

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.04.06

ASSESSMENT REPORT 17537

MINING DIVISION: Lillooet

PROPERTY: Aurum
LOCATION: LAT 50 33 00 LONG 122 47 00
UTM 10 5599588 515350
NTS 092J10W

CLAIM(S): Aurum, Aurum 2
OPERATOR(S): Newman, P. Yorston, B.
AUTHOR(S): Newman, P.; Yorston, B.
REPORT YEAR: 1988, 34 Pages

COMMODITIES
SEARCHED FOR: Gold

GEOLOGICAL
SUMMARY: Upper Triassic, Hurley and Pioneer Formations, consisting of sediments and volcanics with metamorphic equivalents. The formations trend northwest and dip north. The layered rocks contact a quartz diorite pluton approximately one kilometre north of the claim group. Quartz veins and lenses of varying sizes occur in the Pioneer and Hurley Formations carrying gold, pyrite and minor silver, copper, zinc, lead and molybdenum values.

WORK
DONE: Prospecting
PROS 1000.0 ha
Map(s) - 2; Scale(s) - 1:8000, 1:200
MINFILE: 092JNE

LOG NO: 0620	RD.
ACTION:	

SUB-RECORDER	
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JUN 15 1988	
M.R. #.....	\$.....
VANCOUVER, B.C.	

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Maps

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
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17,537

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1. Introduction

Reconnaissance prospecting by P. Newman within the Birkenhead River area led to the discovery of anomalous gold values in quartz vein samples. Staking of the Aurum claim was done during March of 1987.

Subsequent hand trenching by P. Newman uncovered three separately occurring veins the largest of which has a maximum width of about 2 metres and an indeterminate length. All veins have an apparent lensey character, but due to heavy talus and scree they have only been partially exposed.

Sampling from the trenches returned further anomalous gold values and an isolated grab sample value of .443 oz/T.

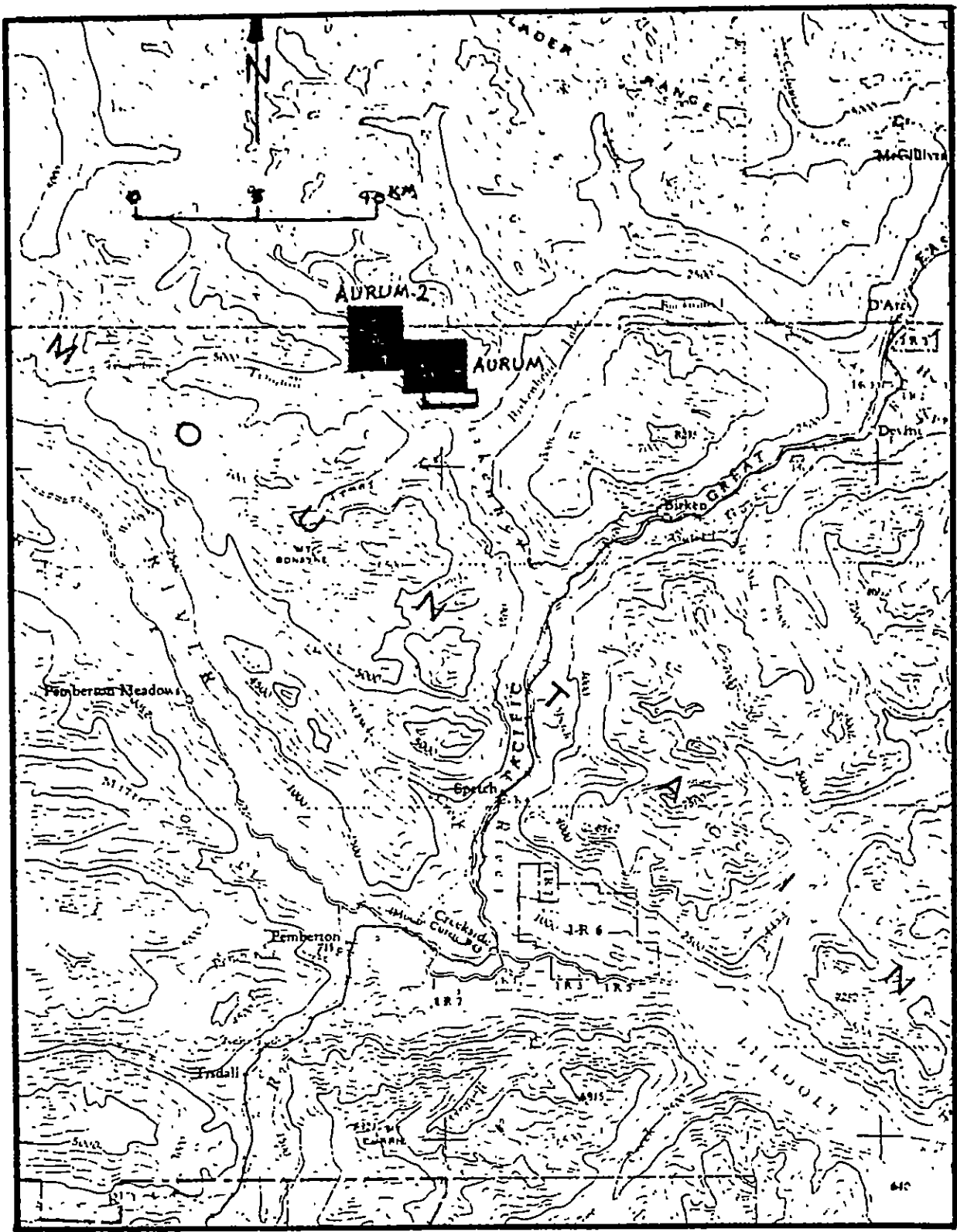
The Aurum II and the Mill claims were staked adjoining the Aurum claim.

2. Location, access and topography

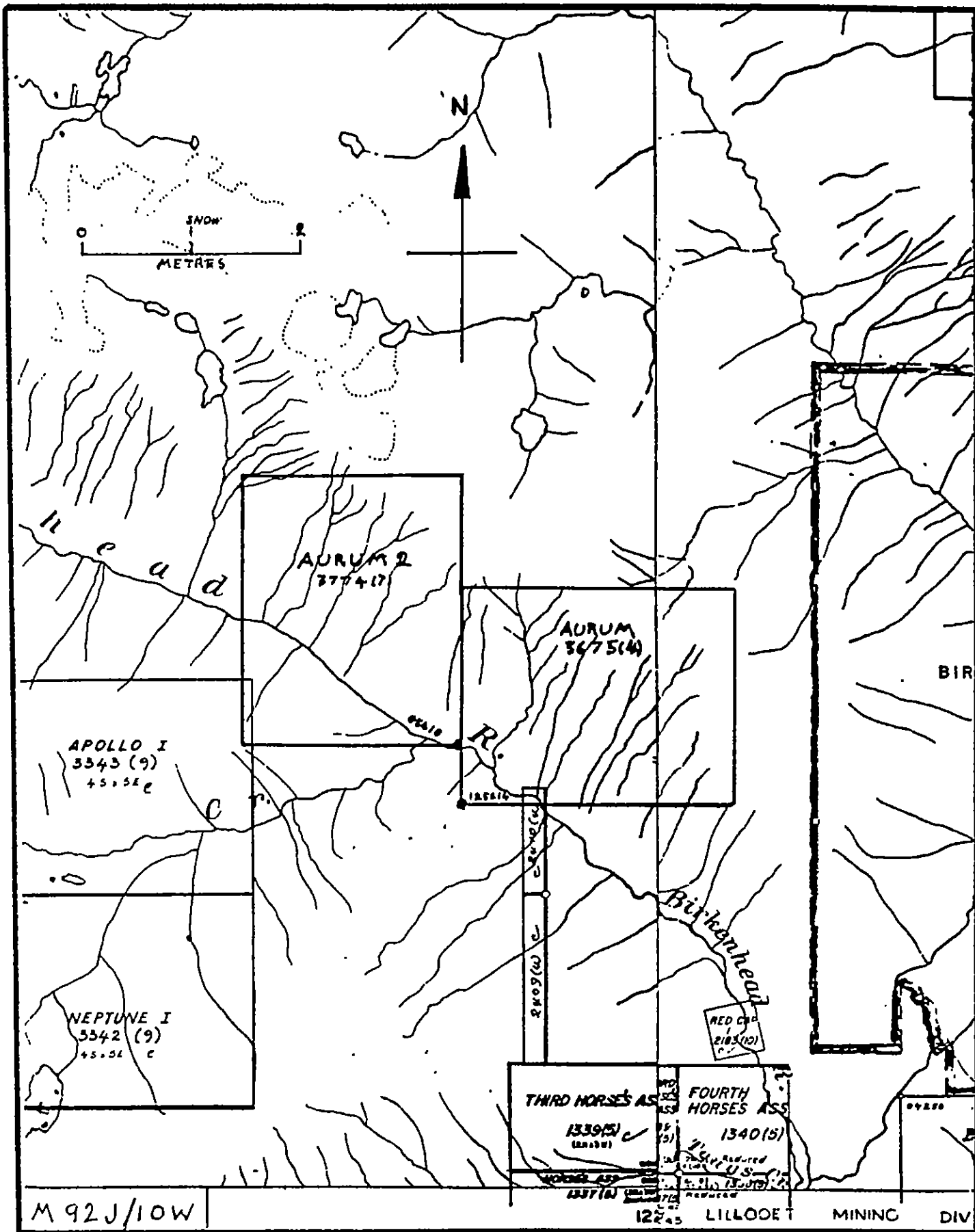
The Aurum claim is within the Birkenhead river valley about 4 km west of Birkenhead lake which in turn is about 20 km north of the town of Pemberton.

Access to the claim is by truck along new logging roads on the north side of the Birkenhead River. The main showing is on the steep sidehill about 300 metres in elevation above the road.

The topography is very precipitous on both sides of the Birkenhead river. Elevations range from 2500 feet at the river to over 7000 feet at the top of the north ridge. Almost all areas above treeline are inaccessible.



Map 1 LOCATION OF AURUM AND AURUM 2 CLAIMS



Map 2 CLAIM MAP - AURUM & AURUM 2 CLAIMS

3. History, economic assessment

There is no record of previous staking or work performed within this area and the mineralized veins are essentially new prospects.

It is currently impossible to assess the economic potential without substantial further work.

The regional implications have not been fully addressed and further off property prospecting is needed for the evaluation of the regional economic potential.

4. Geology

The area within the claim boundaries is underlain by the Pioneer and Hurley Formations consisting mainly of greenstone, andesite flows, tuff, and breccia and thin bedded argillite, slate and phyllite.

A large hornblende quartz diorite pluton is exposed along the north ridge within 1 km of the northern claim boundary. The pluton is elongated northwest, roughly parallel to the strike of the layered rocks.

A small body of coarse grained equigranular pyroxene bearing diorite was discovered within the northwest portion of the Aurum claim. This discovery is particularly significant if the diorite can be correlated with the augite diorite of the Bralorne intrusions. Within this area quartz veins and lenses which are generally weakly mineralized with pyrite and much lesser chalcopyrite have been sampled but gold values have been unfavourable.

The main showing is within the southeastern portion of the Aurum claim. The host rock encompassing the vein occurrences is a fissile thin splitting, light pale green, very fine grained sediment or tuff with locally developed phyllitic partings parallel to bedding. The thickness of this unit in the area of the showing is about 30 metres. It trends northwest and dips variably between 10° - 40° northeasterly. The three veins representing the showing occur both parallel and crosscutting to the stratigraphy and although they have a lenticular appearance, hand digging over a length of about 10 metres had not terminated the largest vein.

Mineralization within the veins consists of blebular to minor disseminations of pyrite and much lesser chalcopyrite, sphalerite, galena and molybdenite.

An anomalous gold value was also obtained from a sample taken off the Aurum 2 claim. In this area disseminated pyrite occurs within a 1.5 metre wide exposure consisting of a repetitive sequence of 1 cm wide bedded parallel quartz veins in a siliceous slaty dark grey argillite.

5. Work performed

5a) Prospecting

A total of twenty days was spent on detailed prospecting around the area of the main quartz veins, reconnaissance prospecting of the rest of the Aurum claim and also the area staked as the Aurum 2 claim.

The alpine area to the north of the claims was also looked at briefly where a quartz-diorite pluton is in contact with the sedimentary and volcanic rocks which host the auriferous quartz-veins at lower elevations.

Prospecting on the lower elevations at the claim areas was hampered by deep overburden and rubble and was restricted to creek draws where outcrop was generally good throughout the sedimentary-volcanic sequence. Outcrop at higher elevations is good, but the terrain is precipitous.

Sampling of the numerous quartz veins and lenses noted in the area was mainly by grab sampling usually of material carrying sulphides notably pyrite and sometimes pyrrhotite with occasional minor chalcopyrite.

Some continuous chip samples were taken across the veins in the main quartz vein area amounting to 4.6 metres total. Pyritized country rock was also grab sampled with values up to 80 ppb.

5b) Geochemical survey

Because of the heavy talus blocks it was suspected that soil sampling would be ineffective. However, a brief orientation survey line was run approximately 30 metres below the showing and values returned were surprisingly consistent with down-slope migration of mineralization.

Most soil samples were taken by B. Yorston (geologist). Samples were taken with a shovel from an average depth of 50 cm. In all cases a brown B horizon sample was obtained. Both soil and rock samples were analysed by Vangeochem Laboratories with a detection limit of 5 ppb gold.

All rocks were initially analysed by rock geochemical methods with a fire assay preparation and an atomic absorption finish. High values were re-analysed by the fire assay method.

Ten rock samples were processed with a multi-element ICP analysis to check for anomalous pathfinder elements. It was discovered from the ICP analysis that several gold related elements occur anomalously. The most notable are: Ag, As, Cu, and Sb.

The soil sample orientation survey showed that soil geochemistry may have limited usefulness in outlining potential gold occurrences.

5c) Geophysical Survey

A small VLF-EM survey over the main quartz vein area was tried for the purpose of assessing the feasibility of this type of survey.

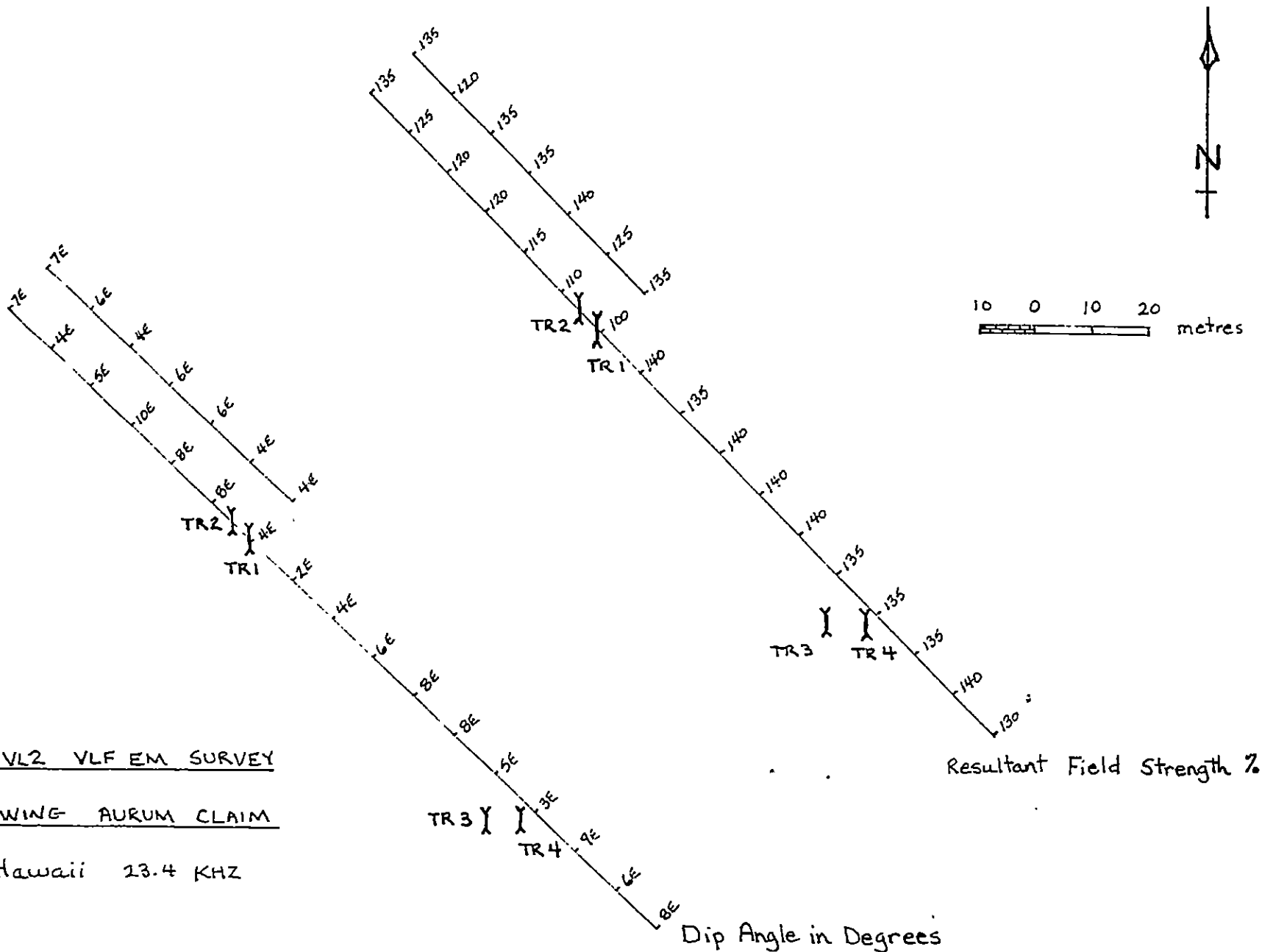
A Phoenix VLF instrument was used to read signal transmissions from Hawaii (23.4 KHZ) and Annapolis (21.4 KHZ)

The survey was limited due to unexpected deep snow.

5d) Physical Work

Hard trenching over a period of fifteen days was carried out on and around the quartz showings in the main quartz vein area. A total of approximately 30 cu metres of overburden was removed from seven trenches and test pits.

Five of these trenches were dug to bedrock. Large boulders, rubble, and overburden proved too deep in two others. Hanging wall to footwall sections of the quartz veins were exposed in trench 1, 2, 3, and 4. Further trenching is required to assess their strike extension.



PHEONIX VL2 VLF EM SURVEY

MAIN SHOWING AURUM CLAIM

Station : Hawaii 23.4 KHZ

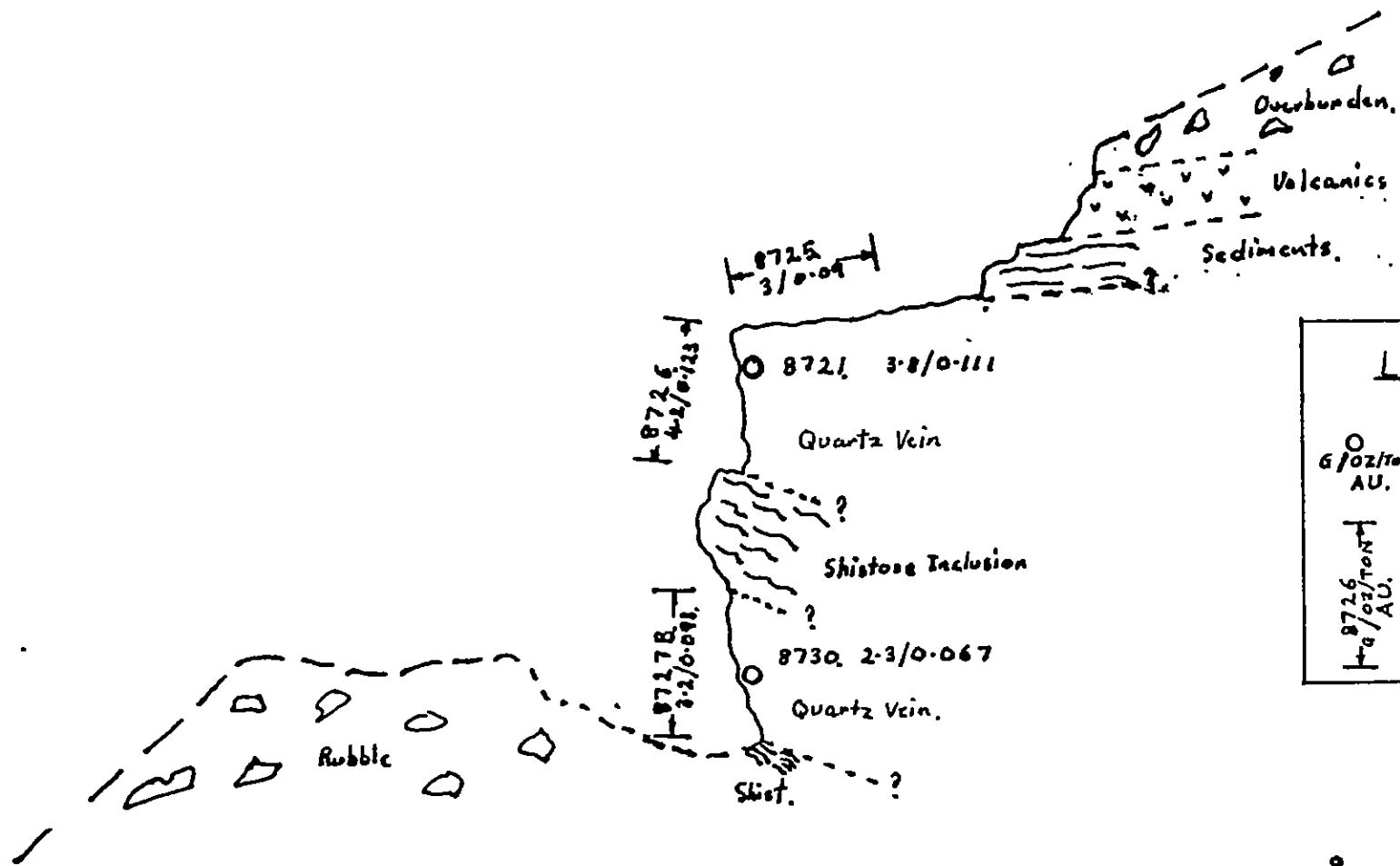
Resultant Field Strength %

note : Survey incomplete due to adverse weather.
Results inconclusive.

SECTION ONE TRENCH ONE
LOOKING WEST

S

N



LEGEND

○ GRAB SAMPLES
G/OZ/TON AND RESULTS
AU.

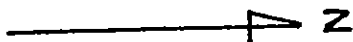
┆ 8726
G/OZ/TON
AU. CHIP SAMPLES
AND RESULTS.

SCALE



1:50

SECTION TWO TRENCH TWO
LOOKING WEST



S
|

N
|

Overburden

shist.
Quartz Vein.

shist.

○ 8732. 7.1/0.207

Quartz Vein.

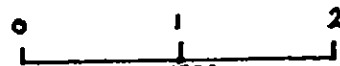
○ 8731. 15.2/0.443

shist. Shearing.

Rubble

○ g/oz/TON AU GRAB SAMPLES AND RESULTS

SCALE



1:50.

Conclusions and Recommendations

The results from prospecting and sampling have demonstrated good economic potential, particularly within the Avrum claim.

Future property work should consist of establishing a detailed grid around the main showing for the purposes of geologic mapping, soil and rock sampling, and geophysics. Some reconnaissance contour soil sampling should be done along the lower slope below the showing.

Construction of an access road for excavator trenching should also be given future consideration.

Initial priority during the 1988 season will be given to off property regional prospecting within the general geologic horizon hosting the main showing.

Authors Qualifications

I, Robert Keith Yorston, of Stoltz road, Duncan, B.C., do certify that:

1. I am a self employed geologist.
2. I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.
3. My primary employment since 1969 has been in the field of mineral exploration mainly as field geologist.
4. My experience has encompassed a wide range of geologic environments.
5. This report is based on consultation with P. Newman and a personal examination of the property.

STATEMENT OF QUALIFICATIONS

I, PETER NEWMAN, certify that:

I am a prospector (BC FMC No. NEWMP 296960) and have been involved in prospecting since 1973, both at an independent level and with numerous mining companies since that time.

I have had a variety of experience on various projects in western Canada, southwestern U.S.A. and the Canadian Shield.

I also attended the B.C. and Yukon Chamber of Mines prospecting and mining school (1973-74), and also the geology and prospecting course at B.C.I.T. (1974-75).

I have personally researched and prospected the property in this report.

North Vancouver, B.C.

P Newman
Peter Newman

Statement of Costs For Period 15th April to 22nd January 1988

Field Personnel (Person days)

Prospecting:	20 days through April to October 1987 (125.00 day	\$2500.00
Geological:	4 days during 25 June and 17, 18, 19 October 1987 (150.00 day	\$ 600.00
Trenching:	15 days through May to November 1987 (120.00 day	\$1800.00
Geophysical:	2 days on the 4 and 5 December 1987 (125.00 day	<u>\$ 250.00</u>
	Subtotal	\$5150.00

Laboratory Analysis

41 rocks analysed for Au per sample (10.50	\$ 430.50
10 rocks by multi-element analysis ICI per sample (6.50	\$ 65.00
4 rocks analysed for Ag per sample (5.00	\$ 20.00
13 soil samples analysed for Au per sample (6.35	<u>\$ 82.55</u>
Subtotal	\$ 597.55

Supply Costs

41 man days through April to December 1987 (field conditions) 35.00	\$1435.00
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Travel Expenses

20% of cost of physical work done through May to November 1987	\$ 465.00
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Report Preparation
and Map Costs

11th. to the 15th January, 1988 and the 18th to the 22nd January 1988 10 days-per day (100.00	<u>\$ 1000.00</u>
--	-------------------

Total \$8648.00

Rock Sample Descriptions and Values

<u>Sample No.</u>	<u>Description</u>	prb	<u>Au results</u> grams	oz/ton
8906	qtz grab from main vein area	1020	1.02	0.03
8908	qtz grab from main vein area	1200	1.2	0.035
87-5	grabs from mtn goat qtz vein	40	0.04	0.001
87-8	grabs from mtn goat qtz vein	25	0.025	-
87-10	grabs from mtn goat qtz vein	20	0.020	-
87-14	grabs from mtn goat qtz vein	20	0.020	-
87-3	grab from qtz carbonate zone 1m wide with pyrite-lower gold creek	70	0.07	0.002
8715	grab from qtz swarms west of main vein area minor py and po	200	0.02	0.006
8718	grab from qtz veins approx 200m above main vein area	No		
8720	grab from hanging wall of main vein	1500	1.5	0.044
8220A	as above and around 1%py and 1%py	1250	1.25	0.0365
8721	grab from trench 1 main qtz vein	3800	3.8	0.111
8722	float from below main qtz vein area tr 1 and 2	3900	3.9	0.114
8723	float from below main qt vein area trench 1 and 2	80	-	-
8725	1m chip sample on top of vein Tr 1 main qtz vein	3000	3.0	0.093
8726	1m chip sample hanging wall of main qtz vein	4200	4.2	0.123
8727	not assayed			
8727B	1m chip footwall of above vein	3185	3.2	0.093
8728	grab silicious volcanic and pyrite west of area	80	-	-

Sample No.	<u>Description</u>	ppb	<u>Au Results</u> grams	oz/ton
8729	grab silicious quartzite float with pyrite lower gold creek	35		
8730	grab from footwall Tr 1 main qtz vein	2295	2.3	0.067
8731	grab of brecciated qtz with goethite cement from narrow shear in qtz vein Tr 2 main qtz vein	14365	14.4	0.419
8732	grab of qtz from Tr2 main qtz vein area	6620	6.62	0.193
8733	grab of qtz from Tr3 (qtz above Tr3)	2160	2.16	0.063
8734	grab of qtz from Tr4 main qtz vein area	4660	4.66	0.136
873	grab of qtz from above Tr4 main qtz vein area	1885	1.9	0.055
8737	1.6m chip across qtz Tr3 main qtz vein area	1850	1.85	0.054
8980	grab of qtz above main qtz area	Nd		
8741	grab of qtz from mtn host vein area	Nd		
8741	grab of qtz @ 3700' west of main qtz vein area	Nd		
8742	Pyritized volcanic from above main qtz vein area	Nd		
8743				
8744	qtz grab near top of ridge, minor py	2		
8745	qtz grab around 6000' 3X4m lens	1		
8746	qtz grab on ridge 3X4m lens	2		
8747	grab from qtz swarms just over ridge	5		
8748	qtz float north of Auruz claim	3		
8749	qtz grab from lens just north of claim	2		
8750	grab from narrow qtz segregations up to 1.5m wide and minor pyrite in meta sediment on Auruz 2 claim	2290	2.3	0.067

<u>Sample No.</u>	<u>Description</u>	ppb	<u>Au Results</u> grams	oz/ton
8752	qtz grab from veins in upper gold crk	345	0.35	0.01
8754	qtz grab from veins in upper gold crk	150	0.15	0.004
8755	qtz from veins 200m above main area	00		
8762	qtz float grab sample - rusty + gobs of pyrite from pit below main qtz vein area	62000	62	1.945
S-1-87	soil from shear zone near diorite plug	1		
S-4-87	soil from pit below main qtz vein area	6050	6	0.18



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(604) 986-5211 TELEX: 04-352578

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1630 PANDORA ST
VANCOUVER, B.C. V5L 1L6
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REPORT NUMBER: 85-01-005

JOB NUMBER: 85043

MR. PETER NEWMAN

PAGE 1 OF 1

SAMPLE #	Au	
3906	ppb	
3907	1020	Ascom
3908	20	N/A
3909	1200	Ascom
	2500	N/A

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 85-01-021

JOB NUMBER: 85070

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SAMPLE #

Au

ppb

8251

80

8252

nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 870429 GA

JOB NUMBER: 870429

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SAMPLE #	Ag ppm	Au ppb
87 - 5	2.2	40
87 - 8	3.0	25
87 -10	.6	20
87 -14	.2	20

DETECTION LIMIT 0.1 5
nd = none detected -- = not analysed is = insufficient sample



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1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

REPORT NUMBER: B70593 GA

JOB NUMBER: B70593

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SAMPLE #	Au
	ppb
87 - 3	70
87 - 15	200
87 - 18	nd
87 - 20A	1250
87 - 25	3000
87 - 26	4200
87 - 28	80
87 - 29	35

DETECTION LIMIT
nd = none detected

5
-- = not analysed

is = insufficient sample



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VANCOUVER, B.C. V5L 1L6
(604) 251-6656

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JOB NUMBER: 870522

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PAGE 1 OF 1

SAMPLE #	Au
87-20	1500
87-21	3800
87-22	3900
87-23	80

DETECTION LIMIT

5

nd = none detected

— = not analysed

is = insufficient sample



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PAGE 1 OF 1

SAMPLE #	Au oz/st
87-20	.044
87-21	.111
87-22	.114
87-23	--

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

ppm = parts per million

(= less than

signed: _____

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ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR SN, NI, FE, CA, P, CR, MG, BA, PD, AL, NA, K, R, PT AND SR. AU AND PB DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, --= NOT ANALYZED

COMPANY: PETER NEWMAN
 ATTENTION:
 PROJECT:

REPORT#: PA
 JOB#: 870579
 INVOICE#: NA

DATE RECEIVED: 87/06/15
 DATE COMPLETED: 87/06/17
 COPY SENT TO:

ANALYST *P. Newland*

SAMPLE NAME	AS	AL	AS	AU	BA	BI	CA	CD	CO	CR	CU	FE	K	MS	NH	NO	NA	NI	P	PB	PD	PT	SB	SN	SR	U	W	ZN		
	PPM	Z	PPM	PPM	PPM	PPM	Z	PPM	PPM	PPM	PPM	Z	Z	Z	PPM	Z	Z	PPM	Z	PPM	ND	PPM	PPM	PPM	PPM	PPM	PPM	PPM		
8721	19.8	.04	100	56	20	5	.03	.7	5	453	7222	4.71	.01	.01	78	3	.01	27	.01	131	ND	ND	ND	378	ND	ND	2	ND	4	20%
8722	8.4	.14	22	6	54	7	.08	1.0	2	105	44	1.56	.01	.01	98	51	.01	8	.01	457	ND	ND	26	ND	ND	5	9	ND	49%	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	2	1	5	3	1	



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NORTH VANCOUVER, B C V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST
VANCOUVER, B C V5L 1L6
(604) 251-5656

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JOB NUMBER: 870637

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PAGE 1 OF 1

SAMPLE #	Au ppb
87-27B	3185
87-30	2295
87-31	14365
87-32	6620
87-33	2160
87-34	4660
87-35	1885
87-37	1850

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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VANCOUVER, B.C. V5L 1L6
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JOB NUMBER: B70637

MR. PETER NEWMAN

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SAMPLE #	Au oz/st
87-27B	.093
87-30	.067
87-31	.419
87-32	.193
87-33	.063
87-34	.136
87-35	.055
87-37	.054

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: _____

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ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS ANALYZED FOR SR, NH, FE, CA, P, CR, MG, MN, Pb, AL, NA, K, H, PT AND SO4. AU AND PD DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, - = NOT ANALYZED

COMPANY: PETER NEWMAN
 ATTENTION:
 PROJECT:

REPORT#: PA
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 INVOICE#: NA

DATE RECEIVED: 87/07/14
 DATE COMPLETED: 87/07/24
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ANALYST: *W. Taylor*

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CB	CD	CR	CU	FE	K	MG	MN	MO	NA	NL	P	PS	PD	PT	SB	SH	SR	U	V	ZN	
	PPM	Z	PPM	PPM	PPM	PPM	Z	PPM	PPM	PPM	PPM	Z	Z	Z	PPM	PPM	Z	PPM	Z	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM		
87-27E	4.4	.20	49	4	12	9	.02	.1	7	232	282	3.82	.06	.03	222	24	.10	11	.03	14	ND	ND	ND	92	1	3	ND	ND	37
87-30E	5.3	.20	39	4	13	7	.01	.1	5	202	354	3.63	.08	.02	185	9	.14	5	.06	12	ND	ND	125	2	4	ND	ND	29	
87-31E	10.5	.18	6	11	16	19	.01	.1	6	250	30	5.32	.08	.01	45	32	.12	11	.02	ND	ND	ND	12	1	3	ND	ND	16	
87-32E	6.0	.25	31	8	18	7	.01	.1	3	159	261	10.89	.11	.01	41	21	.28	15	.07	6	ND	ND	94	3	3	ND	ND	56	
87-33E	1.5	.02	ND	ND	1	7	.01	.1	1	336	ND	.73	.04	.01	38	22	.01	6	.01	ND	ND	ND	4	4	ND	ND	5	2	
87-34E	6.1	.36	17	5	20	9	.01	.1	7	202	61	6.49	.10	.01	110	190	.15	5	.04	12	ND	ND	ND	5	1	3	ND	ND	22
87-35E	1.5	.07	ND	ND	5	ND	.01	.1	4	302	14	1.16	.05	.01	36	35	.02	5	.01	ND	ND	ND	3	3	ND	ND	3	4	
87-37E	.6	.05	ND	ND	2	ND	.01	.3	5	234	14	.55	.04	.01	88	2	.01	5	.01	3	ND	ND	4	ND	ND	8	5	4	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	1	5	3	1

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PHONE: (604)980-5814 DR (604)988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

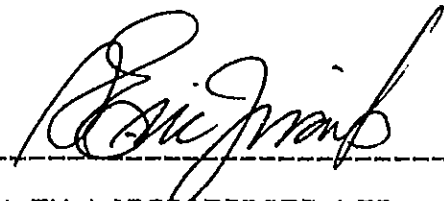
Company: P. NEWMAN
Project:
Attention: P. NEWMAN

File: 7-1321/P1
Date: SEPT 14/87
Type: PULP GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
8731	12000
8732	6000

Certified by _____



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TELEX:VIA USA 7601067 UC

Certificate of ASSAY

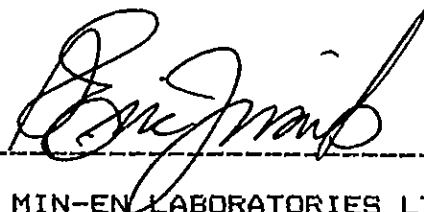
Company:P. NEWMAN
Project:
Attention:P. NEWMAN

File:7-1321/P1
Date:SEPT 14/87
Type:PULP ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
B731	15.20	0.443
B732	7.10	0.207

Certified by _____



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MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 996-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-6656

REPORT NUMBER: 870714 GA

JOB NUMBER: 870714

MR. PETER NEWMAN

PAGE 1 OF 1

SAMPLE #

Au

3980

ppb

4400

nd

8741

nd

8742

nd

DETECTION LIMIT
nd = none detected

5

-- = not analysed

is = insufficient sample

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7H 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

Aurum

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM


Company: P. NEWMAN
Project:
Attention: P. NEWMAN

File: 7-1321/P1
Date: SEPT 14/87
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
8744	2
8745	1
8746	2
8747	5
8748	3
8749	2

Certified by


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MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5856

REPORT NUMBER: 871938 8A

JOB NUMBER: 871938

MR. PETER NEWMAN

PAGE 1 OF 1

SAMPLE #	Au
8750	2290
8752	345
8754	150
8755	90
8762	62000

DETECTION LIMIT
nd = none detected

S
-- = not analysed

is = insufficient sample



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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V6L 1L6
(604) 251-5656

REPORT NUMBER: 871938 AA

JOB NUMBER: 871938

MR. PETER NEWMAN

PAGE 1 OF 1

SAMPLE #

Au
oz/st

8762

1.945

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppa

.005

1 ppa = 0.0001Z

ppa = parts per million

< = less than

signed: _____



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MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 886-5211 TELEX: 04-352578

BRANCH OFFICE
1830 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871939 GA

JOB NUMBER: 871939

MR. PETER NEWMAN

PAGE 1 OF 1

SAMPLE #	Au
	ppb
S 4 - 87	6050
S 29 - 1	15
S 29 - 2	165
S 29 - 3	390
S 29 - 4	1700
S 29 - 5A	140
S 29 - 5B	30
S 29 - 6	15
S 29 - 7	10
S 29 - 8	15
S 29 - 9	10

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: P. NEWMAN
Project:
Attention: P. NEWMAN

File: 7-1321/P1
Date: SEPT 14/87
Type: SOIL GEOCHEM

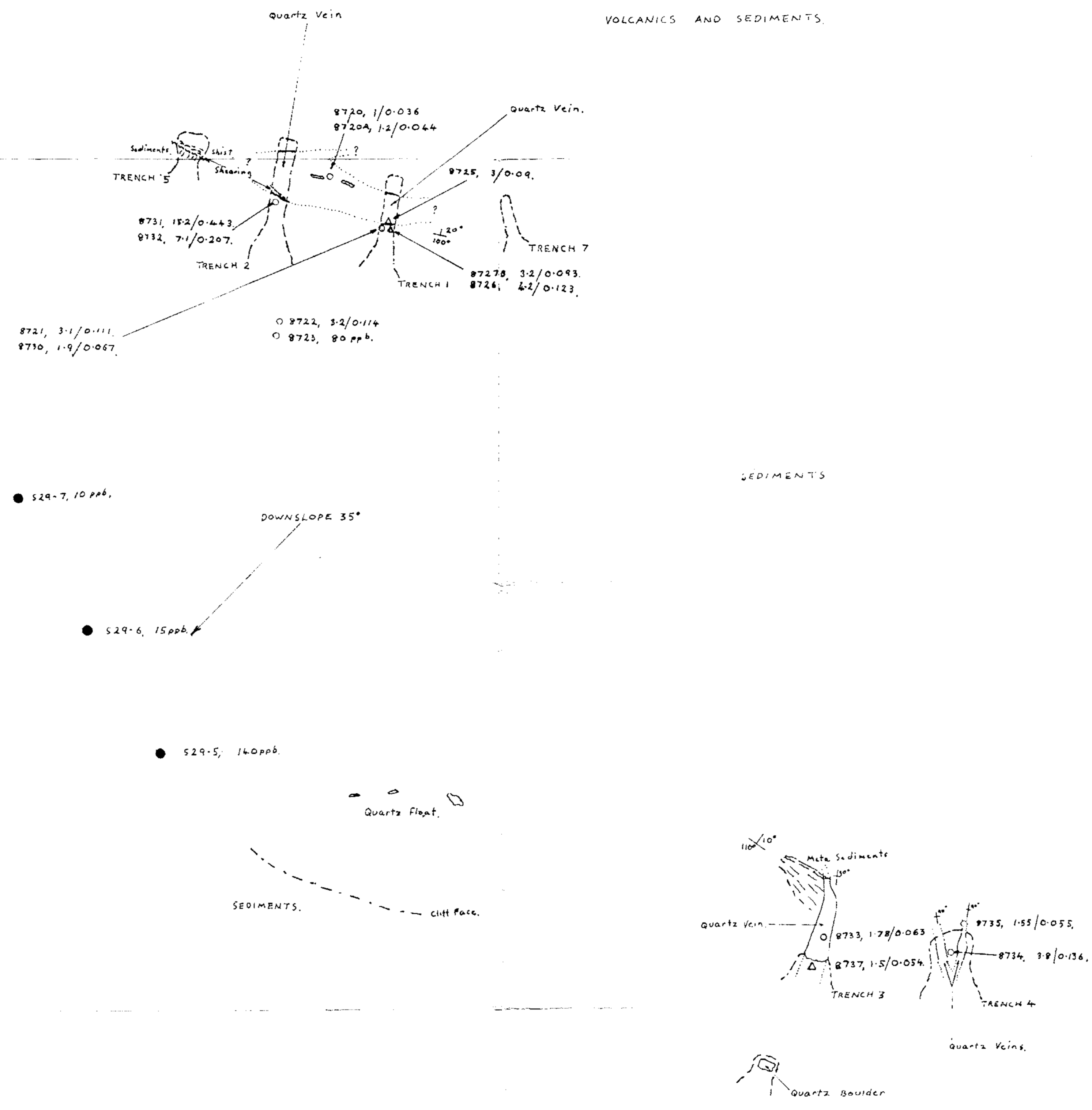
We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
6 187	1

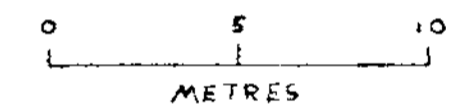
Certified by _____


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MAP 4. MAIN QUARTZ VEIN AND TRENCH AREA



SCALE

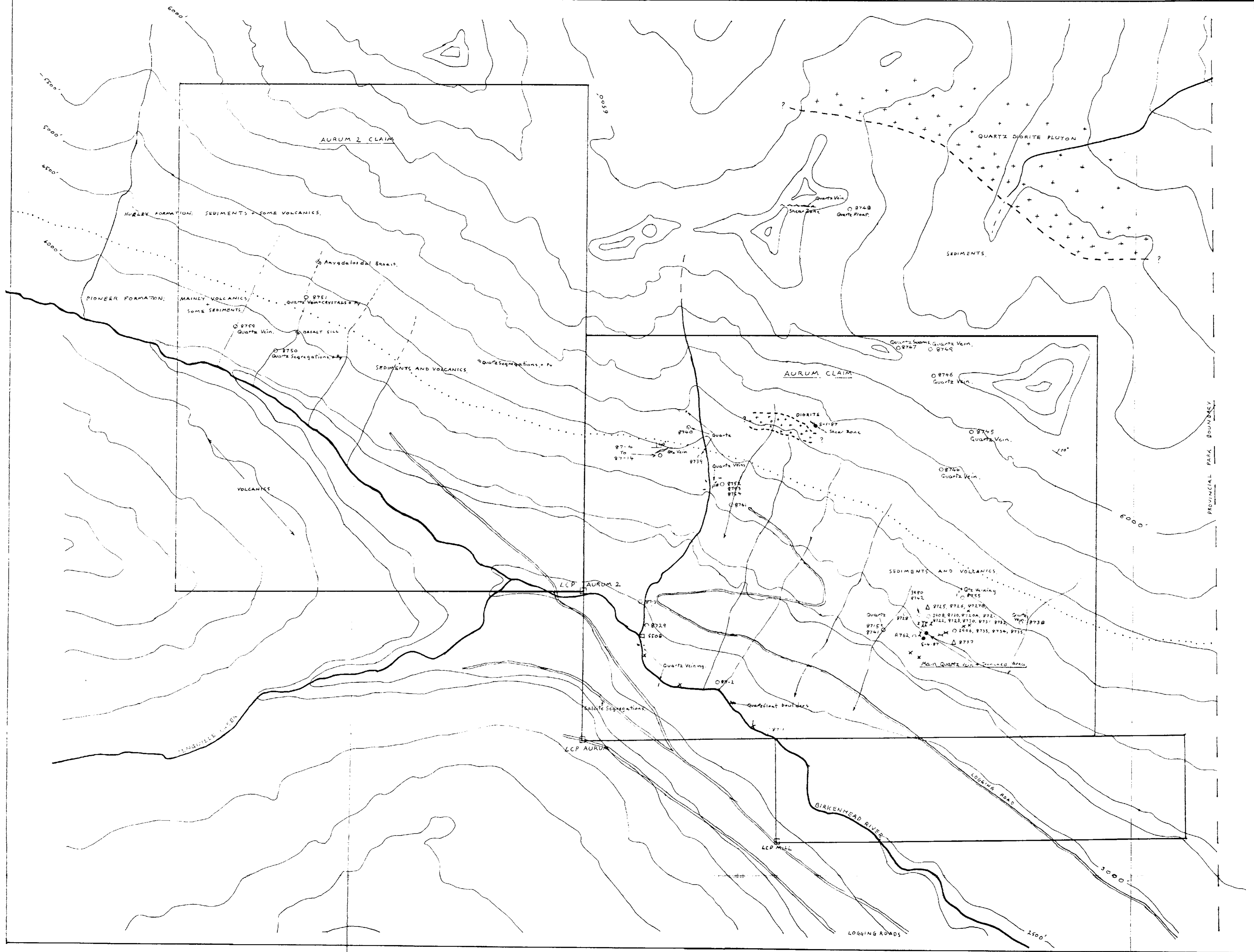


1:200

LEGEND	
○	GRAB SAMPLES + RESULTS, AU
△	CHIP SAMPLES + RESULTS, AU
●	SOIL SAMPLES + RESULTS, AU PPB.
---	TRENCH BOUNDARY
[Hatched Box]	SEDIMENTS
---	QUARTZ VEIN

GEOLOGICAL BRANCH ASSESSMENT REPORT

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MAP 3
 REGIONAL PROPERTY GEOLOGY AND
 SAMPLE LOCATION MAP



SCALE



1:8000

LEGEND	
[Stippled Box]	DIORITE
[Dotted Line]	GEOLOGICAL BOUNDARY
[Circle]	GRAB SAMPLE LOCATION
[Triangle]	CHIP SAMPLE LOCATION
[Dot]	SOIL SAMPLE LOCATION
[Cross]	QUARTZ FLOAT BOULDER LOCATION
[X]	TRENCH LOCATION
[Square]	SILT SAMPLE LOCATION

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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