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PROSPECTING REPORT
ON
THE FALLS GROUP
Falls 1 and Falls 2 Mineral Claims
Greenwood Mining Division, B.C.
NTS 82E/2E
for
Jack Zackodnik
By
E. W. Hayes

49°03' / 118°40'

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,953

SUMMARY

In November 1991, June and August 1992, reconnaissance prospecting, rock sampling were undertaken on the Falls 1 and Falls 2 mineral claims.

A total of eleven rock samples was taken and analyzed for Au and 30 element ICP. These samples gave values up to 27.6% copper, 227.8 ppm silver and 1060 ppb gold.

Prime targets for the property would be mineralized veins, shear zones and skarn deposits.

This report has been compiled to meet assessment requirements.

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~~STATEMENT OF WORK~~

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1.0 INTRODUCTION

This report describes the prospecting and subsequent results from samples taken on the Falls 1 and Falls 2 mineral claims.

2.0 PROPERTY LOCATION, ACCESS AND TITLE

The Falls 1 and Falls 2 mineral claims are located 2.5 kilometres southeast of Greenwood in southern British Columbia. The centre of the claims is at roughly 49°3' latitude, 118°39' longitude on NTS mapsheet 82E2. The claims are all located within the Greenwood Mining Division.

Access to the claims is excellent via secondary roads that leave Highway #3 at Greenwood. There are several logging roads that crosscut the claims.

Claim titles are as follows:

<u>Claim</u>	<u>Record No.</u>	<u>Units</u>	<u>Anniversary Date</u>
Falls #1	306124	15	Oct 24/94
Falls #2	306125	12	Oct 24/94



Falls Group

GENERAL LOCATION MAP

Project No.	By: <i>TH</i>
Scale: 1 : 8 000 000	Drawn: J. S.
Drawing No: 1	Date: <i>Oct 24/92</i>

3.0 HISTORY

Lode mineralization was recorded in the Greenwood area in 1884 and continued to about 1919. Production from the Phoenix mine in 1913 was more than a million tonnes of ore. There was a revival of mining operations in 1933 but it wasn't until 1957 and 1959 that large scale open-pit production from the Mother Lode and Phoenix orebodies took place. This lasted until 1976.

4.0 MINERAL DEPOSITS

The principal mines and mineral deposits of the area are listed in Table 1. These are mostly fissure-controlled deposits acting as simple vein systems or stockwork filling and replacement of wallrock along fractures or bedding planes. Some of the deposits are combinations of these forms, Table #2.

TABLE 1
ORE PRODUCTION FROM THE GREENWOOD CAMP

Deposit	Easting	Northing	Tonnes	Au Kg	Ag Kg	Cu Tonnes	Pb Tonnes	Zn Tonnes
Athelstan.....	858	357	33 216	180	210	7	—	—
Bay.....	793	382	447	17	14	—	—	—
City of Paris.....	825	296	1 934	27	151	60	373	—
Crescent.....	798	401	250	2	454	—	3	4
Dynamo.....	781	376	385	3	59	—	28	7
E Pluribus Unum.....	788	381	571	45	230	—	8	1
Elkhorn.....	776	408	179	5	456	—	8	2
Gold Drop.....	833	469	296	5	29	—	—	—
Gold Finch.....	784	382	300	18	88	—	8	—
Greyhound.....	759	400	221 200	16	349	597	—	—
Jewel.....	825	466	123 294	1 219	7 193	—	163	—
Keno.....	840	358	294	1	101	—	3	—
Last Chance.....	792	391	667	23	—	—	—	—
Marshall.....	829	408	194	15	18	1	2	—
Morrison.....	739	405	2 647	8	26	11	—	—
Mother Lode.....	747	412	4 245 875	5 391	21 406	34 915	—	—
No. 7.....	803	315	13 748	92	3 110	—	97	—
North Star.....	861	422	6 178	24	475	—	9	1
Oro Denoro.....	869	425	364 949	329	3 388	4 041	—	—
Phoenix.....	835	395	26 956 525	30 225	192 055	230 050	1	—
Providence.....	782	409	10 476	183	42 552	—	183	260
Republic.....	751	354	2 513	21	3 709	—	50	26
Sappho.....	753	293	102	—	6	14	—	—
Strathmore.....	783	399	198	5	533	—	4	—
Skylark.....	804	386	1 931	22	5 283	4	26	5
Winnipeg.....	852	367	55 804	402	1 207	1 245	—	—

TABLE 2
ANCILLARY INFORMATION ON DEPOSITS

Deposit	Mineral Inventory No. (082ESE)	Host Rocks	Mineralization	
			Main Type Host	Subsidiary
Athelstan.....	047	F. 6	listwanite	
Bay.....	005	E	satellitic veins	
City of Paris.....	041, 042	C, F	porphyry copper	rift vein
Crescent.....	012	A, F, 3, 5	rift vein ?	
Dynamo.....	008	E, F, 2	satellitic vein	
E Pluribus Unum.....	006	E, 2	satellitic vein	
Elkhorn.....	002	E, 2	satellitic vein	
Gold Drop.....	153	2	satellitic vein	
Gold Finch.....	004	E	satellitic vein	
Greyhound.....	050	O	skarn	
Jewel.....	055	E, 2(a)	satellitic vein	
Keno.....	192	6	satellitic vein	
Last Chance.....	216	F, 6	listwanite	
Marshall.....	031	B, O, 7, 8	skarn	
Morrison.....	052	O, 8	skarn	
Mother Lode.....	034	E, O, 8	skarn	
No. 7.....	043	C, F, 2(a)	rift vein	
North Star.....	152	2	satellitic vein	
Oro Denoro.....	062, 063	E, O, 8	skarn	
Phoenix.....	020, 021, 025, 026, 014, 013	O, 7, 8	skarn	
Providence.....	001	E, 2	satellitic vein	
Republic.....	174	F, 5	rift vein	
Sappho.....	147	H, 6	magmatic	
Strathmore.....	215	E	satellitic vein	
Skylark.....	011	5	satellitic vein	
Winnipeg.....	032, 033	A, F, 6	rift vein ?	listwanite ?

BROOKLYN GROUP

- 9 EHOLT FORMATION: MOSTLY MAROON AND GREEN VOLCANICLASTICS
- 8 LIMESTONE AND INTERCALATED ARGILLITE 0 SKARN
- 7 SHARPSTONE CONGLOMERATE, INTERCALATED SANDSTONE, AND SHALE

PERMO-CARBONIFEROUS

ATTWOOD GROUP

- 6 METAVOLCANICS, MOSTLY GREENSTONES (METAMORPHOSED BASALTS AND ANDESITES)
- 5 / 4 (5) BLACK SHALE, GREYWACKE; (4) LIMESTONE
- 3 SHARPSTONE CONGLOMERATE, CHERT BRECCIA, AND SANDSTONE

BASEMENT COMPLEX

KNOB HILL GROUP

- 2 / 2a (2) METACHERT AND MICA SCHIST, (2a) AMPHIBOLITIC SCHIST AND GNEISS;
- 1 (1) MARBLE

IGNEOUS INTRUSIONS

TERIARY

- H CORYELL: SYENITE, MONZONITE, AND SHONKINITE
- G DIORITE, MONZODIORITE, PULASKITE

CRETACEOUS

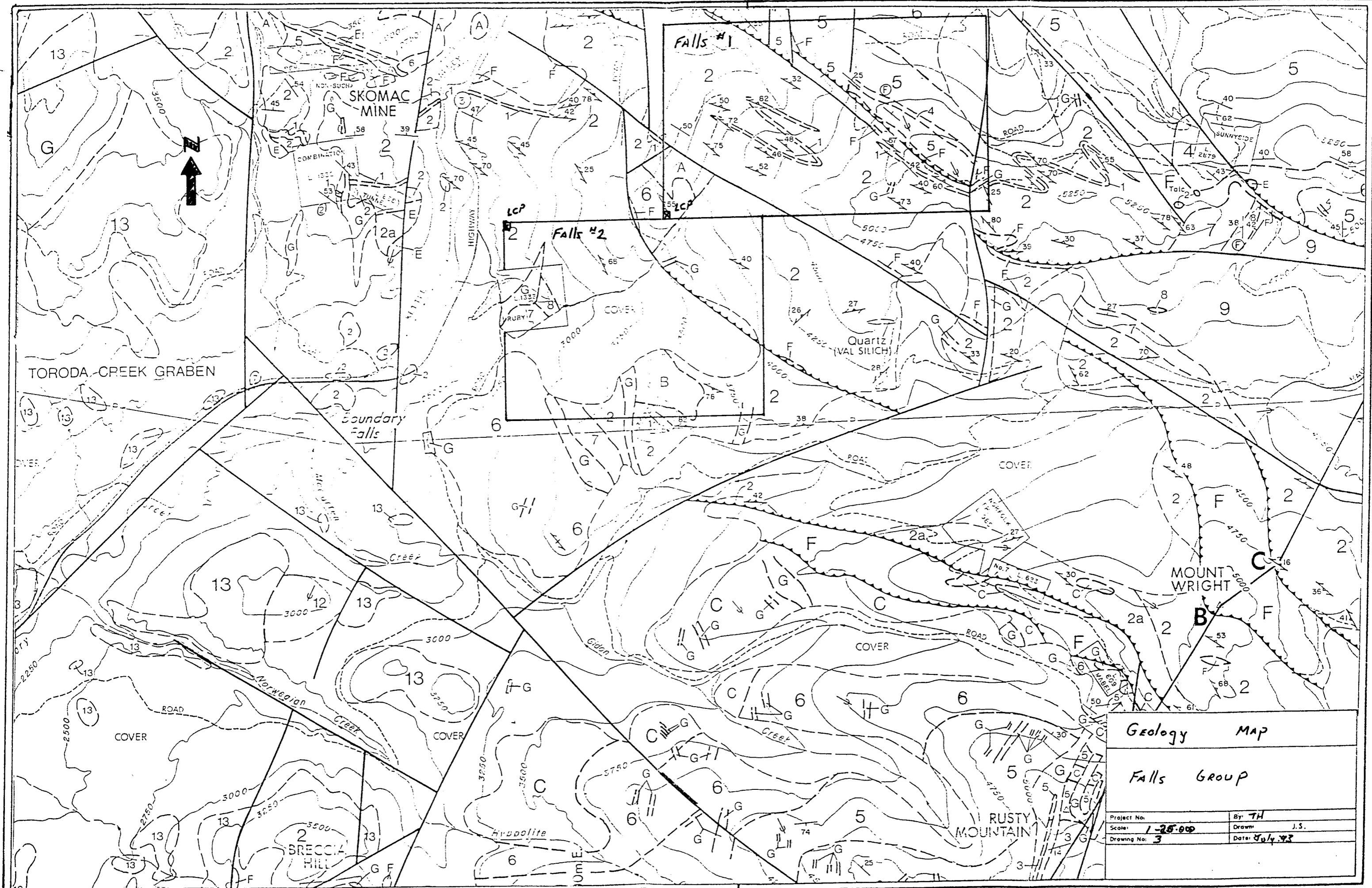
- F ULTRABASICS; SERPENTINE, LISTWANITE
- E GREENWOOD AND WALLACE CREEK GRANODIORITE
- D CYCLOPS GABBRO
- C LEXINGTON QUARTZ FELDSPAR PORPHYRY

TRIASSIC

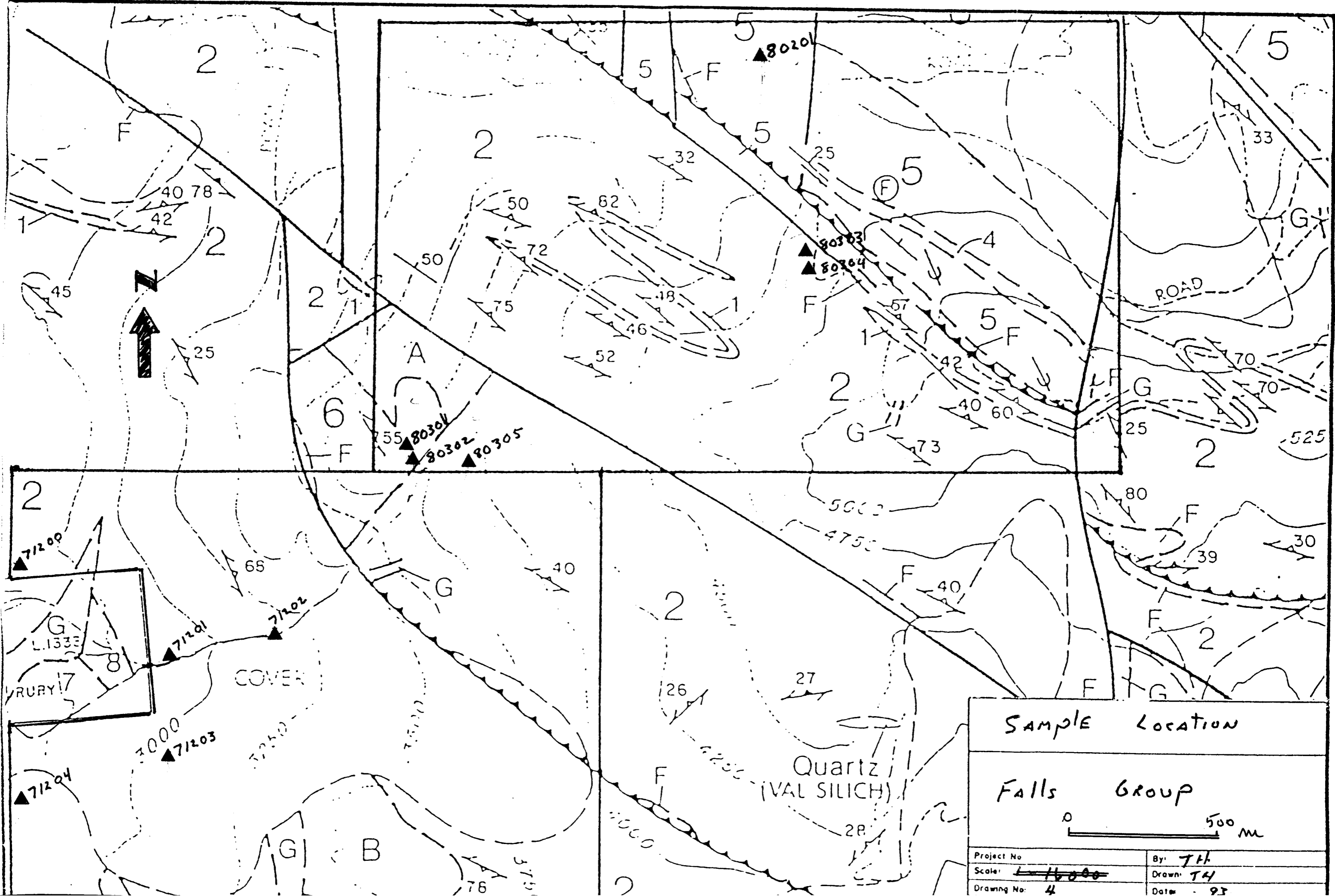
- B MICRODIORITE
- A OLD DIORITE

SYMBOLS

- GEOLOGICAL BOUNDARY
- BEDROCK EXPOSURE
- BEDDING, SCHISTOSITY
- FAULT, THRUST
- GLACIAL STRIAE
- FOSSIL LOCALITY
- LINE OF CROSS-SECTION!!
- TOPOGRAPHIC CONTOURS (INTERVAL, 250 FEET)
- POLE LINE, POWER LINE
- HIGHWAY, SECONDARY AND COUNTRY ROADS
- RAILWAY
- STREAM



Geology MAP	
Falls GROUP	
Project No.	By: TH
Scale: 1-25,000	Drawn: J.S.
Drawing No: 3	Date: July 93



SAMPLE LOCATION

Falls GROUP

0 500 m

Project No.	By: TH
Scale: 1:16000	Drawn: TH
Drawing No: 4	Date: 93

5.0 PROSPECTING ACTIVITIES

In July and August, 1992 the property was visited several times. Samples were taken from outcrop along roads and from float boulders on hillsides. The area is generally under a lot of cover with few outcrops. There is a limestone argillite package on the western edge of the claim group. There is also a shear zone 5 to 10 metres wide with serpentinized ultrabasic rocks trending northwest.

Samples taken gave values of copper, zinc, silver and gold. This tends to suggest that the mineralization is possibly syngenetic massive sulphides concentrated in a marine volcanic environment.

Table 3

<u>Sample</u>	<u>Mo</u> ppm	<u>Cu</u> ppm	<u>Pb</u> ppm	<u>Zn</u> ppm	<u>Ag</u> ppm	<u>Ni</u> ppm	<u>Co</u> ppm	<u>Cr</u> ppm	<u>Au</u> ppb
92071200	4	21.7%		1310	121.9	170	395		1060
92071201	4	27.6%		2605	227.8	110	396		1020
92071202	3	14.4%		705	1.2				
92071203	2	5064		286					
92071204	8	4093			7.4				
92080304	242	11650		463	13.8				230
92080305						1718	70	619	

ROCK DESCRIPTIONS

- 92071200 Float: Quartz boulders, 50-70% sulphides, malachite, pyrite, chalcopyrite
- 92071201 Float: Quartz boulders, 50-75% sulphides, malachite, pyrite, chalcopyrite
- 92071202 Grab: Limestone, 15-20% sulphides, malachite, chalcopyrite
- 92071203 Grab: Limestone, 5-10% sulphides, malachite, pyrite
- 92071204 Grab: Argillite, siliceous, 20-30% sulphides, malachite, pyrite
- 92080201 Float: Rusty argillite
- 92080301 Grab: Tuff, rusty on fractures, 2-5% sulphides
- 92080302 Grab: Rusty argillite, 2-5% sulphides
- 92080303 Grab: Rusty argillite, 5-10% sulphides in fractures
- 92080304 Grab: Calcite veining, 5-15% sulphides, malachite, pyrite, chalcopyrite
- 92080305 Grab: Shear zone, altered greenstone slickenside, 2-5% sulphides

6.0 CONCLUSIONS AND RECOMMENDATIONS

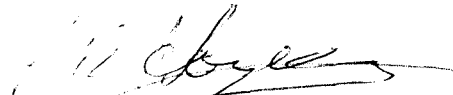
Samples taken from within the property contain up to 75% sulphides. They have values up to 27.6% copper, 227.8 ppm silver, 1718 ppm nickel, 843 ppm antimony and 1060 ppb gold.

It is recommended that the property be gridded, and soil sampled; to be followed by geophysics and trenching or drilling.

The whole property should be prospected and all outcrops mapped.

Based on the history of the area, never mind the results of the samples taken, this property has significant potential and further work is warranted.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'E. Hayes', with a long horizontal flourish extending to the right.

Edward Hayes

COST STATEMENT

Personnel:

Prospector J.L. Zackodnik	6 days @ \$250	\$1,500
Prospector E.W. Hayes	7 days @ 350	2,450

Transportation:

Truck	6 days @ 90	540
Fuel		262

Food and Accommodation:	12 mandays @ 55	660
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Laboratory Costs:	11 rocks @ 20.50	225.50
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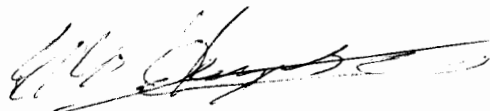
Report Costs		<u>325</u>
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Total Costs		<u><u>\$5,962.50</u></u>
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QUALIFICATIONS

I, E. W. Hayes do hereby certify:

1. That I am a self-taught prospector.
2. That I have been involved in the mineral exploration industry for 29 years.
3. That I belong to the British Columbia & Yukon Chamber of Mines.
4. That the opinions, conclusions and recommendations contained herein are based on a review of previous work and fieldwork performed during the last field season.



E. W. Hayes

Vancouver, B.C.

APPENDIX I

Certificates of Analysis

KUSSBACHER LABORATORY LTD.

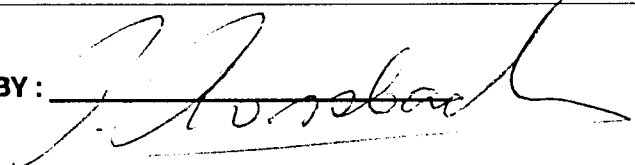
CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : CME CONSULTING LTD.
#2405-555 WEST HASTINGS STREET
VANCOUVER, B.C.
Project: GREENWOOD
Type of Analysis: ICP

Certificate: 92330
Invoice: 30405
Date Entered: 92-08-30
File Name: CME92330.I1
Page No.: 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% SI	PPM W	PPM BE	PPB AU	PPB AA
A	92071200	4 21.7%*	11	1310	121.9	170	395	104	22.31	71	5	ND	ND	5	26	8	11	15	0.14	0.06	4	39	0.08	80	0.01	0.08	0.01	0.01	284	1	1060		
A	92071201	4 27.6%*	15	2605	227.8	110	396	109	22.19	112	5	ND	ND	6	58	7	9	5	0.25	0.05	1	35	0.07	71	0.01	0.04	0.01	0.01	311	1	1020		
A	92071202	3 14.4%*	15	705	1.2	65	181	527	1.09	11	5	ND	ND	744	21	6	13	5	22.48	0.01	1	34	0.34	38	0.01	0.30	0.02	0.01	45	2	5		
A	92071203	2 5064	22	286	0.4	15	52	377	0.37	21	5	ND	ND	948	9	5	6	1	28.95	0.01	1	26	0.29	26	0.01	0.02	0.04	0.01	1	1	5		
A	92071204	8 4093	32	70	7.4	171	2724	79	31.11	323	5	ND	ND	40	21	9	30	2	1.37	0.03	2	16	0.05	100	0.01	0.01	0.01	0.02	468	1	5		

CERTIFIED BY: 

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

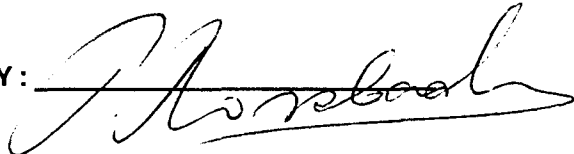
2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : CME CONSULTING LTD.
#2405-555 WEST HASTINGS STREET
VANCOUVER, B.C.

Project: GREENWOOD
Type of Analysis: ICP

Certificate: 92294
Invoice: 30367
Date Entered: 92-08-11
File Name: CME92296.I
Page No.: 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MNI	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% SI	PPM W	PPM BE	PPB AU	PPB AA
A	92080201	1	11	5	10	0.1	8	10	49	0.78	2	5	ND	ND	14	1	2	1	5	0.05	0.01	1	67	0.05	22	0.02	0.26	0.06	0.01	2	1	5	
A	92080301	1	213	13	31	0.2	3	14	256	2.78	7	5	ND	ND	22	1	6	4	43	0.78	0.17	6	28	0.68	23	0.18	0.80	0.07	0.01	6	1	5	
A	92080302	20	203	12	42	0.3	33	7	237	2.72	9	5	ND	ND	10	1	1	7	62	0.42	0.06	4	124	0.44	81	0.05	0.82	0.08	0.01	22	1	5	
A	92080303	1	52	21	209	0.1	56	27	895	6.07	2	5	ND	ND	10	1	1	1	157	0.26	0.05	7	131	2.41	31	0.09	3.43	0.05	0.01	8	3	5	
A	92080304	242	11650	21	463	13.8	19	31	742	3.09	5	5	ND	ND	13	1	843	1	15	6.78	0.01	1	80	0.42	1	0.01	0.36	0.02	0.01	14	1	230	
A	92080305	4	80	8	17	0.8	1718	70	327	3.60	2	5	ND	ND	1	1	4	1	20	0.17	0.01	1	619	9.16	3	0.01	0.39	0.03	0.01	4	1	5	

CERTIFIED BY: 

REFERENCES

Church, B.N. Geological Setting and Mineralization in the
Attwood-Phoenix Area of the Greenwood Mining Camp

Fyles, James T. Geology of the Greenwood-Grand Forks Area

Hawkins, T.E.G. Report on April Claim Group