

Table of Contents

Location Map (1:50,000) scale	Map 1	Page <u>2</u>
Introduction		Page <u>3</u>
Technical Data and Interpretations		Page <u>3, 4, 5</u>
Recommendations		Page <u>5</u>
Reconnaissance Map (1:10,000 scale)		Page <u>7a, 7b</u>
Itemized Cost Statement		Page <u>6</u>
Author Qualifications		Page <u>8</u>
Analytical Certificates		Appendix <u>1, 2</u>

10,177

Reconnaissance Geological Geochemical Evaluation.

Specific claims involved -- Plate 1 to 4

Mining Division -- Cariboo

Specific NTS Location -- 93 A/11/E

Longitude -- 121° 6'

Latitude -- 52° 36'

Owner of claims -- Roy Wellburn

Operator of claims -- Roy Wellburn

Author of report -- J. William Morton B(sc) Geology M(sc)

Date Submitted -- February 23, 1982

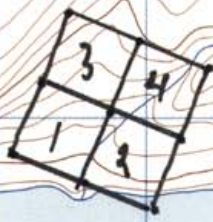


Plate 1 to 4 claims  
Kilometer  
Scale 1:50,000

Creek

Toose Lake

Klinne Lake

Shoals Bay

Haggens Point

Klinne Ck

Spruce Ck

Moose Ck

Bean Point

Beehive Island

N O R T H

E S T

L A K E

24 10' 25 26 27 28 29 05' 31 32 33 634

24 25 26 27 28 29 30 31 32 33

31  
30  
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22  
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20  
19

4500

4500

4500

3500

3865

3159

3093

3100

3700

3000

3000

2386±

2868

2868

2868

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2868

2868

2868

2868

2868

2868

2868

2868

2868

2868

2900

3000

11879

12198

12423

12233

12233

12233

12233

12233

12233

12233

4303

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## Reconnaissance Geological, Geochemical Evaluation

### Introduction

#### (i) General Geographic and Physiographic Position.

The four two post claims comprising the Plate Claim group are located adjacent to the lower reaches of Tasse Creek near its confluence with Quesnel Lake. Tasse Creek flows into Quesnel Lake on its north shore immediately west of the north arm of the lake. Physiographically this region occurs within the Quesnel Highlands which itself forms the western edge of the Cariboo Mountains. The claims are accessible by water from Quesnel Lake or by a new logging road which passes close to the northern boundary of the claim group.

#### (ii) Property Definition

The Plate claims occur within a geological province known as the Omineca Crystalline Belt. In the vicinity of the claims metamorphosed paleozoic sediments of the Cariboo group are in contact with a gneissic biotite granodiorite of unknown age.

Mineralization was first observed in rock outcropping in Tasse Creek approximately 25 years ago. A sample of mineralized rock was, at that time, sent to Aldridge and Company, Vancouver, and given a semi-quantitative multi-element analyses. Results indicated appreciable concentrations of copper, silver and a rare earth element. A major

mine feasibility study has been on going for several years at the Eaglet property approximately 5 miles to the east. The Eaglet property contains a fluorspan deposit. The Plate claims were staked in 1980 during an area flurry of activity arising from the 1980 rise in the price of gold.

Economic Potential

Potential exists within the claim for a mineralized quartz vein system containing silver, tungsten and possibly gold. Potential also exists for the presence of a mineralized scarn zone (Tungsten) caused by the mesozoic intrusion.

(iii) Summary of Work Done.

The property was visited on September 5 by J. William Morton, Geologist accompanied by Roy Wellburn and Bud Henderson.

- 1 one day was spent prospecting and observing outcrop occurring within Tasse Creek.
- 2 rock samples were selected and analysed for Cu, Mo, Ag, Au, and W.
- 3 silt samples were obtained from the creek and were analysed for Cu, Mo, Pb, Zn, Ag and W.

(iv) Work was confined to the Plate 1 & 2 Claims.

Technical Data and Interpretations

The mineralized showing consists of a quartz vein in metamorphosed paleozoic sediments of the Cariboo group. Samples TS-R-1 and TS-R-3 correspond to pyrite quartz veins

within quartz biotite gneiss while samples TS-R-2 and TS-R-4, correspond to the quartz biotite gneiss host rock. Sample TS- R-1, from the showing, yielded a geochemical value of 6.4 p.p.m. silver (0.15 oz./ Ton), while the adjacent quartz biotite gneiss ( TS-R-2) yielded a rock geochemical value of 11 p.p.m. Tungsten. A mesozoic felsic intrusion occurs to the immediate north and east of the claim group.

Silt samples from Tasse Creek indicate a tungsten anomaly within the Tasse Creek watershed.

#### Recommendations

1. Establishment of a 100 metre spaced grid on the claim group. ( Flagged and cut as required.)
2. Geochemical soil survey. (analyze for copper, silver, tungsten, gold.) on the exploration grid.
3. Completion of a very low frequency (V.L.F.) Electro-magnetic Survey on the exploration grid.

Itemized Cost Statement

Labour Costs

Morton 1 Field day Sept. 5 1981	150.00
Morton 1/2 day report writing	75.00
Wellburn 1 Field day Sept. 5, 1981	75.00
Henderson 1 Field day Sept. 5, 1981	<u>75.00</u>
Total labour	375.00

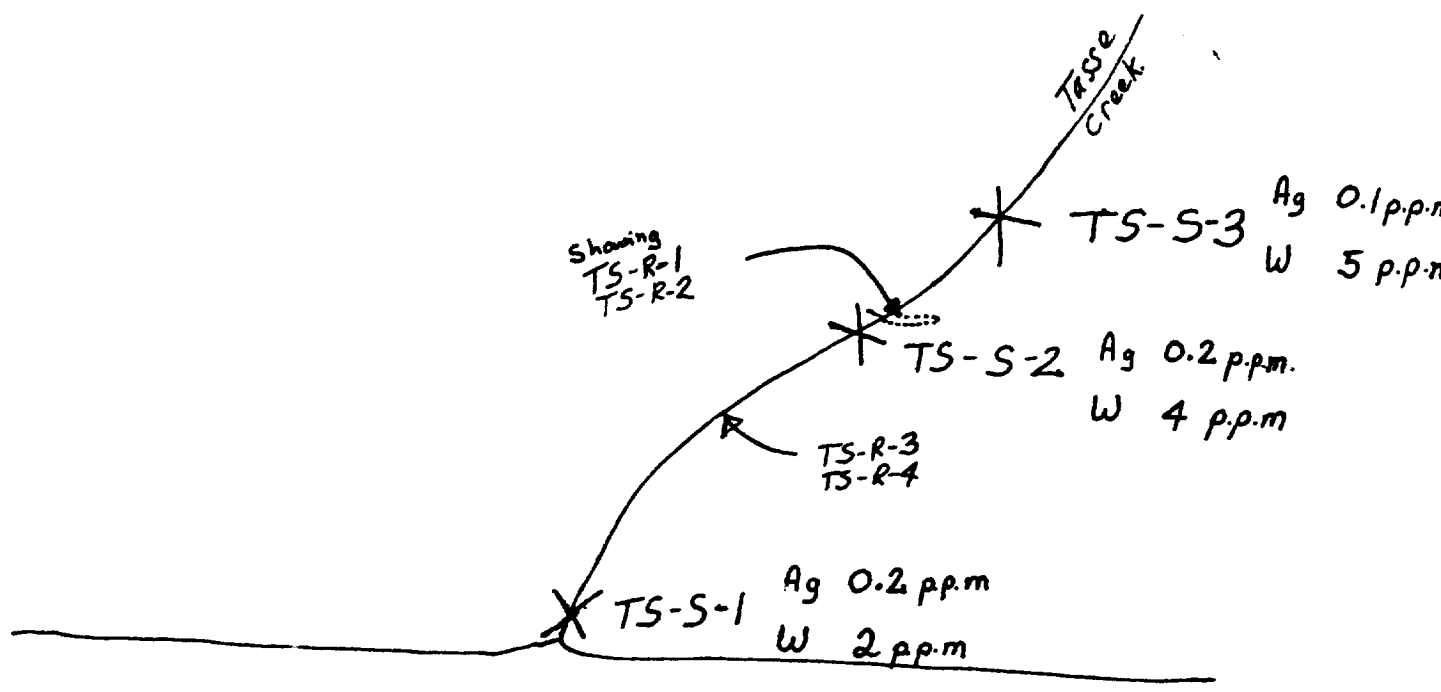
Analytical Costs

4 rock samples analyzed for Cu, Mo, Ag, Au and W. @ 12.50 each	50.00
3 silt samples analysed for Cu, Mo, Pb, Zn, Ag and W @ 8.50 each	<u>25.50</u>
Total Analytical	75.50

Transportation Costs

1 vehicle trip 4x4 WL to Quesnel Lake to W. L. 240 km @ 20¢ km	48.00
1 boat rental (all found) 1 day	<u>40.00</u>
Total transportation	88.00

Total Costs	538.00
Total Costs claimed	\$400.00



Reconnaissance Investigation Plate 1-4 cl

Approximate Location of  
Silt samples from Tasse Cree

R Rock sample  
X Silt sample.

0 200  
meters





AUTHOR'S QUALIFICATIONS - JAMES W. MORTON

B(sc) (Geology) Carlton University, Ottawa 1971  
M(sc) (Soils) University of British Columbia, Vancouver 1976  
Experience: Prospector's Assistant, Bralorne-Canfer Mines 1969  
Geological Assistant, Bralorne-Canfer Mines 1970  
Sub-party Chief, Giant Mascot Mines 1971  
Party Chief, Sumitomo Mines 1972  
Senior Assistant, Fox Geological Consultants 1973  
M (sc) in Mine Reclamation 1974-1975  
Range Management, B.C.F.S. Range Div. 1975-1979  
President, Western Horizontal Wells 1980-present  
Manager of Exploration, Alexis Joint Venture 1981-  
present



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 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL  
 BOX 4438  
 WILLIAMS LAKE, B.C.

CERT. # : A8114209-001-A  
 INVOICE # : I8114209  
 DATE : 20-OCT-81  
 P.O. # : NONE  
 A.J.V.

Sample description	Prep code	Cu ppm	Mo ppm	Zn ppm	Ag ppm	W ppm	Au ppm	FA+AA ppm
TS-R-1	205	23	1	--	6.4	1		5
TS-R-2	205	24	1	--	0.1	11		5
TS-R-3	205	46	1	--	0.1	1		5
TS-R-4	205	21	1	--	0.1	1		5
<del>2H-10</del>	<del>205</del>	<del>18</del>	<del>1</del>	<del>360</del>	<del>0.1</del>	<del>--</del>		<del>5</del>
<del>2F-2</del>	<del>205</del>	<del>11</del>	<del>2</del>	<del>19</del>	<del>0.1</del>	<del>1</del>		<del>5</del>
<del>2F-3</del>	<del>205</del>	<del>62</del>	<del>1</del>	<del>96</del>	<del>0.1</del>	<del>1</del>		<del>5</del>
MISTAKE RANCH	205	9	1	50	0.1	--		--
ZZ R-2	205	5	1	27	0.1	--		--
ZZ R-3	205	34	1	45	0.1	--		--

Certified by *Hart Bichler*



*Appendix 1*



# CHEMEX LABS LTD.

Appendix 21

212 BROOKSBANK AVE.  
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## CERTIFICATE OF ANALYSIS

TO : MORTON, MR. BILL  
BOX 4438  
WILLIAMS LAKE, B.C.

CERT. # : A8114208-001-A  
INVOICE # : I8114208  
DATE : 02-OCT-81  
P.O. # : NONE  
A.J.V.

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	W ppm
TS-S-1	203	5	1	1	12	0.2	2
TS-S-2	203	6	1	5	16	0.2	4
TS-S-3	203	5	1	3	13	0.1	5

Certified by ..... *J.F. McMan* .....



*Appendix 21*