ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.03.25

ASSESSMENT REPORT 17412

MINING DIVISION: New Westminster

PROPERTY:

Marg-Sum

LOCATION:

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10 5436966 571805 MTU

092G01E NTS

CLAIM(S): OPERATOR(S):

Marg-Sum 1-3 Trifaux, R.

AUTHOR(S):

Trifaux, R.

REPORT YEAR: 1988, 34 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Antimony, Mercury, Bismuth, Copper, Lead, Zinc, Molybdenum/M

GEOLOGICAL

SUMMARY:

Most of the claims are covered by overburden. Bedrocks include sedimentary, volcanic, granitic and metamorphic rocks of upper Paleo-

zoic and Mesozoic age.

WORK

DONE:

Prospecting

PROS

SAMP 16 sample(s); AU, AG, CU, PB, ZN, SB, HG, MO

RELATED

REPORTS:

11133,14755



Province of British Cokambia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/BURVEY(5)	TOTAL COST
Geological - Geochemical	\$1,950.00
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ATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED March 2	23. 1988 YEAR OF WORK 1987
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OMMODITIES PRESENT Au, Pb, Zn, Cu, Mo, Ag, Sb, Bi and	Hg.
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R. Trifaux (2) (will be transferred to Trifco Minerals Ltd. lat	er
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MARG-SUM CLAIMS ASSESSMENT REPORT 1987 - 1988

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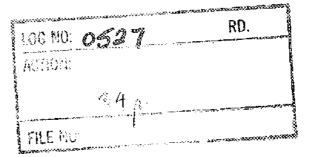
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- Map # 1 Claims location. Map No 92H/4 Chilliwack Yarrow.
- Map # 2 Map 1485 Mission, B.C. Topography of the Vedder, -- Mountain. Megible
- Map # 3 Claims location showing relation to Cultus Lake and other claims. Scale 1/50,000.
- Sketch # 1 Marg-Sum claims. Local geology 1985 1986. Scale 10cm/457m. By R. Trifaux.
- Sketch # 2 Gechem survey. Samples location (rocks & hardpan) / Scale 10 cm/250m. By R. Trifaux.
- Sketch # 3 Geochem survey. Soils locations.

 GEOLOG Scale 10 cm/250m. By R. Trifaux.

ASSESSMENT REPORT





1:0 SUMMARY

Several geochemical samplings and analyses have been done on the claims and some results have been quite encouraging. In 1985 - 1986, the geochemical survey was executed on the west side of the Marg-Sum claims and the results were positive as follows:

Pb - 73% of the values were above threshold

Cd - the presence of Cadmium was very high

Ag — the presence of Silver with 75% of the samples above .9 threshold has been observed.

The boulders of the Hatchery Creek contain Ag, Cd, Pb, Zn, Cu plus 1% T102. The majority of the values came from rock samples. The above survey confirmed the values found in the survey of 1983.

All of the above elements have been encountered in soils and rocks, but we didn't circumvene as yet the extent and the exact presence of halos. We did a geochemical survey this year to the east of the claims to know a little more of the immediate environment of the areas on the claims and in their surroundings. Overburden is an obstacle to the works and some extensive trenching has to be done.

2:0 INTRODUCTION

2:1 Terms of Reference

The report that we are presenting is based on several days exploration in the eastern parts of the claims and the surroundings.

Several boulders with sulphides have been observed on the road which departs from the Forestry Road situated at the bottom of the mountain.

2:2 Property Description

The general area is situated 100 kms east of the city of Coquitlam. One takes the Trans-Canada Highway from the Port Mann Bridge going to Abbotsford. From Abbotsford one drives to the birfurcation of the main highway with the Yarrow road to the hamlet of Yarrow. After crossing Yarrow from west to east, one continues the trip for 6 km on the Cultus Lake Road up to the last light and turning right, drives up to the Forestry Road going to the top of the Vedder mountain.

At the first road going to the right of the Forestry Road, one drives for 1 1/2 kms and then reaches a logging area where logs were kept previously. The area is situated on the left bank of the Hatchery Creek.

2:2 Property Description (continued)

See Map No 92GE/SE Langley B.C. Scale 1/25:000 or 1 cm/25 km

Claims Data

Claîm	Records No.	No. of Units	Year of Expiry
Marg-Sum # 1	1435	1	1988
Marg-Sum # 2	1439	1	1989
Marg-Sum # 3	1440	1	1989

2:3 Access and Physiography

The claims No 1 and No 2 are situated on a ridge which starts near the auto wrecker situated on the Cultus Lake Road and going west with approximately the same elevation as top. On the north slope, habitations are seen from the B.C. Hydro Railway to the auto wrecker shop. The slopes have been logged of the big cedars and a second growth is flourishing on them. The only creek in the area is the Hatchery Creek which has a constant debit of water, but the debit is low in the summer. The overburden is heavy on this ridge. The elevation from the road is 255' and the top reaches in places to 650'.

The valley created by the Hatchery Creek has eroded the formations and has created alluviums on the east of the claims. This is where the present geochemical survey took place.

2:4 Exploration History

In 1982 - 1983 we did some reconnaissance in the area and found anomalous values in 2n, Cu, Pb and Ag. We staked three claims in 1982. We searched for sphalerite and galena without success, the outcrops being very poor and sporadic.

In 1985 - 1986 we concentrated our attention to the west of the same claims and took 30 samples or 280 analyses. We found the results encouraging with anomalous readings in Ag, Pb, Cu, Cd and Zn in soils, silts and rocks. There was a continuity in the values and certain metals were remarkable by their presence. In 1985 - 1986 we found more sulphides, pyrites and some arsenopyrites and sulfosalts.

Boulders found in the Hatchery Creek were broken to identify the nature of the rocks. We discovered greenish dark rocks with inclusions of sphalerite. Arsenic in this same type of rock.

Good reading of Cu, high values of Pb. Au was low.

Black schists - Ag 1.2 High reading in Pb.

Grey green formations with good values of Ag, As, Bi, Cd, Cu, Ni, Pb and Sb but no presence of sulfide with the lens.

Greenstons with good values in Ag, Bi, Cd, Pb and Zn. As and Bi are always associated in the sample analyses. Cu is anomalous in a few places. Iron is high in all samples. Mn is also present in all of them. Pb is anomalous in most of the samples.

2:4 Exploration History (continued)

Soils - 5 samples - high in Ag, Bi, Cd, Pb and Zn.

Silts - 3 samples - high in Ag, Bi, Cd, Pb and Zn.

2:5 Current Works

Sixteen samples were taken on Claim No 2, eleven in soils and hardpan and five in rocks. The hardpan has been developed by the Hatchery Creek - also some deposits of gravel exist on the south side of the road. The samples were taken, not with a constant distance between the pits, but at random where the best showings occurred. See sketch No 1.

Also the rocks samples have been taken by breaking boulders on the sites. We spent 42 1/2 hours in the areas, for the geochemistry and tried to find outcrops and boulders on the south side of the claims to relate the new results of the surveys with the previous ones.

- 3:0 GEOLOGY
- 3:1 Regional Geology

All the formations are situated in the Pre-tertiary (Pt) on map 1485A Mission, British Columbia, except for sediments which are in the Quaternary. The Mesozoic and Upper Paeozoic bed rock includes sedimentary, volcanic, granitic and metamorphic rocks, mantled in 90% of the area by deposits 1 to 5 m thick of glacial, colluvial and eolian sediments.

All the steep slopes are subject to landslides. Arenaceous formations have been detected in several places on the mountain (arenites) with veinlets of quartz. They are heavy with black materials.

- 3:0 GEOLOGY
- 3:2 Local Geology

To the west of the claims, a body of greenstones has been discovered at the bottom of the ridge, and one at the top.

Calcite is included in the rocks (fluorescent in the mineral light) with a 42° north-east trend. It is difficult to emphasize the nature of the rocks as a greenstone or a limestone. The rocks are fine grained and contain patches of chlorite and manganese and they are heavy. The thickness of the body varies.

On the road to Yarrow we found two more outcrops of the same types of rock which seems to be a continuity of the same formation.

On the left bank of the Hatchery Creek, near the culvert, dark quartzites with white veinlets of sugary quartz, looking as bedded with a sedimentary aspect, with sulfides following the white veins of quartz, plus galena and some sphalerite. These elements have been discovered in a big boulder in the creek itself. The boulder is not rounded, it is close to the rocks in place.

We travelled again on the claims this time, on the east of the claims to try to detect more outcrops but we were unsuccessful to find more. We found quite a number of boulders where the geochemical survey was done. On the side of the claims less granitic rocks have been seen, no micas and no pegmatites. The floats that we found are close to the Forestry Road going up on the mountain.

4:0 GEOCHEMISTRY

4:1 Samples Location

Hardpan - samples taken between 0 + 50 m to 0 + 430 m, plus gravels and soils.

The hardpan contains remnants of gravels and extend on quite an area — we believe at this time it has been formed by the Hatchery Creek in the past. It is the only creek in the valley of any importance except for the small ones which are feeding it.

The presence of heavy gravels is obvious in the valley and the alluviums are seen at the lower levels of the creek.

Sketch No. 1 - locations of hard pan.

Sketch No. 2 - Itineraries followed east of the claims and surroundings.

4:0 GEOCHEMISTRY

4:2 Nature of Samples

Rocks, Hard-Pan, Soils - Road and Creek to Marg-Sum Claims

- 3
- 0+00V Rock, heavy, dark blue. Heavy sulfide oxidations. 5m easy to break. (Sulfides inside).
- 0+10V Rock dark green with sulfides, deep oxidations. Easy to break. (Sulfides inside).
- 0+50V Grey dark rock fine grained, compact, hard to break.

 Quartzitic.
- 0+100 Soils gummy, tan from cut in road. Oxidations, limonitic. 26 cms depth. Horizon B.
- 0+200 Soils gummy brown, deep brown, from cut in bank. 30 cms. depth. Some roots. Horizon B.
- 0+265 Soils tan gummy from cut in bank. 26 cms depth.

 Horizon B.
- 0+280 Soils and gravels. Dark grey color from cut in the bank.

 25 cms deep. Horizon B. Roots on top.
- 0+300 Soils and gravels. Gummy tan from cut in the bank. 27 cms. deep. Horizon B. Roots on top.
- 0+313 Soils and gravels. Gummy tan to brown. From cut in the bank. 29 cms deep.
- 0+335 Same as 0+313. Rock dark green with some sulfides.

 Small plateau with same type of soils.
- 0+380 Same as 0+335.

4:2 Nature of Samples (continued)

Rocks, Hardpan, Soils - Road and Creek to Marg-Sum Claims

- 0+395 Rock with sulfides light green sulfides look close to pyrrhotites. No oxidations. Sulfides arranged as small veinlets.
- 0+410 Soils with gravel. Dark brown gummy from cut in the bank. 30 cm. deep. B. Horizon.
- 0+430 Soils with gravel. Dark brown gummy from cut in the bank. The face here is higher - 30 cm. B. Horizon.

4:3 Geochem Reports on Analyses

SAMPLE	AU	AG	AS	CU	MO	PB	SB	ZN	HG	REMARKS
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R2CM 04/88	(5	1.2	17	25	4	⟨5	< 5	5	⟨5	1 high in Mo
R2CU 05/88	10	(0.5	(5	39	2	8	⟨5	1	⟨5	l high in Ag l high in Au
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0+265	⟨5	⟨0.5	11	92	1	₹5	< 5	54	35	l high in Cu
0+280	⟨5	<0.5	13	66	1	5	⟨5	49	15	
0+300	5	<0.5	17	53	1	5	⟨5	33	15	
0+313	20	<0.5	11	56	1	5	⟨5	58	30	1 high in Au
0+335	⟨5	(0.5	16	60	1	< 5	<5	36	10	
0+380	5	(0.5	17	71	1	⟨5	⟨5	35	15	
0+395	(5	<0.5	13	44	1	5	⟨5	56	35	
0+410	⟨5	<0.5	11	114	1	5	< 5	39	40	l high in Cu
0+430	⟨5	<0.5	17	65	1	5	(5	40	20	

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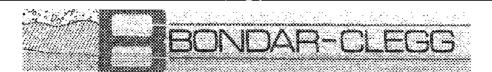
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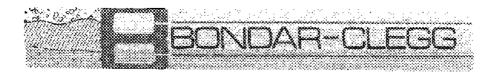
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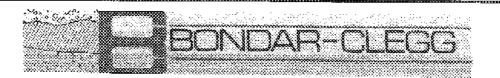
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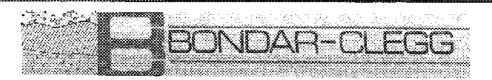
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4:4 Comments on Results

The mineral abundance in the last survey is not impressive. Even by taking into consideration the background in soils (ppm) established by Dr. A. Sutherland Brown, for the intermontane belt in the cordelliera, the values found east of the Marg-Sum Claims are poor as follows:

Cu	31.5	₽b	19.3
Zn	94.2	Ag	0.8
Mo	2.8		

Even by considering the background to be expected from the distribution of lithologies, the results from the present geochemical survey are low.

We have to find out if the values in metals which were high in the west of the claims, are fading away going east on the claims. We believe that this reasoning is accurate and that the values of metals diminish going away from the huge anticline found in the west. More tests will be done to confirm such hypothesis.

5:0 COST STATEMENTS

5:1 Cost Summary

R. Trifaux time	\$	637.50
mileage		300.00
meals		75.00
Cleaning, rock samples, tests		55.75
Bondar-Clegg laboratories - invoice #V45112		341.75
Recording of works - receipt #748733H		90.00
Report, covers, stationery, trip to lab, stores,		
post office, stakes, bags, ribbons and typist.	_	450.00
	\$1	,950.00
P.A.C. Account		nil

NOTE: A discrepancy between the statement of work — cash payment and this summary exists on this report. During the calculation of statement of work, the costs of the report have been omitted and because of this, the P.A.C. debit has been asked for. It does not apply and please correct the P.A.C. account accordingly. The total is still \$1,950.00.

5:2 Miscellaneous Costs

DATE	BRIEF DESCRIPTION	TIME	KMS	MEALS
Geochemical sum No. 3. Researd Cu, Mo, Ag, Hg samples contain on this part o	rture 7 am - return 3:30 pm rvey on the east side of claim ch for minerals Zn, Pb, As, Sh and Au. Several banded rock ning sulfides have been spotte f the claims. Decision was mad soils in area.	ed	200	2
More samples o encountered ear 02-03-88. Loca with ribbons.	rture 6 am - return 3 pm f different types of rocks st of the area found on ation of samples on the terrac From 0+50 to 0+430. ard-pan with gravel.	9.0 :e	200	2
Digging in the	rture 7 am - return 3 pm. hard-pan in different und heavy sediments, gravel. mples.	8.0	200	2
Digging for said in hard-pan.	rture 7 am - return 4 pm. mples (12 soils) in soils Measuremens between samples - rocks worth analyzing.	9.0	200	2
Collecting rock	rture 8 am - return 4 pm. k samples - locations. with sulfides. Dark rolled	8.0	200	2
•		42.5	1000	10
Recap of Expens	ses:			
Time	e 42.5 hours x 15.00	\$ 637	.50	
Mile	eage 1,000 kms $x = 0.30$	300	.00	
Meal	ls 10 x 7.50	75	.00	
		\$1,012	. 50	

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312.00



Bondar-Clegg & Company Ltd. 5420 Canotek Road Ottawa, Ontario K1J 8X5 (613) 749-2220 Telex 053-3233

Involce : V045112. 5-APR-88 Date

at \$19.50 \$

Report No: V88-01085.0

Project : M-S-1988 Reference: P.O. #2

312.00

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TRIFCO MINERALS LTD. 308 - 751 CLARKE ROAD COQUITLAM, B.C. V3J 3Y3

> is Analyses of "GOLD + 8" GROUP Silver Arsenic Copper Molybdenum Lead Antimony Zinc Gold 3D grams

> > Mercury

Sample Preparation

ii Samples of DRY, SIEVE -80 at \$ 1.00 \$ 5 Samples of CRUSH, PULVERIZE -150 at \$ 3.75 \$ 11.00 18.75

29,75 Subtotal

Invoice Total:

341.75 Cdn

29.75

Province of British Columbia RECEIPT	748733 H
ON ACQUINT OF: LECONDAIL 341'S WORK !	Men al the
ME SUM GROUP RE \$ 1435 1439	a 1440
FROM THEOD KINESAS LIB	HALLAS ST
MOUTHALLE BY 343	VAL COMMENT
New Worth - A	SIGNING OFFICER

6:0 STATEMENT OF QUALIFICATIONS

EDUCATION

- 1. Tamines School of Mines, Belgium. 2 years diploma
- 2. Chatelineau School of Mines, Belgium. 2 years diploma
- 3. University of Charleroi, Hainaut, Belgium. 1 year mining, geology, mining technologies, reports. 1 certificate
 The copies of diplomas and certificates have been presented to the Cariboo Mining Division with my 1977-1978 statement of works in Quesnel, Cariboo.
- 4. I passed successfully the test of rocks and mineral identification with a mining engineer from the Department of Mines in
 1978, in Robson Square, Vancouver.
- 5. Cost accounting (2 years) 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.

6:0 STATEMENT OF QUALIFICATIONS (continued)

- "La Compagnie Des Grands Lacs Africains" Brussels from Belgium. Minerals mined were cassiterite, columbite, gold and increase of reserves by exploration of benches in the creeks.
- 2. "La Compagnie Mirudi" affiliated company of the Grands Lacs Africains Company, Brussels, Belgium. (Cassiterite, Colombo tantalites, gold ores). Localities: Mokoro, Musumba, Mutwe-Niamdo.
- Mr. R. Henrion, Explorations Minieres in Central Africa, Busoro, Ruanda on Kivu Lake. (Cassiterites, Wolframites, Beryllium ores)
- DeBorchgrave Mines d'Etain, Kigali, Ruanda. Open pit, underground mines of cassiterite, columbites.

I was successful in exploring the granitic massif of Central Ruanda-Burundi. I described my method of exploration in the 1977-1978 report (assessment works) related to the distances between lines and pits, flying prospecting, and systematic with calculations of zones of influence and reserves in placers. opened several mines in gold, cassiterite, columbite, plotting and establishing the hydraulic works, worked in open pit and underground. I established topographical maps showing the locations of my discoveries.

6:0 STATEMENT OF QUALIFICATIONS (continued)

I started prospecting in British Columbia in 1959 for gold placer in the Cariboo Mining Division for a company. Today I have claims containing precious metals, base metals and industrial minerals. I do my geochemical surveys in silt, soils and rocks for my reconnaissance and systematic prospecting and orient my works according to the results of such surveys.

Beneficiation studies of some industrial mineral products have been done by the Ontario Research Foundation.

I am a member of the Canadian Institute of Mining and Metallurgy (CIM) and the Chamber of Mines of British Columbia. I buy my literature from the Department of Mines of B.C. and Ottawa and from the Geological Survey of Canada, in Vancouver. I have subscriptions to the Engineering and Mining Journal, CIM Bulletin, Chemical Week and Northern Miner. I keep informed with different publications from private and government organizations.

I consult with professionals and use the most up to date prospecting equipment available to prospectors (topolite, geiger counter, mineral light, stereoscope, small microscope, altimeters etc.)

6:0 STATEMENT OF QUALIFICATIONS (continued)

I learned very useful informations on the industrial minerals from the Ontario Research Foundation, related to talc, graphlite, calcium carbonate, wollastonite etc. I am engaged in the research of miscellaneous industrial minerals which will be needed in the following years and the following century.

