

CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

825262

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

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:

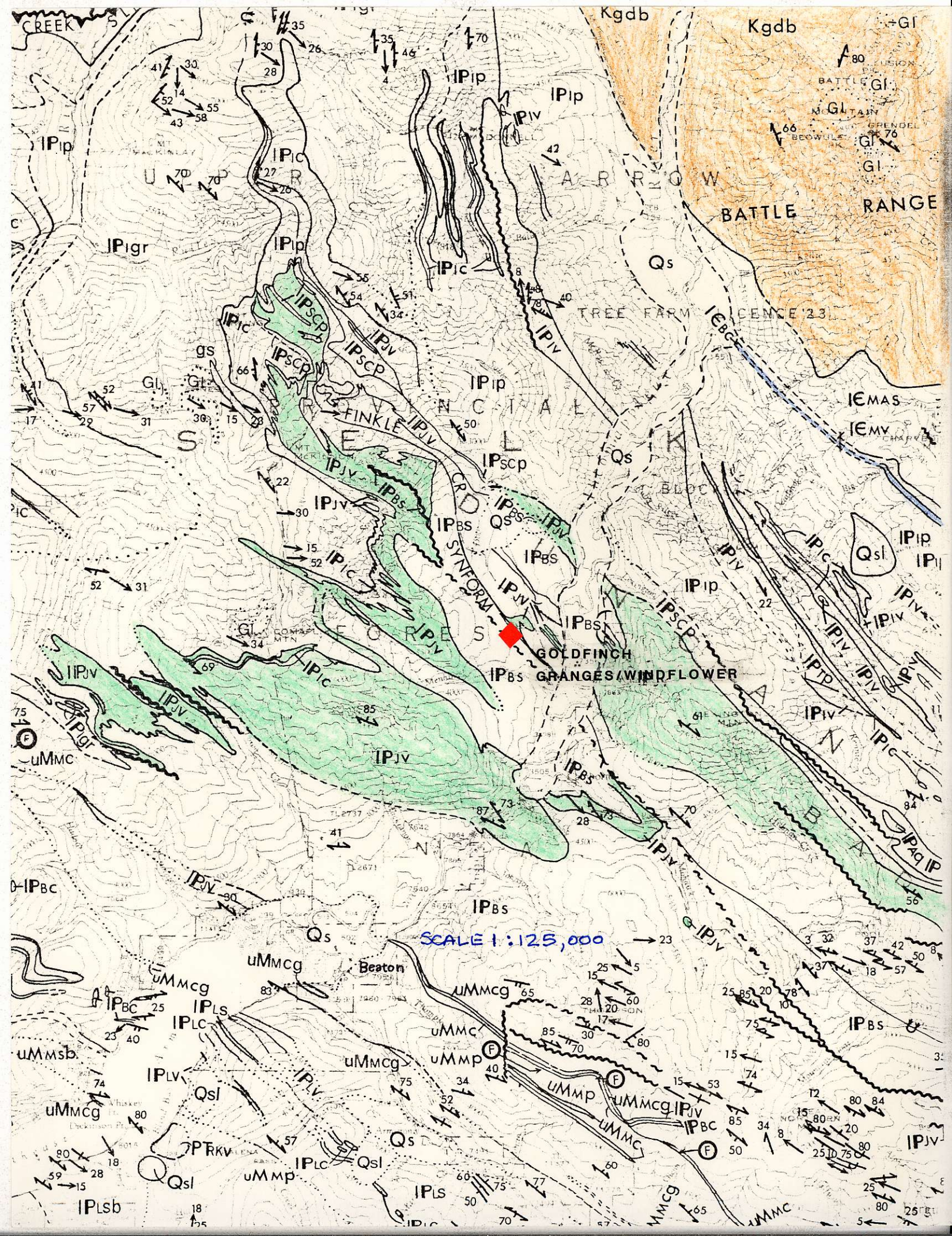
Trilby 1 1924 } John Robertson
Trilby 2 1925 }
Trilby 3 1926 }
Trilby 4 1927 }

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



CAMBRIAN TO DEVONIAN OR OLDER

LOWER CAMBRIAN TO MIDDLE DEVONIAN OR OLDER

LAHDEAU GROUP (IPsc to IPigr)

BROADVIEW FORMATION (IPaC, IPas):

IPac Limestone, grey phyllitic limestone and grey phyllite

IPBI 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

IP*q AJAX FORMATION: grey quartzite

IPrp TRIUNE FORMATION: grey to black siliceous phyllite

IP'AS TRIUNE, AJAX, SHARON CREEK FORMATIONS: undivided

INDEX FORMATION (IPiv to IPigr)

Green phyllite, limy green phyllite, greenstone

Phyllitic and arenaceous limestone; minor grey phyllite

IP'lp Grey and light green phyllite; minor phyllitic limestone and quartz grit

IP'gr Quartz grit; minor gritty phyllite

IP'S Undivided: grey phyllite, siliceous phyllite, gritty phyllite, phyllitic grit, rare quartzite

Undivided: green phyllite, limy green phyllite, greenstone

IP'IC Undivided: limestone, phyllitic limestone

CAMBRIAN

LOWER CAMBRIAN

BADSHOT FORMATION: Grey and white limestone

HADRYNIAN (WINDERMERE) AND/OR CAMBRIAN

HADRYNIAN (WINDERMERE) AND/OR LOWER CAMBRIAN

HAMILL GROUP (IPep to ICMGO)

MOHICAN FORMATION (IP'p, IP'v, ICMC):

light brown phyllite, micaceous quartzite; minor limestone

Green phyllite, minor grey phyllite and limestone

White to light grey limestone

HARSH ADAMS FORMATION: white, grey and brown quartzite, phyllitic quartzite; minor grey and black phyllite

IP'Gq GAINER FORMATION (IPMGq, IPuGV): white quartzite

IP'Gy Green phyllite, greenstone