

FILE

CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

DATE: March 24, 1987
A
TO: A. J. Davidson
COPIES A
COPIES TO: C. M. Burge
DE
FROM: L. D. Pirie
SUJET
SUBJECT: North Forks Work Proposal

North Forks 1-5
Claims
827463
924/12

Introduction

The North Forks property, located on the east side of Harrison Lake approximately 100km east of Vancouver covers a massive sulphide showing grading 3.19% Cu, 1.21% Zn, 33.5 g/T Ag and 0.17 g/T Au over 3m. It is hosted by deformed volcanic and sedimentary rocks of Palaeozoic age and shows distinct similarities to the large Goldstream deposit north of Revelstoke.

Previous workers in the area have performed geochemical (soil and rock), geophysical (HEM, SP and GENIE) and geological surveys which have confirmed the nature of the mineralization as syngenetic massive sulphides and have indicated a steep easterly dip (80°) and southerly plunge ($65-80^{\circ}$) to the exposed body. Four short diamond drillholes intersected massive or stringer sulphides and intense chloritic alteration, but it is questionable whether any of them went deep enough to test the down dip/plunge extent of the surface showing.

Objectives

The objectives of the programme herein proposed are as follows:

- 1) to check whether any of the original grid exists now that logging activity has swept through the immediate area, and to re-establish as necessary;
- 2) to spot drillholes and prepare set ups;
- 3) to drill 630m in 5 holes to test the down plunge extent of the outcropping sulphides at depths of between 100 and 150m and to test geophysical responses 50m either side of the showing;

and 4) to carry out downhole Pulse EM to locate sulphides near to, but not intersected by the drillholes.

Costs

1) 4 man-days @ \$150	600	
2 days truck + fuel	100	
meals & accommodation	150	
miscellaneous	150	
		\$ 1,000
2) D6/7 cat work		
20 hrs + mob/demob + salaries, etc.		\$ 2,500
3) 630m drilling @ \$120/m		\$75,600
(5 holes)		
4) PEM holes		<u>\$10,000</u>
	Sub total	\$89,100
	Administration (12%)	<u>\$10,692</u>
	Total	\$99,792

Comments

Structural observations all point to the target as being a rod shaped body steeply plunging south. Although such bodies have significant tonnage potential and are relatively simple to mine, they are hard to intersect in drilling, hence the drill/PEM combination is essential. Lining the holes with PVC pipe may be necessary.

Further surface geophysics is not warranted at this time since available data confirms the presence of sulphides 50m either side of the showing and the steep plunge would put the sulphides out of the range of most instruments very quickly beyond that. However, it should be noted that these deposits often

cluster together so that further work to pick up other bodies may be warranted later. Perhaps an airborne survey should be considered.

The work proposed herein should commence in mid to late April when the snow melts.



Ian D. Pirie

IDP/ik

150 m

GEOPHYSICAL RESPONSE

SHOWING

2.06, 0.83, 26.0, 0.27 ALSO 3.19, 1.21, 33.5, 0.17
1.7m 3.0m

UPPER ROAD

GEOPHYSICAL RESPONSE

PLUNGE OF MASSIVE SULPHIDES at -80°

300 m

P5 * (70m)

NF-2
0.19, -, -, -
4 m stringer cp

NF-1
2.04, 0.98, 9.2, -
3 m massive sulphides

at -65°

350 m

NF-4
0.23, -, -, -
3 m stringer cp

NF-3
0.56, 0.66, -, -
1 m massive po

P3 * PROPOSED DRILLHOLE



Drill Hole with massive sulphides



Drill Hole with non massive sulphides projected to SECTION

P1 (110m) *

P2 * (150m)

P3 * (130m)

P4 (170m)

% Cu, % Zn, g/T Ag, g/TAu
metres

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NORTH FORK SHOWING
LONGITUDINAL SECTION
PROPOSED DRILLING
LOOKING 080°



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FIG. NO.:

300 m