

84-1097(b)-13217

GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

RICHTER CLAIMS

located in the

OSOYOOS MINING DIVISION

N.T.S. 82E/3E

49°04' N latitude & 119°33' W longitude

owned by:

PETER PETO
125 Bassett Street
Penticton, B.C. V2A 5W1

written by:

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

P. PETO, Ph.D.

13 November 1984

13,217

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INTRODUCTION

The Richter Claims were staked on the basis of Dr. Dirk Templeman-Kluit of the G.S.C. who observed that an auriferous silicified shear zone occurred between the Osoyoos granite and Kobau metasediments along Richter Pass. The claims, consisting of 6 units were recorded on 23 March 1984 under number 1998. They are situated 8 km northwest of Osoyoos on the west side of Highway #3 along the old Richter Pass road (figure 1). The claims were sampled by the writer on 25 February, by cominco and the writer on 11 May and a total of 12 soils and 19 rocks were analyzed. The writer also conducted 3.55 km of VLF-EM survey on 25 October 1984.

GEOCHEMICAL SAMPLING

Rock chip samples were collected from silicified outcrops and roadcuts but these yielded very low precious metal values. The best values of 300 and 172 ppb Au were obtained from a rusty shear zone in altered granite exposed in a ditch at sample site 51261 and R#2 which also showed anomalous values in copper and silver. A soil orientation survey over the zone indicated apparently anomalous concentrations of Cu, Ag and As. Preliminary sampling suggests that mineralized, north trending, cross structures may occur along the main west trending granite Kobau contact zone. Geochemical sample locations are shown in figure 2 and analyses are listed in appendix 1.

VLF-EM SURVEY

A VLF survey using a Crone Radem instrument tuned to Seattle, Washington (18.6 Kc) was carried out over the contact zone by the writer on 25 October 1984. The results of the survey, shown in figure 3 indicate an irregular, WNW trending conductor which appears to follow the main contact zone. More importantly, the conductor coincides with the rock chip gold anomaly at station 50 E. This suggests that the mineralized shear is conductive and VLF is a useful tool for its delineation.

INTERPRETATION

The technical data suggests that a conductive, WNW trending structure carries low concentrations of gold, silver and copper and more exploration is warranted.

ITEMIZED COST STATEMENT

(1)	Provision of P. Peto: 3 days @ \$200/day.....	\$600.00
(2)	Vehicle use: 240 km @ 15¢/km.....	36.00
(3)	VLF Rental: 1 day @ \$30/day.....	30.00
(4)	Food: 3 days @ \$20/day.....	60.00
(5)	Analytical	
	P. Peto: 6 rocks @ \$7.60/sample.....	45.60
	Cominco: 4 rocks @ \$5.50/sample.....	22.00
	Billiton: 9 rocks @ \$11.75/sample.....	105.75
	" :12 soils @ \$9.60/sample.....	115.20
(6)	Freight.....	12.35
(7)	Report Preparation.....	200.00
	TOTAL	<u>\$1226.90</u>

Respectfully submitted,

Peter Peto

Peter Peto, Ph.D., F.G.A.C.



CERTIFICATE OF QUALIFICATION

I, Peter S. Peto, of 125 Bassett Street, town of Penticton, Province of British Columbia, DO HEREBY CERTIFY:

That I am a consulting geologist with a business address at 125 Bassett Street, Penticton, British Columbia, V2A 5W1.

That I am a graduate of the University of Alberta where I obtained my B. Sc. degree in geology in 1968 and my M.Sc. in geology in 1970 and that I am a graduate of the University of Manchester where I obtained my doctoral degree in geology in 1975.

That I am a fellow of the Geological Association of Canada.

That I have practiced my profession actively since 1975 in the province of British Columbia.

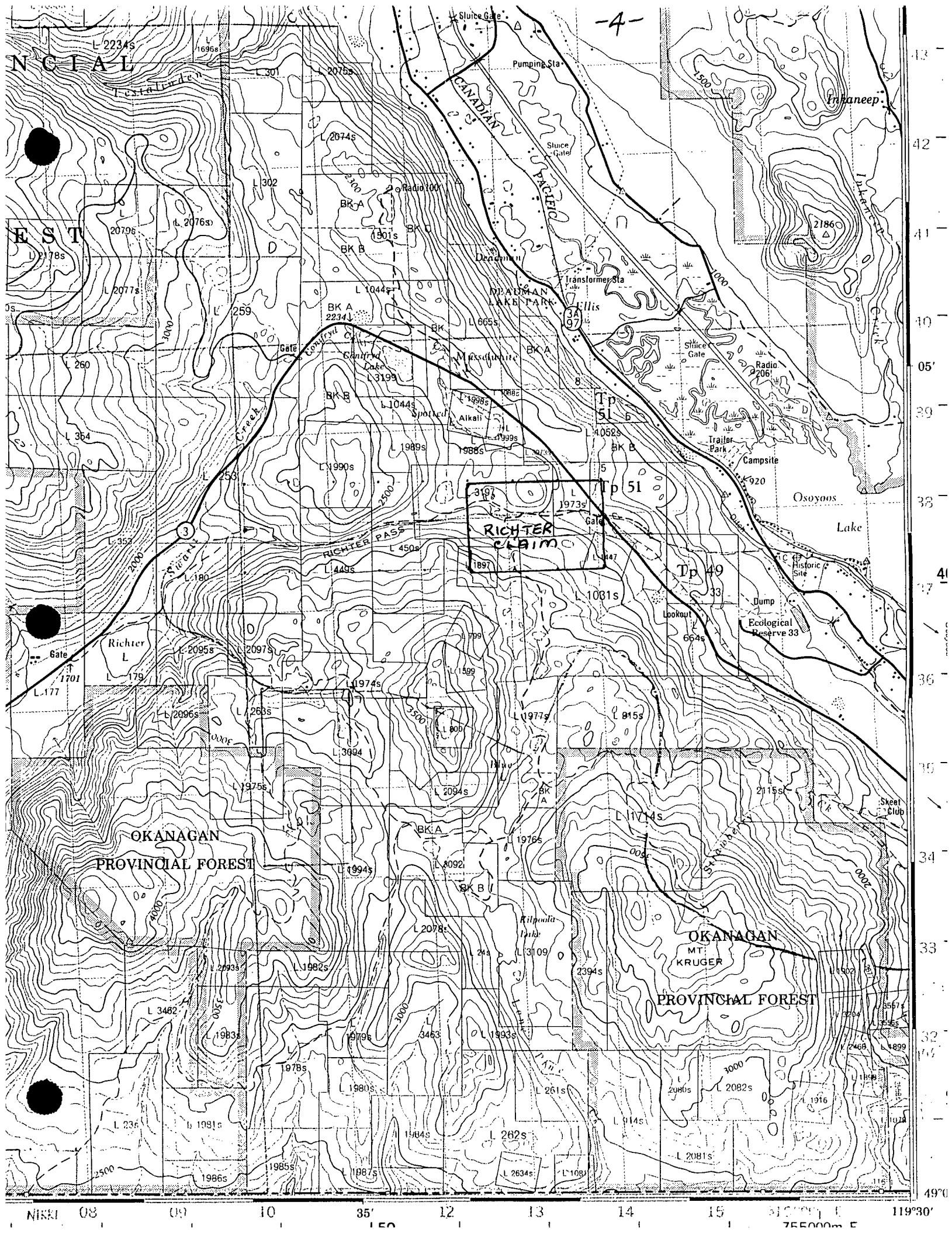
That I have no interest in the _____ properties nor in the securities of _____, nor do expect to receive any.

That the information contained in this report is a result of my field investigation and from other sources made available to me and there is no material change in the status of this report as of this date.

That I hereby consent to the publication of my report entitled _____, in a prospectus or statement of material facts.

Dated this 13 day of November, 1984 at Penticton, B.C.

Peter Peto
Peter Peto, Ph.D., F.G.A.C.



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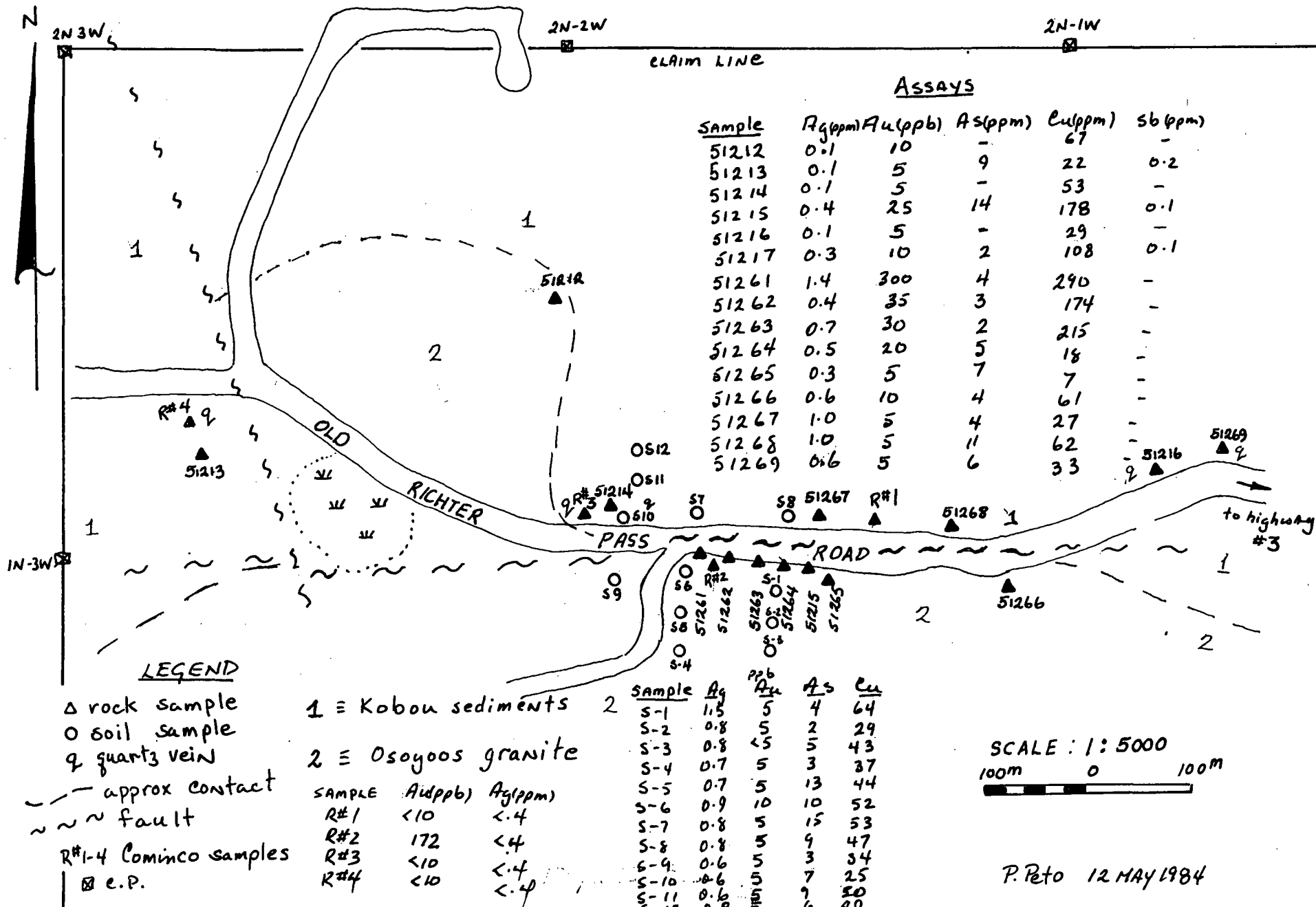
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FIGURE 2: RICHTER CLAIMS SAMPLE LOCATIONS



ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED MAR 5 1984
DATE REPORTS MAILED 8 Mar 1984

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PRULVERIZED TO -100 MESH.
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER B. Jiang for DEAN TOYE, CERTIFIED B.C. ASSAYER

PETER PETO PROJECT # CONKLE FILE # 84-0288 PAGE# 1

SAMPLE	AU* PPB
51212	5
51213	5
51214	5
51215	30
51216	5
51217	5
51218	5
51219	5
51220	5
51221	5
51222	5
51223	5
51224	5
51225	5
51226	5
51227	5

Richter

FAIRVIEW

JOB 084 -

OLIVER, B.C.

Hole 84-3

REPORTING DATE 25 MAY 1984

SAMPLE NUMBER	FIELD NUMBER	AU PPB	WT AU GRAM	AG PPM	FE %	PB PPM	ZN PPM	CU PPM	
RB4 09418	RICHTER #1	<10	5	<.4					≈ 400' from Sa
RB4 09419	RICHTER #2	172	5	<.4					≈ 350' from Sa
RB4 09420	RICHTER #3	<10	5	<.4					≈ 1200' from Sa
RB4 09421	RICHTER #4	<10	5	<.4		6	9	13	≈ 100' W of pool

WHERE ANALYSIS REQUESTED BUT NO VALUES SHOWN, RESULTS ARE TO FOLLOW

E - VALUE EXCEEDS OPTIMUM WORKING RANGE, ESTIMATE ONLY) REQUEST ASSAY IF PRECISE VALUE REQUIRED

ANALYTICAL METHODS

AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
 AG FE Pb Zn CU AQUA REGIA DECOMPOSITION / AAS
 Wt AU THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

.005 03

.034 03

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

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATECOMPANY BILLITON CANADA LTD.
CCT 903-05-03 PO 1842
ATTENTION J R ATKINSONFILE NO 4-270
DATE MAY 23/84

We hereby certify that the following are the results of the geochemical analysis made on 12 samples submitted. (Soil)

SAMPLE NUMBER	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU PPM
1	64	21	70	1.5	4	5
2	29	10	56	0.8	2	5
3	43	14	52	0.8	5	<5
4	37	10	55	0.7	3	5
5	44	13	52	0.7	13	5
6	52	12	45	0.9	10	10
7	53	16	63	0.8	15	5
8	47	14	52	0.8	9	5
9	34	12	48	0.6	3	5
10	25	14	49	0.6	7	5
11	50	15	62	0.6	9	5
12	49	14	58	0.8	6	5

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: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATECOMPANY BILLITON CANADA LTD.
ACCT 903-05-03/PO 1842
ATTENTION J. R. ATKINSONFILE NO 4-270
DATE MAY 24/84

We hereby certify that the following are the results of the geochemical analysis made on 25 samples submitted. (Rocks)

SAMPLE NUMBER	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU PPM	Gram
51261	290	10	26	1.4	4	300	
51262	174	6	27	0.4	3	35	
51263	215	10	26	0.7	2	30	
51264	18	7	16	0.5	5	20	
51265	7	5	23	0.3	7	5	
51266	61	12	26	0.6	4	10	
51267	27	20	47	1.0	4	5	
51268	62	24	83	1.0	11	5	
51269	33	12	15	0.6	6	5	

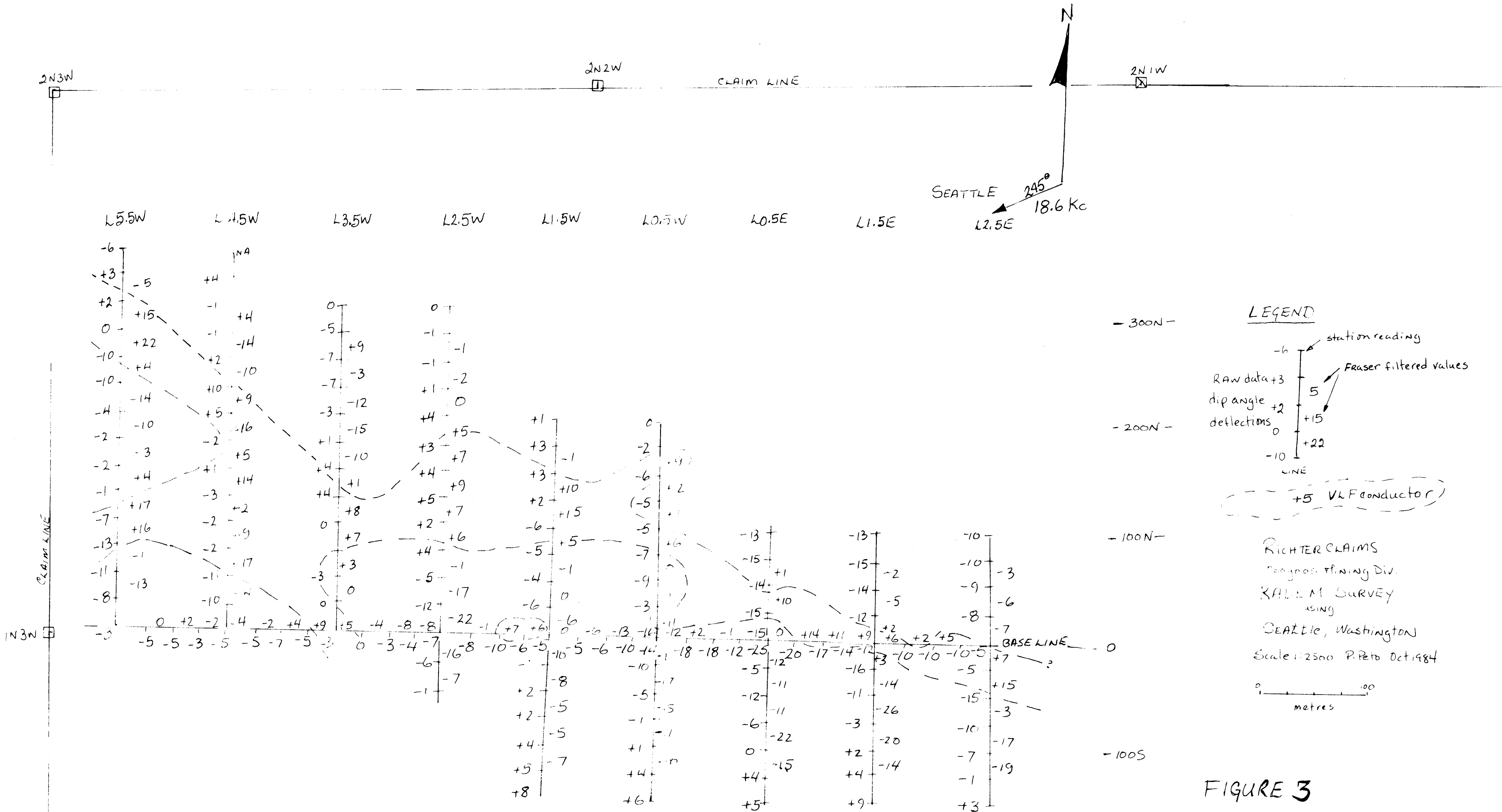


FIGURE 3



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