

**FILE****CORPORATION FALCONBRIDGE COPPER**

MEMORANDUM

823869

DATE: August 1, 1985  
A  
TO: A. J. Davidson  
COPIES A  
COPIES TO:  
DE  
FROM: I. D. Pirie  
SUJET  
SUBJECT: MS PROPERTY, NTS 82M/5

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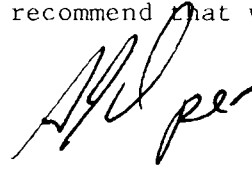
The MS property was brought to our attention by Mr. Paul Ziebart of Kelowna, the prospector who staked the claims. They are located in the headwaters of Fennell and Goller Creeks midway between Vavenby and the north end of Adams Lake.

The property is underlain by basalt and limestone of the Eagle Bay Formation. It lies immediately to the north of the Baldy Batholith.

Previous work on the property consists of geological mapping, geochemical sampling (rock and soils) and a magnetometer survey by Dynasty Explorations Limited (John Brock, V.P.) in 1971. This is described in detail in A.R. 3430. To summarize, they located several zones of disseminated copper mineralization, accompanied by  $\text{SiO}_2$  - Kspar alteration, within a stratiform zone of chlorite schist at the contact between basalt and limestone. Values of up to 0.72% Cu over 8 feet are reported. They compared the situation to that of Noranda's Harper Creek (Janes Creek) deposit several kilometers to the west. That is reported to contain several tens of millions of tons grading in the order of 0.4% Cu.

Although I found the " $\text{SiO}_2$  - kspar alteration" to be, at least in part a dacitic quartz porphyry, I found nothing to suggest potential for anything other than a low grade Cu deposit. The basalts are texturally similar to those in the footwall at Rea Gold, but there the similarity ends. There is no sign of the extensive sericitic alteration that accompanies the massive sulphide mineralization. The basalts are also much closer in the stratigraphy to the limestone than at Rea.

At this time I would not recommend that we become involved with this property.

A handwritten signature in black ink, appearing to read 'I.D. Pirie', written in a cursive style.

Ian D. Pirie

References: (on file)

BCDMPR Assessment Report 3430  
Paul Ziebart correspondence (with maps)  
Field notes - IDP June 28th, 1985

June 28<sup>th</sup>

MS claims.

Paul Zwart

- drive Golden Cc road to 2<sup>nd</sup> cedar bedding
- plough uphill through alders to washout at 1220E1
- Walk skid trail to top road at 1500m

o/c top road @ W fork of Cc is frag<sup>e</sup> basalt, dip 45° @ 330° (strikes 060°)

Bcs  
2055

It is distinctly frag<sup>e</sup> agglomerate, quite cc rich with a little biotite loc. Cut by a few cc (pta) veins

proceeding W along road into cloude

Bcs 2057.

~~HP MS-1~~

weathered sulphide zone with a pod of 1st. pod towards the top of it. Strongly mineralized over 1' but gossier over 5-6'

At creek 30m W cross fault? into grey basalt.

Main area of showings consists of quite siliceous and basaltic rock (basalt?) Sulphides are disseminated and ventifacts (some strongly dis) apparently localized along x-acting faults (small creek)

At the second showing (rest of this zone) a mineralized and a wallrock sample was taken

At third showing fault box is well exposed with pyritic fragments in it.

## LOOKOUT SAMPLES.

See Ziebart soil geochron map for locations.

BCS 2051

LOOK #1 Silvery, slaty siscite schist with abundant magnetite

BCS 2052

LOOK #2. More massive, mt bearing, calcareous mafic. Possibly an intrusion or ign flow.

BCS 2053

LOOK #3 Bedded, mt-rich mafic tuff or tuff wacke. Contains small, rounded knots or crystals of quartz. Strong foliation / bedding contrast (fold nose).

BCS 2054

LOOK #4. Very similar to 2052. (LOOK #2).

## MS SAMPLES

BCS 2055

Typical unaltered basalt as exposed immediately east of the property on the road. Locally cc rich. Minor biotite.

BCS 2056

Supposedly altered basalt, but is actually quartz porphyritic andesite/dac. Mod. foliation. Ferronage  $\rightarrow$  chl.  $Fp \rightarrow$  ser (partially). Cut by carb-qtz veins. Trace disseminated py.

BCS 2057

Mineralization from breccia with an upper road. Zone is approximately 2' (60cm) in width though gossan is more extensive. Very weathered py-gr.

MS SAMPLES (cont)

BCS 2058

1<sup>st</sup> of the Si-kispa related showings. Diss'd + veinlet sulphides in Si-k altered rock. Grab sample - diffuse zone

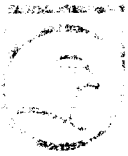
BCS 2059

2<sup>nd</sup> showing. Grab sample of best mineralization in a poorly defined zone

BCS 2060

Pitric fragment from rusty fault bx zone in ~~the~~ a small creek which bisects the mineralized zone.

FILE



CORPORATION FALCONBRIDGE COPPER

6415 - 64th Street  
Delta, B.C., Canada V4K 4E2  
Telephone (604) 946-5451

July 31, 1985

Mr. Paul Ziebart  
605 Buck Road  
Kelowna, B. C.  
V1W 2L4

Dear Paul;

Thank you for bringing your MS and Lookout claims to our attention and for showing me around.

As I mentioned to you on the phone, I think the claims are well located in a particularly exciting belt and undoubtedly deserve further work. We are, however, in the situation that we have a large property position within the western and southern part of the belt and could not sufficiently fund the necessary work on your claims at this time.

I'm sure that, as we expand our search into the eastern and northern areas of the Eagle Bay formation, we may wish to take another look at your claims. But for now, I'm afraid we are unable to take further action.

Thank you again for contacting us and the best of luck with your prospecting.

Yours sincerely,

Ian D. Pirie  
Project Geologist

IDP/ik

JUL 30 1985

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: CORP. FALCONBRIDGE COPPER  
PROJECT: 382  
ATTENTION: IAN D. PIRIE


FILE: 5-376  
DATE: JULY 26/85.  
TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 4 samples submitted.

SAMPLE NUMBER	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	AU PPB	BA PPM
BCS-2057	1380	150	130	5.0	50	10	200
2058	740	22	94	1.8	5	5	50
2059	525	64	140	1.7	21	5	100
BCS-2060	3500	2100	4900	4.9	84	30	190

2057 MS prep. pyritic gossan in 1st. (60cm)  
2058 " pyritic Si-K altered zone (grab)  
2059 " " (grab)  
2060 " sulphide fragment in fault breccia

Certified by





VALUES IN %	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	PB	SiO2	TIO2	ZR
BCS 2051	17.72	.130	1.41	15.23	6.08	1.25	.21	.11	.008	54.35	2.42	.021
BCS 2052	16.64	.065	4.05	11.46	2.08	3.45	.21	4.71	.005	54.71	1.91	.021
BCS 2053	19.28	.152	1.93	13.69	5.58	4.43	.14	1.62	.005	50.56	2.40	.023
BCS 2054	18.46	.058	2.45	13.21	1.35	8.78	.15	3.53	.009	49.64	2.00	.016
BCS 2055	15.07	.027	9.12	11.55	1.04	5.73	.25	3.01	.012	50.10	1.75	.013
BCS 2056	15.96	.038	1.74	3.55	1.50	3.01	.03	5.08	.005	68.15	.66	.008
BCS 2061	12.19	.035	.46	6.05	2.67	3.23	.07	.23	.048	69.38	.36	.005
BCS 2062	15.17	.040	3.05	4.30	3.48	1.45	.16	1.06	.005	63.50	.42	.005
BCS 2063	16.82	.042	2.16	6.00	2.44	1.31	.15	2.41	.005	70.65	.43	.005

- 2051 Lookout prop. mafic (sericite schist) adj to 1st
- 2052 " " Mg, Mt bearing maf flow
- 2053 " " Bedded mafic tuft (vacke?)
- 2054 " " Mg mafic flow.
- 2055 MS prop. Unaltered basalt imm. east of claims on road.
- 2056 " " Qtz-porphyrific dacite ("Si-K alt")
- 2061
- 2062
- 2061-63 QP "phyllite" Bite Creek area.
- 2063

COMPANY: CORP.FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

(ACT:) PAGE 2 OF 2

PROJECT NO: 382

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7H 1T2

FILE NO: 5-376

ATTENTION: IAN D. PIRIE

(604)980-5814 OR (604)988-4524

\* TYPE ROCK GEOCHEM \*

DATE: JULY 24, 1985

(VALUES IN % )	CU-PPM	ZN-PPM
BCS 2051	25	94
BCS 2052	37	84
BCS 2053	38	96
BCS 2054	36	100
BCS 2055	25	79
BCS 2056	14	77
BCS 2061	130	1370
BCS 2062	20	69
BCS 2063	160	895