

GEOLOGICAL BRANCH
ASSESSMENT REPORT

85-372-13792



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

13,792

TYPE OF REPORT/SURVEY(S) PROSPECTORS REPORT.	TOTAL COST 2102.25
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AUTHOR(S) **R. K. TAYLOR** SIGNATURE(S) *R.K. Taylor*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED **APRIL 25 1985** YEAR OF WORK **85**

PROPERTY NAME(S) **"FIR" FORD**

COMMODITIES PRESENT **Ag. Cu.**

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN **9**

MINING DIVISION **KAMLOOPS** NTS **9217E**

LATITUDE **50° - 29'** LONGITUDE **120° - 44'**

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

FIR; record # 5613; 20 units

OWNER(S)
(1) **Joyce Wiggins** (2)
Box 520 Logan Lake

MAILING ADDRESS

OPERATOR(S) (that is, Company paying for the work)
(1) *[faded]* (2) **Joyce Wiggins**

MAILING ADDRESS
**Box 520
Logan Lake B.C.**

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):
The claim is underlain by Upper Triassic age Nicola Group porphyritic flow rocks in the Highland Valley area. The flow tops contain chalcocite and bornite in amygdules and veins. The rocks dip 30° to the northeast.

REFERENCES TO PREVIOUS WORK **NICOLA COPPER MINES 1974
FILE # 4051**

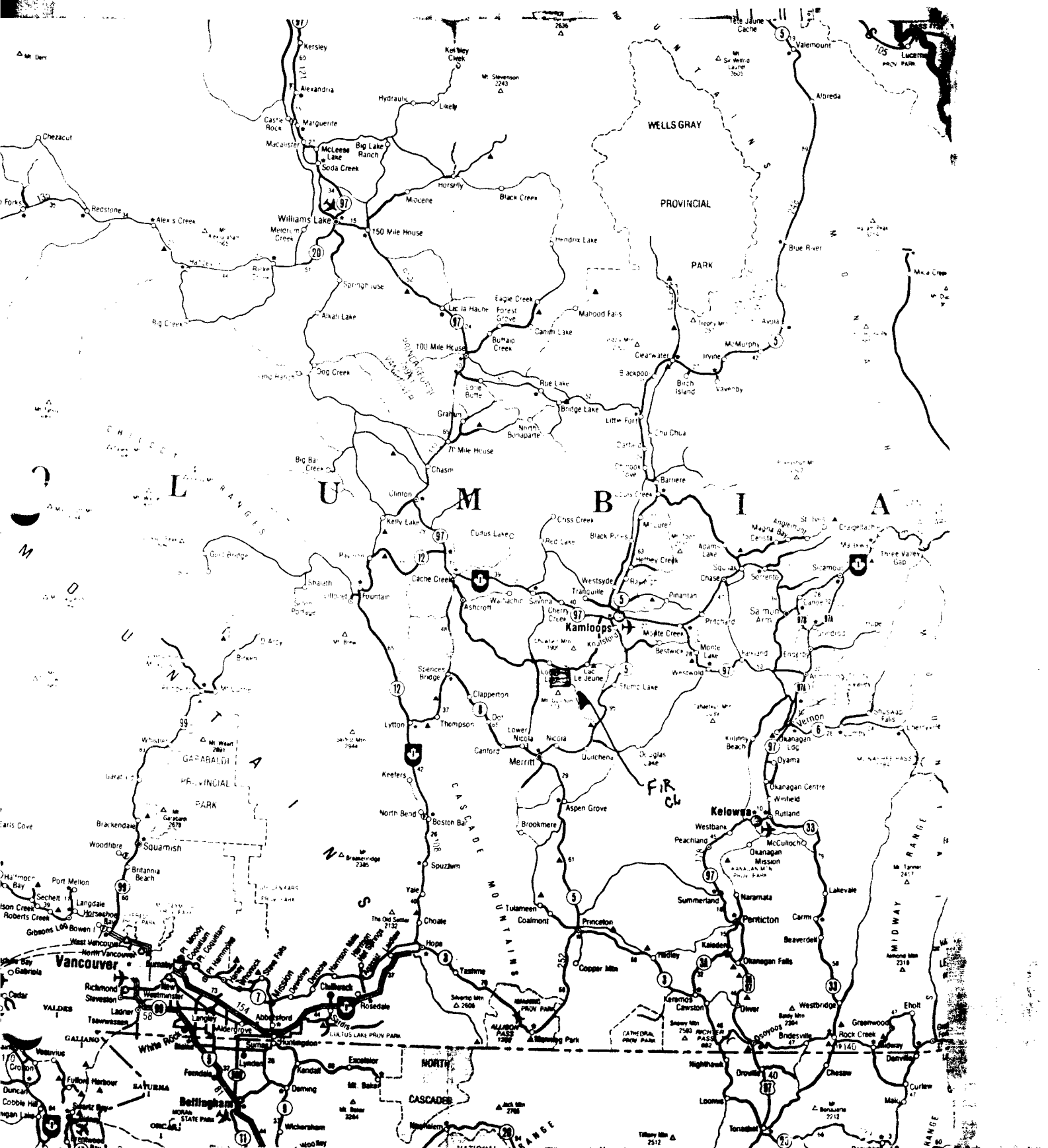
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Claim map.	Packet.
Soil (Ag, Au) map.	Packet.

INTRODUCTION TO THE FIR CLAIMS

Logan Lake, B.C.

This property is accesible by the Logan Lake highway, as it is situated approximately 50 kilometres south west of Kamloops and approximately 3 kilometres east of the village of Logan Lake. A small addit into the hillside which extends 10 metres north east that was mined in 1914 and 30 ton of copper and silver was shipped with the silver averaging .3 per ton. If significant gold values could be determined, the property is close enough to the major mines with easy access it would be very feasable to mine the copper, with enough gold and silver existing.



FIR PLANT LOCATION

Sawona 35 km

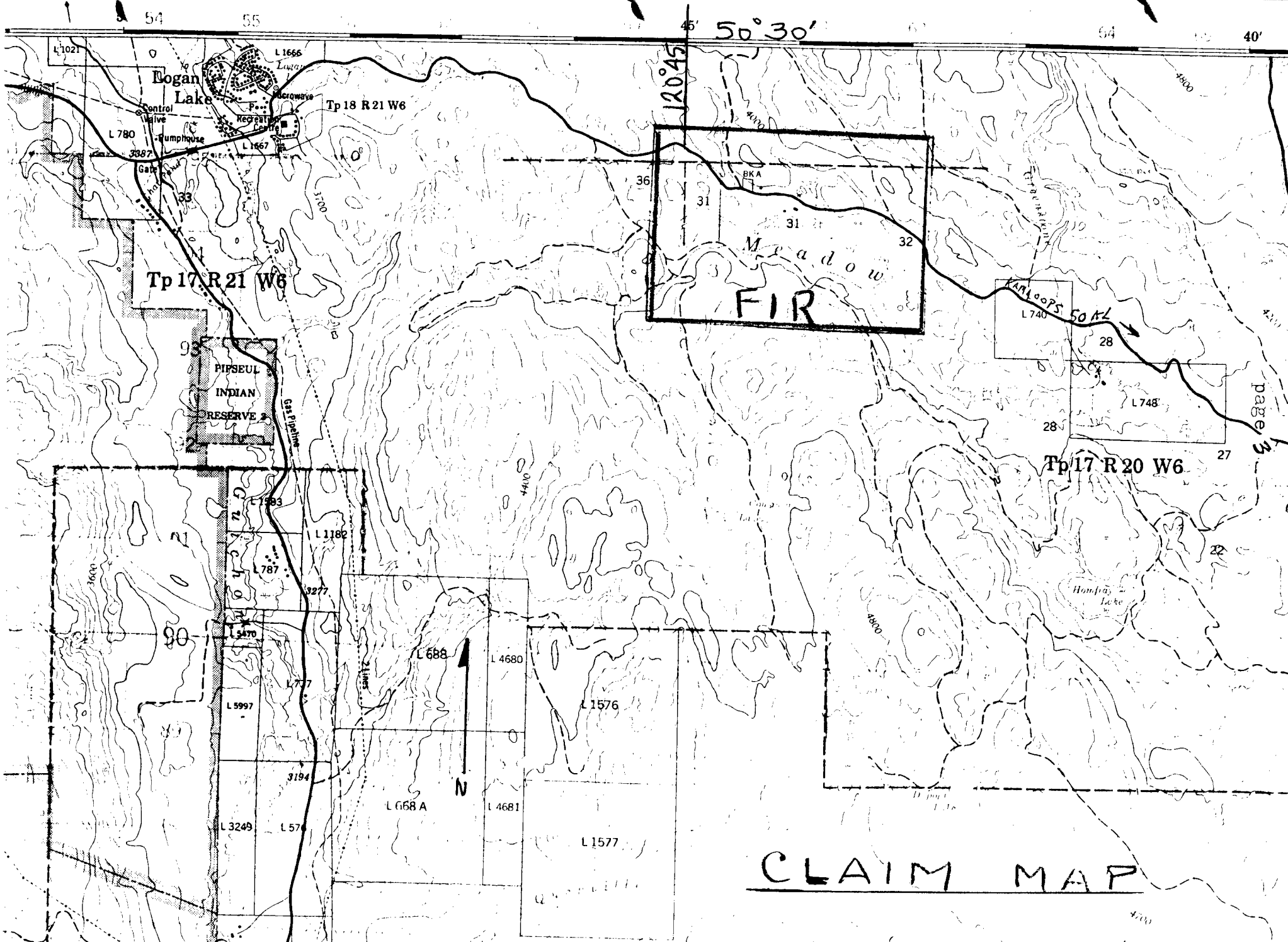
54

55

50°30'

54

40'



page 3

CLAIM MAP

SUMMARY OF FINDINGS

This is a summary of my findings while prospecting the "Fir" claims for Joyce Wiggins at Logan Lake. The claim block consists of 20 units. About 90% of the claims were checked over four days. I began with basic heavy metal testing on all water courses running through the property. While testing these streams outcrops were checked and mapped. You will find enclosed three maps, one map of water courses and two maps of traverses conducted on the property.

This investigation is to check for the possibility of higher silver values and if any gold values exist as in all the previous information the owner has acquired, there is no record of gold assays.

In all the outcrops checked, the contact between the porphyry and the rhyolites was not visible but both rock types can be found on the southern portion of the claim. The porphyry was found only once in the traverse but the copper mineralization was not present in this outcrop as in the outcrop in which the old addit. is situated in, as there is visible bornite and a lot of malachite staining in the porphyry here. There is also very minor quartz veins in the area of the rhyolites, but none of substantial width were found. One small gossened area was noted and sampled on the southern area of the claim. A good portion of the claim is heavily covered by overburden, as both sides of Meadow Creek is hay fields.

With the rock type staying consistant to the south, the three samples assayed out of all samples taken, will hopefully give some indicator.



1" = 500 METERS

--- TRAVERSE LINES

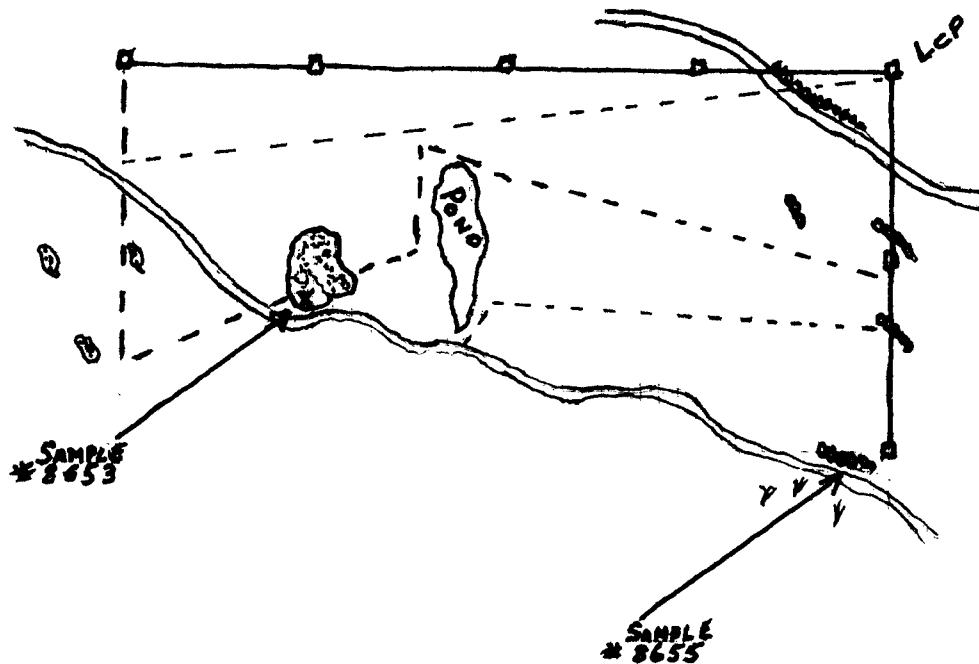
■ CLAIM POSTS

≡ MAIN HY

0000 ARGILLITE + SOME RHYOLITE


⊕ PORPHYRY


DRAWN BY K TAYLOR




N

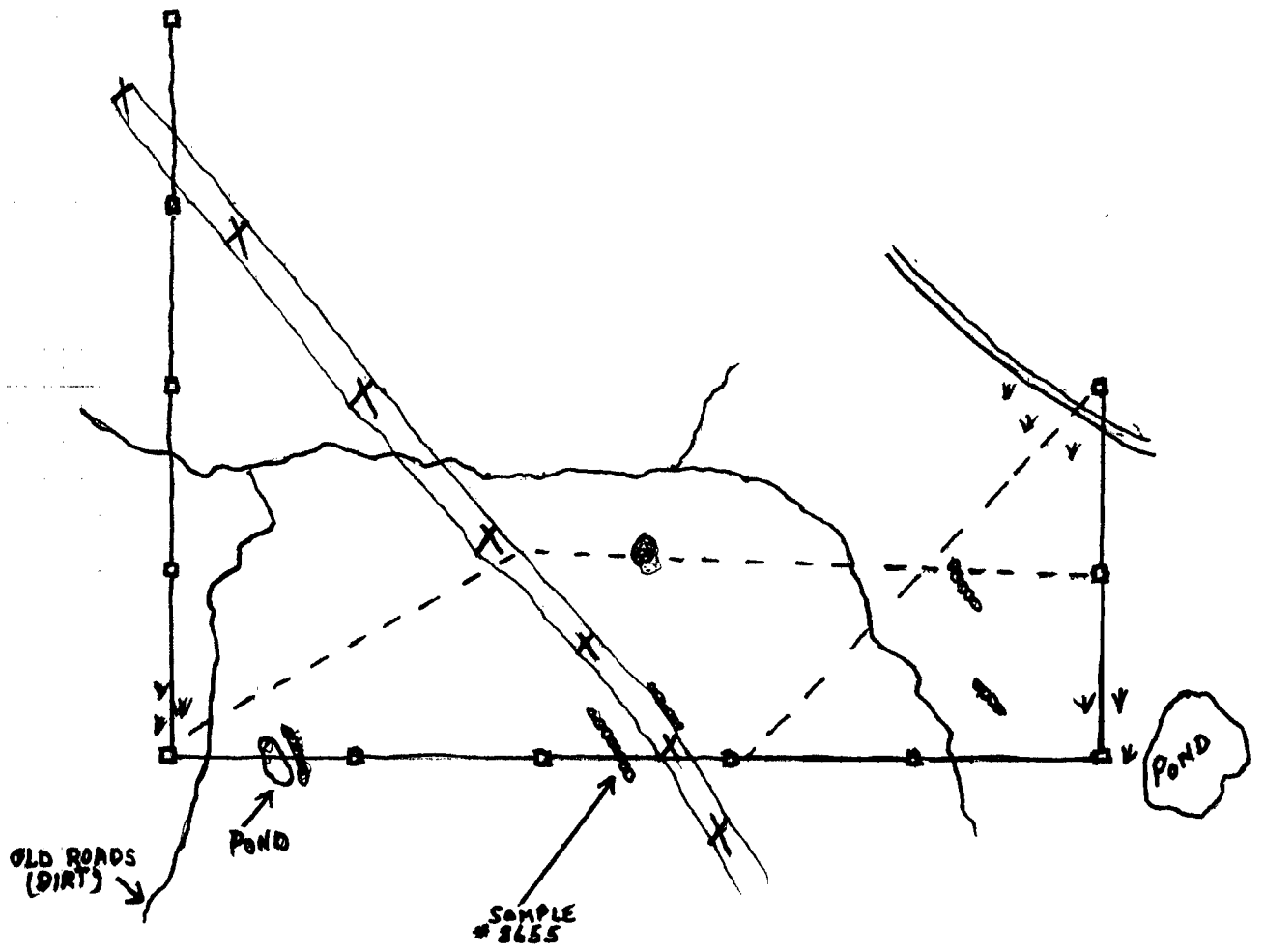
1" = 500 METERS

 NEW POWER LINE

 ARGILLITE

 PORPHYRY

DRAWN BY K. TAYLOR



MAP T-2

ASSAY RESULTS

SAMPLE #8653	0.04 Au	1.42 Ag
#8654	0.05 Au	0.11 Ag
#8655	0.01 Au	0.13 Ag

* all assay results show
ounce per ton

#8653 sample was taken in the Porpry
at the old Ford mine site just
west of the tunnel on exposed
face.

#8654 sample was taken at 10 - south
0 + 25 west in Ryholites.

#8655 sample was taken up on the new
power line cut re: Traverse map.



ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

May 13, 1985

CERTIFICATE OF ANALYSIS

CLIENT: J. K. Exploration Services
1040 Kemano Drive
KAMLOOPS, B. C.
V2B 2T6

ATTENTION: Ken Taylor

SAMPLE IDENTIFICATION: 3 rock samples received May 10, 1985

CERTIFICATE OF ANALYSIS NUMBER: ETK85-22

<u>Description</u>	<u>Au (oz/T)</u>	<u>Ag (oz/T)</u>
8653 Fir Claim	0.04	1.42
8654 Fir Claim	0.05	0.11
8655 Fir Claim	<0.01	0.13

NOTE: < = less than

Eduoard Aubin

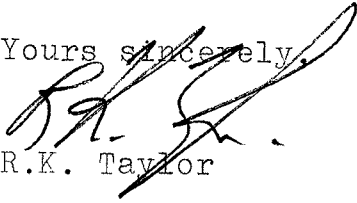
ECO-TECH LABORATORIES LTD.
Eduoard Aubin, Assayer

EA/ml

CONCLUSION 1

The property definately needs more technical work done on it. I would strongly recommend a major soil sampling program done on this property, as I feel this would answer a lot of unanswered questions and then follow up from there with VLF or else just trenching at highs if any occurred.

Yours sincerely,


R.K. Taylor

SAMPLE PROCEDURE

The sampling was conducted by myself (author) with Mr. Fluskey's supervision. The area sampled was cordoned off with grid lines to get an over all picture if any Au and Ag mineralization that was previously known, and from values found in my previous prospectors report in which rock assays gave some Ag and Au results. The base line was established from the legal corner post and was chained with a 50 metre chain for accuracy with slope corrections being made, so mapped sample locations would be true. The samples were taken at 200 metre intervals and line 0+00 was sampled 4 - south and 10 south with 10 - west tie line being sampled and 15 - west tie line being sampled. Sample holes were dug with a madeck to "B" horizon was clear, then sample was taken and placed in a proper soil sample kroft bag. The "B" horizon does not vary over most of the grid. The only noticable changes were the samples down near Meadow Creek, average sample hole being 10 cm, with soil of a tan colour, fine grained with pebbles being sorted out and disgarded. The samples were then brought back to author's home and dried by natural method, Eco Tech Labs of Kamloops did the analysis.

The land in the area of the grid is gradual rolling hills with bunch grass, jack pine and some spruce thickets, with farm land to the south and line 10 - south crossing part of the hay fields.

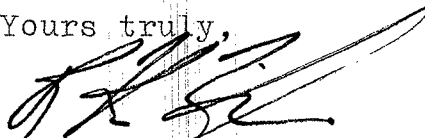
RECOMMENDATION AND SUMMARY OF
GEOCHEMICAL FINDINGS

The sampled area of this property was recommended by Mr. E. Fluskey after the findings of the author in prospecting the property earlier this spring as some of the rock samples taken during the prospecting had values. Due to limited funds this spring, the sampling was cut short, but with encouraging results as the six anomolis readings all coincide with the strike of the rock in the area. All but one of the anomolis readings were on high ground, and one sample reading 40 PPB was on the edge of Meadow Creek.

In discussion of the results, Mr. Fluskey and myself both feel that the next program should consist of 100 metre lines and 100 metre centres and if the anomalies continue the highs should have closer centres zeroed in on them. If the highs occur, then a major trenching program would come next, to penetrate the over burden and check bedrock readings for higher values a ULF survey could also supply more valuable information over the area of interest.

These results could enhance the already known copper in the area if values prove out and with such easy accessability to the highway and major mines of the area, it could prove to be a very feasible property.

Yours truly,



R.K. Taylor



ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

May 6, 1985

CERTIFICATE OF ANALYSIS

CLIENT: J. K. Exploration Services
1040 Kemano Drive
KAMLOOPS, B. C.
V2B 2T6

ATTENTION: Ken Taylor

SAMPLE IDENTIFICATION: 26 soil samples received April 29, 1985
for geochemical analysis

CERTIFICATE OF ANALYSIS NUMBER: ETK85-20

<u>Description</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
L 0+00 0+00	5	0.3
2W	5	0.3
4W	<5	0.3
6W	5	0.3
8W	<5	0.3
10W	10	0.4
12W	5	0.4
14W	<5	0.4
15W	15	0.4
2S 15W	<5	0.4
4S B.L.	5	0.6
2W	20	0.6
4W	<5	0.4
6W	10	0.3
8W	<5	0.4
10W	15	0.4
12W	5	0.6
14W	10	0.4
15W	10	0.4
6S 10W	10	0.6
8S 10W	40	0.4

J. K. Exploration Services

- 2 -

May 6, 1985

<u>Description</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
10S 2W	15	0.6
4W	50	0.4
6+10W	5	0.3
8W	10	0.3
10W	5	0.4

NOTE: < = less than

Thomas J. Fletcher

ECO-TECH LABORATORIES LTD.
Thomas J. Fletcher, B.Sc.
Chief Assayer

TJF/EA/mil



10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Telex: 048-8393

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION

1. Soil or sediment samples are dried at 60°C, the lumps of soil are broken up on a bucking board and the entire sample is sieved through an 80 mesh screen.
2. Rock samples are crushed and pulverized to -100 mesh.

GEOCHEMICAL ANALYSIS FOR Cu, Pb, Zn, Ag, Sb, Ni, Co, Cd

1.0 gram of sample is leached in 3 ml HNO₃ overnight at room temperature. The sample is brought up to 90°C in a water bath, 1.5 ml HCl is added, and the leaching is continued for a further 90 minutes. The sample is then cooled, diluted to 10 ml with distilled water and the above elements are determined by Atomic Absorption.

Minimum Reportable Concentrations

<u>Element</u>	<u>ppm</u>
Cu	1.
Pb	2.
Zn	1.
Ag	0.2
Sb	1.
Ni	2.
Co	2.
Cd	0.02

GEOCHEMICAL ANALYSIS FOR Au

The gold is collected in a silver bead through inquartation and conventional fire assaying of 10 grams of material. The bead is digested in aqua regia in a water bath at 90°C, the gold is then extracted into MIBK and determined by Atomic Absorption.

Minimum Reportable Concentration 5 ppb

GEOCHEMICAL ANALYSIS FOR As

0.25 gram of sample are taken to dryness in a mixture of HNO_3 and HClO_4 . Excess HNO_3 is expelled with HCl and the arsenic is scrubbed into a solution of pyridine and SDDC to be determined colorimetrically on a spectrophotometer.

Minimum Reportable Concentration

1 ppm

COST BREAKDCWN

4 days at \$100.00 per day to Ken Taylor April 10, 11, 12, 17	\$400.00
Truck costs 4 return trips at \$25.00 per day April 10, 11, 12, 17	\$100.00
Clerical and supplies	\$ 35.00
Assay Costs	\$ 44.25
Total Costs	\$579.25

COST BREAKDOWN

5.4 kilometre line \$75. per kilometre	\$ 405.00
Assay cost for Au and Ag soils	208.00
K. Taylor 4 days at \$100.00 per day - April 18, 19, 20 & 21	400.00
Jim Wiggins 2 days at \$100.00 per day - April 17 & 18	200.00
Len Robinson 2 days at \$80.00 per day - April 17 & 18	160.00
Chev truck 4 days at \$25.00 per day - April 18, 19, 20 & 21	100.00
Clerical	30.00
Ribbon and sample bags	20.00
Total	<u>\$1,523.00</u>

INTRODUCTION TO AUTHOR

R.K. Taylor

I have been prospecting for the past nine years. I am a holder of a B.C. Prospectors Certificate (see photo copy next page) and was a staff paid prospector for Granges Exploration for six years. I have done extensive prospecting in B.C., Manitoba and Saskatchewan.

A handwritten signature in black ink, appearing to read 'R.K. Taylor', written in a cursive style.

SELKIRK



COLLEGE

CASTLEGAR, B. C., CANADA

COMMUNITY EDUCATION SERVICES

THIS IS TO CERTIFY THAT

KENNETH TAYLOR

HAS PARTICIPATED IN

"MINERAL EXPLORATION FOR PROSPECTORS"

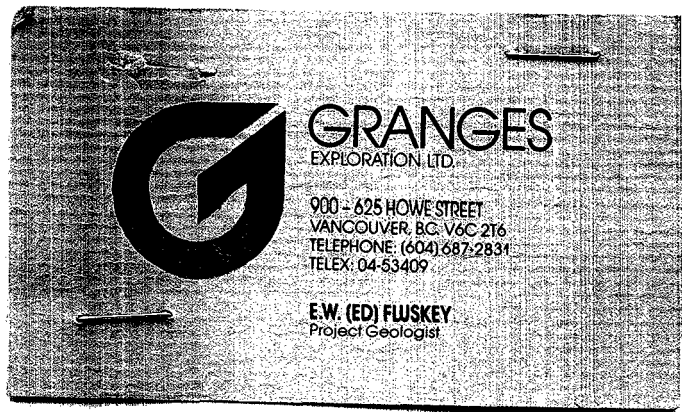
156 Hour Course - May, 1981

Co-sponsored by the Ministry of Energy, Mines, and Petroleum Resources;
the Ministry of Education; and Continuing Education, Selkirk College




INSTRUCTOR / PROGRAM COORDINATOR


COMMUNITY EDUCATION



TO WHOM IT MAY CONCERN:

This is to confirm that I, Ed Flusky B.Sc. Geologist, supervised Mr. Ken Taylor in the soil sampling survey on the Ford copper project area, 3 kilometres east of the Logan Lake townsite.

All samples taken were from "B" Horizon and a total of 26 samples were collected at 200 metre intervals.

The purpose of this survey was to determine if any anomalous readings occur in the vicinity of known VLF anomalies and if the known Cu Ag sulphide mineralization, found in local trenches, can be extended and delineated.

I am a graduate geologist from University of Western Ontario (1975) and have been working professionally in British Columbia since July 1980 for Granges Exploration as a project geologist.

Yours, truly,

A handwritten signature in cursive script that reads 'Ed Flusky'.

Ed Fluskey

