

Schroeter, Tom EM:EX

From: Cathro, Mike EM:EX
Sent: Thursday, July 27, 2000 3:01 PM
To: Adams, Rick EM:EX
Cc: Britton, Jim; Brown, Derek; Lefebure, Dave; Ludwig, Allan; Madu, Bruce; McArthur, Gib; Payie, Garry; Schroeter, Tom; Houle, Jacques; Lane, Bob; Wilton, Paul; Wojdak, Paul
Subject: Cathro Weekly to 7/27/2000

Dobbin (Verdstone/Molycor) - On 7/25 G. Nixon, D. Lefebure, T. Schroeter (all GSB) and I examined core and surface exposures of this interesting Cu-PGM prospect located near Whiterocks Mountain north of Westbank. Nixon is just beginning a mineral deposit study of PGM occurrences in B.C. and Dobbin is a good example of mineralization associated with a multiphase, Jurassic-aged, mafic-alkalic intrusive complex. Chalcopyrite and pyrite occur in stockwork veinlets and as disseminations in magnetite-rich hornblende pyroxenite and biotite pyroxenite. The veinlets also contain epidote, calcite, quartz and rare garnet. Other intrusive rocks present are quartz diorite, leucocratic quartz monzonite, and hornblende gabbro.

22 holes were drilled on the Dobbin prospect in 1997, of which 10 holes had intersections of low-grade Cu-PGM mineralization. The best hole hit 111 m grading 0.19% Cu, 0.410 g/t Pt and 0.352 g/t Pd (approx. \$18US/tonne gross in situ metal value at today's prices) which included 15 m grading 0.54% Cu, 1.316 g/t Pt and 0.949 g/t Pd (or \$US52/tonne gross). In that program, only one assay was done for Iridium (current price \$US 400/oz) and returned 0.11 g/t, and perhaps more importantly, **no assaying has been done for rhodium** which currently sells for about \$US2400/oz. Unfortunately, despite the encouraging results and the current worldwide exploration boom for PGMs, the joint venture partners have so far been unable to raise funds for exploration this year.

Brenda Mine (Noranda) - Brief tour of the pit and water treatment plant on 7/26 with Nixon et. al. The main purpose was to view the mineralization and compare it to low-grade Mo-Cu mineralization which occurs in felsic intrusive rocks near Dobbin. The Brenda ore is notable in its extremely low pyrite content, very minimal alteration (propylitic and minor potassic) and the small amount of quartz in the veins, relative to most porphyry deposits. In these regards, it has some similarities to the Fort Knox gold setting.

Elk (Fairfield Minerals) - brief tour (7/26) with T. Schroeter and Wojtek Jakabowski (project geologist) of this intrusion-hosted, mesothermal gold-quartz vein property located 30 km west of Brenda. Fairfield is in the midst of a 14 hole, 1200 m drilling program, which is focussed on extensions of the main Siwash North vein (52,000 oz produced between approx. '93 and '95) and the Gold Creek West area. Mineralization consists of narrow (30 cm) quartz-pyrite veins hosted in granodiorite and quartz monzonite of the Early Jurassic Osprey Lake intrusion.

Afton (DRC Resources) - Good results released for hole 4 (e.g. 190 ft of 2.76% Cu equivalent plus 610 ft of 2.82% Cu eq.) Assays are awaited for Holes 5 and 6 which are reported to have hit the zone over 884 and 882 ft. respectively. The \$5 million financing has still not closed (was to have been the 19th) and there is a rumour that they have stopped drilling.

PAP updates - Despite having 2 disks removed from his back less than 6 weeks ago, **Camille Berube** has found an exciting new prospect near East Barriere Lake, consisting of 1-2% disseminated pyrite-pyrrhotite in massive magnetite-garnet-pyroxene skarn. The skarn is reported to occur over 60 m width in a roadcut and Au assays are eagerly awaited. Additional staking is underway. This new prospect occurs in the headwaters of a creek which had two sites with anomalous Au, Bi and W in Ray Lett's recent stream geochem release (Open File 2000-23).

Mike

Mike Cathro
 Regional Geologist, Kamloops
 BC Ministry of Energy and Mines

tel: (250) 828-4566 fax: (250) 828-4726