

LOG NO: NOV 20 1991	RD.
ACTION:	
FILE NO:	

1991 ASSEMENT REPORT  
ON THE  
ANNIE 1 and ANNIE 2 CLAIMS  
SLOCAN MINING DIVISION  
NTS 82K/5W  
LATITUDE: 50°18'30" LONGITUDE: 117°58'

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**21,806**

NOVEMBER 1991

BY: DELBERT W. FERGUSON  
*Owner / operator*

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ANALYTICAL RESULTS

## INTRODUCTION

In 1991, initial road outcrop mapping, rock sampling and geochemical soil sampling was conducted on the Annie 1 and Annie 2 claims.

## LOCATION and ACCESS

Access to the Annie 1 & 2 claims is obtained by road. From Nakusp, B.C. on the east side of Upper Arrow Lake, follow Highway 6 south for approximately 19 kilometres to the Arrow Park Ferry. Once the ferry has landed on the west side of the lake turn northward and drive along the lake for approximately 36 kilometres to the Cameron Lake Road Junction. Follow Cameron Lake Road southward for approximately 7 kilometres to Branch Road 16. The Annie Claims Initial Post is located 325 metres up the the first left spur road on Branch 16. The claims are approximately 1 kilometre east of Cameron Lake.

## PHYSIOGRAPHY

The claims lie on moderate to steep, well-forested, north-facing slopes. Elevations range from 3000 feet above sea level in the northeast corner of Annie 2 to 3700 feet a.s.l. in the southeast corner of Annie 1.

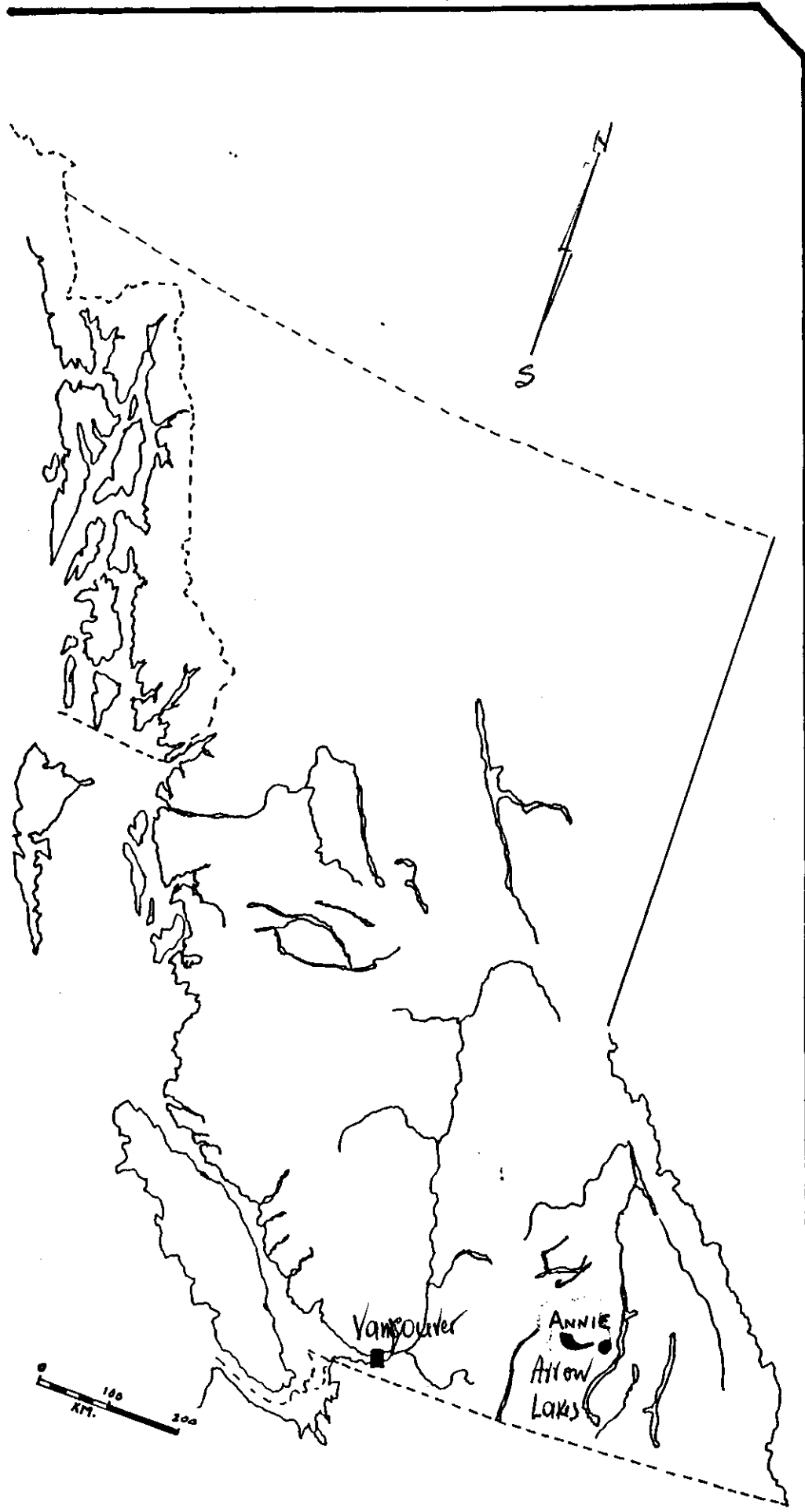
## AREA HISTORY

To the author's knowledge, no previous exploration work has taken place on the property. There are however, current zinc claims located to the southeast of the Annie claims.

## CLAIM STATISTICS

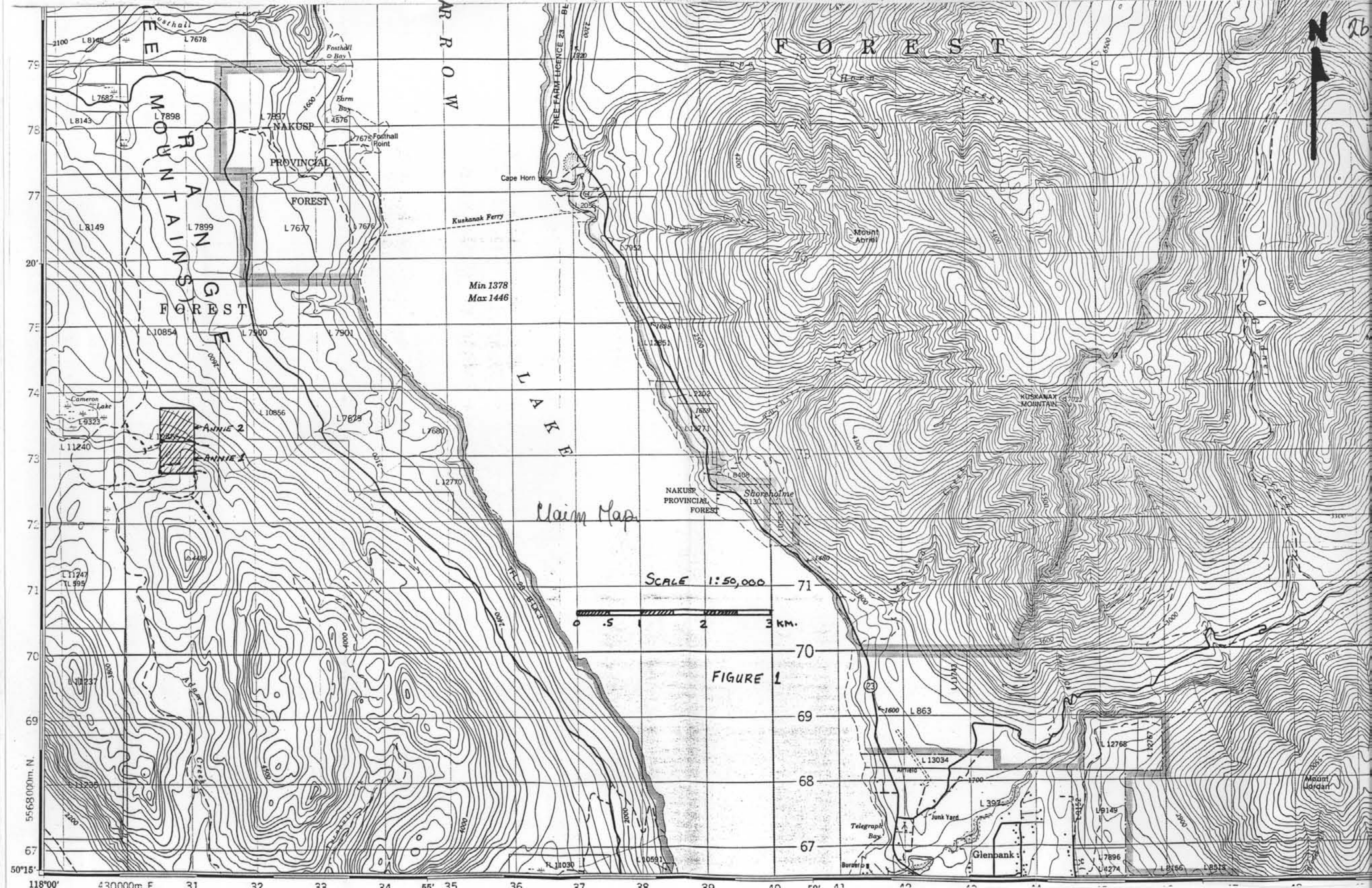
The Annie 1 and Annie 2 claims are currently held by Delbert W. Ferguson of Nakusp, B.C. They are two post claims, sharing a common Initial Post and common Final Post.

<u>CLAIM NAME</u>	<u>NO. of UNITS</u>	<u>RECORD NO.</u>	<u>RECORD DATE</u>	<u>EXPIRY DATE</u>
ANNIE 1	1	6489	OCT.25/90	OCT.25/95
ANNIE 2	2	6490	OCT.25/90	OCT.25/95



General Location Map.





118°00' 430000m E 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 50°15' N 5568000m N



## GEOLOGY

The claims are underlain by predominantly graphitic schists and argillites of the Triassic/Jurassic Slocan Group sediments. The general attitude of these metasediments is between 280 to 336° with moderate to steep dips to the northeast. Often, the graphitic package contains disseminated pyrite and/or pyrrhotite. Discontinuous quartz veining is common. Locally, in the central portion of the claims, quartz-sericite schist horizons are present (FIGURE 2). At least seven such horizons occur in the immediate vicinity of the "Discovery Outcrop". These schists strike 310 to 342° and dip variably to the northeast. Quartz veining is common in these horizons. Disseminated pyrrhotite is ubiquitous. Crenulations are prevalent throughout both schist units.

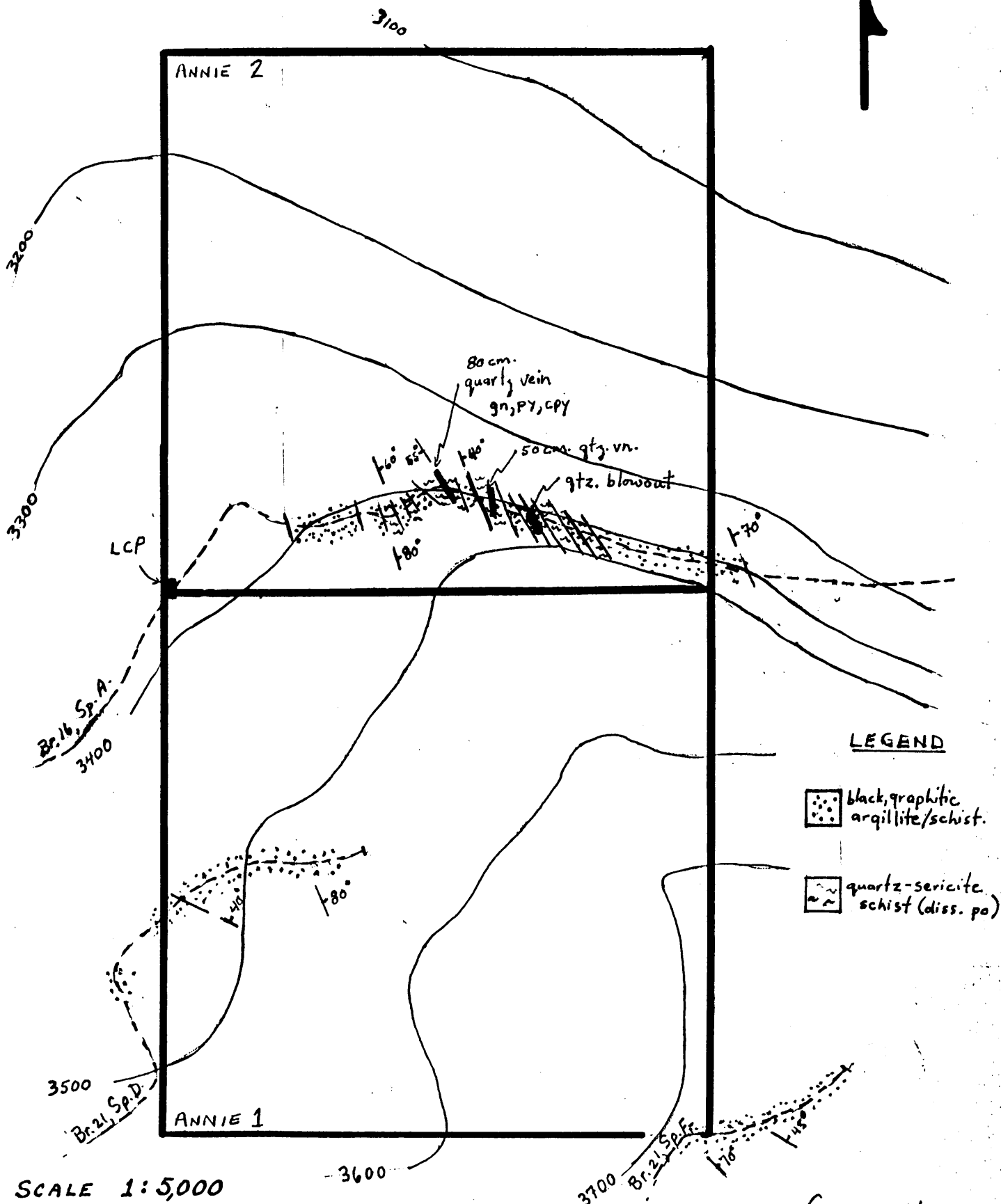
At least 1 mineral-bearing quartz vein has been observed in a road cut (the Discovery Outcrop), striking 148° and dipping 50 to 60° southwest. Pyrite, galena and trace chalcopyrite mineralization occurs along margins of the vein. The Discovery Vein is 80 cm wide and consists predominantly of white "bull" quartz. Numerous other veins occur throughout the quartz-sericite schists, but these appear to be barren of sulphides.

## 1991 FIELD WORK



The author spent one day mapping the geology along Branch 16, Spur A, which bisects the claims, and Branch 21 Spurs D and F (FIGURE 2). One selected high grade grab sample obtained, ran 0.19 gm/t Au (.01oz/t), 662.6 gm/t Ag (19.32oz/t), .02% Cu, .90% Pb and .01% Zn.

One day was also spent running west-east soil geochemical lines across the claims. The common west-east claim boundary was established as the 0+00 baseline. Line 0+00S was run for 500 metres across the Annie 1 claim and Line 0+00N was run for 500 metres across the Annie 2 claim. Samples were taken at 25 metre intervals where possible.

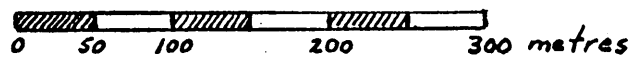
Soils were obtained from the "B" horizon in all cases. These 42 samples were dried and sent to Eco-Tech Labs for 30 element ICP analyses.



**LEGEND**

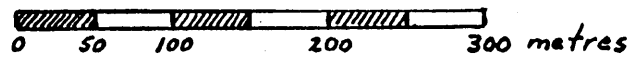
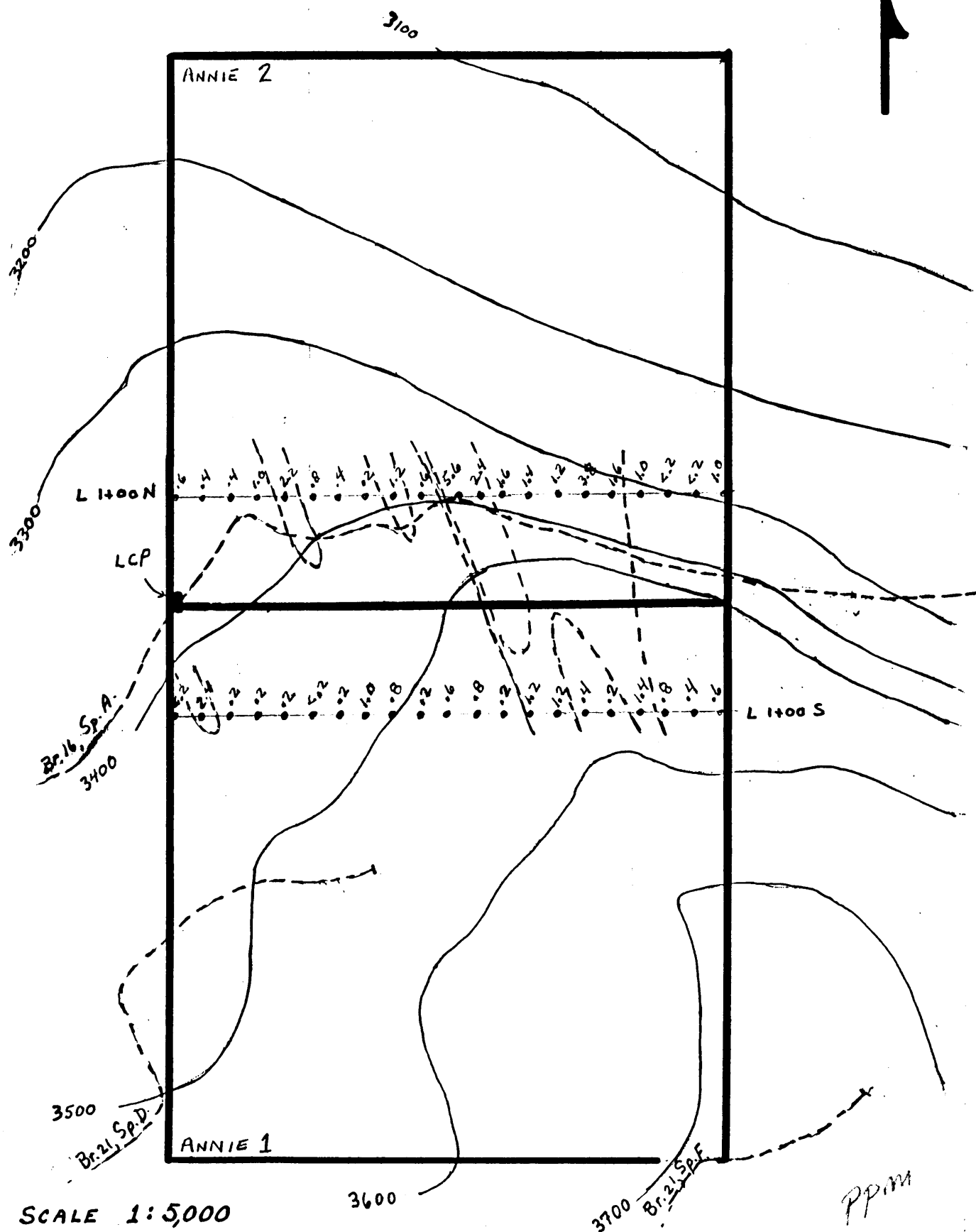
-  black, graphitic argillite/schist.
-  quartz-sericite schist (diss. po)

SCALE 1:5,000



**GEOLOGY**

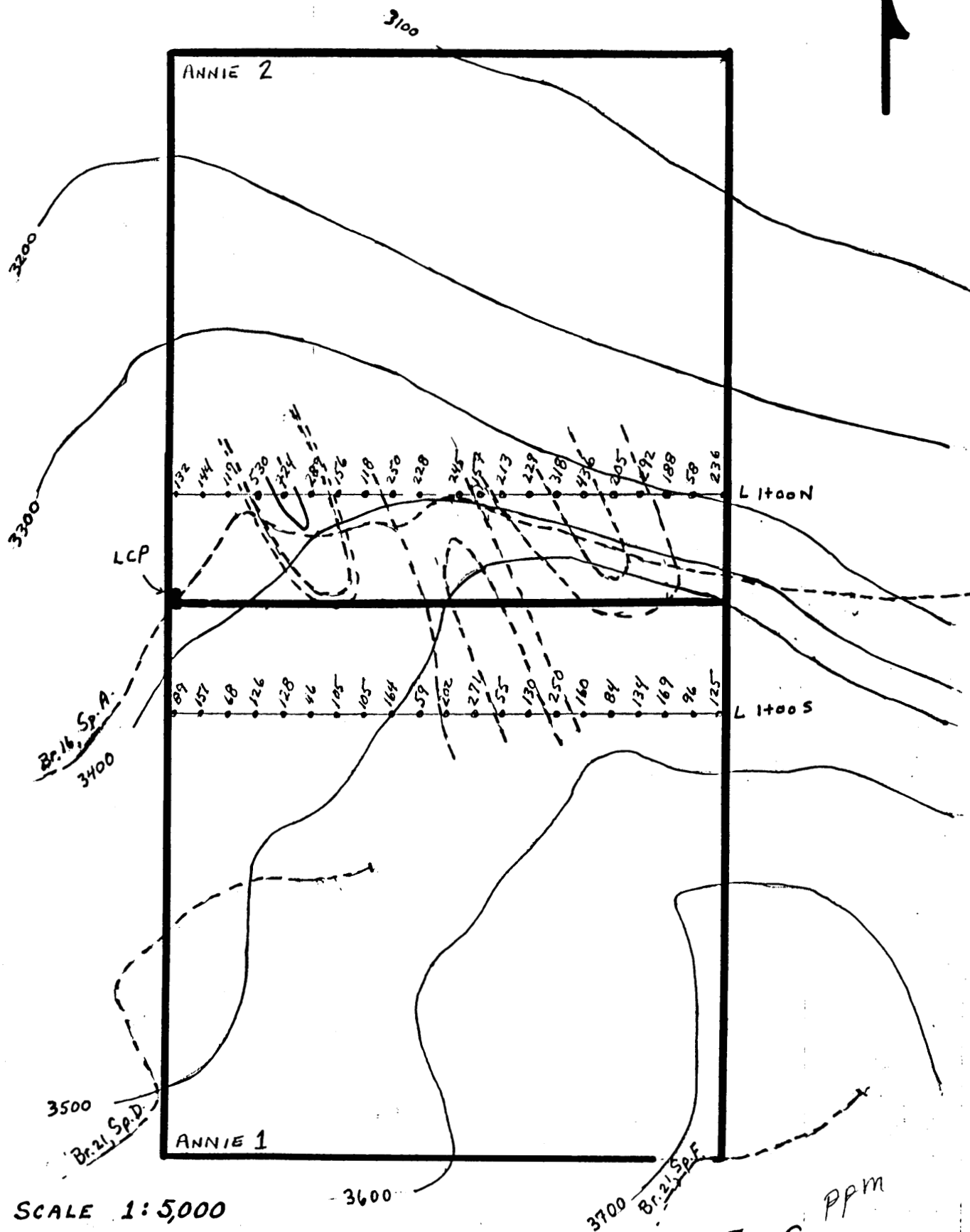
FIGURE 2



SCALE 1:5,000

PPM  
AG GEOCHEMICAL  
SOIL RESULTS 3





## RESULTS

The soils collected showed that anomalous silver and zinc values were most elevated and correlative. Lead values were much weaker than expected. Surprisingly, anomalous nickel values were reported in areas of strongly anomalous silver and zinc.

## CONCLUSIONS

Anomalous silver, zinc and nickel values occur in soils in the vicinity of a mineralized quartz vein (galena, pyrite) within a quartz-sericite schist unit of the Slocan Sedimentary Group. A mineralized grab sample of the vein ran 19.32 oz./ton silver.

Both geological and geochemical evidence point towards the northwest as the most interesting area for future prospecting.

## STATEMENT OF COSTS

FIELD WORK .. 1 geologist x 2 days @ 200/day =	\$ 400.00
ANALYSES .. 1 rock @ 31.25/sample =	31.25
.. 42 soils @ 6.50/sample =	273.00
TRANSPORTATION .. 270 km. @ .25/km. =	67.50
SHIPPING CHARGES .. =	30.00
REPORT COSTS .. 2 day @ 200/day + materials =	420.00
GST@7%(on analyses,shipping) =	23.40
	<hr/>
TOTAL COSTS	\$ 1245.15
	=====

## STATEMENT OF QUALIFICATIONS

I, Delbert Wells Ferguson, of Nakusp, Province of British Columbia, do hereby state that;

I am a practicing geologist.

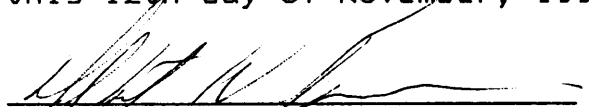
I have practiced my profession for over 13 years throughout Canada.

I am a Fellow Member of the Geological Association of Canada.

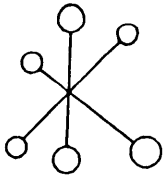
I received an Honours B.Sc. Degree in Geology from the University of Western Ontario, London, Ontario, Canada in 1979.

This report was prepared by myself, based on work completed in 1991 on the Annie 1 and Annie 2 claims.

Dated at Nakusp, B.C.  
this 12th day of November, 1991

  
Delbert Wells Ferguson, F.GAC

## APPENDICES



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

JUNE 3, 1991

## CERTIFICATE OF ASSAY ETK 91-295

=====


FERGUS CONSULTING  
BOX 981  
NAKUSP, B.C.  
VOG 1R0

ATTENTION: D.W. FERGUSON

SAMPLE IDENTIFICATION: 2 ROCK samples received MAY 28, 1991  
-----

ET#	Description	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
295 - 1	CONEY 1	-	-	-	-	-	-	-
295 - 2	ANNIE 1	.19	.01	662.6	19.32	.02	.90	<.01

NOTE: < = less than

  
\_\_\_\_\_  
ECO-TECH LABORATORIES LTD.  
FRANK J. PEZZOTTI,  
B.C. Certified Assayer



ECO-TECH LABORATORIES LTD.  
 10041 EAST TRANS CANADA HWY.  
 KAMLOOPS, B.C. V2C 2J3  
 PHONE - 604-573-5700  
 FAX - 604-573-4557

DEL FERGUSON ETK 91-777  
 BOX 681  
 NAKUSP, B.C.  
 VOG 1R0

OCTOBER 1, 1991

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: ANNIE 91  
 42 SOIL SAMPLES RECEIVED SEPTEMBER 25, 1991

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	1+ 00N - 0+ 00 E	.6	3.80	<5	8	45	<5	.07	<1	12	14	13	2.49	.03	<10	.23	161	1	.01	37	910	16	<5	<20	8	.13	<10	25	<10	3	132
2 -	1+ 00N - 0+ 25 E	.4	2.12	<5	6	55	<5	.16	<1	10	13	13	2.10	.03	10	.22	341	1	.01	38	360	12	<5	<20	14	.09	<10	29	<10	3	144
3 -	1+ 00N - 0+ 50 E	.4	3.76	<5	8	45	<5	.07	<1	12	14	14	2.37	.04	<10	.22	301	1	.01	29	1040	16	<5	<20	8	.15	<10	27	<10	4	119
4 -	1+ 00N - 0+ 75 E	1.0	6.34	<5	8	305	<5	.58	2	17	34	52	3.62	.14	20	.48	803	4	.01	168	580	22	5	<20	87	.18	<10	30	10	17	530
5 -	1+ 00N - 1+ 00 E	2.2	3.68	<5	10	80	<5	.63	7	14	21	54	2.28	.06	30	.38	2386	4	.01	174	550	12	<5	<20	50	.12	<10	19	10	27	724
6 -	1+ 00N - 1+ 25 E	.8	4.05	<5	8	50	<5	.10	1	16	14	16	2.46	.04	<10	.24	267	2	.01	45	940	16	<5	<20	12	.15	<10	23	<10	5	289
7 -	1+ 00N - 1+ 50 E	.4	2.64	<5	6	40	<5	.14	1	11	12	14	1.77	.04	<10	.25	372	1	.01	34	1080	12	<5	<20	13	.10	<10	20	<10	5	156
8 -	1+ 00N - 1+ 75 E	.2	1.25	<5	8	60	<5	.11	1	7	14	9	1.48	.03	10	.24	1310	<1	.02	18	390	2	<5	<20	11	.06	<10	21	<10	2	118
9 -	1+ 00N - 2+ 00 E	1.2	3.09	<5	8	65	<5	.18	2	13	10	9	2.25	.04	<10	.16	319	2	.02	28	960	14	<5	<20	18	.16	<10	29	<10	4	250
10-	1+ 00N - 2+ 25 E	.6	1.58	<5	8	50	<5	.11	<1	15	18	28	2.25	.05	10	.37	362	2	.01	55	430	10	<5	<20	12	.08	<10	27	<10	4	228
11-	1+ 00N - 2+ 60 E	5.6	2.13	<5	6	105	<5	.12	2	19	20	49	4.21	.07	<10	.46	1206	9	.01	82	890	38	<5	<20	13	.09	<10	28	<10	<1	245
12-	1+ 00N - 2+ 80 E	2.4	3.12	<5	8	75	<5	.10	1	14	11	22	2.52	.04	<10	.22	1263	3	.02	45	1160	14	<5	<20	11	.13	<10	21	<10	4	157
13-	1+ 00N - 3+ 00 E	1.6	2.85	<5	6	80	<5	.23	1	15	10	27	2.58	.05	<10	.23	1098	2	.01	54	1310	14	5	<20	21	.12	<10	19	<10	5	213
14-	1+ 00N - 3+ 25 E	1.4	3.39	<5	8	155	<5	.22	3	13	10	14	2.74	.04	<10	.20	2446	3	.02	45	910	22	<5	<20	21	.18	<10	30	<10	6	229
15-	1+ 00N - 3+ 50 E	1.2	2.67	<5	6	45	<5	.15	1	11	14	14	2.01	.04	<10	.25	438	<1	<.01	79	650	10	<5	<20	15	.13	<10	22	<10	7	318
16-	1+ 00N - 3+ 75 E	3.8	2.31	<5	6	35	<5	.26	1	12	19	47	2.11	.05	20	.36	600	2	.01	163	620	10	<5	<20	23	.12	<10	20	<10	21	436
17-	1+ 00N - 4+ 00 E	1.6	3.17	<5	6	40	<5	.14	<1	13	13	16	2.42	.03	<10	.22	284	1	.02	64	710	14	<5	<20	16	.15	<10	21	<10	8	205
18-	1+ 00N - 4+ 25 E	1.0	2.14	<5	8	80	<5	.24	1	18	11	25	2.81	.05	<10	.26	1447	4	.01	60	680	16	5	<20	27	.13	<10	29	<10	4	292
19-	1+ 00N - 4+ 50 E	<.2	2.96	<5	8	55	<5	.20	1	11	13	10	2.19	.04	<10	.20	456	1	.01	23	1470	12	<5	<20	19	.12	<10	28	<10	3	188
20-	1+ 00N - 4+ 75 E	<.2	.94	<5	4	20	<5	.08	<1	6	11	4	1.30	.02	<10	.13	557	<1	.01	7	1240	4	<5	<20	9	.07	<10	21	<10	2	58
21-	1+ 00N - 5+ 00 E	1.0	4.71	<5	6	45	<5	.41	2	14	18	49	2.41	.05	30	.26	1060	2	.03	78	1530	16	5	<20	35	.21	<10	21	<10	37	236
22-	1+ 00S - 0+ 00 E	<.2	1.24	<5	6	45	<5	.17	<1	8	18	20	1.93	.03	10	.36	185	<1	.01	30	310	6	<5	<20	17	.05	<10	26	<10	1	89
23-	1+ 00S - 0+ 25 E	2.4	2.69	<5	8	60	<5	.41	1	9	17	42	1.83	.03	30	.26	1059	2	.01	79	540	8	<5	<20	32	.09	<10	16	<10	29	151
24-	1+ 00S - 0+ 50 E	.2	1.25	<5	8	25	<5	.11	<1	7	12	10	1.41	.02	10	.22	181	<1	<.01	26	320	6	<5	<20	11	.05	<10	17	<10	1	68
25-	1+ 00S - 0+ 75 E	.2	2.10	<5	6	75	<5	.08	<1	9	14	10	2.45	.03	<10	.18	158	1	.01	20	950	18	<5	<20	15	.17	<10	41	<10	4	126
26-	1+ 00S - 1+ 00 E	.2	2.68	<5	6	90	<5	.09	<1	15	18	36	2.27	.05	10	.42	592	1	.01	61	1430	10	<5	<20	11	.09	<10	25	<10	2	128

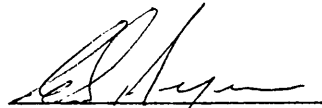
OCTOBER 1, 1991

ECO-TECH LABORATORIES

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
27-	1+ 00S - 1+ 25 E	<.2	2.40	<5	6	40	<5	.10	<1	8	14	13	2.09	.04	10	.26	333	<1	.01	25	530	14	<5	<20	11	.12	<10	30	<10	5	46
28-	1+ 00S - 1+ 50 E	.2	3.77	<5	6	50	<5	.07	<1	11	13	13	2.15	.03	<10	.19	381	1	.01	20	1120	10	<5	<20	8	.13	<10	23	<10	5	105
29-	1+ 00S - 1+ 75 E	1.0	3.75	<5	8	50	<5	.08	<1	9	13	13	1.74	.03	<10	.22	297	1	.01	25	820	14	<5	<20	9	.12	<10	17	<10	6	105
30-	1+ 00S - 2+ 00 E	.8	2.53	<5	6	90	<5	.16	<1	13	22	30	2.68	.06	10	.41	668	1	.01	82	670	18	5	<20	19	.12	<10	31	<10	5	164
31-	1+ 00S - 2+ 25 E	.2	1.09	<5	6	20	<5	.09	<1	4	9	5	1.14	.02	<10	.16	91	<1	<.01	10	250	4	<5	<20	8	.07	<10	17	<10	2	59
32-	1+ 00S - 2+ 50 E	.6	2.21	<5	4	60	<5	.14	<1	14	27	18	2.95	.04	<10	.46	535	3	<.01	37	860	18	5	<20	15	.09	<10	42	<10	<1	202
33-	1+ 00S - 2+ 75 E	.8	2.70	<5	6	85	<5	.22	1	10	17	15	2.02	.05	10	.25	369	1	.01	77	530	14	<5	<20	26	.14	<10	22	<10	9	271
34-	1+ 00S - 3+ 00 E	.2	1.18	<5	6	30	<5	.08	<1	5	11	9	1.18	.03	<10	.20	141	<1	<.01	16	330	6	<5	<20	8	.05	<10	15	<10	2	55
35-	1+ 00S - 3+ 25 E	1.2	2.34	<5	6	50	<5	.08	<1	9	11	9	1.60	.03	<10	.15	424	<1	.01	21	730	10	<5	<20	9	.12	<10	22	<10	4	130
36-	1+ 00S - 3+ 50 E	1.2	3.75	<5	6	60	<5	.09	1	18	28	14	2.68	.04	<10	.34	613	2	.02	59	1080	18	5	<20	10	.13	<10	21	<10	2	250
37-	1+ 00S - 3+ 75 E	.4	2.36	<5	6	85	<5	.12	1	11	16	9	1.82	.05	10	.28	612	<1	.01	24	890	6	5	<20	13	.10	<10	23	<10	3	160
38-	1+ 00S - 4+ 00 E	.2	1.29	<5	6	45	<5	.18	<1	10	16	15	1.92	.04	10	.29	322	<1	.01	21	1060	8	5	<20	13	.07	<10	26	<10	2	84
39-	1+ 00S - 4+ 25 E	1.4	2.57	<5	6	35	<5	.10	1	9	12	13	1.65	.04	<10	.22	310	<1	.01	21	1010	12	<5	<20	10	.11	<10	19	<10	5	134
40-	1+ 00S - 4+ 50 E	.8	3.63	<5	6	40	<5	.08	1	12	12	12	1.96	.03	<10	.17	340	1	.01	38	1030	12	<5	<20	11	.15	<10	19	<10	7	169
41-	1+ 00S - 4+ 75 E	.4	2.19	<5	8	55	<5	.14	<1	8	12	12	1.64	.03	<10	.23	358	1	.01	23	640	8	5	<20	19	.10	<10	19	<10	4	96
42-	1+ 00S - 5+ 00 E	.6	2.11	<5	6	35	<5	.11	<1	12	14	16	1.83	.05	10	.31	265	1	.01	24	960	10	<5	<20	10	.09	<10	23	<10	4	125

NOTE: &lt; = LESS THAN

&gt; = GREATER THAN



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B.C. Certified Assayer