

LOG NO: 08-27	RD.
ACTION:	
FILE NO:	

ASSESSMENT REPORT

On The

**PGC CLAIMS**

(GOLD, Copper, Zinc)

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

By

**20,234**

G. Salazar S.

August 16, 1990

N.T.S.: 92 G/16W  
PROVINCE: British Columbia  
COUNTRY: Canada  
LATITUDE: 49° 51.5' N  
LONGITUDE: 122° 26.7' W  
MINING DIV.: New Westminster

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## INTRODUCTION

This assessment report is prepared to comply with work requirements of the British Columbia Government. It summarizes the work carried out by G. Salazar, owner of the PGC Claims, in three separate visits to the area with the help of his sons G. Salazar M. and C. Salazar M.

## PROPERTY DESCRIPTION

Table No. 1 summarizes the pertinent title data related to this property. See Figure No. 1.

TABLE No. 1: CLAIM STATUS.

CLAIM NAME	CLAIM TYPE(1)	No. UNITS	RECORD No.	RECORD DATE	EXPIRY DATE (2)
PGC	MGS	12	3749	Sep19/89	1990
PGC #1 (+)	2p	1	3742	Aug30/89	1990
PGC #2 (*)	2p	1	3743	"	1990
PGC #3 (*)	2p	1	3744	"	1990
PGC #4 (*)	2p	1	3745	"	1990
TOTAL:		16 units			

NOTES (1): MGS is modified grid system, 2P is two post.  
(2): Expiry date shown does not reflect this work.  
(\*): Claims presently overstaking claim FM-7.

Title to the PGC claim was confirmed as a result of an Order of the Gold Commissioner who declared claim RES # 2 (Rec. No. 3699) "void ab initio" on August 9, 1990. A Section 35 Complaint dated August 11th, 1990 has been filed with the Gold Commissioner regarding improper staking of claim FM # 7.

## LOCATION

In between Glacier and Fire Lakes, 7.5 km upstream Snowcap Creek from its confluence with the Lillooet River at the village of Skookumchuck. The village of Skookumchuck is 27 km north of the northern end of Harrison Lake and the village of Douglas. The Fire Lake/Glacier Lake area is 80 km north east of Vancouver. See Figure No. 1.

## ACCESS

The claims are accessed by 2X4 vehicle via the Snowcap Creek logging road from the Lillooet River all weather road. It takes one hour to reach the village of Pemberton from this road

(FOR PLACER S)

TO WEST SEE MAP 92 C/15 E

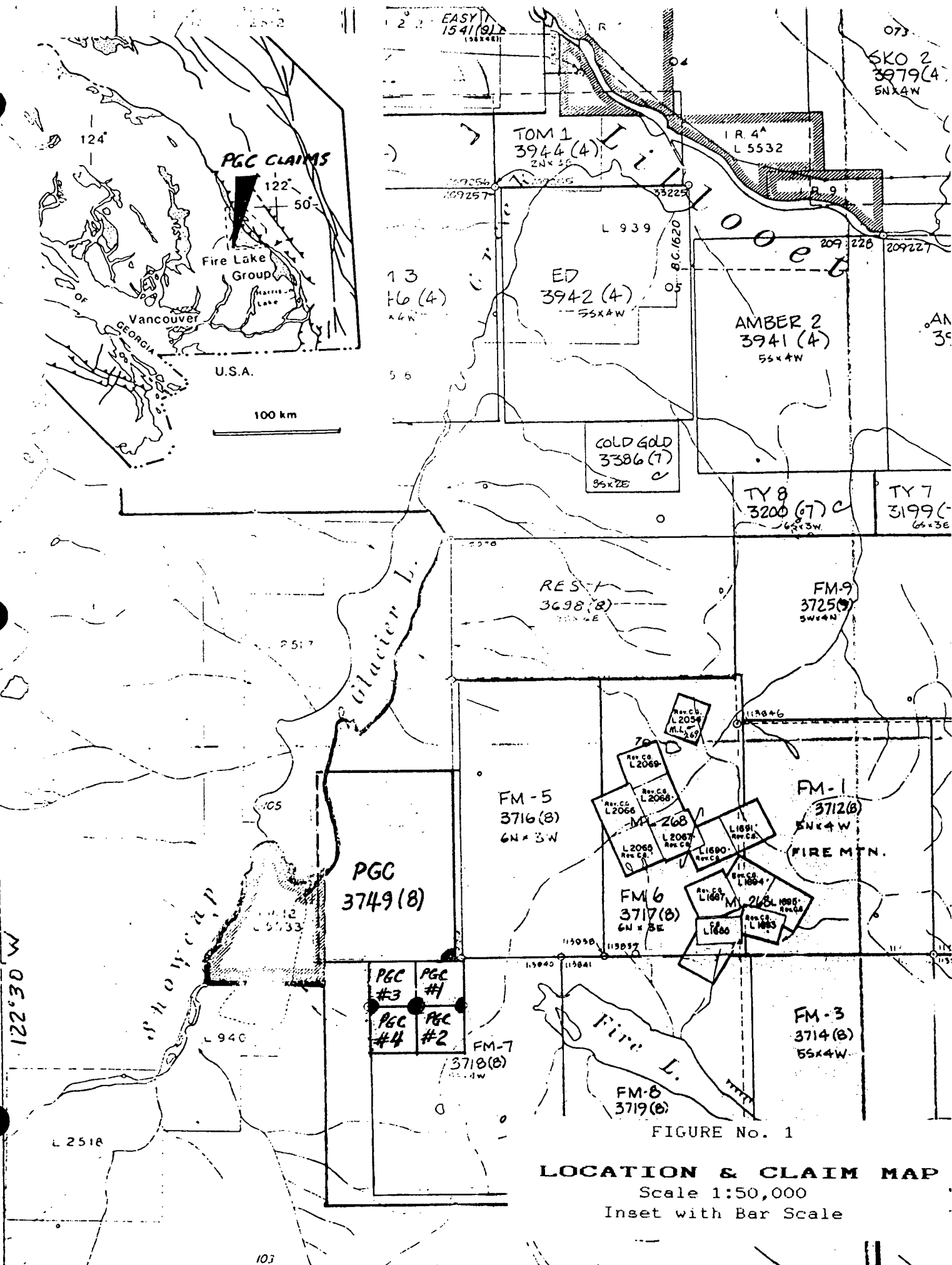


FIGURE No. 1

**LOCATION & CLAIM MAP**  
 Scale 1:50,000  
 Inset with Bar Scale

junction. The claims can also be accessed by float airplane into either Fire Lake or Glacier Lake or by helicopter from Agazziz. See Figures No. 1.

## **PREVIOUS EXPLORATION**

The claims are situated immediately west of the old showings protected by the Money Spinner, Providence, Blue Lead, Barkoola and south of the Mayflower-Dandy Crown Granted mineral claims and at the north end of the Harrison Lake to Fire Lake gold mineralized belt. As such, they have had sporadic periods of prospecting. Exploration activity is related to staking dated 1937, 1967, 1983 and 1989.

Showings discovered in 1937 but not yet relocated, a recent publication by the B.C. Geological Survey and present on-trend exploration activity justify renewing exploration efforts.

## **WORK DONE IN 1989 & 1990 (Prior to August 30, 1990)**

1. Claims PGC # 1-4 were staked on August 30, 1989.
2. Prospecting of the PGC # 1-4 claims and region was carried out August 31st and September 1, 1989.
3. Camp was de-mobilized on September 2, 1989.
4. Camp was re-established on September 16th, 1989.
5. Staking of the PGC claim started September 17, 1989 and was completed September 19, 1989.
6. Initial prospecting and sampling of the PGC claim was carried out on September 20th and 21st, 1989. Collected four stream sediment samples.
7. Camp was de-mobilized on September 22, 1989.
8. Mobilized to Glacier Lake on May 26, 1990.
9. Camp was established at Glacier Lake on May 27th, 1990, prospecting day.
10. Visit with Claims Inspector who came to investigate my Complaint under Section 35 regarding the staking of RES # 2 claim. May 28, 1990.
11. Prospecting, road surveying and stream sediment sampling of PGC Claim. Collected ten stream sediment samples. Saw too much wildlife and decided to leave. Left for Lilloett by 7:00 pm. of May 29, 1990.
12. Completed de-mobilization to Calgary on May 30, 1990.

## **REGIONAL GEOLOGY**

The B.C. Geological Survey's O. F. No. 2203 shows the Geology of the Glacier Lake Map Sheet at a scale of 1:50,000 (See Figure No. 2). This map shows the claims protect the nose of a southeasterly plunging syncline which exposes Early Cretaceous Fire Lake Group volcanic and sedimentary rocks along both flanks.

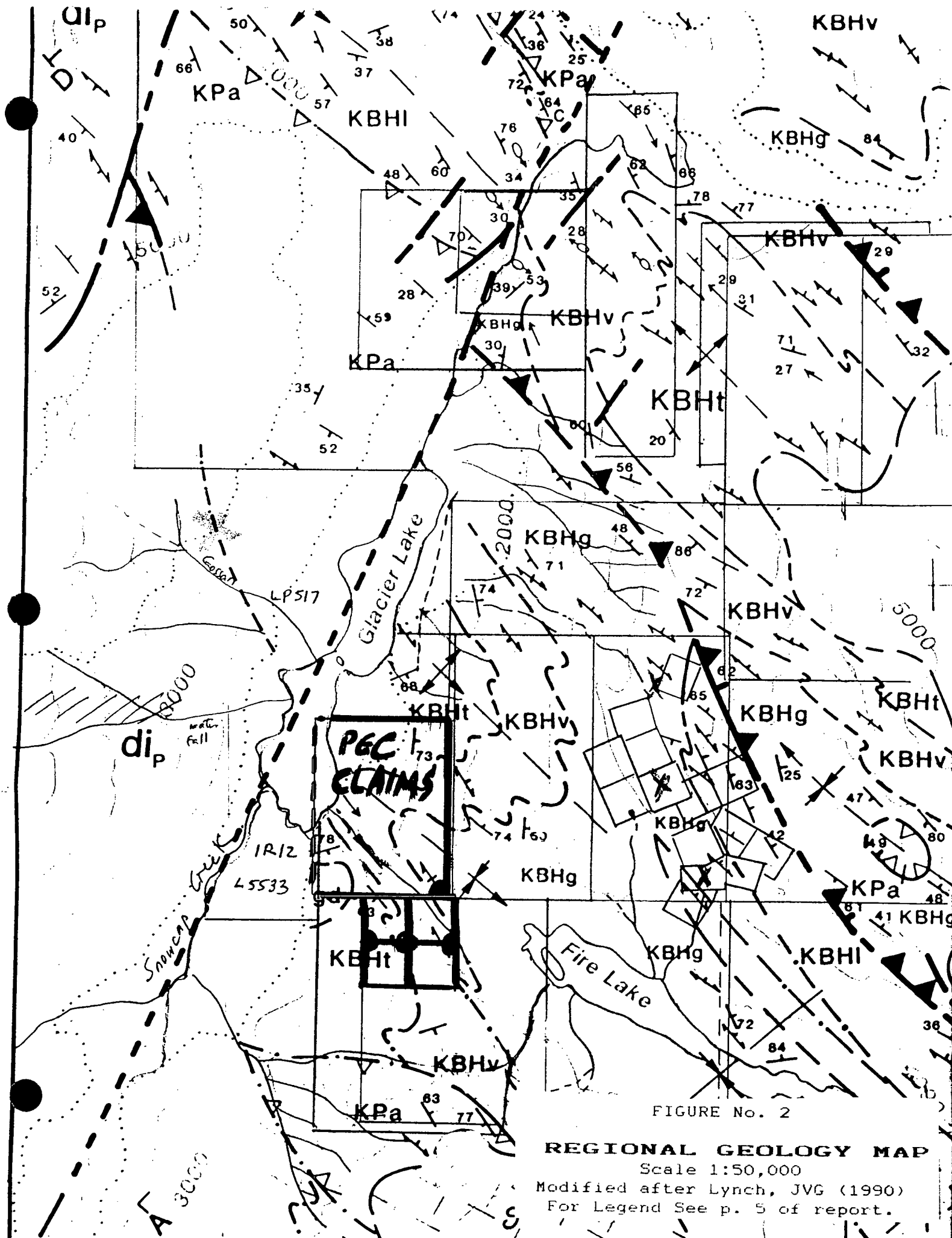


FIGURE No. 2

**REGIONAL GEOLOGY MAP**  
 Scale 1:50,000  
 Modified after Lynch, JVG (1990)  
 For Legend See p. 5 of report.

These rocks are now considered to be a part of the Gambier Assemblage (J.V.G. Lynch), thus the search for Britannia type copper-gold deposits has been intensified in the Fire Lake Area.

Structural control is defined by Journeay & Csontos as being represented by the northwesterly trending, northerly splaying, imbricated Harrison Lake Shear Zone which is cut by transcurrent northerly to northeasterly faults with a right lateral movement. Journeay & Csontos conclude that '...these transcurrent faults may be providing the necessary structural control for localizing economic concentrations of both base and precious metals within the region ...'. Glacier Lake and Snowcap Creek are recognized as defining the trace of one of these transcurrent fault zones. Tectonic breccias, gypsum 'horizons' and associated sulphide mineralization are potential indicators of this type of mineralization.

The four splays of the Harrison Lake Shear Zone known to exist in the Fire Lake - Glacier Lake area are cut off by the Glacier Lake - Snowcap Creek transcurrent fault. Journeay & Csontos report a 10 km right lateral displacement along brittle structures within this fault. An unrecorded gossan present on the hills above the western shores of Glacier Lake and within Garibaldi Park may be associated to the Harrison Lake shear splays reaching Glacier Lake from the southeast and may reduce this movement considerably.

The presence of four splays of a favourable shear zone cut by such a strong transcurrent fault makes the vicinity of Glacier Lake specially attractive for exploration since this setting may have provided the appropriate plumbing for the emplacement of a hydrothermal and/or an epithermal system.

## **LOCAL GEOLOGY & MINERALIZATION**

Lynch's geological legend for the units present in Figures No. 2 and 3 is described below in the same stratigraphic order shown by him:

### **TERTIARY**

Tgd Granodiorite, minor coarse grained granite.

### **AGE UNCERTAIN**

gd Granodiorite, minor granite; bgd biotite-rich granodiorite; hgd hornblende-rich granodiorite.

### **EARLY CRETACEOUS (GAMBIER GROUP)**

Broken Hill Formation

KBHg Volcaniclastic sandstone, feldspathic greywacke, chloritic

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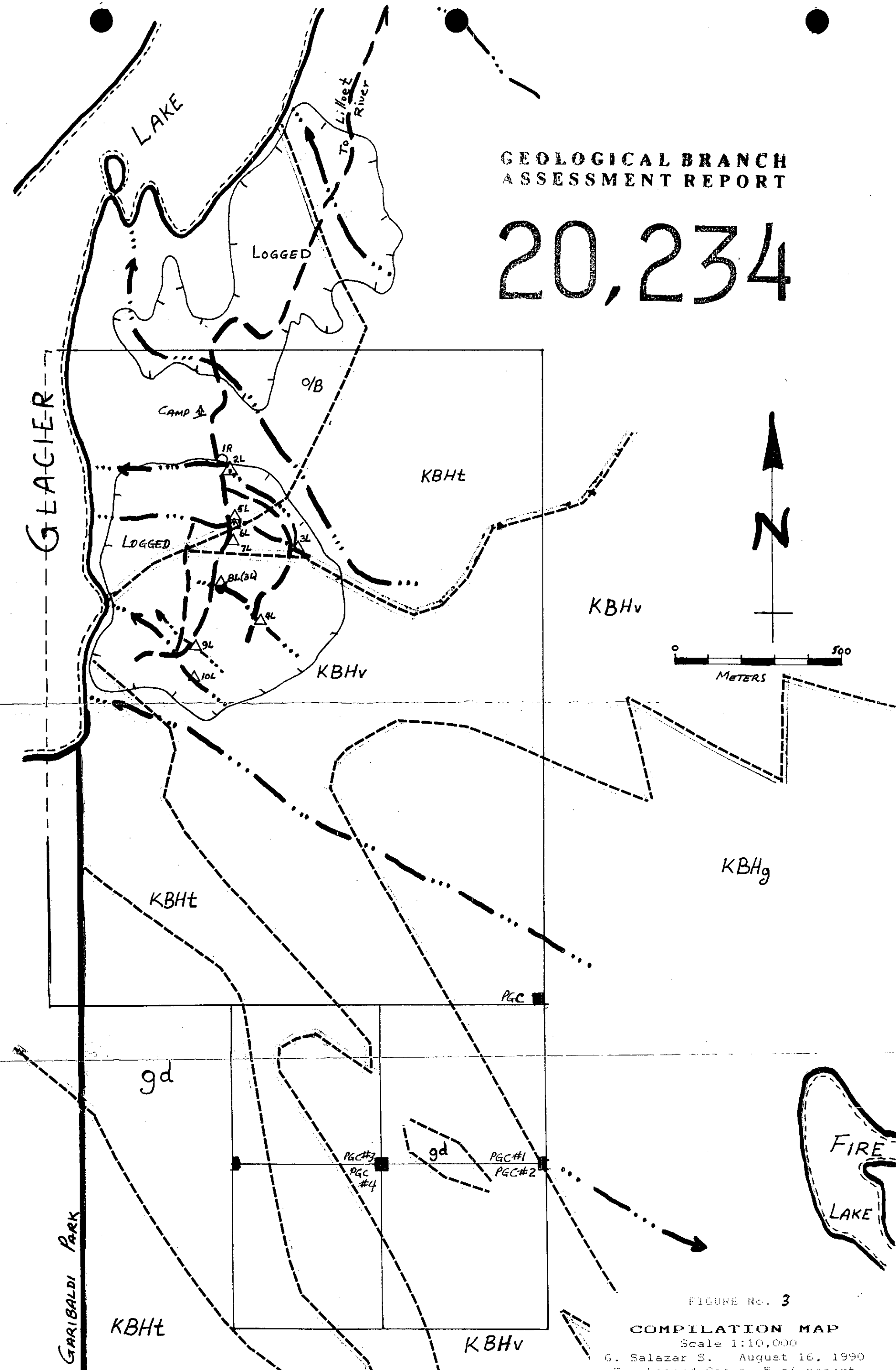


FIGURE No. 3

COMPILATION MAP

Scale 1:10,000

G. Salazar S. August 16, 1990  
For Legend See p. 5 of report.



phyllite, slate.

KBHv Andesite, autoclastic breccia and heterolithic volcanic conglomerate, minor pillowed basalts.

KBHt Slate, muscovite phyllite, feldspar crystal tuff.

Peninsula Formation

KPa Interbedded arkose, pebbly arkose and pyritiferous slate.

#### LATE JURASSIC to EARLY CRETACEOUS

di, Pemberton Diorite Complex, included with coarse grained diorite, migmatite.

Figure No. 3 shows the PGC claims' boundaries over the latest geologic map of the area (J.V.G. Lynch's Open File 2203), modified to show information from private and assessment files.

The yet to be relocated 1937 showings located to the south east of Glacier Lake suggests the presence of the fourth mineralized splay.

The stream sediment sampling carried out to date (See Figure No. 3 and Appendix No. 2) has not found indications that such showing could exist, although the survey is far from complete.

#### **REFERENCES**

Boronowski, A.J. (1983): "Geological and Geochemical Report on the LILABET 1 CLAIM", KIDD CREEK MINES LTD. Assesm. Report # 11638.

Journey J.M.; and Csontos, L. (1989): "Preliminary Report on the Structural Setting along the southeast flank of the Coast Belt, British Columbia. GSC Paper 89-1E, pp 177-189.

Lynch, J.V.G. (1990): "Geology of the Fire Lake Group, southeast Coast Mountains, British Columbia". GSC Paper 90-1E, pp 197-204.

----- (1990): "Geology of the Glacier Lake Map (92G/16)". Open File # 2203. Scale 1:50,000.

McCLAREN, M. and HILL, A.R. (1987): "Geological and Geochemical report on the QUET Property, Sloquet Creek Area, New Westminster Mining Division". Report prepared for ARANLEE RESOURCES LTD. and filed with Aranlee's prospectus dated December 20, 1988.

Peters, L.J. and Sowerbutts, E.H.(1988): "Geological, Geochemical and Geophysical Report on the Easy # 1 Claim for SYME RESOURCES LTD." Assesm. Report # 17855.

Tylor, B.F. & Price, B.(1988): "Prospecting Report, Fire Mountain Gold Prospect, Claim Ty # 2". Assesm. Rep. # 17,596.

White, G.E.(1983): "Geophysical Report on an Airborne Magnetometer- VLF Electromagnetometer Survey for RHYOLITE RESOURCES LTD., Inferno I to XII - Fire Mountain. Assesm Report # 11,796.

G. Salazar S.

August 16, 1990

APPENDIX No. 1

STATEMENT OF QUALIFICATIONS

I, Guillermo Salazar S., of 23 Brabourne Mews SW, Calgary, Alberta T2W-1V9, hereby certify that:

1. I attended and graduated from the Universidad Nacional de Ingenieria de Lima, Peru with a Bachelor's of Science and a Engineering Degrees in Mining Engineering and Mining Geology in 1967. I also attended Harvard University from which I was awarded a Master's of Arts degree in Economic Geology in 1969.

2. I am a holder of valid Free Miner's License No. 303332.

3. I have in excess of twenty years of experience in my field in Canada, the U.S.A. and South America.

Calgary, August 16, 1990

Guillermo Salazar S.

APPENDIX No. 2  
STATEMENT OF EXPENDITURES

**PERSONNEL**

Guillermo Salazar S., geologist.  
 Staking Days: August 29, 30 and September 16-19, 1989.  
 Title days: May 28th, 1990.  
Prospecting Days: August 31, September 1, 2, 20, 21 and 22, 1989 and May 29-30, 1990. Total of 8 days.

Guillermo Salazar M., helper.  
 Staking Days: August 29-30, 1989.  
Prospecting Days: August 31, September 1 and 2; total of 3 days.

Carlos Salazar M., helper.  
 Staking Days: August 29-30, 1989.  
Prospecting Days: August 31, September 1 and 2; total of 3 days.

All personnel reside at 23 Brabourne Mews SW, Calgary, Alta.

**STATEMENT OF EXPENDITURES**

PERSONNEL

Senior Prospector/Geologist:	\$1,600.00
8 days @ \$200./day	
Two Helpers: 6 days @ \$50./day	\$300.00

TRANSPORTATION

Truck Rental, 8 days @ \$50./	\$400.00
-------------------------------	----------

ROOM & BOARD

14 man days @ \$25.00/man day	\$350.00
-------------------------------	----------

ASSAYING

Acme Laboratories Ltd.	\$88.15	
Loring Labs	\$52.60	\$140.75

REPORT

G. Salazar S., 3 days @ \$200./d	\$600.00
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TOTAL

-----  
\$3,390.75

16 units @ \$100.00/year = \$1,600.00  
 Two years = \$3,200.00  
 32 year-units X \$5.00 = \$160.00

Calgary, August 16, 1990

Guillermo Salazar S.

To: C. SALAZAR & ASSOCIATES LTD.,

23 Brabourne Mews S.W.,

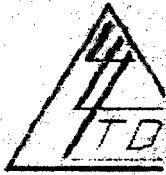
Calgary, Alberta T2W 2V9

ATTN: Guillermo Salazar

File No. 32807

Date September 29, 1989

Samples Stream Sediments



APPENDIX No. 3

ASSAY CERTIFICATES

## Certificate of Assay LORING LABORATORIES LTD.


SAMPLE NO.	PPB Au	PPM Cu	PPM Pb	PPM Zn	PPM Ag
------------	-----------	-----------	-----------	-----------	-----------

### Geochemical Analysis

FL # 1L	NIL	298	12	452	0.2
2L	NIL	509	10	160	0.1
3L	180	58	4	79	<0.1
4L	NIL	17	2	34	<0.1

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Samples retained one month.  
Reagents retained one month  
unless specific arrangements  
are made in advance.

  
Assayer

To: G. SALAZAR & ASSOCIATES LTD.,

23 Brabourne Mews S.W.,

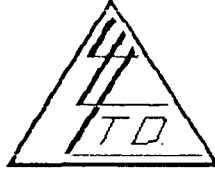
Calgary, Alberta T2W 2V9

ATTN: Guillermo Salazar

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2L	NIL	599	10	160	0.1
3L	180	58	4	79	<0.1
4L	NIL	17	2	34	<0.1

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.  
Pulps retained one month  
unless specific arrangements  
are made in advance.

  
Assayer

## GEOCHEMICAL ANALYSIS CERTIFICATE

G. Salazar S. & Associates Ltd.

File # 90-1729 Page 1

23 Brabourne Mews S. W., Calgary AB T2W 2V9

Submitted by: GUILLERMO SALAZAR S.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
FLS1R	4	36	13	34	.2	2	5	261	3.63	14	5	ND	1	8	.4	2	2	34	.06	.036	2	4	.56	61	.01	2	1.37	.02	.10	1	11

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1 Rock P2 Stream Sed AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE

DATE RECEIVED: JUN 13 1990 DATE REPORT MAILED: *June 18/90* SIGNED BY: *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	V ppm	Au <sup>g</sup> ppb
FLS2L	1	99	12	135	.2	15	21	969	4.26	16	5	ND	1	38	1.0	9	2	73	.64	.061	4	18	1.51	122	.17	2	2.78	.01	.11	1	8
FLS3L	1	96	21	199	.3	15	19	493	3.25	10	5	ND	1	40	.2	9	3	56	.71	.047	3	17	1.13	65	.13	2	2.17	.02	.05	1	4
FLS4L	3	102	17	190	.4	11	21	771	3.57	15	5	ND	1	47	1.0	8	3	58	.74	.044	4	14	1.24	69	.12	2	2.24	.01	.06	1	7
FLS5L	1	97	15	137	.3	14	21	1142	4.27	13	5	ND	1	36	.7	7	3	71	.72	.058	4	19	1.38	67	.11	2	2.18	.02	.06	1	151
FLS6L	2	108	12	201	.3	17	22	876	4.42	20	5	ND	1	39	.9	5	3	74	.65	.050	4	19	1.39	111	.14	2	2.71	.01	.07	1	132
FLS7L	1	117	14	163	.4	17	24	922	4.39	11	5	ND	1	44	.5	5	2	75	.80	.070	4	21	1.52	80	.14	8	2.31	.02	.09	1	33
FLS8L	2	99	23	176	.4	16	20	942	4.41	12	5	ND	1	51	.8	7	4	80	.79	.059	5	21	1.69	83	.17	2	2.89	.02	.12	1	7
FLS9L	1	34	10	75	.2	11	15	609	3.80	6	5	ND	4	40	.6	5	2	69	.77	.086	7	18	1.00	89	.16	2	2.01	.03	.18	1	14
FLS10L	2	60	17	149	.5	11	14	1009	3.53	34	5	ND	1	34	.9	5	6	57	1.05	.081	8	15	.87	86	.09	2	2.83	.01	.05	1	10
STANDARD C/AU-S	17	58	41	132	7.0	68	30	1026	3.91	35	17	7	37	48	17.6	16	19	56	.50	.087	37	54	.91	174	.09	31	1.94	.06	.14	11	50





# ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

852 East Hastings St., Vancouver, B.C. V6A 1R6

File: 90-1729

Date: Jun 15 1990

G. SALAZAR S. & ASSOCIATES LTD.  
 23 BRABOURNE MEWS S. W.  
 CALGARY, AB  
 T2W 2V9

**TERMS:**  
 NET TWO WEEKS -  
 1% PER MONTH CHARGED ON  
 OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
10	SPECIAL PRICE - 30 ELEMENT ICP ANALYSIS @	3.25	32.50
10	GEOCHEM AU ANALYSIS BY ACID LEACH (10 gm) @	4.50	45.00
1	ROCK SAMPLE PREPARATION @	3.00	3.00
9	STREAM SED. SAMPLE PREPARATION @	0.85	7.65
	TOTAL		88.15
	SAMPLES SUBMITTED BY GUILLERMO SALAZAR S.		

62/6413

PLEASE PAY LAST AMOUNT