52C16SW8249 2.13429 BENNETT LAKE

010

2.13429

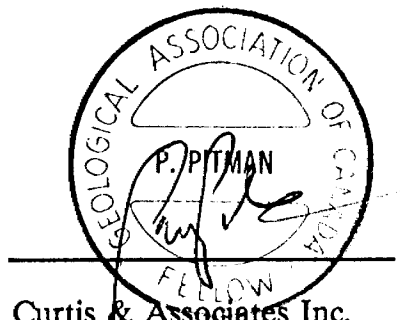
EXPLORATION PROGRAMME - 1990
'ALICE A' PROPERTY
BENNETT LAKE AREA - NW ONTARIO
NTS 52C/16

FIRE RIVER GOLD CORP.

RECEIVED

JUL 23 1990

MINING LANDS SECTION



Curtis & Associates Inc.
P. Pitman, B.Sc., Associate

52C16SW8249 2.13429 BENNETT LAKE

010C

TABLE OF CONTENTS

APPENDIX

1. Certificate of the Author

2. Work Permit; 1990-91-226

3. Ministry of Natural Resources - Report of Work

4. Field Data; VLF Survey; Seattle, Washington Transmitter NLK 24.8 KHZ

5. Maps: VLF-EM Survey Profile Map
   VLF-EM Survey Filtered Data, Contoured Map

6. List of Samples plus Assay Records (Chemex Lab)

7. Letter of Interpretation VLF-EM Data - Quantech Consultants Inc.

1990 Exploration Programme - 'Alice A' Property

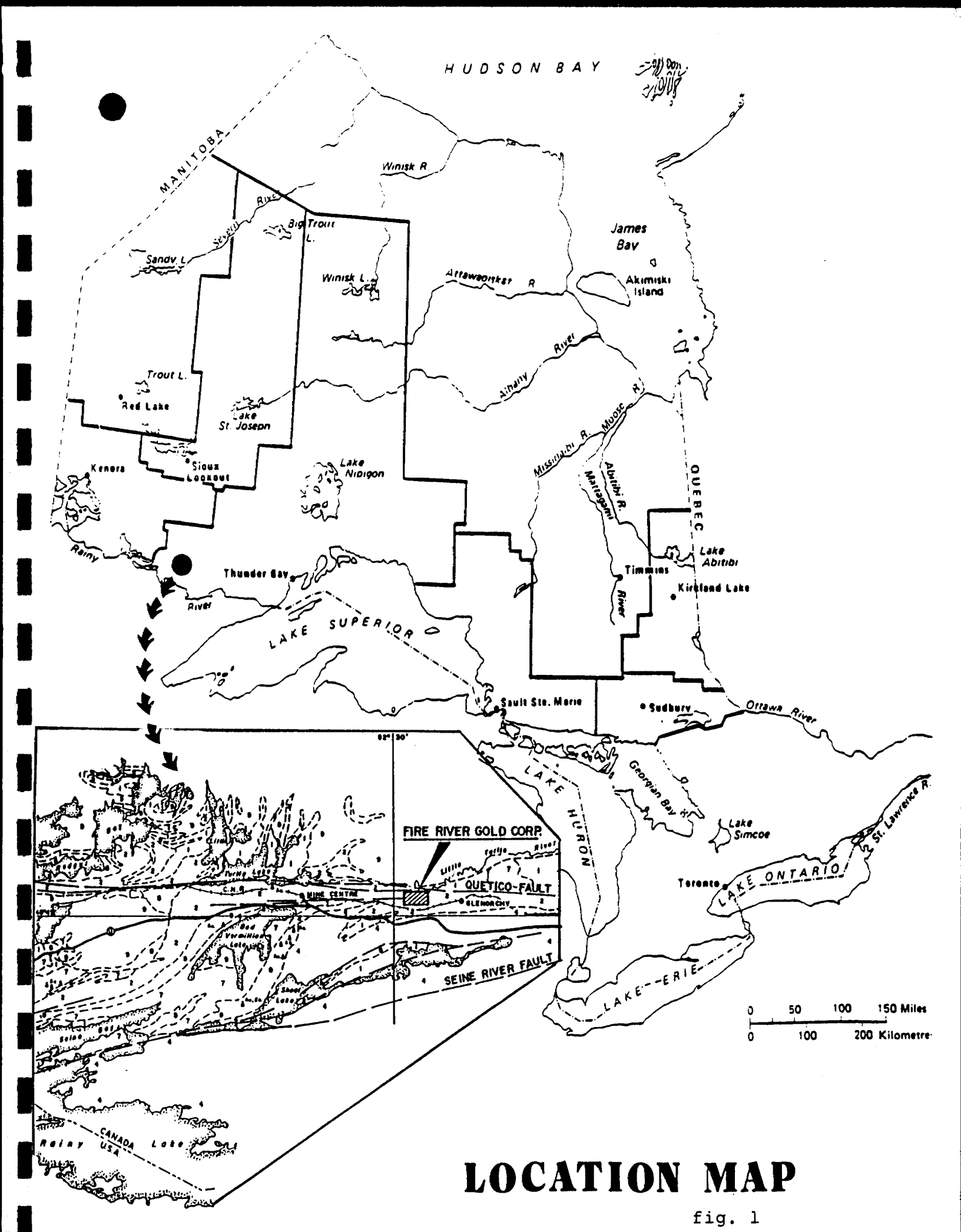
1. LOCATION, ACCESS

The property is located one mile north of Trans Canada Highway No. 11, 50 miles east of the town of Ft. Francis or 7.4 miles east of the small hamlet of Mine Center (Figure 1). Direct access to the southeast corner of the property is by Manion Lake Road, an all-season, well maintained gravel road. An old drill road leads directly to the center of the claim group but is not passable except by a four-wheel drive vehicle.

2. PROPERTY DESCRIPTION

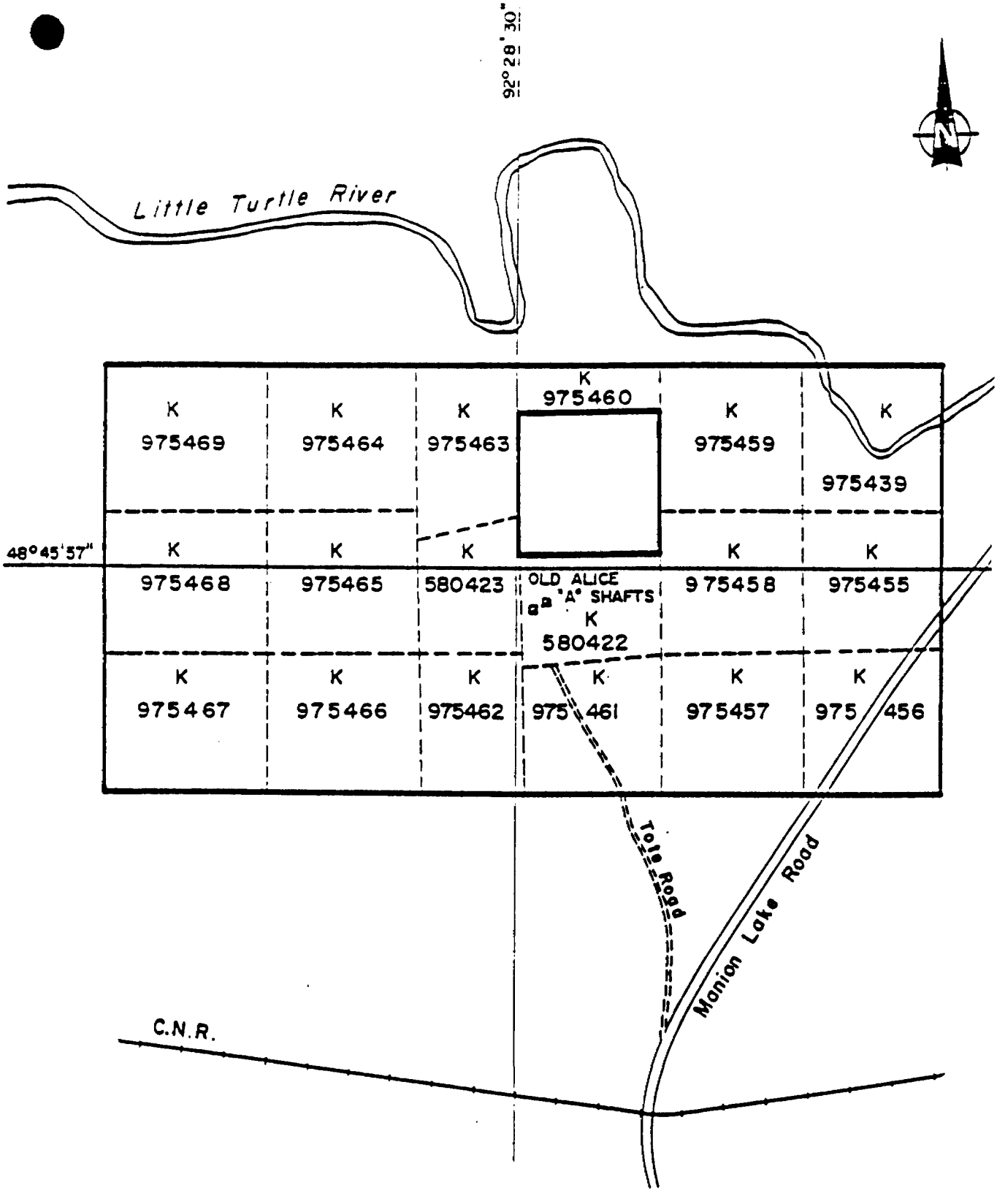
The 'Alice A' property is composed of a single group of 18 claims, all of which are wholly owned and registered under the name of Fire River Gold Corp.

Claim Number	No. of Claims	Date Recorded
K580422-423	2	24/12/80
K975439	1	27/07/87
K975455-469	15	27/07/87
TOTAL	18	



LOCATION MAP

fig. 1



CLAIM MAP

Bennett Lake Area

fig 2.

The current work, carried out by Curtis & Associates Inc., Toronto, geological consultants for the Company, effectively renewed the claims to their respective anniversary dates in 1991.

3. PREVIOUS WORK HISTORY BY FIRE RIVER GOLD CORP.

The past work record of exploration in the area of the claims and that by Fire River Gold Corp. from 1987 to 1989 has been summarized in survey reports submitted as assessment to the Ministry of Natural Resources. Table 1 lists the reports on file and the work carried out.

TABLE I - REPORTS OF WORK

Report	Work
Rennick, M.W. (Feb. 12, 1988): Report on the Fire River Gold Corp. 'Alice A' Property	Geological report, summary of work history from 1893 to 1987
Hampton, R.J. (July 1988): Report on the Fire River Gold Corp. 'Alice A' Property	Line cutting, geological mapping and sampling of outcrops, magnetometer survey
Hampton, R.J. (Feb. 9, 1989): Humus Sampling - Fire River Gold Corp. 'Alice A' Property	Geochemical survey; humus sampling

4. 1990 WORK PROGRAMME

Exploration to this point has outlined several geochemical anomalies in gold with or without base metal values. Many of these anomalies coincide with magnetic low trends which have been interpreted to possibly reflect alteration zones in the volcanic rocks or to reflect structural features such as shearing and/or faulting.

The most cost effective commonly used procedure to further explore such targets is by way of trenching. The method was selected, as access to the 'Alice A' property is excellent and outcrop is relatively abundant on the claims. In order to prioritize the targets for trenching a VLF-EM survey was carried out to further define structural zones and areas of possible sulfide enrichment.

4.1 Geophysical Survey

In early June a contract was awarded to Canterex Industries Inc. of Thunder Bay to carry out a VLF-EM survey covering the entire grid. A total of 1,185 stations or 11.2 line miles were read at 50 foot station intervals along lines spaced at an interval of 400 feet. A VLF EM-16 unit was utilized with a 24.8 KHZ crystal capable of receiving the signals from the station located at Seattle, Washington. This raw data was plotted in profile

form at a scale of 1" = 200' and later processed by Quantech Consulting Inc. of Toronto into a contoured 'frazer-filtered' map.

4.2 Trenching

In order to examine the mineral potential of the geochemical and geophysical targets several trenches were dug following the interpretation of the results of the VLF-EM survey. Coincident gold and zinc humus geochemical anomalies $\pm$ a magnetic low $\pm$ an EM conductor were selected as the favoured target. Locations of strong EM conductive zones without supportive geochemical data were considered secondary, but important targets as the entire grid had not been geochemically sampled.

Table II summarizes the location of the trenches dug plus an explanation for the examination of the targeted site. This table also includes a list of the areas examined in the field which were considered valid targets, but not trenched, as the ground conditions at the site were unsuitable for trenching.

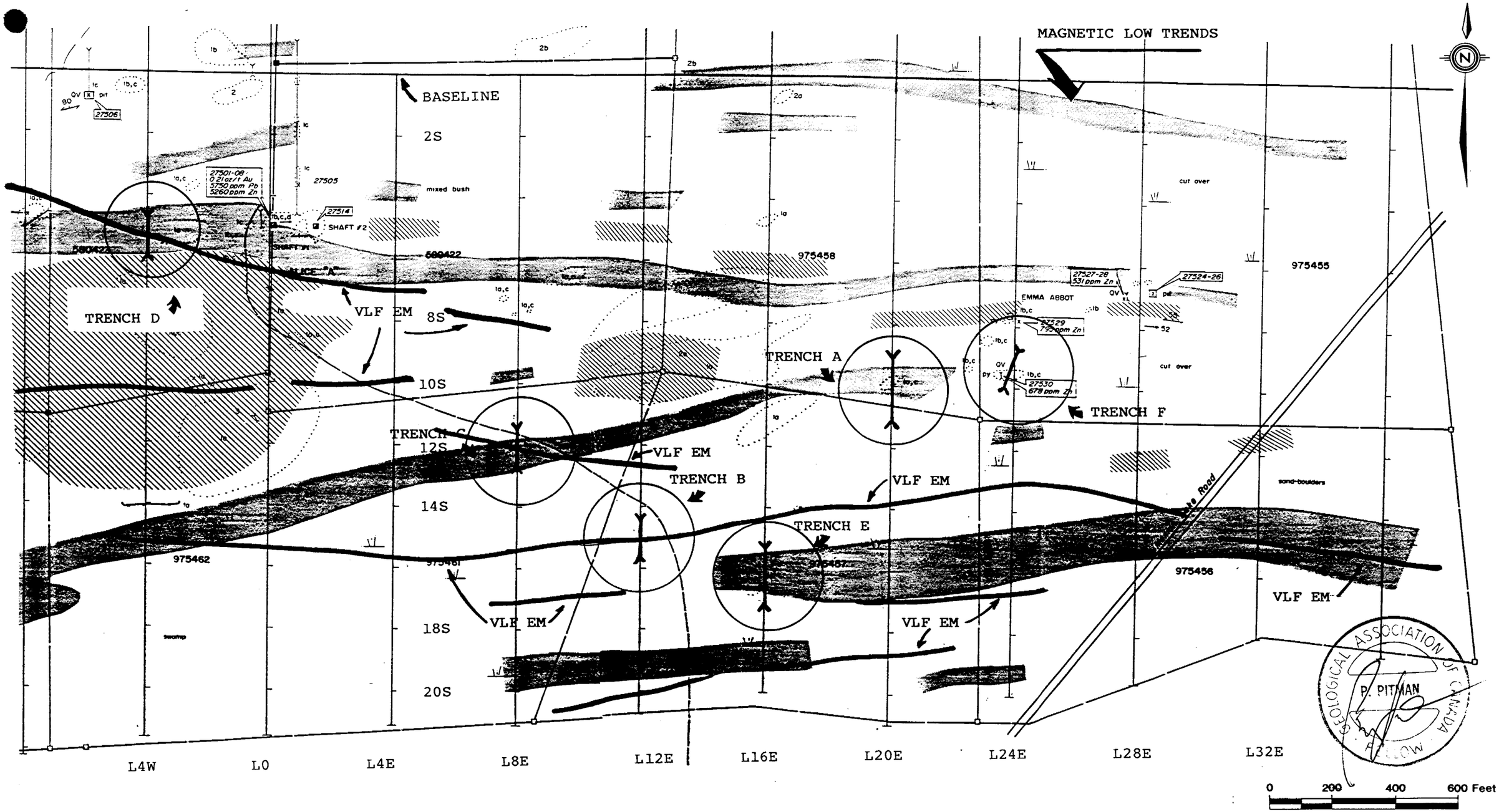
Figure 3 locates the trenched areas on the geological plan map prepared in 1988 by Fire River Gold Corp. (Reference: Hampton, R.J. - July 1988).

TABLE II - TRENCHING

(A)	L20E 9+00S - 11+00S	Magnetic low, Au/Zn humus anomaly
(B)	L12E 14+00S - 15+00S	Strong VLF-EM anomaly - E/W structural feature (?)
(C)	L8E 11+50S - 12+50S	Magnetic low, weak Zn humus anomaly, 700' VLF-EM anomaly in strike length
(D)	L4W 5+00S - 6+00S	Magnetic low, strong VLF anomaly at 5+50S - possible bedrock structural feature (?)
(E)	L16E 15+70S - 17+00S	Magnetic low, weak Au/Zn humus anomaly
(F)	L24E 9+00S - 10+00S	Quartz veining (Emma Abbot showing), Zn humus anomaly

---

(-)	L20E BL - 1+00S	Magnetic low, 600' strike VLF-EM anomaly, strong Au/Zn humus anomaly (not trenched - swampy ground)
(-)	L20E 13+50S - 14+50S	Strong VLF-EM anomaly (not trenched, swamp)
(-)	L20E 15+50S - 16+50S	Magnetic low, moderate Au, weak Zn humus anomaly (not trenched - swamp)
(-)	L4W 14+00S - 15+00S	Magnetic low, weak Au humus anomaly (not trenched - cliff edge)
(-)	L8W 14+50S - 15+50S	Strong Zn, weak Au humus anomaly, strong VLF-EM conductive trend (not trenched - cliff edge)
(-)	L8W 4+00S - 6+00S	Strong humus anomaly, magnetic low (previously trenched, all water filled, swamp on either side of outcrop)
(-)	L28E 14+00S	Strong VLF-EM conductor axis (not trenched, swamp)



GEOLOGICAL ASSOCIATION OF CANADA
P. PITMAN
FELLOW

FIRE RIVER GOLD CORPORATION

Alice "A" Property

fig 3

5. RESULTS

5.1 Geophysical Survey - VLF-EM

The VLF-EM survey outlined numerous, generally east-west striking conductive zones paralleling the trend and schistosity of the greenstone rocks and magnetic contours. Two, long, linear conductive features were found to cross-cut the geology:

(i) a strong continuous northwest bearing conductive zone north of the baseline from L28W to L0 where it is offset southward by 200 feet into short, broken conductors; and

(ii) a continuous conductive zone from L32W to L4E south of the base line.

The east-west conductors were found to roughly parallel the strike of the magnetic low contours but none of the more persistent and strong conductors were found to be coincident with a magnetic anomaly.

An analysis of the in-phase and quadrature profiles plus the frazer-filtered data by Quantech Consultants Inc. suggested that many of the conductors reflected conductive overburden rather than bedrock features. None of the conductors were explained by the trenching programme.

5.2 Trenching

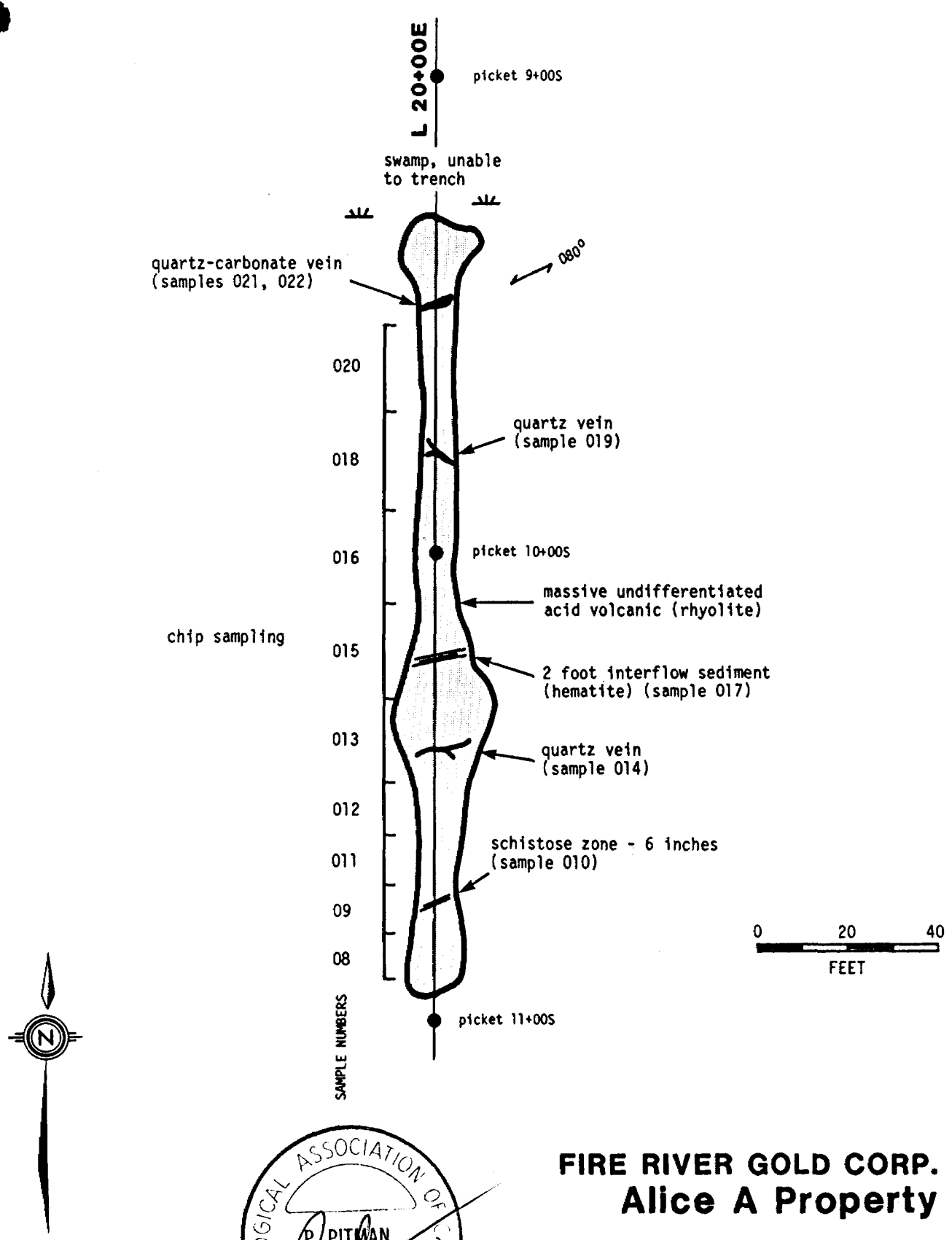
Several trench sites were selected, however only a few could be reached and dug by backhoe. Due to an unusual amount of spring and summer rains much of the swampy areas were enlarged, producing very soft and muddy ground conditions which could not support the weight of the equipment. Consequently, some of the better targets (see Table II) could not be trenched due to bad ground conditions.

The following text describes the results of trenching areas A through F (see Figures 3, 4).

Trench A: L20E, 9+00S - 11+00S (200') - Claim 975458 (samples 08-022)

A total of 160 feet of overburden averaging 1-2 feet in depth was stripped from an outcrop of massive to platy, featureless acid volcanic. This volcanic was fairly uniform in texture, but did vary from being a massive, white to pink, cherty rhyolitic rock to an augen textured, highly siliceous rhyolite with a platy cleavage striking 060-080° with a vertical or near vertical dip.

The rhyolite was cut by narrow (¼ - 1") white, bull quartz veins which appear to be unmineralized (samples 014, 019). No sulfides were noted in the quartz veins or in the rhyolite host. One 2 foot band of argillaceous interflow sediment was mapped. This



GEOLOGICAL ASSOCIATION OF CANADA
P. PITMAN
FELLOW

FIRE RIVER GOLD CORP.
Alice A Property

Trench A

JULY 1990

Figure 4a

slaty, dark red-brown bed was entirely hematized and could be the cause of the weak zinc geochemical anomaly.

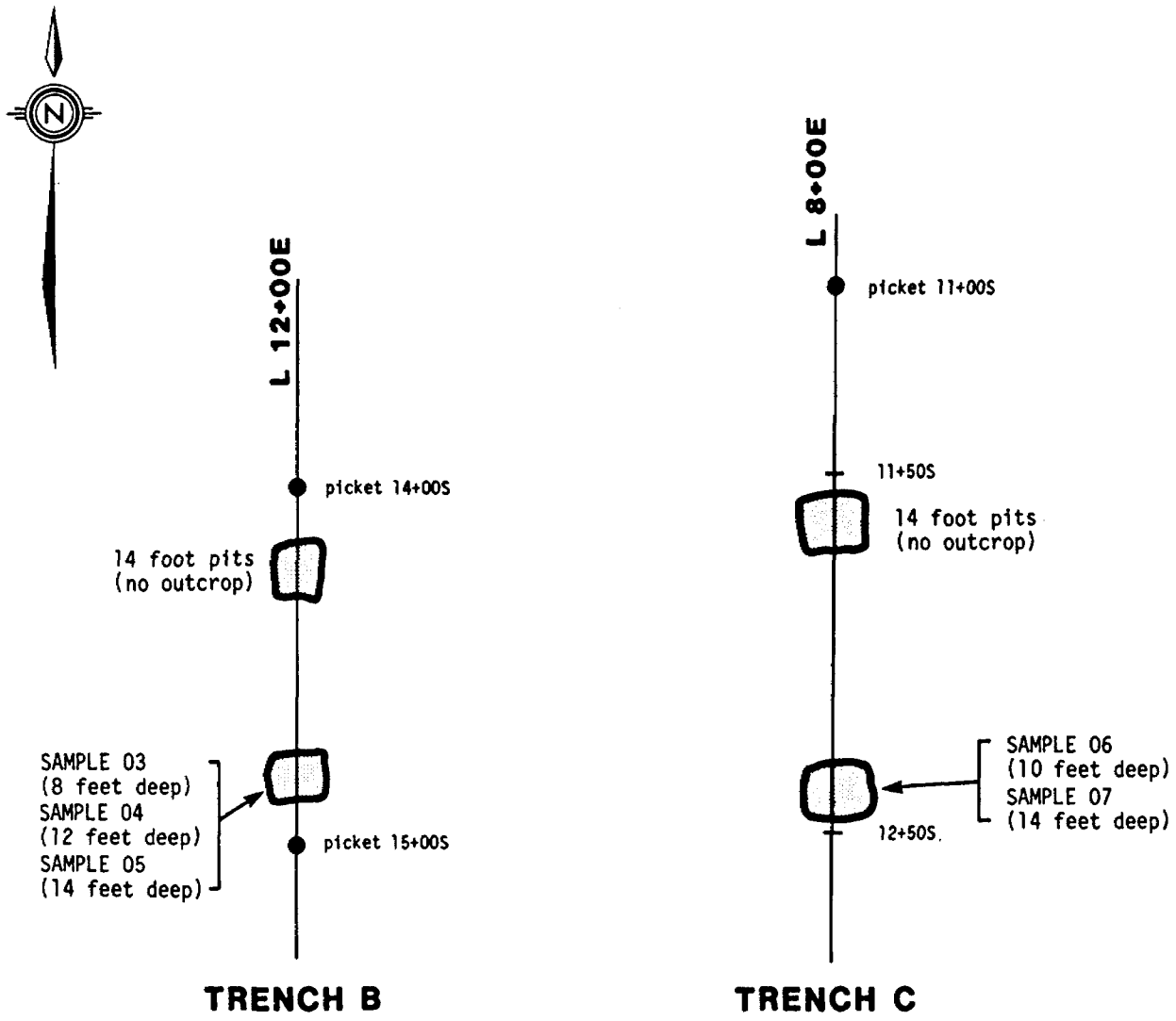
The only potentially mineralized section in the trench was the uncovering of a 2 - 2½ foot wide quartz-carbonate vein at about 9+50S. The vein at this locality appeared to be controlled by a broad fracture striking 080° and infilled with quartz, carbonate and chloritized volcanic fragments. Only minor hematite was noted, however blasting to fresh unweathered rock would likely uncover sulfides in the vein. Samples 021 and 022 are grab samples of the vein material.

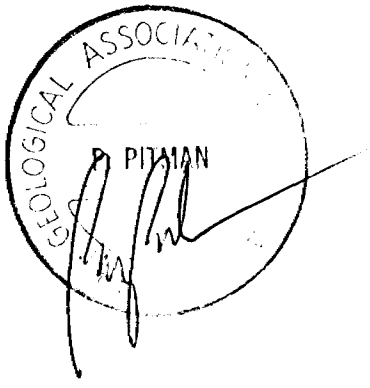
Trench B: L12E; 14+00S - 15+00S (100') - Claim 975457

Trench C: L8E; 11+50S - 12+50S (100') - Claim 975461
(Samples 03-07)

Both trenches are discussed together as neither intersected bedrock and both penetrated identical sections of overburden. Several pits were excavated along a 100 foot strike length and backfilled with the same material.

Approximately 1-2 feet of black organic matter was removed which passed directly into a 6-8 foot thick section of light grey massive clay. This clay bed was sharply underlain by a distinct, highly laminated grey clay containing rhythmic interbeds of red-brown iron enriched clay layers. In Trench B this section was underlain by 2 feet of gray, silty clay





FIRE RIVER GOLD CORP.
Alice A Property

Trench B,C

JULY 1990

Figure 4b

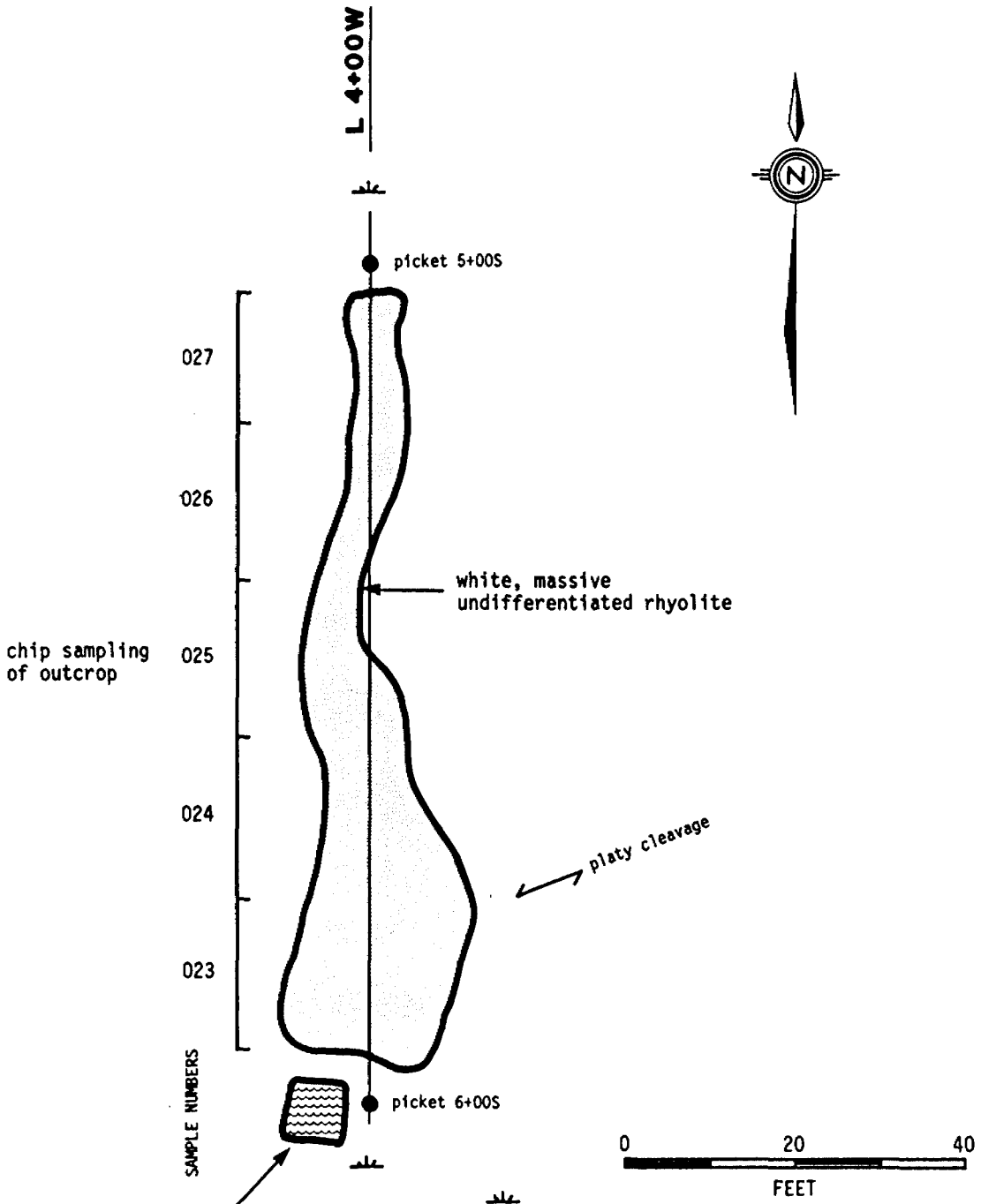
while in Trench C it was underlain by a grey, quartz-rich sand layer. At about 14 feet the water table was intersected in both trenches and it was not possible to dig deeper.

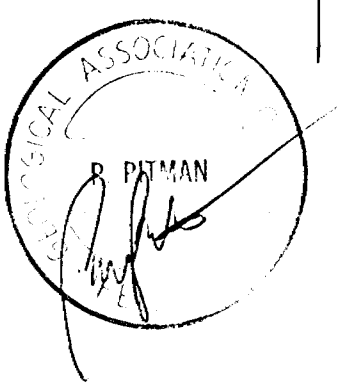
Depth to bedrock remains unknown in both localities. It is possible that the VLF-EM conductor is due to the water-filled sand horizon or possibly related to the iron-enriched clay horizons.

Trench D: L4W; 5+00S - 6+00S (100') - Claim 580423 (Samples 023-027)

An outcrop was stripped and sampled over a 100 foot strike length. No mineralization in the form of major quartz veining or sulfide enrichment was observed in any portion of this trench, nor could an explanation be found for the VLF-EM anomaly or magnetic low.

The rock exposed was an unaltered, white, massive, highly siliceous to cherty looking acid volcanic of probable rhyolitic composition. An occasional ¼" wide, barren quartz vein cross-cut the volcanic and minor hematitic staining was observed along fracture planes. No concentration of quartz veining or iron staining was noted.





FIRE RIVER GOLD CORP.
Alice A Property

Trench D

Figure 4c

JULY 1990

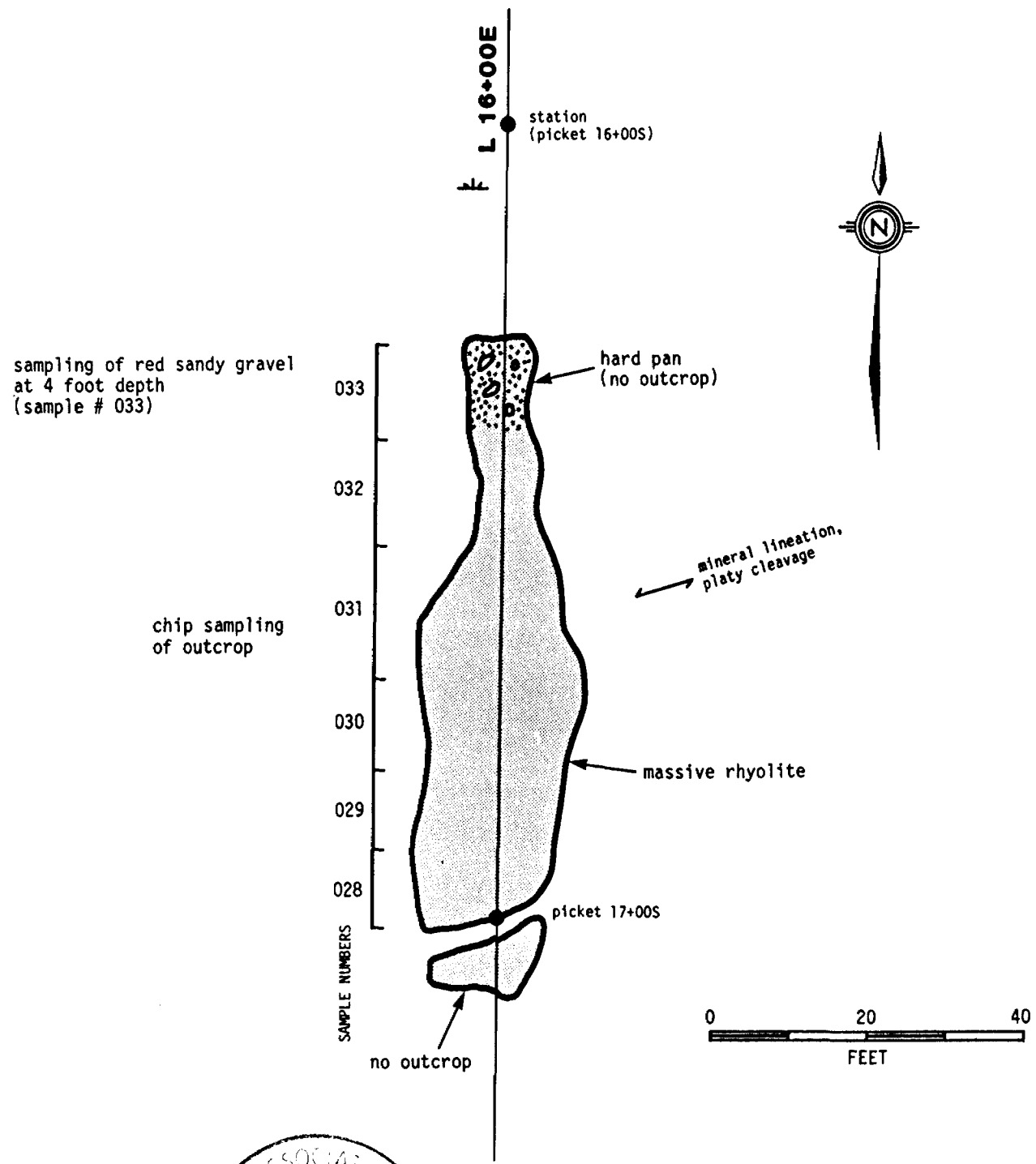
Trench E: L16E; 15+70S - 17+00S (130') - Claim 975457 (Samples 028-033)

Massive, unmineralized and unaltered rhyolite was uncovered over a 130 foot strike length. This white to light pink, aphanitic, highly siliceous rock was both massive to augen textured and in places exhibited a platy cleavage striking 086° with a near vertical dip. Only a trace of disseminated pyrite (less than 1%) was noted in one area (Sample 032). No explanation for the weak gold and zinc humus geochemical anomaly and magnetic low could be found as a result of trenching.

Trench F: L24E; 9+00S - 10+00S (100') - Claim 975455 (Samples 034-042)

Trenching at this site centered on examining several, narrow quartz veins exposed in two old pits located 20-60' west of line 24E (Emma Abbott showing) as well as a zinc humus geochemical anomaly.

From 10+00S to 9+50S several ¼" - 3' wide isolated white, bull quartz veins were located trending roughly parallel to the strike of the rhyolite (080-090°) and dipping vertically. The most northerly trench, 2 feet deep, 2 feet wide by 10 feet in length exposed three narrow (¼" - 3") barren quartz veins over a one foot interval (samples 034, 035, 036). Only one of the veins extended to the bottom of the trench. The most southerly pit measured 2.5 feet by 3 feet and is possibly up to 3 feet deep. The pit was



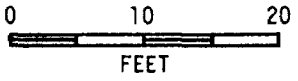
FIRE RIVER GOLD CORP.
Alice A Property
Trench E

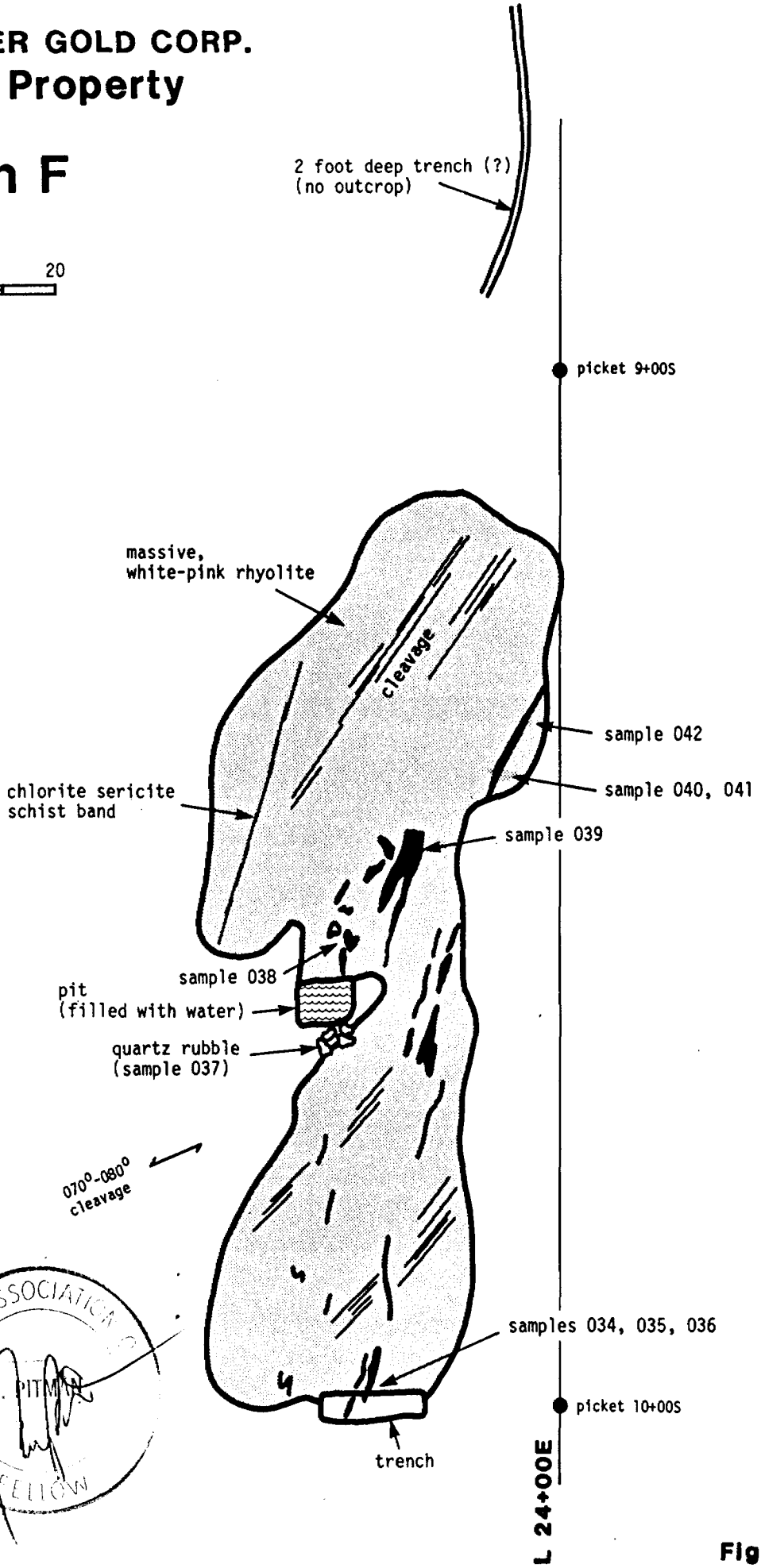
Figure 4d

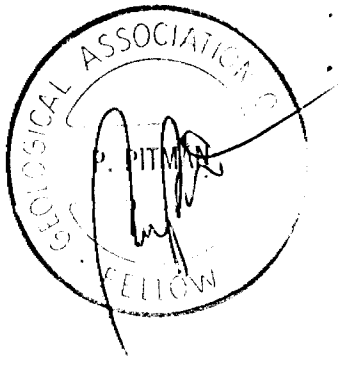
JULY 1990

FIRE RIVER GOLD CORP.
Alice A Property

Trench F







JULY 1990

Figure 4e

filled with water, however a pile of quartz rubble adjacent to the pit contained fragments of quartz vein material, again not visibly mineralized (Samples 037, 038, 039).

From 9+50S to 9S a previously undiscovered quartz-carbonate vein was uncovered by trenching. Unlike the 'bull' quartz veins which are folded, boudinaged and erratic in their distribution this 1-1.5' vein is both continuous and linear over the 50 foot strike that the vein has been exposed (Samples 040, 042). The vein is identical to that discovered in Trench A at 10+60S with the one exception of having pyritic and schistose hanging and footwall rocks extending up to 1 foot from the vein (Sample 041). Further trenching would be required to establish (i) the continuity of the vein from L20 to L24E and (ii) whether this vein is fracture controlled (as it would appear in Trench A) or emplaced within a broader structure.

6. CONCLUSIONS AND RECOMMENDATIONS

The exploration work carried out to date has not discovered any significant gold mineralization on the 'Alice A' property (see Appendix 6 - Assay Results). The quartz-carbonate vein uncovered in Trench A and Trench F assayed only slightly above background (75-310 ppb gold).

The geophysical targets (magnetic low trends and VLF-EM anomalies) have not been explained. Where trenched, the areas of magnetic lows have not been found to be related to strong or even weak alteration zones in the acid volcanics nor was any evidence seen that they represent a structural feature such as shearing or faulting. The strong VLF-EM conductive trends could not be tested by trenching due to swampy ground conditions or due to the presence of thick clay overburden.

It is recommended that no further work be carried out on this claim ground.

APPENDIX

1. Certificate of the Author

2. Work Permit; 1990-91-226

3. Ministry of Natural Resources - Report of Work

4. Field Data; VLF Survey; Seattle, Washington
   Transmitter NLK 24.8 KHZ

5. Maps: VLF-EM Survey Profile Map
   VLF-EM Survey Filtered Data, Contoured Map

6. List of Samples plus Assay Records (Chemex Lab)

7. Letter of Interpretation VLF-EM Data - Quantech Consultants Inc.

P.W. PITMAN

CONSULTING GEOLOGIST

1. CERTIFICATE

I hereby certify that:

1. I am an independent consulting geologist since 1982.

2. I am a graduate of Carleton University, Ottawa, having received an honours B.Sc. in Geology and have been practising my profession for 21 years.

3. I am a registered Fellow of the Geological Association of Canada.

4. I have no interest in, nor do I expect to receive any interest, direct of indirect, in either the 'Alice A' property or Fire River Gold Corporation.

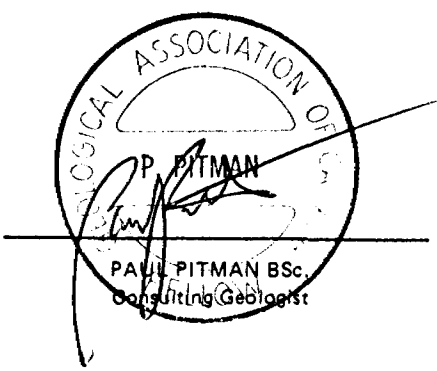
5. This report is based on a personal review of all data pertaining to the 'Alice A' property as well as a field visit and field supervision of the 1990 exploration programme.

6. I consent to and authorize the use of the attached report and my name in a prospectus and other public documents.

Dated at Toronto this 13th day of July, 1990.

Fact Finders
DATA SEARCH PITMAN & ASSOCIATES

P.W. PITMAN
51 ISABELLA ST.
BRAMPTON, ONT.
L6X 1P8
(416) 451–5057



Ministry of Natural Resources
Ontario

2. **Work Permit**

Permit No.
1990-91-226

This permit is issued under the authority and provisions of the following indicated Provincial Acts and their regulations, and is subject to the limitations and provisions thereof and is also subject to the terms and conditions herein.

- [x] Forest Fires Prevention Act
- [ ] Lakes and Rivers Improvement Act
- [x] Public Lands Act as amended

Note: **The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc., approval as may be required nor does it relieve the permittee from the requirements of any legislation.**

This Permit is Issued to:

Name of Permittee
Fire River Gold
Post Office Address
500, 67 Richmond St. W.
Toronto, Ontario M5H 1Z5

To conduct an operation from the 27 day of June , 19 90 to and including the 31 day of March , 19 91 on the following work permit area: FRI Basemap 487922, UTM Basemap 53540 54540, Bennett Lake area Claim map #G2667 as shown on the attached map (appendix 1)

as per your application dated: May 29, 1990

For the purpose of: Mining Exploration/Trenching & approximately 400 feet of line cutting (reclaim old grid lines)

Subject to the following conditions:

1. The Permittee shall keep this permit or a true copy thereof on the work permit area.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the work permit area to any officer whenever requested by the officer.
3. Other conditions as listed on the reverse side of this permit as well as those contained in Schedule(s) A & B attached.

Place of Issue	Date	Signature of Issuing Officer
Fort Frances, Ontario	June 27, 1990	

877

1. (a) During the fire season the permittee must obtain a fire permit prior to any open burning.

   (b) Except under the authority of a fire permit, no person shall start a fire outdoors during a fire season for any purpose other than cooking or warmth (Sec. 11(1) FFPA).

   (c) No person shall smoke while walking or working in a forest or woodland during a fire season (Sec. 28 FFPA).

2. The permittee is responsible to protect the permit area from wildfires that could result from the activities being carried out.

3. The permittee must have fire suppression equipment on site to combat any fires. During normal operating conditions the following equipment shall be provided in serviceable condition on the work site based on the maximum of 4 employees:

   Packpumps - 2 Shovels - 2 Axes - 1

   Note: (1 Chainsaw = 1 Axe)

4. An officer may in the interest of fire protection cancel or suspend a work permit at any time.

5) During a period of high fire hazard it may be necessary to modify conditions on this permit to implement the document Forest Operations Modification Guidelines NW 1989. Failure to abide by the instructions of an officer under the Forest Fire Prevention Act will result in cancellation or suspension of this work permit.

6 a) During the forest fire season in normal operating conditions, each machine must have on site at least one serviceable (full of water) packpump; and one serviceable fire extinguisher of at least 10 pound capacity ABC dry chemical. The location of the pack pump will depend on the type of operation.

   : Pack Pump Location - Cut & Skid Operation:

   Pack pump to be located at the landing to which the wood is presently being skidded to:

   - Mechanized Harvesting Operations:

   Feller Buncher, Feller Forwarder, short wood harvester must have pack pumps located on the machine.

   - Scarification Operation:

   Pack pumps must be on scarification machines while operating.

   - Other Operations:

   Pack pumps must be readily available; that is on the machine or on the immediate work site.

(continued on Page 2)

1) Deleterious substances as defined in the Canada Fisheries Act are not to be deposited or allowed to enter any waterbody or watercourse as a result of activities by the permittee.

2) The permittee is responsible to maintain the site in a safe condition.
The permittee assumes liability for the safety of the work area during and after operations.

At the conclusion of the mining exploration, trenches and/or pits that exceed two metres in depth should be treated to prevent them from being a hazard to both humans and wildlife. Treatment could be in the form of fencing the open pit or trench, sloping the sides to a 2:1 slope and seeding, or compacting and seeding the area.

3) No tree, slash, debris, or substance shall be deposited in any lake, river, or creek. LAKES AND RIVERS IMPROVEMENT ACT SEC.36.

4) Where heron or eagle's nests have been identified, no trees are to be cut within a 200 metre radius, and no blasting or heavy equipment operation can occur within an additional 600 metre radius between May 1 and August 1. ENDANGERED SPECIES ACT SEC.23.

5) Drill sludge is not to be permitted to run into lakes, rivers, or streams. Sludge boxes must be used to trap sludge and prevent the possibility of it running into the water. FISHERIES ACT SEC.33(1).

6) No trenching, stripping or test pits are allowed within 120 metres of the shore of any lake or river without the specific written approval of the District Manager.

7) No roads or trails will be constructed without specific written approval of the District Manager.

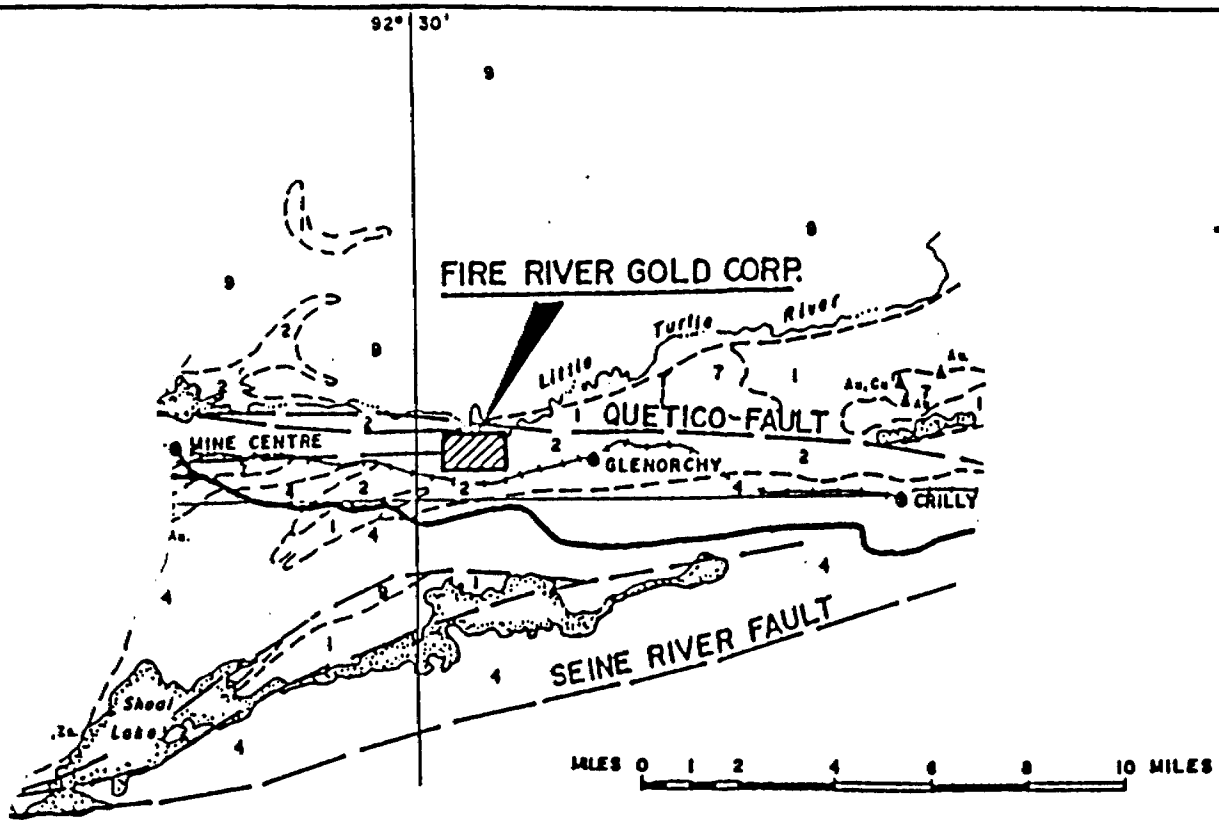
8) Any improvements other than wooden tent bottoms within 120 metres of the water's edge require prior approval from the Ministry of Natural Resources. PUBLIC LANDS ACT SEC.23.

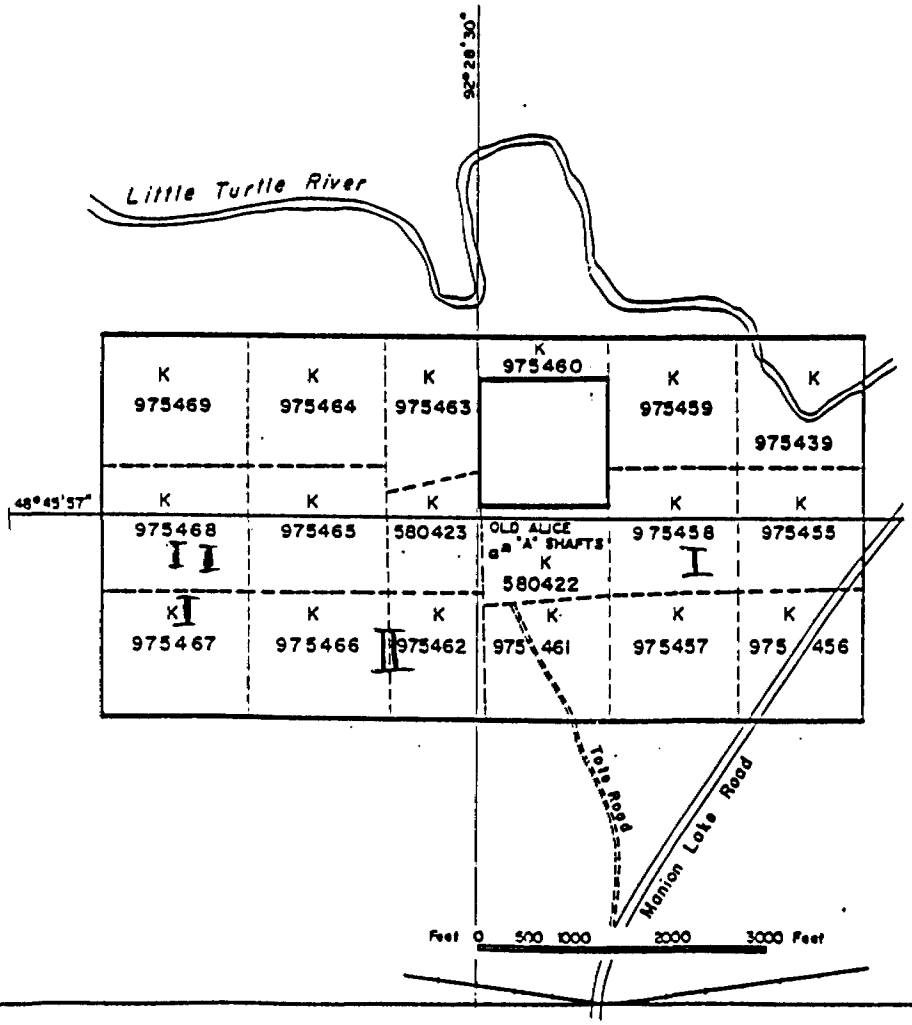
9) Within 120 metres of the shoreline of a lake or river, line cutting should be kept to a minimum. Excessive use of paint should be avoided.

Ministry of Natural Resources
Ontario

Location Plan

Lot	Conc.	Township
		AREA OF BENNETT LAKE
Name of Land Owner		CROWN LAND





I TRENCHING PROPOSED

6 trenches 50'x10'.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: FIRE RIVER GOLD **

500 - 67 RICHMOND ST., W.
TORONTO, ON
M5H 1Z5

*** INVOICE NUMBER I9018360 ***

BILLING INFORMATION

Date : 10-JUL-90
Project : ALICE A
P.O. # :
Account : ILA

Comments:

Billing : For analysis performed on Certificate A9018360

Terms : Payment due on receipt of invoice 1.5% per month (18% per annum) charged on overdue accounts.

Please remit payments to:

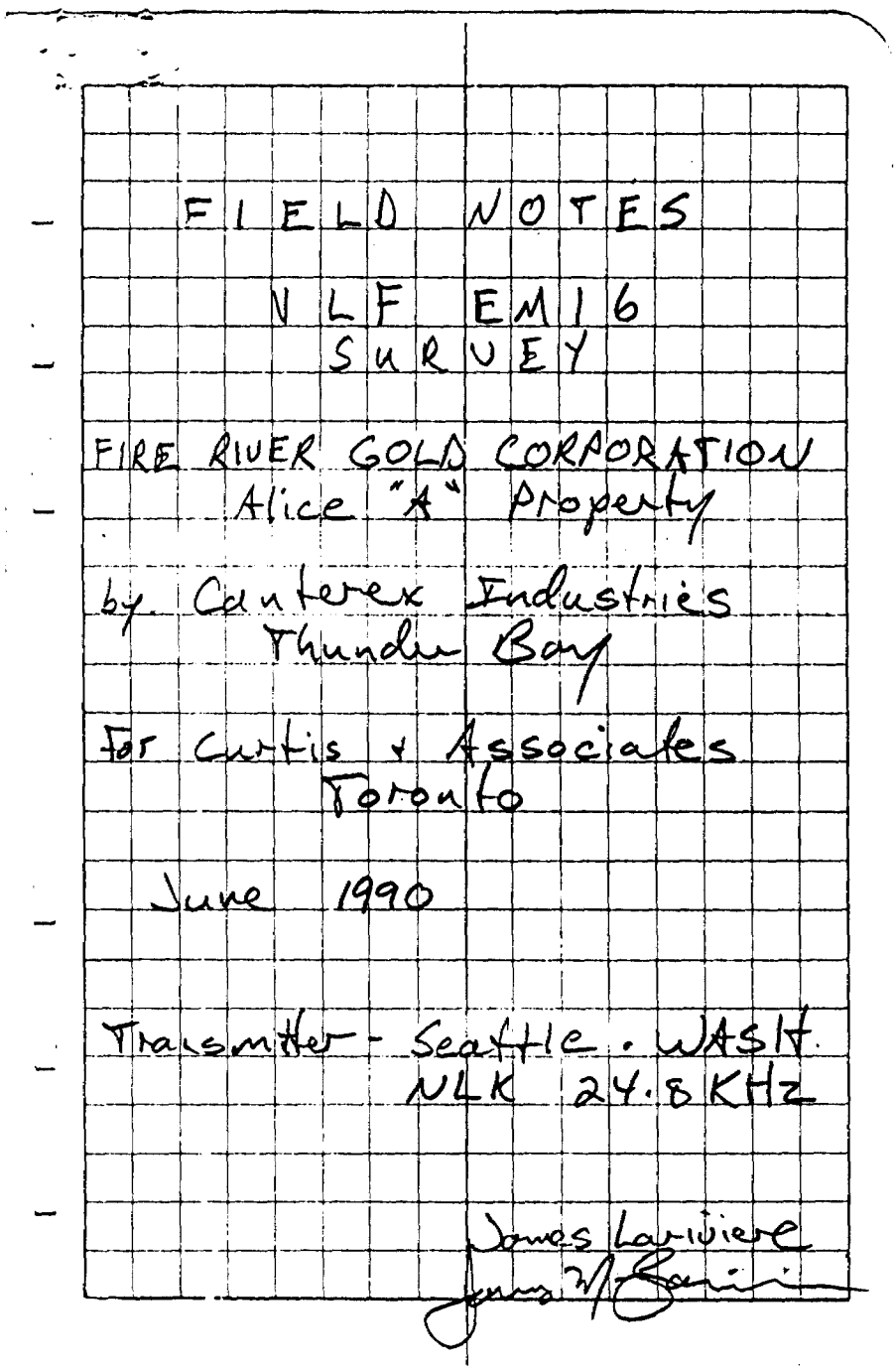
CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

NOTE: New charges for FAXING of data
Effective MAY 22/89. As follows:
$0.50/data page inside N. America
$2.00/data page outside N. America

CHEMEX CODE	ANALYSIS DESCRIPTION		SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 -	Au ppb	FA+AA			
238 -	AQ digestion				
6 -	Ag ppm	Aqua R	40	10.25	410.00
Sample preparation and other charges :					
205 -	Geochem - RING		40	1.75	70.00
294 -	Crush and split		40	2.25	90.00
				Total Cost $	570.00
				TOTAL PAYABLE (CDN) $	570.00

PAID

4. FIELD DATA - VLF-EM SURVEY (Canterex Industries Inc)



NLK - WASH

L36E	IN	QUAD	L36E	IN	QUAD
6+00N	-2	-14	5500S	+10	-18
5+50N	0	-14	6000S	+9	-25
5+00N	+5	-14	6500S	+8	-20
4+50N	+10	-12	7000S	+12	-20
4000N	+13	-6	7500S	+15	-22
3+50N	+20	-2	8000S	+13	-22
3000N	0	-1	8500S	+15	-22
2+50N	-20	+2	9000S	+15	-22
2000N	-25	+4	9500S	+15	-20
1500N	-25	+9	10000S	+22	-22
1000N	-12	+12	10500S	+35	-20
500N	-9	+5	11000S	+45	-18
BLO	-3	+2	11500S	+60	-20
500S	-3	+2	12000S	+60	-20
1000S	-2	+2	12500S	+50	-40
[illegible]	-2	-1	13000S	+32	-32
2000S	-6	-4	13500S	+10	-32
[illegible]	-2	-8	14000S	-2	-28
3000S	-1	-8	14500S	-20	-20
	0	-12	15000S	-18	-16
4000S	+5	-16	15500S	-15	-12
[illegible]	0	-14	16000S	-5	-12
5000S	+6	-18			

NLK - WASH

L32E	IN	QUAD	L32E	IN	QUAD
8000S	+17	-20	3000N	-5	+1
	+10	-24		-5	-2
7000S	+15	-20	4000N	-8	-8
	+7	-20		-5	-8
6000S	+5	-16	5000N	+5	-8
	+5	-18		+2	-10
5000S	+5	-15	6000N	+2	-12
	0	+20		-1	-10
4000S	0	-10	7000N	-5	-10
	-5	-5		-5	-2
3000S	-5	-8	8000N	-4	-3
	-5	-2		-5	+1
2000S	-5	-6	9000N	-5	-2
	+2	-6		-5	+2
1000S	+7	-4	10000N	-10	-2
	0	-4			
BLO	-5	+4	11000N	-9	-4
	-7	+2		-4	-2
1000N	-10	+4	12000N	-3	-1
	-10	0		-1	-1
2000N	0	0	13000N	-1	-2
	-2	-2		0	-2

CONT. Page (2)

② NLK-WASH.

L36E	IN	QUAD
1650S	-6	-12
1700S	-5	-10
1750S	-5	-8
1800S	0	-16
1850S	+5	-14

L32E	IN	QUAD
1400N	0	-2
	0	-1
1500N	-2	+1
	-2	+1
1600N	-1	+3
	0	+1
1700N	-1	+2
	-3	-1
1400N	-1	0

L32E	IN	QUAD
	+25	-16
1800S	+15	-12
	+15	-12
1700S	+5	-12
	+5	-11
1600S	+7	-12
	0	-12
1500S	-5	-19
	-7	-22
1400S	0	-30

L32E	IN	QUAD
	+5	-20
1300S	+20	-25
	+30	-19
1200S	+25	-25
	+25	-23
1100S	+30	-28
	+30	-26
1000S	+30	-22
	+30	-18
900S	+25	-23
	+25	-26

④ NLK-WASH

L28E	IN	QUAD
1800N	0	-1
	0	+1
1700N	0	0
	0	0
1600N	0	0
	0	0
1500N	0	-2
	0	-2
1400N	0	-2
	0	-1
1300N	0	0
	0	+2
1200N	-2	-2
	0	0
1100N	0	-2
	0	0
1000N	0	-2
	0	+2
900N	-5	-1
	-5	-2

L28E	IN	QUAD
800N	-10	0
	-5	-8
700N	-5	-6
	-5	-4
600N	-5	-4
	-4	-4
500N	-3	-6
	0	-6
400N	+4	-9
	0	-9
300N	0	-10
	0	-10
200N	0	-8
	0	-8
100N	-5	-5
	-8	-3
BLO	-10	-3
	-8	-2
100S	-10	-4
	-3	-2
200S	-2	-6
	-2	-10

NLK-WASH (5)

L28E	IN	QUAD	L28E	IN	QUAD
300S	+5	-12	1400S	+8	-18
	+15	-20		+20	-15
400S	+25	-18	1500S	+15	-12
	+45	-13		+20	-14
500S	+70	-20	1600S	+20	-14
	+80	-2		+20	-14
600S	+80	+12	1700S	+20	-14
	+50	+8		+25	-12
700S	+40	-10	1800S	+25	-14
	+25	+13		+25	-10
800S	+5	+20	1900S	+26	-12
	-10	+14		+25	-15
900S	0	-2	2000S	+22	-11
	+5	-8			
1000S	+8	-12			
	+10	-18			
1100S	+5	-20			
	+25	-30			
1200S	+22	-30			
	+20	-20			
1300S	+5	-20			
	+5	-22			

NLK-WASH (7)

L24E	IN	QUAD	L24E	IN	QUAD
100N	-11	-24	1200N	-2	0
	-10	-24		-1	0
200N	-5	-23	1300N	-1	0
	+2	-23		-4	0
300N	+5	-25	1400N	-5	0
	+10	-24		-6	-2
400N	+13	-24	1500N	-8	-5
	+15	-21		-8	-6
500N	+10	-20	1600N	-9	-4
	+5	-22		-7	-3
600N	+5	-23	1700N	-7	-3
	0	-24		EOL	
700N	-5	-24			
	-5	-20			
800N	-7	-15			
	-5	-10			
900N	-4	-7			
	-4	-7			
1000N	-1	-4			
	0	-2			
1100N	0	-2			
	+1	-1			

(6) INLK-WASH

L24E	IN	QUAD	L24E	IN	QUAD
			1000S	-8	+4
				0	+2
2000S	+25	-17	900S	+10	+3
	+20	-17		+12	-2
1900S	+28	-14	800S	+22	+3
	+25	-16		+31	+1
1800S	+23	-16	700S	+50	+4
	+30	-18		+50	+5
1700S	+30	-20	600S	+65	-5
	+20	-18		+40	-13
1600S	+20	-20	500S	+24	-14
	+30	-17		+18	-14
1500S	+20	-12	400S	+10	-14
	0	-9		0	-6
1400S	-20	+1	300S	-15	-6
	-37	+6		-15	-5
1300S	-80	+8	200S	-18	-5
	-90	+6		-22	-12
1200S	-65	+3	100S	-18	-9
	-45	+4		-16	-14
1100S	-32	+4	BLO	-15	-20
	-23	+2		-14	-22

(8) INLK-WASH

L20E	IN	QUAD	L20E	IN	QUAD
	EOL		700N	-4	-5
	+4	-2		-3	-6
1700N	+5	-2	600N	-3	-6
	0	0		-5	-7
1600N	0	-2	500N	-7	-8
	-3	0		-5	-12
1500N	-5	0	400N	-5	-12
	-4	0		0	-18
1400N	-3	0	300N	+5	-22
	-3	0		+17	-22
1300N	-3	0	200N	+20	-18
	-2	0		+17	-14
1200N	-1	-2	100N	+5	-16
	0	-1		0	-16
1100N	+1	-1	BLO	-5	-13
	+1	-1		+2	-13
1000N	0	-1	100S	+15	-13
	-3	-1		+20	-14
900N	-1	-1	200S	+23	-13
	-2	-6		+24	-13
800N	-3	-5	300S	+22	-13
	-5	-6		+50	-2

NLK - WASH

L20E	IN	QUAD	L20E	IN	QUAD
400S	+50	0	1500S	-10	+2
	+35	+3		-3	-3
500S	+50	+3	1600S	0	-7
	+40	+8		+5	-10
600S	+25	0	1700S	+5	-6
	+15	-2		+20	-18
700S	+10	-2	1800S	+20	-24
	0	-4		+5	-22
800S	+5	+5	1900S	+30	-20
	-8	0		+30	-20
900S	-13	-1	2000S	+33	-18
	-20	0		EOL	
1000S	-30	+2			
	-40	+3			
1100S	-50	-5			
	-60	-0			
1200S	-60	+5			
	-50	+8			
1300S	-42	+10			
	-35	+8			
1400S	-20	+9			
	-15	+5			

NLK - WASH N.

L16E	IN	QUAD	L16E	IN	Quad
	+65	-7		-5	-4
100N	+45	-15	1200N	-5	-5
	+45	-20		-5	0
200N	+45	-22	1300N	-5	0
	+25	-25		-1	0
300N	+13	-26	1400N	-3	0
	+5	-26		0	0
400N	+5	-22	1500N	+2	0
	0	-26		+3	0
500N	+5	-30	1600N	+4	-1
	+5	-23		+3	-1
600N	0	-32	1700N	+1	-2
	0	-28		+2	-1
700N	0	-28	1800N	EOL	
	0	-28			
800N	-2	-25			
	-5	-20			
900N	-7	-12			
	-5	-8			
1000N	-5	-2			
	-5	-2			
1100N	-5	-3			

(10) NLK-WASH.

L16E	IN	QUAD	L16B	IN	QUAD
				-37	+3
			1000S	-32	+4
	EOL			-25	+1
2000S	-25	+5	900S	-16	+2
	-56	+9		-12	+2
1900S	-85	+9	800S	-10	+2
	-50	+9		-2	+2
1800S	-30	+8	700S	-2	+2
	-42	+10		+3	+2
1700S	-8	-9	600S	+9	+2
	+13	+13		+10	-2
1600S	+36	+12	500S	+12	-2
	+25	+10		+20	-1
1500S	+85	+5	400S	+11	-6
*	+14	+2		+20	-6
1400S	-16	+4	300S	+20	-7
	-52	+5		+24	-7
1300S	-102	+2	200S	+20	+11
	-108	-3		+22	-13
1200S	-65	-3	100S	+35	-14
	-60	-3		+53	-11
1100S	-50	0	BLO	+65	-11

(12) NLK-WASH

L12E	IN	Quad	L12B	IN	Quad
				+8	-8
			700N	+11	-12
	EOL			+13	-11
1700N	+8	+4	600N	+15	-7
	+7	+4		+16	-9
1600N	+9	+4	500N	+19	-15
	+9	+3		+25	-23
1500N	+8	+2	400N	+20	-25
	+7	+3		+17	-25
1400N	+5	+2	300N	+16	-24
	+4	0		+20	-23
1300N	+4	-1	200N	+23	-21
	+4	-1		+23	-21
1200N	0	0	100N	+20	-25
	-3	+3		0	-30
1100N	-4	+2	BLO	-25	-32
	-4	0		-57	-36
1000N	-6	0	100S	-45	-14
	-6	0		-15	-8
900N	-5	0	200S	-5	-8
	0	-7		+4	-8
800N	+8	-10	300S	+20	-8

NLK-WASH (13)

L12E	In	Quad	L12E	In	Quad
	+37	+6		-32	+12
400S	+10	+7	1500S	-12	+14
	+52	+22		+5	+4
500S	+23	+12	1600S	+5	+4
	+7	+12		-5	+5
600S	+3	+12	1700S	-5	+4
	-5	+4		+5	+5
700S	-5	+2	1800S	-5	+10
	-10	+10		-35	+4
800S	-15	+6	1900S	-55	+6
	-25	+4		-35	+12
900S	-40	-13	2000S	-32	+14
	-45	+8		-20	+10
1000S	-45	0	2100S	-15	+8
	-50	0		EOL	
1100S	-60	-4			
	-80	-10			
1200S	-95	0			
	-80	+2			
1300S	-65	+12			
	-60	+15			
1400S	-50	+14			

NLK-WASH (15)

L4E	In	Quad	L4E	In	Quad
BLO	+15	-22	1100S	+5	+15
	+15	-27		0	+20
100S	+10	-18	1200S	0	+14
	+15	-22		-5	+20
200S	+20	-24	1300S	-10	+18
	+30	-22		-10	+22
300S	+50	-18	1400S	-5	+25
	+65	-18		-5	+25
400S	+65	-20	1500S	-5	+10
	+55	-2		0	+6
500S	+35	-33	1600S	+5	+5
	+3	-36		+5	+2
600S	0	-30	1700S	+5	+5
	-5	-16		+5	+5
700S	-20	-8	1800S	+5	+6
	+5	0		+2	+8
800S	+10	+4	1900S	0	+14
	+5	+10		0	+8
900S	-10	+18	2000S	+2	+8
	-10	+10		+5	+6
1000S	-3	+12	2100S	0	+10
	+5	+22		EOL	

(14) NLK-WASH

L&E	IN	Quad	L&E	IN	Quad
				-70	+14
2100S	-30	+22	1000S	-45	+15
	-45	+12		-38	+12
2000S	-60	+4	900S	-45	+4
	-45	+6		-50	-13
1900S	-15	+14	800S	-55	0
	+20	+22		-35	+11
1800S	+45	+24	700S	-25	+18
	+20	+1		-22	+22
1700S	+15	+4	600S	-20	+13
	+10	-2		-15	+22
1600S	+5	-2	500S	+20	+25
	+5	+3		+15	+15
1500S	0	+10	400S	+5	-3
	-2	+12		-2	-2
1400S	-8	+16	300S	-5	+2
	-15	+21		-10	+3
1300S	-30	+19	200S	-15	+8
	-50	+16		-25	+8
1200S	-75	+12	100S	-30	+2
	-115	+0		-45	+2
1100S	-125	0	BLO	-90	-22
			CONT	PAGE	(17)

(16) NLK-WASH.

LO	IN	Quad	LO	IN	Quad
				-20	+20
			1200S	-10	+18
				-5	+16
2200S	EOL		1100S	+5	+20
	0	0		+45	+13
2100S	0	+2	1000S	+15	+13
	0	+2		+20	+18
2000S	+3	+4	900S	+40	+14
	+2	+8		+45	+22
1900S	+1	+8	800S	+32	+10
	-2	+14		+60	+18
1800S	-5	+16	700S	+30	+17
	-5	+18		+15	-9
1700S	-5	+18	600S	+5	-7
	-3	+18		0	-26
1600S	-5	+21	500S	+15	-12
	-20	+16		+20	-10
1500S	+45	+16	400S	+10	-20
	-15	+8		+25	-15
1400S	-70	+6	300S	+35	-13
	-45	+12		+40	-2
1300S	-33	+14	200S	+60	-10

NLK - WASH (17)

LO	In	Quad	LO	In	Quad
	+50	-8		NR	NR
100S	+54	-10	1000N	NR	NR
	+55	-14		+100	-40
BLO	+60	-14	1100N	+90	-40
	+75	-8		+60	-38
100N	+90	-10	1200N	+50	-38
	+105	-6		+40	-40
200N	+110	-10	1300N	+35	-34
	+55	-20		+5	-30
300N	+30	-24	1400N	+10	-28
	+15	-20		0	-22
400N	+5	-18	1500N	0	-22
	-3	-8		+2	-20
500N	-8	-10	1600N	+4	-22
	-10	-6	L8E	Y 2	-20
600N	-5	-6	1300N	-1	-4
	0	-2		-1	-3
700N	-5	-6	1400N	-1	-3
	-12	-8		0	-3
800N	-20	-12	1500N	0	-2
	-30	-22		0	-1
900N	-50	-40	1600N	+1	+2
				+1	+2
			1700N	+1	+2

NLK - WASH (19)

L4W	In	Quad	L4W	In	Quad
	+18	-2		-40	+25
500S	-5	-22	1600S	-22	+5
	-50	-25		-8	+20
600S	+5	-5	1700S	-5	+18
	+45	+15		-1	+17
700S	+30	+2	1800S	0	+14
	+20	+8		0	+11
800S	+5	0	1900S	0	+10
	+3	-3		0	+4
900S	-8	-8	2000S	0	0
	-5	+2		0	-1
1000S	0	-13	2100S	0	-2
	-5	+5		-1	-2
1100S	-8	+10	2200S	-2	-1
	0	+18		F2 0	
1200S	+30	+38			
	-8	+32			
1300S	-25	+26			
	-30	+25			
1400S	-40	+15			
	-65	+12			
1500S	-65	+13			

(18) NLK-WASH

L4W	IN	Quad	L4W	IN	Quad
				-17	-14
Move everything			600N	-15	-12
	N 1 sta			0	-10
1600N			500N	+3	-12
	+20	-36		+6	-15
1500N	+40	-25	400N	+20	-18
	+100	-20		+27	-17
1400N	+120	-13	300N	+33	-18
	+100	-20		+60	-10
1300N	+105	-20	200N	+90	-8
	+85	-22		+70	-8
1200N	+90	-30	100N	+60	-20
	+60	-35		+45	-17
1100N	+40	-30	BLO	+35	-1[illegible]
	+32	-30		+15	-[illegible]7
1000N	+25	-38	100S	0	-26
	+15	-34		-5	-22
900N	+10	-32	200S	-15	-23
	-17	-35		-8	-21
800N	-20	-40	300S	-05	-28
	-20	-30		-3	-18
700N	-25	-15	400S	+5	-12

(20) NLK-WASH

L8W	IN	Quad	I8W	IN	Quad
				+10	+35
			1200S	+45	+40
				+50	+20
2200S	0	+5	1100S	+35	+18
	0	+6		+23	+13
2100S	0	+8	1000S	+10	+9
	-2	+12		-8	+8
2000S	-5	+22	900S	-5	+5
	-7	+23		-5	+5
1900S	-10	+24	800S	+8	+19
	-10	+25		+20	+18
1800S	-25	+25	700S	+35	+20
	-55	+22		+45	+24
1700S	-80	+18	600S	+65	+23
	-85	+22		+75	+25
1600S	-50	+26	500S	+105	+22
	-40	+30		+45	+2
1500S	-30	+30	400S	+22	-6
	-20	+35		+3	-6
1400S	-15	+35	300S	-8	-9
	-16	+40		-20	-12
1300S	+5	+40	200S	-30	-16

NLK - WASH

(21)

L&W	IN	Quad	L&W	IN	Quad
	-35	-21		+25	-36
100S	-42	-30	1000N	+25	-36
	-20	-40		+22	-35
BLO	-5	-32	1100N	+20	-34
	-12	-40		+20	-35
100N	+8	-40	1200N	+35	-34
	+30	-42		+45	-34
200N	+40	-20	1300N	+60	-34
	+60	-15		+70	-25
300N	+90	-10	1400N	+80	-20
	0	-8		+100	-15
400N	-20	-12	1500N	+105	-12
	-10	-14		+107	-12
500N	-35	-8			
	-35	-18			
600N	-20	-22			
	-13	-18			
700N	-10	-20			
	0	-18			
800N	+5	-20			
	+5	-20			
900N	+5	-24			

NLK - WASH

(23)

L&W	IN	Quad	L&W	IN	Quad
	+40	0		-50	+25
600S	+55	+16	1800S	-80	+20
	+60	+30		-90	+15
700S	+30	+25	1900S	-70	+24
	+15	+34		-40	+30
800S	+10	+16	2000S	-30	+10
	+5	+15		-15	+14
900S	-5	+10	2110S	-5	+21
	-25	+2		0	+16
1000S	-35	0	2200S	0	+12
	-8	+8		BLK	
1100S	+25	+15			
	+50	+22			
1200S	+50	+40			
	+25	+36			
1300S	+15	+36			
	+5	+32			
1400S	-8	+35			
	-15	+32			
1500S	-15	+36			
	-24	+34			
1600S	-35	+32			
	-35	+32			
1700S	-35				

(22) NLK-WASH.

L12W	IN	Quad	L12W	IN	Quad
				-35	-15
			500W	-40	-14
	+80	-55		-10	-10
1500N	+70	-50	400N	-5	-2
	+50	-40		-5	-4
1400N	+40	-38	300N	-5	-8
	+35	-30		-10	-12
1300N	+35	-30	200N	-15	-18
	+20	-28		-15	-20
1200N	+15	-32	100N	-10	-13
	+10	-32		-12	-5
1100N	+10	-32	BLO	-12	-4
	+5	-36		-10	-2
1000N	0	-38	100S	-10	-2
	0	-25		0	-4
900N	0	+20	200S	+3	-5
	0	-15	3	+5	-4
800N	0	-16	300S	+15	-8
	0	-17		+20	-5
700N	-5	-18	400S	+20	-6
	-20	-19		+25	-7
600N	-25	-20	500S	+30	-6

(24) NLK-WASH

L16W	IN	Quad	L16W	IN	Quad
				-20	+8
	BLO		1100S	+20	+8
	-15	+32		-15	+2
2200S	-30	+30	1000S	-15	+2
	-47	+30		-10	+4
2100S	-85	+20	900S	-3	+6
	-110	-20		+3	+10
2000S	-110	+22	800S	+10	+10
	-90	+25		+30	+10
1900S	-70	+28	700S	+40	+10
	-60	+30		+20	+5
1800S	-50	+38	600S	+15	+2
	-40	+38		+00	+20
1700S	-35	+38	500S	+50	+25
	-17	+40		+35	+15
1600S	-20	+42	400S	+25	+8
	-5	+40		+15	+8
1500S	15	0	300S	-2	+5
	+5	-36		-20	+2
1400S	+5	+28	200S	-45	-5
	0	+20		-35	-10
1300S	-8	+15	100S	-35	-12
	-10	+15		-20	-10
1200S	-15	+16	BLO	-5	+5

NO. 352 WEATHERMOOD

L16W	In	Quad	L16W	In	Quad
	+20	+18	1	+18	-36
100N	0	+2	1300N	+25	-26
	-8	-8		+10	-22
200N	+5	0	1400N	+30	-16
	+20	+5		+35	-17
300N	-5	+6	1500N	+15	-16
	0	-4		EOL	
400N	+5	-4			
	+5	-4			
500N	+10	-2			
	0	-4			
600N	-5	-12			
	-5	-20			
700N	+5	-12			
	0	-30			
800N	0	-16			
	0	-20			
900N	0	-24			
	0	-25			
1000N	+5	-32			
	+13	-30			
1100N	+10	-24			
	+15	-31			
1200N	+12	-30			

L20W	In	Quad	L20W	In	Quad
	-15	+10		-100	-10
900S	-15	+10	2100S	-75	-15
	-5	+15		-60	+10
1000S	+10	+22	2200S	-50	+15
	+10	+20		-30	+20
1100S	-5	+25	2300S	-20	+20
	-20	+16		EOL	
1200S	-35	+4			
	0	+16			
1300S	+15	-5			
	+5	+32			
1400S	-20	+22			
	+20	+30			
1500S	+8	+40			
	-15	+30			
1600S	-5	+35			
	0	+35			
1700S	-20	+40			
	-35	+40			
1800S	-60	+35			
	-65	+25			
1900S	-70	+35			
	-80	+25			
2000S	-90	+15			

(26) NLK-WASH.

L20W	IN	Out	L20W	In	Quad
				+5	-5
	EOL		300N	+5	-5
1450N	+28	-20		+4	-3
1400N	+30	-22	200N	0	-4
	+30	-22		-5	-5
1300N	+34	-24	100N	-8	-5
	+29	-22		-6	-1
1200N	+29	-25	BLO	-5	0
	+25	-25		-5	-1
1100N	+20	-27	100S	-25	-4
	+13	-2[illegible]		-17	0
1000N	+10	-35	200S	-5	+2
	+5	-30		+25	+5
900N	0	-28	300S	+50	+14
	-8	-25		+4	+10
800N	-10	-20	400S	+40	+2
	-5	-15		+20	+25
700N	-5	-14	500S	+25	+24
	0	-10		+15	+20
600N	+5	-8	600S	+10	+22
	+8	-5		-5	-20
500N	+13	-4	700S	0	+12
	+7	-4		-10	+20
400N	+5	-5	800S	-20	+10

(28) NLK-WASH.

L24W	IN	Quad	L24W	In	Quad
			1200S	-42	+22
				-30	+21
2300S	-10	+17	1100S	-17	+24
	-13	+17		-8	+28
2200S	-22	+15	1000S	+8	+32
	-32	+13		+15	+28
2100S	-50	+8	900S	-10	+26
	-65	-3		-15	+25
2000S	-80	-20	800S	+13	+20
	-92	-30		+25	+7
1900S	-115	-26	700S	-10	+13
	-87	-8		-20	+16
1800S	-71	+12	600S	-15	+16
	-53	+16		-5	+18
1700S	-40	+20	500S	+15	+22
	-26	+20		+15	+26
1600S	-17	+20	400S	+23	+26
	-4	+23		+32	+20
1500S	-12	+23	300S	+12	+19
	-5	+22		+4	+18
1400S	+6	+26	200S	-6	+15
	+26	+30		-11	+11
1300S	-18	+22	100S	-7	+8
	-30	+17		-7	+2

NLK-WASH

L24W	In	Quad	L24W	In	Quad
BLO	-12	-5	1200N	+10	-17
	-7	-4		+12	-17
100N	-7	-3	1300N	+25	-18
	-8	-4		+35	-13
200N	-5	-8	1400N	+42	-16
	-4	-7		+50	-12
300N	-2	-6	1500N	ROL	
	-2	-12			
400N	+7	-15			
	+15	-13			
500N	+23	-22			
	+20	-27			
600N	+15	-21			
	+15	-23			
700N	+15	-31			
	+8	-32			
800N	-3	-30			
	-6	-30			
900N	-4	-34			
	-3	-33			
1000N	+4	-32			
	+6	-28			
1100N	+15	-30			
	+10	-23			

NLK WASH

L28W	In	Quad	L28W	In	Quad
900S	-13	+24	2100S	-18	+22
	-6	+23		-10	+13
1000S	-10	+23	2200S	-9	+20
	-13	+13		-12	+28
1100S	-13	+24	2300S	-11	+22
	-15	+15		ROL	
1200S	+15	+10			
	+25	+12			
1300S	+11	+12			
	-14	+18			
1400S	-25	+20			
	-17	+25			
1500S	-11	+15			
	-9	+7			
1600S	-10	+10			
	-24	+15			
1700S	-35	+11			
	-48	-5			
1800S	-62	-9			
	-82	-20			
1900S	-72	-20			
	-63	-5			
2000S	-33	+13			
	-27	+23			

(30) NLK-WASH.

L28W	In	Quad
1400N	+28	-15
	+24	-15
1300N	+7	-17
	+10	-20
1200N	+4	-22
	+7	-30
1100N	+8	-30
	0	-25
1000N	+1	-17
	-1	-21
900N	-3	-26
	-7	-30
800N	+6	-28
	+24	-22
700N	+17	-15
	+15	-19
600N	+15	-25
	+13	-21
500N	+13	-17
	+32	-15
400N	+32	-12
	+28	-7

L28W	In	Quad
300N	+15	-9
	+5	-12
200N	+5	-12
	-3	-12
100N	-5	-10
	-10	-6
BLO	-12	-5
	-5	+3
100S	-4	+8
	+25	+7
200S	+5	-5
	+37	-8
300S	+23	+10
	-10	+20
400S	-16	+18
	-33	+18
500S	-67	+25
	-67	+20
600S	-75	+13
	-80	+20
700S	-82	+25
	-45	+21
800S	-37	+15
	-34	+17

(32) NLK-WASH

L32W	In	Quad
600S	-35	+10
	-30	+11
500S	-23	+13
	-20	+10
400S	-10	+10
	-5	+3
300S	+10	+5
	+20	+9
200S	+5	+11
	+9	+3
100S	+6	+3
	-7	+4
BLO	-6	0
	-5	-8
100N	-4	-13
	+3	-20
200N	+4	-20
	+6	-17
300N	+6	-16
	+5	-16
400N	+5	-12
	+8	-11

L32W	In	Quad
500N	+11	-12
	+11	-10
600N	+7	-17
	-4	-13
700N	-5	-14
	0	-10
800N	+4	-10
	+5	-7
900N	+6	-17
	+4	-24
1000N	+7	-25
	+8	-22
1100N	+6	-21
	+10	-19
1200N	+11	-13
	+7	-8
1300N	+12	-5
	+14	-8
1400N	EOL	
1520N		

6. LIST OF SAMPLES PLUS ASSAY RECORDS (CHEMEX LABS)

Sample No.	Trench	Description
001, 002	-	L8W, 14 + 80'S (quartz vein 3-6" in width), schistose to massive quartzeye rhyolite host
003	B	Grey clay
004	B	Red-brown iron enriched clay interbeds
005	B	Silty clay
006	C	Red-brown iron enriched clay interbed
007	C	Sand
008	A	Platy, highly siliceous, quartz (feldspar) augen rhyolite with strong platy cleavage (chip sampling over 10')
009	A	Massive, light pink, highly siliceous fine grained rhyolite (chip sampling over 10')
010	A	6" rusty (hematitic) zone, altered schistose rock
011, 012, 013, 015, 016, 018, 020	A	Massive pink unaltered rhyolite, no quartz veining or sulfides (chip sampling over 20' intervals)
014, 019	A	2" bull quartz vein paralleling the platy cleavage in rhyolite host
017	A	2' wide, rusty (hematitic) interflow sediment, possibly red-brown soft argillaceous rock, slaty to schistose texture
021, 022	A	Quartz-carbonate veining, abundant chlorite and rock fragments, trace pyrite
023, 024, 025 026, 027	D	White massive unaltered rhyolite; highly siliceous (chip sampling over 20' sample lengths)
028, 030, 032	E	Dark grey, massive siliceous rhyolite (chip sampling over 20')

Sample No.	Trench	Description
029, 031	E	Quartz eye augen, platy to slightly schistose in texture; rhyolite in composition (chip sampling over 20' intervals)
033	E	No bedrock, dense gravel/sand (hard pan) samplin g of red-brown iron-rich silty portions (sampling over 10' length)
034, 035, 036, 037, 038, 039	F	Grab samples from 'bull' quartz veining in massive, siliceous rhyolite host rock (Emma Abbott showing)
040, 042	F	Quartz-carbonate veining (grab sample of 1' - 1.5' wide vein)
041	F	1' chip sampling of sheared, hematized chlorite schist wall rock, trace disseminated pyrite

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
460 Matheson Blvd.,E., Unit 54, Mississauga,
Ontario, Canada L4Z 1R5
PHONE: 416-890-0310

To: FIRE RIVER GOLD

600 - 67 RICHMOND ST., W.
TORONTO, ON
M5H 1Z6

Project : ALICE A
Comments: ATTN: RON STIENER

Page Number : 1
Total Pages : 1
Invoice Date: 17-JUL-90
Invoice No. : I-9016360
P.O. Number :

CERTIFICATE OF ANALYSIS A9016360

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R
001	205	294	< 5	< 0.2
002	205	294	< 5	< 0.2
003	205	294	< 5	< 0.2
004	205	294	< 5	< 0.2
005	205	294	< 5	< 0.2
006	205	294	< 5	< 0.2
007	205	294	< 5	< 0.2
008	205	294	< 5	< 0.2
009	205	294	< 5	< 0.2
010	205	294	< 5	< 0.2
011	205	294	< 5	< 0.2
012	205	294	< 5	< 0.2
014	205	294	< 5	< 0.2
015	205	294	< 5	< 0.2
016	205	294	< 5	< 0.2
017	205	294	< 5	< 0.2
018	205	294	< 5	< 0.2
019	205	294	< 5	< 0.2
020	205	294	< 5	< 0.2
021	205	294	75	0.6
022	205	294	230	1.7
023	205	294	< 5	< 0.2
024	205	294	< 5	< 0.2
026	205	294	< 5	< 0.2
027	205	294	< 5	< 0.2
028	205	294	20	< 0.2
029	205	294	< 5	< 0.2
030	205	294	< 5	< 0.2
031	205	294	< 5	< 0.2
032	205	294	< 5	< 0.2
033	205	294	< 5	< 0.2
034	205	294	< 5	< 0.2
035	205	294	225	0.3
036	205	294	40	< 0.2
037	205	294	65	0.5
038	205	294	< 5	< 0.2
039	205	294	130	< 0.2
040	205	294	310	0.2
041	205	294	< 5	< 0.2
042	205	294	40	< 0.2

CERTIFICATION: _____

07/17/90 08:11 ☎604 984 0218 CHEMEX LABS 002/002

APPENDIX 7

QUANTECH CONSULTING INC.

INTERNATIONAL GEOPHYSICAL CONSULTANTS

SUITE 304, 2121 ARGENTIA ROAD, MISSISSAUGA, ONTARIO L5N 2X4 CANADA
TEL.: (416) 567-0155 FAX: (416) 567-8117

June 27, 1990

Memo to: Paul Pitman
From: Woody Coulson

Re: Interpretation of VLF Data Over Alice "A" Property

When looking at the profiled data, conductors were picked from the postive to negative crossovers/inflections (looking north) of the in-phase data. Associated negative to positive crossovers/inflections in the out-of-phase data would be considered good conductors. Those conductors where both the in-phase and out-of-phase data crossover or inflect from positive to negative are considered poor conductors, possibly related to conductive overburden. Most of the conductors over the Alice "A" property are of this nature.

The results of the VLF survey over the Alice "A" property, indicate numerous anomalous trends. Fraser filtering the data from Seattle, Washington has helped to confirm these trends. However, review in the field may assist in differentiating between actual bedrock sources and those caused by streams or other surficial effects. A mag survey would also be extremely useful in area such as this to correlate results.

Take particular note of the parallel trends running east-southeast across the grid. Although these aren't contiuous, if you look at the contour map from the side you'll see this directional trend. Unfortuneately there is no data north of the baseline on L400E, however it appears that the north conductor would probably continue. The conductor immediately south of the baseline may be broken between L1200E and L2000E and then contiunue on.

Good luck with your trenching.

Regards,

Woody

S.T. Coulson

Ministry of Northern Development and Mines

Ontario

M.L.

DOCUMENT N
W9001•248

52C16SW8249 2.13429 BENNETT LAKE

900

Report of Work
Mining Act
(Expenditures, Subsection 77(19)) 2.13429

Type of Work Performed	Mining Division	Township or Area
Geochemical Analysis of Rock Samples	Kenora	G2667 - Bennett Lake Area

Recorded Holder	Prospector's Licence No.
Fire River Gold Corp	T.5181
Address	**Telephone No.**
500-67 Richmond St. West, Toronto On M5H 1Z5	(416) 361-3707

Work Performed By
Curtis & Associates Inc. (Paul Pitman, geologist)

Name and Address of Author (of Submission)	Date When Work was Performed From:	To:
P. Pitman, 20 Toronto St. Ste 1270, Toronto, On M5C2B8	Day 3 Mo. 7 Yr. 90	Day 6 Mo. 7 Yr. 90

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side

Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
580423	3.8	975455	7.6	975457	15.2	975458	7.6	975461	3.8		

Instructions
Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).

Calculation of Expenditure Days Credits
Total Expenditures $ 570.00 ÷ 15 = Total Days Credits 38

Total Number of Mining Claims Covered by this Report of Work 18

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	975439	2.1	K	975462	2.1	K	580422	2.1			
K	975455	2.1	K	975463	2.1	K	580423	2.1			
K	975456	2.1	K	975464	2.1						
K	975457	2.1	K	975465	2.1						
K	975458	2.1	K	975466	2.1						
K	975459	2.1	K	975467	2.1						
K	975460	2.1	K	975468	2.1						
K	975461	2.1	K	975469	2.1						

RECEIVED
JUL 30 1990
MINING LANDS SECTION

Total Number of Days Performed	Total Number of Days Claimed	Total Number of Days Credits to be Claimed at a Future Date
38	38	0

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: July 13, 90

Recorded Holder or Agent (Signature): [signature]

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 Address of Person Certifying
Paul Pitman, Geologist (Curtis & Assoc. Inc) 20 Toronto St. Ste 1270 Toronto, On M5C2B8

Telephone No.	Date	Certified By (Signature)
(416) 362-5326	July 13,90	[signature]

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
38	July 16/90	[signature]
	Date Approved as Recorded	**Provincial Manager, Mining Lands**
	Oct 4 90	[signature]

Received Stamp
KENORA MINING DIV.
RECEIVED
JUL 16 1990
AM 8:31 PM
7 8 9 10 11 12 1 2 3 4 5 6

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Mining Lands Section
159 Cedar Street, 4th Floor
SUDBURY, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W9001.243 & 247
Our File : 2.13429

November 7, 1990

Mining Recorder
Ministry of Northern Development and Mines
808 Robertson Street
P.O. Box 5200
KENORA, Ontario
P4N 3X9

Dear Madam/Sir:

RE: Notice of Intent dated October 1, 1990 for Geophysical (Electromagnetic) Survey submitted on Mining Claims K 975439 et al in Bennett Lake.

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

R.C. Gashinski
A/Provincial Manager, Mining Lands
Mines and Minerals Division

LJ/dvl
Enclosure

cc: Mr. W.D. Tieman
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Kenora, Ontario

Fire River Gold Corp.
Toronto, Ontario

P. Pitman
Toronto, Ontario

James Lariviere
Thunder Bay, Ontario

Ministry of Northern Development Mines
Ontario

Technical Assessment
Work Credits

File: 2.13429

Date: Oct. 1/90

Mining Recorder's Report of Work No.: W9001.243

Recorded Holder
Fire River Gold Corp.

Township or Area
Bennett Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 975439 975455 - 459 incl. 975461 - 469 incl. 580422 - 423 incl.
Electromagnetic 20 days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

Electromagnetic 15 days on K 975460

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.13429

Date: Oct. 1/90

Mining Recorder's Report of Work No.: W9001.247

Recorded Holder: Fire River Gold Corp.

Township or Area: Bennett Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 975455 - 458 incl. 975461 975462 580422 580423
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 4.6 days	
Geochemical _____ days	
Man days ☒ Airborne ☐	
Special provision ☐ Ground ☐	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ insufficient technical data filed

K 975439, 975459, 975460, 975463 - 469 incl.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

828 (85/12)

Ministry of Northern Development and Mines
Ontario

cm. 2.

DOCUMENT No. W 9001•243

Aug 11 Sept 10

Instructions
- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Mining Act

Report of Work
(Geophysical, Geological and Geochemical Surveys)

2.13429

Type of Survey(s)	Mining Division	Township or Area
Geophysical Surveys - VLF EM	Kenora	G2667-Bennett Lake

Recorded Holder(s)	Prospector's Licence No.
Fire River Gold Corp	T.5181
Address 500-67 Richmond St. West, Toronto, On. M5H 1Z5	**Telephone No.** (416)361-0737

Survey Company
Canterex INdusries on Behalf of Curtis & Associates Project Manager

Name and Address of Author (of Geo-Technical Report)	Date of Survey (from & to)	
P. Pitman 20 Toronto St. Ste 1270, Toronto, On. M5C2B8	Day 11 Mo. 6 Yr. 90	Day 13 Mo. 6 Yr. 90

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	
	- Electromagnetic	20
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Other	

Total miles flown over claim(s).

Date	Recorded Holder or Agent (Signature)
June 25/90	P. Pitman

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
K	975439	K	580422		
K	975455	K	580423		
K	975456				
K	975457				
K	975458				
K	975459				
K	975460				
K	975461				
K	975462				
K	975463				
K	975464				
K	975465				
K	975466				
K	975467				
k	975468				
K	975469				

RECEIVED
JUL 16 1990
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 18

Certification Verifying Report of Work

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

Name and Address of Person Certifying
James Lariviere, RR #11, Site 10, Box 13, Thunder Bay Ont P7B 5E2

(Canterex Industries Inc.)	Telephone No. 767-6144	Date June 28 1990	Certified By (Signature) James Lariviere

Received Stamp

KENORA MINING DIV.
RECEIVED
JUL 12 1990
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
360	July 12/90	Scott Rivett
	Date Approved as Recorded	Provincial Manager, Mining Lands
	see revised work statement	

1362 (89/06)

Ministry of Northern Development and Mines
Ontario

M.L.

DOCUMENT No. W9001•247

2.13429

Mining Act

Report of Work
(Geophysical, Geological and Geochemical Surveys)

Instructions
- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Type of Survey(s)	Mining Division	Township or Area
Geological - mapping of trenches	Kenora	G2667- Bennett Lake

Recorded Holder(s)	Prospector's Licence No.
Fire River Gold Corp.	T.5181
Address	**Telephone No.**
500-67 Richmond St. West, On. M5H 1Z5	(416)361-0737

Survey Company
Curtis & Associates, (Paul Pitman, geologist)

Name and Address of Author (of Geo-Technical Report)	Date of Survey (from & to)
P. Pitman, 20 Toronto St. Ste 1270 , To. Ont M5C2B8	Day 2 Mo. 7 90 Day 6 Mo. 7 90

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	2.04
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Other	
Total miles flown over claim(s).		

Date: July 12,90 — Recorded Holder or Agent (Signature): [signature]

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
k	975439	K	580422		
K	975455	K	580423		
K	975456				
K	975457				
K	975458				
K	975459				
K	975460				
K	975461				
K	975462				
K	975463				
K	975464				
K	975465				
K	975466				
K	975467				
K	975468				
K	975469				

RECEIVED
JUL 30 1990
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 18

Certification Verifying Report of Work

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

Name and Address of Person Certifying
Paul Pitman , 20 Toronto St. Ste 1270, Toronto, ON. M5C2B8

(Curtis & Associates)	Telephone No. (416) 3625326	Date July 12 1990	Certified By (Signature) [signature]

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
36.72	July 16/90	[signature]
	Date Approved as Recorded	Provincial Manager, Mining Lands
	see revised	work credits.

Received Stamp
KENORA MINING DIV.
RECEIVED
JUL 16 1990
AM 8:17 PM
7 8 9 10 11 12 1 2 3 4 5 6

1362 (89/06)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey	Technical Days		7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	÷	No. of Claims	=	Days per Claim
Geological - mapping of trenches	5.25	X	7	=	36.75	+		=		÷	18	=	2.04
		X	7	=		+		=		÷		=	
		X	7	=		+		=		÷		=	
		X	7	=		+		=		÷		=	

Ontario

Ministry of Northern Development and Mines

Geophysical-Geological-Geochemical Technical Data Statement

2.13429

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geophysical (VLF-EM), Trenching, Mapping and Sampling

Township or Area G-2667, Bennett Lake Area

Claim Holder(s) Fire River Gold Corp.
500-67 Richmond St. West

Survey Company Canterex Industries, Curtis & Assoc

Author of Report Paul Pitman, geologist

Address of Author 20 Toronto St. Ste 1270, Toronto

Covering Dates of Survey June 11 - July 7, 1990
(linecutting to office)

Total Miles of Line Cut established lines cleaned out

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
--Electromagnetic	20
--Magnetometer	
--Radiometric	
--Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: July 13 1990 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications Q 10619

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
K	580422
K	580423
K	975439
K	975455
K	975456
K	975457
K	975458
K	975459
K	975460
K	975461
K	975462
K	975463
K	975464
K	975465
K	975466
K	975467
K	975468
K	975469

TOTAL CLAIMS 18

If space insufficient, attach list

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 1,185 Number of Readings 1,185

Station interval 50 feet Line spacing 400 feet

Profile scale one inch = 200 feet map, profiles at 1"= 50°

Contour interval 10° (ten degrees)

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument Geonics VLF EM 16

Coil configuration

Coil separation

Accuracy one degree

Method: ☒ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency 24.8 KHz (Seattle Washington) (specify V.L.F. station)

Parameters measured in-phase and quadrature

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken five (580423, 975455, 975457, 975458, 975461)

Total Number of Samples 40

Type of Sample rock, clay
(Nature of Material)

Average Sample Weight 2 pounds

Method of Collection collected from bottom of trenches - grab, chip sampling

Soil Horizon Sampled

Horizon Development

Sample Depth

Terrain outcrop exposed by trenching and at the bottom of trenches.

Drainage Development

Estimated Range of Overburden Thickness 2- greater than 16'

ANALYTICAL METHODS

Values expressed in: per cent ☐ p. p. m. ☒ p. p. b. ☒

Cu, Pb, Zn, Ni, Co, (Ag), Mo, As,-(circle)

Others gold

Field Analysis (none tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (42 tests)

Extraction Method

Analytical Method

Reagents Used

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis 150

Commercial Laboratory (tests)

Name of Laboratory Chemex Labs Ltd.

Extraction Method Fire assay, Aqua R

Analytical Method Atomic Absorption

Reagents Used

General

General

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: FIRE RIVER GOLD **

500 - 67 RICHMOND ST., W.
TORONTO, ON
M5H 1Z5

*** INVOICE NUMBER I9018360 ***

BILLING INFORMATION

Date : 10-JUL-90
Project : ALICE A
P.O. # :
Account : ILA

Comments:

Billing : For analysis performed on Certificate A9018360

Terms : Payment due on receipt of invoice 1.5% per month (18% per annum) charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION		SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 -	Au ppb	FA+AA			
238 -	AQ digestion				
6 -	Ag ppm	Aqua R	40	10.15	410.00
Sample preparation and other charges :					
205 -	Geochem - RING		40	1.75	70.00
294 -	Crush and split		40	2.25	90.00
				Total Cost $	570.00
				TOTAL PAYABLE (CDN) $	570.00

APPROVED FOR PAYMENT
DATE: July 13, 1990
BY:

ASSOCIATION OF FELLOW

PAID 13.7.90

GEOLOGICAL ASSOCIATION OF CANADA FELLOW

NOTE: New charges for FAXING of data
Effective MAY 22/89. As follows:
$0.50/data page inside N. America
$2.00/data page outside N. America

COMPANY: Fire River Gold Corp

PROJECT: Rice A Property

TIME RECORD

MONTH: July

Paul W. Pitman
51 Isabella St.
Brampton, Ont. L6X 1P8

DATE	WORK DESCRIPTION	HOURS	DAYS
1			
2	Travel to Miss Center + 9.0 hrs @ bush locating lines and post lines	4.0	
3	" " " "	10.5	
4	" " " "	9.5	
5	" " " "	11.5	
6	Travel from Miss Center to Toronto after 2 PM	6.5	
7	Travel to Toronto	0.0	
8			
9			
10			
11			
12			
13			
14			
15			
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29			
30			
31			

DOCUMENT No. W9001.247

KENORA MINING DIV.
RECEIVED
JUL 16 1990
AM 8 7 PM
7 8 9 10 11 12 1 2 3 4 5 6

GEOLOGICAL ASSOCIATION OF CANADA
P. PITMAN
FELLOW

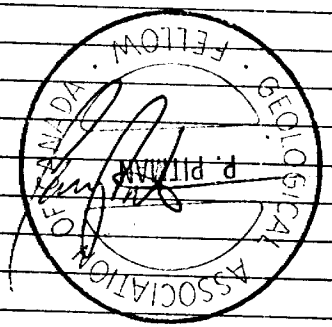
GEOLOGICAL ASSOCIATION OF CANADA
L. CURTIS
FELLOW

SIGNED: P. Pitman

APPROVED: [illegible] DATE: 7/11/90

CHARGEABLE	42.0	
NON CHARGEABLE		
TOTAL	42.0	5.25

Notes June 1990



Copy of JOURNAL ENTRIES for Transfer on Fire Fever Gold Corp Alice A' Property

Notes June 1990

DOCUMENT No. W9001-247

KENORA MINING DIV.
RECEIVED
JUL 16 1990
AM 8:17 PM
7 8 9 10 11 12 1 2 3 4 5 6

182-183 Sunday 1 July 1990
CANADA DAY

(Bob Chatenay - mine) No

183-182 Monday 2 July 1990

To Thunder Bay — Fire Fever Gold

7³⁰ - 7⁰⁰ - 11.5 hrs (brush 4.0 hrs)

spot first trench along L 20 E.

travel 7³⁰ - 3⁰⁰ 7.5 hrs
3⁰⁰ - 7⁰⁰ - 4 hrs
11.0 hrs.

184-181 **Tuesday 3 July** 1990

7:30 - 6:00 - 10.5 hrs (bush)
6:30 - 7:00 - (11.0) hrs total (planning)

trenching - L 12, L 8 E (14 e 12 S)
decks - L 4W, 8W (14 - 11.5)
- flag to L 20E 9+50 S

(34)

185-180 **Wednesday 4 July** 1990

7:30 - 5:00 : - 9.5 hrs
5:30 - 6:00 PM - (10.0 hrs total)

trenching : L 20E e L 4W
flag to L 16E, 16S for trenching

(24)

DOCUMENT No. W9001-247

KENORA MINING DIV.
RECEIVED
JUL 16 1990
AM 8:47 PM
7 8 9 10 11 12 1 2 3 4 5 6

186-179 **Thursday 5 July** 1990

7:30 - 6 PM : 11.5 hrs (bush)

trenching : L 16 E
flag to L 24 E

* work up report for 3 hrs while back hoe is being fixed

(3.5+)

187-178 **Friday 6 July** 1990

7:30 - 2 PM - 6.5 hrs (bush)
- trenching L 24E
- drive to Thunder Bay

2 - 4:00 - 2.0 hrs (park, pay bills)
8.5 (field)

4 - 7 PM - 3.0 hrs (travel to Thunder Bay)

11.5 hrs

(3.5+)

Invoice

026283

NO.

DATE

SHIPPED TO

Canterex Industries Inc.
R.R. No. 11 Site 10 Box 13
Thunder Bay, Ont. P7B 5E2

SOLD TO

L. Curtis & Assoc. Inc.
Suite 1270, 20 Toronto St.
Toronto Ontario
M5C 2B8

YOUR ORDER	OUR ORDER NO.	SALESPERSON
		James Lariviere

DATE SHIPPED	SHIPPED VIA	F.O.B.	TERMS
June 17/90			

QUAN. ORD.	QUAN. SHIP.	STOCK NUMBER - DESCRIPTION	PRICE		PER	AMOUNT	
		Grid ressurrection				250	00
		Mobe / demobe				150	00
		VLF Survey - 21.5 Km @	62.	50	Km	1343	75
		(Seattle Wash. trans. NLK 24.8 KHz)					
			TOTAL			1743	75

PAID BY CURTIS & ASSOC.
DATE: June 25/90
CHEQUE:

KENORA MINING DIV.
RECEIVED
JUL 12 1990
AM
BLUELINE D 4401 TRIP.
7 8 9 10 11 12 1 2 3 4 5 6

TRIP.

MANION LAKE AREA - G-2686

92°30' 92°15' 48°52'30"

LITTLE TURTLE LAKE AREA - G-2682

HEPBURN LAKE AREA - G-2675

BENNETT TWP. PLAN

FOR STATUS REFER TO TWP. PLAN

Moosetrack Lake

Turtle River

Indian Reserve No. 23

WILD POTATO LAKE AREA - G-2703

48°45'

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63 SUBSEC. 1.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition

SAND AND GRAVEL

- (5) GRAVEL FILE 162718
- (5) M.T.C. PIT 1089 GRAVEL FILE 162718
- (5) M.T.C. PIT 1058
- (5) GRAVEL FILE 16799 vol.7
- (5) M.N.R. Gravel Reserve No 228, File 162718
- (5) M.T.C. PIT No 18-14

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA

BENNETT LAKE

M.N.R. ADMINISTRATIVE DISTRICT

FORT FRANCES

MINING DIVISION

KENORA

LAND TITLES / REGISTRY DIVISION

RAINY RIVER

Ontario Ministry of Natural Resources — Land Management Branch

DATE FEBRUARY, 1984

M-2392.

NUMBER G-2667

5201658249 2.13429 BENNETT LAKE

200

(487922)

RECEIVED
SEP 26 1990
MINING LANDS SECTION

Scale 1:2400
100 0 100 200 300 400 500
(Feet)

□ CLAIM POST
STATION 24.8 KMe, SEATTLE WASHINGTON.

FIRE RIVER GOLD CORPORATION
ALICE A PROPERTY THUNDER BAY DISTRICT VLF EM FRASER FILTER
1in = 200ft June 1990 Map #:C179-1
Processed by QUANTECH CONSULTING INC.

2.13429

210

L32W L28W L24W L20W L16W L12W L8W L4W L0 L4E L8E L12E L16E L20E L24E L28E L32E L36E

16N
14N
12N
10N
8N
6N
4N
2N
0 BL
2S
4S
6S
8S
10S
12S
14S
16S
18S
20S
22S

975460
975464
975463
975459
975539
975469
River
975468
580423
580422
975458
975456
975465
975462
975456
975466
975461
975457
975467

0 10 20 30 60
+ -

RECEIVED
SEP 26 1990
MINING LANDS SECTION

Sept 18/90

Legend
IN PHASE
QUADRATURE
trace of conductor axis

FIRE RIVER Gold Corp
'Alice A' PROPERTY
VLF-EM* NLK, WASHINGTON
CANTERRA INDUSTRIES
June 1990

* all readings taken facing north

0 200' 400' 600'
feet

2.13429

5201696249 2.13429 BENNETT LAKE