

PROSPECTING REPORT

ON THE

CONKLE CLAIMS

located in the

OSOYOOS MINING DIVISION

N.T.S. 82E/12E

49°35' N Latitude & 119°42' W Longitude

owned by:

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

written by: **GEOLOGICAL BRANCH**

P. PETO, Ph.D. ASSESSMENT REPORT

10 November 1984

13,218

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ham loops

BRITISH COLUMBIA MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT COVER SHEET

Name Conkle Fig. No.

Mining Inventory Nos. NTS

Lat. 49° 35' Long. 119° 42' NTS 82E/12E

Mining Division Osoyoos Location

Claims (Central Records) Conkle 1-5
Claims (total)

Owner 1. Peter Peto 2.
Address 125 Bassett Street, Penticton, B.C. V2A 5W1

Operator 1. same 2.
Address

Owner/Operator 3.

Metals

Geological description The claims cover a portion of the Summerland or Trout Creek fault system in granitic rocks. The silicified fault zone is believed to host precious metal mineralization. However, geochemical results are low and further work is not warranted at this time.

References
Work done geochemical

Type Amount Claims Worked On

Rock 44, multielement Conkle 4

Author(s) P. Peto

Aff. date 2 March 85 Year of work 1984 To geology

Attention Information class 4

Comments Very cursory

	Name of PAC Account	Amount
Value work done (from report)		1628.85
Value of work approved	<u>P. Peto</u>	+1628.85
Value claimed (from statement)	<u>PAC</u>	
Value credited to PAC account		1628.85
Value debited to PAC account		

Accepted TEK Date 16 July 85 Report No. 84-1097(c)-13218

NTS

INTRODUCTION:

The Conkle 1-5 claims, comprising some 21 units recorded on 29 February and 2 March 1984 under record numbers 1980 to 1984 respectively are located along the north side of Trout Creek about 7 km southwest of Summerland (figure 1). The claims cover the western slopes of Mount Conkle and the Trout Creek canyon and are easily accessed by road from Summerland or Trout Creek.

The claims were staked on the recommendation of Dirk-Templeman-Kluit of the G.S.C. who discovered a low angle, silicified fault zone believed to be a favourable host for precious metal mineralization. The writer spent three days prospecting the Trout Creek Canyon and sampling the fault zone on 1, 17 March and 26 April, 1984. I also persuaded several mining companies to examine the claims and collect additional samples. as a result, property tours were given to John Deighton of Utah Mines on 12 April, Tom Chandler of Falconbridge Copper Mines on 20 April, Dave Fletcher of Asarco and Jim Atkinson of Billiton on 8 May 1984. A total of 44 chip samples were taken, analyzed and the results are reported herein.

SAMPLING DATA & INTERPRETATION

Rock-chip samples 51218 to 51227, collected by Peter Peto as shown in Figures 2 and 3, were initially assayed by Acme for gold and all returned values of 5 ppb. These and additional samples 51229 to 51240 were then submitted to Chevron Canada Resources and Analyzed for Cu, Mo, Pb, Zn, Ag, As, Sb and Au by Chemiz Labs using AA methods. The Quartz-carbonate fault zone was thereafter resampled by Asarco and Utan as shown in figure 3 and by Falconbridge Copper as shown in figure 4. These samples were submitted to Acme Analytical and submitted for multielement analysis by I.C.P., fire assay and AA. Akl analyses are listed in Appendix. Due to the large number of chemical analyses per sample and due to negligible concentrations of economic metals, results are not duplicated in figures 2, 3 and 4.

The present sampling data not only indicate negligible precious metal values but also very low concentrations of associated pathfinder elements such as Mo, As, Sb, Bi, B, Hb and Tl. In conclusion, there is an encouragement to carry out further exploration on the Conkle claims.

ITEMIZED COST STATEMENT

Provision of P. Peto 4 days @ \$200/day.....	\$800.00
Vehicle use (5 trips) 179 km @ 15¢/km.....	26.85
Chemical Analysis:	
P. Peto: 10 gold assays @ \$6.75/sample.....	67.50
Chevron: 20 samples by AA & FA @ \$10.75/sample.....	215.00
Asarco: 6 samples by I.C.P., AA & FA+AA.....	103.50
Falconbridge: 9 samples by I.C.P., AA & FA+AA.....	191.25
Freight.....	24.75
Report preparation & materials.....	200.00
	<hr/>
TOTAL COSTS	<u>\$1628.85</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 10 day of *November, 1984* at Penticton, B.C.

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

TROUT CREEK PROSPECT AREA

LOCATION: The prospect area is located west of Summerland, a distance of 7 km along the lower Trout Creek drainage, N.T.S. 82E/12W; 49°35'N latitude and 119°42'W longitude.

PROPERTY DEFINITION: Mineral rights are held by means of the Conkle #1 to #5 claims comprising 21 units recorded in the Osoyoos Mining Division on 29 February & 2 March, 1984, under record numbers 1980 to 1984 respectively.

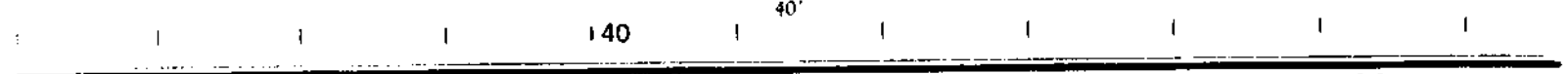
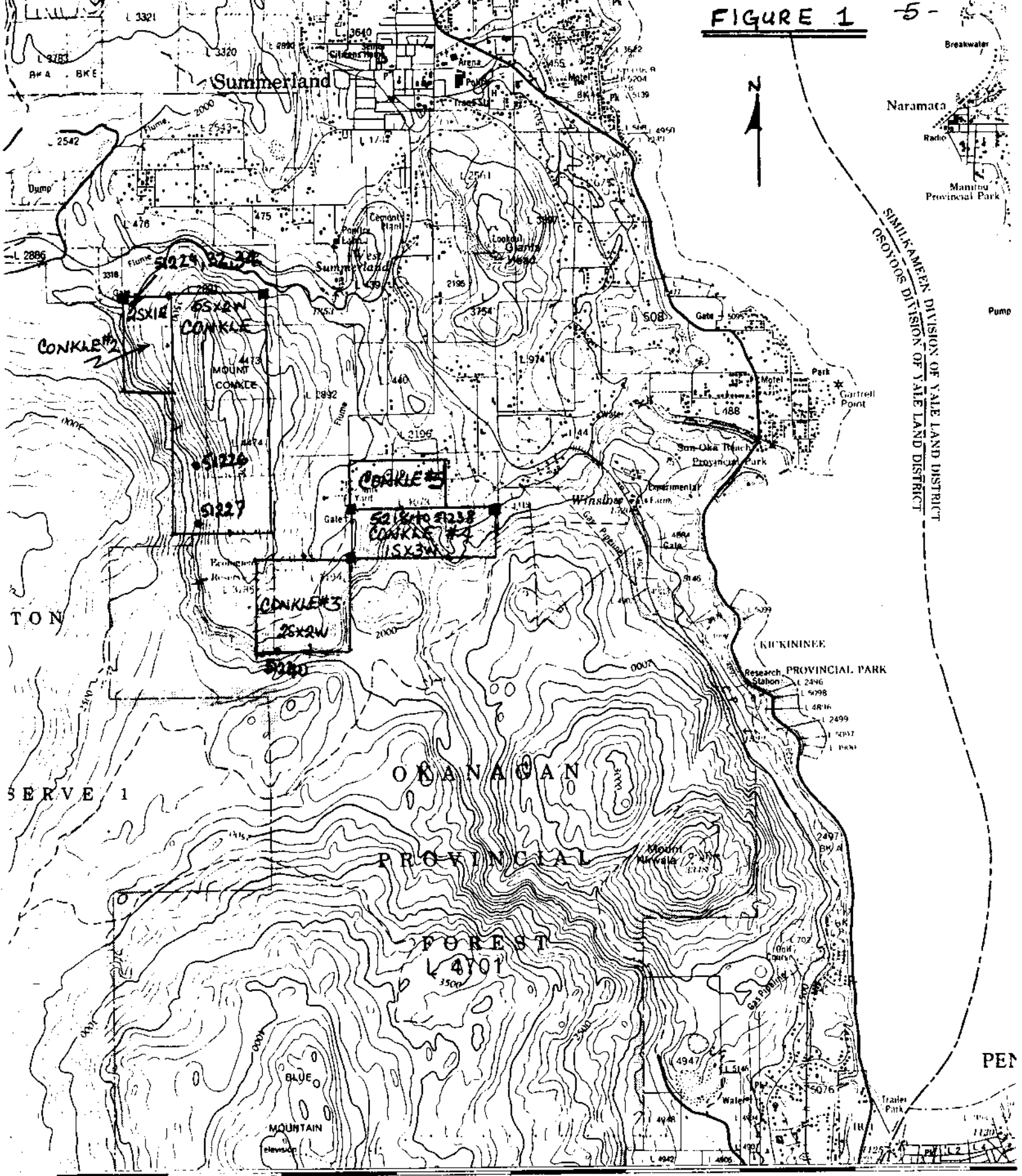
PROPERTY HISTORY: The first mineral prospect documented in the area was the Kelly Silver showing (MINFILE: 82E/28NW) upon which a 120 foot adit was driven along a silicified shear zone in altered granites (B.C.D.M. Annual Report (1906) p.172) which yielded assays as high as 100 oz/T silver. A similar prospect, known as the Bathfield Silver Lode (MINFILE: 82E/31NW) is situated further west along Trout Creek (G.S.C. paper 37-21, p.24). The area has also been subjected to uranium exploration in the latter seventies due to **anomalous concentrations** of U and F in groundwaters.

PROPERTY GEOLOGY: The claims are underlain by highly fractured and altered granitic rocks of the Middle Jurassic Okanagan batholith. These are unconformably overlain by a succession of eocene clastic sediments, ash flows, and alkaline lavas belonging to the White Lake formation. Church (1977) has suggested that geological configuration of the Summerland basin is indicative of a resurgent collapsed caldera. Templeton-Kluit (1984), however, has suggested that the Summerland fault represents a major tertiary detachment zone along which the Okanagan granitic and Summerland volcanic complexes, have been decoupled, by extensional tectonics, from the Monashee foreland to the east. The upper trailing edge of these tectonically distributed detachment zones form favourable loci for precious metal mineralization along the Okanagan suture as evidenced by the McKinney, Fairview and Dusty-Mac gold camps.

PROPERTY GEOLOGY: The Conkle claims have been staked to cover the Summerland or Trout Creek fault systems which host highly fractured and altered granitic rocks which could host precious metal deposits along silicified detachment zones or circumferential faults adjacent to the Summerland caldera. In any case, thick, silicified fault zones are exposed on the Conkle #4 claim and might well occur elsewhere within the claim area. A program of geological prospecting and geochemical sampling is suggested to test the precious metal potential of the claim area.

REFERENCES CITED:

Church (1977), Geological fieldwork p.11-15



AND IBIA 1:50,000 Scale Summerland 82E/12W CLAIM LOCATION MAP

CONVERSION SCALE FOR ELEVATIONS ÉCHELLE DE CONVERSION DES ÉLÉVATIONS
 Metres 30 20 10 0 50 100 150 200 250 300 Metres 30654

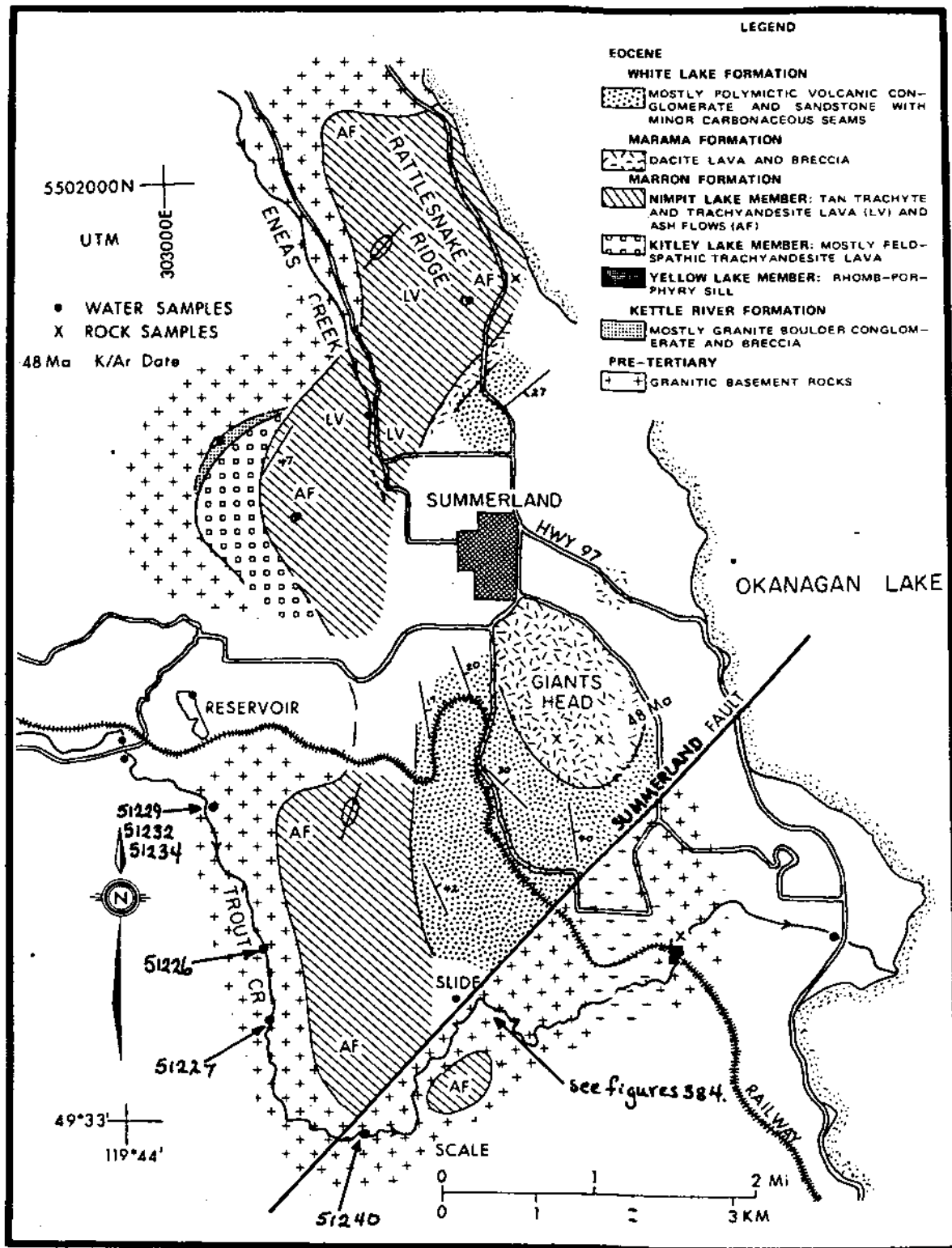
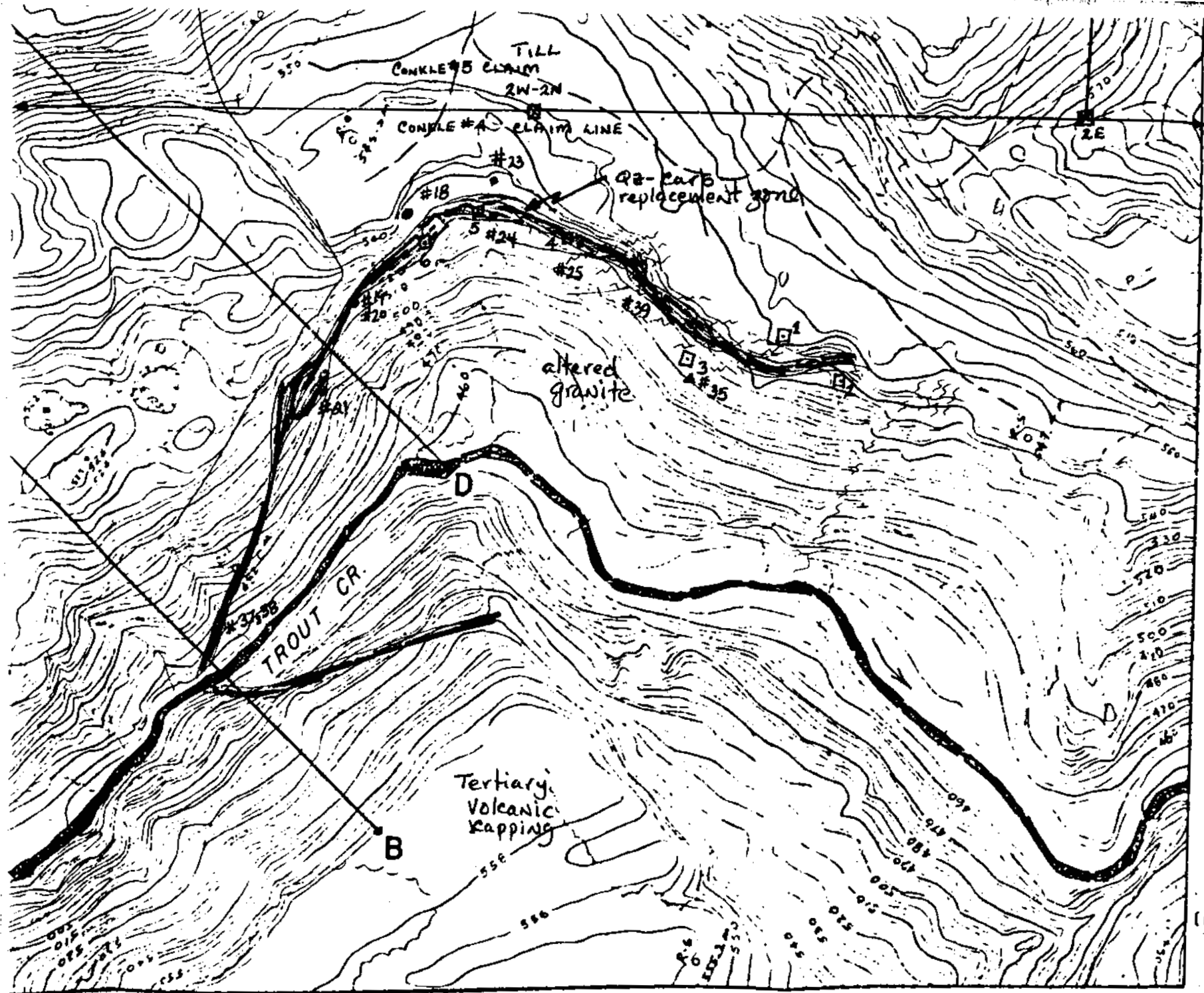


Figure 2. Geology of the Summerland cañons.

FIGURE 2: Geology MAP

from: Church(1977)



Samplers:

- # 18 - #39
- P. Peto
1 March 1984
- Utah \square #1-5
12 April 1984
- Falconbridge
18 Apr. 1984
(see figure #4)
- ASARCO \square #1-6
8 May 1984

\square claim posts

CONKLE #4
CLAIM

FIGURE 3

Sample locations
Rock chips
(modified from
Water Resources
Service, 1975)

— approximate boundary of sliding mass

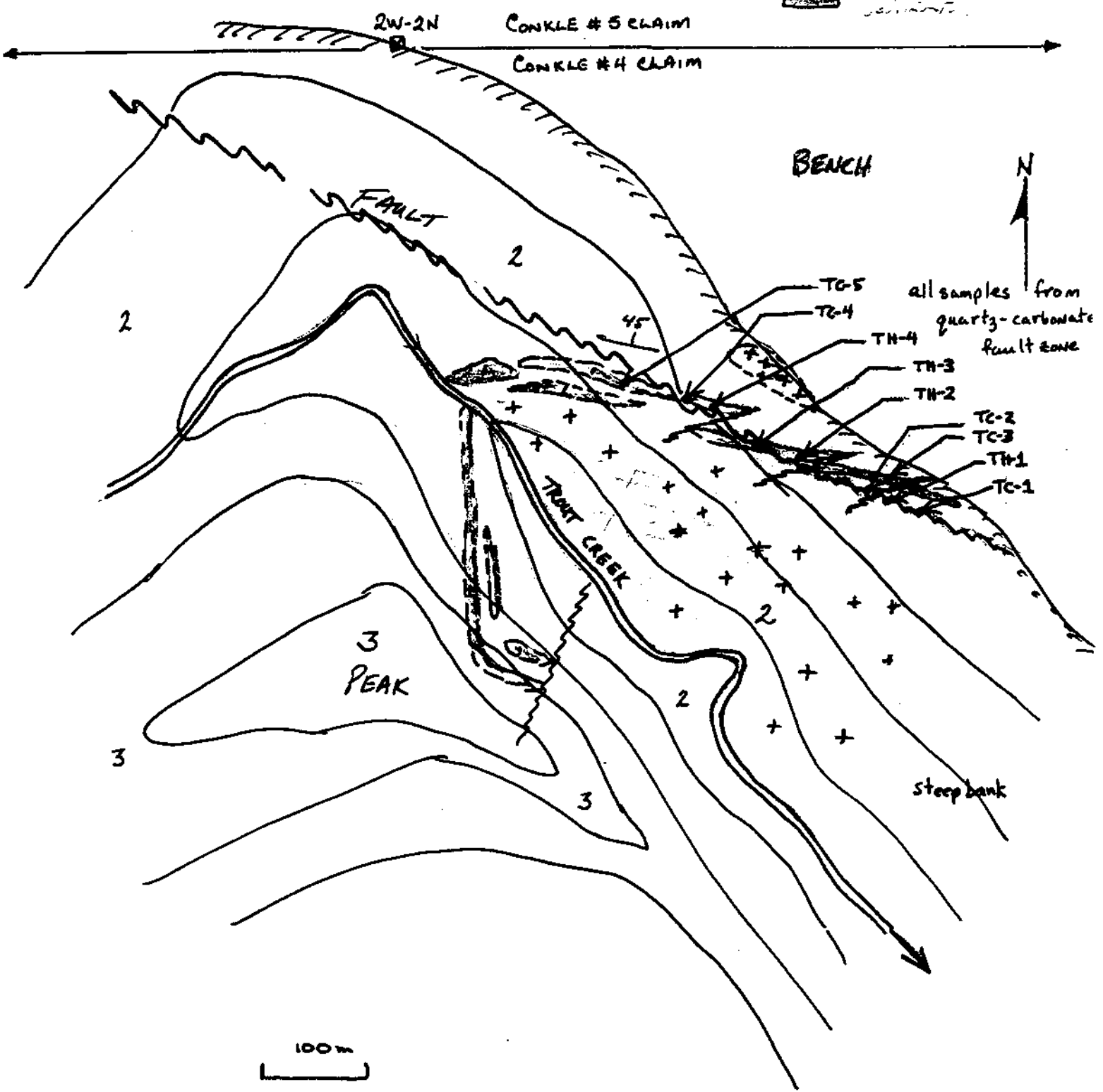
Scale = 1:2500

Contour Interval = 2 Metres

Photography Date = Sept. 13, 1970

Photo No. = BC 5401:66-67

- 3 Volcanics
- 2 Granite Gneiss
- Metasediments



LOCATION SKETCH
CONKLE CLAIMS, PENTICTON

FIGURE 4 (Falconbridge)

Apr/84
T. CHANDLER

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
<i>Richter claims</i>	51212	5
	51213	5
	51214	5
	51215	50
	51216	5
	51217	5
	51218	5
	51219	5
	51220	5
	51221	5
<i>Conkle claims</i>	51222	5
	51223	5
	51224	5
	51225	5
	51226	5
	51227	5



CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C
CANADA V7J 2C1

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221
TELEX: 043-52597

CERTIFICATE OF ANALYSIS

TO : CHEVRON CANADA RESOURCES LTD.
MINERALS STAFF
1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

CERT. # : A8411592-001-
INVOICE # : I8411592
DATE : 8-MAY-84
P.O. # : NONE
PETER PETO "CONKLE"

SUBMITTAL TO R. BRUASET + E. DODSON M-526

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	AS ppm
51212	214	67	1	1	35	0.1	--
51213	214	22	1	1	49	0.1	9
51214	214	53	1	1	41	0.1	--
51215	214	178	1	2	33	0.4	14
51216	214	29	1	1	20	0.1	--
51217	214	102	1	1	30	0.3	2
51218	214	31	18	12	133	0.1	--
51219	214	27	9	2	74	0.1	2
51220	214	25	8	2	68	0.1	--
51221	214	36	26	2	65	0.1	1
51222	214	50	6	2	74	0.1	--
51223	214	26	14	120	111	11.5	3
51224	214	28	9	4	55	0.5	--
51225	214	44	30	1	67	0.4	45
51226	214	200	3	1	45	0.3	--
51227	214	54	2	1	58	0.3	2

*Plut
Samples
analyzed
by
Ame*

*marked samples to be assayed for gold. See attached
A 8411 779-001*



Certified by *Kou J...*



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CERT. # : A8411592-001-
INVOICE # : 18411592
DATE : 8-MAY-84
P.O. # : NONE
PETER PETO "CONKLE"

MS26

Sample description	Prep code	Sb ppm						
51212	214	--	--	--	--	--	--	--
51213	214	0.2	--	--	--	--	--	--
51214	214	--	--	--	--	--	--	--
51215	214	0.1	--	--	--	--	--	--
51216	214	--	--	--	--	--	--	--
51217	214	0.2	--	--	--	--	--	--
51218	214	--	--	--	--	--	--	--
51219	214	0.1	--	--	--	--	--	--
51220	214	--	--	--	--	--	--	--
51221	214	0.1	--	--	--	--	--	--
51222	214	--	--	--	--	--	--	--
51223	214	0.1	--	--	--	--	--	--
51224	214	--	--	--	--	--	--	--
51225	214	0.1	--	--	--	--	--	--
51226	214	--	--	--	--	--	--	--
51227	214	0.3	--	--	--	--	--	--



Certified by *Ken Ferguson*

Petose



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VANCOUVER, B.C.
V6E 2E9

CERT. # : A8411593-001-
INVOICE # : I8411593
DATE : 17-MAY-84
P.O. # : NONE
PETER PETO "CONKLE"

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	AS ppm
51228 <i>Large Silver</i>	205 <i>lead</i>	90	2	690	178	7.5	7
51229 <i>Rock chip</i>	205	32	2	36	145	4.3	--
51232 <i>Rock chip</i>	205	11	2	4	105	0.1	1
51234 <i>Rock chip</i>	205	18	3	42	148	1.8	--
51235 <i>Rock chip</i>	205	2	1	7	42	0.1	1
51236 <i>Rock chip</i>	205	18	9	1	65	0.1	--
51237 <i>Rock chip</i>	205	8	10	2	57	0.1	1
51238 <i>Rock chip</i>	205	28	46	57	126	0.2	--
51239 <i>Rock chip</i>	205	13	11	4	90	0.1	1
51240 <i>Rock chip</i>	205	15	11	25	102	0.1	--
51241 <i>Rock chip</i>	205	205	11	>10000	10000	39.0	190

Rock chip samples

Rock chip samples of mostly intrusive Qz veins with pyrite &

PbS noted



Certified by *John D. ...*



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V6E 2E9

CERT. # : A8411593-001-
INVOICE # : 18411593
DATE : 17-MAY-84
P.O. # : NONE
PETER PETO "CONKLE"

Sample description	Prep code	Sb ppm	Au NAA ppb				
51228 <i>Sample</i>	205	20.0	13	--	--	--	--
51229	205	--	4	--	--	--	--
51232	205	1.0	<1	--	--	--	--
51234	205	--	8	--	--	--	--
51235	205	0.4	<1	--	--	--	--
51236 <i>Sample</i>	205	--	<1	--	--	--	--
51237	205	0.5	9	--	--	--	--
51238	205	--	<1	--	--	--	--
51239	205	0.2	<1	--	--	--	--
51240	205	--	<1	--	--	--	--
51241 <i>Sample</i>	205	28.0	300	--	--	--	--



Certified by *Hawisichler*

R.B.



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CANADA V7J 2C1
TELEPHONE: (604) 984-0221
TELEX: 043-52597

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1900 - 1055 W. HASTINGS ST.
VANCOUVER, B.C.
V6E 2E9

CERT. # : A8411799-001-
INVOICE # : I8411799
DATE : 21-MAY-84
P.O. # : NONE
PETER PETO "CONKLE"

4526.

Sample description	Prep code	Au ppb FA+AA						
51215	214	25	--	--	--	--	--	--
51217 <i>f. Richter</i>	214	10	--	--	--	--	--	--
51223	214	10	--	--	--	--	--	--
51224	214	5	--	--	--	--	--	--
51225 <i>Sample</i>	214	10	--	--	--	--	--	--
51226	214	10	--	--	--	--	--	--
51227	214	5	--	--	--	--	--	--



Certified by *David Becker*

TABLE 1 - CONKLE CLAIMS

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 2ML 1-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH, FE, CA, P, CR, PG, BA, TI, B, AL, NA, K, N, SI, ZR, CE, SR, V, MO AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 SAMPLE TYPE: ROCK CHIPS AND ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA. TL ANALYSIS BY GRAPHITE FURNACE AA.

DATE RECEIVED: APR 27 1981 DATE REPORT MAILED: *May 1981* ASSAYER: *S. J. DEAN* TOYE, CERTIFIED P.C. ASSAYER

FALCONBRIDGE PROJECT # 003 FILE # 84-0639

PAGE 1

SAMPLED	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	LI	AC	TH	SA	CR	SR	BI	V	CA	P	LA	CP	HG	BA	TI	B	AL	NA	K	M	AU	HG	TL
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
TC-1	4	2	5	77	.1	3	3	578	1.03	3	2	ND	3	112	2	2	2	18	2.09	.01	11	4	.49	10	.01	6	.77	.04	.02	2	2	50	.9
TC-2	7	4	7	33	.1	6	1	162	.85	2	2	ND	2	599	1	2	2	18	12.34	.05	7	13	.15	7	.02	3	.65	.02	.01	2	2	10	.3
TC-3	7	16	1	25	.2	8	2	177	.58	5	8	ND	2	1312	1	2	2	9	26.85	.02	2	2	.21	10	.01	2	.47	.01	.01	2	2	27	.9
TC-4	4	100	7	71	.1	82	17	627	2.06	5	2	ND	2	985	1	2	2	43	2.29	.14	3	95	1.02	19	.09	4	1.83	.02	.01	2	2	19	.4
TC-5	4	40	3	33	.1	36	11	202	1.82	2	2	ND	2	70	1	2	2	40	1.44	.05	2	46	1.12	26	.14	4	1.39	.12	.04	2	2	77	.1
TH-1	2	5	4	40	.1	7	2	751	1.14	2	2	ND	3	90	1	2	2	12	1.43	.02	17	3	.56	24	.01	16	.74	.05	.04	2	2	50	.1
TH-2	14	3	5	75	.2	22	2	418	.81	2	2	ND	2	782	1	2	2	30	17.89	.09	4	21	.49	7	.02	3	.75	.03	.01	2	2	40	.1
TH-3	10	29	13	71	.1	18	2	733	.85	2	2	ND	2	512	1	2	2	51	12.19	.08	4	20	.28	11	.04	3	1.88	.14	.01	2	2	10	.1
TH-4	5	16	4	36	.1	11	2	149	.58	3	4	ND	2	1474	1	2	2	16	25.17	.05	7	9	.24	16	.01	2	.47	.01	.02	2	2	60	.1
STD A 1	1	70	40	191	.2	26	11	985	2.72	2	2	ND	2	36	1	2	2	28	.60	.08	2	77	.17	276	.08	3	2.01	.02	.01	2	2	-	-

1-11