FALCONBRIDGE LIMITED

NORTHAIR OPTION AND CALLAGHAN PROJECT

GEOLOGY
- EAST SHEET -

NTS: 92J/2 — Project 140/118

WORK BY: SC — DRAWN BY: — DATE: Jan 1988

SCALE IN METRES 100 0 100 200 300 400 — 1 : 5000

CONTOUR INTERVAL: 10m

SHEET NO.: 2 of 2

Figure: 4

NORTHAIR OPTION

Grid 'C'

Grid 'H'

Grid 'F'

Grid 'G'

SURFACE TRACE DISCOVERY ZONE

SURFACE TRACE 'C' ZONE

SURFACE TRACE WARMAN ZONE

SURFACE TRACE MANIFOLD ZONE

2600 FOOT ADIT

Discovery Creek

'E' SHOWING

'PAC' SHOWING-Zn

S-1-80 S-2-80 S-3-80 S-4-80 S-5-80 S-11-80 S-12-80 S-13-80 S-14-80 S-15-80 S-16-80 S-17-80 S-18-80 S-19-80

SEE SHEET I

5 554 000 N

5 553 000 N

5 552 000 N

5 551 000 N

493 000 E

494 000 E

LEGEND

LITHOLOGY

TERTIARY TO QUATERNARY

GARIBALDI GROUP
- 5a Valley basalt
- 5b Basalt dyke
- 5c Felsic dyke

CRETACEOUS TO TERTIARY

COAST RANGE INTRUSIVE COMPLEX
- 4 Diorite

LOWER CRETACEOUS

GAMBIER GROUP

Hybrid Contact Rocks
- 3a Epidotized hybrid rock
- 3b Silicified tuff
- 3c Chlorite schist
- 3d Biotite hornfels and schist

Upper Volcanic Unit
- 2a Feldspar crystal breccia
- 2b Feldspar crystal lapilli tuff
- 2c Feldspar crystal tuff
- 2d Fine grained feldspar crystal tuff
- 2e Ash tuff
- 2f Siltstone
- 2g Argillite
- 2h Siliceous siltstone
- 2i Greywacke

Lower Volcanic Unit
- 1a Porphyritic volcanic breccia
- 1b Feldspar crystal lapilli tuff
- 1c Massive feldspar porphyritic volcanic
- 1d Tuff
- 1e Volcanic wacke
- 1f Greywacke
- 1g Siltstone
- 1h Argillite
- 1i Siliceous siltstone

SYMBOLS

- Geological contact
- Geological contact (uncertain)
- Outcrop
- Discontinuous outcrop
- S-5-81 Drill hole
- Cleavage
- Bedding
- Bedding (tops)
- Mineralized zone

ABBREVIATIONS

HBL	Hornblende phenocrysts
AUG	Augite phenocrysts
QE	Quartz eyes
GR	Graphitic
HOR	Hornfels
FGR	Fine grained
MGR	Medium grained
CGR	Coarse grained
EP	Epidote
MEP	Moderate epidotization
SEP	Strong epidotization
ARG	Argillaceous
MAG	Magnetite
CPY	Chalcopyrite
MAL	Malachite
GA	Galena
SPH	Sphalerite
PY	Pyrite
ZN	Zinc
PHYLL	Phyllitic

SHEET INDEX

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