REPORT ON THE

MARGO & LOUISE - 2 CLAIM GROUP

Sovereign Creek Area Maps 93A/13W & 93H.4 CARIBOO MINING DIVISION

53° 00

for

R. Trifaux #308 - 851 Clarke Road Coquitlam, B.C. V3T 3Y3

bу

R. Trifaux

### GEOLOGICAL BRANCH ASSESSMENT REPORT

September/October 1985

are no 1,4,5 shown in report this The maps included in Contents, Table of Maps no 2%3 are not included in the report but they are mentioned evidence general reference material showing the the author ру consulted documents ಯ as

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ASSESSMENT WORKS 1984-85 MARGO & LOUISE-2 CLAIMS CARIBOO MINING DIVISION

#### INTRODUCTION

The areas where I did my works and the Geochem survey are situated mainly on the right bank of the Sovereign creek. Some works were done on the left bank of the same creek, excavation and breaking of rocks in the outcrops.

The general area is situated 38 to 40 kms in a south-easterly direction from the town of Quesnel. All the claim units are situated north of Forestry Road. (See Map No. 93A/13 Swift River - Edition No. 2, Surveys and Mapping Branch, Department of Energy, Mines & Resources). The Margo and Louise-2 claims, specifically, are situated mainly on the west side of Road No. 13H, but a part of them is situated between Roads 13H and 13J. To reach these areas from Quesnel, one takes the Barkerville Road from the airport to Cottonwood hamlet, then continues for 10 km (approx) to the junction of the Barkerville Road with the Swift River Forestry Road.

One follows the Forestry Road to km 1317 where the junction between the Road (Forestry) and 13H Road exists. From the junction one drives 10 km (approx) to reach the Margo and Louise claims. (See Claim location map).

On the Margo claims I followed the micaceous - quartzitic beds 50 meters north and 50 meters south of the quarry. The mica sheets are small, but prominent, with flakes above 100 mesh. The beds are highly oxidized and sometimes the presence of pyrites is remarkable. Pannings of gravels for precious metals and others was done in 5 places (see map locations) on the 2 banks of the Sovereign creek. One small speck of Au has been found. Going west on the claims, big ultramafic boulders were encountered, broken and samples taken for future analysis. (Location - west of small logging road). I tried again to locate the contacts of the formations. I found the one between the

phyllites and grey schists, but the overburden and in some places the rounded gravels, are hiding the formations.

On the left bank of the Sovereign creek, in the direction of the aupposed prolongation of the micaceous quartzites beds from the west, I found overburden only, no mica, no quartzites.

A geochemical survey was done on the claims, 5 lines at a distance of 250 m. each, for the pits, 4 on each line also at a distance of 250 m., covering 1 square kilometer. (See details on map prepared by the author of this report, also see results of analyses on laboratory report).

Instructions and teachings of preparation of a Geochemical Survey were given to A. Fardal, contractor for R. Trifaux and Trifaux Minerals Ltd.

The firm of Nevin, Sadlier-Brown and Goodbrand Ltd. was retained to establish a geological report on the WIM & WIM-TA claims, (a petrographic study of the talcs was done) and the geologist came also to visit us on the geochemical survey we were preparing. We appreciated the information given by him on the survey.

No more logging has been done in these areas this year.

#### TOPOGRAPHY

The dimensions of the widths of the flats of the Sovereign creek are becoming shorter going north on the claims. The depths of the valley, of course, is also shorter. (See sketch)

The slopes of the claims are flattening somewhat, going north in the vally.

The flanks of the valley are quite steep starting from the Swift River Forestry Road going north, but starting at the units 2N, 2N1W, 2N2W, 2N3W, 2N4W, and going to 5N, 5N1W, 5N2W, 5N3W, 5N4W, they are becoming flatter. (See sketch)

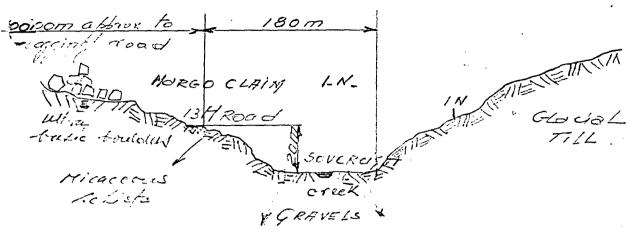
All the affluents of the Sovereign creeks are situated on the 2 flanks of the valley and are deversing their waters which represent a strong debit when analyzed at the culvert on the Swift River Road.

- 3 -

TOPOGAPHY SECTIONS THROUGH

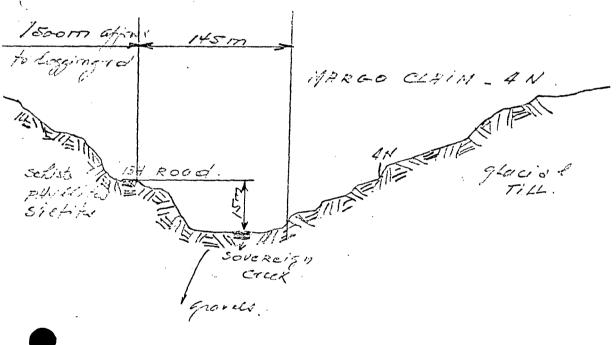
NARGO GLAIMS IN SOVEREING OR

AND INDRING, ANDROWN.



GEOLOGICAL BRANCH ASSESSMENT REPORT

# 14,582



SKETCH - NOT TO Scok.

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NOTE - 2 Identical Sections were given,
in previous Report - Sections through

#### ASSESSMENT WORKS 1985-85 MARGO & LOUISE-2 CLAIMS CARIBOO MINING DIVISION

#### TECHNICAL DATA

- 1. Regional Geology
- 2. Local Geology
- 3. Samples of materials encountered
- 4. Geochemistry (a) summary of samples analyzed
  - (b) commentaries on results
  - (c) map samples location survey
  - (d) methods used by laboratories

#### 1. Regional Geology

Quesnel Lake map 1:125.000 Surveys & Mapping Branch 0F574

- Represents the phyllites, argillites, slate/argillite, quartzite, schists, minor greenstones. The phyllites have a weavy surface.
- Dykes and sills passing gradually upward to facies of metamorphism.
- R Ja Basaltic tuff and breccia, fine grained argillite, local andesitic basalt.
- QdL This represents the unmapped glacial deposits.

Map O.F. 858 Bed Rock Geology - Cariboo Lake - Spectable Lake, Swift River - Cariboo, B.C.

UR | Same as above

UR 3 Same as above

MPA Mississippian ? Permian

MPA Serpentinite, sheared mafic rocks

DMS Devonian and Mississipian - black siltite, phyllites, grey micaceous quartzite, limestone, minor metatuff.

Mp. RP. Mississipian to Permian

Black Siltite and slate may be equivalent to DMS. A geological contact exists between MPau and U.Ta', which is situated parallel to the Swift River Road on the claims.

The Trust Fault is situated north of the geological contact and it is more or less parallel to the contact.

Good outcrops representing the above formations have been located on Kimo, Itula, Louise-1, Louise-2 and Margo claims.

The direction of the formations is 30 to 40 degrees N.W. the dip, roughly 50 degrees N.E.

#### 2. Local Geology

The micaceous quartzitic formations are showing sporadically on the Louise-2 claims, also on the Itula claims. The mica is very fine but abundant, colored grey with deep ferruginous alterations. Films of pyrites and some pyritic crystals are seen in the formations.

The platty structure of the rocks is caused by the parallel joints closely spaced in the rocks on the Louise claims and become more coarse and dark grey on the Margo claims. Also, the mica become coarser and some biotite has been noticed in some samples.

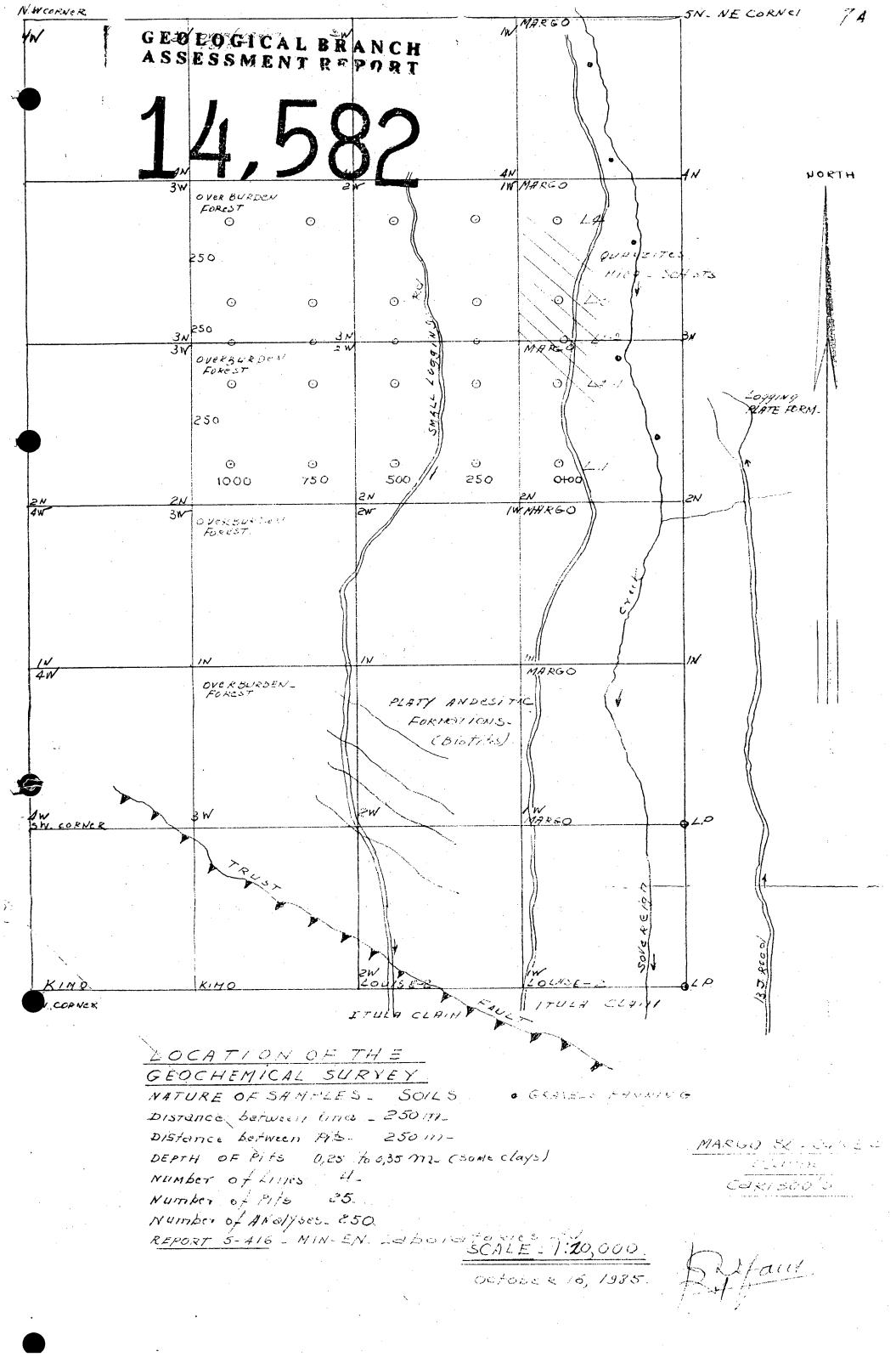
In the middle of the Margo claims, black siltite (some with graphite) and phyllites are seen with some of the micaceous quartzite. Some grey schists have been noticed on the north of the claims.

Quite large boulders of ultrabasic rocks have been broken by us to take samples. They are the prolongation and the end of the ultrabasic intrusions seen on the Wim Ta, Tom, Kimo claims. Some of them are deeply altered, on the surface they are reddish (alteration of CR203 ??) and some are rich in Mica and Olivine. Some phlogopite has been seen in some of them.

The logging road excavations are not showing too much on the left bank of the Sovereign Creek, as far as geological formations are concerned.

# TECHNICAL DATA (CONTINUED) SAMPLES LOCATION - GEOCHEM SURVEY

LINES	SAMPLES	MATERIAL SAMPLE	BRIEF DESCRIPTION	
1	0+00	Soils	Brown soils on top, clay underneath	30 cm.
	+250	tt	Brown soils on top	30 cm.
	+500	tt	Greyish soil, clay (glacial tilt)	25 cm.
	+750	11	Greyish soil, clay (glacial tilt)	25 cm.
	+1000	ti	Greyish soil, clay (glacial tilt)	25 cm.
2-1	0+00	11	Brownish soil, micaceous debris	25 cm.
	+250	11	Brownish soil on top, clay underneath	
	+500	11	25 to Brownish soil on top, clay underneath	30 cm. 25 cm.
	+750	11	Grey soils, clay (glacial tilt)	22 cm.
	+1000	11	Grey soils, clay (glacial tilt)	25 cm.
2 <b>-</b> 2	0+00	11	Grey soils, some clay (glacial tilt)	24 cm.
	+250	11	Grey soils, some clay (glacial tilt)	20 cm.
	+500	11	Grey soils, some clay (glacial tilt)	27 cm.
	+750	11	Grey soils, some clay (glacial tilt)	27 cm.
	+1000	11	Grey soils, some clay (glacial tilt)	22 cm.
3	04-00	11	Black soils, some gravel	30 cm.
	+250	***	Black soils, some gravel	31 cm.
	+500	11	Black soils, some gravel	27 cm.
	+750	11	Black soils, some gravel	26 cm.
	+1000	H	Black soils, some gravel	24 cm.
4	0+00	11	Black soils, some gravel	22 cm.
	+250	11	Ferruginous gravel, mica, some clay	22 cm.
	+500	11	Ferruginous gravel, mica, some clay	26 cm.
	+750	11	Ferruginous gravel, mica, some clay	27 cm.
	+1000	11	Ferruginous gravel, mica, some clay	30 cm.



#### 4. Geochemistry

#### (b) Commentaries on Soils Analyses

Silver: Is highly anomalous in all the samples.

P.P.M. from .5 to 1.2 7 reading 1.2

1.3 2 reading

.5 to 1.1 nothing lower than .5

The average abundance in soils is 1. All of the samples represent the metal without fail. It is outstanding in the survey.

Bismuth: Also the Bi, is highly anomalous in all the samples. 0.17 is the average in the earth crust. Samples contain from 8 to 24 pp. mgg 8 1 sample 16 ppm 2 samples 17 ppm 2 samples 1 sample 11 ppm 18 ppm 1 sample 12 ppm 3 samples 6 samples 19 ppm 13 ppm 1 sample 14 ppm 1 sample 20 ppm 1 sample 4 samples 24 ppm 1 sample 15 ppm

This is also quite outstanding.

Cadmium: Some of the samples are anomalous. Up to 2 ppm, but nothing outstanding.

Cobalt: Definitely the values of Co are low and are not revealing anything in this area.

Copper: The Cu values are above 20 ppm. In 13 samples, there is nothing outstanding at this time, but the continuity of the presence of copper above 20 ppm in soils necessitates more work in this area.

Molybdenum: All the samples are anomalous, all of them are higher than the average in soils, which is 2 ppm. The high values and the continuity of the Mo presence is remarkable. Itula, Louise-2 and Margo claims, the entire area shows Mo with sustained ppm values.

Nothing outstanding, but the presence of Ni and it's continuity are also interesting. More work will be done.

<u>Lead</u>: The average value of lead in the intermountain belt has been calculated at 22 ppm in soils. Three samples analyzed are lower than 20 ppm.

Above 22 ppm - 27, 22, 28, 27, 27, 28, 25 ppm

Above 30 ppm - 39, 34, 30, 36, 38, 37, 34, 34 ppm

Above 40 ppm - 40, 44, 41, 43, 43 ppm

Above 50 ppm - 51 ppm

There are 22 values above the average value in this belt. This is also outstanding for the area. More extensive search will be done on the claims.

Stibnite: The average in soils is approximately 5 ppm.

Values found - 5, 5, 6, 6, 6, 5, 6, 6, 3, 3, 5, 6

7, 8, 7, 7, 8, 9, 9, 8, 8, 9, 8, 8

Eighteen values above 5 ppm, though not outstanding, the presence of stibnite is found in all of the samples.

Zinc: The average value of Zn in the belt is 33 ppm.

Values found - 22, 27 ppm

43, 41, 49, 46 ppm

50, 57, 52, 58, 59, 51 ppm

64, 60, 61 ppm

71, 77, 74, 78, 76 ppm

89, 91 ppm

Considering the average of 33 ppm in the belt, 10 values which represent twice the average value in soils is noticeable, and we found high values south of the claims. More work will be done.

All the presence of good values for several metals contribute to the presence of an anomaly on the claims. Of course, further investigations are necessary to be done. This geochemical survey, with the survey done previously, are definitely outstanding and remarkable in the presence of the elements.

We do not know the depth of oxidation and it may be surficial but it may also be to a great depth. In the andesite formation to the south biotite has been encountered with pyritic films.

Geochemical abundance data alone neither provide a criteria in identifying broad areas favorable to a metal mineral-ization which may result in an economic concentration and that the geologic indications must be considered in conjunction with geochemical factors.

The presence of Bi suggest the presence of Au in a gossan because it tends to concentrate Au. Molybdenum is commonly associated with Au in most types of it's deposits and in some of them there is a positive correlation between Molybdenum and Au. Cohalt accompanies Au in most types of deposits but only in trace or minor amount, which is the case here on the claims.

In association with Au, often we have graphite, carbon minerals in seams and slips (black leaders). It is also the case in some places here.

The gain acquired with this survey is definitely worth to mention and permit the spending in further investigations for Ag, Au, Pb, Zn, Cu and Mo. COMPANY: R. TRIFAUX

MIN-EN LABS ICP REPORT (ACT:) PAGE 1 OF 1

PROJECT NO: 6			700 ₩EST	15TH ST.	, NORTH V	ANCOUVER,	B.C. V7h	172			FILE NO: 5-416
ATTENTION: R. TRIFA	UX					(604)988-			SOIL 6	EOCHEM +	DATE: JULY 31, 1985
(VALUES IN PPM )	AG	BI	CD	CO	CU	MO	. NI	PB	S	B IN	
ML1-000	1.2	19	. 4	8	18	6	28	27		6 63	
ML1-250	.8	12	.8	7	21	6	29	22	;	5 43	
ML1-500MH	.5	8	. 4	4	15	3	14	13		2 22	
HL1-750HW	.8	16	.4	8	17	6	35	28	;	5 50	
ML1-1000HH	1.1	19	1.2	9	19	7	34	27		7 57	
HL2-000	.8	17	1.2	12	30	9	36	. 39		B 91	
ML2-250	.6	14	.6	11	16	6	45	27	1	71	
ML2-500MH	.8	15	.8	13	18	7	53	34		7 64	
ML2-750MW	.8	11	.8	9	17	6	30	30	(	5 52	
HL2-1000HH	1.3	16	.8	7	24	6	20	27		5 58	
ML4-000	1.2	13	2.0	15	29	6	54	36		7 99	
ML4-250	.6	12	.6	5	12	6	17	28	1	5 41	
ML4-500	1.0	20	1.1	10	21	8	35	38		8 60	
ML4-750	.8	15	1.0	10	27	6	46	40	!	5 59	
ML4-1000	1.3	13	.4	6	23	3	14	19		3 46	
L2L1-000	1.2	24	.8	17	26	. 9	38	44		9 89	
L2L1-250	1.2	18	1.1	17	39	9	92	41		9 110	
L2L1-500	1.2	19	1.1	13	19	7	63	37		8 77	
L2L1-750	1.2	15	1.6	14	29	7	82	43	1	8 61	
L2L1-1000	1.0	11	.2	4	19	3	21	14		3 27	
L2L2-000	1.1	19	1.1	10	27	10	33	43		9 74	
L2L2-250	.8	12	1.0	9	20	6	36	34	1	5 49	
L2L2-500	1.1	19	1.6	15	23	9	111	34		8 78	
L2L2-750	1.0	15	1.2	12	27	6	41	<b>25</b>		6 51	
L2L2-1000	1.2	19	.6	20	35	8	70	51		8 76	



## MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

#### **ANALYTICAL REPORT**

Project	6			Date of report	July 31/85.
					July 29/85.
Samples s	ubmitted by:				
Company:		R.Trifa	ux		······ <del>·</del>
Report- on	<b>:</b>	· · · · · · · · · · · · · · · · · · ·	25 soils		Geochem sample
		x			Assay sample
):		**		The state of the s	
: Copies ser			•		
·	1	R. Trifau	x, Coquitlar	n, B.C.	<u>,                                     </u>
	2				<u>.</u>
	3				
Samples:	Sieved to n	nesh <b>-80</b>		Ground to mesh	
Prepared	samples	stored 🕱	discarded [		
	rejects	stored [	discarded 🗔	;	
Methods	of analysis:	10 el	ement ICP .		
Remarks:	ML3	Series was	missing.		

SPECIALISTS IN MINERAL ENVIRONMENTS

### ASSESSMENT WORKS 1984 - 1985

## MARGO CLAIM & LOUISE-2 CLAIM SUMMARY OF COSTS ON THE CLAIMS FOR THE PERIOD

#### CARIBOO MINING DIVISION

ITEM	DESCRIPTION		TOTAL COSTS
1.	Summary of R. Trifaux & A. Fardal expenses Geochem survey - samples taking etc.		-
	R. Trifaux - time cost - mileage cost - meals cost	\$ 420.00 105.00 35.00	\$ 560.00
	A. Fardal - time cost - mileage cost	\$ 182.00 67.50	249.50
	Petty cash disbursements (Fardal)		<u>50.00</u> \$ 859.50
2.	Min-en Laboratories Ltd. Vancouver. Invoice #0006B - dated August 6-85 Report No. 5-416 Project No. 6		. \$ 171.25
3.	Miscellaneous Expenses - Lodging 100 Mile House 99 Mile Motel - invoice #5502485 99 Mile Motel - invoice #5502487 99 Mile Motel - invoice #5010319	\$ 29.96 29.96 395.90	\$ 455.82
4.	Miscellaneous Expenses - Meals Red Coach, 100 Mile House - invoice #5649521 Northland, Cache Creek - invoice #97953 Pancake House, Quesnel - invoice #5088405 Pancake House, Quesnel - invoice #5088412 Pancake House, Quesnel - invoice #5088422 Pancake House, Quesnel - invoice #060785 Husky Cafe, Williams Lake - invoice #2658323 Red Coach, 100 Mile House - invoice #5648596 Sandman Inn, Cache Creek - invoice #5452258	\$ 8.20 3.10 9.70 18.96 9.70 15.35 7.60 7.10 11.30	\$ 91.01
5•	Miscellaneous Expenses: Elden Exploration invoice #84403 less 10% reduction for use altimeter Samples Louise & Margo claims from Quesnel - Greyhound receipt #1000469  - " " June 12, 1985  - " " #5010457  - " " #1000574 Willis Harper invoice - paint. flagging Fischer Scientific invoice #040888 - sieve 200 (talc sieving)	\$ 57.30 8.20 6.75 3.50 8.20 17.05	<b>\$</b> 180 <b>.</b> 01

#### SUMMARY OF COSTS (CONTINUED)

ITEM	DESCRIPTION	TOTAL COSTS
6.	Recording work fees on claims: Mining receipts - Quesnel #235773E \$ 100.00 #5221 10.00	•
	Andy claims #235774E (45.00) #6598	
	Photocopies and tax 6.00	\$ 116.00
7•	Phone expenses, phone 747-2548 Quesnel \$ 69.56 Photocopies & tax 3.00 Invoice Willis Harper & Co. #51414 2.98 Quesnel Stationery 3.19 Willis Harper invoice #48491 12.47 West Fraser Store, Quesnel #170560 16.64 Willis Harper invoice #1479 chisel 14.64	<b>\$</b> 122.48
8.	Draft time ) Photocopies ) Maps ) 40 hours x \$15.00 Typing ) Sketches ) Interpretations of lab results )	\$ 600.00
	Trip to lab - post office Cost of sending reports Stationery - miscellaneous	\$ 187,47
	Total Costs	\$2,783.54

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# ASSESSMENT WORKS ON MARGO & LOUISE-2 CLAIMS 1984 - 1985

#### Work Done By Rene Trifaux

DATE	BRIEF DESCRIPTION	HOURS	KMS.	NO. OF MEALS
May 31-85	Analyses of work to be don Analyses of new outcrops of Margo & Louise claims		120	2
June 1-85	Analyses of work to be done with A. Fardal, looking for outcrops on Margo claims, trenching on mica schists.		120	2
June 4-85	Worked on the geochemical survey in this area. Training A. Fardal for location of sample pits, lines, marking of lines and pits, deprof pits. Recording samples collecting samples, marking the bags and flagging.	k <del>-</del> ths s,	60	1
	Trenching on mica schists.	2		
June 6-85			120	2
	Showing works to be done of claims. Trenching of mica schists.			
	Total	28	420	7
	@	\$15.00	25¢	\$5.00
		\$420.00	\$105.00	\$35.00
	Total Costs - hours - kms - meals		420.00 105.00 35.00 560.00	

# A. FARDAL - COSTS OF WORKS DONE ON MARGO CLAIMS ASSESSMENT WORKS 1984 - 1985 CARIBOO MINING DIVISION

DATE	BRIEF DESCRIPTION	HOUR	s MILES	AMOUNT			
June 4-85	Initiation of A. Fardal to Ge surveys on Margo claims. Lin pits location, measurements, ecting samples, recording on sketch of location.	es, coll-	84				
June 5-85	Same as above, plus initiation to staking.	on 7	92				
June 22-85	Geochem survey	10	94				
June 22-85	Geochem survey	2					
		26	270				
		@ \$7.00	@ <b>\$ .</b> 25				
		\$182.00	\$67.50	\$249.50			
Petty Cash Di	Petty Cash Disbursements by Fardal:						
Ribbons Stakes Spray I Telepho Samples Miscell	50.00						
итесеті	-aneous	,		\$299.50			

#### STATEMENT OF QUALIFICATIONS

#### EDUCATION

- 1. Chatelineau School of Mines, Belgium. 2 years 1 diploma
- 2. Tamines School of Mines, Belgium. 2 years 1 diploma
- Charleroi University, Belgium. 1 year mining, geology, technologies, reports. 1 certificate

The copies of diplomas and certificates have been presented to the Cariboo Mining District with my 1977-78 statement of works.

- 4. I passed successfully the test of rock and mineral identifications with a mining engineer from the Department of
  Mines in 1978 in Vancouver.
- 5. Two years cost accounting with McMaster University in Ontario.

#### EXPERIENCE

I have extensive experience in exploration and mining from Zaire (previously Belgian Congo) and from Ruanda - Burundi in central Africa, as follows:

- La Compagnie des Grands Lacs Africains, Brussels, Belgium.
   (cassiterite, gold mines and explorations)
- La Compagnie Mirudi, affiliated company of the Grand Lacs Company, Brussels, Belgium. (cassiterites, columbo - tantalite, gold ores)
- 3. Mr. R. Henrion, Explorations Minieres in Central Africa,
  Busoro, Ruanda. (cassiterites, wolframites, beryllium ores)

4. DeBorchgrave Mines d'etain, Kigali, Ruanda. (cassiterites columbites).

I was successful in exploring the granitic massifs of central Ruanda - Burundi. I described my methods of exploration in the 1977-78 report related to the distances between lines and pits, flying prospecting and the systematic one with calculations of zones of influence in the placers. I did the topographical maps, location of deposits and calculation of reserves. I found numerous reserve extensions in the mines I exploited in the terraces (benches) for the companies with which I was associated. I opened several mines in placer (gold, tin, columbite). I worked mines in open pit and under ground for tin, wolframite, tantalite, columbite, gold and beryl.

I started prospecting in British Columbia in 1959 for gold in placer in the Cariboo Mining District for a company. Today I have claims containing precious metals - lead, zinc, molybdenum and industrial minerals. I do my geochemical surveys in silts in the creeks, in soil and rocks, for my reconnaissance prospecting and for my systematic works, and orient my works from the results.

I am a member of the Canadian Institute of Mining and
Metallurgy (CIM), Chamber of Mines of B.C., buy my literature
(geological and other) from the Department of Mines of B.C. and
Ottawa, from the Geological Survey of Canada. I have subscriptions
to the Engineering Mining Journal, Cim Bulletin, Chemical Week and

Northern Miner. I keep informed with reports from the mining organizations of the government.

I consult with professionals and use the latest equipment available to prospectors today (geiger counters, mineral light, stereoscope, altimeters, topolites etc.). I learned useful information about the industrial minerals with the Ontario Research Foundation, related to talc, graphite, calcium carbonate and others. I am engaged in the research of silica, serpentines, mica formations, zirconium and other industrial minerals.

