CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

827466

DATE: April 15, 1983

O -min 5

D. H. Watkins

COPIES À I. D. Pirie, M. J. Knuckey

PROM: A. J. Davidson

SUBJECT: NORTH FORKS PROPERTY, HARRISON LAKE NTS 92H/12

The North Fork property (see AJD memo March 3, 1983) located on the east side of Harrison Lake, was visited on March 31. The topography is extremely rugged and the main showing is at an elevation of 930 metres. However the property is road accessible and less than 200 kilometres from Vancouver.

Property

Claim	Record #	Month_	Year Staked	Expires	Units
North Fork I	1243	7	1981	1984	9
North Fork 2	1261	8	1981	1984	12

The claims, located in the New Westminister Mining Division, are owned by Dale McCallum, Hank Nickel and Don Crowhurst of Agassiz, B. C. However they are still registered in the name of Orbex Minerals, the previous optioners.

Local Geology and Mineralization

The surface showing, visited March 31, consists of a 1-1.5 metre wide, vertical dipping, band of well bedded massive pyrite - pyrrhotite - sphalerite, with some chalcopyrite. These massive sulphides are enveloped by a zone up to 5 metres wide, of semi-massive and stringer pyrite, pyrrhotite and chalcopyrite. The entire sulphide zone is set in a sheared sericite-chlorite alteration envelope near the transition from a sequence of dominantly basic volcanics to one of

argillaceous and muddy sediments. The rocks in the area have been both thrust and block faulted and evidence of intense folding can be seen. Dioritic intrusives and ultramafic flows are also present in the immediate area. Initial impressions of the geology are consistent with that of a sea floor ridge environment. CFC sampling of the massive sulphides in outcrop and in blasted rock (from road building) are as follows:

Description	%Cu	%Zn	Ag(g/T)	Au(g/T)
Banded pyrite sphalerite ore Massive pyrite, chalcopyrite matrix	0.01 4.90	7.31 0.99	8.2 36.3	0.07 0.82
Massive pyrrhotite, chalcopyrite blebs	0.46	0.56	10.3	0.07
Banded chalcopyrite-sphalerite	5.15	6.52	22.6	0.27
Massive pyrrhotite (weathered)	3.10	1.49	27.4	0.27
Stringer material	0.11	0.38	6.2	0.07

Although four drill holes have tested this showing (AJD memo March 3, 1983) it has excellent potential for developing into an economic deposit.

Option Agreement

On April 5, 1983 on the basis of the March 31 property visit I sent letters to the three owners offering the following option terms:

- 1) The option period shall be 5 years.
- 2) CFC shall have the option to be registered as 100% owner of the property provided that CFC
 - a) pays the owners a total of \$3,000 on signature
 - b) pays the owners an additional sum of \$27,000 on or before the end of Year 5
 - c) spends at least \$250,000 on the property during the option period.
- 3) The vendors shall retain a 5% net proceeds of production royalty calculated after CFC recoupement.
- 4) CFC would retain a right of first refusal on the owners' interest.

The owners agreed to the above terms and signed and returned the letters. I will now instruct our legal department to draft a more formal agreement as soon as possible.

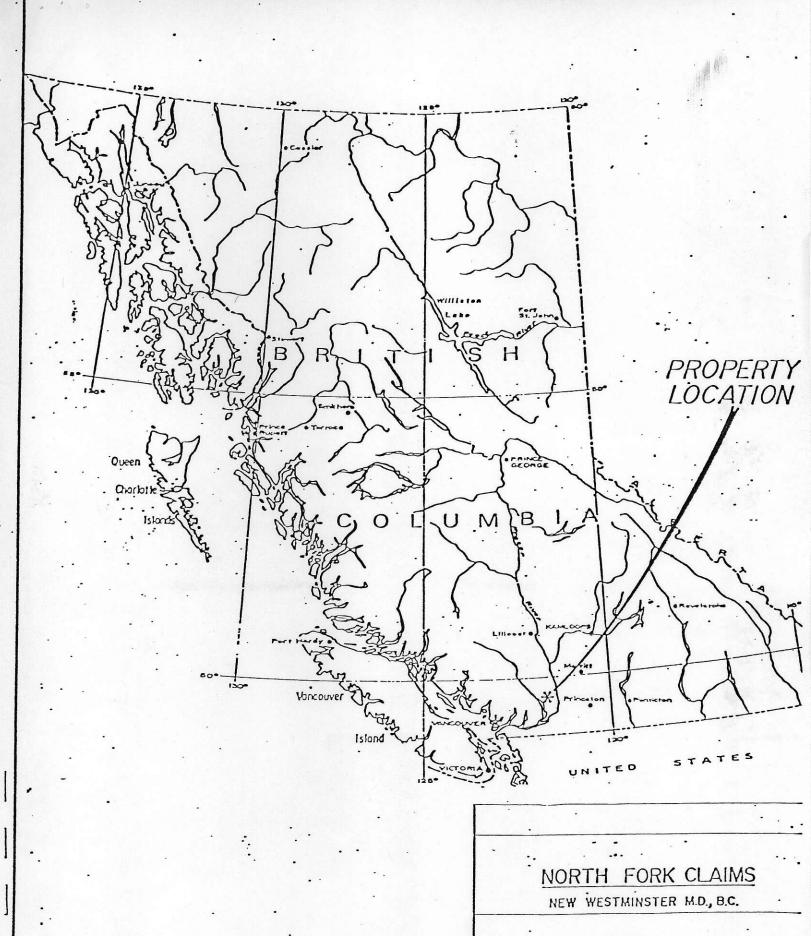
Proposed Work - 1983

The property as it stands now is made up of 21 units covering 5.25 square kilometres. Due to the complex geology etc and other committments of our Harrison-Hope field crew only reconnaissance style mapping and sampling will be carried out this summer on the property as a whole. However detail work will be done in the immediate area of the showing. Due to active logging this summer grid lines will probably not be cut until the late summer — early fall. Protection staking will be done after the final agreement is signed. Surface Pulse EM would be carried out later this year. A proposed 1983 budget is attached.

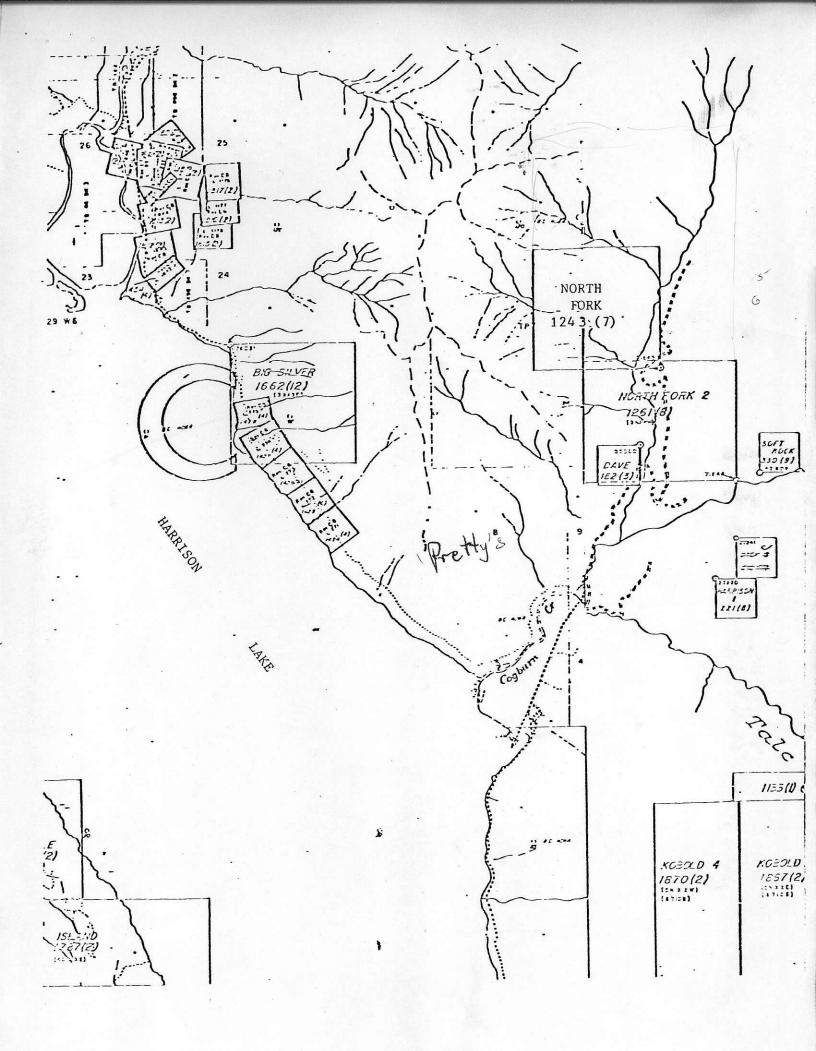
Conclusions

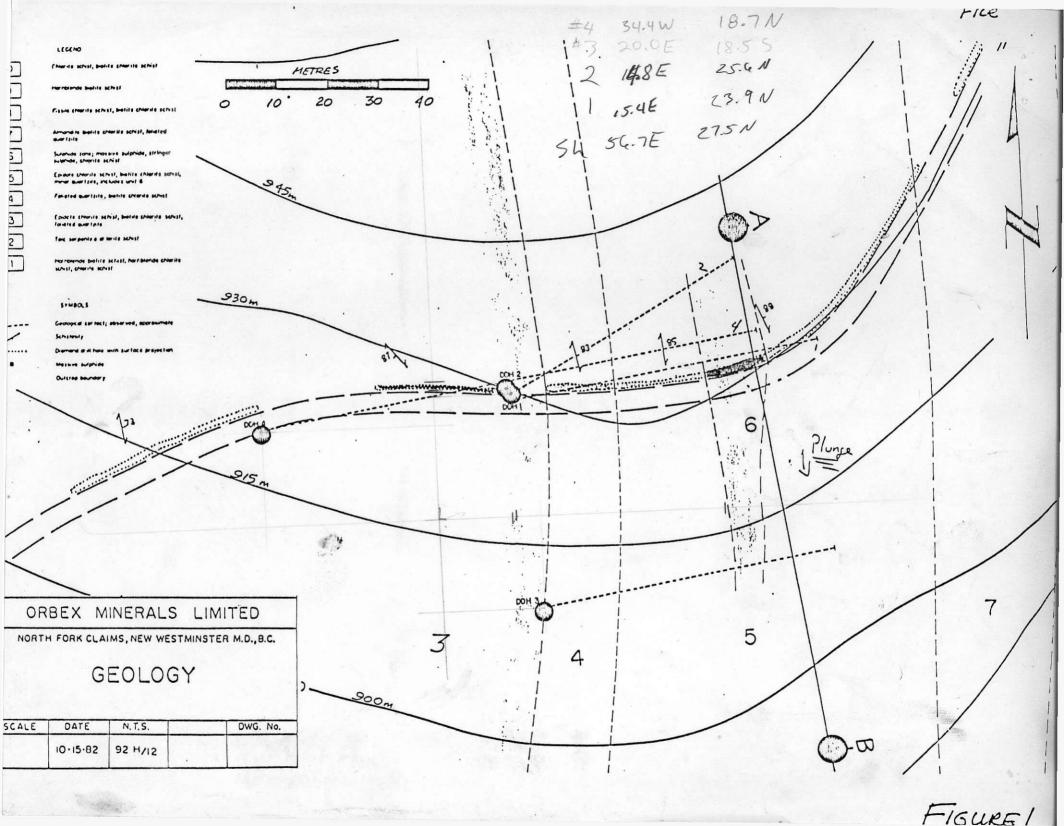
This property offers an excellent chance for economic discovery in a highly accessible and geologically favourable belt of volcanics. The option terms agreed to allow for an intense and thorough exploration program on both this property and the Chilliwack Group belt.

Me. N.



LOCATION MAP





NAME -	McCallum Option		PROJECT NO.	203
GEOLO GY	Salaries Travel Expenses Contract Payments Field Expenses Analyses		12000 3000 3000 4000 1000	23000
GEOPHYS1CS	Salaries Travel Expenses Contract Payments Field Expenses Analyses		0 0 20000 0 0	20000
GEOCHEMISTRY	Salaries Travel Expenses Contract Payments Field Expenses Analyses	5	10000 2000 0 4000 5000	21000
DRILLING	Salaries Travel Expenses Contract Payments Field Expenses Analyses		0 0 0 0 0	0
	Linecutting (35 Property Acquisit Hotels and Meals Computer Usage			15000 4000 2000
	Option Payments (on signing) Property Maintenance			30 00
	Share of Regional Other (H. Participants Sha	l Office .O. charges)		1000 0 200 0
	тот	TAL		100000

NOTES:

Six weeks total field work on a recce basis, includes some bulldozer time as well s mapping and lithogeochem sampling. Linecutting and surface Pulse EM to be done in late summer-fall in prep for 1984 detail work and possible drilling.