



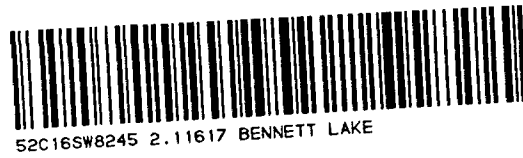
52C16SW8245 2.11617 BENNETT LAKE

010

REPORT ON THE  
FIRE RIVER GOLD CORPORATION  
ALICE 'A' PROPERTY  
BENNETT LAKE AREA  
KENORA MINING DIVISION  
DISTRICT OF RAINY RIVER  
ONTARIO  
NTS 52C/16

July 1988

R.J. Hampton



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## SUMMARY

Fire River Gold Corp. holds the option to explore a group of 18 mining claims in the Bennett Lake area located 50 miles east of the town of Fort Frances.

The property encompasses the old Alice 'A' prospect, the Gold Bug occurrence and the Emma Abbott occurrence, all of which were worked in the late 1800's. The property has more recently been explored for its gold and base metal potential. The known occurrences on the property occur within steeply dipping metavolcanics of Archean age which form part of the Atikokan - Fort Frances greenstone belt. The property is situated just south of the Quetico Fault which trends east-west.

The objective of the current programme is to gain an understanding of the geology of the property and to gain insight into the possible existence of economic mineralization. To this end, the entire property was geologically mapped at a scale of one inch to 200 feet. Rock and humus samples were collected for geochemical analysis and a magnetic survey was completed.

## 1. INTRODUCTION

Curtis and Associates Inc. were contracted by Fire River Gold Corp. to provide a geological framework of their Alice 'A' property in order to evaluate its gold potential.

Don MacEachern of Fort Frances, Ontario was sub-contracted to establish a grid on the property. An east-west baseline was established through the centre of the property. Cross lines were established at 400 ft intervals with picket stations at 100 ft intervals. A total of 1.6 miles of survey baseline and 11.8 miles of cross lines were established.

A magnetometer survey was carried out using a Scintrex MP-2 portable magnetometer. Readings were taken at 50' intervals over the entire grid with 25' intervals over areas of rapid magnetic variation. The results of the survey have been plotted at a scale of 1":200' and contoured at intervals of 10 gammas.

The entire grid was mapped geologically at a scale of 1":200' with special emphasis being placed on alteration, structure and mineralization. Thirty rock samples were analysed for Au, Cu, Pb, Zn, Ag and three test lines of humus samples were collected over the shaft area and analysed for Au, Cu, Pb, Zn.

## 2. PROPERTY DESCRIPTION

The Alice 'A' property consists of eighteen mining claims totalling 680 acres. The property is located approximately 50 miles east of the town of Fort Frances and 1.25 miles north of Trans Canada Highway 11, via the Manion Lake Road which crosses the southeast corner of the claim group.

Accommodations and supplies are available at the town of Mine Centre about 10 miles west of the property. A high tension Hydro transmission line and the main line of the Canadian National Railway lie 1/2 mile south of the property. Water is available from Little Turtle River which parallels the north boundary of the property. The property is traversed by a number of old logging trails providing tractor access.

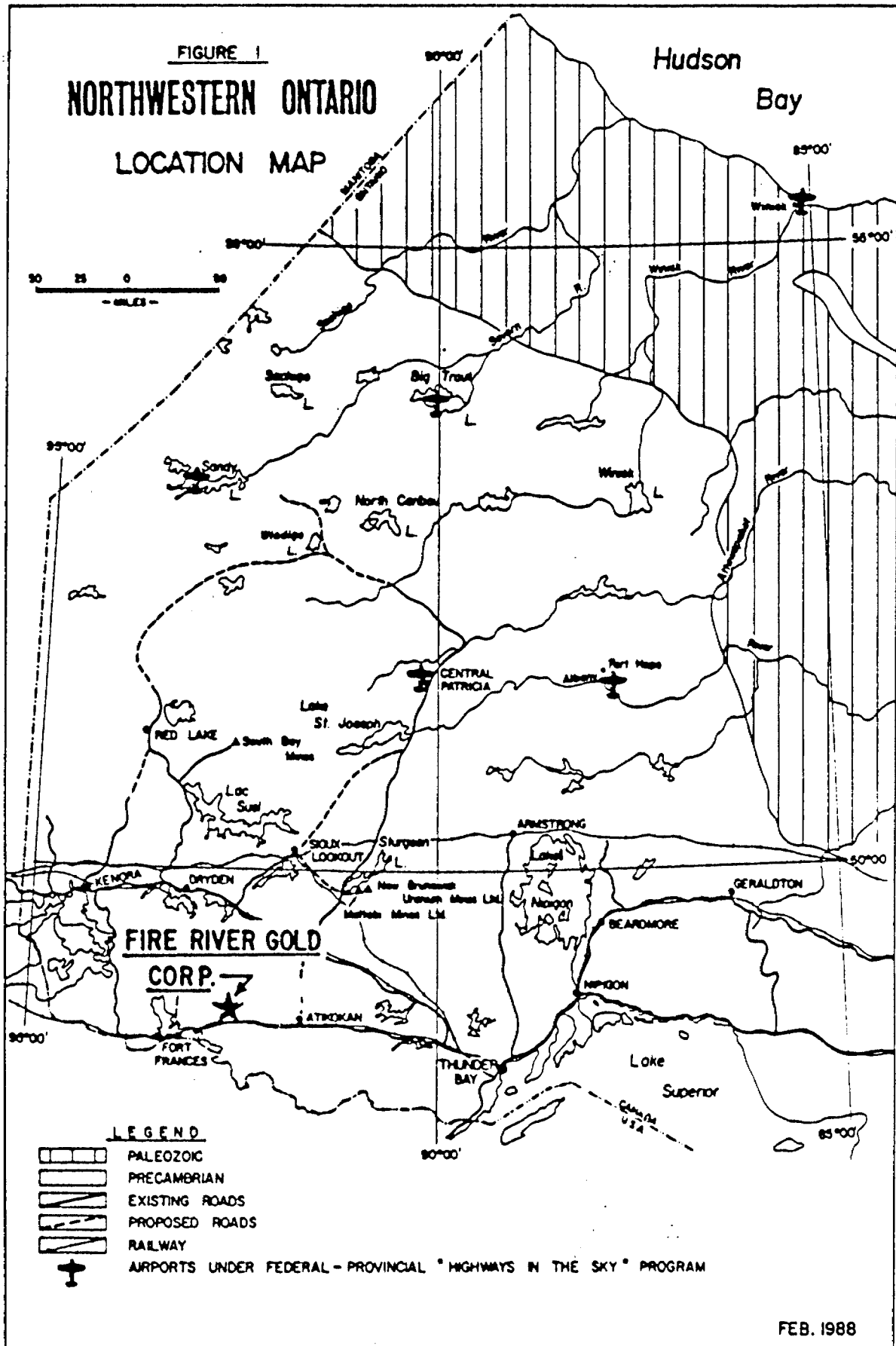
Topographically the property consists of gently rolling hills with outcrop, with intervening shallow valleys filled with sand and gravel. Vegetation consists of immature forest cover of spruce, pine and poplar.

All claims are in good standing and are registered under the name of Fire River Gold Corporation, 500-67 Richmond Street West, Toronto M5H 1Z5.

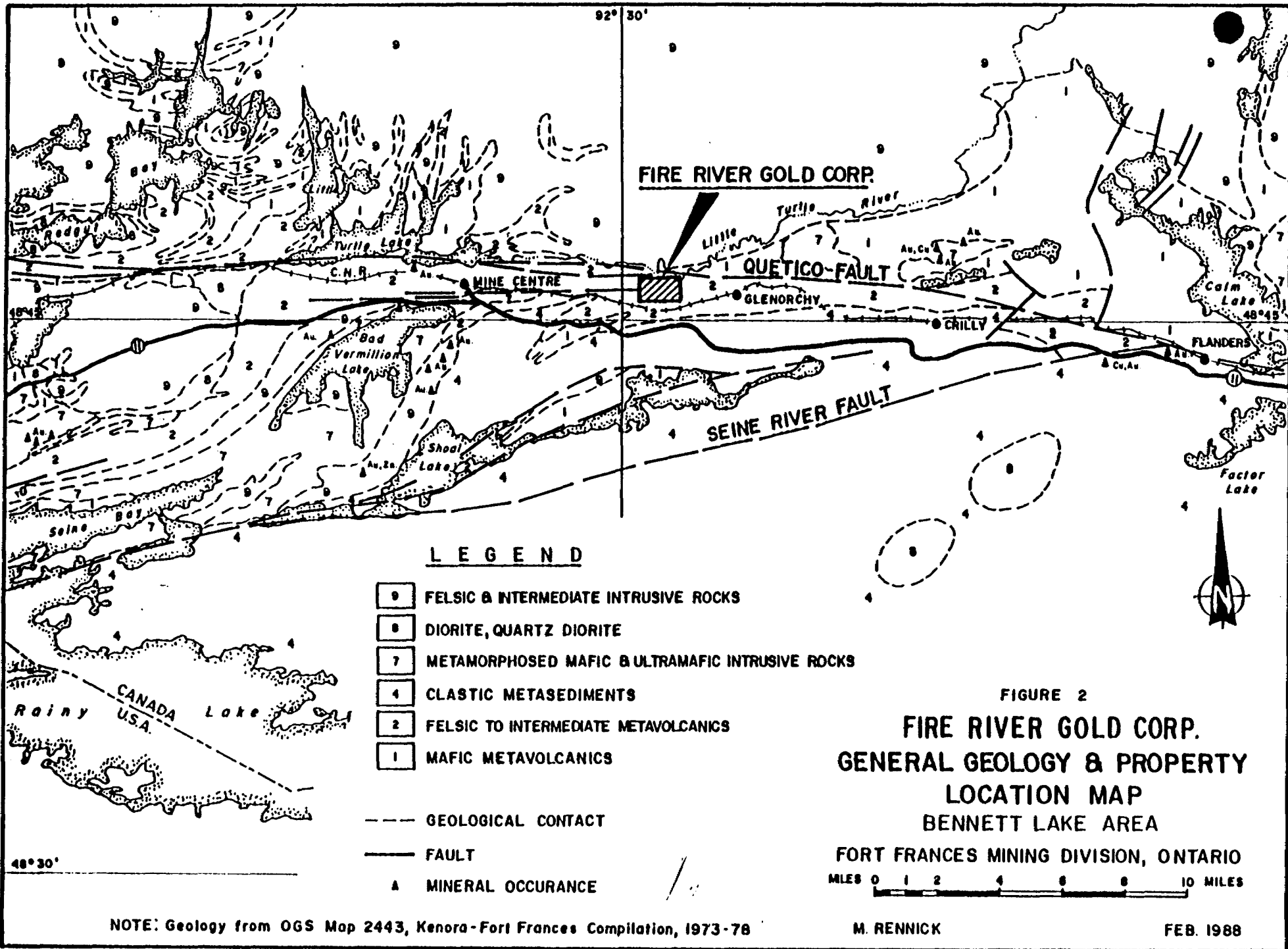
	No. of Claims	Date Recorded
K580422 and K580423	2	24/12/80
K975439	1	27/07/87
K975455 to 975469	<u>15</u>	27/07/87
Total Claims	18	

A report of work covering the present surveys has been filed on July 25, 1988. Subject to approval of the current programme, the claims will be in good standing until July 27, 1990.

FIGURE 1  
**NORTHWESTERN ONTARIO**  
**LOCATION MAP**







### 3. PREVIOUS WORK

The property was first worked in the late 1800's during a rush in gold exploration activity in the Mine Centre area at which time a number of mining patents were granted many of which are still in good standing. Government reports of the period record three different mineralized showings occurring on the present property, these include the Alice 'A' prospect and the Emma Abbott and Gold Bug occurrences.

The Alice 'A' prospect was worked by American-Canadian Gold Mining Company between 1897 and 1899 with the sinking of two shafts and minor drifting. A two stamp test mill was reportedly installed, however, it is uncertain if any ore was processed. No results are recorded from the trenching and pitting of the Emma Abbott and Gold Bug occurrences.

Other than some minor work conducted, in the 1920's, the property remained idle until 1975 when The Hanna Mining Company conducted a base metal exploration programme over a 149 claim group including the present property. Hanna conducted geological mapping, magnetometer and VLF electromagnetic surveys over the entire property with some detailed work and drilling away from the present Fire River Gold Corp. Alice 'A' property.

Phantom Exploration Services on behalf of Lynx Canada conducted an exploration programme over a large block of claims surrounding the Alice 'A' property. The perimeter claims of the Alice 'A' property were included

in the Lynx programme but the majority of the Alice 'A' property was not covered by the Lynx programme.

J.W. Redden staked claims K580422 and K580423 in December 1980 and has held the property since then. These two claims have 200 days assessment work on each claim consisting of mechanical stripping and geophysical surveys. In July 1987 Redden acquired an additional 16 claims enlarging the property to its present 18 claims.

The property was optioned from J.W. Redden by Fire River Gold Corp. who contracted the present work.

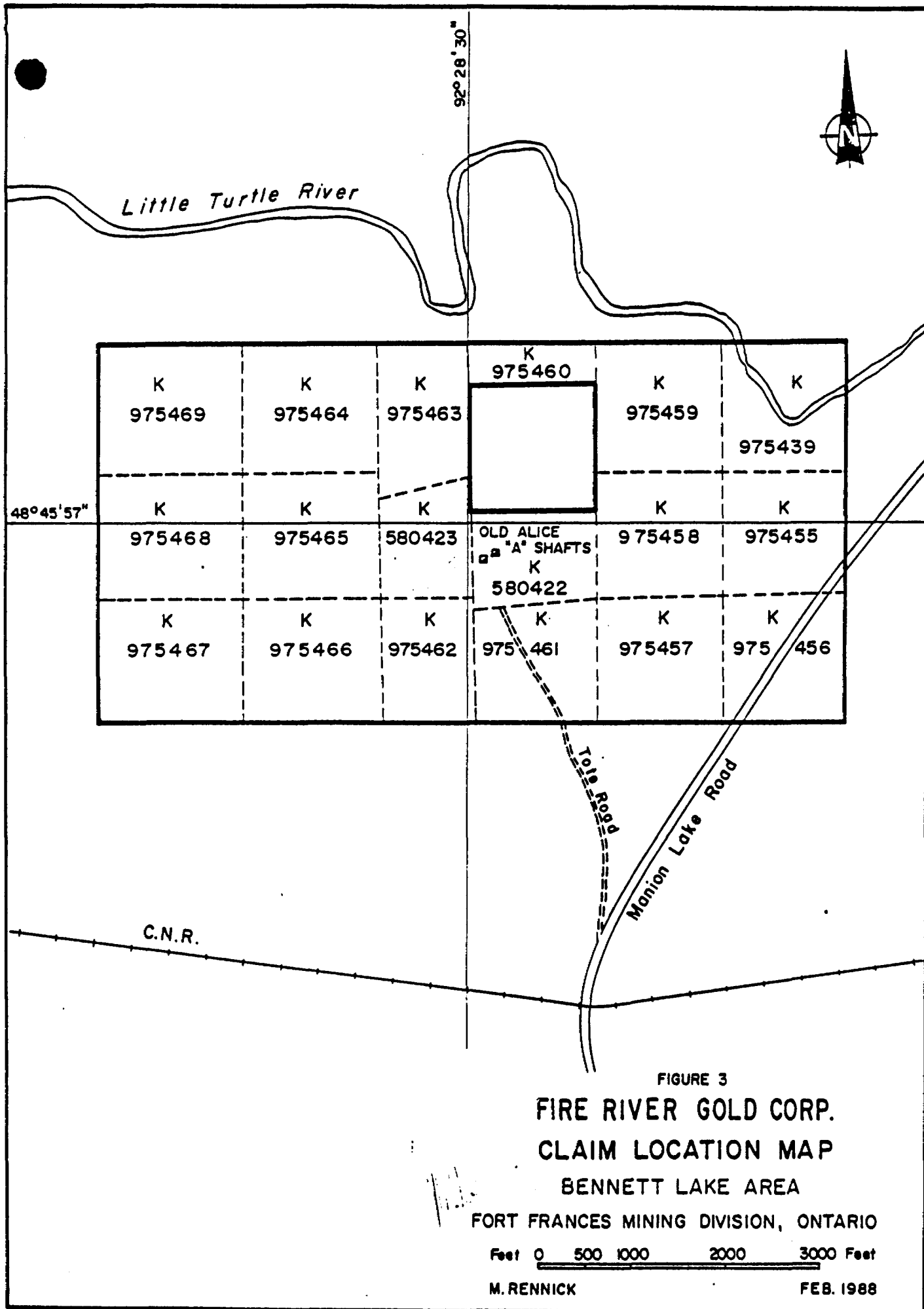


FIGURE 3  
**FIRE RIVER GOLD CORP.**  
**CLAIM LOCATION MAP**  
**BENNETT LAKE AREA**  
 FORT FRANCES MINING DIVISION, ONTARIO  
 Feet 0 500 1000 2000 3000 Feet  
 M. RENNICK FEB. 1988

#### 4. REGIONAL GEOLOGY

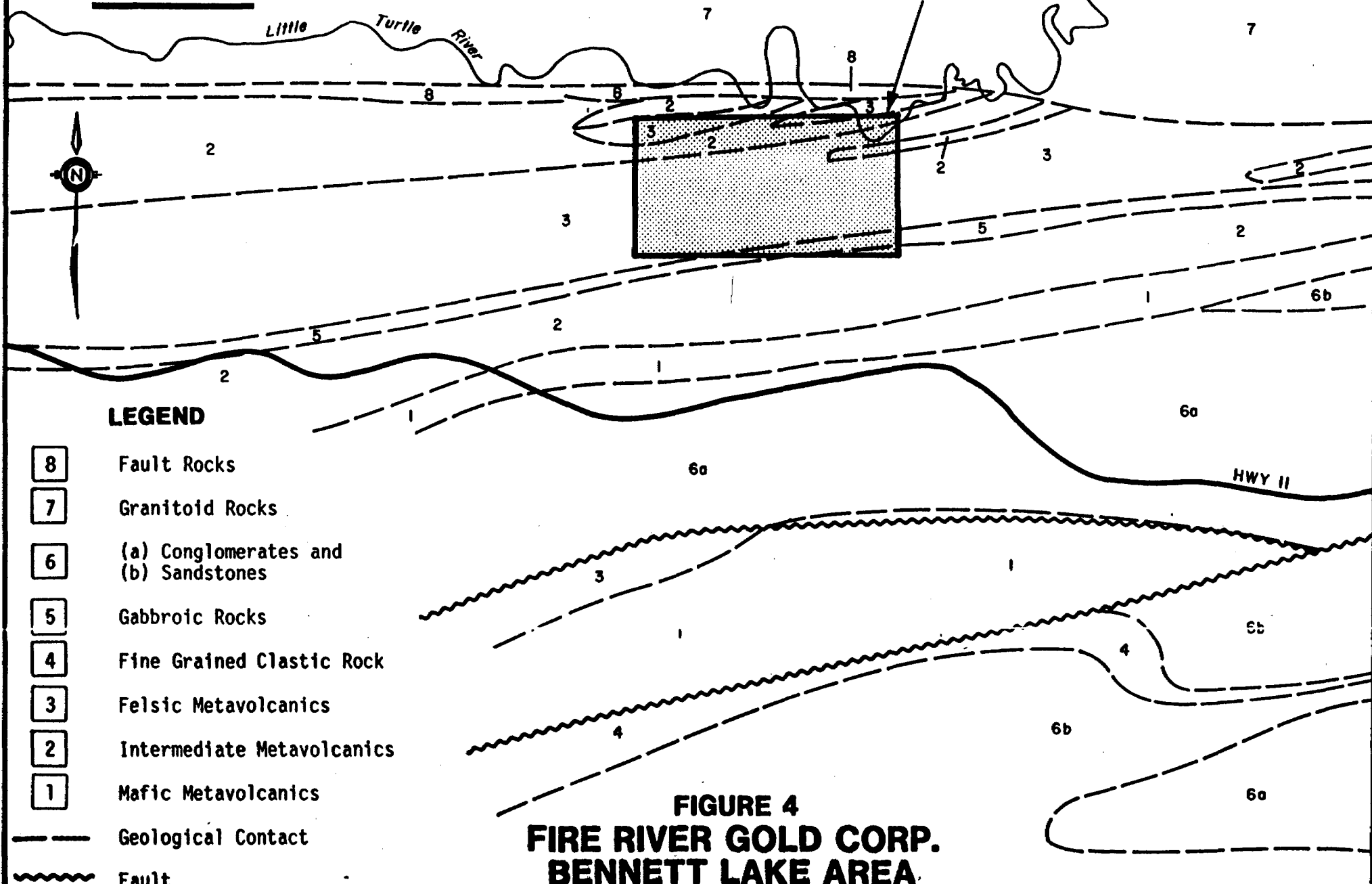
The rocks of the Mine Centre - Fort Frances area lie within the Atikokan greenstone belt in a fault bound wedge of metasedimentary and metavolcanics between the Wabigoon granite greenstone terrain to the north and the Quetico metasedimentary terrain to the south. The volcano-sedimentary wedge boundary is defined by the Quetico Fault to the north and Seine River Fault to the south. The rocks consist of mainly felsic to mafic volcanic units with a few sedimentary units. A large band of "Temiscaming type" conglomerate extends from Shoal Lake to Bennett Lake suggesting the presence of a long lived, deep seated "growth fault". The area has been intruded by a few gabbroic bodies which have been fractured and provide the host for the numerous small gold showings in the Shoal Lake, Little Vermillion Lake area. The rocks are metamorphosed to the mid to upper greenschist facies.

SCALE 1:50,000

THREE KILOMETRES

ONE MILE

ALICE "A"  
PROPERTY



**LEGEND**

- 8 Fault Rocks
- 7 Granitoid Rocks
- 6 (a) Conglomerates and (b) Sandstones
- 5 Gabbroic Rocks
- 4 Fine Grained Clastic Rock
- 3 Felsic Metavolcanics
- 2 Intermediate Metavolcanics
- 1 Mafic Metavolcanics

- Geological Contact
- ~ Fault

**FIGURE 4**  
**FIRE RIVER GOLD CORP.**  
**BENNETT LAKE AREA.**  
**REGIONAL GEOLOGY**

Note : Geology after Poulsen (1984)

## 5. PROPERTY GEOLOGY

During the current programme the Alice 'A' property was mapped at a scale of 1":200' on north-south grid lines spaced at 400' intervals.

### 5.1 Lithologies

The property is underlain by a series of felsic metavolcanics interlayered with narrow bands of mafic metavolcanics. These units are cut by occasional mafic sills and dykes. The felsic metavolcanics consist of rhyolitic flows and/or tuffs characterized by 1-3% grey-blue quartz-eyes and occasional feldspar phenocrysts, within a foliated siliceous groundmass. These units grade from fairly massive rhyolite to a well foliated sericite schist. Occasional fragmental units were also observed.

Mafic metavolcanics occur as weakly foliated units containing abundant fine grained green chlorite. No pillow selvages or other like flow structures were observed suggesting some of these units may in fact be fine grained intrusives. Observed contacts are generally diffuse or transitional with chlorite component increasing within the felsics over a 3-5 ft transition zone as the felsic units are approached.

The mafic intrusive units consist of medium grained chloritic units with 5-10% cream coloured feldspar phenocrysts and occasional quartz-eyes. Disseminated magnetite up to 1-2% is also present in this unit.

## 5.2 Structure

Geological mapping and magnetics indicate an east-northeast strike to the rock units on the property associated with a predominant 080° bedding parallel penetrative foliation dipping from 70° north to vertical. Lineations indicate a plunge in the foliation plane at 70° to the east. The foliation is thought to be parallel to the east-west trending Quetico fault to the north of the property. In general the felsics are moderate to well foliated while the mafic units show intense foliation/shearing along contacts but are generally weakly foliated towards the interiors.

Several small scale quartz filled tension gashes occur within the felsic units as foliation parallel quartz veinlets and as en echelon quartz lenses or stockworks trending at 140° suggesting dextral shearing. It is within these en echelon quartz lenses that the known mineralization occurs on the property. The nature of this type of quartz veining suggests the possibility of several discontinuous en echelon veins to the east.

## 5.3 Alteration

Ferroan carbonate (ankerite ?) alteration predominates in the felsic metavolcanics as indicated by a rusty stain along foliation planes and as individual 1-2 mm rhombs within the matrix of the felsics. Carbonate within the



mafic metavolcanics varies from intense along felsic-mafic contacts to minor carbonate within the interior of the flow units.

Intense ferroan carbonate alteration and silicification was noted in the shaft area and at numerous other locations along strike of the main shaft. The Emma Abbott and Gold Bug occurrences occur within this alteration horizon giving a strike length of at least 1 mile of pods of intense alteration and sulfide (Pb, Zn) mineralization.

Sericite is prevalent within the felsic units which when well foliated are transformed into sericite schists.

## 6. MAGNETOMETER SURVEY

A magnetometer survey was carried out using a Scintrex MP-2 portable magnetometer. Readings were taken at 50' intervals over the entire grid with readings at 25' intervals over areas of rapid magnetic variation. The results of the survey have been plotted at a scale of 1":200' and contoured at intervals of 100 gammas.

The magnetic survey proved useful in detailing the outline of the major lithologic units as observed during geological mapping. The survey also identified several thin bands of high magnetic relief trending east-west which are thought to be thin mafic intrusive dykes or sills. The magnetics also identified several areas of low magnetic relief, one of which corresponds to the altered/mineralized horizon of the Alice 'A', Goldbug and Emma Abbott showings. These magnetic lows are possibly related to altered horizons within the felsic and therefore are promising units to explore. The magnetics show a general east-west trend to the structure/stratigraphy with occasional possible north-northwest trending cross faults. These magnetic lows and cross faults have been plotted on the geological map enclosed with this report.

## 7. ECONOMIC GEOLOGY

The primary exploration target on this property is the Alice 'A' prospect and its strike extension. Strong carbonate alteration was noted along strike for up to 1 mile with sulfide mineralization in quartz veining noted at the Emma Abbott and Gold Bug occurrences. Sampling of the Alice 'A' suggested a strong lead-zinc-gold association. Though sampling along strike failed to locate other Au mineralization good lead-zinc mineralization was noted along strike in association with quartz veins, the Pb-Zn-Au signature seen at the shaft area does not persist at these locations. This zone appears to be paralleling the Ouetico Fault and most probably is structurally controlled.

## 8. CONCLUSIONS AND RECOMMENDATIONS

Through the present programme the following information was obtained.

1. A zone of alteration was noted within the felsic volcanic unit with a strike length of at least one mile containing scattered mineralized quartz veining.
2. An ore grade Au value was obtained from a single grab sample of quartz in the vicinity of the Alice 'A' shaft with associated highly anomalous Cu, Pb, Zn and Ag values.
3. Anomalous Cu, Pb, Zn and Ag values were obtained along strike at both the Gold Bug occurrence to the west and the Emma Abbott occurrence to the east. Values of up to 1.8% Zn were obtained from grab samples of quartz from the Gold Bug occurrence.
4. The Alice 'A' is situated on an alteration-structural feature of regional significance, which may be related to major faulting to the south and north of the property.

These surveys have established some strike continuity to the Alice 'A' gold zone, over a strike length of at least a mile. Although the Alice 'A' "Horizon" is only weakly mineralized in terms of gold, beyond the Alice 'A' shaft area. Further work is warranted to test the horizon for gold zones which may be blanketed by overburden.

The following programme is recommended to test this possibility.

Phase I

- a) The existing grid should be infilled over the horizon to give line spacing of 200 ft.
- b) HLEM surveys should be conducted over this grid.
- c) A programme of humus sampling should be run over the grid, with analysis for Au, Pb, Zn, Cu.

Phase II

Induced polarization/resistivity surveys should be carried out over anomalous areas located in Phase I.

Phase III

Drilling of targets identified in Phases I and II.

We are also of the opinion that some regional sampling be carried out along strike from the claims and along the main highway where rocks of similar appearance have been identified.

### BUDGET

#### Phase I

a) Line cutting 0 - 14+00S at 200 ft spacing over property 4.5 miles @ \$400/mile	\$ 1,800
b) HLEM survey, 9 miles @ \$400/mile	3,600
c) Humus sampling of anomalies identified from Mag and HLEM 700 samples @ \$20/sample (including collection)	14,000
d) Compilation and interpretation	<u>3,000</u>
Sub-Total	\$ 22,400

#### Phase II

a) IP survey over anomalies approx. 3 miles @ \$1,500/mile	<u>\$ 4,500</u>
Sub-Total	\$ 26,900

#### Phase III

a) Drilling, 2000 ft @ \$35/ft all inclusive	<u>\$ 70,000</u>
Sub-Total	\$ 96,900
Contingency	<u>\$ 13,100</u>
TOTAL	\$110,000


## SOURCES OF INFORMATION

- Hogg, Nelson M., 1975: Geological Report on Mine Centre Project of The Hanna Mining Company; OGS File No. 2.2297.
- McWilliams, G. and Ali, A., 1974: Mine Centre - Entwine Lake Sheet; Ont. Mines, Preliminary Map P.965. Scale 1 in. to 2 mi.
- Mordaunt, Peter, 1985: Lynx Canada Explorations, Alice "A" Property - a geological report; OGS File No. 2.7798.
- Muhic, J., 1976: Magnetic and Electromagnetic Reports on Mine Centre Project of The Hanna Mining Company; OGS File No. 63.3367.
- Poulsen, K.H., 1984: The geological setting of mineralization in the Mine Centre - Fort Frances area, District of Rainy River; OGS Open File Report 5512.
- Redden, James, W.: Reports on Mining Claims K-580422 and K-580423 (Alice "A" Mine), including sampling, magnetic and electromagnetic data; OGS File Nos. 2.6399, 2.8241, and 2.10548.
- Rennick, M.W., 1988: Report on the Fire River Gold Corp. Alice "A" Property Company Files.
- Spence, I., 1984: Geophysical Report, VLF EM-16 and Proton Magnetometer Surveys for Lynx Canada Explorations Limited; OGS File No. 2.6748.
- Ontario Bureau of Mines
- |      |                             |
|------|-----------------------------|
| 1894 | Volume IV, pg. 29.          |
| 1898 | Volume VII, pt. 2, pg. 129. |
| 1899 | Volume VIII, pgs. 1-46.     |
| 1900 | Volume IX, pg. 75           |
- Ontario Division of Mines
- |      |  |
|------|--|
| 1976 | Mineral Deposit Circular 16, pg. 7.  |
| 1980 | Map 2443, Compilation Series, Kenora-Fort Frances Sheet. Scale 1 in. to 4 mi.  |
| 1980 | Ontario Geological Survey, Geophysical/Geochemical Series, Map 80504, Atikokan - Mine Centre Area (Western Part). Airborne Electromagnetic Survey - Scale 1:31,680 - and Total Intensity Magnetic Survey - Scale 1:20,000. |

## CERTIFICATE

I, Ronald J. Hampton of the Town of Maple Grove, Quebec do hereby declare:

1. I am a graduate of McGill University receiving a B.Sc. (honours) in 1985 and have been practising in this field since then.
2. I am a consulting geologist residing at 207 Maple Grove Blvd., Maple Grove, Quebec J6N 1L4.
3. This report is based on personal examination of the property conducted during the period July 1 - July 20, 1988.
4. As a consulting geologist to Fire River Gold Corp. I do not have any direct or indirect interest in the property or securities of the company nor do I expect to receive any in the future.

  
\_\_\_\_\_  
Ronald J. Hampton, B.Sc.  
Consulting Geologist



Appendix 1

<u>Sample No.</u>	<u>Coordinates (approx.)</u>	<u>Comments</u>
27501	Shaft #1	Quartz veining from main shaft area, 305% sulphide py-ga-sph-cpy
27502	Shaft #1	Grab sample of quartz veining main shaft area with minor sulphide
27503	Shaft #1	Grab sample of wall rock from main shaft area, strong carbonate alteration, moderate sericite, minor py
27504	L 10W/3+00N	Quartz veining from trench, minor py
27505	L 1E/3+50S	Carbonate shear in mafic dyke, minor quartz veining, no sulphide, 1 m chip sample
27506	L 6W/1+00S	Quartz veining, from pit - strong carbonate in wall rock
27507	L 8W/11+00S	Quartz veining from felsic volc minor py and tourmaline
27508	L 8W/5+00S	Quartz veining near contact between mafic and felsic volc, very minor veining, good carb in veining
27509	L 12W/5+50N	Carbonatized and sheared mafic volc, 1 m chip sample
27510	L 16W/7+00N	Silicified and quartz veined felsic volc, minor py
27511	L 12W/8+00S	Carbonatized mafic volc, minor py
27512	L 12W/13+50S	Strong carbonate - moderately silicified felsic volc
27513	L 12W/16+00S	Composite chip sample of quartz veining within sericite schist
27514	Shaft #2	2 m chip sample of wall rock shaft #2, strong carbonate alteration
27515	1 km east of Manion Lake Road on Hwy. 11	10 m chip sample of weakly pyritized sericite schist

<u>Sample No.</u>	<u>Coordinates (approx.)</u>	<u>Comments</u>
27516	4 km west of Manion Lake Road on Hwy. 11	Sericite schist moderately silicified with very minor py
27517	5 km west of Manion Lake Road on Hwy. 11	3 m chip sample - sericite schist, minor quartz veining
27518	L 24W/2+00S	Sheared felsic with abundant quartz stringer and well developed sericite schist
27519	L 20W/21+50S	Altered carbonate-sericite felsic schist, dark coloured, similar to wall rock in shaft area
27520	L 24W/11+50S	Felsic schist, moderate carbonate/strong foliation
27521	L 24W/6+00S	Quartz in felsic volc, up to 1% py - hematite staining in quartz, grab sample from trench
27522	L 24W/6+00S	Quartz veining as above, up to 10% sphalerite
27523	L 28W/11+50S	1 m chip sample - strongly carbonatized, mineralized sph-py quartz veining in felsic volc
27524	L 28E/6+70S	Quartz carbonate chlorite vein from dump of pit, 1% py
27525	L 28E/6+70S	
27526	L 28E/6+70S	Carbonatized zone with 3-5% finely disseminated py within felsic volc
27527	L 28E/6+80S	Sericitized-carbonatized felsic, strong shear
27528	L 28E/6+80S	Quartz veining from trench dump, minor py - felsic host
27529	L 24E/8+00S	Sericite schist silicified with 2% fine disseminated pyrite
27530	L 24E/9+50S	Strongly sheared sericite schist, moderately silicified, 1-2% fine disseminated py



# ASSAYERS (ONTARIO) LIMITED

33 CHAUNCEY AVENUE, TORONTO, ONTARIO M8Z 2Z2 • TELEPHONE (416) 239-3527  
FAX (416) 239-4012

## Certificate of Analysis

Certificate No. CU-51/7873

Date: July 13, 1988

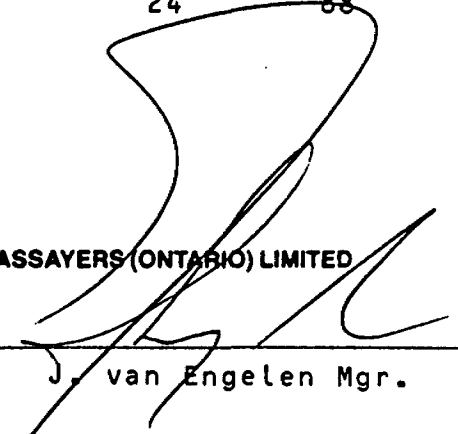
Received \_\_\_\_\_ 17 Samples of Rock

Submitted by Curtis and Associates Att'n: Mr. L. Curtis  
c.c. Mr. R. Hampton

Project: Alice 'A'

Sample No.	Au ppb/oz/ton	Ag ppm	Cu ppm	Pb ppm	Zn ppm
27501	7210 .21	5.9	257	5750	5260
27502	88	.7	42	330	159
27503	77	.5	18	107	58
27504	66	.6	33	414	123
27505	71	.6	98	119	53
27506	64	<.1	28	65	40
27507	55	.1	24	67	36
27508	79	.2	15	55	96
27509	154	1.6	88	40	101
27510	81	.3	25	40	137
27511	61	.7	80	49	217
27512	71	.1	25	28	89
27513	69	.9	19	250	132
27514	80	.1	22	51	47
27515	77	.5	51	67	107
27516	56	.5	48	58	109
27517	72	1.4	24	88	65

ASSAYERS (ONTARIO) LIMITED

Per  \_\_\_\_\_  
J. van Engelen Mgr.



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FAX (416) 239-4012

## Certificate of Analysis

Certificate No. CU-52/7915 Date: July 26, 1988  
Received 13 Samples of Rock  
Submitted by Curtis & Associates Inc. Att'n: Mr. L. Curtis  
c.c. Mr. R. Hampton

Project # Alice 'A'

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
27518	49	.3	26	21	31
27519	25	<.1	20	14	11
27520	34	2.2	53	1029	4999
27521	33	6.6	111	2324	1.27 %
27522	38	3.0	269	248	1.34 %
27523	40	2.9	437	247	1.82 %
27524	13	.2	59	13	497
27525	27	.4	86	55	192
27526	46	.3	24	30	104
27527	33	.4	30	33	63
27528	106	.3	55	15	531
27529	54	.3	104	14	795
27530	53	.7	173	36	678

ASSAYERS (ONTARIO) LIMITED

Per   
J. van Engelen Mgr.

7873


**ASSAYERS (ONTARIO) LIMITED**

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DAY	DATE MONTH	YEAR	SHIPPED VIA
13	07	88	

SOLD TO ▶ **Curtis & Associates Inc.**  
 Attention Mr. L. Curtis  
 1270-20 Toronto Street  
 TORONTO, Ontario  
 M5C 2B8

1.5% LATE CHARGE OVER 30  
 DAYS (ANNUAL RATE 18%)

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
17	Au Rock Geochem	\$ 8.75	\$ 148.75
17	Ag Rock Geochem	\$ 4.50	\$ 76.50
17	Cu, Pb, Zn Rock Geochem	7.50	127.50
17	Sample Prep.	3.00	51.00
Cert. No. CU-51 July 13/88			
<b>TOTAL</b>			<b>\$ 403.75</b>

MOORE'S "HYDRAFLY" 3 PATENTED 1974, 1970, 1981 MOORE'S CLEANPRINT™ PATENTED 1963, 1980, 1979
**INVOICE**





Ontario



52C16SW8245 2.11617 BENNETT LAKE

900

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

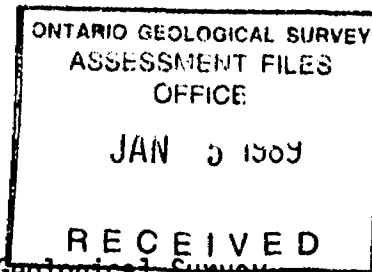
December 22, 1988

Mining Lands Section  
3rd floor, 880 Bay Street  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-4888

Your file: W8801-188  
Our file: 2.11617

Mining Recorder  
Ministry of Northern Development and Mines  
808 Robertson Street  
P.O. Box 5200  
Kenora, Ontario  
P8N 3X9



Dear Sir:

Re: Notice of Intent dated December 7, 1988 - Geological Survey,  
Geophysical (Magnetometer ) Survey and Data for Assaying  
submitted on Mining Claims K 975439 et al in Bennett Lake Area

The assessment work credits, as listed with the above-mentioned Notice of Intent,  
have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your  
records.

Yours sincerely,

W.R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

RM.  
RM:p1  
Enclosure

cc: Mr. G.H. Ferguson  
Mining and Lands Commissioner  
Toronto, Ontario

Five River Gold Corp.  
Suite 500  
67 Richmond Street West  
Toronto, Ontario  
M5H 1Z5

Resident Geologist  
Kenora, Ontario

Curtis and Associates  
Suite 1270  
20 Toronto Street  
Toronto, Ontario  
M5C 2B8  
Attn: Mr. Ronald J. Hampton





Recorded Holder	Five River Gold Corp.
Township or Area	Bennett Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer <u>40</u> days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>18</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K 975439 975455 to 459 inclusive 975461 to 469 inclusive

Special credits under section 77 (16) for the following mining claims

20 days Magnetometer and  
18 days Geological

K 975460

No credits have been allowed for the following mining claims

- not sufficiently covered by the survey       insufficient technical data filed



Report of Work  
(Geophysical, Geological,  
Geochemical and Expenditures)

DOCUMENT No.  
**W8801-188**

Instructions: - Please type or print.  
- If number of mining claims traversed exceeds space on this form, attach a list.  
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. Do not use shaded areas below.

*Sept 14*

Type of Survey(s) **2.110** Mining Act  
**GEOLOGICAL MAPPING AND MAGNETOMETER SURVEY**

Claim Holder(s) **(JAMES REDDEN) FIRE RIVER GOLD CORP.**

Address **(BOX-117, WABIGOON, ONT. P.O. 240) 500-67 Richmond St. West, Toronto M5H 1Z5**

Survey Company **CURTIS AND ASSOCIATES**

Date of Survey (from & to) **01 07 88 22 07 88**  
Day | Mo. | Yr. | Day | Mo. | Yr.

Total Miles of line Cut **13.4**

Location or Area **G.2667**  
**BENNETT LAKE AREA**

Prospector's Licence No. **(E-23950) T.5181**

Name and Address of Author (of Geo Technical report)  
**RONALD J. HAMPTON C/O 1270 - 20 TORONTO ST. TORONTO ONT. M5C 2B8**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	20
	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	
Electromagnetic	
Magnetometer	
Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
K	975439	3
	-----	
	975455	3
	975456	3
	975457	3
	975458	3
	975459	3
	975460	3
	975461	3
	975462	3
	975463	3
	975464	3
	975465	3
	975466	3
	975467	3
	975468	3
	975469	2

**RECEIVED**  
**AUG 2 1988**  
**MINING LANDS SECTION**

**KENORA MINING DIV.**  
**RECEIVED**  
**JUL 26 1988**  
AM 9:28 PM  
7 8 9 10 11 12 1 2 3 4 5 6

**975439**

Total number of mining claims covered by this report of work. **16**

Expenditures (excludes power stripping)

Type of Work Performed  
**ASSAY OF ROCK SAMPLES**

Performed on Claim(s)  
**AS LISTED ABOVE**

Calculation of Expenditure Days Credits

Total Expenditures **\$ 712.50** ÷ **15** = **47.5** Total Days Credits

Instructions  
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded **1007** Date Recorded **July 26/88** Mining Recorder **Scott Rivett**

Date Approved as Recorded **July 26/88** Branch Director **Scott Rivett**

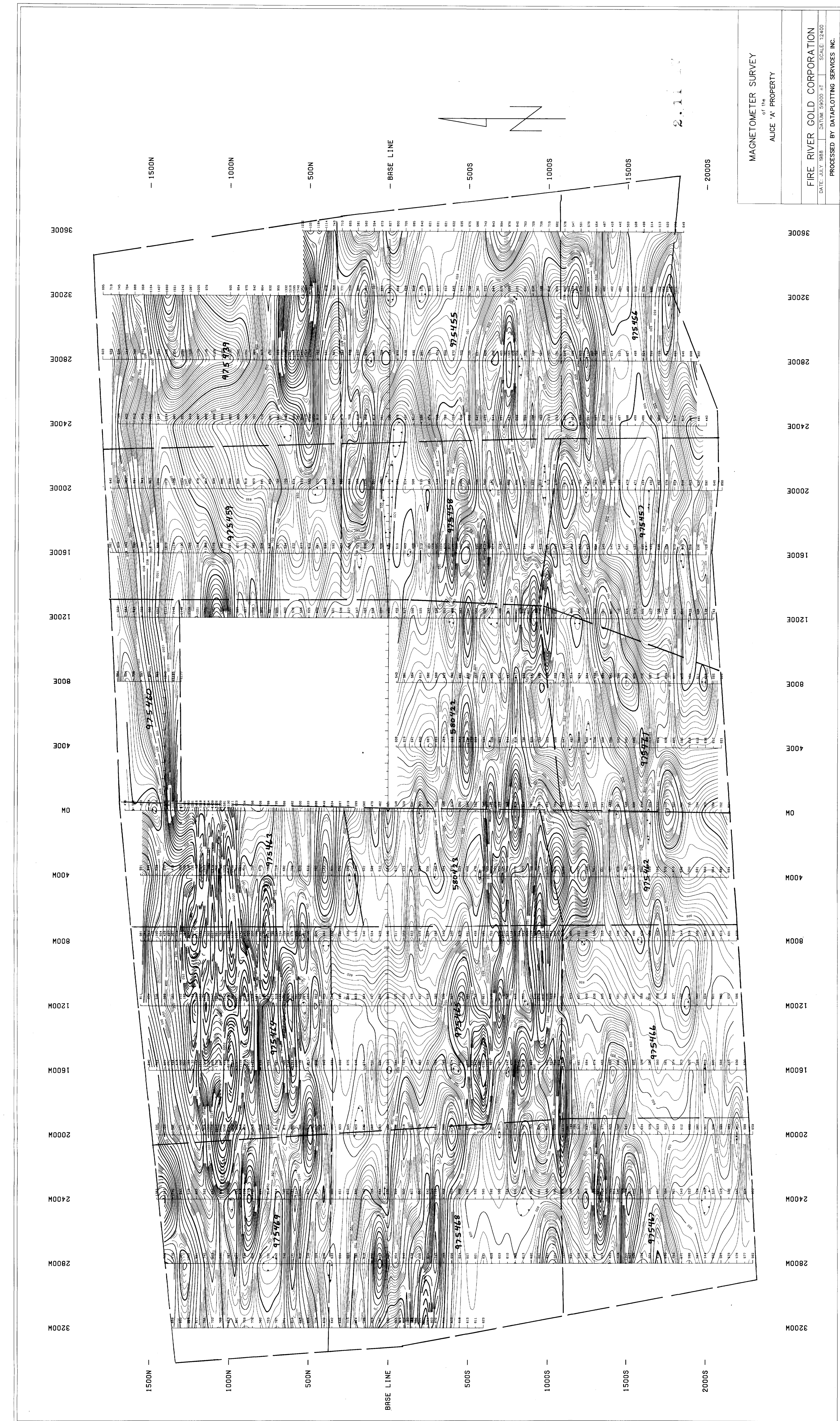
Date **JULY 25, 1988** Recorded Holder or Agent (Signature) **Ronald J. Hampton**

Certification Verifying Report of Work

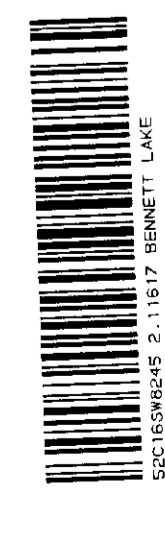
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

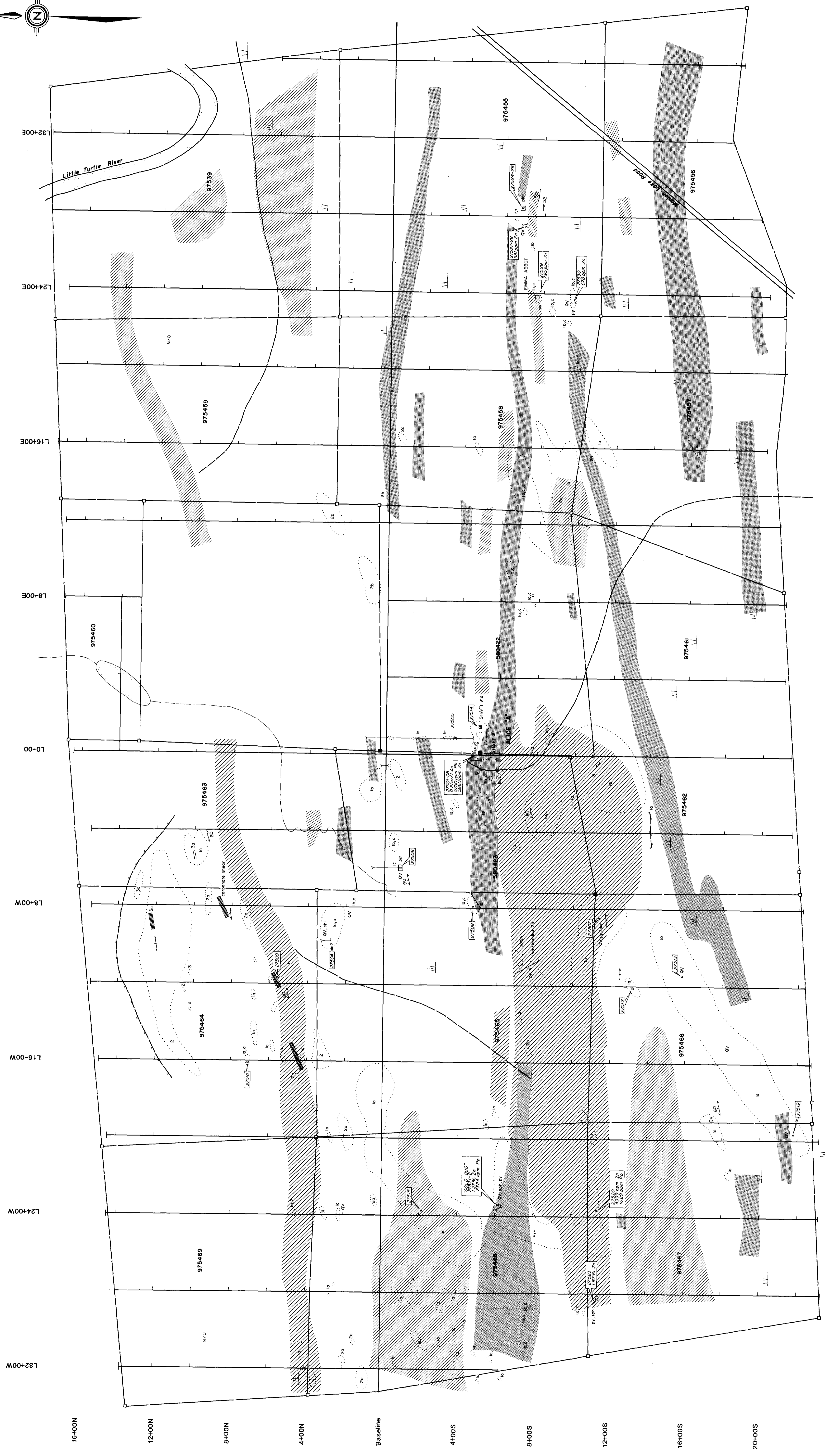
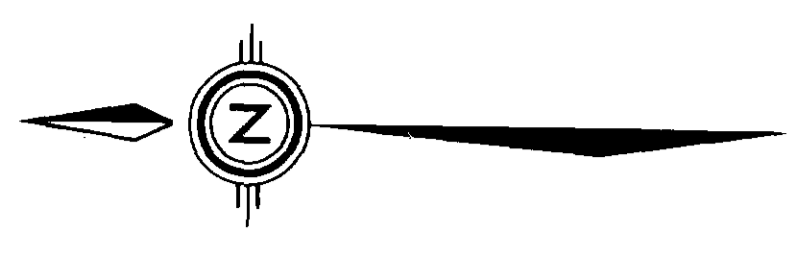
Name and Postal Address of Person Certifying  
**RONALD J. HAMPTON C/O CURTIS AND ASSOCIATES SUITE 1270 20 TORONTO ST. TORONTO ONTARIO M5C 2B8**

Date Certified **JULY 25 1988** Certified by (Signature) **Ronald J. Hampton**



MAGNETOMETER SURVEY  
of the  
ALICE 'A' PROPERTY  
FIRE RIVER GOLD CORPORATION  
DATE: JULY 1988    DATUM: 5900D NT    SCALE: 1:2400  
PROCESSED BY DATAPLOTTING SERVICES INC.





16+00N  
12+00N  
8+00N  
4+00N  
Baseline  
4+00S  
8+00S  
12+00S  
16+00S  
20+00S

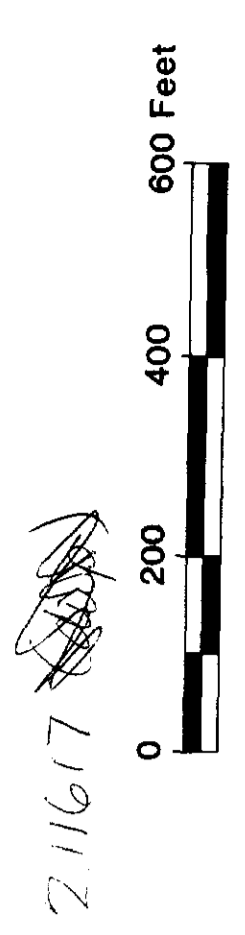
L32+00W  
L24+00W  
L16+00W  
L8+00W  
L0+00W  
L8+00E  
L16+00E  
L24+00E  
L32+00E

LEGEND

- 3 MAFIC INTRUSIVE
- 3a Medium grained quartz-eye magnetite
- 2 MAFIC METAVOLCANIC
- 2a Fine grained
- 2b Medium grained
- 1 FELSIC METAVOLCANIC
- 1a Quartz-eye Rhyolite
- 1b Sericite Schist
- 1c Carbonatized
- 1d Silicified

SYMBOLS

- Quartz veining
- Pit
- Trench
- Outcrop
- Sample location
- Claim post
- Claim line
- Claim number
- Trail
- Swamp
- Intermittent stream
- Geological contact
- Strong shear
- Lineation with plunge
- Foliation with dip
- Area of low magnetic susceptibility
- Area of higher magnetic susceptibility



FIRE RIVER GOLD CORPORATION  
Alice 'A' Property

GEOLOGICAL and GEOPHYSICAL  
COMPILATION MAP

Bennett Lake, Ontario

Dwg. No. \_\_\_\_\_

