

# CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

825262

DATE: February 11, 1987  
TO: L. D. Pirie  
COPIES TO:  
DE FROM: C. M. Burge  
SUIET SUBJECT: Goldfinch Vein 82K/13

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Owner/Operator: Windflower/Granges

Regional Geology: - Cambrian - Lower Devonian age  
- Broadview formation an upper member of the Lardeau group.  
- These rocks are quartzo-felspathic grits, grey, green phyllites and minor limestone, that have probably originated in the metamorphic terrain. Numerous small scale features in the outcroppings of Broadview suggest it lies in a large syncline.

Property Geology: complexly folded overturned (anticline), metamorphosed grey, green phyllites & quartzo-felspathic grits. Property lies on a fault running along the axis of the Finkle Synform a decollement structure (Wheeler, 1975).

Mineralization: several quartz veins dipping steeply east and west carry free gold and minor sulphides. A bulk sample (269.8 tons) taken to Trail smelted at:  
.306 oz/t Au  
.35 oz/t Ag  
.02% Cu  
.10% Pb  
(Eaton Mining and Exploration).

Alteration: Chlorite-sericite schist and chlorite mottling reported.

Geophysics: indicated several north trending zones which could possibly be shear zones.

Claims: Doe 2102 } Windflower Expiry 1990  
Vik 2103 }  
Academy 1 1350 } Academy Enterprises/  
Academy 2 1351 } Windflower Expiry 1987  
Academy 3 1352 }  
Academy 4 1353 }  
Star 1 1183 } Melvin Beaumont Expiry 1987  
Star 2 1184 }  
Copper Sunset }  
John 2 695 Beaumont/Richard Coleman  
Expiry 1987

to the north:

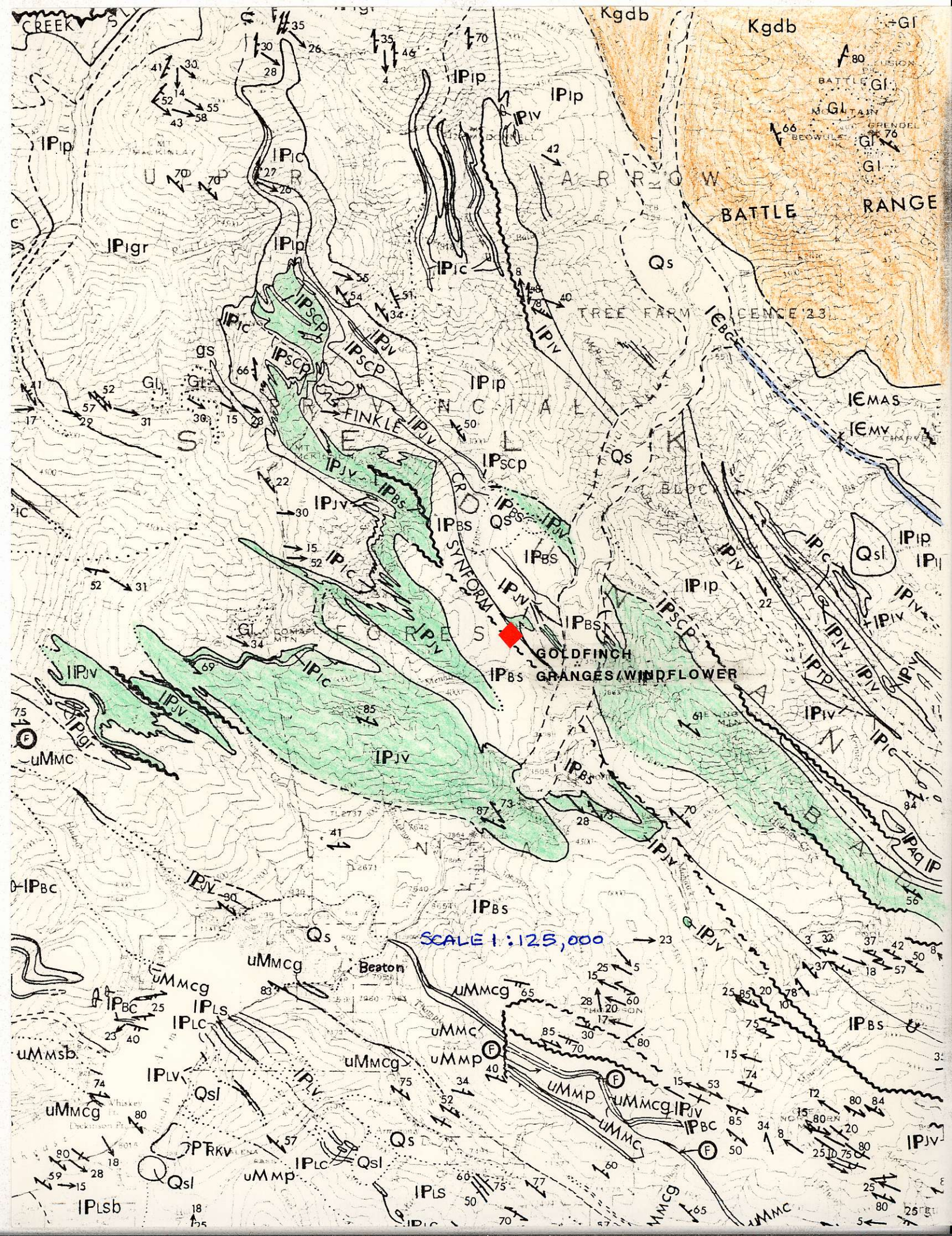
Trilby 1 1924 } John Robertson  
Trilby 2 1925 }  
Trilby 3 1926 }  
Trilby 4 1927 }

Production: 670 ounces in 1903, 1904.

References: Open file 432, GSC  
Read/Wheeler Geology Lardeau  
West half, 1976.  
GSC Memoir 161 Pg. 35, 38, 40.

Remarks: Gold assays (as expected for free gold) are erratic and spectacular in reports. No work of any importance was done until recently. Assessment Reports #12895, 13920 and 14,597 should be looked at in Victoria if investigation continues.

Colin Burge



PALEOZOIC

CAMBRIAN TO DEVONIAN OR OLDER

LOWER CAMBRIAN TO MIDDLE DEVONIAN OR OLDER

LARDEAU GROUP (IPac to IPigr)

BROADVIEW FORMATION (IPac, IPas):

**IPac** Limestone, grey phyllitic limestone and grey phyllite

**IPas** Grey and green phyllitic grit and phyllite

**IPjv** JOWETT FORMATION: green phyllite, limy green phyllite, greenstone

**IPscp** SHARON CREEK FORMATION: dark grey to black siliceous phyllite

**IPaq** AJAX FORMATION: massive grey quartzite

**IPip** TRIUNE FORMATION: grey to black siliceous phyllite

**IPtas** TRIUNE, AJAX, SHARON CREEK FORMATIONS: undivided

**IV** INDEX FORMATION (IPlv to IPigr)  
Green phyllite, limy green phyllite, greenstone

**IPic** Phyllitic and arenaceous limestone; minor grey phyllite

**IPip** Grey and light green phyllite; minor phyllitic limestone and quartz grit

**IPigr** Quartz grit; minor gritty phyllite

**IPls** Undivided: grey phyllite, siliceous phyllite, gritty phyllite, phyllitic grit, rare quartzite

**IPlsb** Biotite sch.

**IPlv** Undivided: green phyllite, limy green phyllite, greenstone

**IPlm** Amphibolite

**IPlc** Undivided: limestone, phyllitic limestone

**IPlsc** Calc-silicate

CAMBRIAN  
LOWER CAMBRIAN

**IEac** BADSHOT FORMATION: Grey and white limestone

**IEasc** Marble

PROTEROZOIC to PALEOZOIC

HADRYNIAN (WINDERMERE) AND/OR CAMBRIAN

HADRYNIAN (WINDERMERE) AND/OR LOWER CAMBRIAN

HAMILL GROUP (IEmq to IEMGq)

MOHICAN FORMATION (IEmq, IEmv, IEMc):

**IEmq** Grey and brown phyllite, micaceous quartzite; minor limestone

**IEmqb** Grey and brown black phyllitic limestone

**IEmv** Green phyllite, minor grey phyllite and limestone

**IEmvm** Amphibolite

**IEMc** White to light grey limestone

**IEMAS** MARSH ADAMS FORMATION: white, grey and brown quartzite, phyllitic quartzite; minor grey and black phyllite

**IEMASb** Garnet-biotite micaceous quartzite

**IEMGq** MOUNT GAINER FORMATION (IEMGq, IEMGv): white quartzite

**IEMGq** Tan and white micaceous quartzite

**IEMGv** Green phyllite, greenstone