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NORTH FORKS PROJECT  
1986 WORK PROPOSAL

A. J. DAVIDSON  
CORPORATION FALCONBRIDGE COPPER

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## INTRODUCTION

The NORTH FORKS PROJECT is located on the north fork of Cogburn Creek, which drains westward into Harrison Lake, 100km ENE of Vancouver. The massive sulphide showing was discovered during logging road construction and grades 3.19% Cu, 1.21% Zn, 33.5 g/T Ag, 0.17 g/T Au over 3 metres. The NORTH FORKS PROJECT consists of 2 claims (21 units) optioned from private individuals and 3 claims (21 units) staked by CFC and occurs in volcanic and sedimentary rocks of Paleozoic age.

## GEOLOGY

The showing consists of 4 massive sulphide bands, from less than 30cm to 1.2m in thickness with accompanying stringer mineralization. The lower bands are pyrite rich with minor chalcopyrite and sphalerite and are locally bedded. The upper bands tend to be pyrrhotite rich. Host rocks are basaltic flows and tuffs with interbedded cherts and sediments. Alteration in the form of chlorite and biotite is restricted to the immediate (15-20m) footwall with epidote-quartz alteration more widespread in both the footwall and hangingwall.

## PREVIOUS WORK

The following work has been carried out by CFC on the Property:

- |              |   |
|--------------|---|
| Geology      | - detailed mapping around the massive sulphide showing, compiled at 1:5000 and relogging of 4 drill holes.<br>- regional mapping to define stratigraphy and to tie in areas to the south, compiled at 1:20,000. |
| Geochemistry | - detailed bedrock sampling around the sulphide zone.<br>- reconnaissance sampling elsewhere.   |
| Blasting     | - A program of blasting has been carried out to better expose the massive sulphides and their host rocks.   |

## RESULTS

Four holes were drilled to test the showing in 1982 of which 3 undershot the target and intersected stringer sulphides. The fourth intersected the massive sulphides and the intersection graded 2.04% Cu, 0.98% Zn, and 9.2 g/T Ag. The 1983 programme indicated that the target is a steeply plunging (80-85°) rod of massive sulphides (based on alteration patterns, mapping, and observed 20:1 stretching ratios).

The 1986 blasting program better exposed the sulphides and detail mapping of these new exposures will aid in determining the attitude of the sulphides and will help in the placement of the proposed drill holes.

## PROPOSED PROGRAM

The 1986 program on the North Forks Project is designed to:

- a) define the structure and setting of the massive sulphides through
  - i) linecutting
  - ii) mechanical trenching
  - iii) detail mapping and sampling
  
- b) explore the down dip, down plunge and strike extent of the massive sulphides by
  - i) detail ground geophysics
  - ii) diamond drilling.

A proposed breakdown for the exploration program is as follows:

- |                  |  |
|------------------|--|
| November         | - Linecutting, mechanical trenching, detail mapping and detail ground geophysics |
| December-January | - Diamond Drilling.  |

A specific breakdown of the proposed program and the cost of each phase is as follows:

Linecutting: - Establish a detail grid over the showing areas. A 500m baseline with picket lines every 50m is proposed. The lines will be chained at 25m intervals.

Cost:	11.5km @ \$400/km	\$4,600
	Supervision	<u>300</u>
	TOTAL	\$4,900

Trenching: - Trench and excavate rubble from the main sulphide zone to better expose the massive sulphides.

Cost:	10 hours @ \$80/hour	\$ 800
	Mob/Demob	500
	On site supervision	<u>300</u>
	TOTAL	\$1,600

Mapping & Sampling:

- Geologist to detail map and sample the immediate area around the showing in order to better define the lithology, alteration and structural controls of the mineralization.

Cost:	Geologist 6 days @ \$300/day	\$1,800
	Samples 50 @ \$25/sample	1,250
	Room and Board @ \$75/day	450
	Truck at \$50/day	<u>300</u>
	TOTAL	\$3,800

Geophysics: - Surface Pulse EM to trace the down plunge/down dip and strike extent of the massive sulphides.

Cost:	Surface Pulse EM	
	5 days at \$1200/day	\$6,000
	Supervision	<u>300</u>
	TOTAL	\$6,300

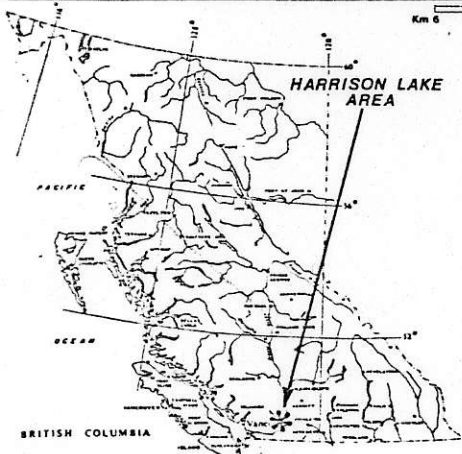
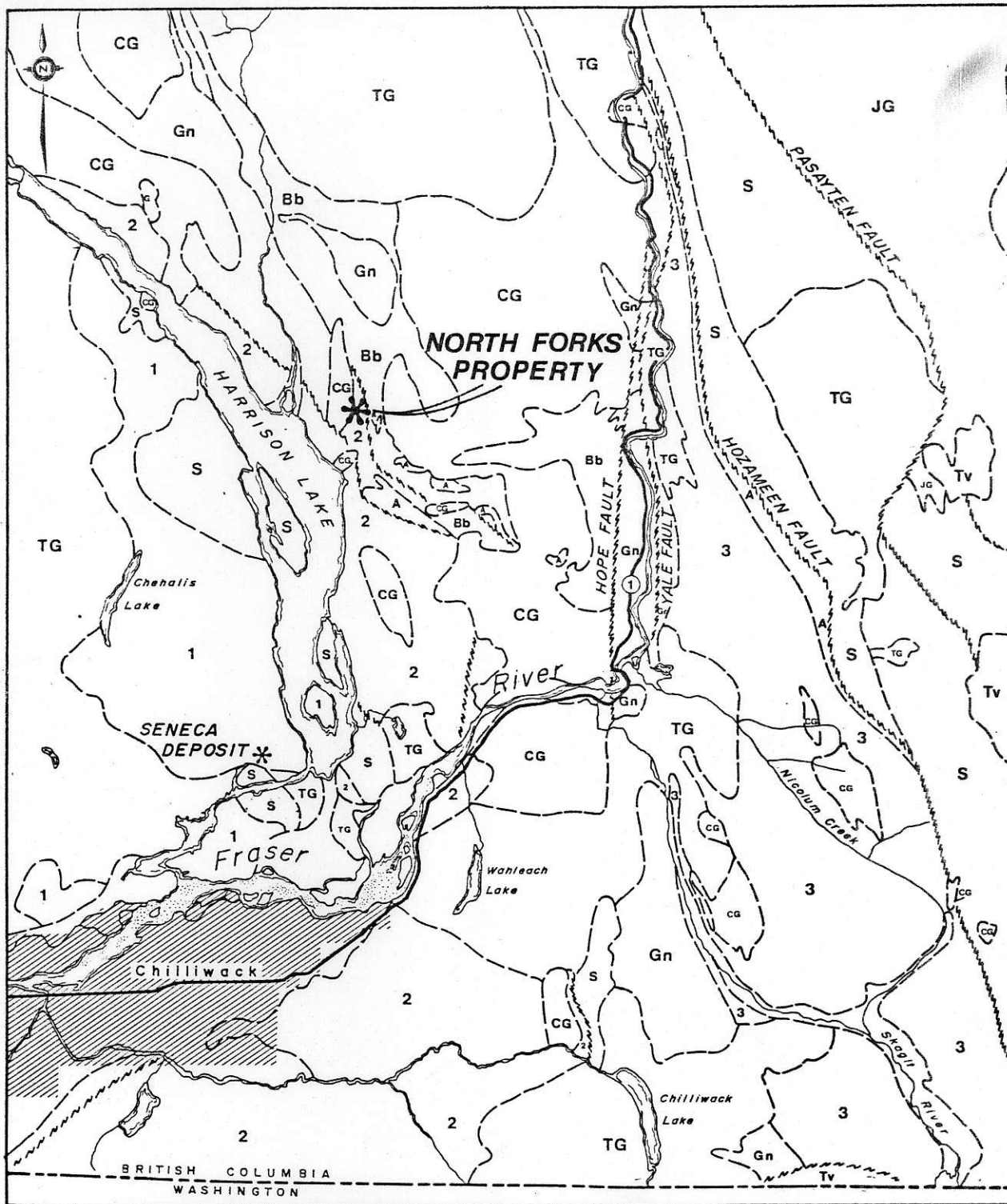
Diamond Drilling:

- To test the down plunge/down dip and strike extent of the massive sulphides.

Cost:	700 metres @ \$100/metre	\$70,000
	Supervision 3 days	<u>900</u>
	TOTAL	\$70,900

TOTAL COST:

Linecutting	\$ 4,900
Trenching	1,600
Mapping and Sampling	3,800
Geophysics	6,300
<u>Diamond Drilling</u>	<u>70,900</u>
Sub Total 1986	\$87,500
<u>Administration (12%)</u>	<u>10,500</u>
TOTAL 1986	\$98,000



- LEGEND -

- |    |                         |    |                         |
|----|-------------------------|----|-------------------------|
| 1  | HARRISON LAKE FORMATION | Gn | Gneiss                  |
| 2  | CHILLIWACK GROUP        | S  | Sediment (various ages) |
| 3  | HOZAMEEN FORMATION      | Tv | Tertiary volcanics      |
| TG | Tertiary plutons        | A  | Ultramafic              |
| CG | Cretaceous plutons      | Bb | Schist, amphibolite     |
| JG | Jurassic plutons        |    |                         |