlier, Make more money available to program, institute a mentor program.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

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Energy and Minerals Division

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Name Mikkel Schau Reference Number 2000 - 95

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Schoen lake region. See attached maps.

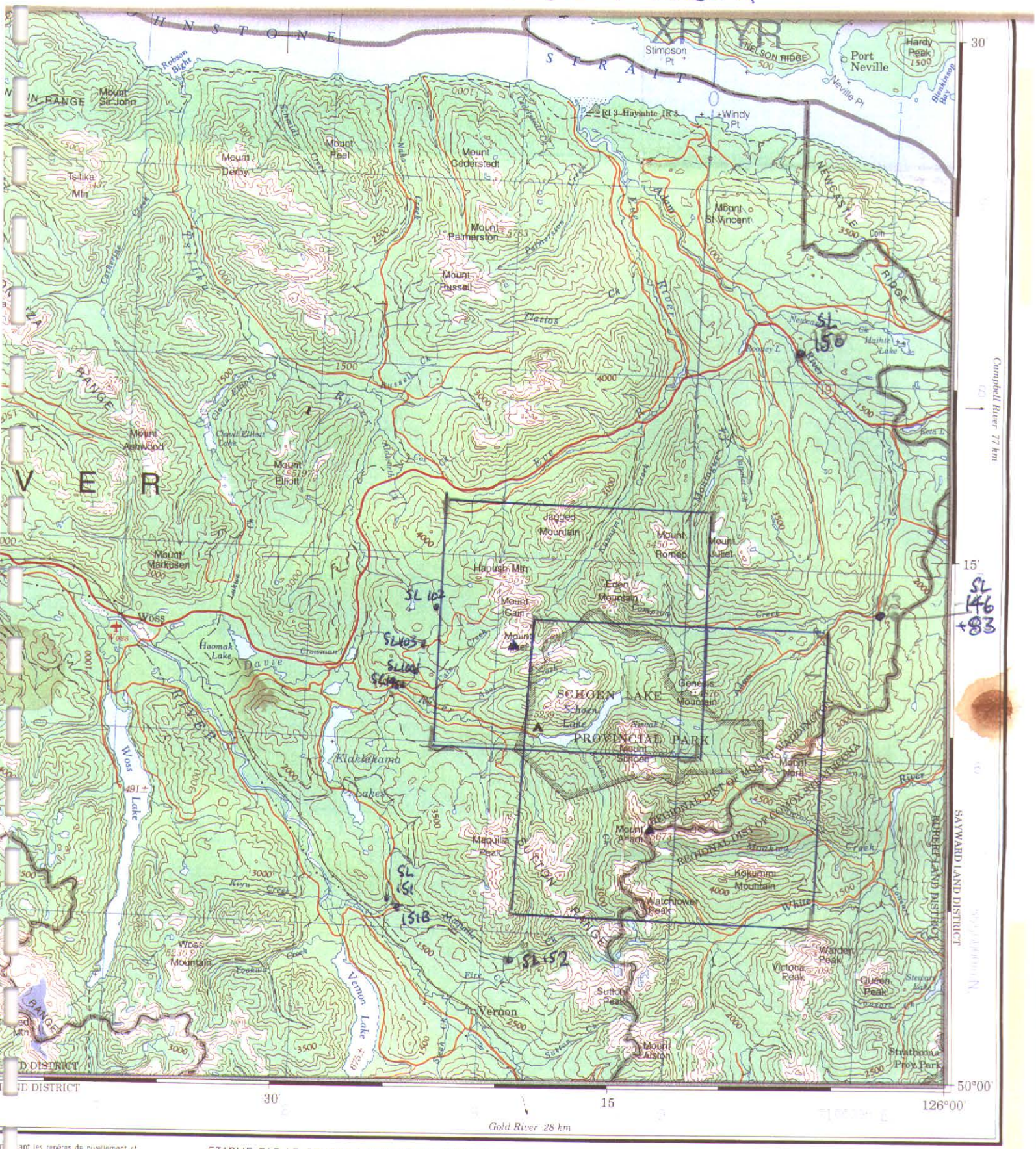
2. PROGRAM OBJECTIVE [Include original exploration target.]

See attached typescript

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached maps + typescript

NORTHERN PROJECT AREA



ETABLIE PAR LE CENTRE CANADIEN DE CARTOGRAPHIE, RESSOURCES NATURELLES CANADA. MISE À JOUR À L'AIDE DE

MIKKEL SCHAU, PROJECT 2000-95

LOCATION OF PROJECT AREA

The Northern Project Area surrounds the Schoen Lake Provincial Park, and is accessible by logging roads, some of which are quite recent. See accompanying maps. For ease of presentation, two maps at greater detail are presented; one centred on Mt Adam to the SE of the park, the other is centred on Mt Abel, to the North west of the park.

PROGRAM OBJECTIVE

In the PAP proposal it was hypothesized that along the base of the Upper Triassic Karmutsen volcanic sequence, in sills that acted as feeders to the overlying volcanic units, encased by carbon and sulphide rich shales/slates, that Platinum Group Elements would be trapped in settled sulphide blebs at the base of the feeder sills. In the north, around Schoen Lake provincial park, sills in middle Triassic, carbon and sulphide rich shales have been considered to be feeders to the overlying Karmutsen (Daonella Beds of Carlisle, 1972).

PROSPECTING RESULTS

My northern prospecting area was around the Schoen Lake Provincial Park. The appropriate section at the base of the west dipping Karmutsen Group is repeated several times, by virtue of several north-south faults. The region can be divided into two subareas of interest, Adam's Mtn showings to the southeast of Schoen Lake Park, (including upper Adam's River and Schoen Ck.) and Abel Mtn. showings to the northwest (including Kunnum Creek and Mt Cain showings). Mafic sills with sulphides were found in the carbon rich and sulphide bearing Daonella Beds a few tens of meetres below the Karmutsen contact. But the expected abundance of platinum group elements did not occur. The sills probably crystallized in closed systems and were NOT feeders to the overlying Karmutsen. Instead the sulphides have probably been introduced, or remobilized, at the time of emplacement of the nearby Jurassic Granodiorite batholiths.

It would seem that the main problem with the model is that the distinctive field characteristics that separate closed system sills from open system feeder dykes are not yet defined for this area.

Prospecting in areas selected, using the above model, have not produced any of the anticipated PGE showings, (see graph) but several interesting showings and areas were nonetheless found, especially in the northern region. The strategy followed was to drive along roads stopping frequently to check interesting localities. That the method works can be seen from the fact that the Hiway showing returns good results for copper. New logging roads were followed. A way of signalling ones presence to loggers

would be a valuable addition to the communication capability of the party.

SHOWINGS

Schoen Creek Gold showing, (staked FLAN 1, 2)
SL130C 61 gm/ton
SL130B 5 PPM

A small fault formed at an angle to a larger fault is mineralized, whereas the bulk of the faulted gabbro itself does not seem to carry gold values. The higher grade specimen is vuggy and altered, probably from weathering of sulphides. The lesser grade specimen is richer in pyrite and not so weathered, nor so vuggy. A small adjacent stream has elevated gold content in its silts, but soil above the showing, though rusty, is not anomalous.

Far more work needs to be done on this showing.

Cain Mountain Molybdenite showing
SL105C2 .036% Mo

In the quarry floor (Logging company quarry to provide road metal), away from the altered and friable granodirite, in fresher portions near the edge of the quarry, sulphides form an accessory part of the granodiorite. The sample was collected because it was stained with Malachite and contained pyrite and chalcopyrite. The elevated Mo was a pleasant surprise. I assume Mo is present as MoS2, but I have not seen it yet.

Island Highway Copper Showing
SL150C 2.17% Copper

At 250 km marker on the Island highway, rusty portions mark the contact between the upper Triassic (?) Limestone and the Jurassic Intrusives Granodiorites. The contact is complicated by a later dacitic set of dykes, which cut the garnet diopside skarn, massive magnetite layers and copper bearing apophyses of the intrusion. The best mineralized portion is about 10 m up the cliff. It appears to be located in an altered granodiorite dyke emplaced in marble. The later dykes are fresh.

AREAS OF INTEREST

Maquilla Creek Drainage has interesting talus with anomalous trace elements

Kunnum Ck contains tills with higher selected trace elements than exposed bedrock.

AREA OF NOTE

The gabbro sills on the upper Adam's River are to the first glance, the ideal candidates for the prospecting model but they have not yielded the expected PGE values. The sills even contain the predicted blebs of sulphides along the base. It is quite clear that these sills were NOT the channels through which large volumes of magma passed to form the overlying volcanic pile of Karmutsen.

Geological maps in the northern area were constructed when much of the are was still forested, now some of the cover has beeen removed and certain mapping assumptions are seen to be incorrect. The continuance of the 1:50,000 mapping already started west of area would be welcome. Jurassic Intrusives are more widespread than expected, and the fault systems currently shown are but schematic of the real situation.

GEOCHEMISTRY

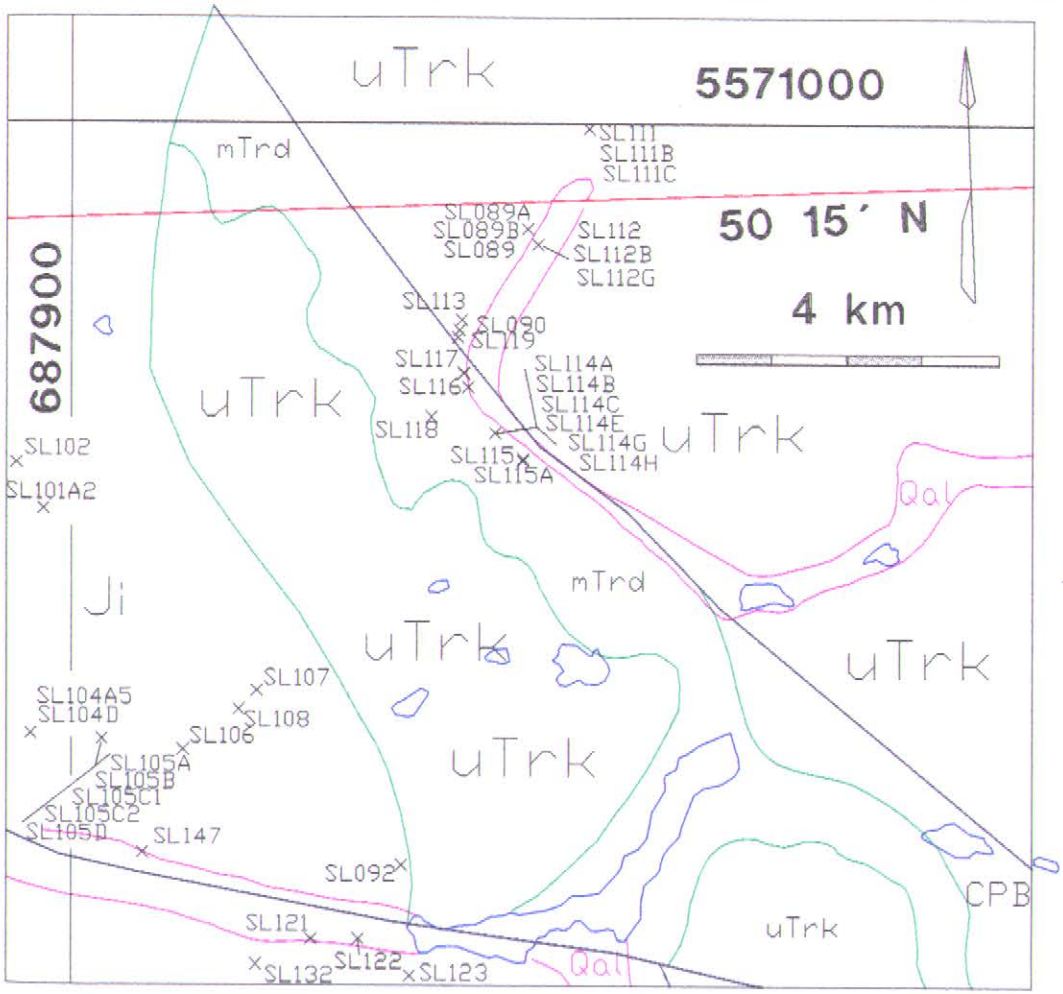
No regional surveys were carried out. Silts were taking from active streams and were considered as bulk samples from upstream. A comparison of Pd in bedrock and silts is shown in the attached graphs

GEOPHYSICS

No regional surveys were carried out. Magnetic susceptibility measurements were taken at selected points. Graphs showing the regional measurements, and the measurements subdivided into rock units, are attached. It is clear that alteration diminishes the magnetic susceptibility of granodiorites. The rest of bedrock has low values, except the magnetite skarn, which went off scale. Sulphidization seemsto increase the magnetic susceptibility, suggesting that pyrrhotite is associated with the pyrite.

OTHER

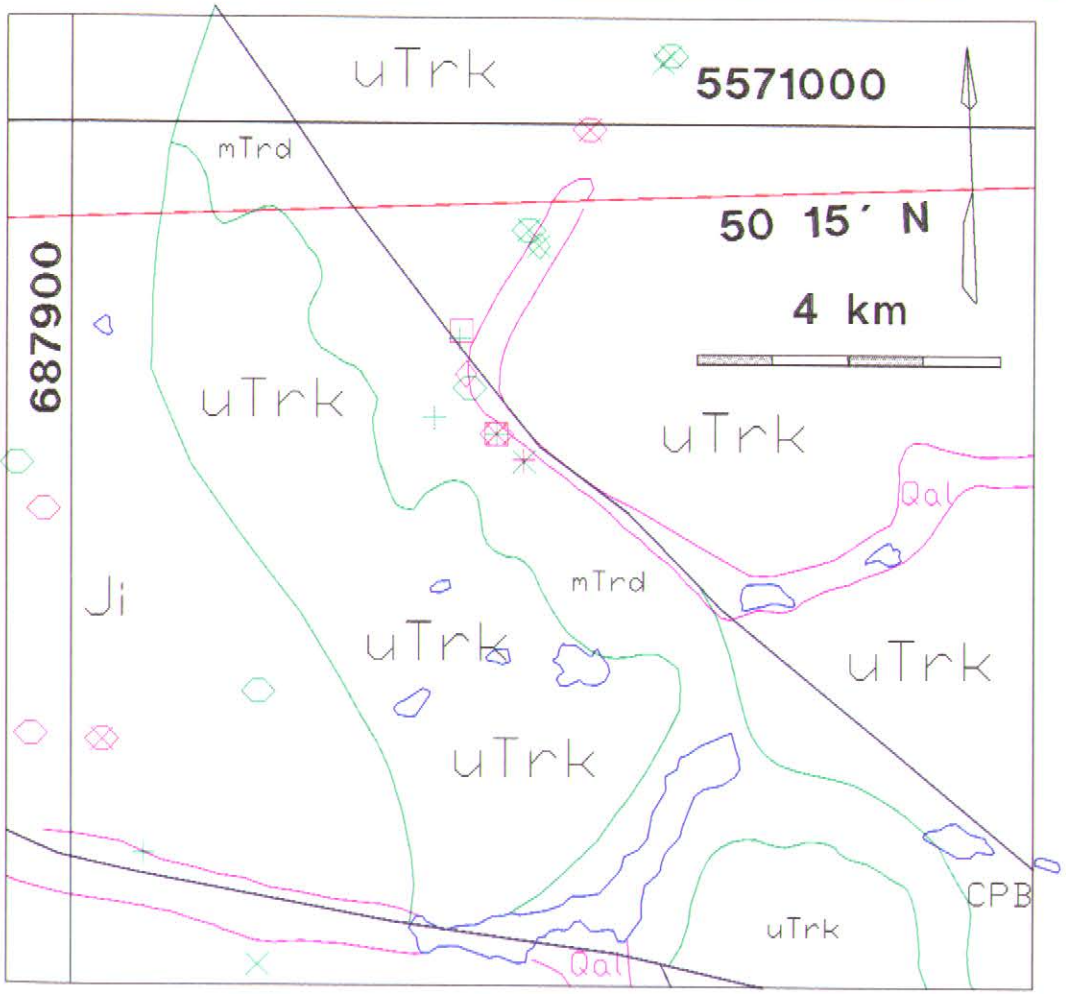
No physical work was performed. Logging companies make roads and dig quarries for road metals, these are excellent beginning places to a prospector.



P.A.P 2000
95, Schau
Northern Area
MOUNT ABEL

Assay Locations

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

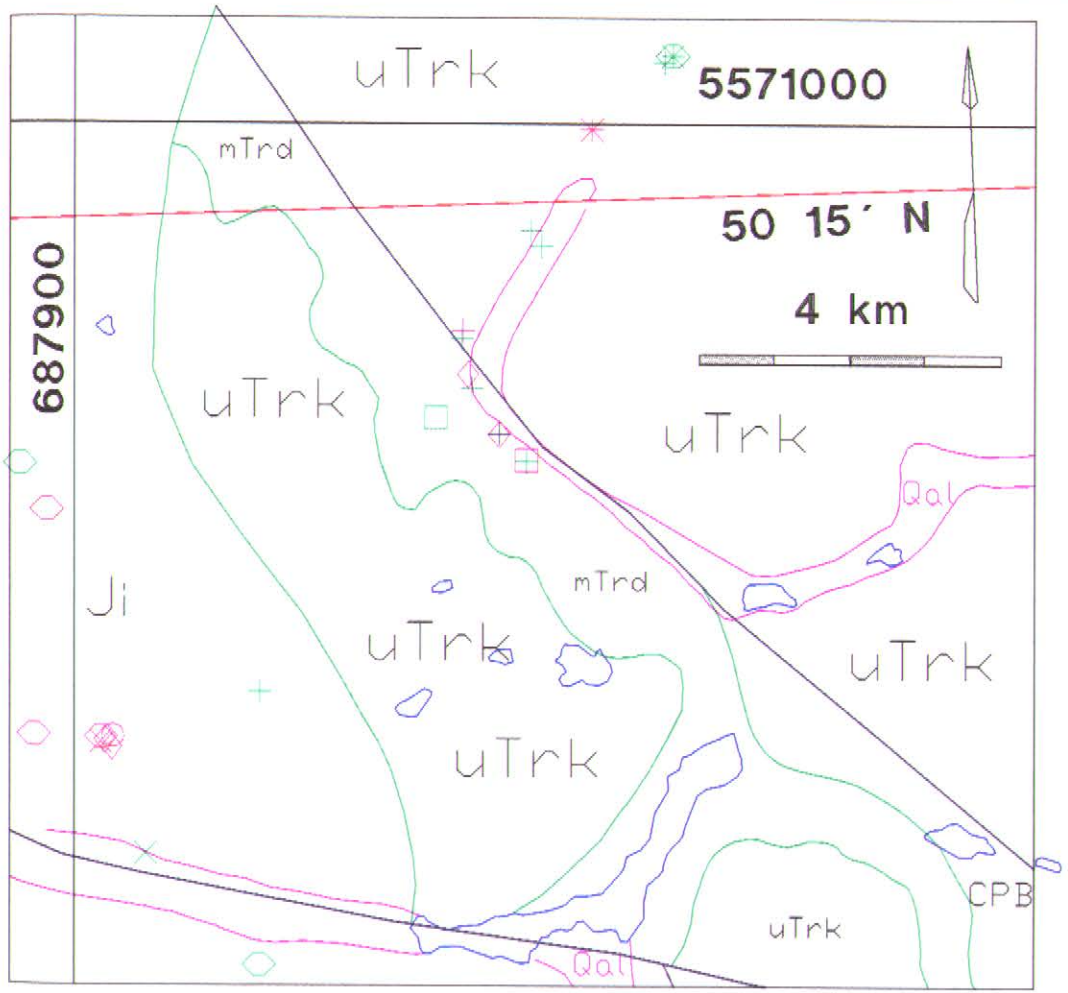


P.A.P 2000
95, Schau
Northern Area
MOUNT ABEL

Au Values

- more than 129 ppb
- 65-128 ppb
- 33-64 ppb
- 17-32 ppb
- 9-16 ppb
- 5-8 ppb
- 2-4 ppb
- less than 2 ppb

drawn by MPS, 31-01-2001, maps use NAD27 coordinates



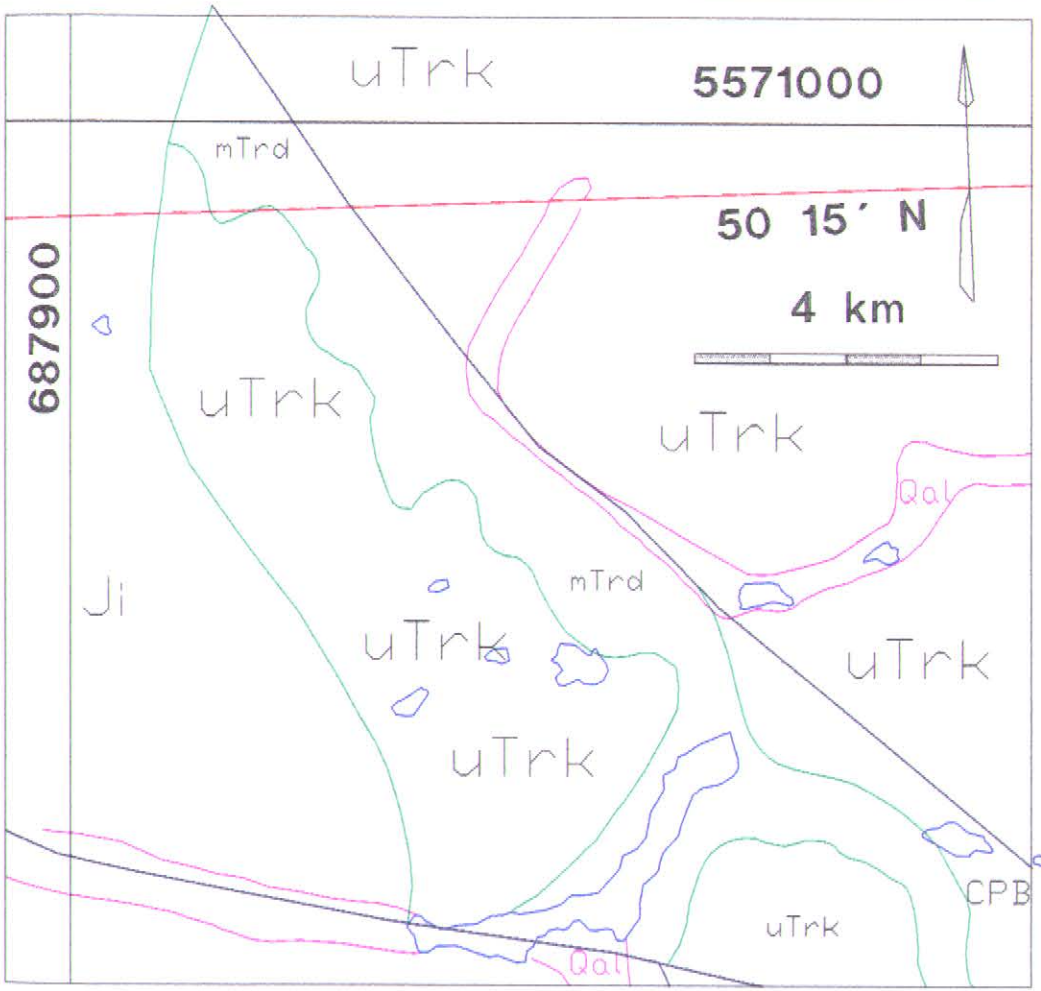
P.A.P 2000
95, Schau
Northern Area
MOUNT ABEL

Cu Values

- more than 4000 ppm
- 2000-3999 ppm
- 1000-1999 ppm
- 500-999 ppm
- 250-499 ppm
- 125-249 ppm
- 62-124 ppm
- less than 62 ppm

red=rocks, green=silts

drawn by MPS, 31-01-2001, maps use NAD27 coordinates



P.A.P 2000
95, Schau
Northern Area
MOUNT ABEL

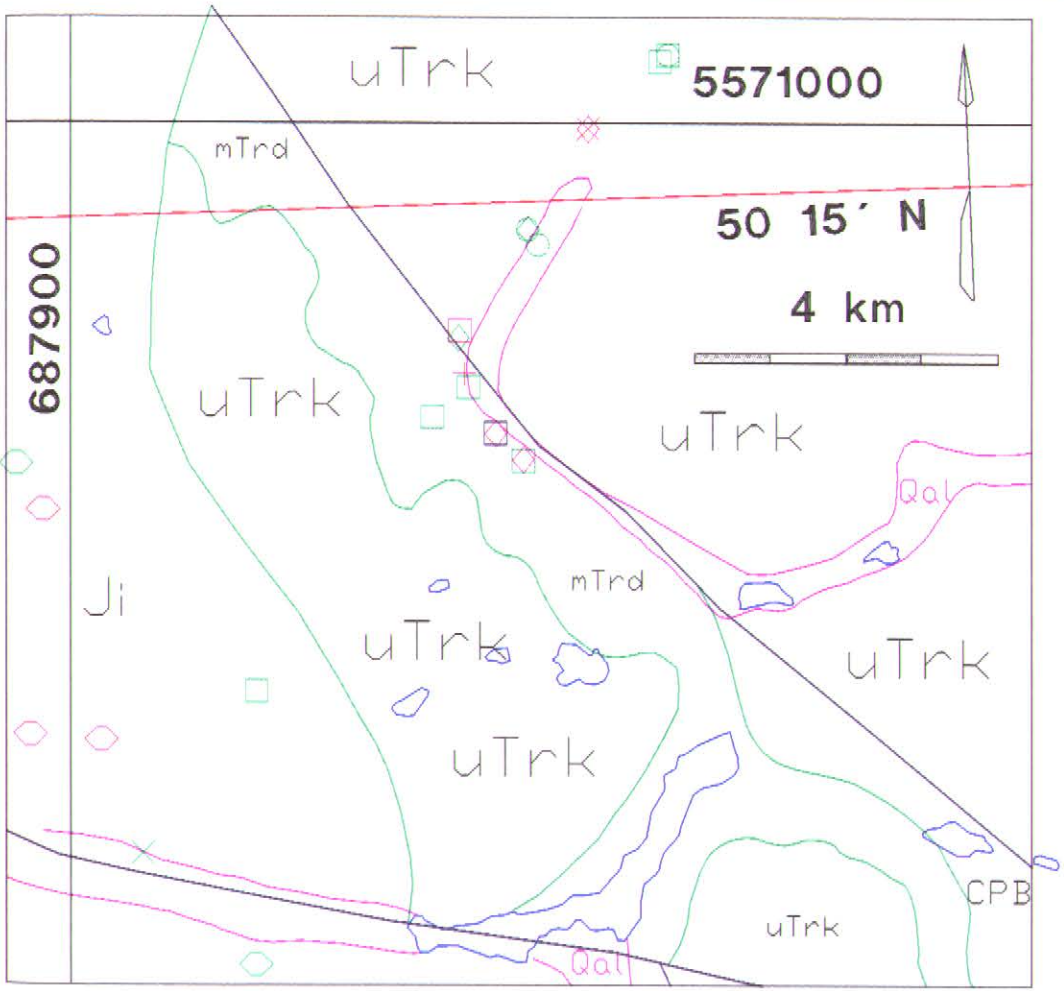
LITHOLOGY

Legend

Qal	overburden
Ji	granodiorite
uTrk	basalts
mTrd	slate/sills ×target
CPB	cherts,etc

Geology after BCGS digital map

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

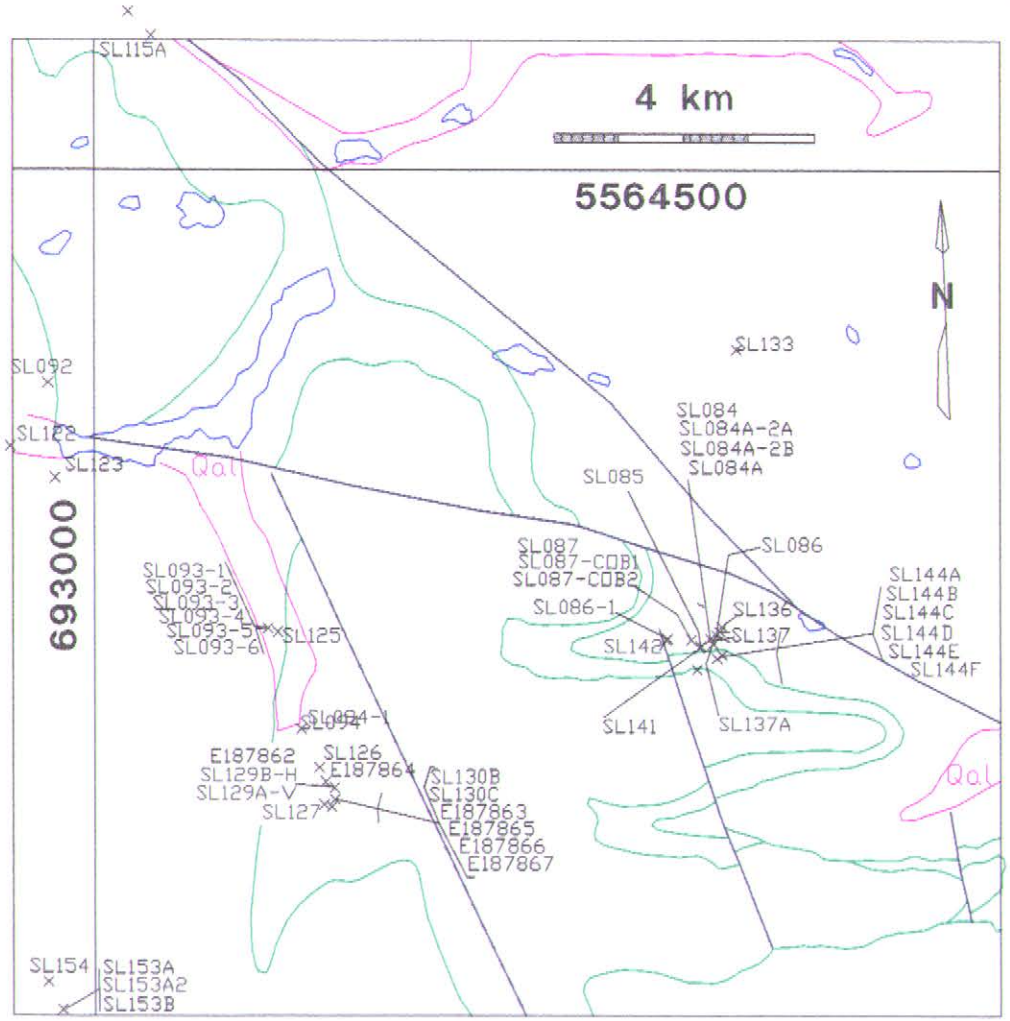


P.A.P 2000
95, Schau
Northern Area
MOUNT ABEL

Pd Values

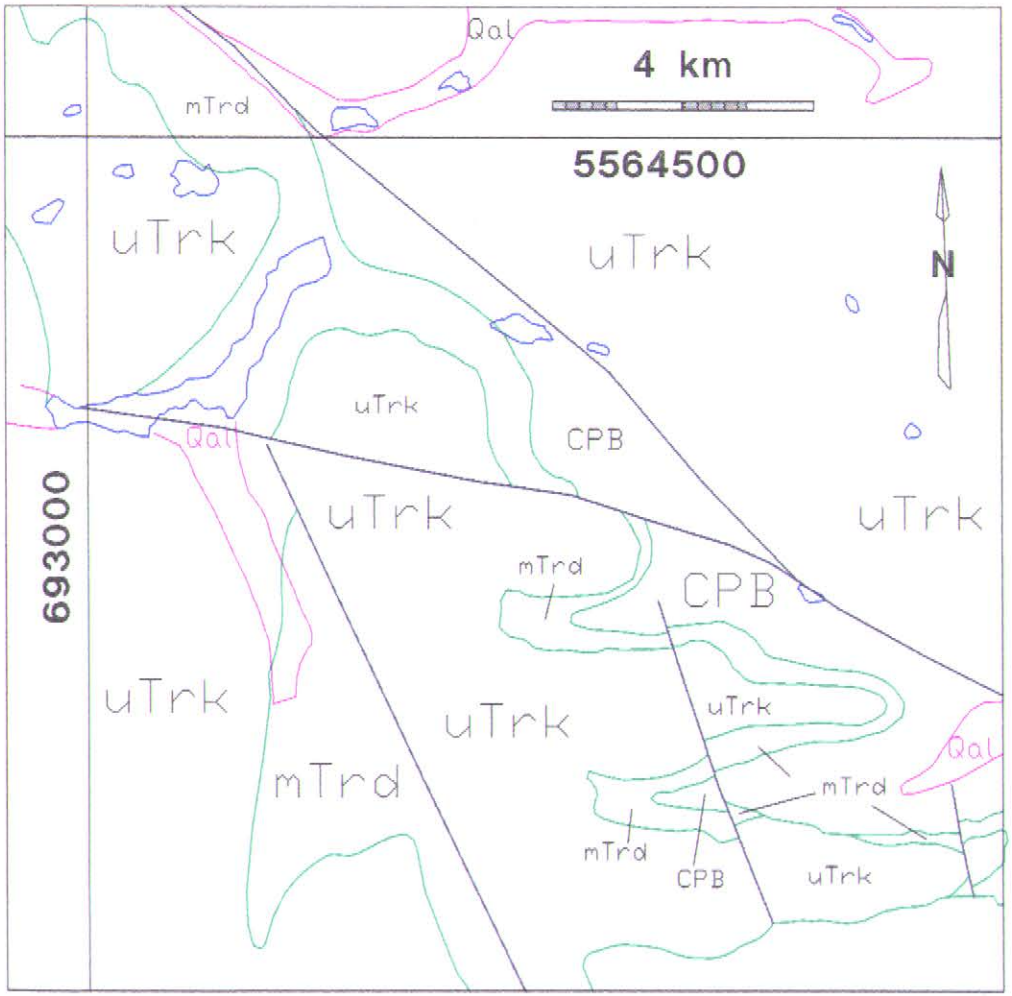
- more than 129 ppb
- 65-128 ppb
- 33-64 ppb
- 17-32 ppb
- 9-16 ppb
- 5-8 ppb
- 2-4 ppb
- less than 2 ppb

drawn by MPS, 31-01-2001, maps use NAD27 coordinates



P.A.P 2000
95, Schau
Northern Area
MOUNT ADAM
Assay Locations

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

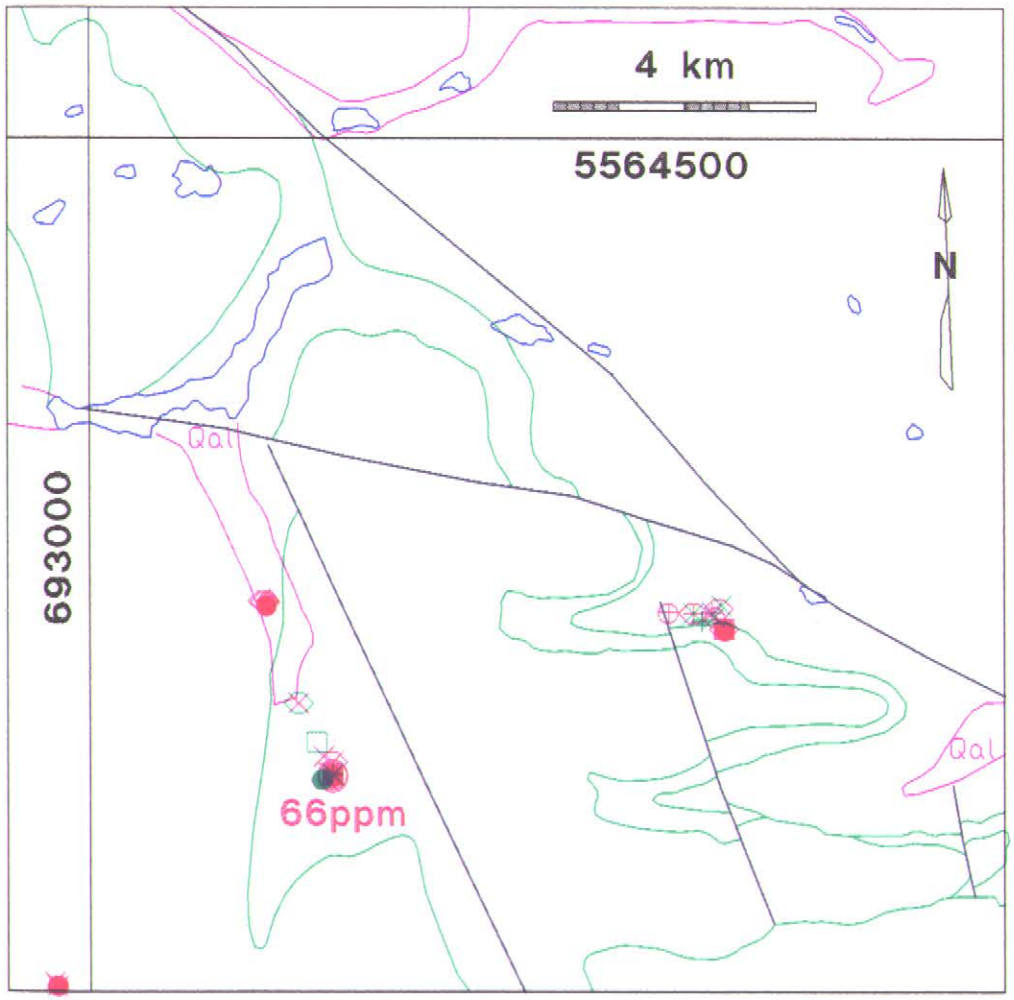


P.A.P 2000
95, Schau
Northern Area
MOUNT ADAM
LITHOLOGY
Legend

Qal	**overburden**
uTrk	**basalts**
mTrd	**slate/sills** ×target
CPB	**cherts,etc**

Geology after BCGS digital map

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

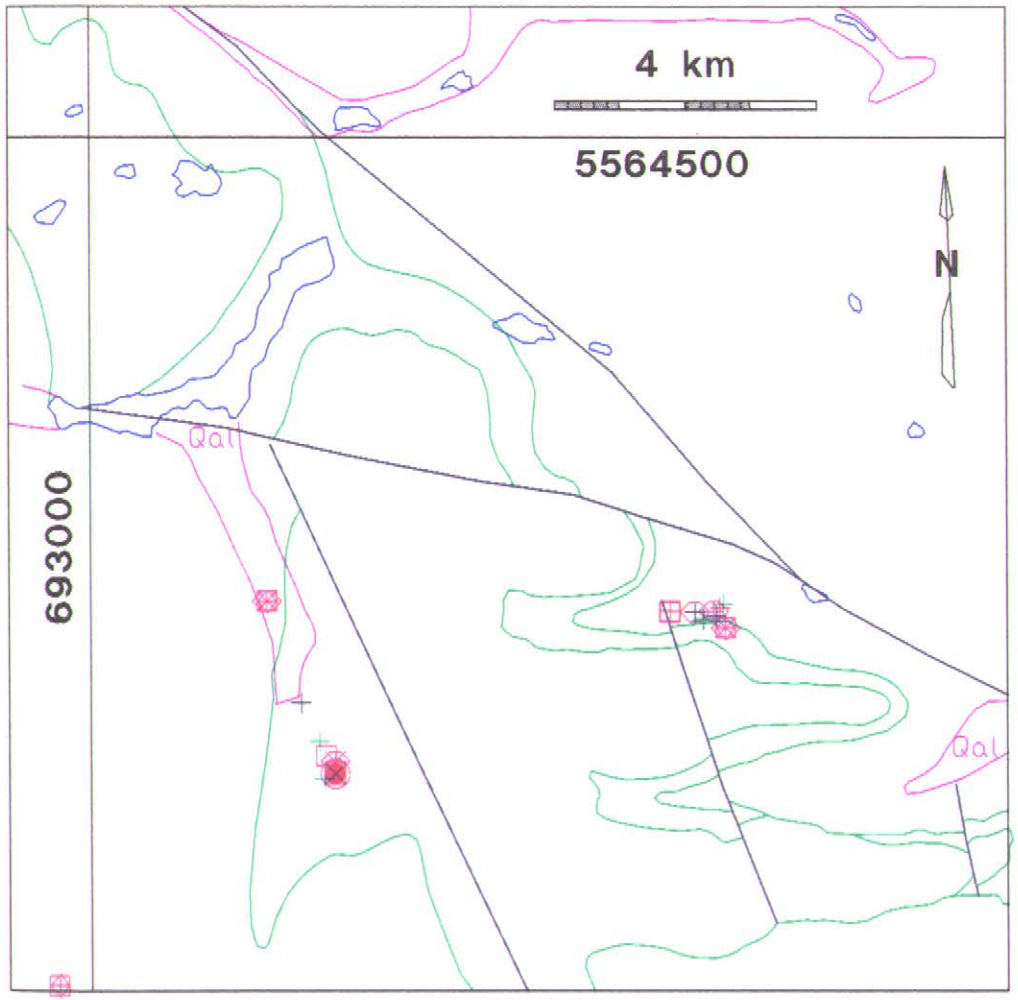


P.A.P 2000
95, Schau
Northern Area
MOUNT ADAM

Au Values

- more than 129 ppb
- 65-128 ppb
- 33-64 ppb
- 17-32 ppb
- 9-16 ppb
- 5-8 ppb
- 2-4 ppb
- less than 2 ppb

drawn by MPS, 31-01-2001, maps use NAD27 coordinates



P.A.P 2000
95, Schau
Northern Area
MOUNT ADAM
Cu Values

- more than 4000 ppm
- 2000-3999 ppm
- 1000-1999 ppm
- 500-999 ppm
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red=rocks, green=silts

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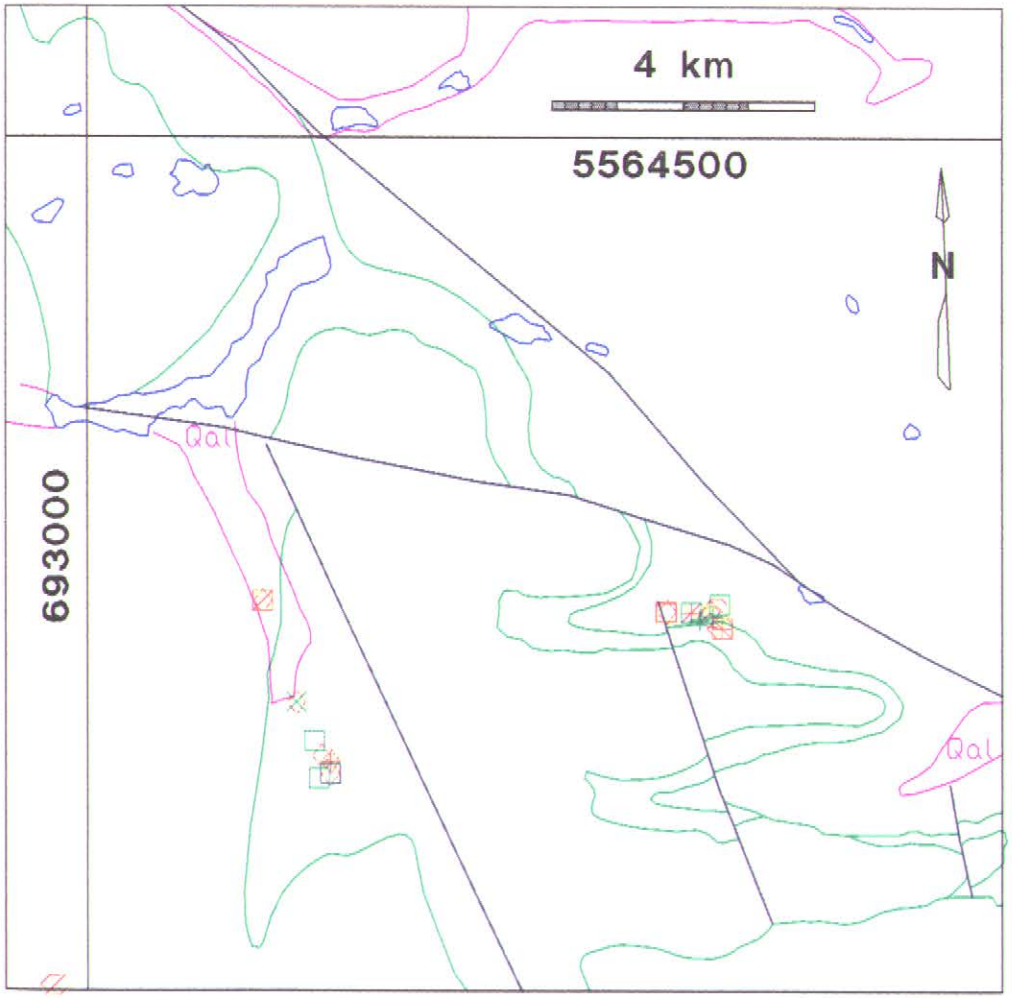

P.A.P 2000
95, Schau
Northern Area
MOUNT ADAM

Pd Values

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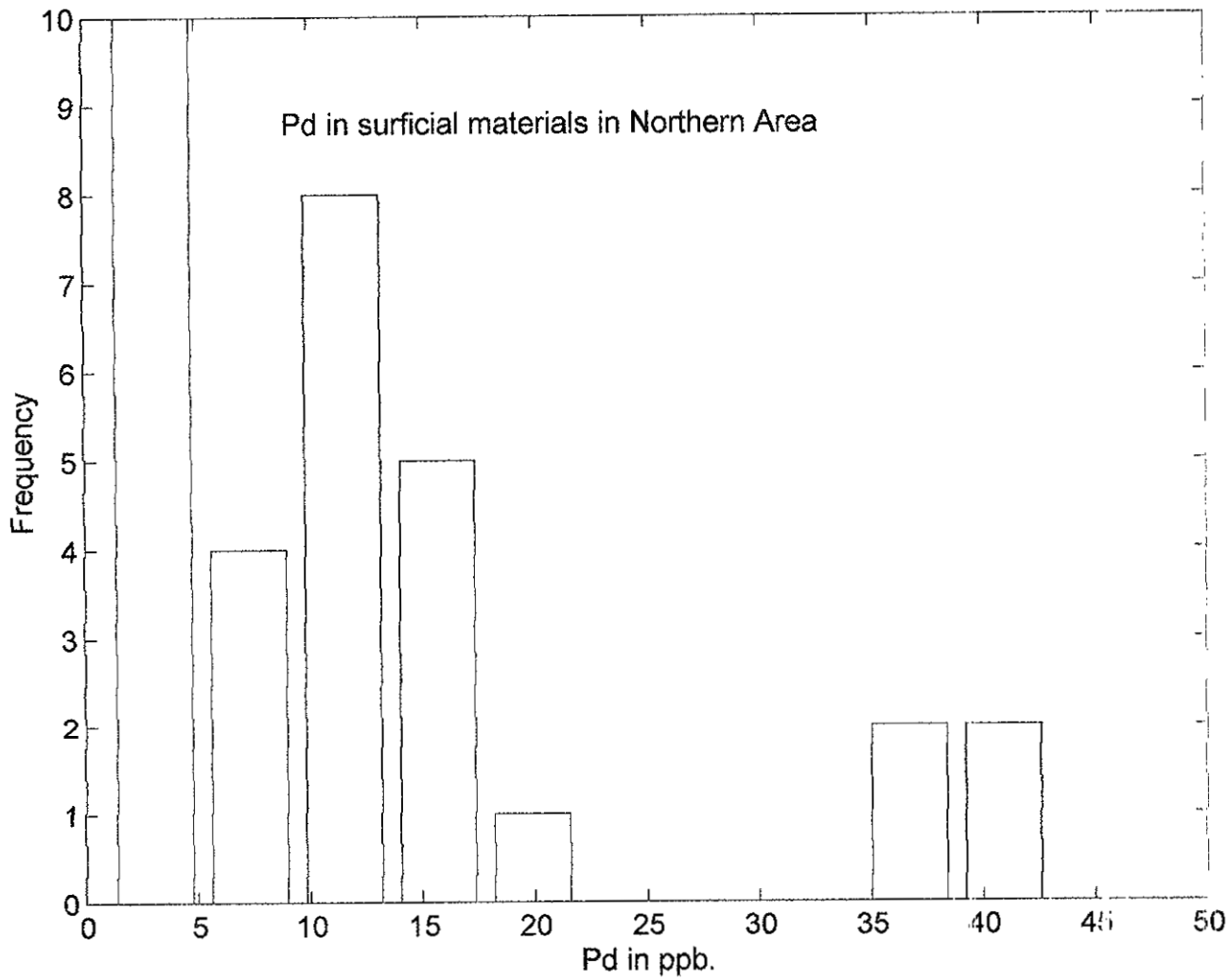
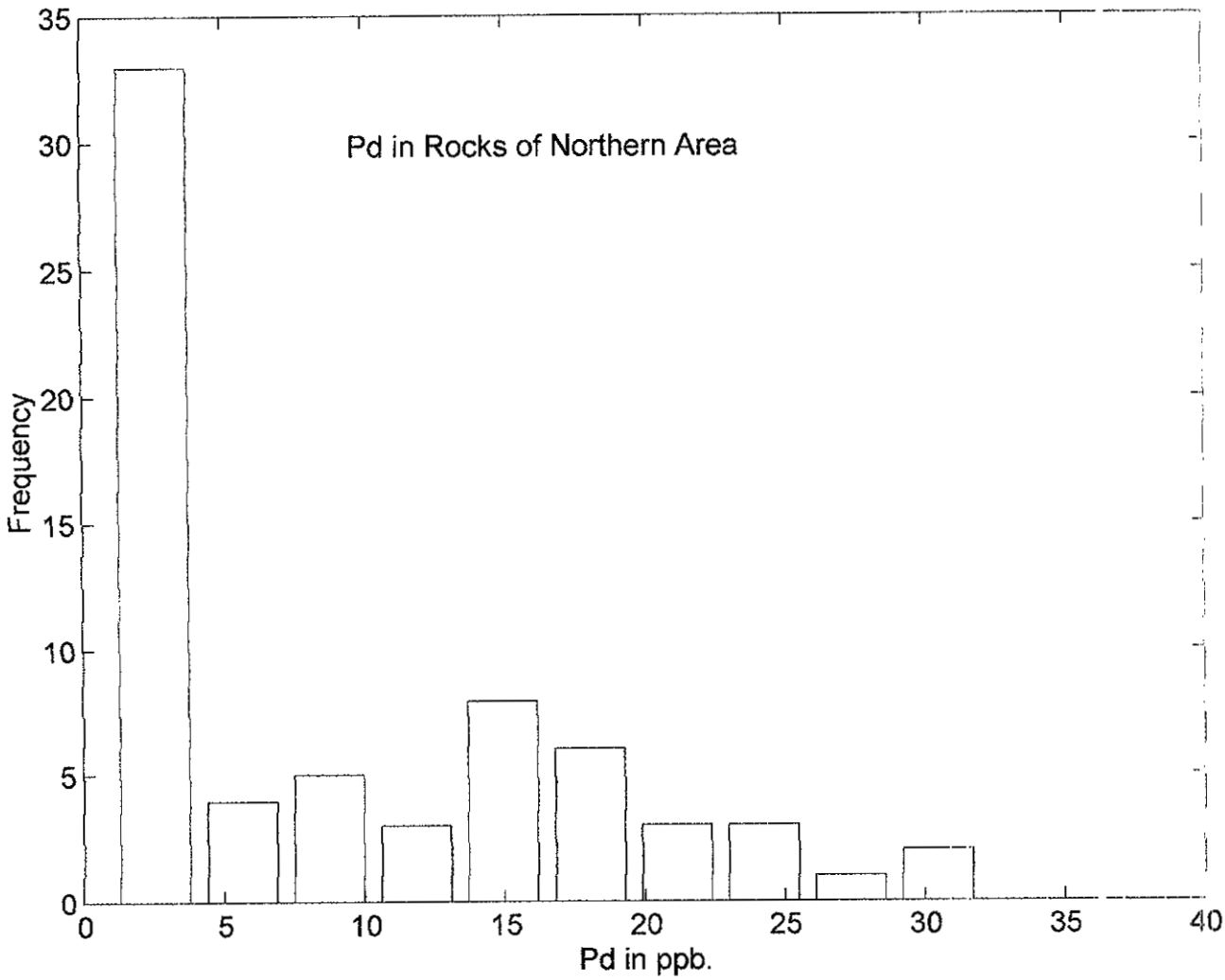
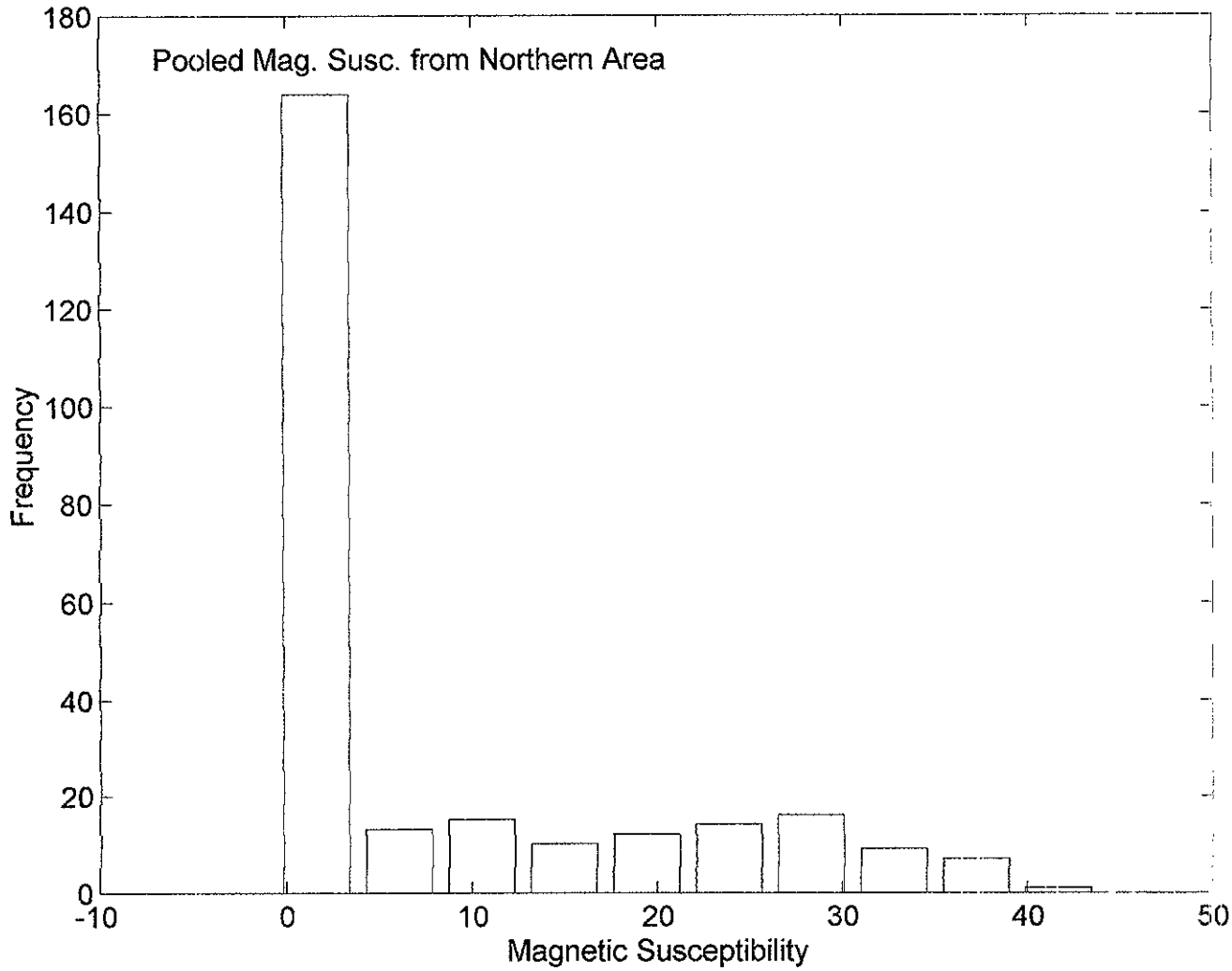
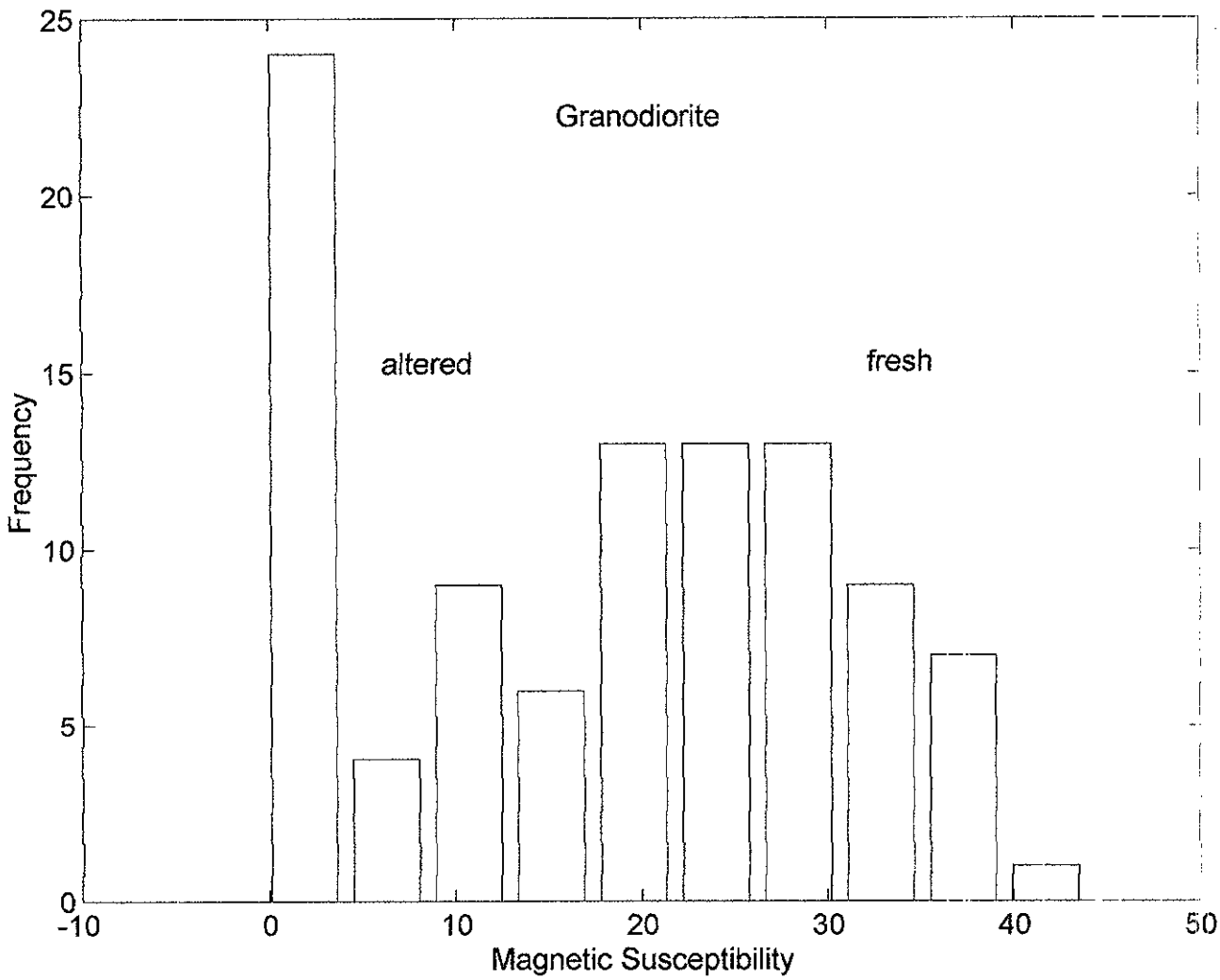
- 2-4 ppb
- less than 2 ppb

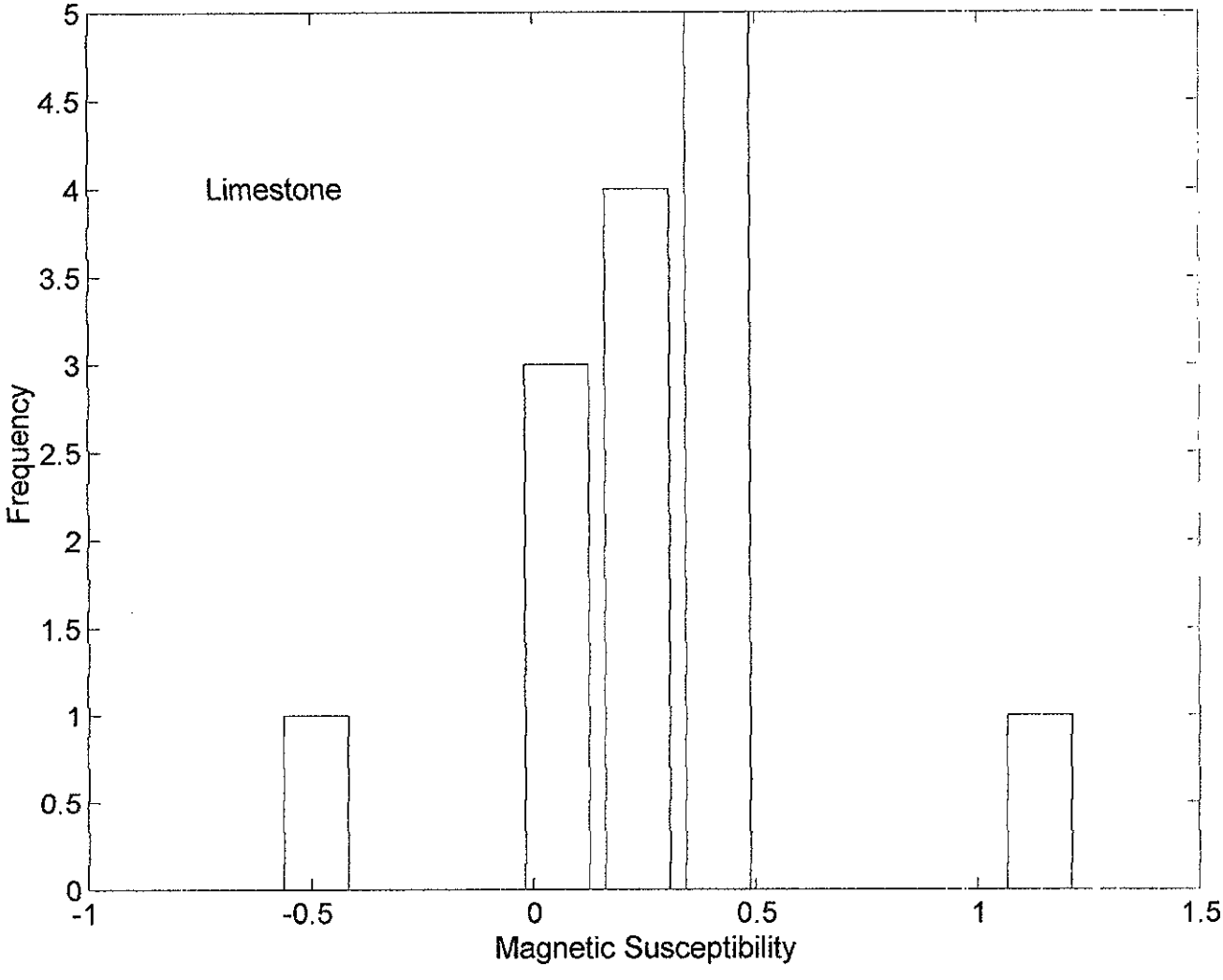
drawn by MPS, 31-01-2001, maps use NAD27 coordinates

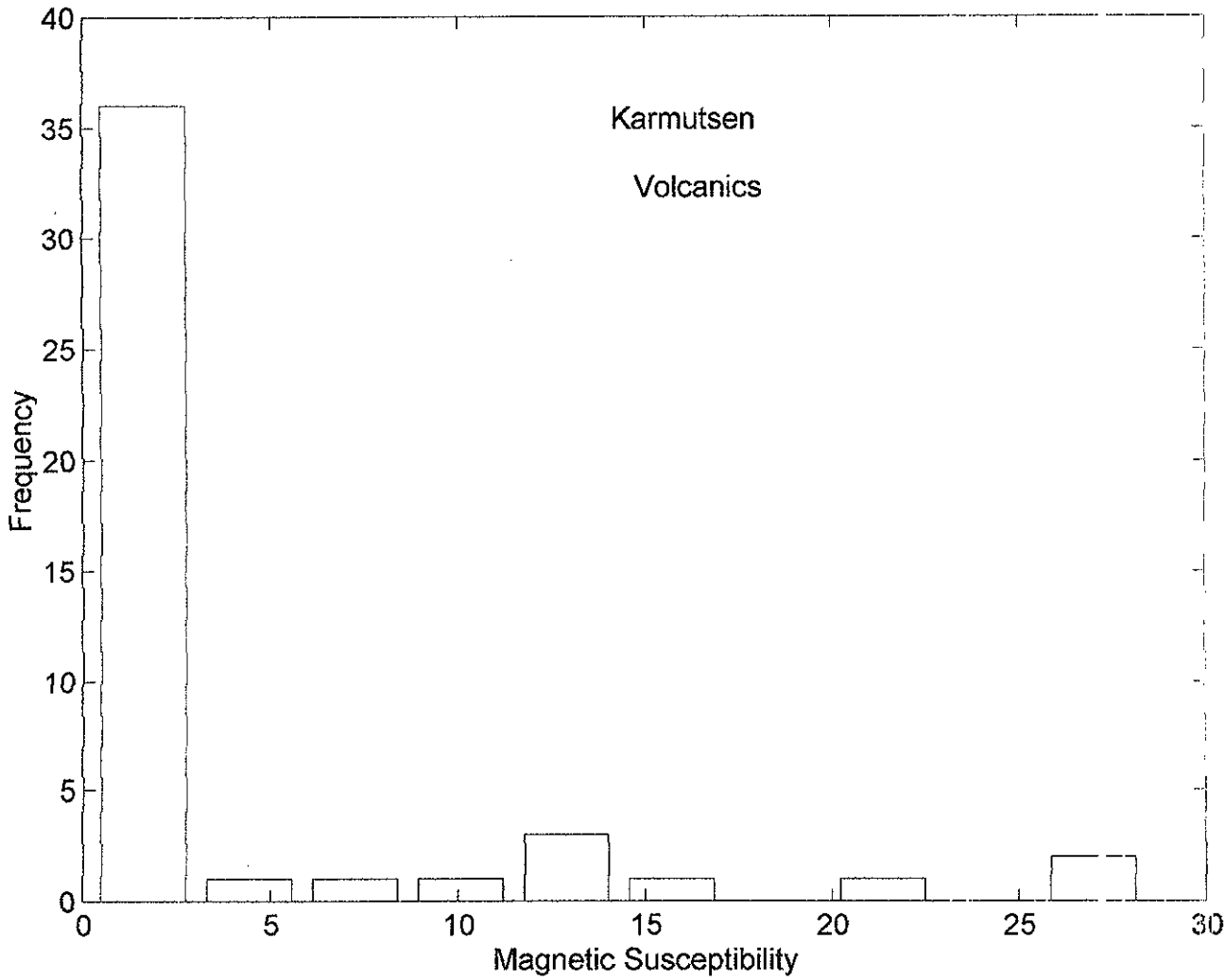

Pd in surficial materials in Northern Area
Frequency
Pd in ppb.
0
1
2
3
4
5
6
7
8
9
10
0
5
10
15
20
25
30
35
40
45
50

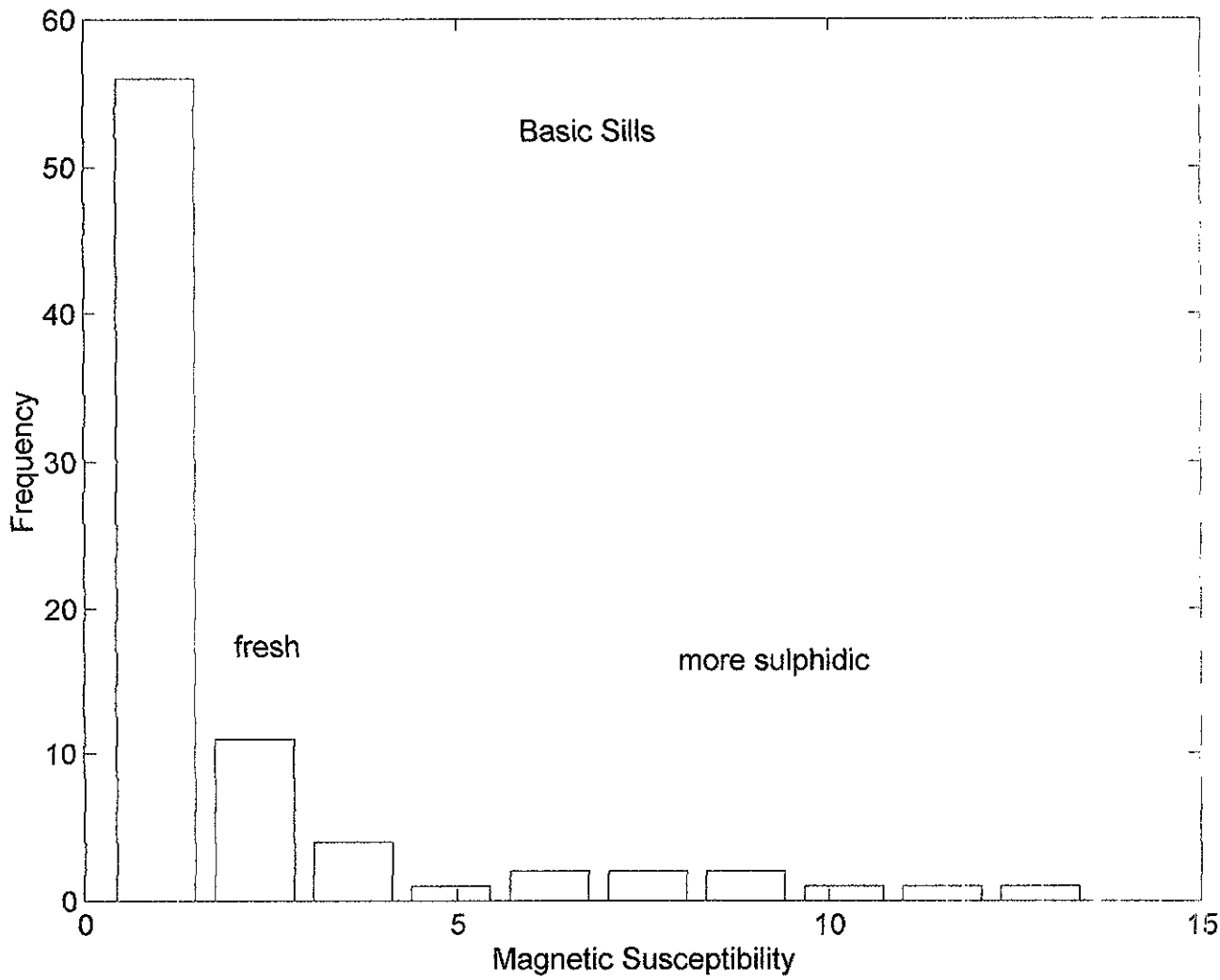

Pd in Rocks of Northern Area
Frequency
Pd in ppb.
0
5
10
15
20
25
30
35
40

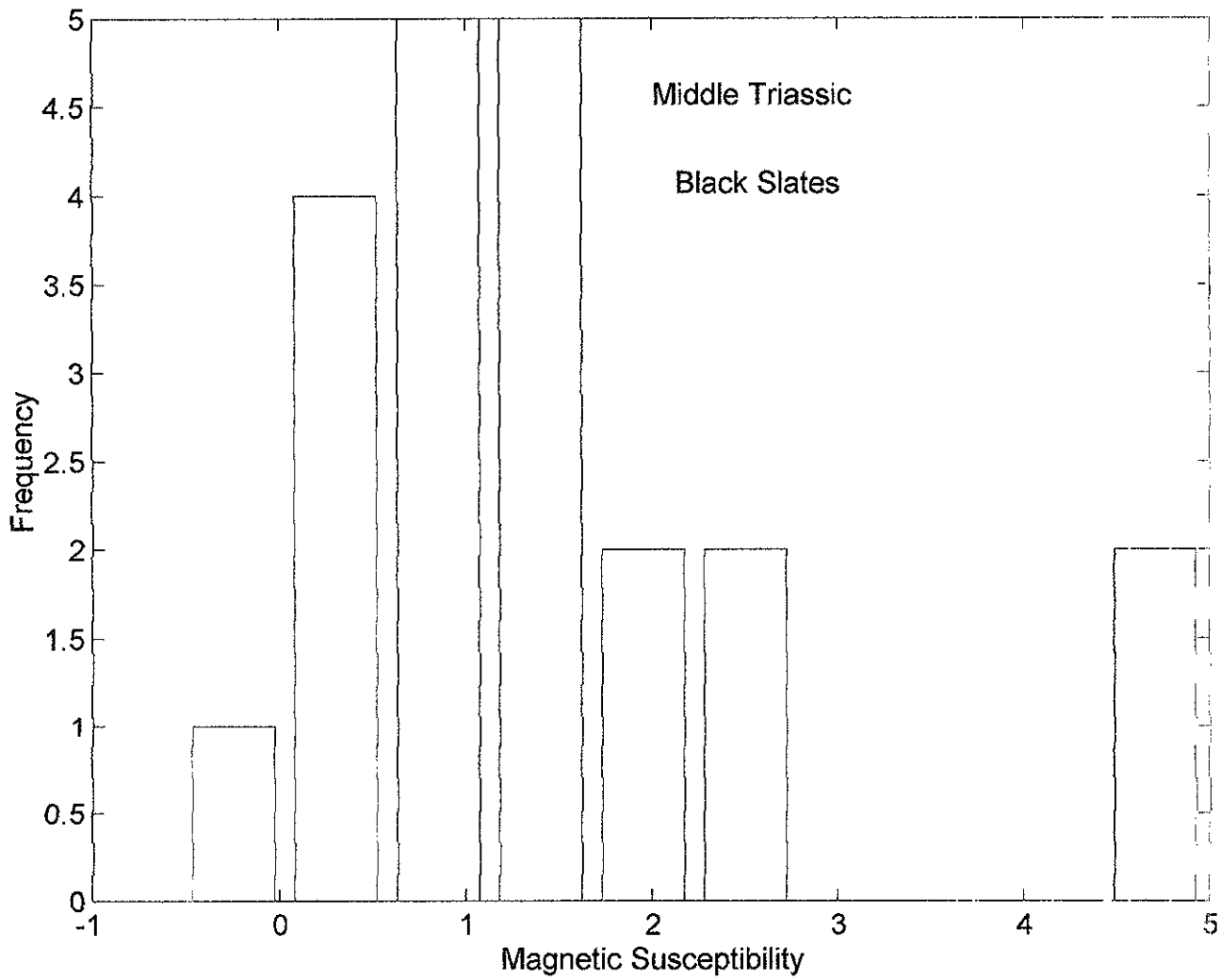

Pooled Mag. Susc. from Northern Area
Frequency
Magnetic Susceptibility
180
160
140
120
100
80
60
40
20
0
-10
0
10
20
30
40
50


Granodiorite
altered
fresh
Frequency
Magnetic Susceptibility
25
20
15
10
5
0
-10
0
10
20
30
40
50


Limestone
Frequency
Magnetic Susceptibility
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
-1
-0.5
0
0.5
1
1.5


Karmutsen
Volcanics
Frequency
Magnetic Susceptibility
0
5
10
15
20
25
30
35
40


Basic Sills
fresh
more sulphidic
Frequency
Magnetic Susceptibility
0
10
20
30
40
50
60
0
5
10
15


Middle Triassic
Black Slates
Frequency
Magnetic Susceptibility
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
-1
0
1
2
3
4
5

Analyzed samples from Northern Region, clumped by geography

			Pd	Pt	Au	(in ppb)	
UPPER ADAM RIVER							
SL082	,R	,SL82-1,	<2	,<2	,4	SKARN	
SL083	,R	,SL83-1,	2	,2	,390	KARMUTSEN	
SL084	,R	,SL84-1,	<2	,3	,<2	BLACK SLATE W/SU	
SL084A	,R	,SL84A1,	22	,2	,8	TALUS, SILL	
SL084A-2A	,R	,SL84A2,	3	,<2	,3	BLACK SLATE	
SL084A-2B	,R	,SL84A2,	3	,<2	,5	BLACK SLATE	
SL085	,S	,SL85 ,	8	,3	,6	silt	
SL086	,R	,SL86 ,	9	,5	,6	HORNBLENDE RICH SILL	
SL086-1	,R	,SL86-1,	22	,5	,5	LIMONITE CEMENT HBITE BRECCIA	
SL087	,S	,SL87 ,	11	,<2	,2	silt	
SL087-COB1	,R	,SL87C1,	5	,5	,7	RIVER COBBLES	
SL087-COB2	,R	,SL87C2,	4	,3	,<2	RIVER COBBLES	
SL136	,S	,SL136 ,	10	,<2	,4	silt	
SL137	,S	,SL137 ,	5	,2	,3	silt	
SL137A	,R	,SL137A,	<2	,<2	,62	COBBLE	
SL141	,S	,SL141 ,	8	,5	,5	silt	
SL142	,R	,SL142 ,	16	,2	,36	QUARRY, in gabbro sill	
SL144A	,R	,SL144A,	6	,10	,4	another gabbro sill	
SL144B	,R	,SL144B,	8	,7	,7	DO	
SL144C	,R	,SL144C,	<2	,3	,<2	DO	
SL144D	,R	,SL144D,	2	,<2	,82	DO 529 ppm Cu	
SL144E	,R	,SL144E,	10	,<2	,16	DO	
SL144F	,R	,SL144F,	<2	,<2	,47	DO	
SL146A	,R	,SL146A,	4	,<2	,<2	Karmutsen QUARRY	
SL146BH	,R	,SL146H,	13	,4	,4	DO , host to vein	
SL146BV	,R	,SL146V,	2	,<2	,<2	DO carb vein	
SL146C	,R	,SL146C,	18	,3	,5	DO mafic host rock	
SCHOEN CREEK							
SL093-1	,R	,SL93-1,	4	,<2	,5	TALUS PIECES, PAL. RUSTY chert	
SL093-2	,R	,SL93-2,	9	,4	,18	DO	
SL093-3	,R	,SL93-3,	17	,4	,72	DO	
SL093-4	,R	,SL93-4,	4	,<2	,<2	DO	
SL093-5	,R	,SL93-5,	2	,<2	,<2	DO	
SL093-6	,R	,SL93-6,	3	,2	,<2	DO	
SL094	,S	,SL94 ,	3	,<2	,<2	silt	
SL094-1	,R	,SL94-1,	20	,4	,4	COBBLE WITH SULPH	
SL126	,S	,SL126 ,	12	,5	,11	silt	
SL127	,S	,SL127 ,	15	,4	,76	silt	
SL128A	,R	,187864,	32	,2	,2	gabbro sill w/ pyrite	
SL129A-v	,R	,SL129A,	5	,3	,<2	carb vein in sill	
SL129B-h	,R	,SL129B,	19	,6	,2	host rock adjacent to vein	
SL129B		187862,	25	,4	,4	WR 4A-B, sill	
SL130A		187863,	16	,<2	,3	WR 4A-B, sill	
SL130B	,R	,SL130B,	24	,<2	,6244	ASSAY, AU, sill	
SL130C	,R	,SL130C,	13	,<2	,67786	ASSAY,AU, sill	
SL130X-1		187865,	32	,5	,9	TALUS FROM SHOWING	
SL130X-2		187866,	15	,3	,2	SOIL ABOVE SHOWING	
SL130X-3		187867,	14	,3	,6	GOSSANY SOIL ABOVE 130A	
SL132	,S	,SL132 ,	<2	,<2	,2	silt	

KUNNUM CREEK

SL088	,R	,SL88-1,15	,4	,5	HORNBLENDITE WITH SULPH
SL089A	,T	,SL89A ,36	,8	,2	RUSTY SILTS
SL089B	,O	,SL89B ,22	,4	,<2	ORGANIC OOZE
SL090	,R	,SL90-1,9	,4	,9	HORNBLENDITE BRECCIA,
SL091A	,S	,SL91A ,<2	,2	,18	silt
SL091B	,S	,SL91B ,5	,2	,3	silt
SL109A	,S	,SL109A,37	,4	,3	SILT
SL109B	,O	,SL109B,9	,<2	,<2	organic rusty ooze
SL109C	,O	,SL109C,10	,5	,2	organic rusty ooze
SL110	,O	,SL110 ,9	,2	,3	organic rich silt
SL111B	,R	,SL111B,3	,3	,<2	OLD QUARRY in Karmutsen
SL111C	,R	,SL111C,17	,2	,4	OLD QUARRY do
SL112B	,T	,SL112B,43	,<2	,20	TILL,BRN
SL112G	,T	,SL112G,42	,5	,4	TILL GREY
SL114	,S	,SL114 ,14	,2	,6	silt
SL114A	,R	,SL114A,19	,8	,<2	MAFIC SILL, gabbroic
SL114B	,R	,SL114B,15	,6	,2	DO
SL114C	,R	,SL114C,17	,3	,2	DO 907ppm Cu,100 ppm Ni
SL114E	,R	,SL114E,15	,4	,2	DO
SL114G	,R	,SL114G,16	,<2	,<2	DO
SL114H	,R	,SL114H,24	,<2	,15	DO
SL115	,R	,SL115 ,27	,6	,5	another mafic SILL UP THE ROAD
SL115A	,S	,SL115A,13	,2	,2	silt
SL116	,S	,SL116 ,13	,2	,<2	silt
SL117	,R	,SL117 ,5	,4	,29	FLOAT
SL118	,S	,SL118 ,15	,<2	,7	silt
SL119	,S	,SL119 ,17	,2	,5	silt

CONCLUSION, TILL HIGHER THAN MOST ROCKS IN CREEK WATER SHED OR IN AREA

CAIN MTN

SL100C	,R	,SL100C,<2	,<2	,<2	granodiorite, altered
SL101A2	,R	,SL1012,<2	,<2	,<2	do
SL102	,O	,SL102 ,<2	,<2	,<2	do
SL104A5	,R	,SL1045,<2	,<2	,<2	do
SL104D	,R	,SL104D,<2	,<2	,<2	do
SL105A	,R	,SL105A,<2	,<2	,<2	do BIG QUARRY
SL105B	,R	,SL105B,<2	,4	,2	do
SL105C1	,R	,SL1051,<2	,<2	,2	do, fresh w/sulphides
SL105C2	,R	,SL1052,<2	,<2	,<2	do, do
SL105D	,R	,SL105D,<2	,<2	,<2	late andesite dyke
SL107	,S	,SL107 ,10	,2	,<2	granodiorite

DAVIES ROAD

SL147	,S	,SL147 ,4	,<2	,7	silt
SL148	,S	,SL148 ,3	,3	,<2	silt
SL149	,S	,SL149 ,2	,2	,3	silt

NO ENCOURAGING SIGNS HERE

HIGHWAY SITE (SKARN IN LIMESTONE)

SL150A	,R	,SL150A,<2	,<2	,2	
SL150C	,R	,SL150C,3	,<2	,<2	
SL150D	,R	,SL150D,<2	,<2	,<2	

SL150E	,R	,SL150E,12	,<2	,20	MALACHITE RICH CONTACT
MAQUILLA CREEK					
SL151	,S	,SL151 ,2	,<2	,4	silt
SL151B	,S	,SL151B,10	,<2	,5	silt
SL152	,R	,SL152 ,2	,<2	,2	IN SITU FAULT ZONE, Karmutsen?
SL153A	,R	,SL153A,2	,<2	,3	TALUS, cherty tuff
SL153A2	,R	,SL1532,<2	,<2	,6	TALUS cherty tuff
SL153B	,R	,SL153B,<2	,<2	,69	TALUS cherty tuff
SL155	,S	,SL155 ,14	,<2	,3	silt

Northern Area, locations and summary assays

					----- ppb -----			ppm
assay #	UTME	UTMN	Z	kind	Pd	Pt	Au	Cu
E187862	,696720	,5555011	,9	,R	,25	,4	,4	,174
E187863	,696717	,5554827	,9	,R	,16	,<2	,3	,236
E187864	,696580	,5555100	,9	,R	,32	,2	,2	,401
E187865	,696717	,5554827	,9	,R	,32	,5	,9	,301
E187866	,696717	,5554827	,9	,S	,15	,3	,2	,87
E187867	,696717	,5554827	,9	,S	,14	,3	,6	,102
SL082	,711615	,5572241	,9	,R	,<2	,<2	,4	,104
SL083	,710181	,5567555	,9	,R	,2	,2	,390	,7
SL084	,702599	,5557354	,9	,R	,<2	,3	,<2	,213
SL084A	,702500	,5557300	,9	,R	,22	,2	,8	,229
SL084A-2A	,702500	,5557300	,9	,R	,3	,<2	,3	,19
SL084A-2B	,702500	,5557300	,9	,R	,3	,<2	,5	,21
SL085	,702349	,5557182	,9	,S	,8	,3	,6	,158
SL086	,701841	,5557302	,9	,R	,9	,5	,6	,177
SL086-1	,701841	,5557302	,9	,R	,22	,5	,5	,295
SL087	,702212	,5557289	,9	,S	,11	,<2	,2	,235
SL087-COB1	,702212	,5557289	,9	,R	,5	,5	,7	,137
SL087-COB2	,702212	,5557289	,9	,R	,4	,3	,<2	,20
SL088	,696451	,5573573	,9	,R	,15	,4	,5	,132
SL089A	,693940	,5569608	,9	,T	,36	,8	,2	,172
SL089B	,693940	,5569608	,9	,O	,22	,4	,<2	,158
SL090	,693046	,5568282	,9	,R	,9	,4	,9	,168
SL091A	,696377	,5573049	,9	,S	,<2	,2	,18	,164
SL091B	,696377	,5573049	,9	,S	,5	,2	,3	,151
SL093-1	,695686	,5557456	,9	,R	,4	,<2	,5	,43
SL093-2	,695686	,5557456	,9	,R	,9	,4	,18	,721
SL093-3	,695686	,5557456	,9	,R	,17	,4	,72	,378
SL093-4	,695686	,5557456	,9	,R	,4	,<2	,<2	,74
SL093-5	,695686	,5557456	,9	,R	,2	,<2	,<2	,51
SL093-6	,695686	,5557456	,9	,R	,3	,2	,<2	,135
SL094	,696200	,5555911	,9	,S	,3	,<2	,<2	,136
SL094-1	,696200	,5555911	,9	,R	,20	,4	,4	,209
SL100C	,685918	,5563305	,9	,R	,<2	,<2	,<2	,13
SL101A2	,687531	,5565912	,9	,R	,<2	,<2	,<2	,14
SL102	,687170	,5566518	,9	,O	,<2	,<2	,<2	,29
SL104A5	,687362	,5562950	,9	,R	,<2	,<2	,<2	,4
SL104D	,687362	,5562950	,9	,R	,<2	,<2	,<2	,9
SL105A	,688304	,5562887	,9	,R	,<2	,<2	,<2	,15
SL105B	,688304	,5562887	,9	,R	,<2	,4	,2	,1619
SL105C1	,688304	,5562887	,9	,R	,<2	,<2	,2	,691
SL105C2	,688304	,5562887	,9	,R	,<2	,<2	,<2	,732
SL105D	,688304	,5562887	,9	,R	,<2	,<2	,<2	,81
SL107	,690367	,5563523	,9	,S	,10	,2	,<2	,190
SL109A	,695800	,5571906	,9	,S	,37	,4	,3	,137
SL109B	,695800	,5571906	,9	,O	,9	,<2	,<2	,27
SL109C	,695800	,5571906	,9	,O	,10	,5	,2	,87
SL110	,695694	,5571818	,9	,O	,9	,2	,3	,175
SL111B	,694741	,5570933	,9	,R	,3	,3	,<2	,109
SL111C	,694741	,5570933	,9	,R	,17	,2	,4	,248
SL112B	,694075	,5569406	,9	,T	,43	,<2	,20	,134

SL112G	,694075	,5569406,9	,T	,42	,5	,4	,177
SL114	,693520	,5566925,9	,S	,14	,2	,6	,133
SL114A	,693520	,5566925,9	,R	,19	,8	,<2	,713
SL114B	,693520	,5566925,9	,R	,15	,6	,2	,537
SL114C	,693520	,5566925,9	,R	,17	,3	,2	,907
SL114E	,693520	,5566925,9	,R	,15	,4	,2	,743
SL114G	,693520	,5566925,9	,R	,16	,<2	,<2	,134
SL114H	,693520	,5566925,9	,R	,24	,<2	,15	,226
SL115	,693884	,5566582,9	,R	,27	,6	,5	,447
SL115A	,693884	,5566562,9	,S	,13	,2	,2	,226
SL116	,693159	,5567530,9	,S	,13	,2	,<2	,243
SL117	,693108	,5567716,9	,R	,5	,4	,29	,511
SL118	,692683	,5567140,9	,S	,15	,<2	,7	,318
SL119	,693026	,5568183,9	,S	,17	,2	,5	,138
SL126	,696477	,5555318,9	,S	,12	,5	,11	,160
SL127	,696552	,5554748,9	,S	,15	,4	,76	,221
SL129A-V	,696720	,5555011,9	,R	,5	,3	,<2	,44
SL129B-H	,696720	,5555011,9	,R	,19	,6	,2	,115
SL130B	,696717	,5554827,9	,R	,24	,<2	,6244	,1570
SL130C	,696717	,5554827,9	,R	,13	,<2	,67786	,5536
SL132	,690357	,5559923,9	,S	,<2	,<2	,2	,27
SL136	,702644	,5557407,9	,S	,10	,<2	,4	,145
SL137	,702538	,5557225,9	,S	,5	,2	,3	,144
SL137A	,702538	,5557225,9	,R	,<2	,<2	,62	,161
SL141	,702335	,5557162,9	,S	,8	,5	,5	,179
SL142	,701829	,5557289,9	,R	,16	,2	,36	,358
SL144A	,702682	,5557047,9	,R	,6	,10	,4	,190
SL144B	,702682	,5557047,9	,R	,8	,7	,7	,132
SL144C	,702682	,5557047,9	,R	,<2	,3	,<2	,21
SL144D	,702682	,5557047,9	,R	,2	,<2	,82	,529
SL144E	,702682	,5557047,9	,R	,10	,<2	,16	,85
SL144F	,702682	,5557047,9	,R	,<2	,<2	,47	,349
SL146A	,710258	,5567582,9	,R	,4	,<2	,<2	,61
SL146BH	,710258	,5567582,9	,R	,13	,4	,4	,33
SL146BV	,710258	,5567582,9	,R	,2	,<2	,<2	,209
SL146C	,710258	,5567582,9	,R	,18	,3	,5	,231
SL147	,688852	,5561389,9	,S	,4	,<2	,7	,83
SL148	,686604	,5561837,9	,S	,3	,3	,<2	,81
SL149	,685353	,5562627,9	,S	,2	,2	,3	,43
SL150A	,705550	,5580711,9	,R	,<2	,<2	,2	,113
SL150C	,705550	,5580711,9	,R	,3	,<2	,<2	,23
SL150D	,705550	,5580711,9	,R	,<2	,<2	,<2	,4
SL150E	,705550	,5580711,9	,R	,12	,<2	,20	,17196
SL151	,685682	,5550961,9	,S	,2	,<2	,4	,40
SL151B	,685682	,5550961,9	,S	,10	,<2	,5	,143
SL152	,691580	,5548936,9	,R	,2	,<2	,2	,4
SL153A	,692495	,5551600,9	,R	,2	,<2	,3	,439
SL153A2	,692495	,5551600,9	,R	,<2	,<2	,6	,647
SL153B	,692495	,5551600,9	,R	,<2	,<2	,69	,236
SL155	,691392	,5548411,9	,S	,14	,<2	,3	,198

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name Mikkel Schau Reference Number 2000-95

LOCATION/COMMODITIES

Project Area (as listed in Part A) Cowichan MINFILE No. if applicable

Location of Project Area NTS 92C16, 92B13 Lat Long

Description of Location and Access Region around north of Cowichan Lake going towards Ladysmith

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For Precious Metals, Pd

Known Mineral Occurrences in Project Area

WORK PERFORMED

1. Conventional Prospecting (area) Combined road + foot 100 km²
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples)
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name Pie Commodities Au Cu Ti V Fe (Pd)

Location (show on map) Lat. Long Elevation

Best assay/sample type

Description of mineralization, host rocks, anomalies

Magnetite rich layer near top of gabbro intrusion is enriched in Ti, V, Fe.
Veins of pyrite and chalcopyrite cut host, local values in to.
Pd previously reported at +100 ppb levels, I could only get 68 ppb.

FEEDBACK: comments and suggestions for Prospector Assistance Program see other sheet.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

BRITISH COLUMBIA
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Energy and Minerals Division

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Name Mikkel Schau Reference Number 2000 -95

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Hall Mt", north east slope. See maps.

2. PROGRAM OBJECTIVE [Include original exploration target.]

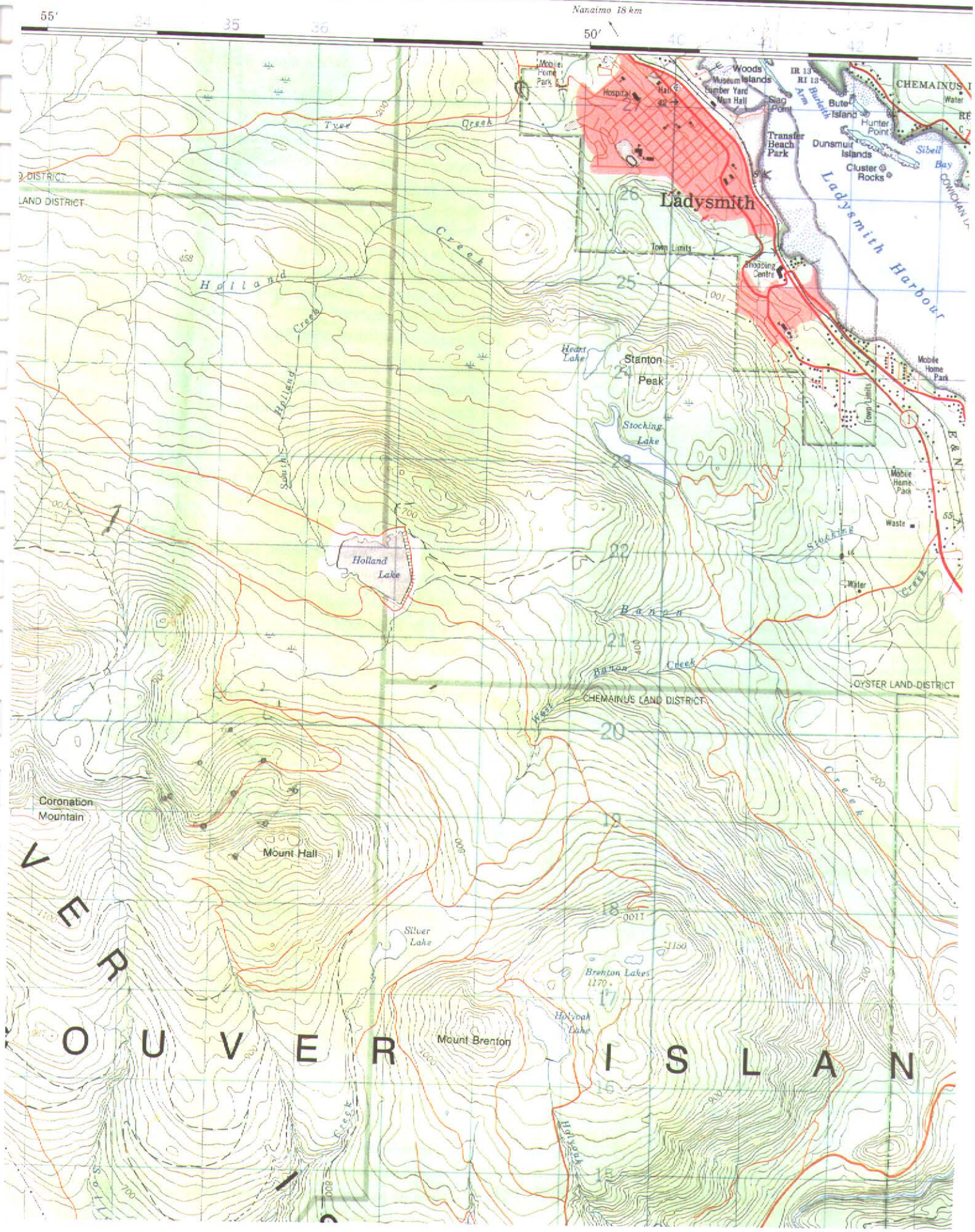
See attached type script

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached maps & type script

Part of NTS 92 B 13

METRIC



REPORT ON RESULTS OF SOUTHERN AREA

LOCATION OF PROJECT AREA

Area prospected includes an area inclosing a large part of 92B13 and 92C16. Only two regions warranted further work using my hypothesis, the Hall Mountain Area and the Marble Bay area on Cowichan Lake.

INTRODUCTION

In the PAP it was hypothesized that along the base of the Upper Triassic Karmutsen volcanic sequence, in sills that acted as feeders to the overlying volcanic units, encased in carbon and sulphide rich shales/slates, that Platinum Group Elements would be trapped in settled sulphide blebs at the base of the feeder sills.

In the Cowichan Region the Hall Mtn Gabbro Suite, has recently been considered to be feeder sills and stocks to the Karmutsen volcanic rocks. The country rock is sulphididc cherts, already home to many past producers.

My southern prospecting efforts have been expended mainly in the Cowichan and Chemainus Valleys and on the hillsides above Ladysmith. I focussed my attention on the Hall Mountain Intrusive Suite as a candidate target for my model.

PROGRAM RESULTS

I have now concluded that the units of the Hall Mountain Intrusive Suite are probably NOT feeders to the Karmutsen volcanics, or if they were, they were not in contact with sulphides whilst they were emplaced and acted as feeders. In fact it would appear that the gabbro body on Hall Mtn has fractionated in a closed system. Unfortunately this is a condition not favourable to the accumulation of platinum group elements in the unit. Instead the sulphide veins that cut rocks in the area were probably emplaced along with the Jurassic granodiorite intrusions.

Prospecting using the above model, have not produced any of the PGE showings, but several interesting showings found.

SHOWINGS:

Southern Area

Ti-V-Fe-(Pd) showing on Hall Mountain (Staked PIE 1,2,3,4) Maps show distribution of samples, rocks, Pd. Au, and Cu.
The Hall Mountain Gabbro is a large body with many sill like appendages. The Pie Claims overlie the upper contact of such a sill, and beneath the contact, magnetite rich layers have formed. The claims were staked, because, at an earlier time, the claims (ORN3) were said to contain Pd tenors of up to 180 ppb. These values were not confirmed.

Examination using high power magnification of a microscope, of the samples which currently have the greatest tenor of Pd shows that these rocks are very rich in magnetite and that

the magnetite contains very small and scattered blebs of pyrite. Samples with lower Pd tenors apparently do not show this particular paragenesis of pyrite.

Recent work suggest that in magnetite rich differentiated gabbros that the Pt and Pd are more likely to be found near the base of the magnetite, and not in the upper parts of the layer, where I spent most of my time. More work will be spent following up this hint.

Pyrite veins cut both gabbro and overlying cap of sediments; they carry copper and low levels of gold.

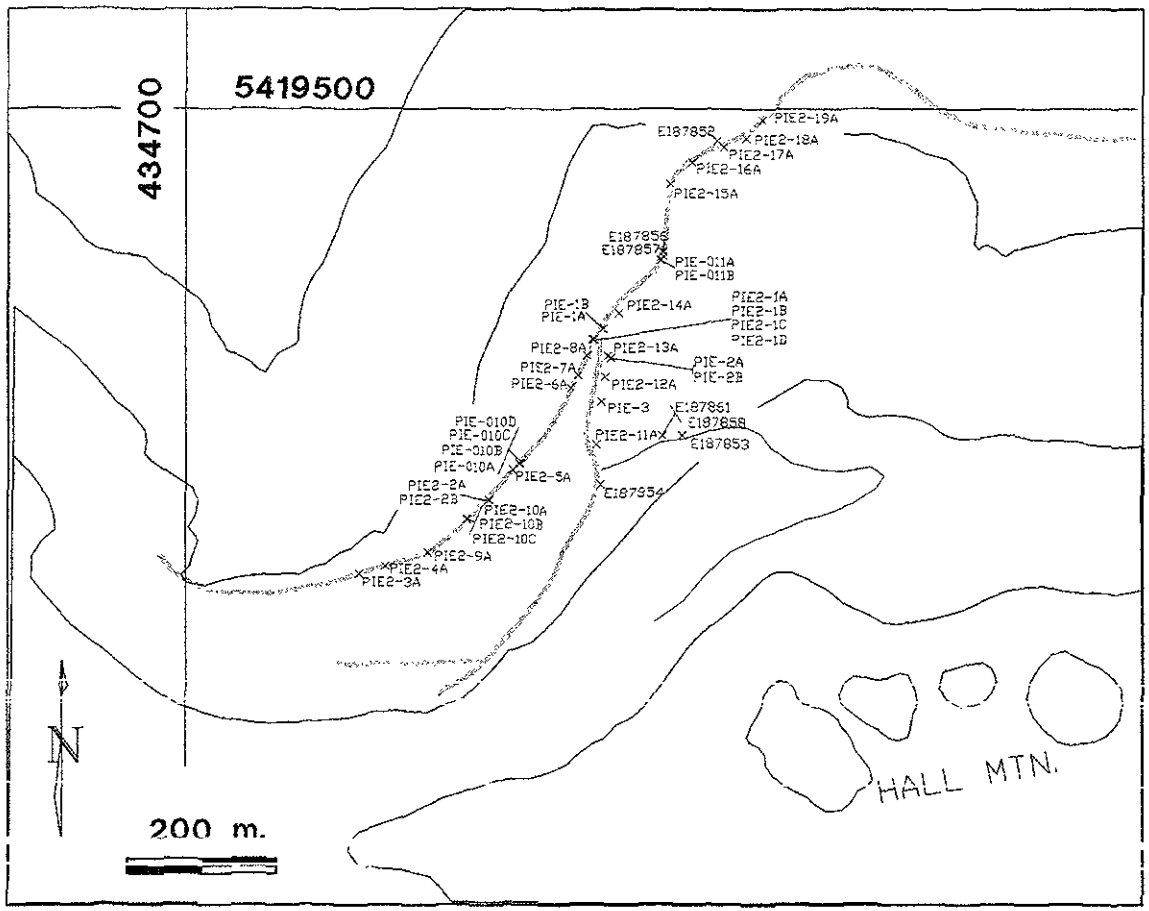
AREAS OF INTEREST

Old Wolf Hill in Marble Bay area has an unexplained Pd bark anomaly. The issue is currently unresolved; 2 analyses give 200 ppb in Bark, and another, much less. The surrounding rocks are not enriched in Pd. If it is a case of contamination, from whence does it stem? If not, it is even stranger.

AREAS OF NOTE

Cowichan Copper still contains ore reserves, and is probably a viable resource, but issues of land ownership and fear of liability for accidents to amateur spelunkers in the abandoned mine workings precludes me from taking any great interest in this past producer.

As a result of using geological maps in the Cowichan area to guide my prospecting, I have found that when Fyles (1955) and Massey (1989) disagree, it is most likely that Fyles is correct. The outcrop pattern is a function of the amount of logging and outcrop made available by logging, at the time of mapping; we are now in an era of relogging areas which had been recently logged in Fyles's time.

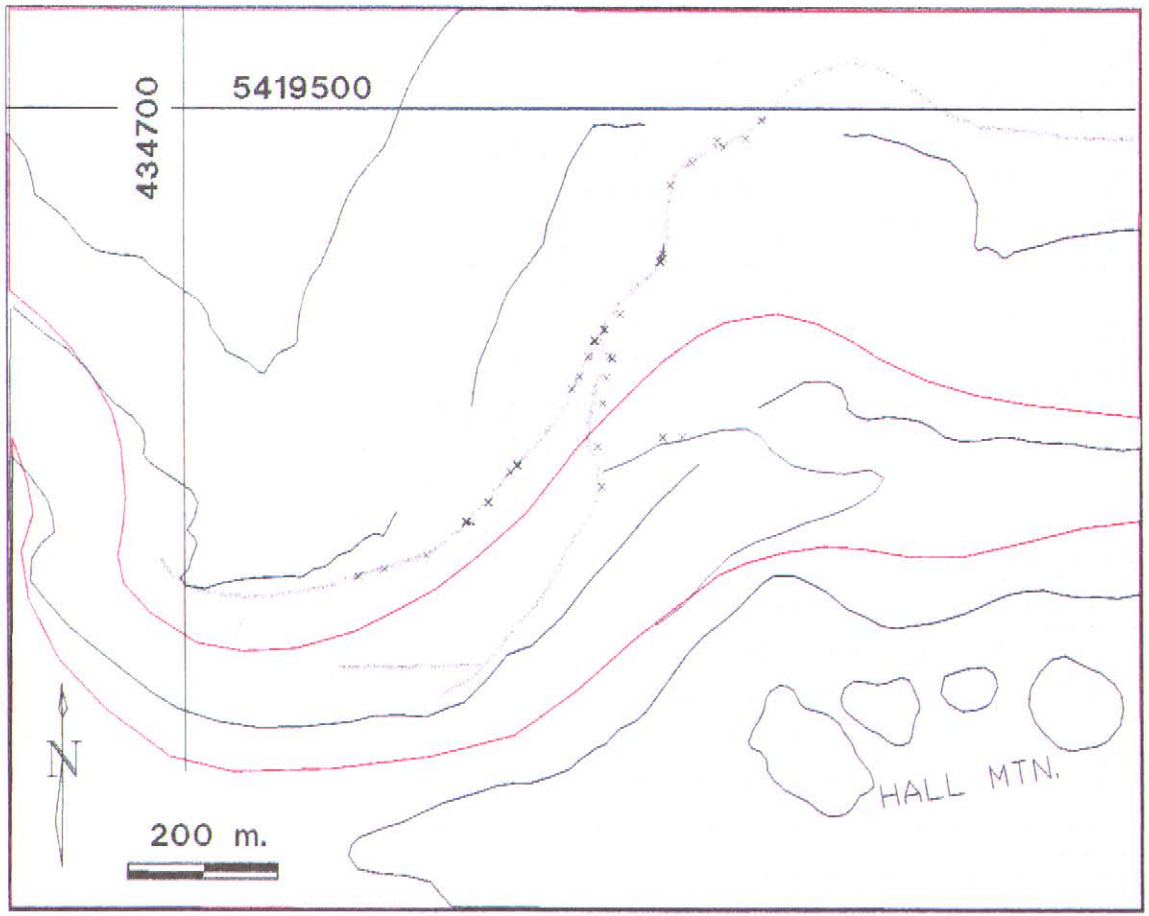


P.A.P. 2000
95 Schau

Southern Area
HALL MTN

Assay Locations

drawn by MPS, 31-01-2001, maps use NAD27 coordinates



P.A.P. 2000
95 Schau

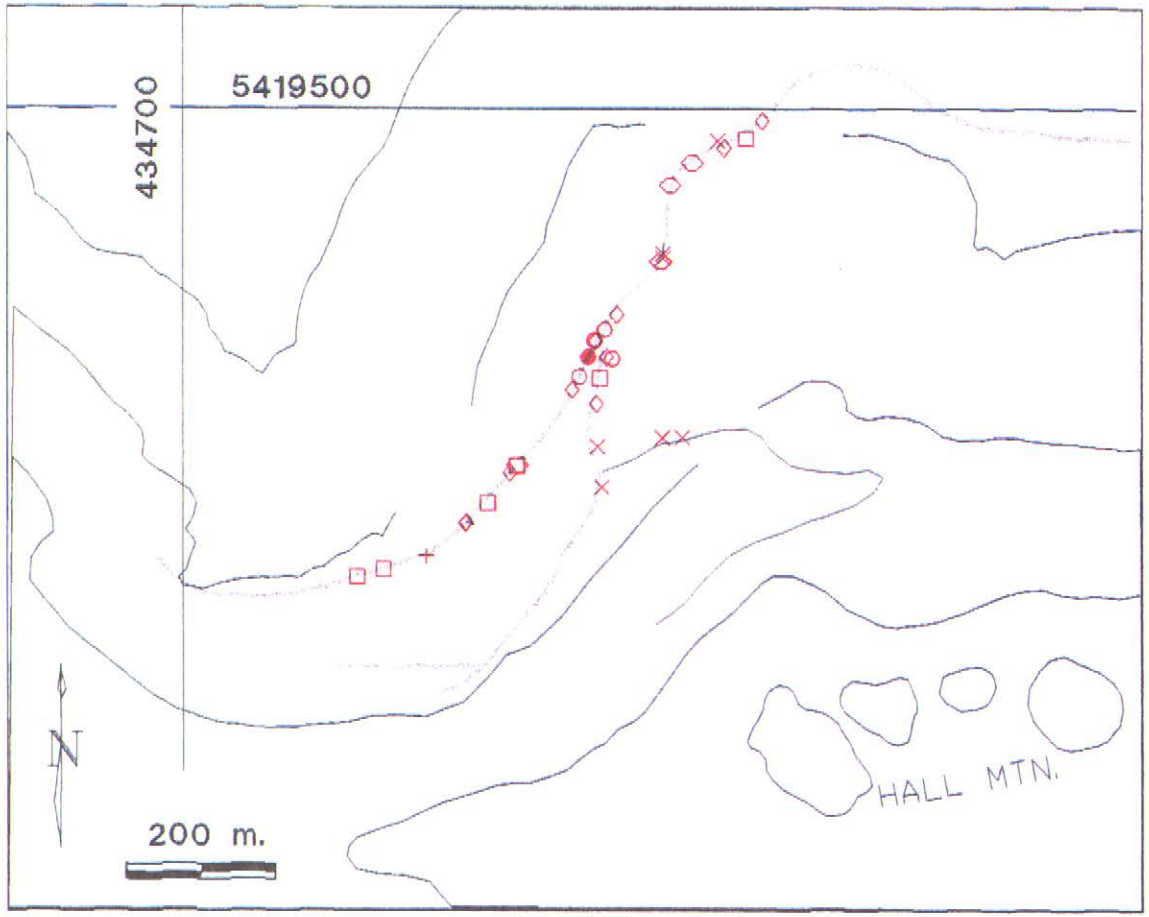
Southern Area
HALL MTN

LITHOLOGY

Gabbro Sills

Pal. Seds.

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

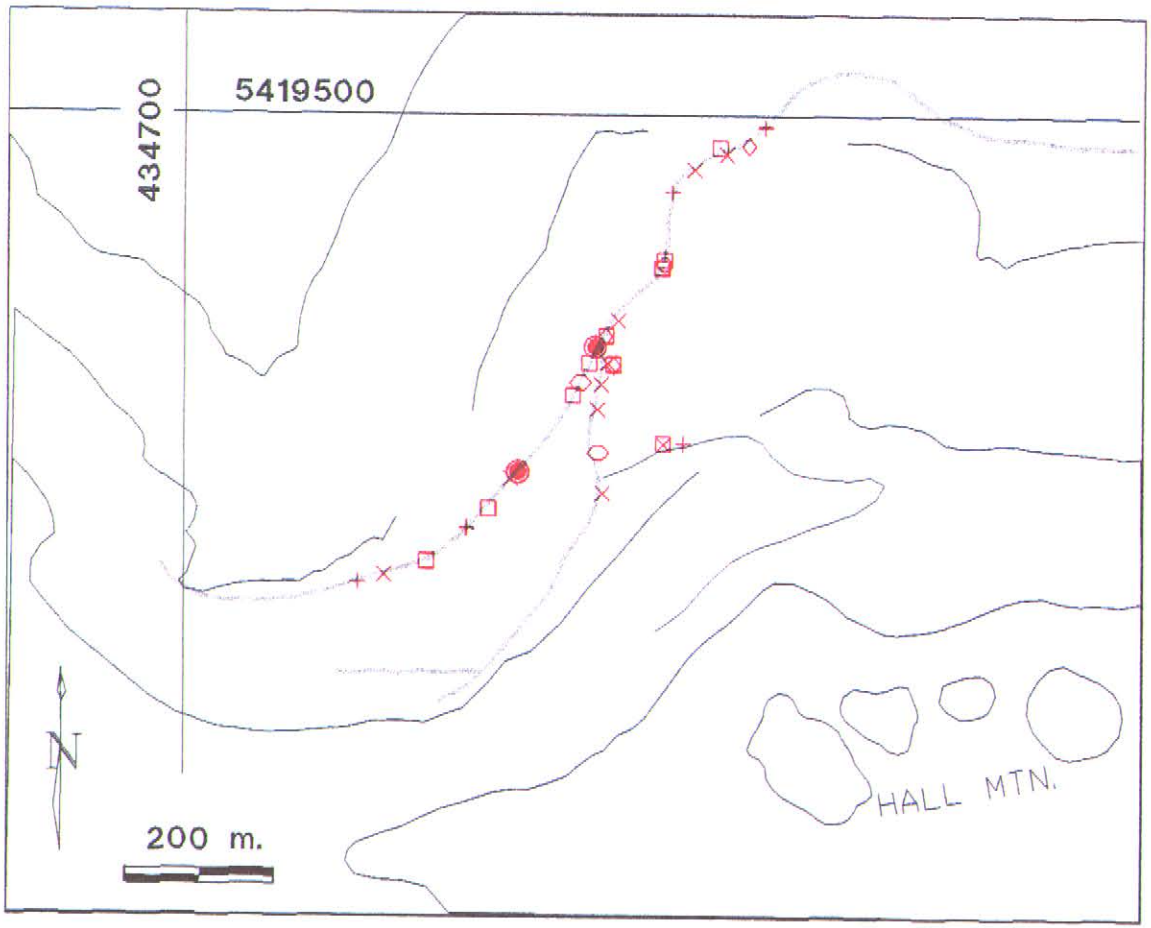


P.A.P. 2000
95 Schau

Southern Area
HALL MTN
Pd values
Legend

- Above 129 ppb
- 65-128 ppb
- 33-64 ppb
- 17-32 ppb
- 9-16 ppb
- 5-8 ppb
- 2-4 ppb
- below 2 ppb

drawn by MPS, 31-01-2001, maps use NAD27 coordinates

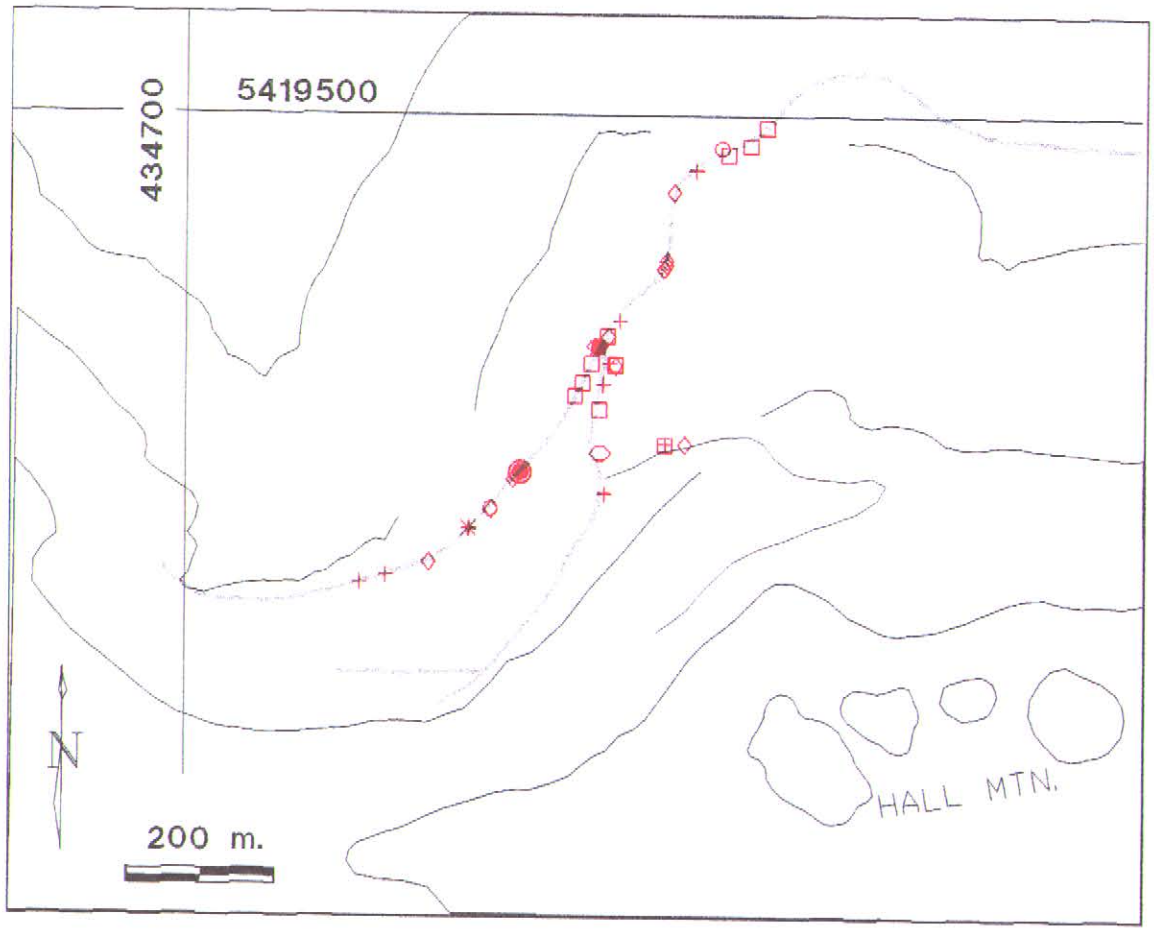


P.A.P. 2000
95 Schau

Southern Area
HALL MTN
Au Values
Legend

- Above 129 ppb
- 65-128 ppb
- 33-64 ppb
- 17-32 ppb
- 9-16 ppb
- 5-8 ppb
- 2-4 ppb
- below 2 ppb

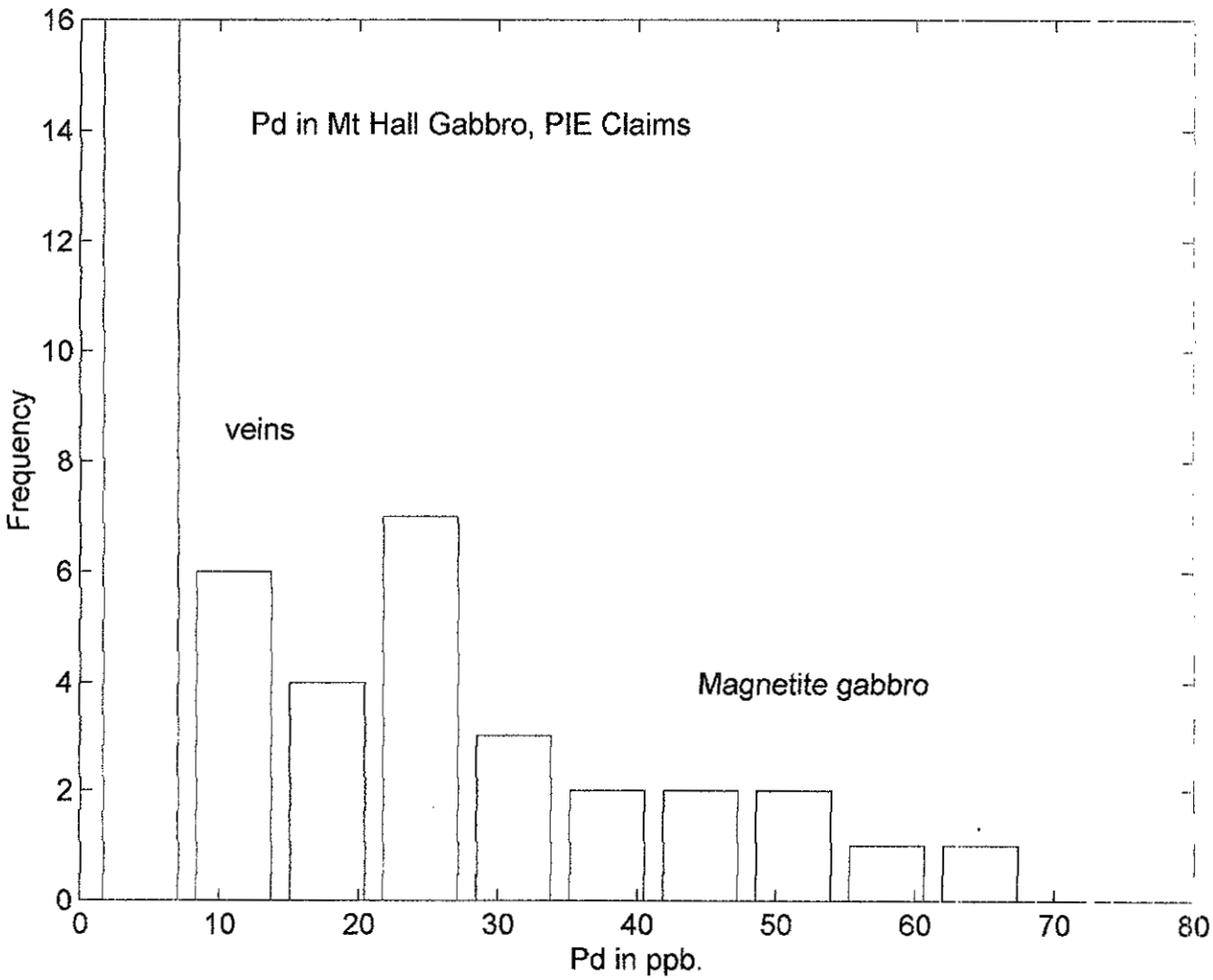
drawn by MPS, 31-01-2001, maps use NAD27 coordinates



P.A.P. 2000
95 Schau
Southern Area
HALL MTN
Cu Values
Legend

- ◉ 4000 ppm +
- ● 2000-3999 ppm
- ○ 1000-1999 ppm
- ◇ 500-999 ppm
- □ 250-499 ppm
- \+ 125-249 ppm
- × 62-124 ppm
- ⬭ less than 62 ppm

drawn by MPS, 31-01-2001, maps use NAD27 coordinates


Pd in Mt Hall Gabbro, PIE Claims
veins
Magnetite gabbro
Frequency
Pd in ppb.
0
2
4
6
8
10
12
14
16
0
10
20
30
40
50
60
70
80

HALL MOUNTAIN LOCATION LISTS

	UTME	UTMN	Z	Pd	Pt	Au	Cu
E187852	,435429	,5419457	,10	,2	,<2	,17	,1783
E187853	,435380	,5419054	,10	,4	,<2	,11	,694
E187854	,435270	,5418986	,10	,3	,2	,2	,144
E187856	,435354	,5419304	,10	,3	,<2	,12	,652
E187857	,435354	,5419298	,10	,3	,4	,43	,606
E187858	,435353	,5419054	,10	,3	,<2	,9	,228
E187861	,435353	,5419053	,10	,3	,<2	,4	,255
PIE-10A	,435155	,5419015	,10	,9	,3	,260	,7875
PIE-10B	,435156	,5419015	,10	,14	,<1	,135	,7677
PIE-10C	,435155	,5419016	,10	,12	,3	,35	,1938
PIE-10D	,435156	,5419016	,10	,1	,<1	,114	,5658
PIE-11A	,435350	,5419293	,10	,<1	,1	,9	,776
PIE-11B	,435351	,5419293	,10	,<1	,<1	,11	,825
PIE-1A	,435275	,5419200	,10	,56	,7	,14	,541
PIE-1B	,435274	,5419200	,10	,50	,2	,18	,435
PIE-2A	,435285	,5419161	,10	,42	,3	,11	,284
PIE-2B	,435285	,5419160	,10	,41	,5	,30	,548
PIE-3	,435263	,5419100	,10	,32	,4	,3	,283
PIE2-10A	,435085	,5418939	,10	,23	,5	,7	,89
PIE2-10B	,435086	,5418939	,10	,23	,10	,8	,194
PIE2-10C	,435085	,5418938	,10	,23	,8	,6	,160
PIE2-11A	,435264	,5419041	,10	,4	,4	,<2	,11
PIE2-12A	,435268	,5419134	,10	,16	,10	,4	,217
PIE2-13A	,435277	,5419163	,10	,22	,5	,3	,184
PIE2-14A	,435291	,5419221	,10	,29	,9	,4	,205
PIE2-15A	,435364	,5419397	,10	,<2	,5	,7	,600
PIE2-16A	,435394	,5419427	,10	,<2	,4	,2	,151
PIE2-17A	,435438	,5419448	,10	,19	,4	,4	,323
PIE2-18A	,435468	,5419460	,10	,16	,9	,22	,341
PIE2-19A	,435490	,5419485	,10	,22	,5	,5	,261
PIE2-1A	,435260	,5419185	,10	,37	,<2	,314	,103
PIE2-1B	,435261	,5419185	,10	,25	,2	,111	,160
PIE2-1C	,435260	,5419186	,10	,53	,8	,60	,55
PIE2-1D	,435262	,5419185	,10	,32	,<2	,32	,2626
PIE2-2A	,435115	,5418965	,10	,15	,10	,13	,1486
PIE2-2B	,435116	,5418965	,10	,11	,<2	,9	,719
PIE2-3A	,434937	,5418865	,10	,12	,3	,5	,156
PIE2-4A	,434973	,5418875	,10	,14	,4	,3	,175
PIE2-5A	,435146	,5419006	,10	,18	,6	,3	,788
PIE2-6A	,435230	,5419119	,10	,25	,6	,12	,299
PIE2-7A	,435240	,5419136	,10	,47	,7	,<2	,271
PIE2-8A	,435252	,5419163	,10	,68	,5	,9	,299
PIE2-9A	,435031	,5418893	,10	,7	,<2	,10	,753

1/1

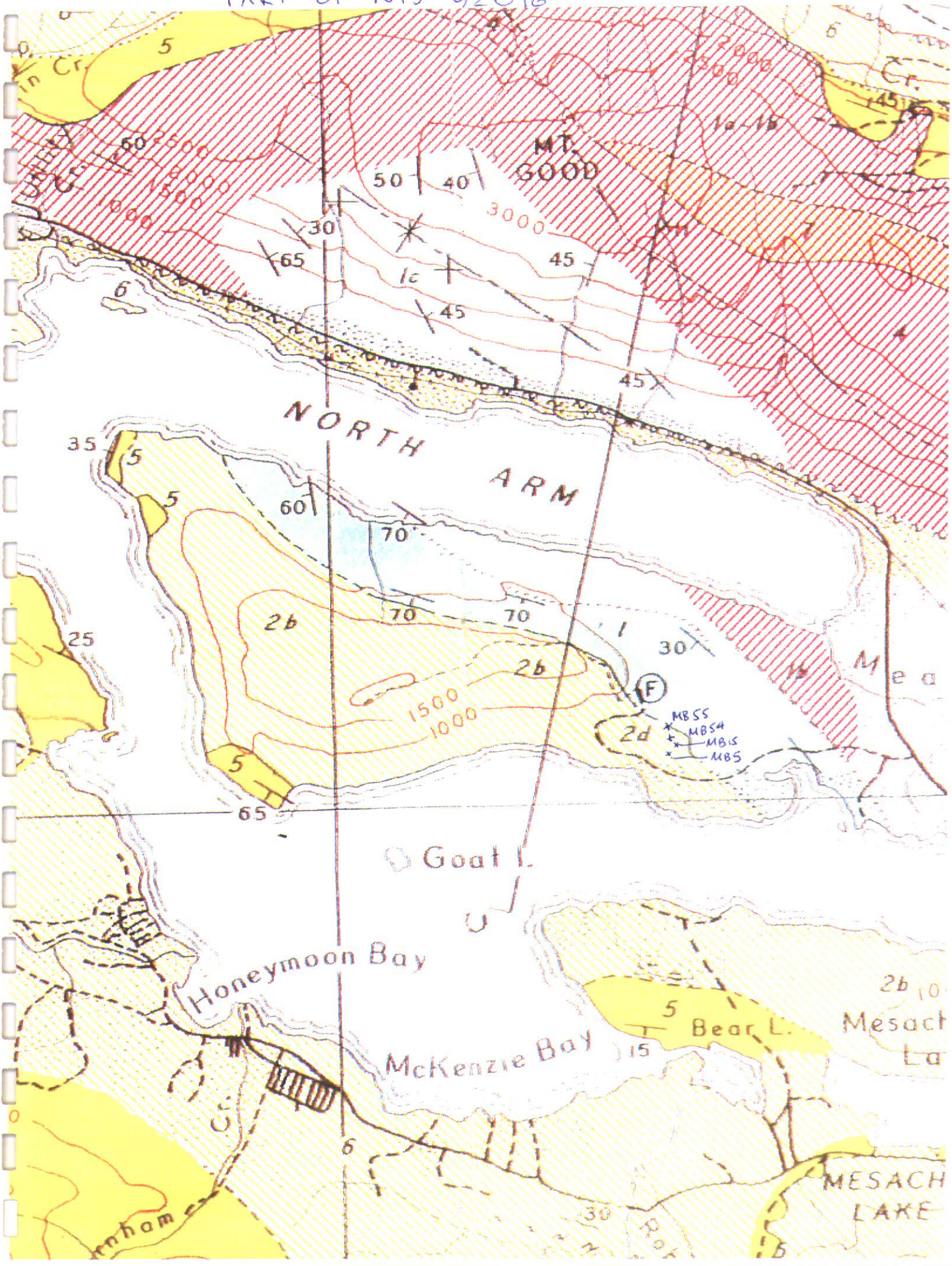
HALL MOUNTAIN SAMPLES (notes for future petrography report after thin sections examined 0

	Pd	Pt	Au	(in ppb)
PIE01A,	56	,7	,14	,GB,Hb,Mt,FP,QZ, FINE PY VEINS
PIE01B	,50	,2	,18	GB, HB,MT, pl replaced by py
PIE02A	,42	,3	,11	GB,HB,MT,pl, FINE PY,PO,CP WALLPAPER AND VEINS
PIE02B	,41	,5	,30	med gr GB, HB MT pl< fine veins of py 1/2 mm thick, some fp replaced
PIE03	,32	,4	,3	HORNBLENDITE,3CM, LOCAL CHL, PO AND PY veins to .5mm
PIE10A	,9	,3	,260	VEIN IN COARSE GB HOST, WR,80%py, qz, chl, 17%S, 7875ppm Cu, 578ppm Co
PIE10B	,14	,<1	,135	EDGE OF VEIN
PIE10C	,12	,3	,35	EDGE OF VEIN
PIE10D	,1	,<1	,114	QZ PORTION OF VEIN 3CM across
PIE11A	,<1	,1	,9	SMALL INCLUSION OF SEDIMENT W/ 3 cm thick PY VEIN
PIE11B	<1	,<1	,11	DO W/ qz PY VEIN
PIE201A	,37	,<2	,314	veins in Gbbr from same block 1m3 vein 1 cm thick, rich in Py with qz, min cb, local cpy, set in gbbr with 60% fp(1->2 cm, with py in matrix near cm of vein
PIE201B	,25	,2	,111	do, from same block .5 cm qz vein with pyrite near the core, also diss py in vein wall, about 2 cm in, med gr gbbr 1 cm hb, vis mt, with specks of py in mt.
PIE201C	,53	,8	,60	do, from same block 1 cm vein qz 5% py in med gr gbbr .5 to 1 cm hb., v thin pyrrh vein
PIE201D	,32	,<2	,32	diff block. 4 m down hill
PIE202A	,15	,10	,13	brn - rusty wthrg with chloritic veins Hb rich py dotted m-c gbbr 1 1/2cm hb, interstitial py, fp 10-15 % WR-4B
PIE202B	,11	,<2	,9	Chloritic veins, crs hbite, 2->3cm

				hb, with vis mt. scat py
PIE203A	,12	,3	,5	gr gb w/ scatt py fp 2mm hb 4mm one large 1cm py cube in vein, scarce scattered py in matrix
PIE204A	,14	,4	,3	(MS= 14.4-12.3), slick post pyrite, chlorite veins, 1 cm hb, vis mt, thin veins of py, gbbr
PIE205A	,18	,6	,3	crs melagabbro 3-4cm hb, vis Mt, scattered py in matrix, also v thin veins of py and rust.
PIE206A	,25	,6	,12	rusty gbbr
PIE207A	,47	,7	,<2	rusty wthrg, thin py-rust veins, med gr gabbr with ab hb and vis Mt
PIE208A	,68	,5	,9	GBBR,rusty, WR-4B , (MS=101,100,98) 5 mm thick py veins in Hb rich m-c gr Gabbro with vis Mt 30% vis fp, another rock 10-15%
PIE209A	,7	,<2	,10	vein of quartz with 10% pyrite in sil edge of vein, in Gbbr
PIE210A	,23	,5	,7	rusty chlorite veins and thin sulphide veins cuts crs grnd, HB rich, vis Mt, heavy, not much fp. dissem,
PIE210B	,23	,10	,8	WR-4B feather HB at 2-3 cm, crs grnd, Hb 11/2 cm vis mt, heavy, thin py veins mal stain on surf
PIE210C	,23	,8	,6	(MS= 107, 108, white fp rich layer 24.8) Crs grained melagabbro with stubby hb and int Mt, scarce int py
PIE211A	,4	,4	,<2	CR, fg conch fract beige wthr, greybluey green fresh, cherty argillite with thin layer volcaniclastite (MS-5.77, 1.64, 4.97, 15.2 (vein) 1.09, 4.40)
	contact	oc	fp 4mm,	contact phase (MS=2.83, 8.96), 4 m along, (MS=13.9)
PIE212A	,16	,10	,4	porph, glom to seriate fp, 40 % plag phen, rare thin py veins, fp to 3 cm, fg matrix, weathered veinlets of sulph (212B porph, 40-45 % fp glom 3/4 cm

				to seriate fg matrix thin chlorite veins fg mt)
	PIE213A	22	,5 ,3	coarse, fp to 2 cm, hb 4 cm, vis mt, veins with chlorite, also sulphides (MS=50, 73.5, 43.3, 43.7, 42.3) B is melagabbro
	PIE214A	,29	,9 ,4	(MS=185) Hb rich, 2 cm, plag 1cm, vis mt, lots!, thin py veins) (214B is crs grnd gabbro with 1 1/2- 2 cm Hb mt vis Fp also local py in matrix
	PIE215A	,<2	,5 ,7	med grained gabbro vis mt thin py veins rusty DEPLETED!
	PIE216A	,<2	,4 ,2	rusty sheared leached wthrd beige fp->clay, med -crs gb, fp 2cm, med gr matrix.gbbr DEPLETED!
	PIE217A	,19	,4 ,4	rusty, highly sheared, leached, wthrd, med gr gbbro, fp->clay in road
	PIE218A	,16	,9 ,22	rusty slick sided rust stained med gr gabbro no vis py, some was present in veins
	PIE219A	,22	,5 ,5	rusty m gr gbbro with Hb to 1-2cm and local rust from scarce py. 219B crs grnd gb, hb 2cm abundant, fp 2-5mm in matrix, vis mt, thin py veins
	E187852	,2	,<2 ,17	ALT NEAR CONTACT W/PY
	E187856	,3	<2 ,12	WR, ferrodiorite W/SULPH
	E187857	,3	,4 ,43	SULPHIDE VEIN
	E187854	,3	,2 ,2	FINE SULPH IN SLATE
	E187861	,3	,<2 ,4	FINE SULPH IN BLACK SLATE
	E187858	,3	,<2 ,9	QZ VEIN W/ PY
	E187853	,4	,<2 ,11	SULPHIDE VEININ in CR

PART OF NTS 92C16



MARBLE BAY LOCALITIES

	UTME	UTMN	Z	ppb Pd	ppb Pt	ppb Au	ppm Cu	Lith
MB5 aka E187855	,416852	,5409870	,10	16,	3,	3,	162	f.g. gabbro
MB15	,416862	,5409920	,10	14,	2,	2	347	f.g. gabbro
MB054	,416844	,5409859	,10	13,	5,	2	226	f.g gabbro
MB054B	,416844	,5409859	,10	13,	<2	2	24	vein f.g. gbbr
MB054C	,416844	,5409859	,10	11,	2	<2	67	vein f.g. gbbr
MB054D	,416844	,5409859	,10	7	2	2	257	f.g. gabbro
MB055	,416857	,5409880	,10	16	5	3	250	f.g. gabbro

Assay Sheets

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PIE 1A	50.31	11.39	19.43	2.54	6.25	2.55	.70	4.70	.48	.26	<.001	235	<20	39	.9	.09	.19	99.54
PIE 3	47.89	11.77	19.21	4.45	8.69	2.35	.31	4.02	.25	.25	<.001	118	<20	49	.6	<.01	.27	99.81
RE PIE 3	48.04	11.71	19.16	4.42	8.69	2.33	.31	4.04	.29	.25	.001	119	52	49	.6	<.01	.28	99.87
STANDARD SO-15/CSB	49.08	12.80	7.38	7.25	5.89	2.37	1.79	1.66	2.72	1.43	1.085	2019	81	15	5.9	2.43	5.30	99.59

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY:** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PIE 1A	36.5	1.2	27.5	8.9	26.6	21.4	3	242.3	2.3	2.4	.1	.9	255	2	317.5	63.7	24.8	61.9	8.58	44.0	12.3	3.39	12.48	1.96	12.37	2.45	6.96	.93	5.97	.83
PIE 3	49.6	.5	25.7	5.1	14.4	8.3	2	235.1	1.3	1.4	.1	.6	537	2	178.8	39.3	13.6	34.4	4.85	24.6	6.8	2.15	7.75	1.18	7.66	1.50	4.22	.56	3.78	.51
RE PIE 3	49.5	.4	24.7	5.1	14.3	8.1	2	221.9	1.1	1.3	.1	.6	529	2	178.9	38.8	13.3	34.1	4.73	24.4	7.0	2.06	7.57	1.16	7.44	1.47	4.17	.56	3.58	.51
STANDARD SO-15	22.6	2.7	16.9	26.2	29.3	63.1	17	400.3	1.7	22.9	1.1	21.1	141	19	1059.8	21.9	29.9	58.8	6.09	23.7	4.6	1.06	4.10	.56	3.76	.79	2.46	.35	2.56	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PIE 1A	2	540	<3	74	5	<2	<.2	<.5	<.5
PIE 3	2	290	<3	40	10	<2	.3	<.5	<.5
RE PIE 3	2	290	<3	41	10	<2	.2	.7	<.5
STANDARD C3	27	67	34	172	36	58	24.4	16.4	22.9
STANDARD G-2	2	3	<3	45	8	<2	<.2	<.5	<.5

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Schau, Mikkel File # A004[illegible]

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
E 187851	47.35	13.92	11.20	6.29	11.40	2.64	<.04	1.48	.11	.17	.034	67	202	36	4.6	.27	.04	99.25
E 187856	52.85	10.75	19.20	1.74	6.13	2.69	.54	2.47	.81	.21	.008	239	<20	28	1.4	.01	1.49	98.83
E 187862	48.88	12.70	16.67	5.57	9.01	2.28	.30	2.58	.23	.26	.006	226	62	40	.4	.01	.01	98.92
E 187863	49.19	12.64	15.86	6.09	8.72	2.60	.28	2.04	.19	.28	.008	204	70	40	1.2	.01	.27	99.14
RE E 187863	49.25	12.68	15.64	6.14	8.79	2.63	.30	2.07	.16	.28	.007	206	67	40	1.1	.01	.25	99.08
STANDARD SO-15/CSB	49.30	12.67	7.22	7.14	5.78	2.36	1.79	1.72	2.64	1.33	1.036	2069	81	13	5.9	2.43	5.30	99.13

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 6 2000 DATE REPORT MAILED: Dec 21/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A004893 (a)

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
E 187851	39.7	.2	18.6	1.9	6.5	.7	1	408.8	.6	1.1	<.1	.2	289	2	72.2	21.3	6.1	14.5	2.19	11.2	3.2	1.22	3.47	.63	3.79	.74	2.26	.28	1.91	.29
E 187856	36.7	.6	26.1	12.8	38.1	15.0	2	276.5	3.0	4.3	<.1	1.4	22	7	450.6	102.8	39.8	94.7	13.82	67.9	19.0	5.06	17.14	3.24	19.06	3.67	11.07	1.36	8.78	1.33
E 187862	43.9	.3	20.5	4.1	12.9	5.4	2	244.6	1.1	1.6	<.1	.5	437	2	136.4	34.4	11.9	28.6	4.14	20.0	5.8	1.96	6.10	1.05	6.47	1.23	3.69	.44	2.89	.46
E 187863	48.9	.3	18.4	3.2	10.1	5.5	1	301.3	.8	1.2	<.1	.4	376	2	103.9	27.4	9.3	22.0	3.26	15.2	4.6	1.78	4.74	.82	4.96	.96	2.93	.37	2.35	.37
RE E 187863	47.9	.3	18.2	3.3	10.3	5.3	1	319.7	.8	1.1	<.1	.4	393	2	106.5	27.6	9.7	22.5	3.33	15.9	4.7	1.81	4.84	.84	5.11	.98	2.98	.39	2.42	.39
STANDARD SO-15	22.4	2.6	17.5	27.3	32.1	62.6	17	409.0	1.8	25.1	1.1	21.1	154	21	1029.3	24.3	30.1	59.4	6.18	24.1	4.5	1.00	3.94	.63	3.86	.75	2.54	.35	2.52	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 6 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY:** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. E. HASTINGS ST. VANCOUVER BC V6A 1R6 PH (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A004893 (b)

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Au** ppb	Pt** ppb	Pd** ppb
E 187851	1	161	<3	69	65	4	.2	<.5	<.5	6	5	17
E 187856	4	652	<3	48	2	2	<.2	<.5	<.5	12	<2	3
E 187862	1	174	<3	32	12	<2	<.2	<.5	<.5	4	4	25
E 187863	3	266	<3	44	24	<2	.2	<.5	<.5	3	<2	16
RE E 187863	3	264	<3	45	25	<2	.2	<.5	<.5	-	-	-
STANDARD C3	27	67	34	172	36	58	24.4	16.4	22.9	481	465	487
STANDARD G-2	2	3	<3	45	8	<2	<.2	<.5	<.5	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 6 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data K FA

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PIE2-8A	44.45	10.07	23.77	4.21	7.88	2.06	.47	5.29	.26	.31	<.001	152	21	52	.8	.01	.70	99.60
STANDARD SO-15/CSB	49.08	12.80	7.38	7.25	5.89	2.37	1.77	1.66	2.72	1.43	1.085	2019	86	12	5.9	2.54	5.52	99.57

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PIE2-2A	53.8	1.2	26.8	6.1	17.1	33.5	1	175.8	1.4	1.4	.2	.6	686	5	210.8	44.4	15.5	38.3	5.41	26.8	7.8	2.11	8.34	1.30	8.23	1.67	4.81	.64	4.19	.59
PIE2-8A	61.9	.7	26.4	5.3	17.3	13.3	2	213.5	1.3	1.2	.1	.6	612	3	186.3	38.7	12.9	32.5	4.60	23.6	6.8	2.11	7.67	1.14	7.36	1.43	4.10	.54	3.60	.52
PIE2-10B	62.4	1.6	24.4	4.2	13.1	23.7	2	191.2	1.0	.9	.1	.3	861	2	149.9	31.8	10.1	25.6	3.66	18.8	5.2	1.75	6.22	.94	6.12	1.16	3.33	.43	2.98	.40
RE PIE2-10B	66.1	1.6	26.7	4.2	13.8	25.0	2	201.4	1.1	.9	.1	.3	903	2	147.2	33.1	10.1	26.0	3.74	19.3	5.9	1.81	6.60	.97	6.29	1.25	3.45	.46	3.06	.44
STANDARD SO-15	22.6	2.7	16.9	26.2	29.3	63.1	17	400.3	1.7	22.9	1.1	21.1	141	20	1059.8	21.9	29.9	58.8	6.09	23.7	4.6	1.06	4.10	.56	3.76	.79	2.46	.35	2.56	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Schau, Mikkel File A0165

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PIE2-2A	2	1282	<3	68	29	<2	.3	<.5	.6
PIE2-8A	2	278	<3	47	8	<2	<.2	<.5	<.5
PIE2-10B	1	191	<3	50	17	<2	.2	<.5	<.5
RE PIE2-10B	1	190	<3	51	17	<2	<.2	<.5	<.5
STANDARD C3	27	67	34	172	36	58	25.8	16.4	22.9
STANDARD G-2	2	3	<3	45	8	<2	<.2	<.5	<.5

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 11 2000 **DATE REPORT MAILED:** Dec 21/00 **SIGNED BY** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

[redacted] Schau, Mikkel PH [redacted] #[redacted]043 [redacted]

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo %	Cu %	Ag** gm/mt	Au** gm/mt
SL105C1	.036	-	-	-
SL130B	-	-	2.1	5.24
SL130C	-	-	15.3	61.04
SL150E	-	2.154	-	-
RE SL150E	-	2.177	-	-

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 17 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A004894

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
E 187852	2	1783	<3	22	1.2	9	25	330	5.58	7	10	<2	<2	22	<.2	<3	3	15	1.07	.012	2	12	.43	6	.09	<3	.51	.02	.02	4	17	<2	2
E 187853	3	694	<3	69	<.3	29	61	827	11.53	12	<8	<2	2	10	.6	<3	<3	234	.82	.199	8	12	1.84	105	.37	<3	3.54	.13	.90	4	11	<2	4
E 187854	6	144	4	102	<.3	23	18	631	5.32	2	<8	<2	2	16	<.2	4	5	202	.16	.019	6	31	1.31	588	.31	<3	2.79	.19	1.60	2	2	2	3
E 187855	<1	162	<3	76	<.3	81	32	772	5.45	4	<8	<2	<2	41	.2	4	<3	132	.91	.071	6	58	2.42	50	.34	3	2.79	.14	.04	2	3	3	16
E 187857	6	606	<3	13	<.3	5	428	208	33.23	15	<8	<2	<2	33	1.2	<3	<3	4	.50	.074	4	4	.26	15	.11	<3	.63	.04	.06	<2	43	4	3
E 187858	156	228	19	111	<.3	7	30	455	6.17	4	<8	<2	2	10	.5	3	<3	90	.88	.263	16	44	1.04	164	.21	<3	1.64	.10	.81	4	9	<2	3
E 187859	6	6	<3	12	<.3	14	2	493	.66	2	<8	<2	<2	2	<.2	<3	<3	6	.10	.018	8	27	.28	23	<.01	4	.31	.01	.04	5	<2	<2	2
E 187860	1	206	<3	76	<.3	90	32	711	5.84	2	<8	<2	<2	41	.2	<3	3	173	1.22	.068	7	22	1.96	149	.38	<3	2.90	.21	.10	<2	3	4	16
E 187861	5	255	<3	76	<.3	9	20	703	7.03	3	<8	<2	3	16	<.2	3	4	162	1.36	.297	16	10	1.13	195	.28	<3	2.23	.19	.65	3	4	<2	3
E 187864	1	401	<3	56	<.3	15	21	455	4.82	4	<8	<2	2	32	<.2	3	3	203	1.51	.140	10	7	.95	74	.27	<3	1.99	.24	.07	4	2	2	32
RE E 187864	1	393	<3	56	.3	15	22	446	4.74	6	<8	<2	2	32	<.2	3	<3	197	1.48	.138	10	10	.94	74	.27	<3	1.96	.24	.07	2	3	5	38
E 187865	1	301	4	157	<.3	55	46	1479	9.80	4	<8	<2	2	75	.9	<3	3	294	1.49	.109	9	14	3.11	26	.33	<3	4.49	.02	.01	4	9	5	32
E 187866	1	87	4	28	<.3	24	9	244	2.96	3	<8	<2	2	32	<.2	6	<3	93	.69	.044	5	58	.62	49	.21	<3	3.01	.11	.06	<2	2	3	15
E 187867	2	102	6	31	<.3	24	8	234	3.20	2	8	<2	3	23	<.2	5	<3	104	.57	.039	5	48	.61	50	.24	<3	3.83	.08	.04	3	6	3	14
STANDARD C3/FA-10R	25	62	34	169	5.1	39	12	759	3.42	61	25	2	24	30	22.3	21	24	77	.57	.092	19	175	.60	152	.09	25	1.80	.05	.19	18	481	465	489
STANDARD G-2	1	3	4	40	<.3	8	4	510	2.02	2	<8	<2	6	93	<.2	<3	3	36	.66	.099	8	79	.56	246	.12	<3	1.13	.16	.55	2	3	<2	2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 6 2000 DATE REPORT MAILED: Dec 12/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PH (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A004305

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
SL102	7	29	5	47	<.3	4	14	1095	5.75	3	<8	<2	2	28	<.2	3	4	76	.40	.040	5	7	.46	33	.11	7	2.52	.03	.04	<2	<2	<2	<2
SL107	1	190	12	59	<.3	69	20	462	3.44	26	<8	<2	2	36	<.2	<3	3	98	1.11	.065	5	85	1.24	48	.35	4	3.02	.06	.06	<2	<2	2	10
SL109A	<1	137	<3	143	.3	40	25	904	6.56	10	<8	<2	<2	24	.5	<3	<3	217	.75	.055	5	80	.80	19	.64	3	5.78	.03	.03	<2	3	4	37
SL109B	<1	27	5	15	<.3	10	16	1199	26.88	28	10	<2	<2	18	.5	<3	<3	101	.91	.020	3	20	.24	16	.13	<3	.90	.02	.03	<2	<2	<2	9
SL109C	1	87	6	56	<.3	43	33	1874	8.47	9	<8	<2	<2	28	.6	<3	<3	184	1.37	.032	3	45	1.06	20	.52	<3	2.93	.05	.03	<2	2	5	10
SL110	1	175	8	60	<.3	47	25	721	4.65	7	<8	<2	<2	69	<.2	<3	<3	121	1.74	.056	3	49	1.68	25	.49	4	3.19	.11	.09	<2	3	2	9
SL112B	1	164	6	70	.5	37	25	723	7.59	9	<8	<2	<2	30	.3	<3	<3	379	.51	.057	6	98	.74	35	.89	<3	4.01	.04	.03	<2	20	<2	43
SL112G	2	177	4	55	<.3	51	24	551	5.08	8	<8	<2	<2	35	.3	<3	<3	173	.85	.061	4	74	1.16	27	.59	<3	5.26	.04	.03	<2	4	5	42
SL114	2	133	7	30	<.3	26	10	275	4.47	8	<8	<2	<2	16	.3	3	<3	164	.46	.043	4	52	.48	43	.58	<3	4.27	.02	.02	<2	6	2	14
SL115A	2	226	11	89	<.3	54	33	981	5.37	16	<8	<2	<2	59	.5	<3	<3	180	1.45	.081	3	67	1.80	58	.37	3	3.23	.06	.06	<2	2	2	13
SL116	1	243	5	47	<.3	51	23	463	3.28	6	<8	<2	<2	57	.2	3	<3	101	1.50	.065	2	65	1.20	24	.42	<3	2.55	.06	.04	<2	<2	2	13
SL118	1	318	5	42	<.3	54	24	512	3.51	4	<8	<2	<2	64	<.2	<3	<3	99	1.29	.071	3	77	1.18	38	.33	6	3.23	.06	.06	<2	7	<2	15
SL119	1	188	3	48	<.3	48	25	662	3.31	10	<8	<2	<2	70	.3	<3	<3	102	2.08	.063	2	65	1.01	31	.36	5	3.99	.18	.06	<2	5	2	17
RE SL147	<1	80	3	30	<.3	20	11	341	3.23	6	<8	<2	2	26	.2	<3	<3	116	.77	.062	8	28	.53	41	.18	4	1.46	.05	.04	<2	2	3	8
SL126	<1	160	3	86	<.3	42	20	721	3.56	61	<8	<2	2	76	.8	<3	<3	88	2.02	.062	6	56	1.02	43	.20	3	3.71	.03	.07	<2	11	5	12
SL127	1	221	6	71	<.3	53	26	649	3.99	136	<8	<2	<2	72	.4	<3	<3	106	1.64	.063	4	62	1.11	62	.23	<3	3.67	.06	.06	2	76	4	15
SL132	1	27	6	35	<.3	5	9	491	2.16	<2	<8	<2	3	59	<.2	3	3	55	1.25	.051	6	9	.66	91	.10	8	2.13	.11	.06	2	2	<2	<2
SL136	1	145	8	97	.3	47	21	594	3.92	9	<8	<2	<2	25	.5	5	<3	112	.83	.074	6	54	.99	172	.25	6	3.31	.03	.05	<2	4	<2	10
SL137	5	144	13	123	<.3	57	30	867	6.28	23	<8	<2	<2	26	.6	<3	<3	106	.90	.066	6	60	1.23	202	.27	4	3.31	.03	.08	<2	3	2	5
SL141	5	179	11	111	<.3	54	27	1025	4.84	13	<8	<2	<2	61	.6	<3	<3	120	1.06	.087	5	66	1.26	299	.18	6	3.96	.03	.06	<2	5	5	8
SL147	<1	83	5	32	<.3	20	11	353	3.18	7	<8	<2	2	26	<.2	<3	<3	115	.79	.060	6	28	.56	43	.19	3	1.50	.05	.04	<2	7	<2	4
SL148	1	81	6	44	<.3	17	11	459	3.25	4	<8	<2	3	43	<.2	<3	<3	106	1.07	.054	8	24	.73	79	.22	<3	2.10	.07	.07	<2	<2	3	3
SL149	<1	48	5	37	<.3	12	11	616	2.81	4	<8	<2	3	48	<.2	<3	<3	83	1.12	.053	9	15	.61	83	.17	3	2.04	.07	.07	<2	3	2	2
SL151	1	40	<3	22	<.3	13	8	403	2.64	<2	<8	<2	4	36	<.2	<3	<3	77	.74	.059	12	27	.45	114	.17	4	2.67	.03	.05	<2	4	<2	2
SL151B	<1	143	3	50	<.3	55	19	543	4.00	4	<8	<2	<2	48	<.2	3	<3	113	1.57	.058	3	82	1.56	23	.48	3	2.78	.06	.03	<2	5	<2	10
SL155	<1	198	5	71	<.3	77	27	820	5.28	9	<8	<2	<2	56	.3	4	<3	150	1.64	.063	3	111	2.09	19	.59	<3	3.50	.04	.03	<2	3	<2	14
MB66	1	157	4	86	<.3	67	32	1254	6.98	5	<8	<2	<2	31	.4	<3	4	222	1.54	.056	7	89	2.20	49	.60	3	4.03	.03	.04	<2	7	4	8
STANDARD C3/FA-10R	27	63	35	165	5.2	39	11	769	3.40	56	19	<2	21	29	22.8	17	22	74	.57	.095	17	164	.61	146	.09	23	1.85	.04	.17	15	455	479	462
STANDARD G-2	2	4	5	42	<.3	9	4	549	2.13	<2	<8	<2	5	76	<.2	<3	<3	38	.66	.105	8	77	.62	228	.14	3	1.00	.08	.49	3	<2	<2	<2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT SS80 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES.(30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 6/00 SIGNED BY. C. Leong ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data M FA

(IS 002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A004304 Page 1

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
SL100C	2.7	18	<2	54	.1	8	14	668	3.50	<1	1	<2	3	87	<.2	<.5	<.5	79	2.33	.048	8	14	1.32	52	.141	1	4.45	.054	.15	<1	1	6.4	<1	.01	7	<2	<2	<2
SL101A2	1.9	14	<2	57	.2	3	13	739	3.18	<1	2	<2	4	114	<.2	.8	<.5	86	5.41	.050	10	13	1.42	8	.144	3	5.30	.009	.03	2	1	4.0	<1	<.01	10	<2	<2	<2
SL104A5	2.7	4	17	68	.3	1	9	2051	3.23	3	2	<2	1	113	.7	.5	<.5	59	17.12	.023	9	4	1.30	167	.008	2	.45	.008	.01	<1	<1	7.3	<1	<.01	1	<2	<2	<2
SL104D	2.9	9	2	50	.2	3	13	573	2.71	1	1	<2	2	181	<.2	<.5	<.5	69	3.11	.049	6	17	1.29	15	.108	1	3.12	.014	.02	4	<1	4.9	<1	<.01	8	<2	<2	<2
SL105A	1.4	15	6	89	.1	1	8	1148	3.97	<1	2	<2	2	875	<.2	<.5	.5	83	2.35	.202	23	3	.80	379	.330	2	3.06	.151	.25	<1	1	7.3	<1	<.01	8	<2	<2	<2
SL105B	6.3	1619	2	29	1.7	2	24	283	2.12	2	2	<2	9	42	.3	<.5	<.5	37	.51	.022	13	16	.50	51	.081	5	1.06	.124	.28	6	<1	2.7	<1	.42	5	2	4	<2
SL105C1	381.3	691	2	68	.8	6	14	493	4.62	10	3	<2	5	42	.4	<.5	<.5	64	.60	.057	13	12	1.08	54	.099	1	2.04	.177	.18	2	<1	3.1	<1	1.72	7	2	<2	<2
SL105C2	69.4	732	<2	95	.8	3	15	737	5.02	5	4	<2	3	34	.3	<.5	<.5	101	.62	.068	14	9	1.73	55	.137	1	2.66	.151	.18	86	<1	6.4	<1	1.08	9	<2	<2	<2
SL105D	3.0	81	7	102	.2	1	11	1008	4.41	5	2	<2	2	1047	.2	.5	.6	89	1.76	.206	25	3	.95	366	.368	3	2.27	.162	.13	1	<1	12.1	<1	.05	12	<2	<2	<2
SL111B	1.1	109	<2	37	.1	46	22	357	3.34	1	<1	<2	<1	157	<.2	.5	<.5	122	2.41	.055	4	49	1.28	3	.434	1	2.19	.009	<.01	1	1	5.3	<1	<.01	8	<2	3	3
SL111C	2.1	248	<2	54	.2	82	48	499	5.41	1	1	<2	<1	15	<.2	<.5	<.5	96	1.08	.061	2	38	1.32	55	.336	1	1.60	.092	.04	1	1	2.8	<1	1.61	7	4	2	17
SL114A	.9	713	3	44	.4	84	64	218	6.26	1	1	<2	2	15	<.2	.8	.8	98	1.79	.077	2	33	.64	224	.445	6	1.57	.087	.06	1	1	3.2	<1	2.81	7	<2	8	19
SL114B	1.4	587	3	43	.3	85	64	195	6.40	1	1	<2	1	16	<.2	.6	.6	93	1.20	.075	3	32	.57	208	.428	<1	1.20	.109	.07	<1	1	3.0	<1	2.96	5	2	6	15
SL114C	.8	907	4	55	.4	100	81	216	8.09	<1	2	<2	<1	11	.3	<.5	.8	106	1.72	.078	3	34	.65	53	.475	5	1.61	.076	.05	1	1	3.3	<1	3.76	7	2	3	17
SL114E	2.1	743	4	45	.4	44	32	216	4.92	<1	1	<2	1	12	.2	.8	<.5	105	3.59	.072	2	36	.57	18	.457	3	2.59	.041	.03	<1	1	3.1	<1	2.09	10	2	4	15
SL114G	1.7	184	2	35	.1	59	27	267	3.61	<1	1	<2	1	26	<.2	<.5	.5	102	1.08	.085	2	40	1.00	122	.319	<1	1.52	.171	.05	<1	1	3.7	<1	.95	7	<2	<2	16
SL114H	2.1	226	2	55	.3	70	48	286	5.45	1	1	<2	1	16	<.2	<.5	<.5	188	1.07	.119	5	60	1.17	75	.399	<1	1.31	.144	.30	<1	1	7.5	<1	2.91	9	15	<2	24
RE SL114H	1.9	226	2	56	.3	71	48	283	5.36	1	1	<2	1	16	<.2	<.5	.5	186	1.06	.121	5	60	1.16	74	.394	1	1.29	.138	.30	<1	1	7.5	<1	2.89	9	4	<2	21
SL115	1.3	447	5	66	.5	55	45	339	7.06	1	1	<2	1	20	.4	<.5	<.5	140	1.14	.125	7	35	.65	70	.473	3	1.12	.135	.15	1	1	4.6	<1	4.03	6	5	6	27
SL117	2.0	511	<2	28	.5	19	14	176	1.56	<1	<1	<2	<1	422	.4	1.0	<.5	56	4.63	.079	<1	36	.72	37	.117	2	6.14	.588	.05	1	1	6.3	<1	.35	9	29	4	5
SL129A	1.7	44	<2	35	.2	22	11	353	2.38	<1	1	<2	1	42	<.2	<.5	<.5	107	6.60	.019	1	43	.78	3	.137	<1	3.16	.006	<.01	2	1	6.7	<1	.02	10	<2	3	5
SL129B	1.0	115	<2	43	.1	13	11	349	2.65	1	<1	<2	<1	76	<.2	<.5	<.5	122	1.60	.102	6	7	.77	113	.190	<1	1.70	.237	.04	<1	<1	6.3	<1	.03	7	2	6	19
SL130B	.7	1570	6	279	3.5	25	58	3360	14.69	1	4	5	2	3	.6	2.7	5.2	464	.30	.098	7	8	2.92	5	.113	1	5.61	.005	.02	1	<1	28.1	<1	2.93	20	6244	<2	24
SL130C	7.7	5536	<2	356	25.7	11	56	1909	11.99	4	3	152	1	3	4.2	2.7	37.6	360	.22	.075	4	11	1.96	27	.106	<1	3.80	.006	<.01	1	<1	20.7	<1	3.44	18	67786	<2	13
SL137A	14.3	161	9	199	.3	75	29	765	8.28	100	4	<2	1	32	1.7	<.5	<.5	50	3.61	.016	4	48	1.09	20	.091	1	1.77	.019	.19	2	1	5.0	<1	5.96	2	62	<2	<2
SL142	1.3	358	<2	61	.1	22	27	455	5.07	8	1	<2	1	46	<.2	<.5	.5	187	1.36	.090	9	10	1.05	19	.336	<1	2.69	.242	.04	<1	1	2.6	<1	.30	9	36	2	16
SL144A	.5	190	<2	53	.1	51	32	599	4.91	<1	1	<2	<1	39	<.2	<.5	<.5	156	1.42	.026	<1	12	1.92	44	.197	<1	3.71	.238	.03	1	1	3.2	<1	.26	6	4	10	6
SL144B	1.1	132	<2	45	.1	38	23	505	3.61	<1	1	<2	<1	95	<.2	<.5	<.5	107	1.81	.021	<1	22	1.13	93	.152	<1	3.22	.258	.04	<1	1	2.5	<1	.15	6	7	7	8
SL144C	.8	21	<2	56	.1	1	12	980	4.73	1	1	<2	1	28	<.2	<.5	<.5	87	2.04	.185	3	3	1.49	87	.090	<1	2.20	.089	.08	1	<1	3.7	<1	.37	9	<2	3	<2
SL144D	1.1	529	3	96	.2	10	11	342	5.13	2	1	<2	1	30	.7	<.5	<.5	23	1.00	.085	3	10	.53	81	.079	3	.84	.024	.01	<1	<1	1.0	<1	.92	2	82	<2	2
SL144E	2.2	85	6	25	.2	23	7	234	2.11	8	<1	<2	<1	22	.4	<.5	.7	34	2.56	.044	2	16	.14	11	.341	1	.44	.009	<.01	2	<1	2.7	<1	.77	2	16	<2	10
SL144F	2.8	349	26	41	.3	8	2	228	6.06	31	1	<2	1	29	.2	<.5	.8	32	1.98	.053	2	14	.12	27	.081	13	.99	.012	<.01	<1	<1	1.6	<1	.69	2	47	<2	<2
SL146A	1.7	61	<2	45	.3	24	13	640	2.97	1	1	<2	<1	122	<.2	<.5	<.5	90	9.61	.017	1	42	1.30	4	.224	<1	1.75	.008	.04	<1	<1	6.4	<1	.02	5	<2	<2	4
SL146BH	<.2	39	<2	152	.2	95	52	1389	8.92	<1	3	<2	<1	36	<.2	1.6	.8	224	5.57	.051	3	126	4.22	10	.523	1	4.71	.009	.20	1	1	24.7	<1	<.01	9	4	4	13
STANDARD C3/FA-10R	27.1	67	35	169	5.3	37	12	777	3.25	59	22	<2	20	29	25.3	17.1	23.8	78	.59	.095	18	175	.63	158	.087	19	1.86	.048	.20	16	1	4.3	<1	.03	8	465	490	469
STANDARD G-2	1.6	2	2	43	<.1	7	4	525	1.97	1	2	<2	5	73	<.2	<.5	<.5	41	.63	.101	7	78	.59	228	.131	<1	.92	.091	.57	2	<1	2.4	<1	<.01	5	-	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 8/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
SL146BV	1.0	209	2	31	.3	15	9	794	2.17	<1	2	<2	<1	167	.2	6.5	.8	78	20.86	.012	3	25	.95	4	.163	<1	1.47	.007	.08	<1	<1	5.9	<1	<.01	5	<2	<2	2
SL146C	.5	231	<2	58	.1	33	23	364	4.81	<1	1	<2	1	73	<.2	<.5	<.5	171	1.79	.063	7	6	.86	20	.303	2	2.61	.342	.03	<1	1	2.1	<1	.02	8	5	3	18
SL150A	1.5	113	<2	9	.3	23	16	738	3.62	19	2	<2	<1	206	.4	3.9	.7	47	14.67	.029	3	6	.12	7	.058	4	.91	.006	<.01	<1	<1	3.1	<1	1.38	2	2	<2	<2
SL150C	5.1	26	2	31	.1	3	8	436	2.42	<1	1	<2	2	25	<.2	<.5	<.5	63	.98	.046	5	13	.78	32	.115	2	1.19	.098	.08	3	<1	2.5	<1	.05	6	<2	<2	3
SL150D	<.2	4	<2	82	<.1	<1	25	535	36.70	6	15	<2	2	3	<.2	1.6	1.2	9	.50	.005	<1	4	.02	1	.001	9	.05	.005	<.01	<1	<1	.4	<1	<.01	<1	<2	<2	<2
SL150E	23.9	17196	37	230	16.5	305	122	2754	13.82	23	10	<2	1	6	8.5	7.5	<.5	520	16.16	.023	2	83	1.03	1	.039	<1	1.91	.004	<.01	8	<1	8.0	<1	1.66	5	20	<2	12
SL152	3.7	48	<2	5	.1	7	2	151	1.29	1	<1	<2	<1	67	<.2	<.5	.5	78	1.17	.015	1	18	.04	2	.195	<1	.68	.006	<.01	1	<1	1.6	<1	.01	5	2	<2	2
SL153A	28.1	489	6	47	.3	21	12	275	9.31	1	3	<2	1	6	.5	.5	.8	64	.24	.033	4	30	.45	8	.131	<1	.57	.099	.01	2	<1	7.7	<1	2.41	1	3	<2	2
SL153A2	55.1	647	8	38	.1	24	19	351	21.31	11	10	<2	1	4	.9	2.7	2.3	84	.17	.010	5	13	.49	1	.137	<1	.62	.036	.01	<1	<1	9.8	<1	9.20	<1	6	<2	<2
SL153B	13.6	236	8	68	.7	92	112	222	17.25	246	6	<2	1	5	1.3	4.9	.9	66	.28	.035	4	34	.35	5	.141	2	.32	.041	<.01	4	<1	3.6	<1	14.52	<1	69	<2	35
MB15	1.8	347	<2	81	.1	49	31	608	6.04	<1	2	<2	<1	47	<.2	1.1	.7	207	1.63	.083	7	18	1.54	104	.399	7	3.13	.257	.07	1	1	4.8	<1	.18	11	2	<2	14
RE MB15	2.0	339	<2	80	.1	49	30	608	5.90	<1	2	<2	<1	47	<.2	.8	.7	209	1.64	.082	7	19	1.53	104	.409	4	3.12	.256	.07	<1	1	4.8	<1	.17	11	3	4	21
MB54	1.5	226	<2	66	.1	67	30	534	4.71	<1	1	<2	1	33	<.2	.6	<.5	124	1.23	.066	6	49	1.95	81	.247	3	2.54	.118	.05	1	1	2.7	<1	.11	7	2	5	13
MB54B	3.0	24	<2	51	.1	86	35	583	4.72	<1	1	<2	<1	200	<.2	1.3	.5	170	1.84	.047	4	116	2.29	9	.279	4	3.38	.011	<.01	<1	1	10.0	<1	.03	14	<2	3	13
MB54C	1.2	67	<2	90	<.1	77	37	694	5.58	<1	1	<2	<1	33	<.2	<.5	<.5	136	1.20	.067	5	61	2.74	13	.306	2	2.99	.053	.01	1	1	3.3	<1	.03	8	2	<2	11
MB54D	2.1	257	<2	57	.1	69	28	479	3.76	<1	1	<2	1	69	<.2	.8	<.5	100	1.71	.066	5	66	1.73	9	.314	7	2.09	.062	<.01	<1	1	3.3	<1	.02	7	2	2	7
MB55	1.2	250	<2	84	.1	82	37	700	6.23	<1	2	<2	<1	56	<.2	1.2	<.5	200	1.18	.074	8	53	2.54	452	.304	3	2.82	.073	.03	1	1	6.2	<1	.02	11	3	5	16
STANDARD C3/FA-10R	27.4	67	35	168	5.3	38	12	797	3.31	59	25	<2	23	30	25.9	18.4	23.8	83	.61	.098	19	179	.64	163	.088	22	1.81	.047	.20	14	1	4.7	<1	.03	8	469	471	479
STANDARD G-2	1.5	8	2	43	<.1	8	4	542	2.07	<1	2	<2	4	73	<.2	<.5	<.5	45	.71	.104	7	79	.62	237	.132	<1	.90	.097	.58	2	<1	2.6	<1	<.01	5	-	-	-

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date ___ FA ___

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
SL105D	57.02	14.93	7.27	2.23	4.32	3.67	2.71	1.33	.56	.15	.002	893	<20	22	4.5	.01	.06	98.80
SL114B	49.45	12.73	15.23	4.80	7.65	3.42	.61	2.34	.25	.14	.016	1136	29	38	3.1	.01	3.21	99.87
SL129B	47.57	12.45	15.86	5.72	10.00	2.09	.31	2.83	.22	.26	.009	225	74	40	1.3	.09	.03	98.66
SL144A	47.73	13.56	11.22	9.16	11.38	1.71	.32	.79	.07	.18	.015	214	95	70	2.6	.07	.22	98.78
SL144B	47.78	13.47	10.22	8.17	13.41	2.17	.32	.70	.04	.19	.039	232	108	69	2.2	.08	.14	98.76
SL144C	54.90	18.51	7.09	2.60	3.96	7.01	.88	.66	.38	.12	<.001	1088	<20	8	3.6	.46	.36	99.83
STANDARD SO-15/CSB	49.49	12.61	7.14	7.26	5.86	2.40	1.71	1.71	2.67	1.38	1.052	2048	75	13	5.9	2.46	5.29	99.42

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 9/00 SIGNED BY: .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 2 FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
SL146C	48.16	13.55	12.79	6.41	10.46	2.70	.60	1.95	.18	.21	.015	212	85	41	1.8	.03	.01	98.87
SL150C	65.99	14.72	4.36	1.74	3.68	3.68	2.65	.49	.10	.09	.004	958	53	11	1.5	.02	.04	99.12
MB15	47.92	13.42	13.19	6.25	9.99	2.11	.46	2.19	.21	.20	.016	463	100	39	2.5	.02	.15	98.53
RE MB15	48.09	13.51	13.27	6.31	10.05	2.10	.44	2.19	.19	.20	.014	466	84	39	2.4	.01	.17	98.83
MB54	48.22	13.90	12.09	6.81	10.31	2.47	.43	1.79	.13	.19	.023	293	108	38	2.9	.08	.10	99.31
STANDARD SO-15/CSB	49.49	12.61	7.14	7.26	5.86	2.40	1.71	1.71	2.67	1.38	1.052	2048	75	13	5.9	2.34	5.40	99.42

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

1007 Barkway Terrace, Brentwood Bay BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
SL105D	895	12.8	.1	19.2	6.0	9.7	39.7	2	1196.5	.6	3.2	.2	2.2	119	2	191.2	43.0	22.6	48.9	6.85	35.0	8.0	2.61	7.20	1.14	8.44	1.76	5.25	.68	4.72	.79
SL114B	1133	59.2	.6	17.9	3.7	10.9	16.2	1	221.1	.8	1.2	.2	.5	483	1	119.4	28.7	9.3	23.6	3.80	20.8	6.6	2.55	6.47	1.10	6.14	1.29	3.73	.66	3.63	.44
SL129B	245	45.1	.5	21.4	4.7	14.7	4.6	2	243.7	1.0	1.2	.2	.4	569	2	142.9	33.1	11.7	28.1	4.11	22.9	6.1	2.46	6.92	1.25	6.97	1.31	3.91	.62	3.79	.51
SL144A	221	46.6	.3	12.9	.9	1.0	5.9	<1	219.0	<.1	<.1	<.1	<.1	453	2	29.7	23.7	1.8	4.1	.77	3.4	1.6	1.00	2.64	.59	3.63	.89	3.14	.54	3.25	.43
SL144B	266	43.9	.2	12.0	.6	.9	5.4	<1	239.9	<.1	<.1	.1	<.1	402	1	25.0	21.0	1.6	3.9	.74	3.6	1.5	.72	2.39	.54	3.51	.86	3.00	.53	3.08	.42
SL144C	1190	13.9	.5	17.1	2.5	9.1	20.6	<1	201.5	.5	2.4	<.1	1.1	124	1	87.5	23.4	20.9	42.1	5.78	26.0	5.7	1.64	4.90	.81	4.49	.83	2.70	.45	2.96	.39
STANDARD SO-15	2014	21.9	2.5	16.9	26.2	30.7	65.5	17	405.1	1.6	25.0	.9	20.8	156	20	1054.9	23.5	28.3	57.4	6.16	23.5	4.4	1.09	3.89	.61	3.63	.78	2.37	.38	2.48	.42

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 9/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
SL146C	235	50.2	.1	18.1	3.0	10.2	7.7	2	335.5	.6	.7	<.1	<.1	435	1	106.2	26.6	8.0	19.6	3.03	16.6	4.4	1.82	4.97	.92	5.59	1.05	3.16	.53	3.12	.39
SL150C	1065	10.5	1.3	14.0	3.2	6.4	58.7	1	358.4	.6	5.2	.3	2.5	94	5	108.7	15.5	14.3	26.7	3.22	13.1	2.6	.94	3.04	.43	2.92	.61	1.99	.41	2.63	.34
MB15	469	46.2	.9	20.5	3.2	11.7	8.4	2	273.4	.6	.9	<.1	.2	469	<1	121.0	30.0	9.0	20.9	3.27	15.8	4.6	2.12	5.26	.98	5.50	1.06	3.46	.51	3.00	.34
RE MB15	508	46.6	1.4	19.2	3.1	11.1	10.6	<1	261.1	.6	.8	<.1	.3	465	<1	117.9	28.4	9.6	22.7	3.28	15.3	4.1	1.78	4.69	.83	5.22	1.09	3.23	.45	2.59	.24
MB54	300	44.8	1.0	17.3	2.4	8.8	11.4	1	305.3	.4	.5	<.1	<.1	387	2	92.3	23.8	7.3	17.6	2.67	12.0	3.7	1.55	4.02	.76	4.13	.84	2.48	.41	2.26	.32
STANDARD SO-15	2014	21.9	2.5	16.9	26.2	30.7	65.5	17	405.1	1.6	25.0	.9	20.8	156	20	1054.9	23.5	28.3	57.4	6.16	23.5	4.4	1.09	3.89	.61	3.63	.78	2.37	.38	2.48	.42

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA

Schau, Mikkel File # 2003

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
SL82-1	3	104	8	46	.3	9	19	198	4.90	6	<8	<2	<2	640	.4	3	3	94	2.40	.119	5	3	2.10	62	.32	10	4.28	.45	.97	2	4	<2	<2
SL83-1	1	7	3	5	<.3	6	4	487	.73	<2	<8	<2	<2	168	<.2	<3	<3	52	23.21	.003	<1	11	.18	1	.06	<3	.85	.01	<.01	<2	390	2	2
SL84-1	1	213	8	43	<.3	16	10	307	3.63	14	<8	<2	<2	13	.4	3	<3	100	3.51	.017	1	45	.56	25	.15	<3	3.12	.01	.08	3	<2	3	<2
SL84A-1	<1	229	4	42	<.3	42	16	254	2.98	<2	<8	<2	<2	89	.3	<3	<3	111	2.14	.089	6	42	.91	76	.25	3	2.81	.32	.05	<2	8	2	22
SL84A-2A	9	19	5	82	<.3	36	8	1093	4.18	24	<8	<2	<2	58	.8	<3	<3	29	10.74	.010	7	31	.85	15	.07	4	1.39	.02	.13	3	<2	<2	3
SL84A-2B	10	21	4	97	<.3	42	10	966	4.51	21	<8	<2	<2	55	1.0	<3	<3	34	7.93	.010	8	37	.95	19	.08	3	1.55	.02	.14	3	5	<2	3
SL86	12	177	12	79	<.3	49	15	210	4.60	145	<8	<2	<2	32	1.3	<3	<3	67	.49	.058	7	22	.78	74	.23	4	1.43	.05	.24	2	6	5	9
SL86-1	1	295	3	72	<.3	21	28	396	5.34	13	<8	<2	<2	77	.2	<3	<3	240	1.63	.088	9	9	.89	28	.36	<3	2.76	.27	.04	3	5	5	22
SL87-COB-1	30	137	18	97	<.3	52	21	279	5.31	46	<8	<2	<2	27	.7	<3	<3	219	.42	.051	2	25	.91	24	.18	7	1.39	.16	.52	4	7	5	5
SL87-COB-2	28	20	8	72	<.3	24	1	86	.92	5	<8	<2	<2	7	1.1	<3	<3	31	1.16	.013	2	64	.08	40	.04	3	1.00	.02	.04	5	<2	3	4
SL88-1	<1	192	<3	64	<.3	36	25	417	5.42	<2	<8	<2	<2	66	.3	<3	3	168	2.38	.057	4	10	.96	6	.32	4	3.58	.36	.02	3	5	4	15
SL90-1	2	168	4	19	.3	48	23	150	2.76	5	<8	<2	<2	20	.2	<3	<3	49	1.21	.043	1	42	.49	17	.24	6	1.21	.10	.05	2	9	4	9
RE SL90-1	3	173	4	18	.3	49	24	153	2.81	6	<8	<2	<2	20	.2	<3	<3	50	1.24	.044	1	41	.50	18	.25	6	1.23	.10	.05	2	10	5	11
SL93-1	8	43	5	50	<.3	20	3	96	1.46	<2	<8	<2	<2	17	.2	<3	<3	12	.75	.019	2	32	.18	8	.07	4	.79	.04	.02	4	5	<2	4
SL93-2	39	721	13	57	.7	120	40	100	9.01	6	8	<2	<2	4	.9	<3	5	81	.55	.066	8	47	.05	13	.22	4	.25	.06	.01	6	18	4	9
SL93-3	1	378	6	146	<.3	72	40	499	6.53	394	10	<2	<2	71	.4	3	<3	247	1.90	.071	1	126	1.95	220	.30	4	4.69	.32	1.43	7	72	4	17
SL93-4	10	74	7	14	<.3	8	2	87	1.94	5	<8	<2	<2	4	<.2	<3	<3	50	.15	.015	2	59	.54	94	.16	<3	.43	.11	.03	7	<2	<2	4
SL93-5	2	51	4	149	<.3	21	7	92	1.63	3	<8	<2	<2	10	.6	<3	<3	30	.57	.020	3	54	.21	20	.07	<3	.89	.16	.02	7	<2	<2	2
SL93-6	1	139	4	61	<.3	67	41	422	5.88	3	<8	<2	<2	6	.2	3	<3	62	.55	.022	2	46	2.79	98	.08	5	2.68	.08	.04	<2	<2	2	3
SL94-1	<1	209	4	82	.3	150	52	325	6.21	13	<8	<2	<2	13	.2	3	<3	322	.36	.059	1	272	3.77	65	.25	5	3.24	.10	.60	2	4	4	20
STANDARD C3/FA-10R	26	66	36	172	5.3	39	12	760	3.35	60	19	<2	21	28	23.0	14	23	75	.56	.094	18	170	.61	145	.08	24	1.72	.04	.16	16	481	501	486
STANDARD G-2	1	4	<3	43	<.3	8	4	515	2.00	<2	<8	<2	4	70	<.2	<3	<3	37	.61	.101	7	77	.59	217	.13	6	.89	.07	.46	2	<2	<2	<2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 15 2000 DATE REPORT MAILED: Sept 27/00 SIGNED BY .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
SL85	3	158	14	110	<.3	51	24	872	4.24	11	<8	<2	<2	62	.6	3	<3	102	1.07	.074	4	63	1.18	263	.14	4	3.17	.03	.06	2	6	3	8
SL87	2	235	6	94	<.3	84	28	772	4.65	12	<8	<2	<2	50	.6	4	<3	140	1.37	.058	4	117	1.69	97	.33	4	3.00	.04	.04	2	<2	<2	11
SL89A	<1	172	7	67	<.3	41	30	670	7.83	5	19	<2	<2	25	.4	<3	<3	374	.44	.038	5	108	.77	29	.90	<3	3.07	.02	.03	2	2	8	36
SL89B	<1	158	<3	36	<.3	38	52	1893	13.58	11	16	<2	<2	31	1.1	<3	<3	122	.77	.035	4	52	.85	27	.37	3	3.18	.03	.03	<2	<2	4	22
SL91A	<1	164	5	78	<.3	64	28	832	4.83	5	<8	<2	<2	65	.3	3	<3	139	1.70	.047	3	69	1.71	25	.45	6	3.03	.07	.04	2	18	2	<2
SL91B	<1	151	5	73	<.3	59	26	736	4.57	7	<8	<2	<2	57	.2	<3	<3	131	1.57	.048	3	62	1.65	21	.44	5	2.82	.07	.04	2	3	2	5
SL94	1	186	13	91	<.3	72	28	743	3.95	24	<8	<2	<2	51	.5	3	<3	109	1.40	.054	4	94	1.37	31	.30	6	3.07	.05	.04	3	<2	<2	3
RE SL94	1	194	12	89	<.3	72	28	732	3.92	24	<8	<2	<2	50	.5	4	<3	108	1.39	.052	4	92	1.37	32	.30	6	3.03	.04	.04	4	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SILT SS80 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 15 2000 DATE REPORT MAILED: Sept 25/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /~ FA ___

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
PIE2-1A	5	103	20	70	<.3	10	207	4892	14.31	28	<8	<2	<2	131	2.9	<3	<3	89	9.07	.021	3	<1	2.49	9	.02	<3	.89	.01	.01	2	314	<2	37
PIE2-1B	1	160	<3	57	<.3	13	52	931	8.08	11	<8	<2	<2	25	.7	<3	<3	169	3.40	.280	7	7	1.05	12	.05	<3	2.43	.04	.04	2	111	2	25
PIE2-1C	<1	55	6	71	<.3	11	50	883	8.35	4	<8	<2	<2	27	.8	<3	<3	193	3.60	.152	6	3	1.27	14	.06	<3	2.82	.03	.05	<2	60	8	53
PIE2-1D	3	2626	<3	72	.6	13	28	322	6.27	<2	<8	<2	<2	46	.4	<3	<3	157	.66	.046	2	12	.28	14	.21	<3	1.19	.09	.05	6	32	<2	32
PIE2-2A	1	1486	<3	59	.7	30	43	636	8.71	3	<8	<2	<2	9	.7	<3	<3	308	1.14	.127	6	3	1.12	25	.26	<3	2.16	.08	.12	2	13	10	15
PIE2-2B	1	719	12	69	.3	32	42	633	10.13	6	<8	<2	<2	8	.8	<3	3	435	.75	.110	6	3	1.26	38	.27	<3	2.63	.06	.13	3	9	<2	11
PIE2-3A	2	156	6	33	<.3	16	11	234	3.04	<2	<8	<2	<2	87	<.2	<3	<3	162	2.00	.052	2	10	.57	97	.20	4	2.52	.39	.22	<2	5	3	12
PIE2-4A	2	175	7	29	<.3	17	11	283	2.95	<2	<8	<2	<2	54	<.2	<3	<3	99	1.78	.066	3	10	.66	41	.19	4	2.28	.24	.11	<2	3	4	14
PIE2-5A	1	788	<3	29	<.3	27	12	424	5.95	2	<8	<2	<2	10	.3	<3	<3	229	1.15	.118	5	5	.64	13	.28	<3	1.44	.09	.07	<2	3	6	18
PIE2-6A	2	299	<3	36	<.3	16	48	238	7.01	3	<8	<2	<2	13	.2	<3	<3	458	1.28	.123	6	4	.36	21	.24	3	1.25	.09	.10	<2	12	6	25
PIE2-7A	3	271	<3	44	<.3	16	30	581	5.95	3	<8	<2	<2	21	<.2	<3	<3	189	1.75	.152	6	3	.66	13	.20	<3	1.42	.13	.12	<2	<2	7	47
PIE2-8A	2	299	<3	43	<.3	9	29	254	7.76	2	<8	<2	<2	14	.3	<3	<3	412	1.02	.117	6	7	.36	29	.24	<3	.85	.10	.13	2	9	5	68
PIE2-9A	1	753	3	38	<.3	8	10	272	6.43	2	<8	<2	<2	20	<.2	<3	3	69	1.13	.198	9	10	.30	24	.15	<3	.90	.11	.08	3	10	<2	7
PIE2-10A	11	89	<3	41	<.3	15	17	334	3.92	<2	<8	<2	<2	16	<.2	<3	<3	275	1.32	.103	5	6	.67	144	.20	4	1.35	.14	.39	<2	7	5	23
PIE2-10B	2	194	<3	42	<.3	17	21	335	3.96	<2	<8	<2	<2	19	<.2	<3	<3	327	1.37	.099	5	6	.68	173	.19	5	1.44	.17	.43	<2	8	10	23
PIE2-10C	6	160	3	53	<.3	20	22	371	5.18	2	<8	<2	<2	26	.2	<3	<3	511	1.53	.068	4	7	.75	158	.24	5	1.67	.21	.41	<2	6	8	23
PIE2-11A	1	11	<3	24	<.3	3	2	377	1.66	<2	<8	<2	2	42	<.2	<3	<3	17	1.14	.172	15	19	.10	44	.09	<3	.44	.07	.04	2	<2	4	4
PIE2-12A	2	217	3	25	<.3	21	11	263	3.04	2	<8	<2	<2	84	<.2	<3	<3	92	2.63	.075	4	25	.56	56	.19	<3	3.16	.39	.08	<2	4	10	16
RE PIE2-12A	1	221	<3	25	<.3	21	12	268	3.09	<2	<8	<2	<2	85	<.2	<3	<3	95	2.67	.076	4	22	.57	57	.20	4	3.20	.40	.08	<2	6	8	18
PIE2-13A	2	184	3	38	<.3	13	11	296	4.78	<2	<8	<2	<2	32	.2	<3	<3	243	1.53	.125	7	8	.62	45	.22	5	1.50	.19	.15	<2	3	5	22
PIE2-14A	3	205	3	60	<.3	11	23	483	5.34	2	<8	<2	<2	18	.2	<3	<3	267	1.89	.092	5	7	.67	19	.29	<3	1.35	.17	.12	<2	4	9	29
PIE2-15A	1	600	6	86	<.3	2	13	619	7.54	3	<8	<2	<2	22	.6	<3	<3	61	1.93	.241	14	4	.58	46	.23	5	1.60	.13	.11	2	7	5	<2
PIE2-16A	3	151	7	71	<.3	50	29	724	5.13	2	<8	<2	<2	80	.4	<3	<3	122	1.96	.132	8	103	2.79	35	.35	9	3.52	.06	.03	<2	2	4	<2
PIE2-17A	1	323	<3	58	<.3	44	27	764	6.09	<2	<8	<2	<2	49	.5	<3	<3	221	3.82	.116	7	54	1.88	20	.31	9	4.48	.04	.03	<2	4	4	19
PIE2-18A	1	341	6	49	.3	24	25	486	6.18	3	<8	<2	<2	19	<.2	<3	<3	270	1.32	.142	6	7	1.12	19	.31	9	2.21	.07	.06	<2	22	9	16
PIE2-19A	1	261	<3	58	<.3	18	21	393	5.80	<2	<8	<2	<2	20	.2	<3	<3	283	1.18	.113	5	7	1.05	34	.22	6	2.13	.08	.09	<2	5	5	22
STANDARD C3/FA-10R	27	69	37	165	5.7	38	12	802	3.52	59	21	2	22	30	24.1	17	24	78	.59	.098	19	170	.63	152	.08	25	1.82	.04	.17	16	466	452	470
STANDARD G-2	2	2	<3	41	<.3	8	4	548	2.12	<2	<8	<2	4	73	<.2	<3	<3	40	.65	.107	7	77	.61	244	.13	<3	.94	.07	.49	2	<2	<2	<2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 8 2000 DATE REPORT MAILED: Sept 20/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

cha Mil l e # 103

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PIE2-2A	42.30	11.23	21.82	4.75	6.66	1.91	.92	4.58	.25	.35	.001	224	23	166	159	43	20	41	5.0	.01	3.51	99.85
PIE2-10B	44.24	11.80	21.13	5.11	9.53	1.94	.83	4.77	.22	.31	<.001	240	35	193	120	33	13	41	<.1	.01	.05	99.96
STANDARD SO-15/CSB	49.18	12.90	7.36	7.31	5.93	2.26	1.77	1.68	2.74	1.42	1.069	1926	61	398	916	22	23	11	5.9	2.43	5.29	99.92

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: SEP 8 2000 DATE REPORT MAILED: Sept 20/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /FA

ACME ... V... L... ATO... L... R. ... TIN... T. ... OUV... BC ... 1R... P... ...(60... 53-... FA... (4)... L71...

(I... 002 Accredited Co.)

GEOCHEMICAL ANA..SIS CERTIFICATE

Schau, Mikkel File # A003098

1007 Barkway Terrace, Brentwood BC V8M 1A4 Submitted by: Mikkel Schau

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
PIE 1A	1.9	541	<2	77	.1	5	19	438	6.77	1	1	<2	1	19	.2	<.5	<.5	166	1.32	.220	13	7	.65	54	.192	2	1.43	.131	.26	3	<1	11.1	<1	.16	10	14	7	56
PIE 1B	3.7	435	<2	75	<.1	5	19	433	6.13	1	1	<2	1	19	.2	<.5	<.5	164	1.37	.185	13	10	.61	61	.190	<1	1.36	.148	.27	2	<1	9.8	<1	.13	9	18	2	50
PIE 2A	1.5	284	<2	47	<.1	9	19	460	6.47	2	1	<2	1	17	.3	<.5	<.5	184	1.49	.166	9	6	.57	36	.225	<1	1.20	.152	.14	2	<1	10.9	2	.72	7	11	3	42
PIE 2B	1.6	548	<2	49	.2	7	25	439	6.90	2	1	<2	2	21	.3	.7	<.5	74	1.58	.235	12	9	.49	38	.196	3	1.04	.158	.14	3	<1	11.2	<1	.92	7	30	5	41
PIE 3	2.6	283	<2	42	<.1	10	15	249	4.71	1	1	<2	1	19	<.2	<.5	<.5	311	1.18	.120	8	8	.41	29	.185	6	.99	.153	.08	2	<1	5.5	1	.25	5	3	4	32
PIE 010A	4.3	7875	<2	90	7.2	43	578	344	22.71	9	<1	<2	1	4	<.2	<.5	2.5	237	.16	.034	2	14	1.07	18	.174	<1	1.89	.017	.06	6	<1	14.4	<1	17.07	8	260	3	9
PIE 010B	18.6	7677	<2	128	4.0	18	56	457	9.88	2	1	<2	1	12	2.0	<.5	.7	279	.40	.126	7	28	1.99	92	.280	1	3.25	.080	.77	9	<1	28.5	<1	2.66	13	135	<1	14
RE PIE 010B	18.3	7342	2	128	4.2	18	55	450	9.82	3	1	<2	1	12	2.0	<.5	1.2	275	.40	.125	7	28	1.97	92	.278	<1	3.22	.087	.77	9	<1	28.2	<1	2.62	13	140	3	12
PIE 010C	3.8	1938	<2	55	.8	3	179	447	15.48	1	1	<2	1	36	<.2	<.5	<.5	21	1.48	.265	9	10	.53	27	.208	4	1.21	.117	.08	3	<1	7.8	<1	6.03	11	35	<1	1
PIE 010D	34.0	5658	<2	40	3.6	5	9	66	1.96	2	<1	<2	<1	2	.4	<.5	1.7	31	.04	.008	<1	33	.12	19	.044	<1	.23	.011	.07	54	<1	2.4	1	1.20	1	114	1	<1
PIE 011A	4.3	776	<2	54	.2	1	12	386	10.38	2	1	<2	2	22	<.2	<.5	<.5	18	1.34	.300	14	16	.34	25	.184	<1	.78	.108	.06	4	<1	8.0	<1	2.29	9	9	<1	<1
PIE 011B	3.6	825	<2	55	.2	<1	19	377	10.06	<1	1	<2	1	27	<.2	<.5	<.5	24	1.58	.352	15	11	.33	31	.165	1	.82	.117	.07	3	<1	8.0	<1	1.83	9	11	<1	<1
STANDARD C3/FA-10R	27.0	65	35	165	5.8	37	12	812	3.39	60	28	3	22	28	19.6	18.3	25.0	80	.58	.099	20	176	.61	164	.088	25	1.89	.043	.16	16	1	4.7	1	.03	7	471	475	482
STANDARD G-2	1.5	3	3	44	<.1	7	4	528	2.00	<1	3	<2	4	85	<.2	<.5	<.5	41	.68	.103	9	78	.58	253	.131	3	1.12	.149	.56	2	<1	2.6	<1	<.01	4	1	3	<1

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 18 2000 DATE REPORT MAILED: Sept 2/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA