BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2001/2002
REPORT #:	PAP 01-47
NAME:	MIKKEL SCHAU

INFORMATION

on Vancouver Island Properties for Option

FLAN (2 claims)
NEW SHOWING
(PAP 2001-91)
Irregularly distributed Au in vuggy quartz vein in polymetallic vein cutting gabbro
Au 61,000 ppb
Ag 35 ppm

KRINGLE (4 claims) **PUFF** (16 claims)
NEW SHOWINGS
(PAP 2001-91)
Hydrothermal system at edge of granodiorite emplaced in Karmutsen and Quatsino
with local sulphide pods (Cu 7.1%, Ag 67 ppm)
altered dykes (Cu 3.3%, Ag 16.5 ppm, Mo 1153 ppm)
Brecciated veins with local small felsic dykes in Karmutsen Flows and/or sills
(Cu 4.5%, Ag 24 ppm, Au 107 ppb, and Pd 118 ppb)

PIE (4claims)
(PAP 2001-91)
Sulphide veins in a thick sulphidized and mineralized magnetite layer in gabbro
1.3% Cu and 373 ppb Au in vein
.2% Cu, 337 ppb Au and 68 ppb Pd in layer

TORTE (2 claims)
NEW SHOWING
(PAP 2001-91)
Sulphide vein in gabbro near granodiorite contact
777 ppm Cu in vein
732 ppm W in vein
103 ppb Au in vein
231 ppb Pd in vein

note: *all values quoted above are maximum values from hand samples selected to show local presence of mineralization*

Please find enclosed a report on prospecting activities by Mikkel Schau, as agreed upon in contract PAP-2001-91.

This year palladium was found in interesting concentrations in both the SVI (at Torte Claims) and the NVI (at the Puff Claims) regions. Both instances seem to be hydrothermal vein systems, and future work will be needed to see if these interesting shoeings will amount to anything commercial.

I am sad that the PAP is being terminated. I believe that it has returned far more than it has cost society. It is not a subsidy, but rather an investment in the small entrepreneur. I hope that the program will return again.

Thank you for your efforts over the years on behalf of this project

Signature of Grantee:

Mikkel Schau
31-01-2002

DAY	PROJECT AREA	DATE 2001	man-days	P-days	Work performed
1		April 20			submitted PAP2001 proposal
2		May 21			proposal accepted
3		May 28			contract signed
4	NVI	June 14	S, AT	1/2	prospect road near Adam River
5	NVI	June 15	S, AT	1 1/2	stake, prospect and sample KRINGLE 1-4
6	NVI	June 16	S, AT	2 1/2	prospect and sample FLAN 1-2
7	NVI	June 17	S, AT	3 1/2	Prospect and sample Rooney and Kunnum Cks
8	NVI	June 18	S, AT	4 1/2	prospect and sample KRINGLE 1-4
9	NVI	June 19	S, AT	5 1/2	prospect and sample KRINGLE 1-4 and Maquilla Quarry
10	SVI	June 20	S, AT	6	prospect near Malahat
11		June 27			PAP 1st cheque appears
12	NVI	June 28			Dr TM Gordon inspects samples
13	SVI	July 4	S	7	Mt Wark prospect and sampling sulphidic mafic units
14	SVI	July 11	S, RG	8	Marble Bay, prospect and sample rock and resample bark anomaly
15	SVI	July 13	S, AT	9	Meade Creek prospect and sampling
16	SVI	July 14	S, AT	10	Prospect and sample PIE 1-4
17	SVI	July 15	S, AT	11	Prospect and sample Holland Lake and Hidden Hills
18	SVI	July 16			meet with Dr C.Dunn re bark samples
19	SVI	July 23	S	12	prospect and sample Koksilah outlier
20	NVI	July 26	S, JH	13	visit KRINGLE and FLAN with Regional Geologist

DAY	PROJECT AREA	DATE 2001	man-days	P-days	Work performed
21	SVI	July 27	S	14	prospect and sample basal sediments near Nanaimo
22		August 4	S	15	prospect and sample PIE 1-4 and surrounds
23	SVI	September 9	S, JBH	16	prospect and sample Meade Creek
24	SVI	September 28	S, AT	17	Stake, prospect and sample TORTE 1-2
25	SVI	September 29	S, AT	18	prospect and sample PIE and old Holland quarry
26	SVI	September 30	S, AT	19	prospect and sample near PIE
27	NVI	October 15			visit Dr G Nixon re NVI
28	NVI	October 18	S, AT	20	prospect and sample L.O'Connor
29	NVI	October 19	S, AT	21	prospect and sample KRINGLE
30	NVI	October 20	S, AT	22	prospect and sample Kim Ck
31	NVI	October 21	S, AT	23	prospect and sample FLAN
32	NVI	October 22	S, AT	24	prospect KRINGLE
33	NVI	November 16	S, AT	25	prospect Adam River
34	NVI	November 17	S, AT	26	stake and prospect PUFF1-10
35	NVI	November 18	S, AT	27	stake and prospect PUFF 11-16
36	NVI	November 19	S, AT	28	prospect and sample KRINGLE
37	NVI	November 27	S, JH	29	prospect and sample PUFF and KRINGLE with Regional Geologist
38	SVI	November 28	S	30	prospect and sample Hidden Hills
39		January 19-26, 2002			attend Round-up and show PAP results at Prospectors Showcase

submitted 31-01-2002

TECHNICAL RESULTS

NVI Project

Claims

FLAN (2 claims-staked late 2000, prospected this session)

Flan claims are underlain largely by a west dipping gabbro sill, small patches of its upper contact have been sampled in a small outcrop. The property is largely covered by till in the lower parts, and thin till and slide materials on the middle slopes, only the upper parts of the claims are well exposed and shown to be greenstone/finegrained gabbro. A vein with a north strike is seen to carry chlorite, epidote, quartz with variable amounts of sphalerite, pyrite and chalcopyrite and minor amounts of gold. A steep west striking zone with local vuggy quartz cuts the previously described vein, and samples from intersection carry up to about 2 opt gold. The gold is very irregularly distributed, and adjacent pieces can be free of gold.

Current results categorized as to target type are shown below:

White quartz veins in gabbro:

gold:	up to 61.04 gm/mt (check analysis of first sample)
palladium:	up to 16 ppb
silver:	up to 15.3 gm/mt (check analysis of first sample)
nickel:	up to 36 ppm
copper:	up to 5536 ppm
molybdenum:	up to 113 ppm
zinc:	up to 5489 ppm

Green polymetallic veins in fault zone in gabbro sill:

gold:	up to 407 ppb
palladium:	up to 9 ppb
silver:	up to 9.6 ppm
nickel:	up to 32 ppm
cobalt:	up to 187 ppm
copper:	up to 4115 ppm
molybdenum:	up to 173 ppm
zinc	Up to 5566 ppm

a finer grained gabbro from contact zone (i.e. non mineralized gabbro):

gold:	6 ppb
palladium:	31 ppb
silver:	<.5 ppm
copper:	240 ppm
nickel:	17 ppm

representative values from sulphide bearing cherty country rock near contact:

gold:	up to 4 ppb
palladium:	up to 3 ppb

silver:	up to <.3ppm
copper:	up to 255 ppm
nickel:	up to 23 ppm

The two vein sets may have been formed in the same mineralization event, although the quartz rich veins at least post-date, in part, the epidote, chloride, metal sulphide vein.The contrast in content of interesting metals between un-mineralized and mineralized rock is considerable.

Some secondary enrichment may have taken place, because small vugs were seen in quartz veins to be occupied by rust, probable remnant from oxidized pyrite, in apparently weathered subcrop samples. The enrichment may be due to weathering of sulphide rich samples in an aerated soil profile. This weathering may have affected the concentrations of the gold. On the other hand, small vugs were also seen in quartz within the green veins, far removed from obvious weathering.

KRINGLE (4 claims- staked 2001)

Kringle Claims are staked on a skarn and hydrothermal system associated with a contact between Karmutsen basalts and sills, Quatsino limestone and Jurassic granodiorite. The main occurrence is on the roadcuts exposed on the Island highway but mineralization is found in the adjacent bush as well. Many fresh dacite and rhyodacite veins cut the altered contact.

Magnetite with local blebs of pyrrhotite, pyrite, and/or chalcopyrite are developed in the garnet skarn. Argillicly altered dykes and veins in the granodiorite are mineralized with sulphides as well. Locally these dykes are altered with abundant malachite.

PUFF (16 claims -staked 2001)

Puff claims are staked on Karmutsen lavas and sills adjacent to the Kringle Claims, on veins and vesicle fillings with chalcopyrite and other copper minerals. A larger number of claims than in previous efforts were staked because the veins were unusual in that they contain Pd and Au in anomalous amounts as well as the silver and copper expected in this setting. The main vein is exposed in a quarry wall, and on inspection is seen to thicken where intersecting vein/faulting and thin felsite dykes occur. The quarry floor seems to contain 5 or more discrete veins, but the persistence of some veins along strike is not known, but appears to exceed 30 m.

The copper minerals have been extensively altered and present a supergene aspect: malachite and black copper (CuO) has been identified as forming part of the extensive alteration suite affecting the near-surface vein regions.

Interesting areas

Kunnum Creek

The Pd bearing till anomaly located last year has not been explained by this year's prospecting. The bedrock tested so far carries far less Pd than till. A till

up drainage is also not anomalous. The location of the cutoff requires further sampling.

Maquilla quarry.

A quarry for road ballast, contains at the faulted back of a quarry, a thin, but continuous over 10's of metres vein carrying values of copper and silver. The possibility of more veins cannot be ruled out.

Rooney Main

A road cut showing an epidotized carbonate vein returned anomalous values for copper and gold. The possibility of more veins cannot be ruled out.

O'Connor Lake

A quarry developed in magnesian basalts, possibly belonging to the Karmutsen Group, although Muller assigns the rocks in this area to the Bonanza Group. The basalts apparently overlie cherty sediments with minor sulphides. A sign that this region, though not this quarry should be prospected more diligently in future.

SVI-PROJECT

Claims

PIE (4 claims-staked 2000, prospected this session)

This is an extract from a recently submitted assessment report...

A sulphide veined, locally layered gabbro stock with a thick magnetite layer near its top contains local concentrations which are encouraging to further prospecting.

Current results categorized as to target type are shown below:

quartz veins in gabbro:

gold:	up to 373 ppb
palladium:	up to 16 ppb
silver:	up to 6.6 ppm,
nickel:	up to 36 ppm
copper:	up to 13041 ppm
molybdenum:	up to 6 ppm

quartz veins in meta-sedimentary country rock:

gold:	up to 11 ppb
palladium:	up to 4 ppb
silver:	up to <.3 ppm
nickel:	up to 29 ppm
copper:	up to 694 ppm
molybdenum:	up to 156 ppm

thin pyrrhotite veins and disseminated sulphides in magnetite layer in gabbro:

gold:	up to 337 ppb
palladium:	up to 68 ppb
silver:	up to 10.5 ppm
copper:	up to 2626 ppm
nickel:	up to 62 ppm
titanium(soluble)	up to .50%
vanadium(soluble):	up to 458 ppm

a finer grained gabbro from contact zone (i.e. non mineralized gabbro):

gold:	6 ppb
palladium:	31 ppb
silver:	<.5 ppm
copper:	240 ppm
nickel:	17 ppm
titanium(soluble)	.14%
vanadium(soluble):	181 ppm

representative values from sulphide bearing layers in country rock:

gold:	up to 4 ppb
palladium:	up to 3 ppb
silver:	up to <.3ppm
copper:	up to 255 ppm
nickel:	up to 23 ppm
titanium(soluble)	up to .31%
vanadium(soluble):	up to 202 ppm

Local variability is considerable; a somewhat larger than a cubic meter sized ripup had samples knocked from each corner, the results are quite variable for Pd (from 25 to 53 ppb), Au (from 60 to 314 ppb), and copper (from 55 to 2626 ppm). This variability stems from the narrow reaction rims around the several pyrite veins that traverse the fragment.

Some secondary enrichment has apparently taken place, because small specks of native copper was seen in apparently weathered subcrop samples. The enrichment is presumably due to weathering of sulphide rich samples in an aerated soil profile. This weathering may have affected, but with either enrichment or impoverishment, the concentrations of other elements. Only samples from fresh rock (i.e. removed from zone of weathering) will answer this query.

Specimens collected down section (i.e. assuming the layering was once horizontal and in an upright position) across a sheared portion of magnetite bearing gabbro

	In ppb		In ppm				%
	Pd	Au	Ag	Cu	Ni	V(sol)	Ti(sol)
A	2	10	.7	248	62	217	.50
B	<2	<2	<.3	155	52	166	.36
C	<2	5	<.3	107	30	129	.28
D	<2	3	<.3	169	38	123	.32
F	3	<2	<.5	111	37	102	.21
G	<2	<2	<.5	104	34	104	.18
H	2	<2	<.5	168	50	137	.24
I	2	<2	<.5	110	36	110	.20

The data shows that the sheared gabbro is depleted in most of the aqua- regia soluble elements. Pd, in particular, is less than a tenth of values seen in unaltered gabbro. Copper seems depleted as well, whereas soluble Ti is seemingly elevated. Sample A is the least deformed and most likely to retain "original values". Sample I has small epidote segregation, and samples in the middle are generally rusty and argillic in appearance, suggesting feldspars have been converted to clay in the most sheared part of the zone.
End of extract....

TORTE (2 claims-staked 2001)

A sulphide bearing, locally layered gabbro stock with a thick magnetite layer near its top contains local chalcopyrite bearing veins which are encouraging to further prospecting. The location is near a contact with granodiorite stock, and small dykes of this unit cut the gabbro near the vein. In particular, the unusual coincidence of W and Pd is of great interest, both to me as a prospector, and to my more academic friends.

Interesting areas

Marble Bay and the plant anomaly

A gabbro sill at the base of the Karmutsen is a high priority target. Tree bark from trees growing over its position were considered to be anomalous in their Pd content last year and the area was resampled this year. The anomaly has disappeared much to everyone's chagrin.

Hidden Hills

Argillicly altered, foliated felsic porphyry, some with quartz eyes, others without, shows extensive development of 1-2mm pyrite crystals, and more rarely, solid beds of pyrite, up to 10-20cm thick. The depositional environment is exceedingly promising, but assays have provided little, to no, encouragement to stake as yet.

Koksilah outlier

The base of the Karmutsen remains a target of choice, but little was seen of it along the proposed trace of it on geological maps. Instead, a granite mass is of greater area than shown on maps.

Holland quarry

In the PAP proposal it was suggested that a proposed shonkinite stock occurrence be investigated near the PIE claims. The old Holland Quarry was located and rock in question was found to be a biotite rich amphibolite carrying the unmistakeable imprint of being involved in a high-strain event. The protolith was apparently hornblende porphyry, with tectoclasts of Hall Mtn gabbro and Jurassic granodiorite.This event would seem to postdate the emplacement of the gabbro and granodiorite. It presumably formed during Cretaceous or later, Tertiary, time. Thus the shonkinite was re-evaluated to consist of a highly sheared version of Paleozoic volcanic rocks tectonically blended with gabbro and granodiorite. Chemical analysis confirms that the sampled rock is not similar to a shonkinite.

Mt Wark

Amphibolite seggregations with sulphide have been located in Mt Wark Gneiss. They have been sampled on a casual basis, and there is no reason to continue.

Nanaimo Group

Basal sections of the Nanaimo Group are potential sources for paleo-placers and potentially conduits for later fluids. Whenever they have been observed they have been prospected. Pyrite nodules in black shales have been analysed with no anomaly and results are not included here.

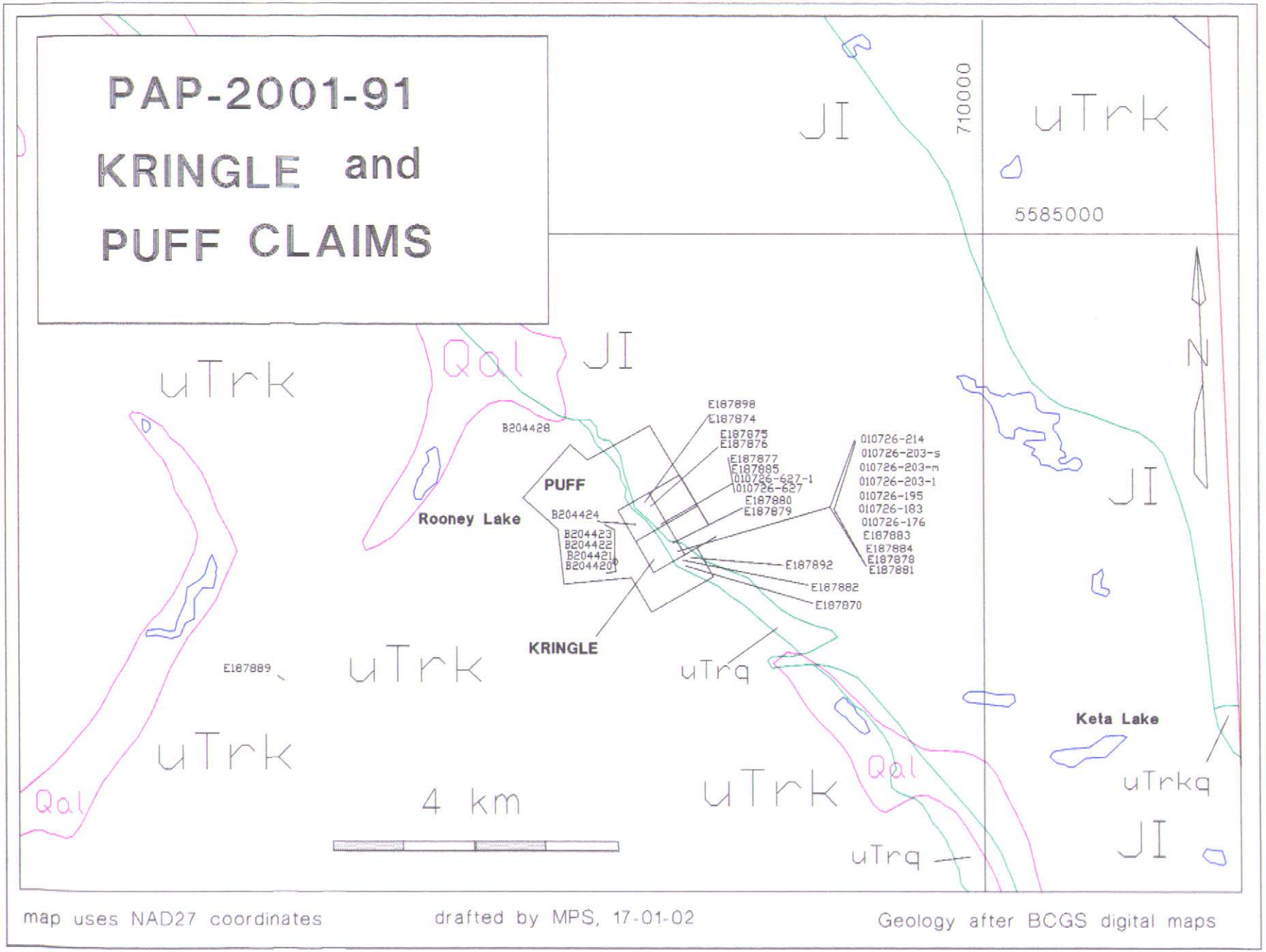
MAPS

Notes on Maps

Detail maps for NVI include a map placed in NTS092L08 (Kringle and Puff) and two maps in NTS092L01, Mt Adam (to show the sampling at FLAN) and Mt Abel, to show the sampling up Kunnum Creek.

Detail Maps for SVI include the NW corner of a colour copy of Mullers Map of NTS092B to show the location of 1-1 (Torte), 1-2 (PIE) and 1-3 (Hidden Hills).
The large amount of data collected from PIE is found in the recently submitted Prospectors Assessment Report attached to this PAP Report.
A colour map by Fyles, shows the location of the Marble Bay Plant assay site and Meade Creek locations. The map by Fyles was used because the features investigated were no noted on later BCGS maps.
Maps are provided for 092L01

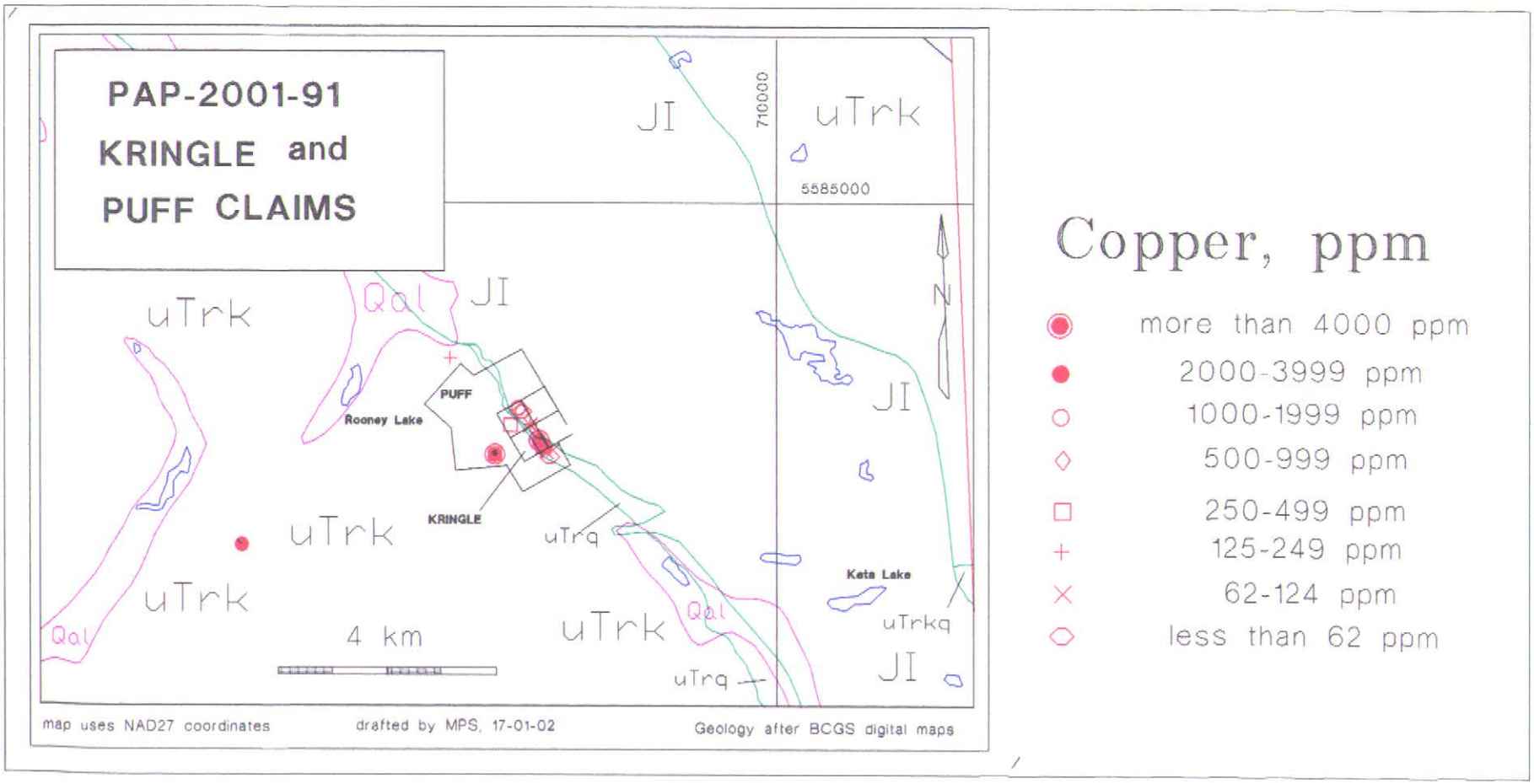
PAP-2001-91
KRINGLE and PUFF CLAIMS

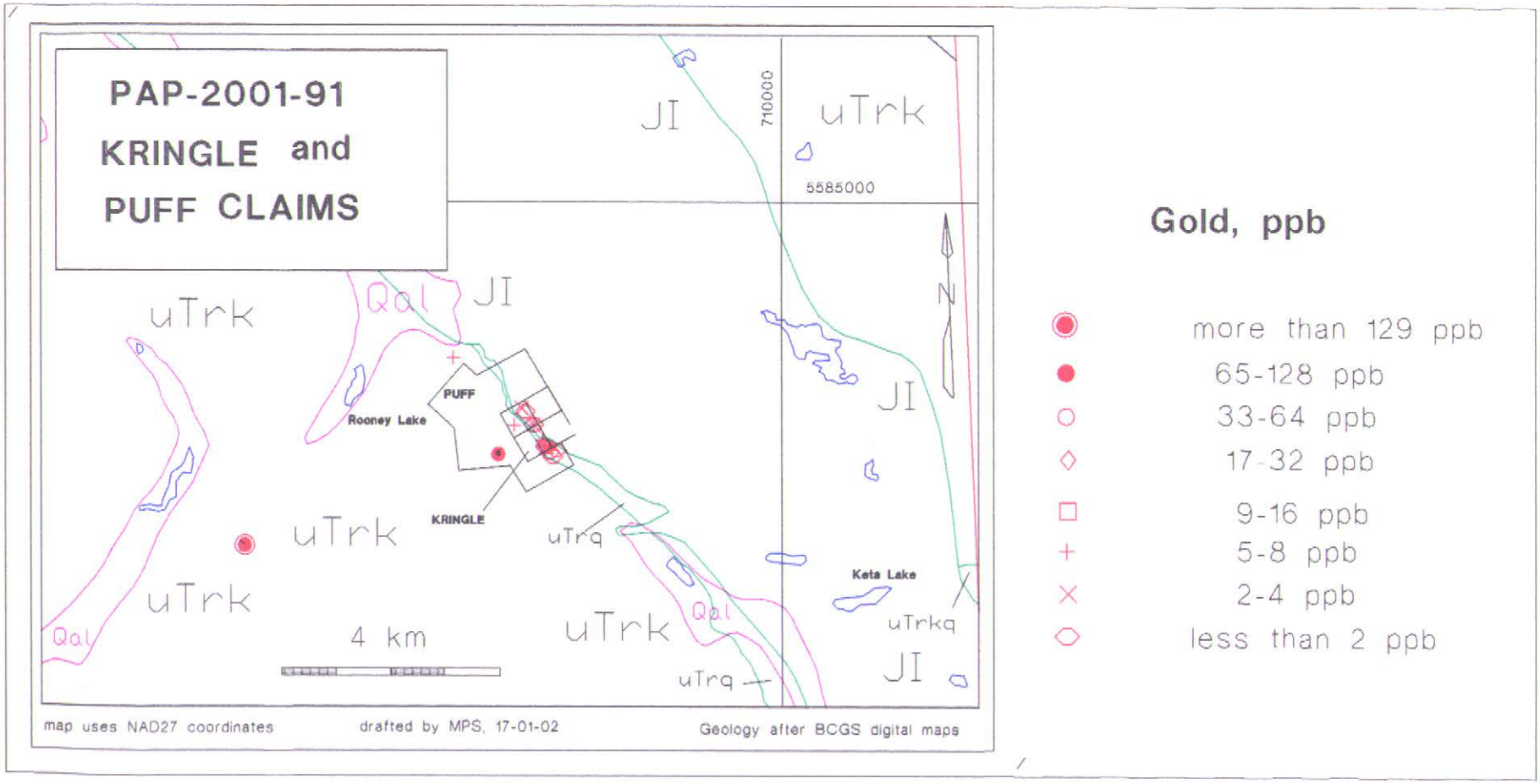


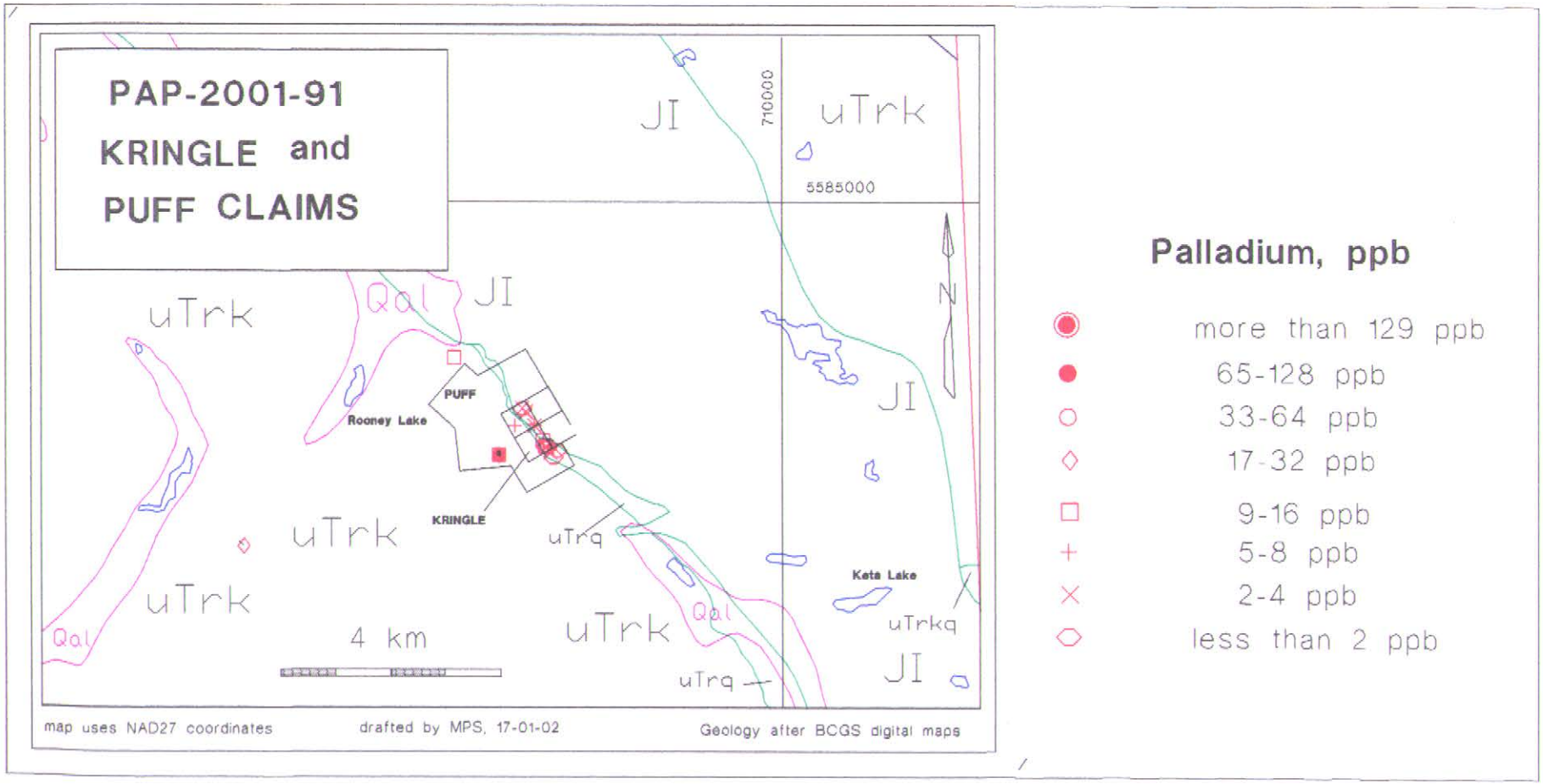
map uses NAD27 coordinates

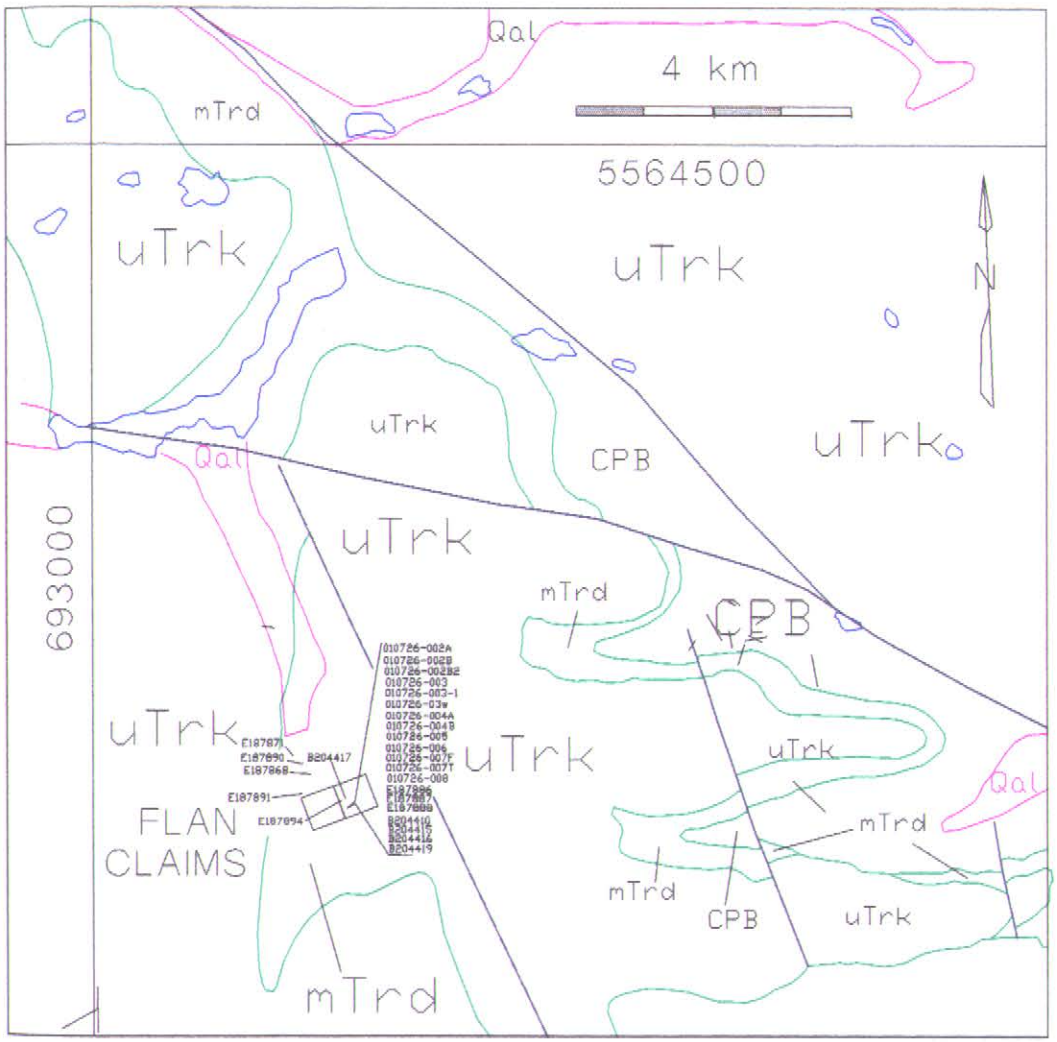
drafted by MPS, 17-01-02

Geology after BCGS digital maps


PAP-2001-91
KRINGLE and
PUFF CLAIMS
JI
710000
uTrk
5585000
N
uTrk
Qal
JI
PUFF
Rooney Lake
KRINGLE
uTrk
uTrq
uTrk
Keta Lake
uTrkq
Qal
4 km
uTrk
Qal
uTrq
JI
map uses NAD27 coordinates
drafted by MPS, 17-01-02
Geology after BCGS digital maps
Copper, ppm
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


PAP-2001-91
KRINGLE and
PUFF CLAIMS
JI
710000
uTrk
5585000
N
Qal
JI
uTrk
PUFF
Rooney Lake
KRINGLE
uTrk
uTrq
uTrk
Keta Lake
uTrk
Qal
Qal
4 km
uTrkq
uTrq
JI
map uses NAD27 coordinates
drafted by MPS, 17-01-02
Geology after BCGS digital maps
Gold, ppb
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


PAP-2001-91
KRINGLE and
PUFF CLAIMS
JI
710000
uTrk
5585000
N
uTrk
Qal
JI
PUFF
Rooney Lake
KRINGLE
uTrk
uTrq
uTrk
Qal
4 km
uTrk
Qal
Kata Lake
uTrkq
JI
uTrq
map uses NAD27 coordinates
drafted by MPS, 17-01-02
Geology after BCGS digital maps
Palladium, ppb
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



P.A.P. 2001
91, Schau
Northern Area
MOUNT ADAM

ASSAY LOCATIONS
and
FLAN CLAIMS

LITHOLOGY

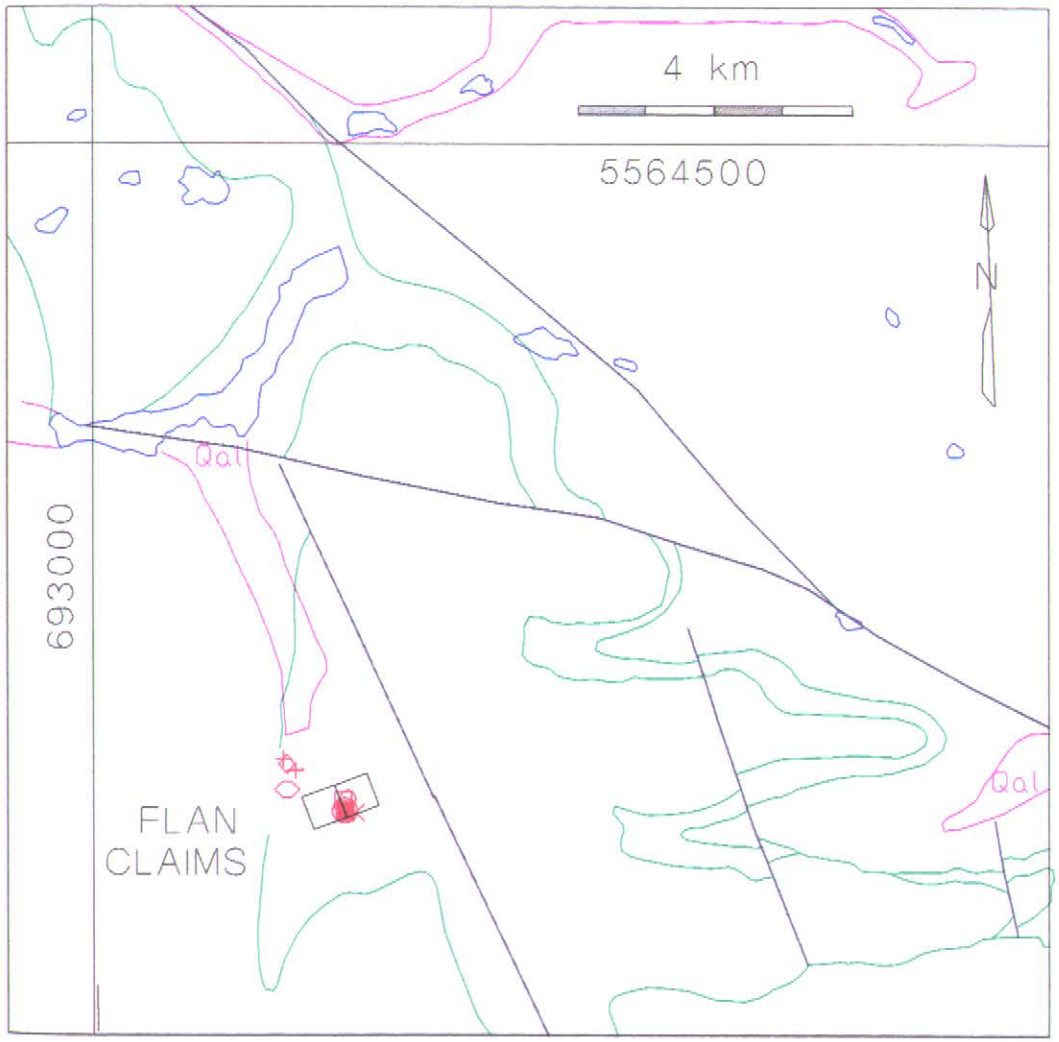
Qal overburden

uTrk basalts

mTrd slate/sills ×target

CPB cherts,etc

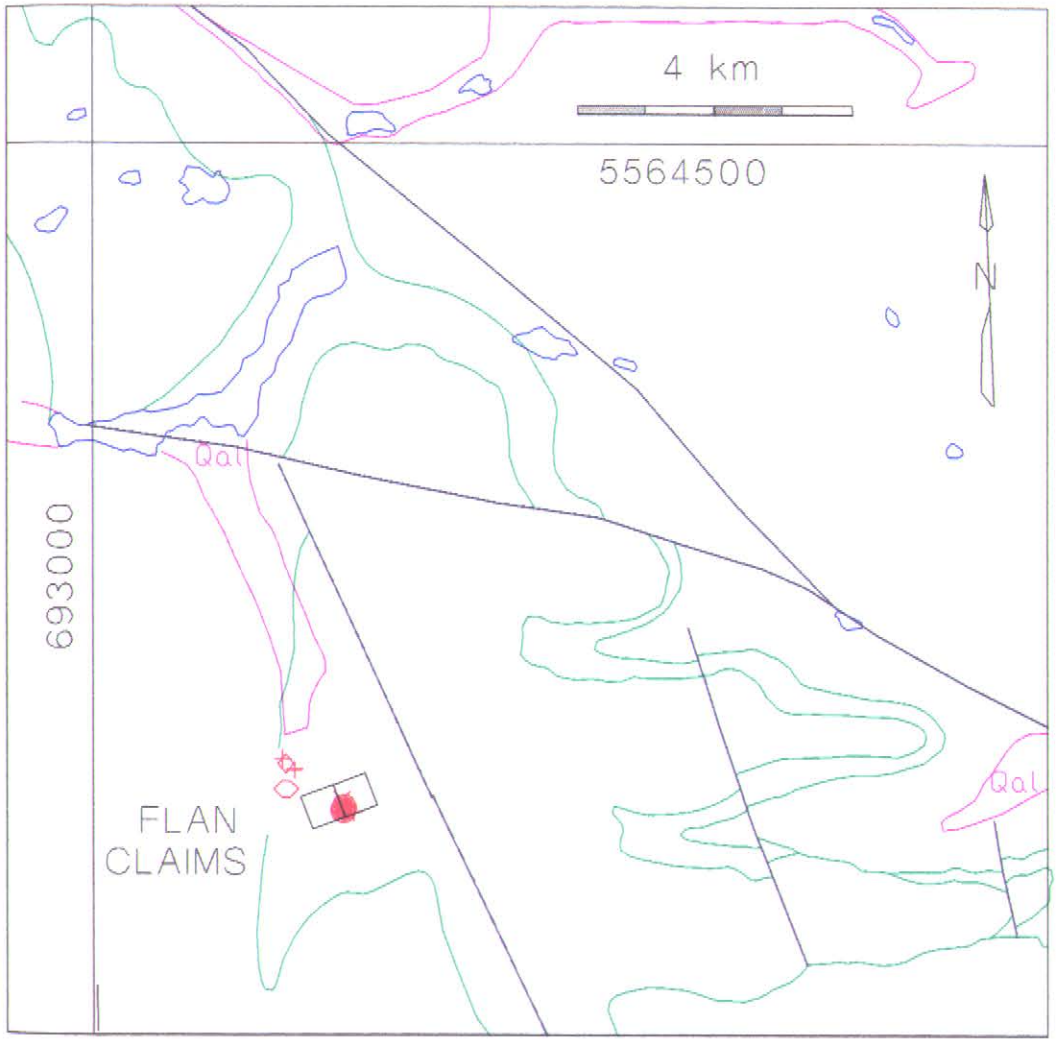
Drawn by MPS, 31-01-2002 maps use NAD27 coordinates digital maps after BCGS



P.A.P. 2001
91, Schau
Northern Area
MOUNT ADAM
Copper, ppm

- ◉ 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

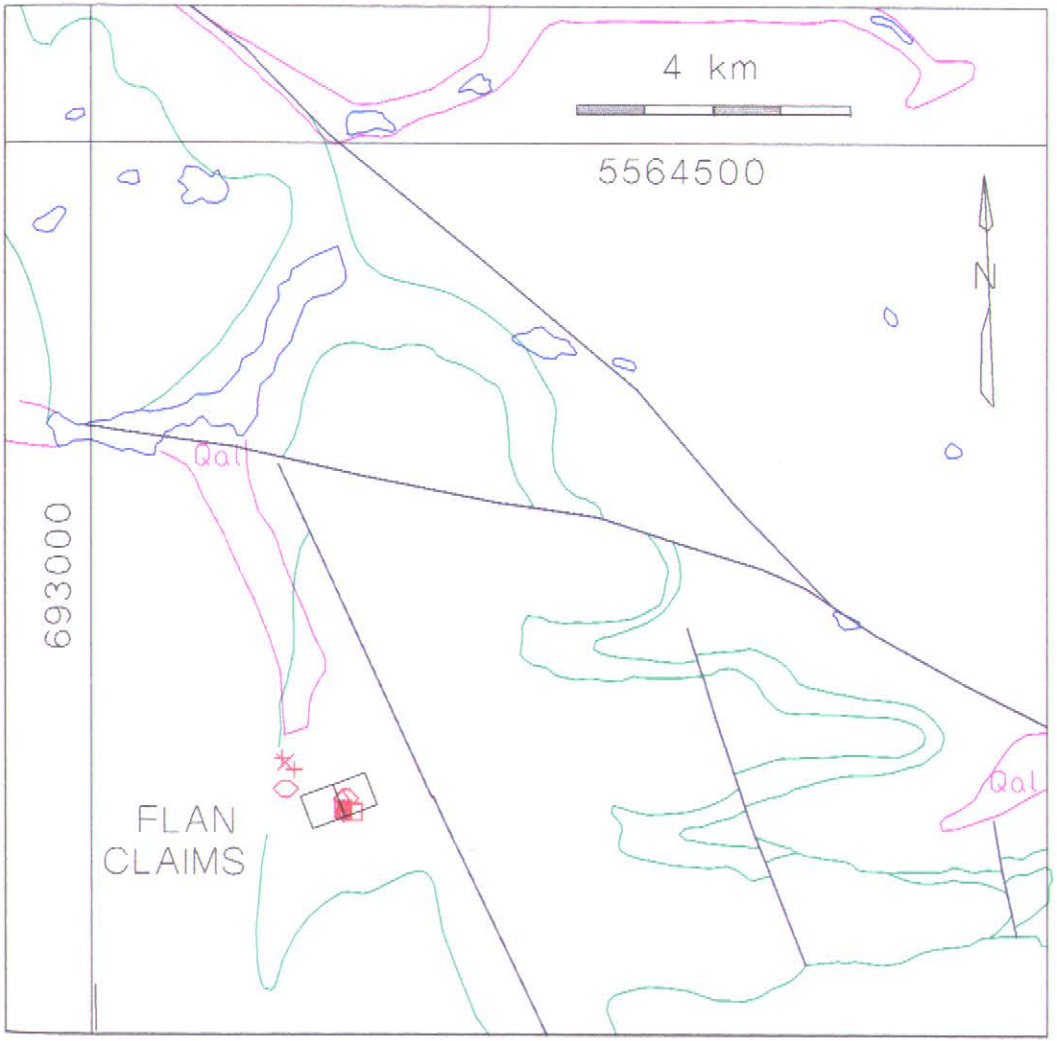
Drawn by MPS, 31-01-2002 maps use NAD27 coordinates digital maps after BCGS



P.A.P. 2001
91, Schau
Northern Area
MOUNT ADAM
Gold, ppb

- 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

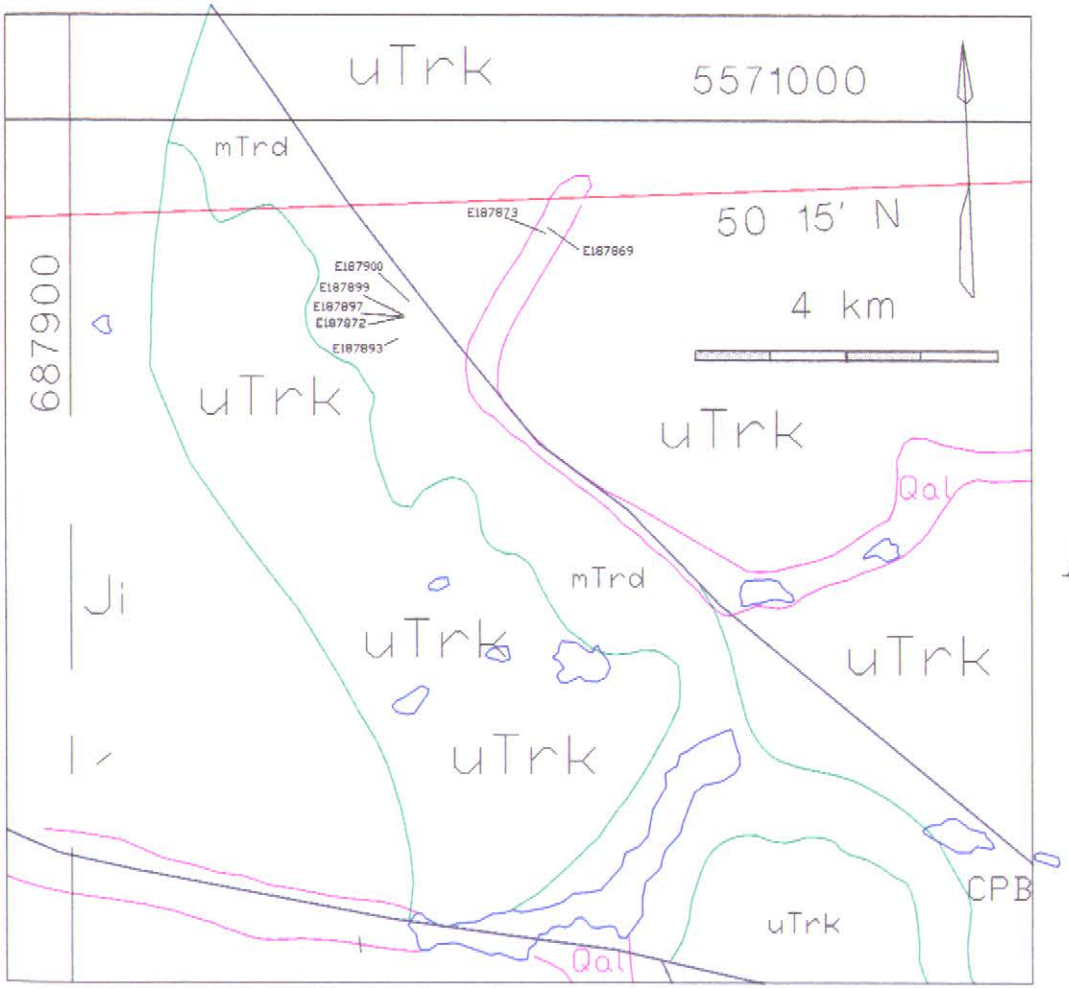
Drawn by MPS, 31-01-2002 maps use NAD27 coordinates digital maps after BCGS



P.A.P. 2001
91, Schau
Northern Area
MOUNT ADAM
Palladium, ppb

- ◉ 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

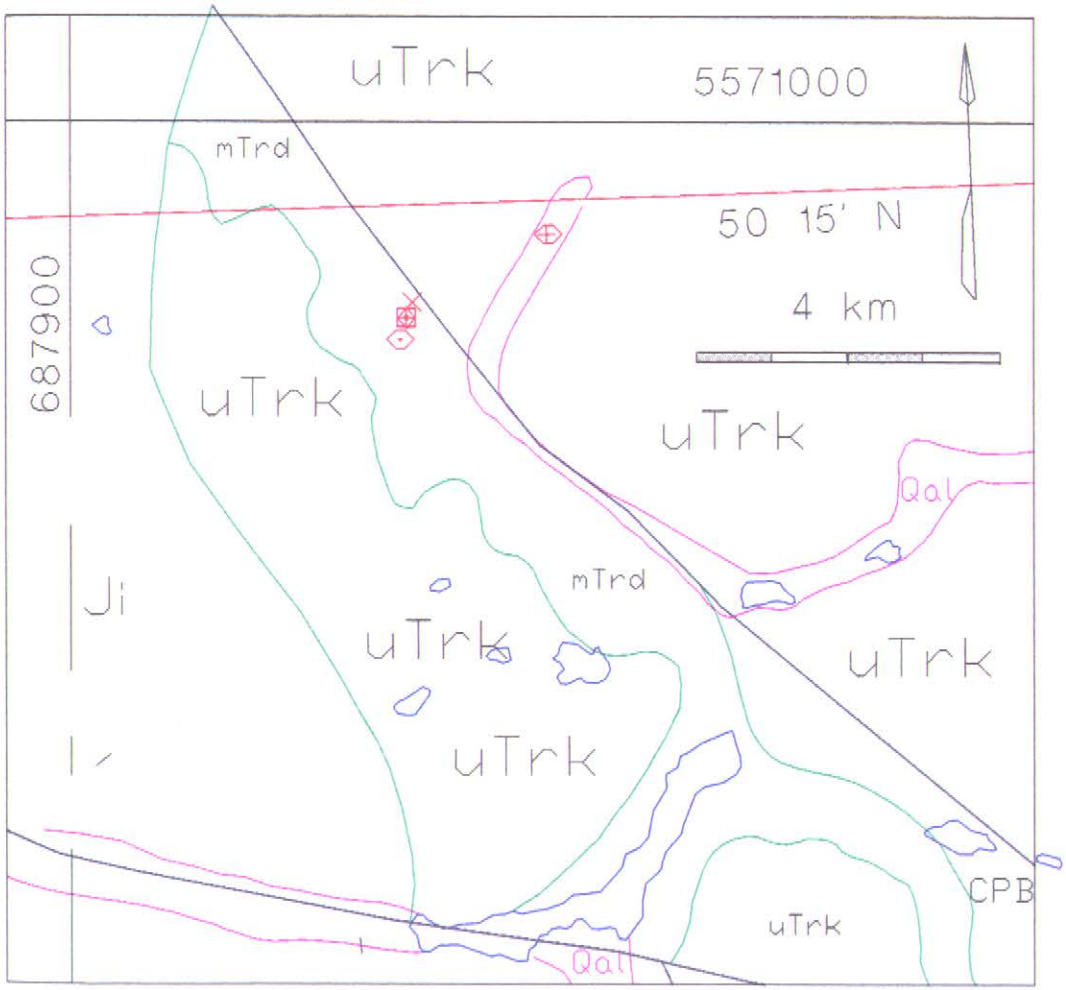
Drawn by MPS, 31-01-2002 maps use NAD27 coordinates digital maps after BCGS



P.A.P. 2001
91, Schau
Northern Area
MOUNT ABEL

Assay Locations

Drawn by MPS, 31-01-2002, maps use NAD27 coordinates digital map after BCGS



P.A.P. 2001
91, Schau
Northern Area
MOUNT ABEL
Copper, ppm

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- 1000-1999 ppm
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- 125-249 ppm
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- less than 62 ppm

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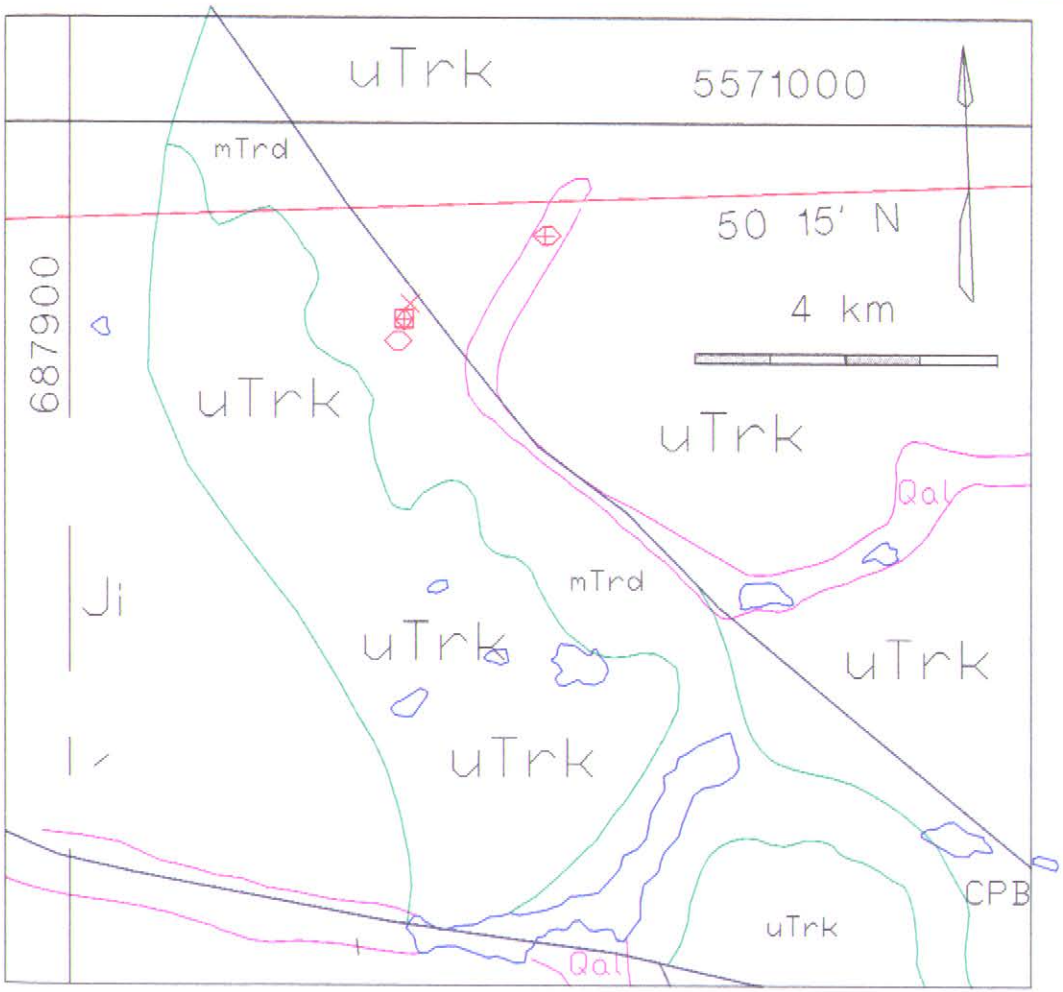

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Gold, ppb

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- × 2-4 ppb
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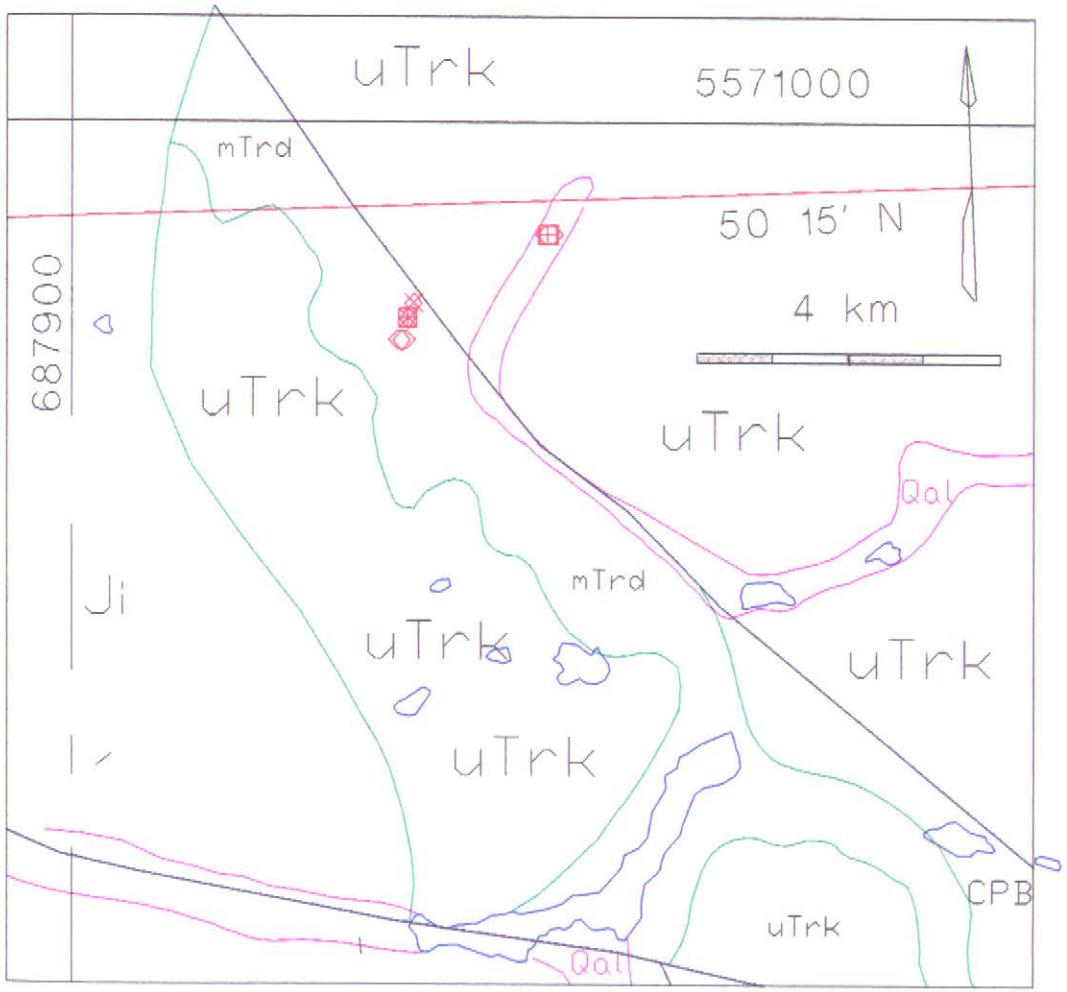
Drawn by MPS, 31-01-2002, maps use NAD27 coordinates digital map after BCGS



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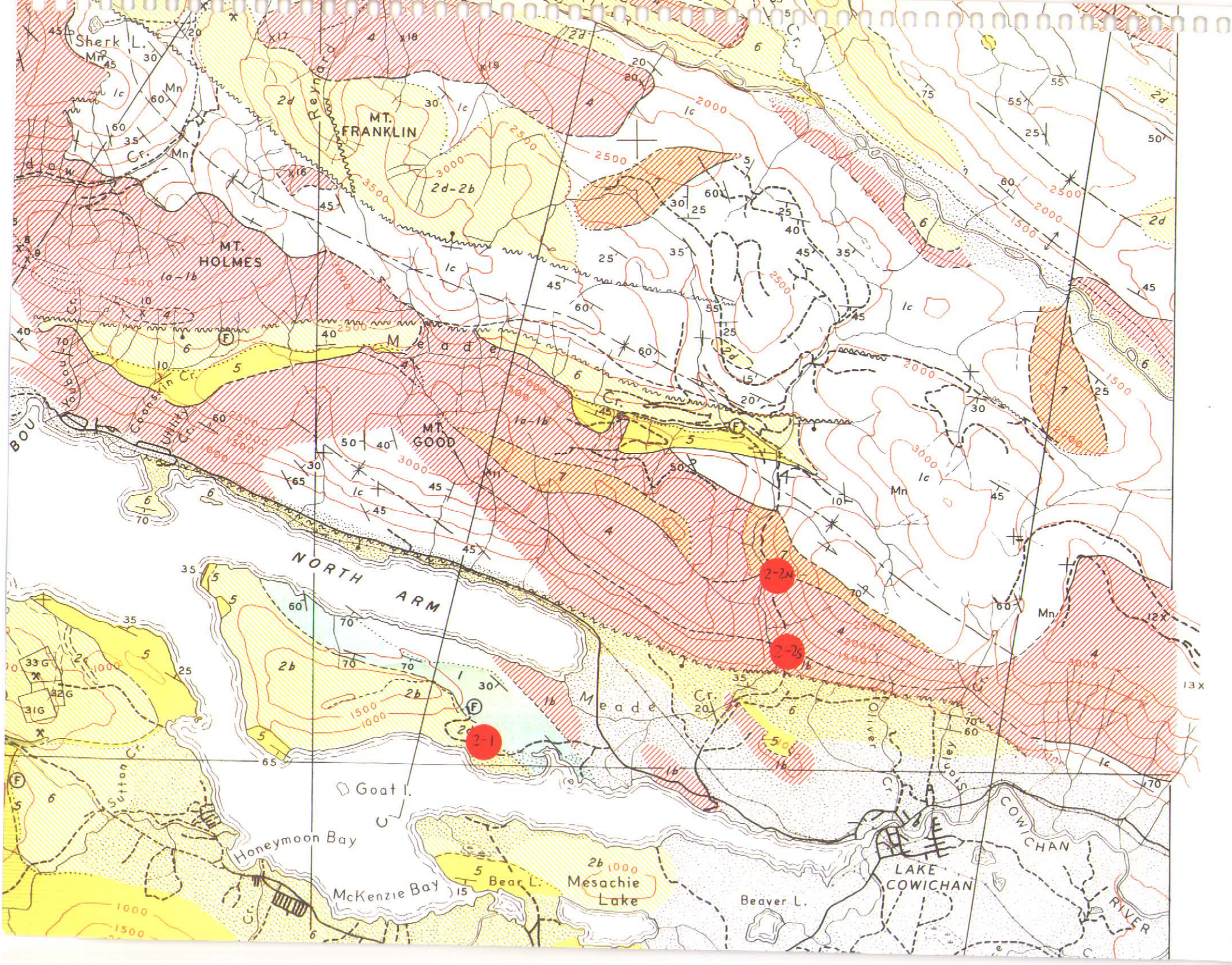
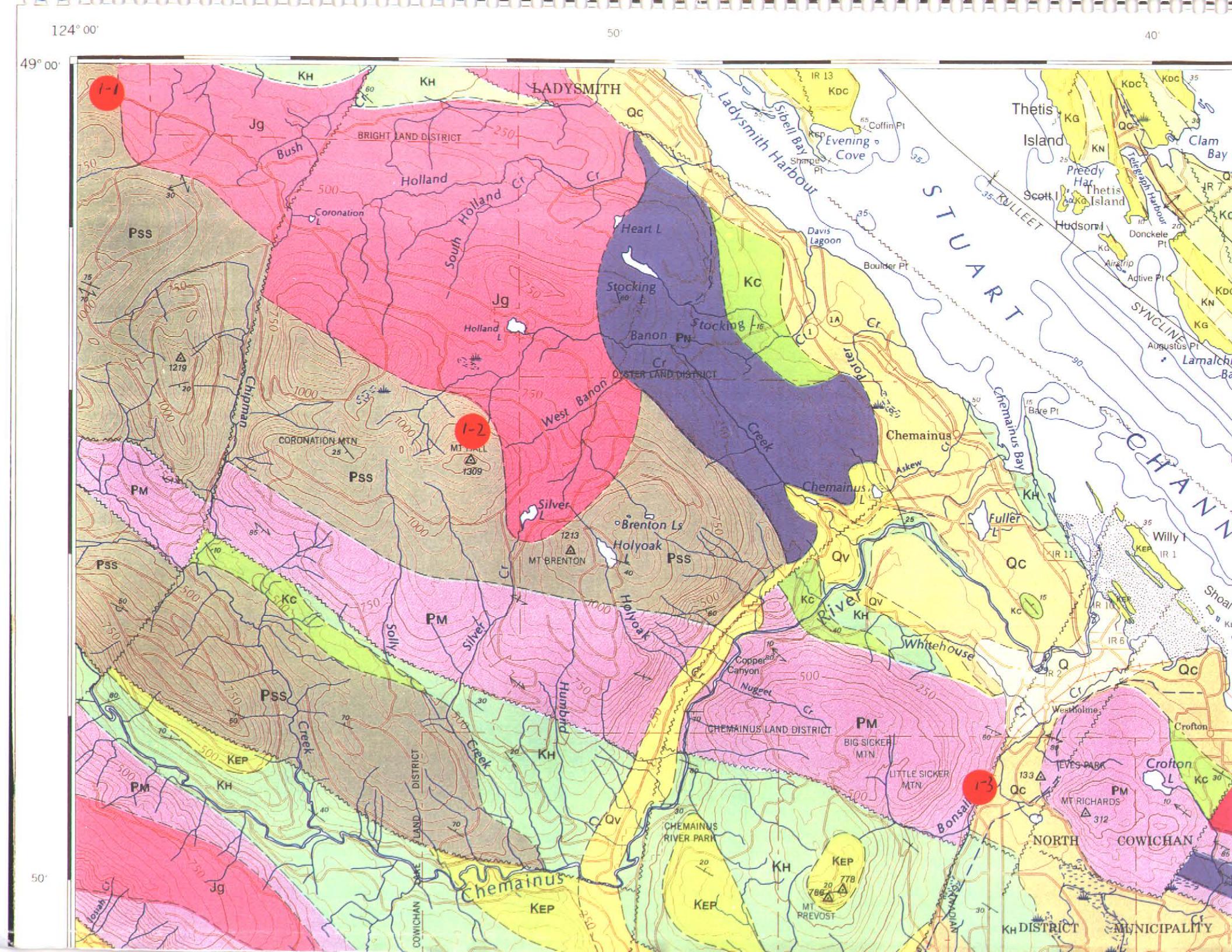

Sherk L.
MT. FRANKLIN
MT. HOLMES
MT. GOOD
Meade Cr.
Coonskin Cr.
Unlikely Cr.
NORTH ARM
Meade Cr.
Oliver Cr.
Goat I.
Honeymoon Bay
McKenzie Bay
Bear L.
Mesachie Lake
Beaver L.
LAKE COWICHAN
COWICHAN RIVER
Sutton Cr.
2-1
2-2S
2-2N


124° 00'
50'
40'
49° 00'
50'
1-1
1-2
1-3
LADYSMITH
BRIGHT LAND DISTRICT
OYSTER LAND DISTRICT
CHEMAINUS LAND DISTRICT
CHEMAINUS RIVER PARK
Ladysmith Harbour
Sibell Bay
Evening Cove
Coffin Pt
Sharpe Pt
Thetis Island
Preedy Har
Telegraph Harbour
Scott I
Hudson I
Donckele Pt
Clam Bay
Davis Lagoon
Boulder Pt
Airstrip
Active Pt
Augustus Pt
Bare Pt
Chemainus Bay
Willy I
Shoal
Kulleet
STUART CHANNEL
SYNCLINE
Jg
Pss
PM
Kc
Qv
Qc
KH
KEP
KDC
KG
KN
Bush
Holland
South Holland Cr
Coronation
Heart L
Stocking L
Stocking Cr
Banon Pn
West Banon Creek
Chapman
Porter Cr
Chemainus
Askew
Chemainus L
Fuller L
Silver L
Brenton Ls
Holyoak L
Holyoak Cr
Solly Creek
Silver Creek
Humbird Creek
Whitehouse
River
Copper Canyon
Nugget Cr
Westholme
Crofton
Crofton L
Eves Park
Bonsall Creek
CORONATION MTN
MT HALL
1309
1219
MT BRENTON
1213
BIG SICKER MTN
LITTLE SICKER MTN
MT RICHARDS
312
MT PREVOST
786
778
133
NORTH COWICHAN
DISTRICT MUNICIPALITY
IR 13
IR 11
IR 10
IR 6
IR 2
IR 1
IR 7

APPENDICES

APPENDIX: Descriptions of Assayed materials

Assayed silts

STATION kind, type, description	all in zone 9 UTME	UTMN	ppb PD	PT	AU	ppm AG	CU
July 9, 2001 A101910, group 1D,							
E187868 010616-152, Schoen Creek, west side tributary, silt, brown, organic, poorly sorted with gravel,	,695971	,5555382,	,5	,< 2	,8	,< .3	,132
E187869 010617-173 Kunnum Creek tributary, large stream, gravelly creek sediment sample	,694212	,5569534	,11	,< 2,	< 2	,< .3	,145
E187870 010619-183 KRINGLE Claim, tributary just south of Initial Post, organic rich gravelly creek sediment	,705821	,5580361	,< 2	,3	,< 2	,< .3	,59
E187871 010616-158 Schoen Creek, west side tributary, sand with pea sized fragments	,695797	,5555545,	,5	,< 2,	7	, .4	,173
E187872 010617-170B Kunnum Creek, up side tributary near source of fresh green boulder till, from road cut,	,692334	,5568436,	,19	,3	,5	, .4	,423
E187873 010617-172 Kunnum Creek tributary ,small tributary, brown sediments	,694193	,5569534,	,16	,5	,4	, .4	,179

assayed rocks

STATION kind, type, description	all in zone 10 UTME UTMN	ppb PD	PT	AU	ppm AG	CU
July 9, 2001 A101911 KRINGLE CLAIMS						
E187874 010618-177-990m, massive pyrite pods in altered granodiorite (Ji)	,705257 ,5581249,	,4	,3	,2	,< .3	,17
E187875 010618-177-900A, chloritite with abundant pyrite with some chalcopyrite	,705318 ,5581184,	4	,< 2,	< 2	, < .3	,1318
E187876 010618-177-900B rusty pyrite layer in granodiorite	,705319 ,5581184,	,2	,< 2,	< 2	, < .3	,49
E187877 010618-176-616 leucocratic dyke with chlorite and pyrite veins	,705478 ,5580936,	,4	,3	,5	,0.5	,84
E187878 010618-174-164 rusty aphanite with pyrite blebs	,705703 ,5580541,	,3	,3	,< 2	,1.2	,865
E 187879 , 010618-175-295 massive pyritic and pyrrhotitic sulphide w/ chalcopyrite	,705637 ,5580651	,5	,< 2	,5	**,6.5**	**,7350**
E187880 010618-175-312 skarn with abundant pyrite and chalcopyrite	,705630 ,5580665,	,12	,< 2,	8	**,68.6**	**,66405**

E187881 010618-174-236 greenish, clay altered, felsic aphanite dyke several metres	,705668	,5580565,	,10	,3	,5	,4.7	,2029
E187882 010618-174-045 pale aphanitic felsite with malachite stain	,705764	,5580440,	,3	,4	,< 2	,0.3	,115
E187883 010618-174-155 thin pyritic sulphide veins in aphanite	,705708	,5580535,	,< 2	,< 2	,5	,< .3	,185
E187884 010618-174-162 chlorite and pyritic sulphide veins in white aphanite	,705705	,5580539,	,3	,2	,3	,< .3	,271
E187885 010618-176-625 pyritic sulphide vein in white aphanite	,705474	,5580944,	,5	,4	,< 2	,< .3	,99
FLAN CLAIMS							
E187886 010616-147L lower part of quartz vein fragment 1 cm wide 5 cm by 3 cm	,696684	,5554791,	,16	,4	,70	,4.6	,2476
E187887 010616-147M middle part of quartz vein fragment 4 cm wide 4 cm by 3cm	,696684	,5554791,	,9	,3	**,134**	,3.8	,1958
E187888 010616-147U upper part of quartz vein fragment 7 cm wide 4 cm by 1cm	,696684	,5554791,	,14	,< 2,	**103**	**,7.3**	,3507

ROONEY REGION E187889 010617-162A Rooney Lake road, epidote vein in Karmutsen basalts (enriched in magnetite), 15cm,3cm,5cm	,700182 ,5578749,	,23	,3	**,284**	,2.2	,3975
SCHOEN VALLEY E187890 010616-159 quarry, slickenside with epidote and sulphide streaks in granite	,695840 ,5555476,	,3	,2	,30	,1.6	,780
E187891 010616-156B otc in granite contact zone, very altered broken rock	,695845 ,5555099,	,< 2	,< 2,	< 2	,< .3	,11
KRINGLE						
E187892 010615-140A Kringle south edge , logging main, biotite and magnetite rich layer w/pyrite in gneissic grnd	,705884 ,5580479,	,< 2	,< 2,	< 2	,< .3	,66
KUNNUM						
E187893 010617-166 Kunnum Creek, float, wallpaper disseminated in feldspar porphyry	,692252 ,5568144,	,18	,10 ,	< 2	,< .3	,191
FLAN, E187894 010616-146B near northern edge, outcrop, feldspar- phyric gabbro	,696661 ,5554944,	,19	,< 2,	2	,< .3	,329

MAQUILLA QUARRY

E187895 010619-184E Maquilla quarry, thin quartz vein with chalcopyrite in fault at far wall of quarry within diorite	,685060 ,5550730,	,< 2	,< 2,	7	**,6.5**	**,5774**
E187896 010619-184D maquilla quarry same vein 20 m north, about 1cm wide with quartz and chalcopyrite and malachite in granodiorite	,685030 ,5550730,	,< 2	,< 2	,19	**,9.1**	**,6351**
KUNNUM CREEK E187897 010617-170C Kunnum creek, till outcrop, rusty vuggy rust/bog iron/tree trunk? Fragment in till	,692335 ,5568436,	,3	,< 2,	9	,<.3	,94
KRINGLE CLAIM E187898 010615-138 road-near 950m. Pyritic sulphide rich dark medium grained intrusion with inclusion of skarn	,705257 ,5581244,	,< 2	,2	,2	,1.3	,3578
KUNNUM CREEK E187899 010617-170A Kunnum creek, till outcrop, fragment of rusty black aphanite	,692334 ,5568436,	,12	,6	,22	,1.6	,216
E187900 010617-169 At end of logging road, outcrop, epidosite	,692410 ,5568629,	,18	,7	,2	,<.3	,80

A101911R check assays for Cu and Mo
KRINGLE
E187880 wp175-312m, see above, **Cu=7.053%, Ag=67.2gm/mt**
skarn with abundant sulphide

E187881 wp 174-236m, see above, **Mo=.112, (repeat) .112 %**
greenish altered felsic aphanite

A101911R2 check assays for Au
FLAN CLAIMS
E187886 ,696684 ,5554791,
E187886 wp147Al, see above, Au=.08 gm/mt
lower part of quartz
vein fragment fault
zone in gabbro
1 cm wide 5 cm

E187887 ,696684 ,5554791,
E187887 wp147Am, see above, **Au=.14 gm/mt**
middle part of quartz
vein fragment fault
zone in gabbro
4 cm wide 4 cm

E187888 ,696684 ,5554791,
E187888 wp147Au, see above, **Au=.12 gm/mt**
upper part of quartz
vein fragment in
fault zone in gabbro
7 cm wide 4 cm by 1cm

ROONEY
E187889 ,700182 ,5578749,
E187889 wp162A, see above, **Au=.16 gm/mt, (repeat) .25gm/mt**
logging road, epidote
vein in Karmutsen
15cm,3cm,5cm

A102318 Aug 3,01, 1DX, 4A, 4B
Mt Wark
010705-001A, 466259, 5375570, 2, <2, 2, <.5, 153
magnesian amphibolite

010705-001B amphibolite with pyrite	466259, 5375570,	36,	11,	21,	.8,	1513
010705-002, amphibolite with pyrite	466259, 5375570	<2,	<2,	<2,	.3,	19
Marble Bay						
010710-001A,WR, 10, gabbro with minor epidote veins	416723, 5409860,	28,	<2,	7,	<.5,	263
010710-001AE 10, gabbro with minor epidote veins	416723, 5409860,	11,	2,	11,	.4,	221
010710-001B 10, gabbro with minor epidote veins	416723, 5409860,	18,	2,	6,	<.3,	273
Meade Creek						
010713-186A,WR,10, otc old logging road, basic monzodiorite dyke (later)	421104, 5412062,	8,	2,	<2,	<.5,	74
010713-186C,WR,10, talus, old logging road, sulphide and carbonate bearing monzonite near contact with basic dyke	421104, 5412062	<2,	<2,	5,	<.5,	71
010713-186D 10, talus, old logging road , thin basic dykelet with sulphide, dykelet seen in place w/out sulphide	421104, 5412062,	2,	2,	16,	<.3,	20
010713-187A, 10, otc, old logging road, dark rusty uncertain CR	421020, 5412128,	<2,	<2,	3,	.6,	262
010713-187B,WR,10, otc, old logging road rusty mafic granodiorite	421020, 5412128,	3,	<2,	3,	<.5,	216
010713-187C,WR,10, otc, old logging road late white feldspar vein (cleavelandite)(10%K2O)!!	421020, 5412128,	6,	<2,	2,	<.5,	6

010713-187D,WR,10, otc, old logging road host mafic rock w/ hornblende phenocrysts (cut by monzonite)	421020, 5412128,	9,	<2,	<2,	<.5,	11
010713-187E,WR,10, old logging road talus sulphide bearing granodiorite	421020, 5412128,	5,	3,	6,	<.5,	148

The following descriptions, until noted are extracted from a recently submitted Assessment Report

PIE GROUP

010714-199A kettle sized ripup, grab, magnetite, hornblende bearing mela-gabbro, with sulphide veinlets	,435090 ,5418939	,30	,8	,<2	,.4	,571
010714-200C outcrop, grab, mainly pyrite and chalcopyrite from sulphides disseminated in alteration around a pyrite-quartz vein	,435142 ,5419000	,16	,2	**,373**	**,6.6**	**,13041**
010714-200B weathered ripup fragment, grab, quartz vein with pyrite aggregates and chalcopyrite in alteration (native copper?)	,435145 ,5419001	,9	,<2	,12	,.5	,1061
010714-201A outcrop, thin horizontal gossany vein of sulphide and rust, 3 cm wide, only vein material sampled, it cuts medium grained gabbro.	,435207 ,5419073	,17	,11	**,377**	**,10.5**	,1715
010714-201B outcrop, thin vertical gossany vein of sulphide and rust, 1 cm	,435208 ,5419073	,25	,2	**,214**	,2.6	,835

wide, as above

010714-204A, WR outcrop, grab, porphyritic gabbro very near contact (<1m), very thin pyrrhotite veins cross contact, but are most prevalent, though not abundant, in gabbro. Gabbro itself is fine grained with conspicuous feldspar phenocrysts. This is probably best estimate of the original gabbro composition.	,435259	,5419035	,31	,5	,6	,<.5	,240
010714-197B,WR kettle sized ripup, grab, magnetite and hornblende mela-gabbro, with pyrite veinlets	,435264	,5419176	,41	,6	,11	,<.5	,336
010714-197A,WR as above, grab, magnetite and hornblende gabbro, with thin pyrite veinlets	,435264	,5419180	,38	,3	,13	,<.5	,324
010714-203A outcrop, grab, coarse grained gabbro with thin local, chlorite and pyrite, pyrrhotite veins with minor chalcopyrite, local layering at 230/30, local shear at 060/vertical is about 10 cm wide	,435267	,5419147	,35	,4	,4	,<3	,423
010714-203B,WR outcrop, thin feldspar layers in gabbro	,435268	,5419147	,38	,3	,4	,<.5	,260
E187854 outcrop, grab, gabbro with disseminated sulphides in magnetite grain	,435270	,5418986	,3	,2	,2	,<3	,144
010714-202A,WR ripup, broken, gabbro with minor chalcopyrite (taken below road at location to reproduce previous high Pd reading)	,435275	,5419074	**,52**	,<2	,13	,<.5	,535

E187861	,435353	,5419053	,3	,<2	,4	,<.3	,255
outcrop, grab, disseminated pyrite in hornfelsed siltstone							
E187858	,435353	,5419054	,3	,<2	,9	,<.4	,228
outcrop, grab, quartz-pyrite vein, in above host							
E187857	,435354	,5419298	,3	,4	,43	,<.3	,606
outcrop, grab, 10 cm pyrite vein, in medium grained magnetic gabbro							
E187856	,435354	,5419304	,3	,<2	,12	,-	,652
outcrop, grab, pyrite vein in medium grained magnetic gabbro							
E187853	,435380	,5419054	,4	,<2	,11	, n/a	,694
outcrop, grab, vein, mainly pyrite with minor chalcopyrite in siltstone							
010714-205A	,435392	,5419409	,2	,2	,10	,.7	,248
outcrop, samples A to I are spaced along this water washed channel across the trend of the unit. All the samples are in argillicly altered gabbro, each end being less altered than the middle samples.							
010714-205B	,435392	,5419410	,<2	,<2	,<2	,<.3	,155
010714-205C	,435392	,5419411	,<2	,2	,5	,<.3	,107
010714-205D	,435392	,5419412	,<2	,<2	,3	,<.3	,169
010714-205F,WR	,435392	,5419418	,3	,<2	,<2	,<.5	,111
010714-205G,WR	,435392	,5419420	,<2	,<2	,<2	,<.5	,104
010714-205H,WR	,435392	,5419423	,2	,<2	,<2	,<.5	,168
010714-205I,WR	,435392	,5419429	,2	,<2	,<2	,<.5	,110
shear direction 240/75 for all locations, more epidote near I, veins and cross veins with clay alteration and rust common C-F.							
E187852	,435429	,5419457	,2	,<2	,17	,1.2	,1783

outcrop, grab, rusty sulphide vein composed mainly of pyrite, with minor chalcopyrite in medium grained gabbro

End of extract....

Hidden Hills 010715-001A,WR, 10, (wp 206) talcose volcaniclastic phyllonite w/ scattered pyrite blebs	447569, 5412394,	<2,	<2,	<2,	<.5,	1050

*A102490 Aug 20,01: all=IDX, *= 4A, 4B*

FLAN 010726-002A,WR gabbro with thin white quartz veins	,696684 ,5554791,	24	,5	.<2 ,	.1	,362
010726-002B , gabbro with thin white quartz veins	696684 ,5554791,	,24	,2	,<2	,.2	,409
010726-002B2, gabbro with thin white quartz veins	696684 ,5554791,	,19	,3	,<2	,<.1	,230
010726-003,WR,TS,PCO gabbro with thin white quartz veins	696684 ,5554791,	,20	,<2	,5	,<.1	,207
010726-003A TS, PCO gabbro with thin white quartz veins	696684 ,5554791 N/A					
010726-003-1,WR gabbro with thin white quartz veins	696684 ,5554791,	,18	,<2 ,	<2 ,	.1	,287
010726-004A ,WR green vein with pyrite sphalerite, and chalcopyrite set in chlorite, quartz, epidote, and carbonate gangue	696683 ,5554793,	,9	,2	,76	**,9.6**	**,4115**

010726-004B ,WR,TS,PCO 010726-004B1 TS, PCO, green vein with pyrite sphalerite, and chalcopyrite set in chlorite, quartz, epidote, and carbonate gangue, local quartz vugs in center	696683 ,5554793, 696683 ,5554793 N/A	,3	,<2	,17	,3.5	,1852
010726-005 , gabbro with thin white quartz veins	696684 ,5554785,	,11	,<2	,5	,.2	,209
010726-006,WR , gabbro with thin white carbonate veins	696684 ,5554791,	,7	,<2	,<2	,.2	,94
010726-007F,WR , Cherty sediments with thin veins	696684 ,5554811,	,2	,3	,<2	,.3	,117
010726-007T,WR,TS,PCO sulphidic and rust stained gabbro, near contact. TS shows contact.	696684 ,5554805,	,23	,4	,9	,.3	,476
010726-008 , sulphidic and rust stained gabbro,	696684 ,5554796,	,22	,4	,2	,.7	,525
010726-03w , gabbro with thin white quartz veins	696684 ,5554791,	,24	,1	,1	,0.5	,389
KRINGLE 010726-176 010726-176,WR, TS wollastonite skarn	,705712 ,5580544,	,<2	,<2	,<2	,.1	,106
010726-183 010726-183,WR, TS andesite dyke	705712 ,5580544,	,4	,<2	,4	,<.1	,37

010726-195 010726-195, LTS, PCO skarn	705712 ,5580544,	,2		,1	,1	,1.4	,796
010726-202 TS, skarn	705711 ,5580543						
010726-203-1 010726-203-magneite with sulphides and skarn	705712 ,5580544,	,18	,4	,1	,2.3	,2023	
010726-203-m 010726-203 marble	705712 ,5580544,	,1	,3	,4	,0.2	,149	
010726-203-s 010726-203 skarn	705712 ,5580544,	10	,2	,1	,2.3	,2321	
010726-214 010726-214 sulphidic skarn	705712 ,5580544,	,33	,4	,37	,1.1	,1964	
010726-627 010726-627 TS, skarn inclusion	705712 ,5580544,	,6	,7	,1	,0.6	,151	
010726-627-1 010726-627-1,WR skarn inclusion	705712 ,5580544,	,6	,1	,2	,0.5	,115	

A10275 Aug 20,01 1DX, 4A, AB
Torte Area, locations approximate/

010804-002,WR, gabbro	427243,5427028,	,10,	4,	9,	.1,	233
010804-003,WR, gabbro	427243,5427028,	24,	11,	5,	<.1,	95
010804-004 chert	427243,5427028,	3,	4,	4,	.9,	238
010804-005,WR manganiferous sediment 1.3%Mn	427243,5427028,	10,	<2,	5,	.9,	163

010804-006, gabbro	427243,5427028,	14,	2,	6,	.1,	364
010804-006B,WR, sulphidic gabbro, with pyrite and pyrrhotite	427243,5427028,	33,	7,	5,	.1,	446
010804-006V1 , cm thick vein in gabbro	427243,5427028,	11,	<2,	30,	.5,	836
010804-006V11 , 3 cm vein in gabbro enriched in W!!!	427243,5427028,	**269**,	24,	**108**,	1.0,	790
010804-008A, granodiorite	427243,5427028,	9,	3,	5,	<.1,	15
010804-008V ankerite vein in above intrusive	,427243,5427028,	<2,	<2,	11,	<.1,	4
Hidden Hills 010804-009 WR,/ dacitic schist	447569,5412394,	<2,	<2,	<2,	<.1,	4
010804-009B,WR,/ rhyodacitic schist	447569,5412394,	8,	<2,	<2,	<.1,	6
010804-010A/ , felsic schist	447569,5412394	14,	9,	2,	<.1,	172
010804-010B/ , felsic schist	447569,5412394	15,	7,	3,	<.1,	84

A102575R check assay for Pd and W
TORTE

010804-006V11, see above, W=732ppm , Pd=231ppb

*A103538, Oct 18,01 1D, *=4A, 4B, 1DX*
TORTE Claims

B204401, wp221-1, WR magnetic fine grained gabbro w/ disseminated and veins of pyrite and cpy, 165 m from ip and southeast past vein	427243,5427028,	16,	<2,	3,	.7,	598
B204402 , wp221-1, magnetic fine grained gabbro w/ disseminated pyrite and chalcopyrite, 165 m from IP, 10 m past vein	427243,5427028,	14,	<2,	3,	<.3,	557
Hidden Hills						
B204403, wp238A,WR gossan from Sicker Group samples of massive pyrite layers up to 10 cm thick parallel with foliation/bedding? Layer at least seen continuously for over 10 m up cliff. Host is foliated acid porphyry	447449, 5411599,	5,	2,	31,	<.3,	177
B204404, wp238B, gossan from Sicker Group as above, up to 2mm pyrite cubes	447449, 5411599,	4,	<2,	14,	<.3,	72
B204405, wp238C, gossan from Sicker Group as above but 19 m to south on another pyritic layer, this has epidote in vicinity	447449, 5411599,	4,	<2,	99,	<.3,	221

PIE vicinity							
B204406 wp239D, fine grained gabbro at contact (in quarry)	,435578, 5420278,	18,	3,	3,	.4,	176	
B204407, wp239B, dk green hornblende porphyry country rock	435578, 5420278,	5,	4,	<2,	<.3,	27	
B204408, wp239E, felsic dyke w/lag phens	435578, 5420278,	<2,	<2,		<2,	<.3,	12
B204409, wp234, black, biotite amphibolite, high-strain zone with occ gb tectoclasts	436995,5422485,	13,	12,		2,	<.3,	183
FLAN							
B204410 010726-003 white veins with vuggy cores and iron stained epidote edges in altered gabbro	,696684 ,5554791	,24	,<2 ,		<2	,0.5	,389
Meade Creek							
B204411, most northerly carbonate cemented fracture zone in contact area between Ji and Hb variably epidotized hb porphyrite	421450,5410878,	5,	<2,		<2,	<.3,	9
B204412, most southerly carbonate cemented fracture zone in contact area, with rust stained fragments of Ji	421450,5410878,	2,	<2,		<2,	<.3,	9

B204413, most southerly carbonate cemented fracture zone in contact area with abundant vuggy regions in cb,qz,chl, and rust in Ji	421450,5410878,	3,	2,	<2,	<.3,	143
B204414, HB porph dyke in volc CR	421450,5410878,	4,	<2,	<2,	<.3,	188

*A103803 Nov 7,01 1D, *=4A, 4B, 1DX*

FLAN

B204415 011021-269A, old 131 broken fault zone with small slickensided fragments of gabbro set in a matrix of pyrite chlorite and quartz, very loose, ie small fragments and much matrix	,696689 ,5554763,	,20	,5	,6	,0.4	,191
B204416 011021-269A1, old 131 on Flan broken fault zone with small slickensided fragments of gabbro set in a matrix of pyrite chlorite and quartz, very loose, ie larger fragments and less matrix	,696689 ,5554763,	,24	,4	,7	,0.8	,454
B204417 011021-268B ,old 130 on Flan, north vein, strikes northerly in fault zone; altered green stone with decimeter thick structure chlorite and epidote veins cut by quartz and sulphide veins and blebs. Sulphides include pyrite, sphalerite and chalcopyrite.	,696726 ,5554962,	,1	,1	**,407**	,4.3	,1951
B204418	,696726 ,5554962	,1	,1	,82	**,9.5**	,3801

011021-268A,
old 130 on Flan, center-vein,
immediately below quartz
vein 147, strikes northerly
in fault zone; altered green
stone with decimeter thick
structure chlorite and epidote
veins cut by quartz and
sulphide veins and blebs.
Sulphides include pyrite,
sphalerite and chalcopyrite

B204419 ,696839 ,5554764, ,14 ,1 , 6 , 0.15 , 80
011021-270A, WR
fg gb sill or less likely
, basic flow, from cliffs
above FLAN showing

PUFF/KRINGLE CLAIMS
vesicular feldspar-phyric basalts cut by thin, veined, shear zones and thin felsic dykes

B204420 ,704830 ,5580406, ,32 ,4 , 5 , 0.3 , 818
wp258 west part
of vein, mainly
broken sl sided
cr 3 cm across

B204421 ,704830 ,5580406, ,13 ,1 ,5 ,0.4 ,402
wp258 qz rich center
of vein, 2 cm.

B204422 ,704830 ,5580406, **,118** ,10 **,107** **,23.9** **,45134**
wp 258 east part of vein
, 6 cm across, copper
rich part malachite
stained

B204423 ,704830 ,5580406, ,49 ,4 ,74 **,14.5** **,29462**
wp 258 same vein,
grab, along strike
about 10 m South.

KRINGLE
B204424 ,705119 ,5580938, ,8 ,1 ,4 ,0.3 ,313

wp 262 WR
blocky fracturing,
massive, glomero-porhyritic
(fp) fine grained gabbro

Connors Lake region,
pillow basalts with southwesterly dip (210/40)

B204425 , 616575 ,5599017, ,9 ,10 ,5 ,<.3 ,129
wp 243A interpillow
chlorite rich material
with golden "mica" flakes?

B204426 , 616575 ,5599017, ,8 ,8 ,8 ,<.3 ,73
wp 243 WR,
pillow, little, complete,
about 2 m from above
slightly below A,
very magnesian basalt

B204427 ,616575 ,5599017, ,8 ,4 ,<2 ,<.3 ,124
011019-243LP,
part of big pillow,
some 6m from above,
and stratigraphically
above A, quite magnesian

KRINGLE CLAIMS

B204428 ,704014 ,5582174, ,11 ,7 ,4 ,0.15 ,158
011020-252
massive fine grained
gabbro sill in pillowed
vesicular and autoclastic
sequence of Karmutsen basalts

July 11 Trip to Marble Bay to resample the bark anomaly,
these are the barks assayed by Actlabs

010711-001-1P , 416723, 5409865, 10, DF,MS1-1
010711-001-2P , 416722, 5409866, 10, DF,MS1-3
010711-001-3P , 416725, 5409866, 10, DF,MS1-4
010711-001-4P , 416727, 5409865, 10, DF ,MS1-5
010711-001-5aP, 416729, 5409864, 10, DF,MS1-6
010711-001-5bP, 416730, 5409869, 10, DF,MS1-7
010711-002-6aP, 416688, 5409812, 10, DF,MS1-8
010711-002-6bP, 416687, 5409811, 10, DF,MS1-9
010711-003-7P , 415852, 5409869, 10, DF ,MS1-11

note, MS1-2,10, and 12 were control specimens introduced by C.Dunn as quality control.

ASSAY SHEETS

Rock and silt Analysis by ACME
Bark ash analysis by Actlabs

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 PROJECT NVI File # A101911

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 187874	2	17	<3	34	<.3	6	3	2362	6.00	8	<8	<2	<2	6	.4	<3	<3	63	7.14	.120	4	22	.19	3	.06	<3	1.20	.02	.01	4	2	3	4
E 187875	18	1318	<3	71	<.3	44	54	403	9.46	3	<8	<2	<2	7	<.2	<3	<3	384	.15	.049	2	72	3.11	41	.32	<3	2.81	.03	.71	<2	<2	<2	4
E 187876	2	49	4	30	<.3	7	4	1815	4.64	6	<8	<2	<2	8	.3	3	<3	46	5.55	.112	4	18	.20	4	.05	3	1.01	.01	.01	4	<2	<2	2
E 187877	4	84	4	50	.5	18	5	232	1.00	<2	11	<2	<2	482	1.1	3	<3	33	9.58	.073	7	9	.08	180	.10	10	5.58	.75	.09	2	5	3	4
E 187878	14	865	3	38	1.2	37	48	609	6.84	44	<8	<2	<2	32	.8	<3	<3	144	5.44	.116	7	8	.14	2	.12	<3	1.49	.01	.01	<2	<2	3	3
E 187879	12	7350	<3	212	6.5	193	129	1034	13.83	85	<8	<2	<2	1	4.6	5	<3	227	10.31	<.001	3	24	.08	8	.06	<3	1.11	.02	.02	<2	5	<2	5
E 187880	16	66405	4	486	68.6	85	157	880	18.00	131	<8	<2	<2	1	5.7	<3	<3	126	8.85	.021	2	13	.03	3	.02	<3	.71	.01	.02	<2	8	<2	12
E 187881	1153	2029	238	270	4.7	39	23	291	4.09	39	9	<2	<2	286	5.5	<3	13	306	6.51	.332	13	97	.13	1	.11	<3	2.94	<.01	.02	<2	5	3	10
E 187882	4	115	<3	13	.3	6	4	395	1.71	<2	<8	<2	<2	154	.2	<3	<3	100	8.57	.024	3	15	.31	3	.06	4	5.29	.02	.02	<2	<2	4	3
E 187883	3	185	3	52	<.3	10	16	145	3.30	15	<8	<2	<2	111	.8	<3	<3	64	1.61	.099	4	9	.44	20	.11	5	1.94	.21	.05	<2	5	<2	<2
E 187884	7	271	5	45	<.3	25	27	288	7.53	38	<8	<2	<2	29	<.2	<3	<3	149	.49	.104	6	14	1.18	41	.22	<3	1.91	.08	.07	<2	3	2	3
E 187885	2	99	<3	19	<.3	13	8	266	1.41	13	12	<2	2	467	.5	<3	3	31	8.72	.145	14	6	.08	180	.08	10	4.85	.09	.06	<2	<2	4	5
E 187886	113	2476	16	1699	4.6	37	85	1535	14.52	26	<8	<2	<2	63	12.7	<3	<3	266	.68	.048	4	10	1.89	14	.18	<3	3.53	.01	.01	<2	70	4	16
E 187887	46	1958	21	2034	3.8	21	115	875	12.38	103	<8	<2	<2	44	29.3	<3	4	114	.35	.011	2	10	.88	5	.06	<3	1.71	.01	.01	9	134	3	9
E 187888	51	3507	33	5489	7.3	25	105	916	12.97	80	<8	<2	<2	59	71.0	<3	3	139	.45	.008	2	8	.95	5	.05	<3	2.04	.01	.01	3	103	<2	14
RE E 187888	51	3505	31	5470	7.7	25	105	922	12.90	83	<8	<2	<2	59	71.8	<3	<3	140	.45	.008	2	11	.95	5	.04	<3	2.05	.01	.01	<2	103	<2	13
E 187889	2	3975	<3	27	2.2	12	3	142	1.26	<2	10	<2	<2	143	1.0	5	<3	83	3.12	.068	3	47	.10	3	.59	<3	.71	.01	.02	4	284	3	23
E 187890	2	780	202	96	1.6	2	16	844	5.94	40	<8	<2	5	55	.4	3	4	3	.80	.010	12	32	.13	14	.01	4	.77	.02	.19	2	30	2	3
E 187891	2	11	3	19	<.3	2	1	691	1.32	5	<8	<2	8	23	<.2	<3	<3	5	.37	.006	10	8	.12	49	.01	<3	1.04	.03	.10	2	<2	<2	<2
E 187892	3	66	<3	50	<.3	17	14	299	4.37	<2	<8	<2	<2	42	<.2	3	<3	154	.33	.063	5	52	1.39	68	.37	3	1.31	.08	1.07	<2	<2	<2	<2
E 187893	<1	191	<3	27	<.3	112	36	210	2.71	2	<8	<2	<2	25	<.2	4	4	65	1.69	.056	2	114	.85	8	.29	3	1.77	.17	.03	<2	<2	10	18
E 187894	<1	329	<3	39	<.3	24	13	313	3.05	3	9	<2	<2	50	<.2	4	<3	129	1.77	.091	7	24	.98	47	.16	3	1.97	.21	.04	<2	2	<2	19
E 187895	19	5774	6	108	6.5	5	28	576	4.52	2	8	<2	<2	53	.6	4	3	103	2.30	.039	6	17	1.43	3	.21	4	3.02	.03	.07	<2	7	<2	<2
E 187896	4	6351	5	73	9.1	5	21	454	3.38	<2	<8	<2	2	39	.7	<3	4	85	3.23	.028	6	20	.99	2	.15	3	2.85	.02	.02	<2	19	<2	<2
E 187897	1	94	33	141	<.3	24	16	1986	3.86	11	<8	<2	<2	8	<.2	<3	<3	39	.18	.072	9	29	1.25	98	.02	<3	1.91	.01	.11	<2	9	<2	3
E 187898	<1	1578	16	103	1.3	20	8	2609	6.77	5	<8	<2	<2	37	2.1	<3	3	92	10.22	.464	8	34	.34	3	.05	<3	1.73	.01	.01	7	2	2	<2
E 187899	24	216	33	354	1.6	79	23	199	5.35	5	<8	<2	<2	7	2.5	4	<3	108	.77	.094	4	82	.40	24	.27	<3	.48	.05	.18	<2	22	6	12
E 187900	<1	80	<3	56	<.3	55	25	533	3.90	<2	<8	<2	<2	160	<.2	6	<3	131	2.10	.077	2	76	1.71	2	.59	<3	2.50	.01	.01	<2	2	7	18
STANDARD C3/FA-10R	25	68	36	169	5.9	36	11	771	3.40	56	20	2	21	29	22.8	18	23	86	.57	.088	19	175	.63	153	.09	20	1.82	.05	.16	22	484	468	468
STANDARD G-2	1	4	3	43	<.3	7	4	529	2.03	<2	<8	<2	4	70	<.2	3	<3	44	.65	.093	8	80	.61	219	.14	3	.87	.07	.46	3	-	-	-

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: JUN 27 2001 DATE REPORT MAILED: July 9/01 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel PROJECT NVI File # A101910

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 187868	3	132	11	238	<.3	56	18	850	2.30	35	<8	<2	4	41	3.0	<3	<3	68	1.08	.042	7	76	.82	40	.16	4	2.35	.08	.06	<2	8	<2	5
E 187869	<1	145	4	65	<.3	42	23	892	4.28	3	<8	<2	3	49	.2	5	<3	139	1.33	.045	4	48	1.29	24	.45	4	2.87	.07	.06	4	<2	<2	11
E 187870	5	59	4	83	<.3	18	18	1098	3.58	<2	<8	<2	3	45	.4	<3	<3	134	1.24	.075	8	25	.57	76	.17	4	2.74	.04	.05	3	<2	3	<2
E 187871	4	173	10	343	.4	77	22	705	2.83	60	<8	<2	3	62	3.7	<3	<3	79	1.62	.041	5	102	1.11	38	.18	3	2.94	.12	.08	9	7	<2	5
E 187872	<1	423	<3	31	.4	28	14	295	2.55	8	<8	<2	2	57	.2	3	<3	102	1.36	.063	3	31	.79	32	.25	<3	2.26	.09	.06	<2	5	3	19
E 187873	1	179	<3	57	.4	42	24	648	4.42	<2	<8	<2	3	45	.2	<3	<3	164	1.21	.041	4	53	1.22	25	.50	<3	3.60	.06	.05	<2	4	5	16
RE E 187873	1	180	<3	57	.5	41	24	653	4.44	<2	<8	<2	2	45	<.2	<3	<3	164	1.22	.043	4	55	1.23	25	.50	<3	3.60	.06	.05	<2	5	6	17

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: JUN 27 2001 DATE REPORT MAILED: July 9/01 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA YING

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

ASSAY CERTIFICATE

Schau, Mikkel PROJECT NVI File # A101911R2

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

SAMPLE#	Au** gm/mt
E 187886	.08
E 187887	.14
E 187888	.12
E 187889	.16
RE E 187889	.25
STANDARD AU-1	3.34

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2001 DATE REPORT MAILED: July 20/01 SIGNED BY C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

ASSAY CERTIFICATE

Schau, Mikkel PROJECT NVI File # A101911R

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

SAMPLE#	MO %	CU %	AG gm/mt
E 187880	-	7.053	67.2
E 187881	.112	-	-
RE E 187881	.112	-	-
STANDARD R-1	.090	.831	100.3

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2001 DATE REPORT MAILED: July 24/01 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102318 Page 1

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
010705-001A	85.2	.3	14.6	1.1	1.5	4.6	<1	476.0	.2	.8	.2	<.1	362	<1	31.2	10.6	2.5	6.7	1.21	5.4	2.0	.69	2.00	.30	2.04	.38	1.23	.18	1.32	.16
010710-001A	55.6	.8	20.1	4.6	13.9	7.8	2	268.2	1.1	2.1	.2	.3	481	<1	143.7	36.4	13.3	31.8	5.19	22.8	7.3	2.05	6.27	1.10	6.81	1.42	4.27	.59	3.48	.52
010713-186A	26.6	6.1	13.4	2.5	4.4	37.0	<1	678.1	.3	3.7	.2	1.1	255	<1	65.4	19.8	20.4	41.8	5.68	23.0	6.2	1.51	5.02	.71	4.06	.76	2.23	.27	1.97	.32
010713-186C	76.6	1.7	14.5	1.6	3.0	63.0	<1	262.1	.1	.6	.4	<.1	212	<1	38.7	19.4	9.3	23.1	3.30	14.7	4.2	1.20	3.81	.60	3.43	.69	2.12	.28	2.19	.35
010713-187B	41.9	.7	17.1	1.6	2.6	44.4	<1	386.1	.2	2.3	.6	.6	364	1	48.4	21.7	10.1	20.6	2.82	11.8	3.6	1.12	3.61	.62	4.01	.88	2.45	.36	2.44	.38
010713-187C	3.4	.6	17.4	1.7	3.5	139.8	<1	481.3	.9	6.1	1.2	2.1	27	1	41.7	3.9	12.9	18.8	1.67	5.0	.8	1.15	.47	.09	.55	.14	.43	.07	.43	.10
010713-187D	48.2	1.0	13.4	1.4	2.6	31.6	1	412.6	.2	2.1	.6	1.0	266	<1	40.5	15.0	10.7	21.8	2.93	13.2	3.4	1.07	2.73	.43	2.86	.53	1.86	.25	1.66	.23
010713-187E	12.1	1.8	17.4	2.4	5.0	33.6	<1	581.5	.4	5.1	.9	2.3	56	2	96.1	24.1	19.2	38.1	4.63	17.6	4.4	1.32	3.78	.65	4.33	.86	2.80	.43	3.00	.44
010714-197A	56.1	1.2	27.9	4.6	13.8	21.2	2	275.0	1.2	1.1	.3	.5	857	2	137.4	34.9	12.5	30.7	4.57	20.0	6.9	2.32	6.57	1.14	7.06	1.32	3.84	.49	3.32	.47
010714-197B	53.1	.7	27.7	6.5	17.2	14.0	3	267.9	1.2	2.5	.5	.9	580	2	203.7	47.5	18.1	43.1	6.56	32.6	8.7	3.06	9.27	1.57	9.20	1.75	5.12	.64	4.57	.63
010714-202A	34.4	.7	27.6	11.0	29.0	17.6	6	261.9	2.4	3.7	.3	1.3	111	1	358.5	76.7	31.6	78.2	11.82	53.8	15.9	4.48	16.23	2.53	15.10	2.94	8.72	1.18	6.94	1.07
010714-203B	50.3	.4	26.6	4.5	17.0	8.8	2	206.6	1.2	.6	.1	.2	742	4	150.2	37.5	11.8	29.7	4.50	20.9	6.7	2.25	6.63	1.19	7.30	1.47	3.90	.52	3.85	.50
RE 010714-203B	53.9	.5	27.9	5.2	16.9	8.9	2	216.9	1.3	.7	.1	.2	769	4	152.0	38.8	12.9	32.2	4.72	22.7	6.8	2.44	7.30	1.23	7.48	1.47	4.37	.57	3.98	.57
010714-204A	46.5	.6	23.4	5.9	16.5	8.4	5	282.0	1.3	1.6	.1	.5	537	1	175.5	40.3	15.4	38.2	5.87	26.4	7.4	2.45	8.22	1.36	8.20	1.64	4.64	.61	3.84	.53
010714-205F	40.9	.6	22.2	4.5	21.4	12.1	<1	559.6	1.8	2.1	.1	.8	289	<1	157.0	20.4	17.5	39.4	5.41	23.7	6.1	1.90	5.10	.76	4.55	.79	2.07	.29	1.62	.23
010714-205G	45.0	.7	22.1	4.2	20.2	20.9	1	660.1	1.5	.9	.2	.4	303	<1	138.7	19.2	18.0	40.8	5.42	24.2	5.7	2.07	5.85	.75	4.46	.77	2.04	.24	1.53	.24
010714-205H	53.5	.6	21.6	4.8	23.1	11.9	1	563.4	2.0	1.1	.1	.6	365	<1	154.4	20.7	17.7	40.7	5.65	25.1	6.5	2.25	5.52	.89	4.65	.79	2.07	.29	1.67	.23
010714-205I	43.2	.8	23.8	4.3	21.8	18.1	<1	654.9	1.8	1.7	.1	.2	297	<1	158.4	19.2	18.2	39.9	5.48	23.2	5.8	1.88	5.09	.76	4.28	.70	2.02	.25	1.74	.21
010715-001A	4.3	.3	8.2	2.8	3.7	16.6	<1	110.0	.3	3.1	<.1	1.1	16	1	98.1	18.5	12.9	23.2	2.59	9.7	2.8	.84	2.11	.46	3.33	.56	1.86	.28	2.12	.30
STANDARD SO-16	418.2	5.6	15.9	6.5	22.3	240.6	3	52.2	1.9	28.5	.5	41.0	127	20	223.0	105.0	63.9	129.8	16.18	63.5	18.2	2.83	15.59	2.77	16.06	3.20	9.87	1.49	9.68	1.38

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: JUL 23 2001 **DATE REPORT MAILED:** Aug 3/01 **SIGNED BY.** C. Toye D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

WHOLE ROCK ICP ANALYSIS

Schau, Mikkel File # A102318 Page 1

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 %
010705-001A	41.28	14.96	15.58	12.24	8.98	1.74	.39	.87	.06	.19	.017	155	106	31	3.7	.02	.28	100.04
010710-001A	47.87	11.92	16.01	6.38	8.90	3.00	.32	2.74	.24	.24	.003	143	84	38	2.3	.01	<.01	99.95
010713-186A	46.01	14.94	10.36	6.57	6.36	3.29	1.76	.81	.47	.26	.017	983	60	32	9.0	1.62	.03	99.97
010713-186C	47.87	17.04	12.31	6.64	2.46	2.59	3.34	.90	.31	.23	.007	1958	58	25	6.1	.30	1.85	100.03
010713-187B	47.66	15.72	12.12	6.57	7.49	2.90	2.33	.98	.23	.21	.007	679	32	33	3.7	<.01	.26	100.00
010713-187C	63.74	17.06	1.06	.23	4.58	1.12	10.29	.10	<.01	.02	.003	4840	33	1	1.1	.02	<.01	99.85
010713-187D	49.14	12.75	10.79	9.81	10.65	2.16	1.53	.68	.22	.22	.065	503	112	38	1.9	.01	<.01	99.99
010713-187E	60.33	16.52	6.43	2.22	4.87	4.76	1.51	.47	.28	.12	.002	472	35	7	2.6	.01	.66	100.17
010714-197A	45.52	11.92	19.90	4.71	8.52	2.56	.74	4.46	.21	.29	.005	251	72	39	1.0	.04	.56	99.88
010714-197B	47.37	11.49	19.81	3.88	8.27	2.59	.69	4.04	.30	.25	.003	217	49	33	1.2	<.01	.94	99.93
010714-202A	54.31	10.93	17.17	2.55	6.08	3.26	.84	3.16	.56	.24	.005	317	34	28	.9	.01	.22	100.04
010714-203B	44.82	11.00	20.80	4.88	9.43	2.07	.59	4.48	.23	.38	.003	102	51	40	1.2	.01	.79	99.91
RE 010714-203B	44.97	11.12	20.65	4.75	9.30	2.10	.60	4.52	.23	.37	.003	105	36	41	1.2	.01	.76	99.83
010714-204A	47.72	13.06	16.34	5.27	9.63	2.61	.44	3.35	.26	.25	.007	157	48	38	.9	.03	.18	99.87
010714-205F	44.67	15.19	11.58	6.28	12.88	2.51	.77	2.80	.35	.15	.026	227	107	40	2.7	.03	.01	99.95
010714-205G	45.20	14.95	11.33	6.90	11.95	2.67	1.13	2.69	.42	.14	.029	278	85	43	2.5	.01	<.01	99.95
010714-205H	44.21	13.56	13.02	7.94	12.11	2.34	.75	3.27	.34	.18	.041	216	108	50	2.2	.04	<.01	100.00
010714-205I	45.49	15.59	11.09	6.19	12.44	2.77	1.12	2.53	.34	.15	.029	343	109	38	2.3	.02	<.01	100.09
010715-001A	72.05	9.79	3.02	1.24	5.00	3.11	1.14	.22	.05	.13	.003	767	36	3	4.2	1.05	.68	100.04
STANDARD SO-16/CSB	57.34	11.04	11.29	5.60	.10	.32	6.00	.88	.26	.09	.009	812	53	11	3.6	2.40	5.41	96.63

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: JUL 23 2001 **DATE REPORT MAILED:** Aug 3/01 **SIGNED BY:** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102490

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
010726-002A	.5	362	<2	122	.1	28	35	1148	8.60	1	<1	<2	1	75	.4	<.5	<.5	286	1.31	.095	8	11	2.27	46	.293	<1	3.53	.038	.02	<1	<1	17.9	2	<.02	16	<2	5	24
010726-002B	.5	409	<2	106	.2	25	33	1085	7.50	1	<1	<2	1	61	.3	<.5	<.5	276	1.33	.101	9	9	2.18	29	.259	<1	3.35	.050	.02	<1	1	17.4	<1	<.02	16	<2	2	24
010726-002B2	.6	230	<2	155	<.1	62	48	1457	9.48	1	<1	<2	1	61	.5	<.5	<.5	328	1.00	.077	8	26	3.60	46	.239	<1	4.53	.030	<.01	<1	<1	28.0	3	<.02	19	<2	3	19
010726-003	.6	207	<2	160	<.1	70	54	1687	10.58	1	<1	<2	1	31	.5	<.5	<.5	369	.69	.077	7	30	4.29	48	.166	<1	4.94	.016	<.01	<1	<1	31.6	1	<.02	19	5	<2	20
010726-003-1	.6	287	<2	120	.1	30	36	1055	7.19	1	<1	<2	1	127	.5	<.5	<.5	271	1.46	.089	8	17	2.13	30	.257	<1	3.36	.028	<.01	<1	<1	16.4	1	<.02	17	<2	<2	18
010726-004A	81.2	4115	32	3386	9.6	19	187	958	24.40	29	<1	<2	1	29	49.5	<.5	1.0	111	.34	.008	2	7	.77	7	.023	2	2.20	.006	<.01	16	<1	2.5	6	3.39	14	75	2	9
010726-004B	172.8	1852	22	1221	3.5	12	96	1500	15.57	16	<1	<2	<1	42	21.9	<.5	<.5	144	.59	.022	2	9	1.20	24	.057	<1	3.06	.005	<.01	6	<1	7.9	<1	1.60	16	17	<2	3
010726-005	1.9	209	<2	58	.2	16	18	468	4.36	<1	<1	<2	<1	125	.4	1.2	<.5	172	5.07	.060	5	14	.92	14	.299	<1	4.14	.013	<.01	1	1	7.8	<1	.04	18	5	<2	11
010726-006	1.2	94	<2	47	.2	23	16	1116	3.34	2	<1	<2	<1	98	.2	.9	<.5	138	15.25	.030	3	15	.78	37	.207	1	4.19	.054	.03	<1	1	13.6	1	<.02	12	<2	<2	7
010726-007F	11.4	117	7	42	.3	32	5	121	3.80	8	<1	<2	2	10	<.2	<.5	<.5	51	.71	.096	10	30	.31	106	.165	<1	.66	.051	.03	2	<1	3.3	<1	1.10	6	<2	3	2
010726-007T	1.4	476	3	29	.3	51	55	183	6.27	2	<1	<2	1	11	<.2	<.5	<.5	171	.92	.087	3	51	.72	46	.424	<1	1.06	.110	.05	1	<1	8.5	<1	1.79	9	<2	4	23
010726-008	.8	525	6	42	.7	76	67	326	5.37	4	<1	<2	<1	12	<.2	<.5	<.5	165	.90	.064	4	51	1.00	23	.475	<1	1.46	.118	.11	2	<1	7.4	1	2.23	12	2	4	22
010726-176	.2	106	<2	3421	.1	67	4	1401	.57	11	4	<2	<1	92	59.3	1.1	<.5	401	30.65	.027	5	29	.06	14	.018	1	.54	.004	<.01	<1	<1	1.9	<1	.19	2	<2	<2	<2
010726-183	5.2	37	5	81	<.1	9	11	734	3.16	2	1	<2	1	76	.2	<.5	<.5	108	1.56	.050	6	18	.96	275	.174	<1	2.05	.217	.09	2	<1	3.9	<1	.14	9	4	<2	4
RE 010726-183	5.1	37	5	84	<.1	8	11	725	3.10	1	<1	<2	2	75	.2	<.5	<.5	105	1.49	.049	6	19	.94	269	.172	<1	2.02	.212	.09	2	1	3.8	<1	.14	9	<2	<2	<2
010726-195	20.3	796	7	63	1.4	89	51	1370	10.65	31	5	<2	1	6	1.3	1.2	<.5	110	11.16	.050	3	31	.06	12	.065	<1	1.85	.006	<.01	3	<1	4.4	4	1.87	5	<2	<2	2
010726-203 skarn	.7	2321	<2	117	2.3	117	72	1398	13.64	20	9	<2	<1	4	1.7	.8	<.5	155	11.41	.010	2	31	.06	6	.076	<1	1.65	.002	<.01	4	<1	4.6	<1	2.86	4	<2	2	10
010726-203 marble	<.2	149	<2	14	.2	9	5	1134	4.85	21	3	<2	<1	274	.2	.9	<.5	3	33.41	.004	2	2	.04	15	.001	<1	.16	.004	<.01	2	<1	.4	1	.28	2	4	3	<2
010726-203-1	.8	2023	<2	87	2.3	197	241	1067	16.61	19	10	<2	<1	2	1.2	.7	.7	153	8.91	.007	2	7	.04	5	.051	2	1.31	.002	<.01	3	<1	2.0	3	3.03	3	<2	4	18
010726-214	<.2	1964	10	58	1.1	403	806	1168	25.58	62	4	<2	<1	2	<.2	<.5	1.2	50	4.17	.024	4	19	.10	8	.047	5	.96	.002	<.01	2	<1	2.5	14	3.42	<1	37	4	33
010726-627	3.7	151	<2	34	.6	28	15	409	3.21	25	11	<2	5	327	1.2	.8	<.5	38	10.19	.328	29	8	.11	64	.089	4	4.42	.037	.06	<1	1	1.3	<1	1.76	8	<2	7	6
010726-627-1	3.3	115	<2	65	.5	18	9	394	1.83	10	2	<2	1	248	.7	2.2	<.5	43	11.32	.026	4	13	.15	141	.132	4	4.92	.038	.04	<1	1	1.6	<1	.86	10	2	<2	6
STANDARD C3/FA-10R	27.2	65	33	177	6.4	37	12	838	3.50	56	25	<2	21	30	27.5	11.2	24.2	84	.62	.091	19	180	.63	157	.099	19	1.93	.044	.19	15	1	4.6	1	.02	10	480	473	484
STANDARD G-2	1.6	9	2	46	<.1	8	4	568	2.08	1	2	<2	4	76	<.2	<.5	<.5	41	.69	.098	8	78	.61	218	.139	<1	1.00	.086	.55	2	<1	2.7	<1	<.02	6	-	-	-

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: JUL 31 2001 **DATE REPORT MAILED:** Aug 20/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

WHOLE ROCK ICP ANALYSIS

Schau, Mikkel File # A102490

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 %
010726-002A	47.20	13.58	17.09	5.25	6.52	2.33	.14	3.13	.26	.29	.003	81	52	34	4.0	.01	.02	99.81
010726-003	45.55	14.23	17.37	8.09	2.86	1.89	.06	2.68	.24	.22	.001	77	76	47	6.7	.03	.05	99.91
010726-003-1	47.93	13.58	16.48	4.80	8.08	1.53	.07	2.96	.24	.25	.001	52	52	34	3.8	.02	<.01	99.74
010726-004A	34.42	7.43	43.47	1.55	3.41	.08	<.02	.20	<.01	.14	.002	47	<20	2	8.7	.01	10.60	99.42
010726-004B	50.30	8.77	29.55	2.20	3.61	.08	.02	.60	.06	.20	.013	164	20	9	4.2	.03	2.65	99.63
010726-006	38.22	9.99	6.30	2.09	24.51	.27	.07	1.03	.08	.15	.002	63	21	19	17.2	3.62	.04	99.92
010726-007F	70.91	7.29	7.58	2.21	4.41	2.75	.99	.59	.23	.06	.005	2101	20	11	2.9	.19	1.26	100.16
010726-007T	47.92	14.27	13.02	4.25	5.77	4.99	.63	2.75	.22	.15	.015	2022	49	41	5.7	.08	2.10	99.93
010726-176	48.18	1.57	1.38	.82	46.36	.09	.03	.06	.08	.16	.006	27	83	3	.7	.35	.21	99.45
010726-183	62.37	15.04	5.54	2.42	4.93	3.55	2.99	.63	.12	.13	.003	1885	<20	15	2.1	.18	.16	100.04
RE 010726-183	62.30	15.06	5.54	2.41	4.94	3.59	2.78	.63	.13	.13	.001	1890	<20	15	2.1	.18	.17	99.83
010726-627-1	44.60	14.31	4.56	3.93	27.16	.24	.51	.87	.08	.13	.009	436	<20	21	3.4	.15	.99	99.85
STANDARD SO-16/CSB	58.12	10.93	11.01	5.52	.14	.34	6.27	.86	.26	.08	.009	847	38	11	3.6	2.41	5.35	97.24

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: JUL 31 2001 **DATE REPORT MAILED:** Aug 20/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102490

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
010726-002A	48.3	.2	24.4	4.7	15.4	2.2	2	332.7	1.0	.8	9.5	.6	527	3	162.7	37.0	14.0	34.3	5.16	25.9	7.4	2.32	7.51	1.14	7.31	1.53	4.41	.51	3.92	.52
010726-003	61.5	.2	23.3	4.5	13.2	1.4	2	194.8	.9	1.1	3.2	.5	487	2	145.0	28.7	10.4	26.6	3.95	20.6	5.6	1.51	5.73	.99	6.02	1.20	3.53	.42	3.20	.48
010726-003-1	46.6	.2	27.5	5.0	14.4	1.0	2	541.9	1.0	1.4	1.6	.3	546	3	157.3	34.9	12.9	32.3	4.80	23.9	7.2	2.10	7.11	1.13	7.19	1.39	4.33	.48	3.40	.51
010726-004A	111.4	.1	23.2	<.5	1.8	<.5	<1	176.0	<.1	.3	1.0	.2	154	40	14.4	2.2	1.7	3.8	.52	2.3	.5	.28	.63	.07	.48	.09	.27	<.05	.31	.03
010726-004B	105.2	<.1	24.3	1.4	4.4	.6	1	192.0	.3	.2	.3	.7	183	31	36.4	6.8	3.0	7.5	1.04	5.5	1.3	.74	1.52	.21	1.51	.26	.80	.10	.70	.09
010726-006	19.2	.6	15.1	1.8	4.8	2.3	<1	264.7	.4	.7	.3	.1	185	3	57.3	14.9	4.9	13.1	1.80	10.0	3.0	.97	3.13	.49	2.78	.62	1.82	.20	1.42	.20
010726-007F	6.9	<.1	11.8	3.7	5.4	12.8	2	84.4	.4	3.4	.3	1.9	85	3	127.0	33.8	14.9	33.8	5.21	25.3	5.8	1.29	5.41	.84	5.62	1.26	4.09	.56	4.19	.55
010726-007T	52.9	.1	21.5	4.6	11.5	11.5	2	226.0	.8	1.4	.1	.2	423	1	143.8	31.4	10.8	26.9	4.17	20.5	6.4	2.01	6.56	.95	6.09	1.28	3.90	.43	3.09	.44
010726-176	5.0	<.1	2.4	.5	1.0	.5	<1	125.2	<.1	.4	<.1	4.5	627	<1	16.3	15.8	5.5	6.4	1.38	6.4	1.4	.35	1.63	.27	1.73	.43	1.33	.15	1.25	.18
010726-183	14.1	.5	15.0	3.4	5.9	60.3	1	611.0	.4	4.4	.3	2.4	115	4	116.5	20.0	14.7	30.7	3.79	16.7	4.1	.86	3.74	.52	3.82	.74	2.40	.32	2.71	.39
RE 010726-183	13.9	.5	14.9	3.3	5.8	58.5	1	595.5	.5	4.8	.2	1.8	110	4	115.8	19.6	14.5	29.3	3.69	16.5	3.6	.85	3.19	.52	3.31	.75	2.46	.31	2.60	.33
010726-627-1	10.0	.7	15.4	2.8	6.5	12.3	1	712.6	.3	1.5	.2	4.7	255	2	89.6	17.3	6.9	13.8	2.22	10.9	2.8	.80	2.71	.43	2.92	.60	2.00	.25	2.12	.28
STANDARD SO-16	408.7	5.8	16.0	6.5	21.7	244.9	4	53.8	1.9	28.1	.8	46.4	113	23	223.0	98.5	59.6	127.6	15.57	65.6	18.1	2.47	16.03	2.50	15.62	3.27	9.82	1.27	9.78	1.29

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: JUL 31 2001 **DATE REPORT MAILED:** Aug 20/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102575

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	Tl ppm	Hg ppm	Au** ppb	Pt** ppb	Pd** ppb
D10804-002	1.1	233	<2	30	.1	38	13	315	2.60	<1	<1	<2	<1	77	<.2	<.5	<.5	111	1.92	.075	8	66	.94	66	.150	<1	2.78	.341	.05	<1	<1	<1	9	4	10
D10804-003	1.1	95	<2	22	<.1	28	12	299	2.39	<1	<1	<2	<1	78	<.2	<.5	<.5	98	2.07	.088	8	39	.69	62	.224	3	2.53	.353	.07	<1	<1	<1	5	11	24
D10804-004	1.9	238	3	161	.9	171	9	1565	3.45	4	<1	<2	<1	22	<.2	<.5	<.5	92	.39	.014	4	41	1.16	116	.090	<1	2.12	.133	.37	3	<1	<1	4	4	3
D10804-005	2.4	163	26	710	.9	88	57	13152	5.88	25	<1	<2	<1	74	2.2	<.5	.7	225	2.81	.777	25	71	1.69	3051	.058	2	5.23	.131	.53	<1	1	<1	5	<2	10
D10804-006	.9	364	<2	37	.1	21	20	321	5.83	<1	<1	<2	<1	22	<.2	<.5	<.5	149	1.31	.174	8	24	.67	39	.247	1	1.48	.096	.06	1	<1	<1	6	2	14
D10804-006B	1.1	446	<2	26	.1	56	47	352	5.58	<1	<1	<2	1	44	<.2	<.5	<.5	153	2.56	.083	8	44	.53	64	.341	7	2.29	.176	.07	1	1	<1	5	7	33
RE D10804-006B	1.0	446	<2	24	.1	57	47	349	5.58	1	<1	<2	1	44	<.2	<.5	<.5	154	2.54	.083	8	45	.52	64	.337	6	2.29	.175	.07	1	3	1	7	11	34
D10804-006V1	3.3	836	<2	14	.5	20	167	127	11.67	1	<1	<2	1	15	<.2	<.5	<.5	80	.57	.071	6	20	.30	34	.272	<1	1.03	.075	.04	149	<1	<1	30	<2	11
D10804-006V11	8.2	790	2	49	1.0	23	68	60	11.28	4	<1	<2	2	7	.3	4.7	<.5	51	.13	.040	3	26	.16	24	.151	<1	.56	.022	.01	665	<1	<1	108	24	269
D10804-008A	1.1	15	<2	46	<.1	11	10	845	2.69	<1	1	<2	8	126	<.2	.7	<.5	64	3.23	.123	23	14	.96	91	.007	7	.64	.039	.17	4	<1	<1	5	3	9
D10804-008V	.8	4	<2	132	<.1	17	23	2581	5.78	3	<1	<2	<1	772	.4	.5	<.5	69	18.55	.006	15	3	5.24	69	<.001	6	.20	<.001	.08	<1	1	<1	11	<2	<2
D10804-009	31.1	4	<2	64	<.1	5	22	1264	4.95	<1	<1	<2	1	18	.2	<.5	<.5	40	.63	.021	3	6	3.08	16	.055	<1	3.13	.015	.02	3	1	<1	<2	<2	<2
D10804-009B	2.7	6	2	10	<.1	2	5	292	1.36	<1	1	<2	<1	16	<.2	<.5	<.5	6	.65	.027	2	14	.47	19	.045	<1	.69	.054	.05	2	<1	<1	2	<2	8
D10804-010A	9.9	172	<2	85	<.1	17	106	1601	25.73	21	<1	<2	1	10	<.2	<.5	.7	94	.61	.027	7	72	3.84	4	.082	2	3.68	<.001	<.01	2	3	<1	2	9	14
D10804-010B	45.2	84	5	86	<.1	18	77	1564	23.85	21	<1	<2	1	11	<.2	<.5	1.2	122	.44	.030	8	93	3.85	7	.101	1	3.64	.001	.02	1	3	<1	3	7	15
STANDARD C3/FA-10R	26.7	67	33	179	6.3	37	12	825	3.34	57	24	3	21	28	26.6	12.8	22.9	84	.61	.090	20	184	.62	158	.094	18	1.87	.035	.16	14	<1	1	488	489	480
STANDARD G-2	1.5	2	2	42	<.1	7	4	573	2.03	<1	3	<2	4	75	<.2	<.5	<.5	43	.69	.099	9	81	.62	218	.137	5	.98	.076	.48	4	<1	<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 ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2001 DATE REPORT MAILED: Aug 20/01 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102575

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
010804-002	55.4	.6	23.5	3.8	14.4	8.3	<1	297.6	1.0	1.0	.4	.4	402	14	144.5	28.7	11.8	30.1	4.18	21.0	5.5	1.94	6.11	.92	6.16	1.19	3.29	.37	2.79	.37
010804-003	44.3	.5	23.6	4.3	15.5	9.1	1	331.0	1.2	1.4	.3	.3	400	8	153.8	30.5	13.0	32.7	4.51	21.5	6.1	2.10	6.48	.96	6.30	1.24	3.44	.40	2.79	.40
010804-006B	59.2	.9	23.4	4.0	14.7	23.0	<1	355.7	1.0	1.1	.2	.8	377	8	145.3	28.6	12.0	31.3	4.43	19.9	6.1	1.64	6.02	.92	5.95	1.16	3.37	.37	2.84	.36
RE 010804-006B	59.2	.7	24.2	4.1	14.8	22.1	<1	363.6	1.0	1.0	.2	.6	377	7	149.2	29.5	12.1	30.4	4.34	20.4	5.9	1.61	5.97	.96	6.10	1.18	3.28	.39	2.65	.37
010804-009	26.5	.1	13.8	3.4	4.4	4.1	<1	175.6	.4	3.5	.1	1.9	60	6	128.8	11.9	11.4	21.6	2.27	8.4	1.9	.48	1.57	.29	1.85	.45	1.51	.21	1.89	.31
010804-009B	6.3	<.1	14.2	3.3	4.5	8.0	<1	145.3	.4	3.4	.1	1.8	22	5	131.8	14.7	13.9	25.6	2.75	9.5	2.3	.64	2.21	.36	2.36	.55	1.87	.26	2.07	.33
STANDARD SO-16	435.5	6.3	16.4	6.9	22.9	249.2	5	53.1	2.0	28.8	.8	42.3	132	22	237.1	96.0	58.9	123.0	15.08	61.4	17.9	2.66	15.62	2.40	15.32	3.31	10.00	1.25	8.97	1.34

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: AUG 8 2001 DATE REPORT MAILED: Aug 20/01 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data L FA ___

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

WHOLE ROCK ICP ANALYSIS

Schau, Mikkel File # A102575

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 %
010804-002	48.06	13.46	13.65	7.70	10.47	2.14	.39	2.32	.18	.15	.037	245	113	35	1.2	.02	.01	99.80
010804-003	47.79	14.18	13.74	6.39	11.13	2.20	.45	2.59	.21	.17	.015	287	74	34	1.0	.04	.04	99.91
010804-006B	46.02	14.72	14.02	5.48	10.24	2.72	1.26	2.41	.19	.16	.008	974	61	31	2.8	.03	1.78	100.14
RE 010804-006B	46.11	14.73	13.82	5.51	10.27	2.71	1.23	2.42	.19	.16	.005	977	67	31	2.9	.03	1.76	100.18
010804-009	65.03	11.97	8.29	5.77	2.59	2.31	.32	.25	.05	.12	<.001	103	41	5	3.3	.17	.19	100.02
010804-009B	72.10	13.58	2.78	.92	2.43	6.03	.67	.27	.05	.04	.001	158	38	4	1.1	.17	.24	99.99
STANDARD SO-16/CSB	57.99	11.12	11.37	5.67	.12	.31	5.69	.88	.26	.07	.004	831	69	11	3.6	2.41	5.35	97.19

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: AUG 8 2001 DATE REPORT MAILED: Aug 20/01 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103538 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	Au** ppb	Pt** ppb	Pd** ppb
SI	<1	1	<3	2	<.3	1	<1	4	.03	<2	<8	<2	<2	3	<.2	<3	<3	<1	.14	<.001	<1	1	<.01	4	<.01	3	.01	.60	.01	<2	<2	<2	<2
B 204401	1	598	301	63	.7	40	31	291	5.62	6	<8	<2	<2	30	.3	<3	<3	137	1.48	.209	7	37	.49	20	.34	<3	1.38	.16	.06	<2	3	<2	16
B 204402	1	557	4	11	<.3	39	14	202	4.17	2	8	<2	<2	45	.2	<3	<3	93	1.56	.147	6	25	.54	31	.42	<3	1.72	.24	.06	<2	3	<2	14
B 204403	13	177	13	224	<.3	14	79	1848	23.58	45	<8	<2	<2	7	1.4	<3	4	168	.15	.034	1	54	4.75	20	.08	<3	4.28	.02	.04	2	31	2	5
B 204404	25	72	<3	319	<.3	17	65	2818	18.04	54	9	<2	<2	3	1.3	<3	4	213	.23	.068	2	36	7.17	12	.07	<3	6.69	.01	.02	4	14	<2	4
B 204405	14	221	8	50	<.3	13	72	610	22.46	116	8	<2	<2	31	.7	<3	<3	52	.47	.010	3	42	1.29	14	.08	<3	1.45	.02	.04	<2	99	<2	4
B 204406	2	176	3	25	.4	23	11	234	1.81	<2	<8	<2	<2	36	<.2	<3	<3	81	1.58	.084	6	28	.66	30	.29	<3	1.48	.18	.18	<2	3	3	18
B 204407	2	27	5	63	<.3	22	26	656	3.64	2	12	<2	2	25	.2	<3	<3	102	1.46	.121	12	33	1.69	31	.18	<3	2.24	.12	.15	<2	<2	4	5
B 204408	2	12	3	18	<.3	6	7	255	1.81	<2	<8	<2	6	32	<.2	<3	<3	40	.88	.059	17	39	.60	46	.13	<3	1.27	.10	.23	<2	<2	<2	<2
RE B 204408	2	11	5	18	<.3	7	7	259	1.85	<2	<8	<2	6	33	<.2	<3	<3	42	.89	.059	18	37	.60	47	.14	<3	1.29	.10	.24	<2	<2	<2	<2
B 204409	1	183	<3	18	<.3	17	12	295	1.52	<2	<8	<2	<2	16	<.2	<3	<3	61	1.21	.117	5	46	1.29	133	.12	<3	1.05	.12	.40	<2	2	12	13
B 204410	2	389	<3	109	.5	54	45	1291	8.23	<2	<8	<2	<2	64	.4	<3	<3	336	1.26	.099	7	25	2.90	33	.33	5	4.08	.03	.03	2	<2	<2	24
B 204411	<1	9	5	49	<.3	44	24	758	3.73	5	<8	<2	<2	110	.2	<3	<3	118	2.10	.172	8	104	2.15	40	.19	<3	2.96	.15	.16	<2	<2	<2	5
B 204412	2	9	3	82	<.3	79	41	1127	7.02	9	<8	<2	2	45	.4	<3	<3	226	1.26	.131	9	100	3.97	37	.26	3	4.61	.05	.07	<2	<2	<2	2
B 204413	1	143	<3	45	<.3	44	22	661	3.56	5	<8	<2	<2	75	.2	<3	<3	117	1.50	.103	6	81	1.99	20	.16	4	3.05	.09	.08	<2	<2	2	3
B 204414	2	188	5	40	<.3	50	22	582	3.65	3	<8	<2	<2	57	.3	<3	<3	171	2.50	.106	6	69	2.11	12	.20	3	2.51	.43	.12	<2	<2	<2	4
STANDARD DS3/FA-10R	9	129	36	160	<.3	35	13	835	3.24	32	<8	<2	4	29	5.8	5	7	82	.55	.097	18	185	.61	145	.09	3	1.81	.04	.17	4	484	474	477

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: P1 ROCK P2 ROCK PULP 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 9 2001 **DATE REPORT MAILED:** Oct 18/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

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

WHOLE ROCK ICP ANALYSIS

Schau, Mikkel File # A103538 Page 2

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 %
B 204401	48.79	12.88	14.59	4.75	9.55	2.29	.38	3.07	.45	.16	<.001	201	48	35	2.6	.06	2.19	99.54
B 204406	48.86	14.08	12.85	6.35	10.55	2.25	1.09	2.21	.16	.18	.012	197	82	37	1.3	.16	.02	99.93
B 204407	47.72	17.23	11.71	5.88	9.01	3.12	.98	.88	.28	.15	<.001	342	36	30	2.8	.04	<.01	99.81
B 204408	68.60	15.44	2.95	1.00	3.15	4.28	1.96	.35	.14	.03	<.001	853	20	4	1.8	.04	<.01	99.80
B 204409	49.70	13.25	10.08	10.20	10.45	2.56	.78	.69	.24	.18	.024	299	56	53	1.7	.06	.01	99.90
B 204414	49.19	16.21	10.04	6.89	8.67	4.12	.71	1.00	.24	.12	.016	249	90	36	2.5	.06	<.01	99.75
RE B 204414	48.63	16.09	9.96	6.80	8.55	4.10	.73	1.00	.23	.12	.017	250	99	36	2.4	.08	<.01	98.67
STANDARD SO-17/CSB	61.69	13.77	5.87	2.38	4.72	4.11	1.43	.64	.97	.51	.438	401	32	23	3.4	2.41	5.32	99.98

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: P1 ROCK P2 ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 2001 **DATE REPORT MAILED:** Oct 18/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103538 Page 2 (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
B 204401	40.0	.2	24.0	6.0	21.4	5.8	2	288.4	1.3	1.8	.5	.9	366	3	213.0	47.2	23.6	51.7	7.10	37.0	9.8	3.13	10.13	1.53	9.33	1.81	4.64	.68	4.12	.56
B 204406	44.5	.8	20.8	3.0	10.0	27.1	2	311.2	.5	1.3	.3	.3	395	<1	110.7	28.3	10.4	23.5	3.23	17.3	4.9	1.75	5.55	.89	5.26	.99	2.64	.41	2.27	.36
B 204407	43.9	.9	18.5	2.4	3.8	22.7	2	454.6	.1	3.2	.1	2.3	267	<1	73.7	20.5	17.8	35.1	4.42	20.9	5.2	1.64	4.63	.73	4.07	.71	2.04	.32	2.05	.26
B 204408	5.8	.9	14.7	3.0	12.5	44.6	6	490.9	1.0	7.7	.5	2.0	42	2	104.9	8.1	28.5	43.0	3.95	14.3	2.0	.70	1.77	.21	1.35	.25	.72	.13	.79	.13
B 204409	41.5	.7	12.6	1.1	1.9	16.0	5	287.1	.1	1.5	.1	.8	293	<1	41.3	17.6	14.2	27.1	3.17	14.7	3.5	1.24	3.87	.57	3.43	.64	1.59	.23	1.64	.21
B 204414	38.6	.6	15.1	1.9	5.6	15.8	14	578.5	.3	1.1	.4	.4	308	<1	57.8	20.2	12.5	25.2	2.90	14.1	3.6	1.32	4.04	.62	3.71	.71	1.90	.29	1.71	.23
RE B 204414	38.5	.6	15.8	1.6	5.4	15.2	15	576.5	.3	1.3	.4	.7	305	<1	56.4	19.7	12.6	24.3	2.91	13.4	3.8	1.26	3.40	.61	3.40	.71	2.01	.28	1.75	.25
STANDARD SO-17	18.7	3.7	19.1	12.3	24.2	24.1	11	311.0	4.1	10.9	.3	12.5	122	11	350.3	26.7	11.6	23.7	2.86	13.7	3.2	1.08	3.87	.64	4.35	.91	2.81	.44	2.76	.44

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: P1 ROCK P2 ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 2001 **DATE REPORT MAILED:** Oct 18/01 **SIGNED BY:** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103538 Page 2 (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	Ag ppm
B 204401	1.4	542	290	65	42	5	.2	1.8	<.5	.5
B 204406	.9	165	2	24	23	1	<.2	<.5	<.5	<.5
B 204407	1.0	21	4	56	21	1	<.2	<.5	<.5	<.5
B 204408	1.1	10	4	17	6	1	<.2	<.5	<.5	<.5
B 204409	.7	165	<2	16	17	<1	<.2	<.5	<.5	<.5
B 204414	.3	167	2	37	48	2	<.2	<.5	<.5	<.5
RE B 204414	.2	161	2	36	49	3	<.2	<.5	<.5	<.5
STANDARD DS3	8.9	127	34	155	37	30	5.5	4.6	5.5	<.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 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: P1 ROCK P2 ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 2001 **DATE REPORT MAILED:** Oct 18/01 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102575R

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
SI	1	3	<3	4	<.3	<1	<1	7	.03	<2	<8	<2	<2	1	<.2	<3	<3	<1	.05	<.001	<1	4	.01	2	<.01	<3	.01	.24	<.01	<2	2	<2	2
010804-006V11	7	773	4	3	.7	27	81	52	10.07	<2	<8	<2	<2	6	<.2	<3	<3	54	.11	.044	1	57	.16	20	.14	3	.57	.03	.03	732	103	16	231

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 REJ. AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES (30 gm)

DATE RECEIVED: OCT 11 2001 DATE REPORT MAILED: Oct 23/01 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103803 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	Au** ppb	Pt** ppb	Pd** ppb
SI	<1	1	<3	1	<.3	1	<1	5	.04	<2	<8	<2	<2	2	<.2	<3	<3	<1	.08	<.001	<1	2	<.01	2	<.01	<3	.01	.39	<.01	<2	<2	<2	<2
B 204415	1	191	<3	209	.4	27	36	3850	13.66	20	<8	<2	<2	1	2.1	<3	<3	484	.32	.099	6	13	3.16	9	.15	<3	5.84	.01	.01	<2	6	5	20
B 204416	3	454	<3	192	.8	55	57	3708	14.89	33	<8	<2	<2	2	1.9	<3	<3	475	.34	.101	8	43	2.97	40	.16	<3	5.63	.01	.01	2	7	4	24
B 204417	141	1956	55	479	4.3	24	183	1097	23.25	76	<8	<2	<2	26	6.1	<3	<3	100	.33	.011	2	6	.85	15	.02	<3	2.26	.01	.02	6	407	<2	<2
B 204418	101	3801	62	5566	9.5	32	221	1044	25.45	59	<8	<2	<2	18	62.3	<3	<3	108	.21	.005	2	3	.79	9	.02	<3	2.04	.01	.02	9	82	<2	<2
B 204419	2	80	4	39	<.3	22	14	357	2.47	<2	<8	<2	<2	61	<.2	<3	<3	116	1.85	.068	3	20	.82	42	.15	4	2.04	.34	.10	2	6	<2	14
B 204420	<1	818	4	113	.3	74	43	1226	7.03	<2	<8	<2	<2	28	1.4	<3	<3	272	1.24	.072	4	118	3.18	6	.49	<3	3.53	.03	.02	2	5	4	32
RE B 204420	<1	831	3	113	.3	77	44	1249	7.18	<2	<8	<2	<2	28	1.3	<3	<3	275	1.26	.071	3	118	3.25	6	.49	<3	3.60	.03	.02	2	6	5	32
B 204421	3	402	<3	48	.4	26	15	455	2.91	<2	<8	<2	<2	7	.2	<3	<3	112	.34	.030	1	52	1.16	5	.24	<3	1.15	.03	.01	2	5	<2	13
B 204422	5	45134	<3	119	23.9	43	18	636	7.78	12	<8	<2	<2	5	2.1	<3	<3	211	.27	.014	1	48	1.77	2	.18	<3	1.72	.03	.01	<2	107	10	118
B 204423	3	29462	<3	144	14.5	50	27	813	7.21	4	<8	<2	<2	13	1.7	<3	<3	239	.44	.028	2	54	2.16	8	.30	<3	2.30	.03	.03	<2	74	4	49
B 204424	1	313	<3	37	.3	30	18	343	3.73	<2	<8	<2	<2	66	.2	<3	<3	185	1.83	.092	5	23	1.07	11	.19	<3	2.37	.35	.05	3	4	<2	8
B 204425	<1	129	<3	58	<.3	496	64	1089	7.34	17	<8	<2	<2	32	1.1	<3	4	154	3.55	.019	1	1163	9.36	3	.21	16	6.75	.01	<.01	3	5	10	9
B 204426	2	73	<3	28	<.3	301	38	614	3.36	3	<8	<2	<2	27	<.2	<3	<3	59	2.66	.016	1	551	4.97	3	.10	11	2.58	.02	<.01	<2	6	8	8
B 204427	1	124	<3	40	<.3	559	60	860	5.32	8	<8	<2	<2	67	.8	<3	<3	114	4.45	.019	1	1158	5.76	8	.15	7	6.22	.38	.04	2	<2	4	8
B 204428	2	158	5	24	<.3	30	13	259	3.05	2	<8	<2	<2	72	<.2	<3	<3	143	1.43	.061	3	43	.81	7	.16	4	1.54	.24	.04	<2	4	7	11
STANDARD DS3/FA-10R	11	128	33	160	<.3	35	12	822	3.23	30	9	<2	4	27	5.9	5	6	80	.55	.097	18	185	.61	147	.09	3	1.78	.04	.17	4	485	482	474

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: P1 ROCK P2 ROCK PULP 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 26 2001 **DATE REPORT MAILED:** Nov 7/01 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data N/A

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

WHOLE ROCK ICP ANALYSIS

Schau, Mikkel File # A103803 Page 2

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 %
B 204419	49.52	14.45	12.74	6.45	10.03	3.07	.29	1.84	.17	.19	.007	160	82	40	.9	.03	.01	99.69
B 204424	46.70	15.56	13.68	5.91	9.74	2.85	.08	2.46	.21	.18	.006	66	80	39	2.3	.04	<.01	99.70
B 204426	43.69	6.88	10.23	18.03	13.26	.24	.03	.44	.08	.30	.151	21	343	39	6.6	.47	.23	99.98
B 204427	42.53	14.94	9.67	12.88	9.86	.97	.18	.52	.08	.14	.179	30	501	46	7.8	.59	.09	99.83
B 204428	49.42	14.66	12.09	6.66	9.79	3.26	.08	1.78	.19	.17	.024	56	82	38	1.5	.03	<.01	99.64
RE B 204428	49.48	14.74	11.96	6.66	9.83	3.29	.04	1.77	.12	.17	.022	58	92	38	1.6	.03	<.01	99.71
STANDARD SO-17/CSB	61.09	14.10	5.93	2.37	4.74	4.10	1.43	.63	.95	.54	.447	407	35	24	3.4	2.40	5.30	99.78

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: P1 ROCK P2 ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 2001 DATE REPORT MAILED: Nov 7/01 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103803 Page 2 (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
B 204419	43.4	.5	21.3	3.0	7.4	9.5	<1	278.1	.3	1.0	<.1	.2	403	1	93.2	27.9	8.4	18.9	2.56	14.9	3.9	1.32	4.89	.78	4.98	.94	2.72	.35	2.59	.27
B 204424	42.9	1.0	22.0	4.0	11.7	5.5	<1	365.1	.5	1.0	.1	.1	402	<1	127.4	33.9	10.5	24.3	3.45	19.6	5.2	1.66	6.38	.89	5.73	1.02	3.01	.46	3.18	.38
B 204426	50.7	.3	8.8	.6	.8	1.2	<1	58.6	<.1	<.1	<.1	<.1	216	<1	21.4	15.9	2.4	5.8	.54	3.6	.9	.46	1.67	.33	2.40	.56	1.67	.29	1.88	.23
B 204427	63.4	.8	13.3	.9	.9	5.1	<1	129.1	<.1	.1	.1	<.1	239	<1	25.4	17.6	1.5	5.4	.53	3.5	1.0	.44	1.72	.33	2.38	.58	1.85	.26	2.01	.30
B 204428	41.9	.2	18.5	2.4	8.0	3.6	<1	446.3	.4	.8	.1	<.1	326	<1	80.3	22.9	7.1	17.0	2.22	13.0	3.4	1.28	4.65	.69	4.11	.78	2.43	.34	2.11	.25
RE B 204428	42.4	.2	18.1	2.4	8.0	4.4	<1	469.6	.3	.5	.1	<.1	331	<1	83.7	24.2	7.3	17.4	2.36	13.6	3.7	1.19	4.76	.69	4.24	.84	2.31	.36	2.22	.27
STANDARD SO-17	18.7	3.5	19.9	11.9	24.6	21.4	8	301.0	4.6	12.1	.6	12.6	125	10	351.2	26.5	11.4	22.9	2.95	13.1	2.9	1.04	3.94	.63	3.99	.86	2.66	.38	2.87	.38

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: P1 ROCK P2 ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 2001 **DATE REPORT MAILED:** Nov 7/01 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A103803 Page 2 (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	Ag ppm
B 204419	1.3	77	2	34	19	1	<.2	<.5	<.5	<.5
B 204424	.9	304	<2	48	27	1	<.2	<.5	<.5	<.5
B 204426	.6	68	<2	30	281	2	<.2	<.5	<.5	<.5
B 204427	.3	108	<2	42	460	1	<.2	<.5	<.5	<.5
B 204428	.9	155	2	26	28	<1	<.2	<.5	<.5	<.5
RE B 204428	.9	153	<2	27	27	<1	<.2	<.5	<.5	<.5
STANDARD DS3	10.6	131	35	155	36	32	5.8	5.4	5.9	<.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 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: P1 ROCK P2 ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 2001 **DATE REPORT MAILED:** Nov 7/01 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

Quality Analysis... Actlabs Innovative Technologies

Invoice No.: 22458
Work Order: 22687
Invoice Date: 15-AUG-01
Date Submitted: 19-JUL-01
Your Reference: LETTER
Account Number: 3162

DR. MIKKEL SCHAU
1007 BARKWAY TERRACE
BRENTWOOD BAY, BC
V8M 1A4

CERTIFICATE OF ANALYSIS

12 VEGETATION ASH were submitted for analysis.

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

REPORT 22458 RPT.XLS CODE 2E-AQUA REGIA DIGESTION ICP/MS

If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report.
Our liability is limited solely to the analytical cost of these analyses.
Test results are representative only of material submitted for analysis.

CERTIFIED BY :

DR E.HOFFMAN/GENERAL MANAGER

ACTIVATION LABORATORIES LTD.
1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabs.com ACTLABS GROUP WEBSITE http://www.actlabs.com

Actlabs Pkg 2E Job #: 22687 **Report#: 22458** **Client: Michael Schau**

Trace Element Values Are in Parts Per Million unless otherwise indicated Negative Values Equal Not Detected at That Lower Limit.

Values = 999999 are greater than working range of instrument

Sample ID:	Li	Be	B	Na%	Mg%	Al	Si %	K%	Ca%	Sc	Ti	V	Cr	Mn	Fe%	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Y	Zr
Control Material V7A	5.9	0.580	243	0.16	4.07	5,950	0.5	999999	23.6	2.1	397	-10	14	11,000	1.58	56.3	1,730	430	2,020	2.1	0.2	12	43	462	2,040	5.89	1.0
MS1-1	2.7	0.201	176	0.87	1.05	40,500	-0.2	2.06	21.8	2.9	588	25	14	5,720	1.18	7.65	27	482	757	3.1	0.1	19	56	27.6	929	4.93	0.5
MS1-1 Rep	2.8	0.191	186	0.86	1.02	40,200	-0.2	2.02	20.6	3.0	594	26	14	5,540	1.22	7.65	28	484	754	3.1	0.1	18	53	27.3	918	4.99	0.6
MS1-2	4.9	0.485	247	0.10	3.88	4,810	0.3	999999	21.2	1.4	261	-10	22	10,600	1.02	45.5	1,360	374	1,600	1.7	0.2	15	56	410	1,780	4.69	0.6
MS1-3	3.2	0.182	166	0.66	1.02	48,300	0.2	2.11	19.9	2.9	581	24	21	4,610	1.20	7.09	29	462	821	2.9	0.1	17	52	30.4	982	3.76	0.7
MS1-4	3.9	0.243	158	0.70	1.30	60,500	0.2	2.30	19.1	4.1	772	33	30	7,830	1.40	8.65	39	496	723	4.2	0.2	22	58	26.5	1,080	8.02	0.9
MS1-5	2.5	0.143	171	0.74	0.95	32,100	-0.2	3.00	21.9	2.6	517	25	16	4,140	1.25	7.08	23	373	494	2.7	0.1	17	53	32.6	959	5.48	0.5
MS1-6	4.5	0.241	159	0.87	1.02	42,200	0.3	2.60	16.3	4.6	1,070	34	23	4,880	1.60	9.27	32	381	902	4.3	0.1	16	37	31.2	702	6.41	0.6
MS1-7	5.0	0.268	147	0.72	1.07	38,000	0.3	1.91	16.0	5.0	1,290	46	24	5,740	1.98	10.5	42	294	466	5.6	0.1	18	34	23.0	712	6.14	1.1
MS1-8	1.7	0.098	158	0.27	1.04	44,200	-0.2	1.61	26.4	1.9	550	17	11	5,150	0.81	5.47	20	473	1,130	2.5	0.1	17	55	15.7	1,040	3.20	0.6
MS1-9	2.4	0.149	171	0.34	1.35	74,200	-0.2	2.54	18.7	2.6	711	22	13	4,710	1.03	6.60	27	505	1,060	3.4	0.1	17	41	23.6	923	3.78	-0.5
MS1-10	4.8	0.502	226	0.10	3.97	5,430	0.3	999999	22.6	1.5	287	-10	27	11,800	1.95	50.1	1,540	431	1,760	2.1	0.3	15	54	452	1,870	4.74	0.6
MS1-11	1.9	0.121	169	0.37	1.70	33,600	-0.2	1.79	26.0	2.0	522	21	17	8,100	0.87	5.95	23	463	1,620	2.8	0.1	21	62	15.6	2,500	2.26	-0.5
MS1-12	1.7	0.226	124	0.24	0.88	52,500	-0.2	1.33	22.3	2.3	564	41	21	10,200	1.23	9.54	65	359	1,410	4.4	0.2	39	59	18.9	717	4.25	0.5
Control Material V7A	5.5	0.599	232	0.17	4.09	6,530	0.6	9.04	22.8	2.0	396	-10	18	11,800	1.77	54.4	1,730	461	2,240	2.3	0.2	10	36	480	1,980	5.30	0.9
Target Values V7A	**4.6**	**0.524**	**198**	**0.10**	**4.07**	**5,125**	**-0.2**	**8.41**	**21.2**	**2.3**	**362**	**8**	**11**	**10,077**	**1.46**	**48.8**	**1,451**	**394**	**1,709**	**2.7**	**0.1**	**12**	**40**	**421**	**1,735**	**4.86**	**0.49**
+/-	**2.0**	**0.161**	**93**	**0.02**	**0.95**	**1,170**		**4.16**	**4.4**	**1.7**	**69**	**3**	**5**	**1,799**	**0.32**	**5.67**	**201**	**68**	**368**	**1.2**	**0.1**	**5**	**14**	**74**	**304**	**0.38**	**0.44**

Certified By:

D. D'Anna, Dipl. T.
ICPMS Technical Manager, Activation Laboratories Ltd.

Date Received: 19-July-2001

Date Reported: 15-Aug-2001

Actlabs Pkg 2E Job #: 22687
Trace Element Values Are in Parts Per
Values = 999999 are greater than workin

Sample ID:	Nb	Mo	Pd ppb	Ag	Cd	In ppb	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Control Material V7A	0.650	1.6	106	1.7	1.57	12	-1	0.25	1.35	1.32	612	26.8	30.7	2.46	7.43	1.07	0.322	1.48	0.165	0.756	0.138	0.379	0.042	0.279	0.046
MS1-1	0.253	1.2	8	1.2	7.34	52	2	2.30	0.80	0.916	129	4.16	7.63	0.864	3.35	0.684	0.211	0.76	0.114	0.628	0.125	0.354	0.044	0.282	0.040
MS1-1 Rep	0.242	1.3	3	0.8	7.97	58	2	2.39	0.77	1.00	131	4.44	8.20	0.921	3.53	0.727	0.218	0.82	0.123	0.656	0.128	0.374	0.047	0.307	0.042
MS1-2	0.314	1.3	79	2.3	1.61	12	-1	0.18	1.62	1.22	414	24.3	27.3	2.20	6.53	0.900	0.253	1.27	0.138	0.601	0.110	0.305	0.034	0.222	0.037
MS1-3	0.250	1.2	6	0.8	6.45	54	2	1.72	1.11	1.24	163	4.41	8.01	0.879	3.35	0.666	0.212	0.73	0.105	0.549	0.108	0.306	0.041	0.259	0.037
MS1-4	0.299	1.8	9	1.0	6.93	77	4	4.34	1.12	1.36	158	8.18	10.8	1.37	5.16	0.952	0.288	1.15	0.168	0.918	0.185	0.523	0.063	0.404	0.056
MS1-5	0.251	1.0	16	1.5	7.02	47	2	1.94	0.80	0.784	214	5.49	8.29	0.978	3.86	0.722	0.240	0.90	0.126	0.692	0.137	0.389	0.046	0.291	0.042
MS1-6	0.345	1.5	11	0.6	5.90	55	3	2.00	0.74	1.55	148	7.14	11.0	1.30	4.94	0.959	0.310	1.13	0.156	0.860	0.171	0.484	0.061	0.370	0.052
MS1-7	0.424	1.9	18	0.6	5.43	85	5	3.89	0.64	1.61	164	7.80	14.6	1.73	6.56	1.35	0.413	1.49	0.207	1.09	0.206	0.594	0.076	0.503	0.068
MS1-8	0.417	1.2	10	0.6	8.39	29	2	3.22	0.76	0.750	96	2.72	5.39	0.667	2.55	0.508	0.160	0.60	0.085	0.452	0.089	0.255	0.031	0.196	0.028
MS1-9	0.375	1.3	6	0.3	6.10	41	3	3.69	0.75	0.865	99	3.29	6.96	0.884	3.41	0.682	0.215	0.77	0.105	0.569	0.117	0.330	0.042	0.268	0.036
MS1-10	0.389	1.5	95	2.3	1.69	13	-1	0.25	1.78	1.43	1,820	23.0	29.6	2.59	7.69	1.12	0.561	1.52	0.159	0.713	0.125	0.352	0.042	0.315	0.063
MS1-11	0.376	1.3	6	0.7	4.23	36	2	3.22	1.93	1.19	126	3.08	6.06	0.747	2.82	0.539	0.170	0.60	0.081	0.414	0.081	0.238	0.030	0.203	0.031
MS1-12	0.495	1.5	11	0.7	8.24	213	6	11.4	0.86	0.994	75	4.31	9.78	1.28	5.11	1.02	0.281	1.13	0.155	0.806	0.151	0.441	0.054	0.363	0.051
Control Material V7A	0.592	1.6	122	1.9	1.55	14	-1	0.26	1.23	1.57	819	25.9	33.6	3.06	7.30	1.07	0.329	1.47	0.153	0.686	0.123	0.339	0.039	0.247	0.039
Target Values V7A	**0.60**	**1.5**	**82**	**1.8**	**1.5**	**15**	**-1**	**0.24**	**1.26**	**1.39**	**423**	**25.8**	**30.3**	**2.64**	**7.98**	**1.20**	**0.295**	**1.48**	**0.161**	**0.712**	**0.127**	**0.349**	**0.039**	**0.228**	**0.033**
+/-	**0.07**	**0.1**	**15**	**0.1**	**0.2**	**2**		**0.04**	**0.46**	**0.111**	**467**	**3.8**	**6.9**	**0.19**	**0.54**	**0.10**	**0.051**	**0.20**	**0.014**	**0.052**	**0.010**	**0.028**	**0.003**	**0.020**	**0.004**

Actlabs Pkg 2E Job #: 22687
Trace Element Values Are in Parts Per
Values = 999999 are greater than workin

Sample ID:	Hf	Ta	W	Re ppb	Pt ppb	Au ppb	Tl	Pb	Bi	Th	U
Control Material V7A	0.03	0.021	0.7	8.2	53	13	0.054	25.0	0.14	0.536	0.388
MS1-1	0.02	0.005	0.7	0.5	6	2	0.718	193	0.34	0.269	0.226
MS1-1 Rep	0.02	0.008	0.7	0.6	6	3	0.704	218	0.38	0.278	0.241
MS1-2	0.02	0.011	0.6	5.8	47	38	0.227	15.3	0.13	0.467	0.310
MS1-3	0.02	0.009	0.7	1.1	6	4	1.13	232	0.35	0.281	0.231
MS1-4	0.03	0.012	0.8	1.5	6	7	1.25	351	0.59	0.370	0.383
MS1-5	0.02	0.006	0.7	0.5	5	3	0.697	180	0.31	0.225	0.196
MS1-6	0.02	0.011	0.8	2.5	8	4	0.685	213	0.37	0.473	0.312
MS1-7	0.04	0.012	0.9	2.0	6	4	0.549	292	0.60	0.577	0.436
MS1-8	0.01	0.005	0.7	0.5	5	21	0.585	146	0.29	0.183	0.164
MS1-9	0.01	0.007	0.8	0.7	7	4	0.583	210	0.36	0.265	0.245
MS1-10	0.02	0.011	0.6	6.4	20	19	0.237	16.5	0.12	0.544	0.350
MS1-11	0.02	0.005	0.8	0.5	4	3	0.558	209	0.37	0.282	0.341
MS1-12	0.02	0.005	1.0	0.9	6	7	0.478	262	1.55	0.224	0.360
Control Material V7A	0.02	0.018	0.7	8.0	53	16	0.056	25.5	0.13	0.591	0.428
Target Values V7A	**-0.01**	**0.007**	**-0.5**	**7.8**	**40**	**11**	**0.023**	**22.9**	**0.18**	**0.522**	**0.394**
+/-		**0.006**		**0.9**	**16**	**8**	**0.009**	**2.1**	**0.14**	**0.048**	**0.031**

Prospector's Report

on the

PIE Group of claims

in the

Nanaimo Mining Division

in

092B/13W

at

48 55 30N and 123 53 00W

for

Mikkel Schau, Owner and Prospector

September 3, 2001

Mikkel Schau

TABLE OF CONTENT

1.0 Introduction:

This report is about the initial prospecting for precious metals on the PIE Claims (Minfile 092B112 - "ORN3") and has been prepared by the owner of the claims for himself.

Prospecting for precious metals was conducted during four day trips, separated by intervals to allow for the assesment of assay values resulting from the previous set of samples. The work consisted of prospecting along and sampling interesting road outcrops as well as trips into the forest to vainly search for outcrop.

The work was carried out by Mikkel Schau, prospector, and helpers.

2.0 Property Location, Access and Title

The PIE group of claims (PIE1-4) are located on the north slope, and near the top of, Mount Hall, about 22 km. northwest of Duncan and west of Ladysmith, on Vancouver Island B.C. (Fig 1.,2). They are located in the South Vancouver Island Ranges, at about 1200 m. in partially logged douglas fir forest. The property is in the Nanaimo Mining Division, on NTS 0922B/13W and is centered at approximately 48 55 30N and 123 53 00W (Fig. 2).

Access to the claims is via a logging main and its subsidiaries, some of which are deactivated. Two and four wheel drive vehicles can approach the branch roads, but final access is limited to walking. The main logging road leaves Highway 1 about a km north of Ladysmith, and proceeds westward, and southward, and at about 12 km along the Holland Creek road intersects Branch 4 road (unlabeled) which proceeds up the mountain, and which along with subsidiaries give access to the PIE claims. The center claim post of the four claims is located just north of a Y junction in the subsidiary roads (fig 2.).

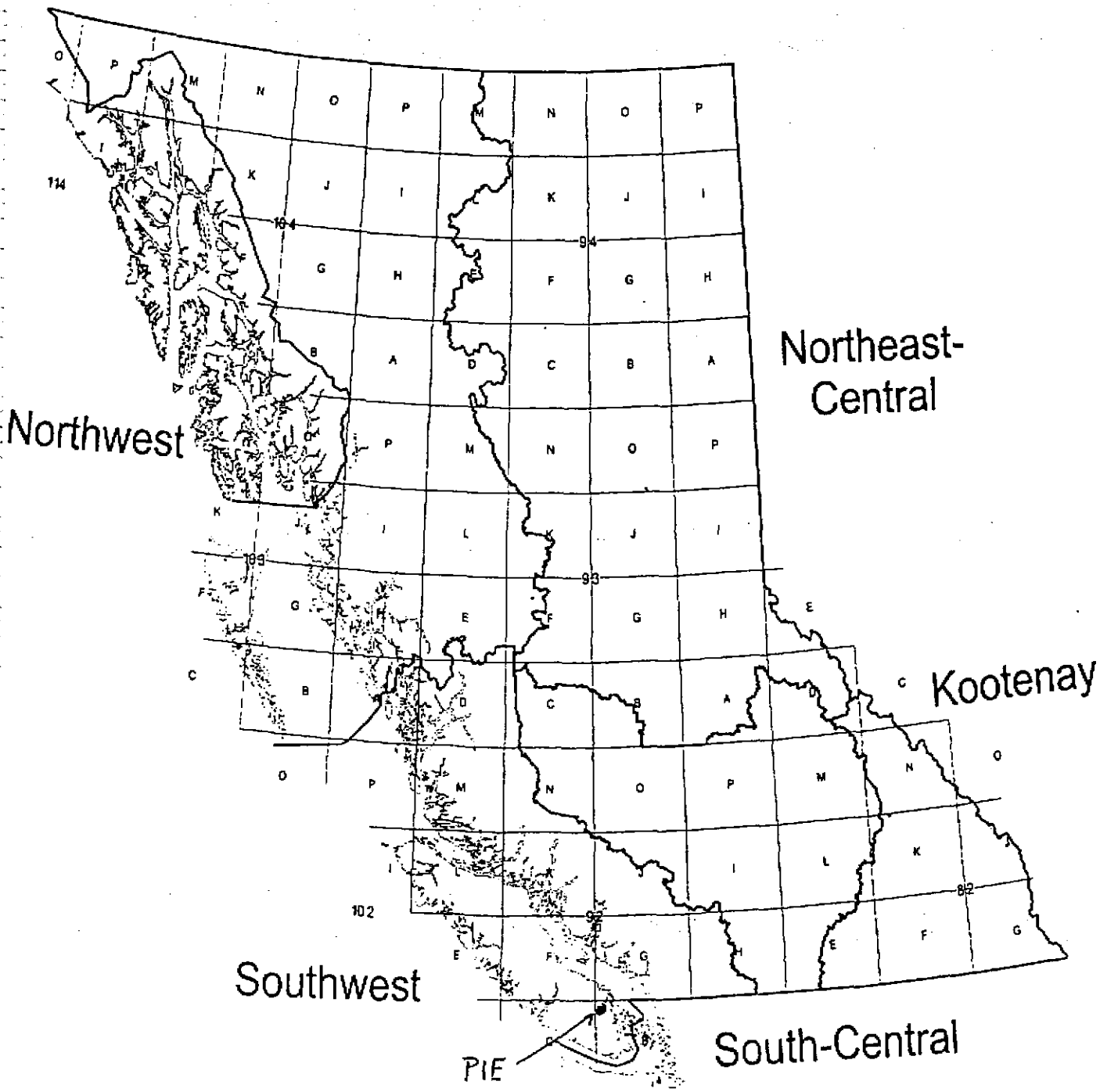
The showing is known as the Orn3 showing, catalogued as 092B-112 in Minfile (last updated June 11, 2001) and noted as a Pd showing although it is classified as a M02, Tholeiitic intrusion hosted Ni-Cu deposit. It is in the Insular belt and forms part of the Wrangell Terrane.

The PIE group of claims comprise 4 claims totaling 4 units as shown below:

Name	Record	Units	Anniversary Date		year recorded
PIE1	380061	1	Sept 3	2006	2000
PIE2	380062	1	Sept 3	2006	2000
PIE3	380063	1	Sept 3	2006	2000
PIE4	380064	1	Sept 3	2006	2000

All claims, which are focused on precious metals, are owned by Mikkel Schau. The notice to group the four claims into PIE Group is filed on September 3, 2001. The anniversary date has been updated based on filing of the work in this report.

Figure 1. Location of PIE claims, BC



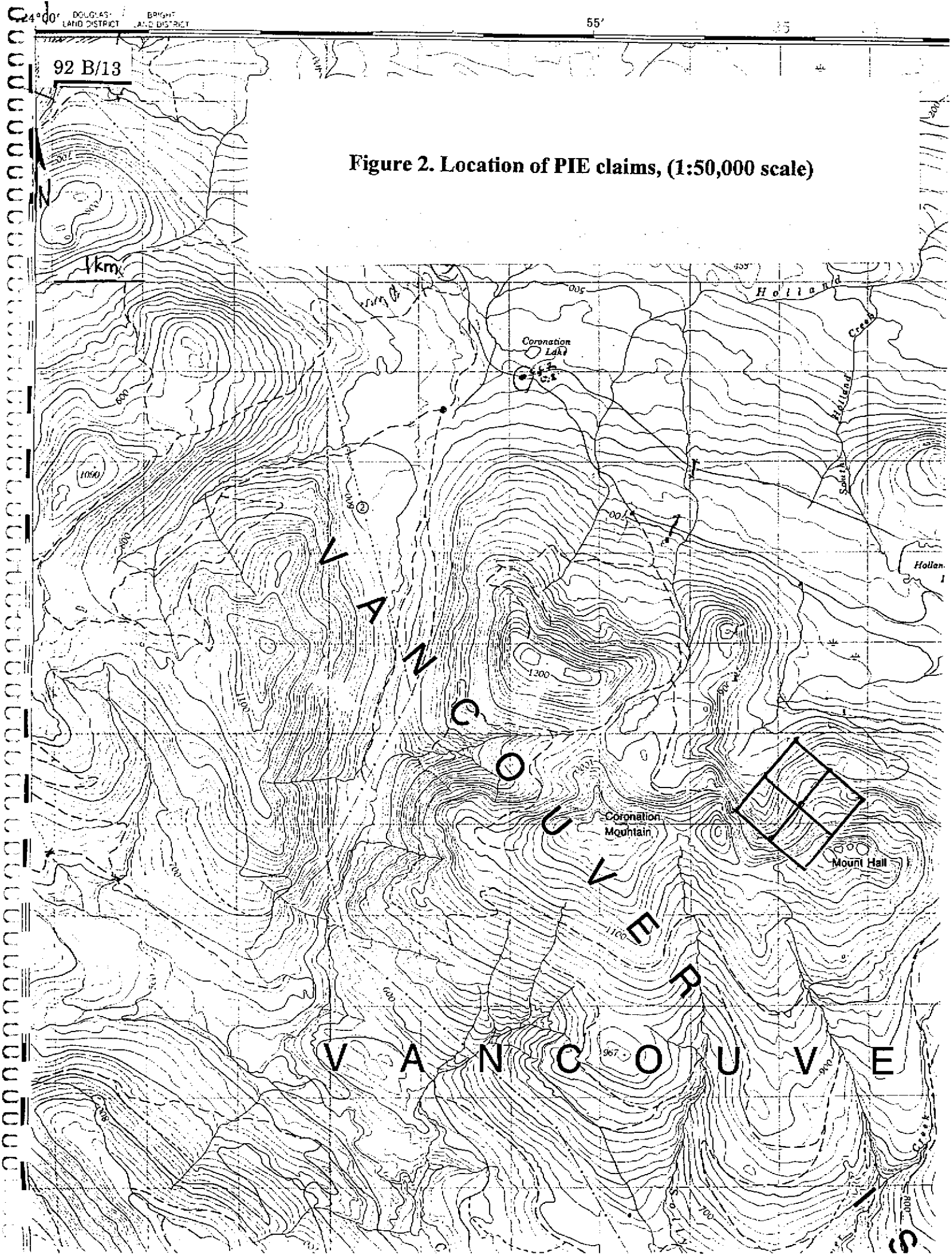


Figure 2. Location of PIE claims, (1:50,000 scale)

3.0 Previous Work

The general area has had a long history of mineral production and previous mapping. The most comprehensive early map was by Clapp and Cooke (1917). More recently, the area including the property has been covered by government sponsored regional mapping programs conducted by J.E. Muller (1985) and N.W. Massey(1995) (Fig. 3).

The area specifically underlain by the claims are a small portion of a larger holding first held by Avondale Resources. MPH Consulting Ltd performed work on this larger holding (Orn 1-4) in 1987 and 1988 (Assessment reports 16289 and 17351) and reported that, (for the area that the PIE Claims cover)

..mafic intrusions with anomalous gold, copper and platinum group metals; and

mineralized quartz veins and shear zones...

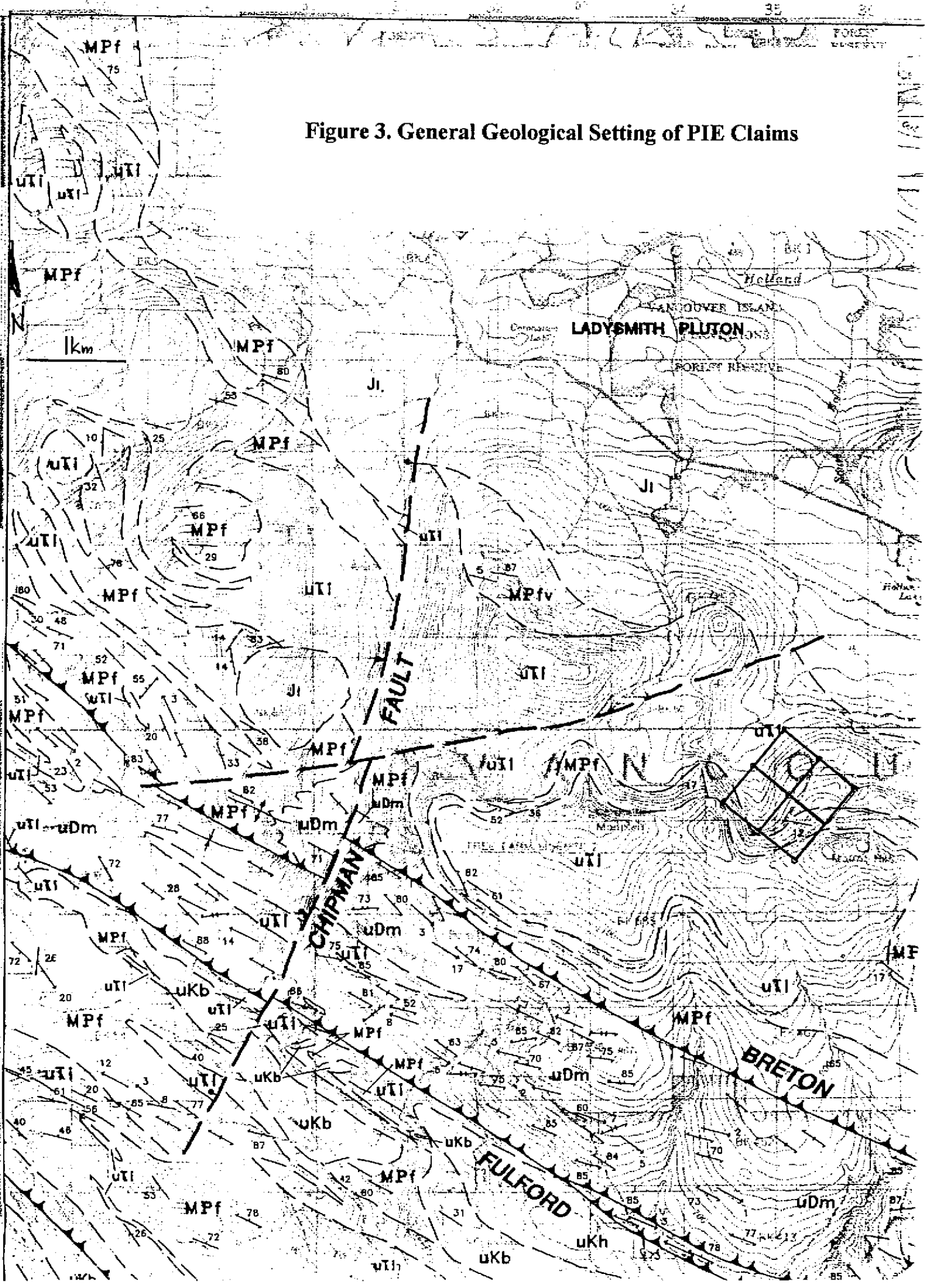
were worthy of a follow-up investigation. This never materialized. The claims reverted to the Crown in 1993.

The showing was subsequently catalogued as 092B 112 Orn3, in Minfile as a Pd showing and classified as a M02, Tholeiitic intrusion hosted Ni-Cu deposit. It is in the Insular belt and forms part of the Wrangell Terrane.

In 2000 the showing was visited by the current owner looking for precious metals, and based on results of additional sampling was found to be interesting and was staked. The current owner is Mikkel Schau, prospector, who is himself conducting grass roots exploration looking at the possibility of enlarging the showing to become a viable prospect.

The property shows thin, steep, gold bearing quartz sulphide veins cutting across 30 metre thick magnetite rich horizon near the top of a gabbro chamber. The magnetite layer shows locally disseminated sulphides, with local patches and wall paper thin veinlets of pyrrhotite, that carry copper and palladium in minor but anomalous quantities. The magnetite itself is typically enriched in titanium and vanadium. Currently the showing is local, but if any of the elements, currently found in anomalous quantities, can be found in any substantial quantity and/or grade it is possible that the showing could be converted into a prospect.

Figure 3. General Geological Setting of PIE Claims



4.0 Summary of work done:

Prospecting; the area prospected is the PIE Group, of four claims (100 ha).

Number of samples assayed:

51 rocks by multi-element icp-es and fire assay/icp-es finish for Au, Pt, and Pd.

Prospecting and sampling was done on the PIE Group which includes PIE 1, PIE2, PIE3, and PIE4.

5.0 Detailed technical data and interpretation

5.1 Purpose

To reproduce the precious metal values found by earlier investigators and to extend the showing laterally.

5.2 Results

Previous work established that anomalous values in precious metals are present, although the showing is scarcely a copper-nickel showing as it is currently classified.

Data collected previously to work done for this report is given first to provide a context for the sampling program.

Previous values noted in AR 17351 included:

Quartz veins:

gold:	Up to 120 ppb
silver:	Up to 6 ppm
copper:	10338 ppm
palladium:	N/A

magnetite layer and wallpaper pyrrhotite veins:

gold:	Up to 90 ppb
palladium:	up to 180 ppb
silver:	Up to 2.2 ppm
copper:	up to 1145 ppm
vanadium(sol)	up to 250 ppm

Values found by Schau in 2000 prior to staking:

veins:

gold:	up to 260 ppb
palladium:	up to 14 ppb
silver:	up to 7.2 ppm
copper:	up to 7677 ppm

magnetite layer:

gold:	up to 30 ppb
palladium:	up to 56 ppb
silver:	up to .2 ppm
copper:	up to 548 ppm
vanadium(sol)	Up to 311 ppm

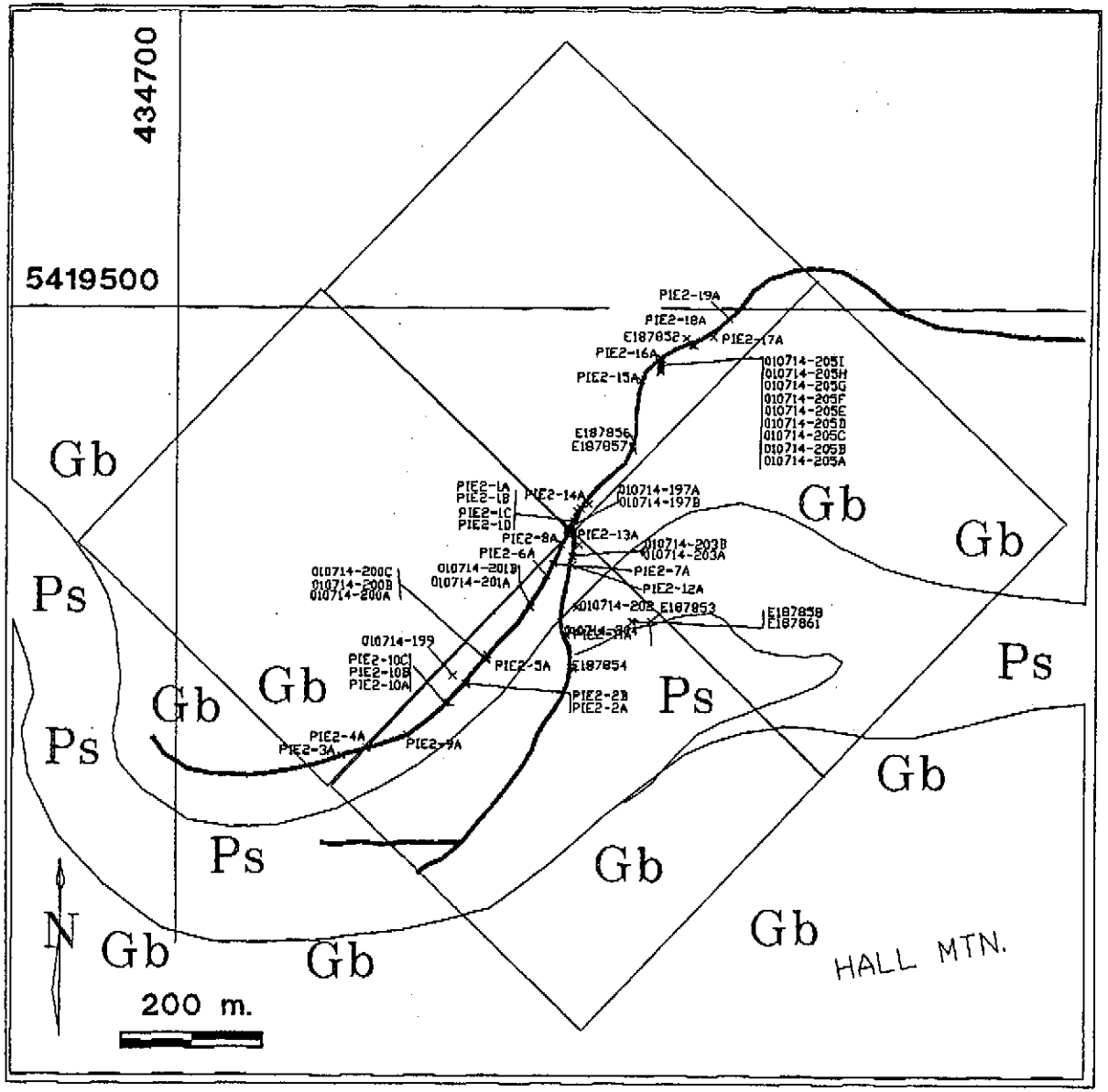
5.2.1/ Current

Collecting along deactivated logging roads made acquisition of samples fairly easy; prospecting in the woods, by contrast, is plagued by lack of outcrop. Samples of gabbro and vein material as well as some country rock (to provide background values) were collected, and later selected and shipped to ACME Labs for analyses. This lab has a good reputation for providing quality Pd, Pt and Au assays, and was selected for this reason. On-going monitoring of accuracy and precision is not finalized and will be reported elsewhere.

51 samples were submitted for analyses in three separate batches to ACME Labs using their Geo4 package. The methods used by Schau in 2000, prior to staking, are similar. Hence that data is directly comparable. The data from 1988 is from other laboratories (Chemex and Rossbacher) using different methods. They are not directly comparable.

Details of procedures used by ACME ANALYTICAL LABORATORIES (their Geo4 package) are summarized on their assay sheets. Data reported here are analysis of .5 gm samples leached by aqua regia and analysed by ICP-ES. This method reports values of soluble elements (mainly those in sulphide minerals) but only a few easily dissolved silicates and few if any in the hard to dissolve oxides. Therefore values for copper, nickel, titanium and vanadium are minimum values. The data also includes the results of a special method developed to extract small amounts of precious metals Pd, Pt, and Au. (30 gms of sample are treated and the elements are concentrated by fire assay and analyzed by ICP-ES.)

Locations of assayed samples, and values for gold, palladium and copper are shown on following maps (Figs. 4,5,6, and 7)



PIE GROUP
Nanaimo M.D.

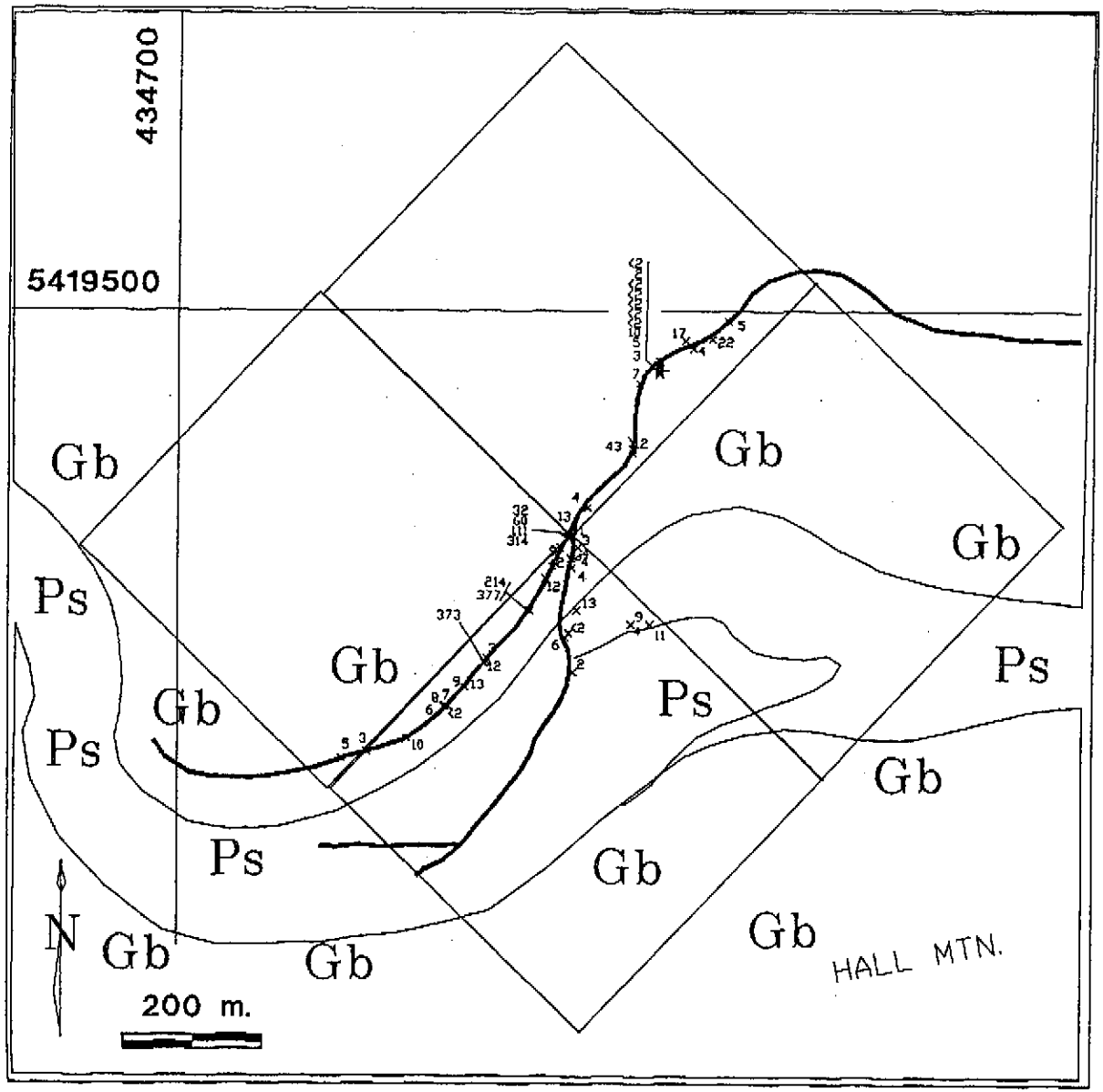
Assay Locations

LITHOLOGY
Gb Gabbro Sills
Ps Pal. Seds.

Map uses NAD 27 coordinates

Drawn by: MPS, 29.08.01

Figure 4. Locations of assayed samples, PIE claims



PIE GROUP
Nanaimo M.D.

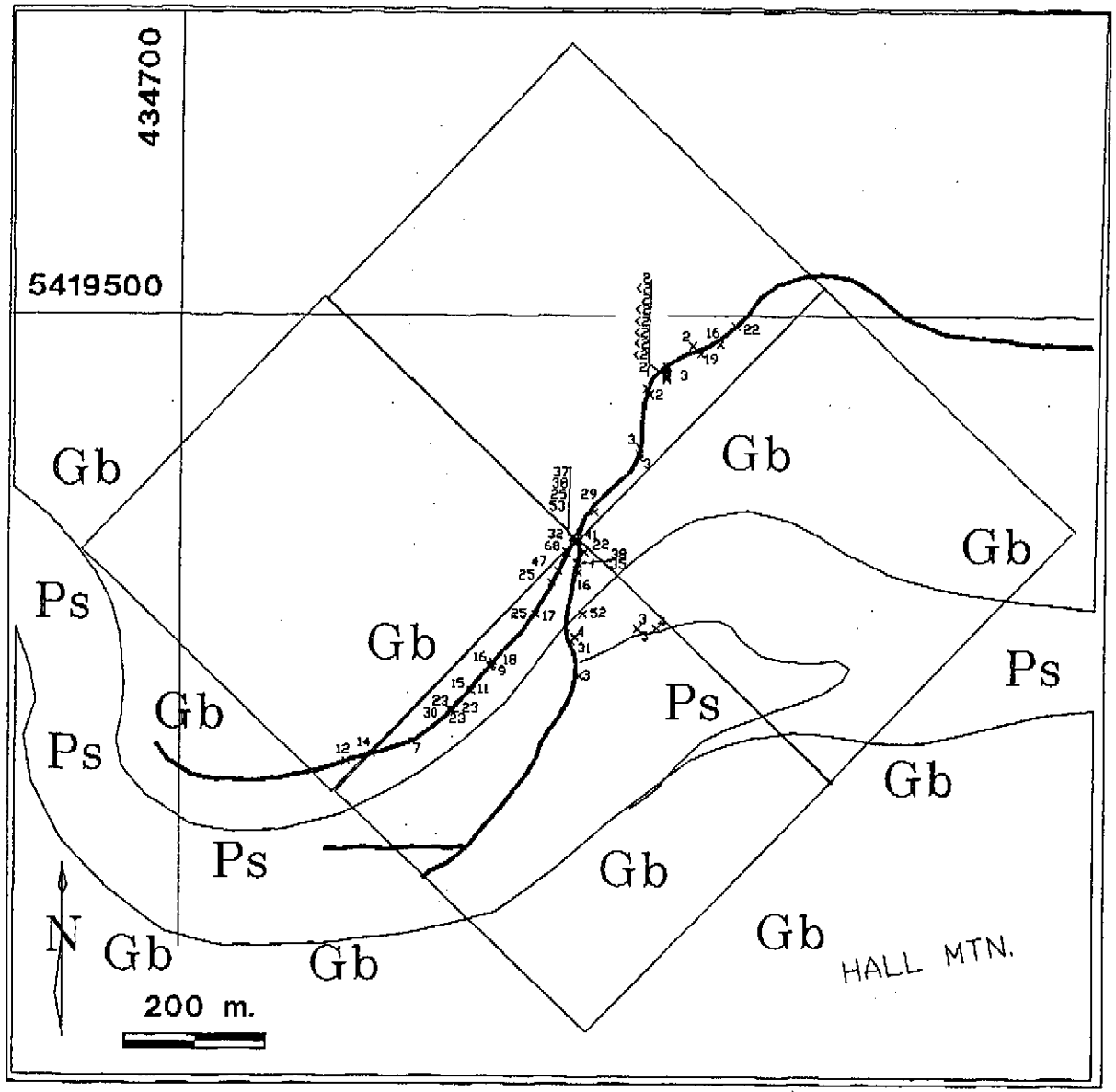
Au Values
in ppb.

LITHOLOGY
Gb Gabbro Sills
Ps Pal. Seds.

Map uses NAD 27 coordinates

Drawn by: MRS 20.08.01

Figure 5. Showing Au values on PIE claims



PIE GROUP
Nanaimo M.D.

Pd Values

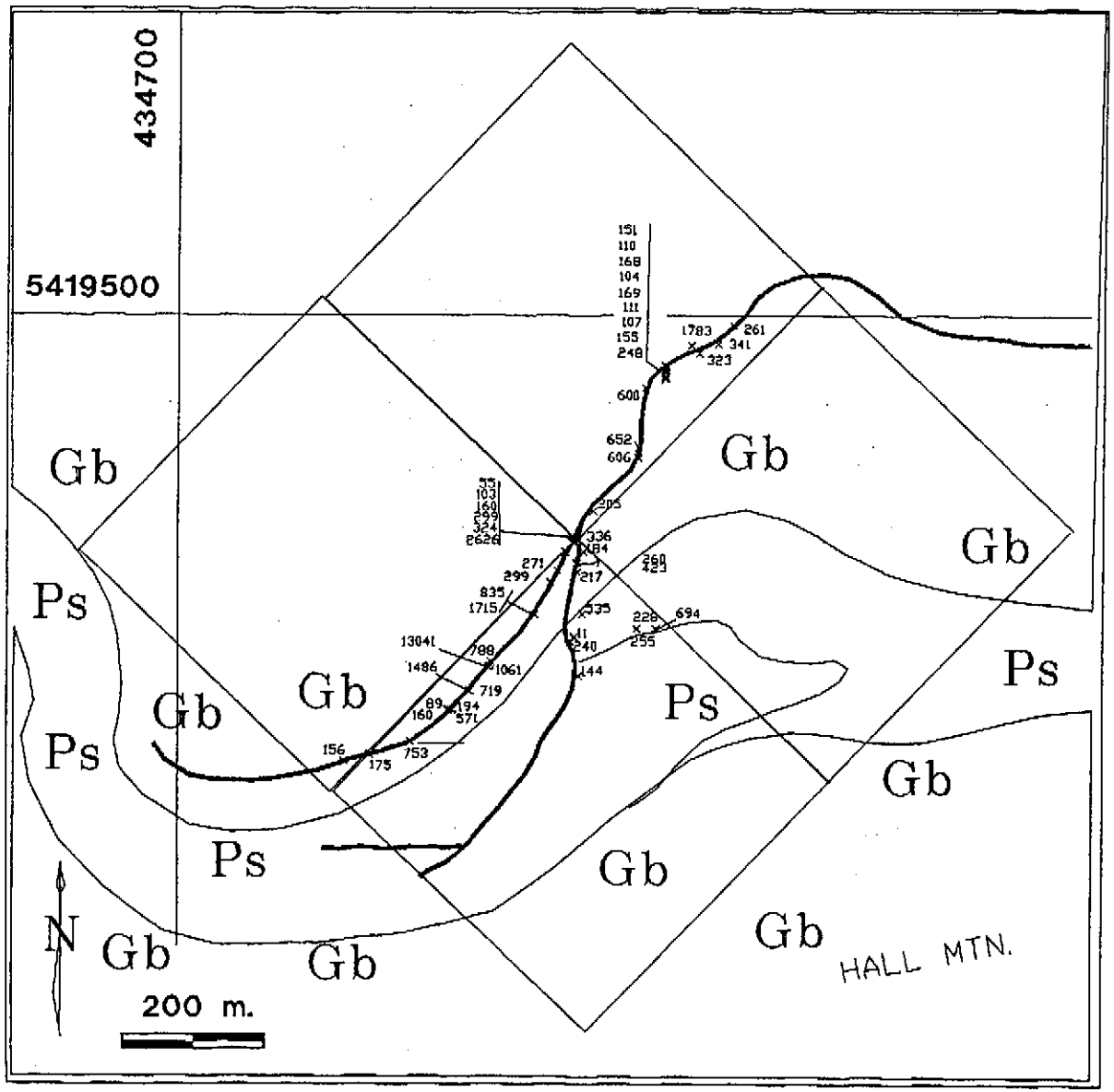
in ppb.

LITHOLOGY
Gb Gabbro Sills
Ps Pal. Seds.

Map uses NAD 27 coordinates

Drawn by: MDS 20.08.01

Figure 6. Showing Pd values on PIE claims



PIE GROUP
Nanaimo M.D.

Cu values
in ppm

LITHOLOGY
Gb Gabbro Sills
Ps Pal. Seds.

Map uses NAD 27 coordinates

Drawn by: MPS 29-08-01

Figure 7. Showing Cu values on PIE claims

Current results categorized as to target type are shown below:

quartz veins in gabbro:

gold:	up to 373 ppb
palladium:	up to 16 ppb
silver:	up to 6.6 ppm,
nickel:	up to 36 ppm
copper:	up to 13041 ppm
molybdenum:	up to 6 ppm

quartz veins in meta-sedimentary country rock:

gold:	up to 11 ppb
palladium:	up to 4 ppb
silver:	up to <.3 ppm
nickel:	up to 29 ppm
copper:	up to 694 ppm
molybdenum:	up to 156 ppm

thin pyrrhotite veins and disseminated sulphides in magnetite layer in gabbro:

gold:	up to 337 ppb
palladium:	up to 68 ppb
silver:	up to 10.5 ppm
copper:	up to 2626 ppm
nickel:	up to 62 ppm
titanium(soluble)	up to .50%
vanadium(soluble):	up to 458 ppm

a finer grained gabbro from contact zone (i.e. non mineralized gabbro):

gold:	6 ppb
palladium:	31 ppb
silver:	<.5 ppm
copper:	240 ppm
nickel:	17 ppm
titanium(soluble)	.14%
vanadium(soluble):	181 ppm

representative values from sulphide bearing layers in country rock:

gold:	up to 4 ppb
palladium:	up to 3 ppb
silver:	up to <.3ppm
copper:	up to 255 ppm
nickel:	up to 23 ppm
titanium(soluble)	up to .31%
vanadium(soluble):	up to 202 ppm

The table above shows that compared with the previous results, that the maximum palladium anomaly reported in 1988 was not reproduced during this sampling campaign although the palladium values are anomalous high in the area previously indicated. In 1988 samples of magnetic gabbro with minor pyrrhotite veins returned Pd values of 180 and 150 ppb. In 2000 and 2001 samples taken from the same general locality and similar rock types returned a maximum of 68 ppb.

On the other hand, samples from the veins showed higher concentrations of gold than previously reported. In 1988 the maximum value of gold was 120 ppb, but in 2000 and 2001 samples from the same vein system returned 373 ppb.

Copper, in the form of chalcopyrite, is present in both veins and magnetite. In 1988 the maximum value reported was 10338 ppm and a sample taken from this same vicinity gave 13041 ppm in 2000-01.

Veins in the country rock are not as enriched in commercial elements as the veins in the gabbro.

Local variability is considerable; a somewhat larger than a cubic meter sized ripup had samples knocked from each corner, the results are quite variable for Pd (from 25 to 53 ppb), Au (from 60 to 314 ppb), and copper (from 55 to 2626 ppm). This variability stems from the narrow reaction rims around the several pyrite veins that traverse the fragment.

Some secondary enrichment has apparently taken place, because small specks of native copper was seen in apparently weathered subcrop samples. The enrichment is presumably due to weathering of sulphide rich samples in an aerated soil profile. This weathering may have affected, but with either enrichment or impoverishment, the concentrations of other elements. Only samples from fresh rock (i.e. removed from zone of weathering) will answer this query.

Specimens collected down section (i.e. assuming the layering was once horizontal and in an upright position) across a sheared portion of magnetite bearing gabbro

	In ppb		In ppm				%
	Pd	Au	Ag	Cu	Ni	V(sol)	Ti(sol)
A	2	10	.7	248	62	217	.50
B	<2	<2	<.3	155	52	166	.36
C	<2	5	<.3	107	30	129	.28
D	<2	3	<.3	169	38	123	.32
F	3	<2	<.5	111	37	102	.21
G	<2	<2	<.5	104	34	104	.18
H	2	<2	<.5	168	50	137	.24
I	2	<2	<.5	110	36	110	.20

The data shows that the sheared gabbro is depleted in most of the aqua- regia soluble elements. Pd, in particular, is less than a tenth of values seen in unaltered gabbro. Copper seems depleted as well, whereas soluble Ti is seemingly elevated. Sample A is the least deformed and most likely to retain "original values". Sample I has small epidote segregation, and samples in the middle are generally rusty and argillic in appearance, suggesting feldspars have been converted to clay in the most sheared part of the zone.

5.3/ Interpretations:

The results are subject to two restrictions:

a/ The analytical data for the early work, in particular with respect to Pd, is not directly comparable to the later data. Nevertheless the area which showed the highest values in 1988 still show the highest relative values in this sampling as well, but are values are lesser in the absolute sense.

b/ There is clearly depletion and enrichment occurring in some of the samples; the extent to which this afflicts all samples is not known. The presence of sheared and argillic gabbro with as little as 111 ppm Cu in gabbro, contrasted with the local presence of native copper in some hand specimens indicates a certain amount of remobilization. Some is almost certainly associated with weathering. Pyrrhotite, the main constituent of the wall paper veins, is known to weather easily, and the fate of accompanying elements are not known. Hence sampling using a different strategy may achieve different results.

The mineralization, is of two types:

I/ An earlier magmatic magnetite layer type with chalcopyrite inclusions in magnetite grains and cut by locally abundant pyrrhotite bearing, wallpaper- thin veins found in the gabbro.

II/ A later cross cutting quartz, sulphide vein assemblage with hydrous and sulphidic alteration along walls,

I/ The earlier **magnetite layer** is the more attractive mineralization, because of its much larger volume, and magnetic character will make it easy to map under the overburden. Unfortunately, no sufficiently anomalous volumes have been identified although the layer remains a viable target.

A lot of writing about magnetite layers in gabbro bodies focuses on the apparent concentration of elements in the latest, i.e. magnetite precipitating, fluids that formed the magnetite layer. The magnetite layers are thought to act the same way as pegmatites do in granitic bodies. Hence it concentrates the incompatible elements (Prendergast) and as such have

become the industrial source of some of these elements. For example, the Bushveld Complex, one of the largest basic intrusions on the earths surface, not only is a source for Platinum Group Elements, but also of Vanadium and Titanium.

In some locations the Pd is concentrated in the zone immediately below, or in the lowest part of the, magnetite layer (Prendergast, 2000). This region has yet to be sampled, in undeformed rocks, in this showing.

II/ The **quartz veins** cut the gabbro and country rock. The veins post date cooling of the Hall Mtn Gabbro body, but whether it is associated with the nearby Ladysmith Granodiorite pluton, or with later Tertiary Veins is not clear. Proximity would favour the first alternative.

The veins show reaction rims; the Cu, Au, and locally Mo bearing veins are thus out of equilibrium with the gabbro and hence the strength of mineralization of the veins is a function of the length and intensity of hydrothermal action. The observation that country rock veins are not as metalliferous as the gabbro veins suggests, that elements from the gabbro may have been dissolved and redistributed during vein formation. This mechanism of dissolution seems to have been active in the deformation zones which have affected the gabbro. Thus the possibility of finding regions of concentrations remains.

5.4/ Conclusions:

The work has indicated the possibility that a large volume of magnetite layer exists. We do know (from regional aeromagnetic maps) that lateral continuity of the magnetite layer is probable. A transverse section across deformed gabbro clearly shows that some deformation has depleted the gabbro of PGEs. A vertical section through undeformed gabbro at the top of the magma chamber has still to be achieved. The best current estimate is that the magnetite layer is about 30 metres thick (AR 17351).

The possibility of other elements being enriched in the magnetite should be explored. These elements are not necessarily brought into solution by aqua regia solution and this would not be seen by normal analytic procedure using such solutions. Elements such as V and Ti will require analyses by different and more comprehensive means.

Whether the quartz sulphide veins have extensive lateral continuity is not known. At any rate, although they have been found in these rocks outside the claims as well, they are not located in any large volume and would require considerable prospecting effort to locate.

6.0 Future work

Future work should concentrate on finding more anomalous areas of precious metals in the magnetite layer. One way to do this is to locate the most favourable enrichment zones in the magnetite layer. A robust way of estimating this enrichment is to determine the total amount of V and Ti in the magnetite layer. Some way of accessing and sampling the precious metal content of rocks immediately underneath the magnetite layer should be devised. An affordable means should be devised to indirectly sample the covered bedrock, within the forested part of the claims.

A petrographic and petrochemical survey of the rocks already collected and analysed for the total rock (instead of only the acid soluble portion, as herein reported) would help in assessing the enrichment of the magnetite layer.

The second requirement is difficult to meet without a substantial commitment of resources. Until better results are achieved this must remain a phase-three project.

A geochemical or bio-geochemical survey may be a way to sample in the forest, but more work is needed to properly appreciate the problems before going ahead. A small pilot project would be advisable to examine the efficacy of several methods before covering the claims with samples.

7.0 References

Clapp, C.H. and Cooke,H.C., 1917,
Sooke and Duncan Map-areas, Vancouver Island with sections on the Sicker Series and the Gabbro of East Sooke and Rocky Point: Geological Survey of Canada Memoir 96, 445 pg. Maps in pocket scale 1:250000)

Hawkins, T.G., 1988
Report on Phase 1; Geology, Geochemistry and Geophysics on the Hall Group (Orn 1 to 4 Claims); BC Gov, Geological Branch Assessment Report 17351.

Massey, N.W.D., 1995,
Geology and Mineral Resources of the Duncan Sheet, Vancouver Island, 92B/13; BCMD Paper 92-4, 112pg, map in pocket, scale 1:50000.

Muller, J.E., 1985,
Geology, Victoria west of the Sixth Meridian, British Columbia, GSC Map 1553 (scale 1:100000).

Neale, T., 1987
Assessment Report on Geological Mapping, Rock and Silt sampling of the Hall Group (Orn1-4 claims);BC Gov, Geological Branch Assessment Report 16289.

Prendergast, M.D., 2000
Layering and Precious Metals Mineralization in the Rincon del Tigre Complex, Eastern Bolivia; Economic Geology, V95,pp. 115-150.

8.0 Authour's qualifications:

I have been a rock hound, prospector and geologist for over 40 years. My mineral exploration experience has been with Shell, Texas Gulf Sulfur, Kennco, Geophoto, Cogema and, several mining juniors. I have worked 10 years in southern BC and spent 23 years with the GSC focused on mapping in northeastern Arctic Canada. For the last 6 years I have prospected and explored for PGEs in Nunavut, Nunavik and BC.

I reside at 1007 Barkway Tce, Brentwood Bay, BC, V8M 1A4

I am currently a BC Free Miner, # 142134, paid up until Aug 31, 2002.

Last year (2000) and this (2001) I was given a grant by the prospectors assistance program to prospect on Vancouver Island.

My formal education is that of a geologist, I graduated with an honours BSc in 1964 and PhD in Geology in 1969, both, from UBC. While at UBC I assisted Dr. R. Thompson in giving mineralogy classes to prospectors. During the course of my employment with the GSC I had numerous occasions to address the needs of many prospectors and mineral explorationists.

I am a P.Geol. licensed in Nunavut and NT, and am in process of becoming a P.Geo. Licensed in BC.

APPENDIX 1 Rock descriptions and selected analytical values
(arranged roughly from the southwest toward the Northeast)

STATION kind, type, description	all in zone 10 UTME	 UTMN	ppb PD	 PT	 AU	ppm AG	 CU
PIE2-3A talus, grab, medium grained gabbro with scattered pyrite, scarce veins with pyrite	,434937	,5418865	,12	,3	,5	,<.3	,156
PIE2-4A outcrop, grab, medium grained gabbro with abundant magnetite and slickensided surfaces with chlorite and broken pyrite crystals	,434973	,5418875	,14	,4	,3	,<.3	,175
PIE2-9A outcrop, grab, quartz vein with pyrite set in silica-impregnated altered gabbro	,435031	,5418893	,7	,<2	,10	,<.3	,753
PIE2-10C outcrop, grab, coarse grained gabbro with stubby hornblende to 3 cm with abundant magnetite and scattered pyrite in the matrix	,435085	,5418938	,23	,8	,6	,<.3	,160
PIE2-10A outcrop, grab, coarse grained gabbro with abundant magnetite and chloritic and pyrite and pyrrhotite coated joints, Thin (cm thick) feldspar rich layers	,435085	,5418939	,23	,5	,7	,<.3	,89
PIE2-10B outcrop, grab, coarse grained gabbro with abundant magnetite and pyrite and pyrrhotite veins	,435086	,5418939	,23	,10	,8	,<.3	,194

010714-199A kettle sized ripup, grab, magnetite, hornblende bearing mela-gabbro, with sulphide veinlets	,435090	,5418939	,30	,8	,<2	,.4	,571
PIE2-2A kettle sized ripup, grab, rusty medium to coarse grained gabbro with pyrite dotted magnetite and with argillically altered chloritic and sulphidic wallpaper veins	,435115	,5418965	,15	,10	,13	,.7	,1486
PIE2-2B kettle sized ripup, grab, rusty coarse grained gabbro with hornblende to 3 cm and with pyrite dotted magnetite and	,435116	,5418965	,11	,<2	,9	,.3	,719
010714-200C outcrop, grab, mainly pyrite and chalcopyrite from sulphides disseminated in alteration around a pyrite-quartz vein	,435142	,5419000	,16	,2	**,373**	**,6.6**	**,13041**
010714-200B weathered ripup fragment, grab, quartz vein with pyrite aggregates and chalcopyrite in alteration (native copper?)	,435145	,5419001	,9	,<2	,12	,.5	,1061
PIE2-5A outcrop, grab, coarse grained gabbro with 4 cm hornblende and abundant magnetite with rare pyrite grains scattered in mafic minerals, also very few thin rusty and pyrite bearing veins	,435146	,5419006	,18	,6	,3	,<.3	,788
010714-201A outcrop, thin horizontal gossany vein of sulphide and rust, 3 cm wide, only vein material sampled,	,435207	,5419073	,17	,11	**,377**	**,10.5**	,1715

it cuts medium grained gabbro.

010714-201B outcrop, thin vertical gossany vein of sulphide and rust, 1 cm wide, as above	,435208	,5419073	,25	,2	**,214**	,2.6	,835
PIE2-6A outcrop, grab, coarse grained gabbro with 2 cm hornblende and abundant magnetite cut by rusty pyrite veins	,435230	,5419119	,25	,6	,12	,<.3	,299
PIE2-7A kettle sized ripups, grab, medium m grained Hornblende and magnetite rich gabbro cut by now weathered pyrite veins	,435240	,5419136	,47	,7	,<2	,<.3	,271
PIE2-8A ripup, grab, medium coarse gabbro with cm sized hornblende and abundant magnetite cut by thin scarce veins of pyrite with minor chalcopyrite	,435252	,5419163	**,68**	,5	,9	,<.3	,299
010714-204A outcrop, grab, porphyritic gabbro very near contact (<1m), very thin pyrrhotite veins cross contact, but are most prevalent, though not abundant, in gabbro. Gabbro itself is fine grained with conspicuous feldspar phenocrysts. This is probably best estimate of the original gabbro composition.	,435259	,5419035	,31	,5	,6	,<.5	,240
PIE2-1A ripup, several-meter sized block, see also 1B and 1C for values for grab samples off same block, medium grained gabbro with	,435260	,5419185	,37	,<2	**,314**	,<.3	,103

local pyrite in matrix as well
as a 1 cm wide pyrite vein with
quartz and carbonate gangue.
(note minor chalcopyrite)

PIE2-1C ,435260 ,5419186 **,53** ,8 ,60 ,<.3 ,55
ripup, large block, medium grained
gabbro, with wallpaper pyrrhotite
veins and 1 cm wide quartz vein
with minor pyrite and chlorite
(n.b. minor malachite stain on
chlorite surface)

PIE2-1B ,435261 ,5419185 ,25 ,2 ,111 ,<.3 ,160
ripup, large block, medium grained
gabbro, with pyrite cores in
magnetite grains, cut by .5cm quartz
vein with pyrite core and pyritic
selvage

PIE2-1D ,435262 ,5419189 ,32 ,<2 ,32 ,.6 **,2626**
ripup, adjacent large block,
gabbro, with wallpaper
pyrrhotite veins, with local
chalcopyrite

PIE2-11A ,435264 ,5419041 ,4 ,4 ,<2 ,<.3 ,11
outcrop, grab, conchoidally
breaking, beige weathering,
black cherty argillite (with
minor sulphides) and containing
a small layer of volcaniclastic
siltstone.

010714-197B ,435264 ,5419176 ,41 ,6 ,11 ,<.5 ,336
kettle sized ripup, grab,
magnetite and hornblende
mela-gabbro, with pyrite veinlets

010714-197A ,435264 ,5419180 ,38 ,3 ,13 ,<.5 ,324
as above, grab, magnetite and
hornblende gabbro, with thin
pyrite veinlets

010714-203A	,435267	,5419147	,35	,4	,4	,<.3	,423
outcrop, grab, coarse grained gabbro with thin local, chlorite and pyrite, pyrrhotite veins with minor chalcopyrite, local layering at 230/30, local shear at 060/vertical is about 10 cm wide							
PIE2-12A	,435268	,5419134	,16	,10	,4	,<.3	,217
outcrop, grab, medium grained gabbro with local large feldspars cut by very thin pyrite pyrrhotite veinsulphide veins in gabbro							
010714-203B	,435268	,5419147	,38	,3	,4	,<.5	,260
outcrop, thin feldspar layers in gabbro							
E187854	,435270	,5418986	,3	,2	,2	,<.3	,144
outcrop, grab, gabbro with disseminated sulphides in magnetite grain							
010714-202A	,435275	,5419074	,52	,<2	,13	,<.5	,535
ripup, broken, gabbro with minor chalcopyrite (taken below road at location to reproduce previous high Pd reading)							
PIE2-13A	,435277	,5419163	,22	,5	,3	,<.3	,184
outcrop, grab, medium to coarse gabbro with cm long hornblende, thin veins, some with pyrrhotite, others with chlorite							
PIE2-14A	,435291	,5419221	,29	,9	,4	,<.3	,205
outcrop, grab, coarse grained gabbro, with up to 2 cm long hornblende in magnetite rich rock, thin veins of pyrite							
E187861	,435353	,5419053	,3	,<2	,4	,<.3	,255

outcrop, grab, disseminated pyrite
in hornfelsed siltstone

E187858 ,435353 ,5419054 ,3 ,<2 ,9 ,<.4 ,228
outcrop, grab, quartz-pyrite
vein, in above host

E187857 ,435354 ,5419298 ,3 ,4 ,43 ,<.3 ,606
outcrop, grab, 10 cm pyrite vein,
in medium grained magnetic gabbro

E187856 ,435354 ,5419304 ,3 ,<2 ,12 ,- ,652
outcrop, grab, pyrite vein in
medium grained magnetic gabbro

PIE2-15A ,435364 ,5419397 ,<2 ,5 ,7 ,<.3 ,600
outcrop, grab, medium grained
gabbro with abundant magnetite and
thin rusty weathered remnants of
pyrite veins.

E187853 ,435380 ,5419054 ,4 ,<2 ,11 , n/a ,694
outcrop, grab, vein, mainly
pyrite with minor chalcopyrite
in siltstone

010714-205A ,435392 ,5419409 ,2 ,2 ,10 ,.7 ,248
outcrop, samples A to I are
spaced along this water washed
channel across the trend of the
unit. All the samples are in
argillicly altered gabbro, each
end being less altered than the
middle samples.
010714-205B ,435392 ,5419410 ,<2 ,<2 ,<2 ,<.3 ,155
010714-205C ,435392 ,5419411 ,<2 ,2 ,5 ,<.3 ,107
010714-205D ,435392 ,5419412 ,<2 ,<2 ,3 ,<.3 ,169
010714-205F ,435392 ,5419418 ,3 ,<2 ,<2 ,<.5 ,111
010714-205G ,435392 ,5419420 ,<2 ,<2 ,<2 ,<.5 ,104
010714-205H ,435392 ,5419423 ,2 ,<2 ,<2 ,<.5 ,168
010714-205I ,435392 ,5419429 ,2 ,<2 ,<2 ,<.5 ,110
shear direction 240/75 for all

locations, more epidote near I,
veins and cross veins with clay
alteration and rust common C-F.

PIE2-16A ,435394 ,5419427 ,<2 ,4 ,2 ,<.3 ,151
rusty punky outcrop, grab, rusty,
sheared medium grained gabbro in
which feldspars have made into
clay

E187852 ,435429 ,5419457 ,2 ,<2 ,17 ,1.2 ,1783
outcrop, grab, rusty sulphide vein
composed mainly of pyrite, with
minor chalcopyrite in medium
grained gabbro

PIE2-17A ,435438 ,5419448 ,19 ,4 ,4 ,<.3 ,323
broken ripup, grab, highly leached
and sheared medium grained gabbro
whose feldspars have turned to clay

PIE2-18A ,435468 ,5419460 ,16 ,9 ,22 ,.3 ,341
rusty ripup, grab, slickensided
medium grained gabbro with
remnants of pyrite in matrix and
in thin veins

PIE2-19A ,435490 ,5419485 ,22 ,5 ,5 ,<.3 ,261
rusty and broken ripup, grab,
coarse grained gabbro with
hornblende to 2 cm and visible
magnetite with scattered pyrite
grains

Appendix 4 Certificates of Analysis from ACME Labss

Note, expenses claimed only for indicated specimens.

3 batches:	A003465,	25 for PIE, September 20, 2000
	A004894,	6 for PIE, December 12, 2000
	A102318, page 1,	9 for PIE, August 3, 2001
	A102318, page 2,	11 for PIE, August 3, 2001

Total used: 51

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A003465

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

25 fa PIE

Data FA

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

6 fa PIE

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Data FA Y/L SP

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 (ISO 9002 Accradited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102318 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
010705-001A	.4	153	<2	54	<.5	71	54	670	6.39	1	<1	<2	<1	70	<.1	<.5	<.5	201	1.61	.021	1	73	3.44	23	.104	6	3.64	.210	.04	<1	<1	6.0	<1	.20	7	2	<2	2
010710-001A	.6	263	<2	93	<.5	29	34	619	6.56	1	<1	<2	<1	27	<.1	<.5	<.5	220	.91	.098	7	9	1.59	23	.271	3	2.27	.087	.05	<1	<1	5.0	<1	<.02	12	7	<2	28
010713-186A	.4	74	2	187	<.5	47	25	1911	5.84	1	1	<2	3	202	.2	<.5	<.5	188	3.54	.196	19	91	3.43	393	.030	10	2.54	.053	.15	<1	1	28.0	<1	<.02	8	<2	2	8
010713-186C	1.3	71	<2	164	<.5	31	81	1843	7.71	2	<1	<2	<1	37	.2	<.5	<.5	192	1.28	.134	4	44	3.91	59	.034	5	3.79	.043	.15	<1	<1	17.0	<1	1.67	10	5	<2	<2
010713-187B	.3	216	2	86	<.5	12	35	936	5.16	13	<1	<2	1	57	.1	.5	<.5	212	1.65	.094	4	29	2.56	40	.171	2	2.89	.056	.06	1	<1	13.0	<1	.11	9	3	<2	3
010713-187C	.6	6	<2	6	<.5	3	2	87	.37	4	1	<2	4	53	<.1	<.5	<.5	15	1.94	.011	10	25	.10	99	.030	6	1.53	.022	.18	1	<1	1.0	<1	<.02	6	2	<2	6
010713-187D	.4	11	<2	35	<.5	32	14	401	1.72	2	<1	<2	1	39	.1	<.5	<.5	73	1.31	.092	5	110	1.39	37	.084	1	1.49	.094	.10	<1	<1	6.0	<1	<.02	4	<2	<2	9
010713-187E	.9	148	3	73	<.5	2	10	675	3.52	28	1	<2	4	31	<.1	<.5	<.5	51	1.59	.122	14	19	.83	51	.138	2	1.98	.111	.16	1	<1	5.0	<1	.52	8	6	3	5
010714-197A	1.5	324	<2	71	<.5	15	27	418	7.14	1	<1	<2	<1	24	.2	<.5	<.5	433	1.27	.086	5	9	.67	84	.239	<1	1.53	.183	.28	<1	<1	9.0	<1	.39	10	13	3	38
010714-197B	1.4	336	<2	55	<.5	14	26	351	7.90	1	<1	<2	1	20	<.1	<.5	<.5	347	1.40	.127	9	22	.50	30	.209	3	1.08	.173	.13	1	<1	9.0	<1	.75	10	11	6	41
010714-202A	5.1	535	<2	80	<.5	3	19	448	6.47	1	<1	<2	3	19	.1	<.5	<.5	64	1.64	.247	20	15	.47	36	.144	<1	1.28	.148	.15	1	<1	9.0	<1	.17	12	13	<2	52
010714-203B	1.7	260	<2	57	<.5	19	34	678	5.56	<1	<1	<2	<1	18	.1	<.5	<.5	289	2.09	.100	5	7	.77	17	.257	3	1.48	.214	.12	1	<1	16.0	<1	.65	10	4	3	38
RE 010714-203B	1.6	250	<2	55	<.5	19	32	658	5.51	1	<1	<2	<1	18	<.1	<.5	<.5	276	2.14	.099	5	7	.77	18	.242	1	1.49	.209	.12	1	<1	14.0	<1	.71	9	2	3	43
010714-204A	1.4	240	<2	36	<.5	17	15	324	3.84	1	<1	<2	1	61	<.1	<.5	<.5	181	2.32	.115	7	19	.59	47	.143	<1	2.28	.358	.11	<1	<1	9.0	<1	.12	8	6	5	31
010714-205F	.6	111	<2	48	<.5	37	23	437	3.32	1	<1	<2	1	131	.1	<.5	<.5	102	1.93	.148	8	55	1.56	28	.209	5	2.05	.109	.08	<1	<1	8.0	<1	<.02	7	<2	<2	3
010714-205G	.4	104	<2	41	<.5	34	22	383	3.03	1	<1	<2	<1	100	.1	<.5	<.5	104	2.06	.168	8	54	1.63	38	.178	4	2.17	.162	.16	<1	<1	8.0	<1	<.02	8	<2	<2	<2
010714-205H	.7	168	2	74	<.5	50	26	381	3.71	1	<1	<2	<1	71	.2	<.5	<.5	137	1.95	.146	8	82	1.87	48	.240	1	2.21	.187	.14	<1	<1	11.0	<1	<.02	8	<2	<2	2
010714-205I	.9	110	<2	50	<.5	36	21	383	3.17	1	<1	<2	1	110	<.1	<.5	<.5	110	2.18	.132	8	55	1.44	54	.195	2	2.09	.140	.18	<1	<1	7.0	<1	<.02	8	<2	<2	2
010715-001A	.6	1050	<2	25	<.5	2	2	954	1.38	<1	<1	<2	2	44	.1	<.5	<.5	2	3.42	.021	7	22	.51	73	.004	<1	.80	.032	.08	1	<1	1.0	<1	.60	2	<2	<2	<2
STANDARD C3/FA-10R	27.3	67	37	165	6.0	40	13	747	3.18	58	26	<2	22	31	26.0	14.0	25.2	83	.57	.099	20	175	.55	158	.090	23	1.87	.053	.17	14	1	5.0	1	<.02	8	476	471	475

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.
- 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: JUL 23 2001 DATE REPORT MAILED: Aug 3/01 SIGNED BY. C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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Data___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Schau, Mikkel File # A102318 Page 2

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
010705-001B	5	1513	14	53	.8	662	323	428	13.29	3	16	<2	2	20	2.0	5	5	281	1.03	.009	1	428	1.75	16	.15	4	2.37	.16	.04	<2	21	11	36
010705-002	<1	19	<3	14	.3	6	<1	461	11.03	10	<8	<2	<2	597	2.1	<3	3	4	11.88	6.795	2	3	.09	14	<.01	177	.09	.11	.02	2	4	<2	<2
010710-001AE	3	221	<3	49	.4	23	16	478	3.58	<2	<8	<2	<2	121	.4	5	<3	120	1.84	.079	4	49	.68	12	.38	9	1.71	.04	.02	<2	11	2	11
010710-001B	2	273	<3	92	<.3	30	29	673	6.02	<2	<8	<2	<2	22	1.2	6	<3	231	1.65	.081	8	11	1.37	39	.44	6	2.25	.06	.06	<2	6	2	18
010713-186D	2	20	3	56	<.3	5	13	706	3.59	<2	<8	<2	4	60	.7	3	<3	75	1.79	.141	13	22	.91	70	.16	7	2.04	.13	.13	<2	16	2	2
010713-187A	3	262	<3	120	.6	13	42	1144	7.05	27	<8	<2	3	35	.9	<3	6	293	1.01	.098	4	36	3.72	53	.30	<3	3.37	.03	.08	<2	3	<2	<2
010714-199A	3	571	<3	63	.4	16	26	716	6.11	3	<8	<2	2	13	.9	5	<3	292	1.89	.115	6	8	.86	21	.36	<3	1.62	.18	.18	2	<2	8	30
010714-200B	13	1061	<3	42	.5	10	27	294	4.28	3	<8	<2	<2	8	.7	3	<3	189	.25	.049	2	50	.91	79	.20	<3	1.46	.04	.46	36	12	<2	9
010714-200C	6	13041	<3	121	6.6	36	495	576	18.40	12	12	<2	3	8	2.1	6	15	405	.35	.064	3	29	2.02	16	.32	<3	3.00	.02	.13	<2	373	2	16
RE 010714-200C	7	12978	3	119	6.5	35	485	572	18.25	7	12	<2	3	8	2.6	<3	17	402	.35	.065	4	30	2.02	19	.32	<3	3.01	.02	.13	<2	357	<2	16
010714-201A	17	1715	7	112	10.5	20	50	232	24.89	19	<8	2	3	2	.5	8	7	264	<.01	.032	1	30	.42	19	.03	3	1.09	.01	.05	2	337	11	17
010714-201B	11	835	6	138	2.6	12	90	440	15.98	18	<8	<2	2	1	1.8	3	8	377	.03	.033	1	28	1.44	14	.06	<3	2.90	.01	.02	5	234	2	25
010714-203A	5	423	<3	56	<.3	21	36	690	5.54	<2	<8	<2	<2	15	.7	3	<3	280	1.88	.097	4	6	.82	14	.31	<3	1.43	.20	.14	<2	4	4	35
010714-205A	12	248	<3	102	.7	62	37	726	7.55	6	<8	<2	3	64	1.7	<3	3	217	1.38	.159	9	91	3.52	51	.50	4	3.43	.07	.05	<2	10	2	2
010714-205B	3	155	<3	76	<.3	52	33	651	5.61	4	<8	<2	2	91	1.0	4	4	166	2.31	.155	8	62	2.62	19	.36	7	2.96	.09	.04	<2	<2	<2	<2
010714-205C	3	107	3	37	<.3	30	15	371	2.75	6	<8	<2	<2	254	.6	7	<3	129	3.41	.164	7	49	1.05	9	.28	9	2.51	.07	.03	2	5	2	<2
010714-205D	3	169	<3	73	<.3	38	27	522	4.04	<2	<8	<2	<2	176	.8	7	<3	123	2.03	.144	7	70	1.77	15	.32	5	2.43	.08	.04	<2	3	<2	<2
010714-205E	1	122	3	56	<.3	40	22	545	3.62	<2	<8	<2	2	68	.8	3	<3	109	1.71	.146	7	50	1.65	74	.28	6	2.20	.13	.15	<2	<2	<2	<2
STANDARD C3/FA-10R	29	69	36	175	6.7	37	12	835	3.34	60	21	3	22	29	25.0	15	25	91	.57	.089	19	183	.62	154	.09	21	1.83	.05	.18	15	492	470	471
STANDARD G-2	2	5	3	48	<.3	8	4	580	2.07	<2	8	<2	5	71	.3	<3	<3	46	.66	.092	8	80	.62	219	.13	<3	.95	.08	.51	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: JUL 23 2001 DATE REPORT MAILED: Aug 3/01 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

11 for PIE

Date 4/5