



August 24, 1993

COPY

FILE: HOWELL CREEK

John F. Childs, Ph. D
Consulting Geologist
501 East Peach Street
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Dear John:

RE: **A GEOLOGICAL SUMMARY OF SIGNIFICANT LODGE GOLD SYSTEMS IN MONTANA - SME PREPRINT # 93-244**

In working in the **Flathead** (south east of Fernie) area of southeastern B.C. on **alkalic** related gold systems (porphyry/vein stockwork/carbonate replacements/base metal mantos and auriferous breccias and diatremes), I was made aware of a recent publication by you (as noted above). I would very much appreciate receiving an autographed copy, if possible (unfortunately, I am not a member of SME and have not had the freedom to network over the past few years like I had in the past).

Basically in the area, I am looking at a number of alkalic (alkali feldspar to nepheline) stocks, dykes and sills of Cretaceous age (100Ma) which intrude Proterozoic Purcell Group clastics (Roosville Fmn. equiv?), Paleozoic carbonate and clastic rocks (Flathead, Elko Fmns. and Rundle Group), Mesozoic clastic sequences and coal.

Alteration around the breccias and intrusive units include widespread pyritization and carbonatization of the intrusions, silicification and argillization of wall rocks, and vein stockworks of quartz, adularia-quartz and barite-flourite. Anomalous concentrations of gold, silver, and base metals are associated with both the intrusions and hydrothermally altered wall rocks. To date, only pyrite (auriferous?) has been identified (local float to 524 gpt Au); no testing for tellurium; and geochemically anomalous Sb, As, Pb, Zn, F, Ba, and Mo. Perhaps we can discuss further at NWMA?

All the best.

Yours sincerely,

Tom Schroeter, P. Eng
Senior Regional Geologist

TS:mch