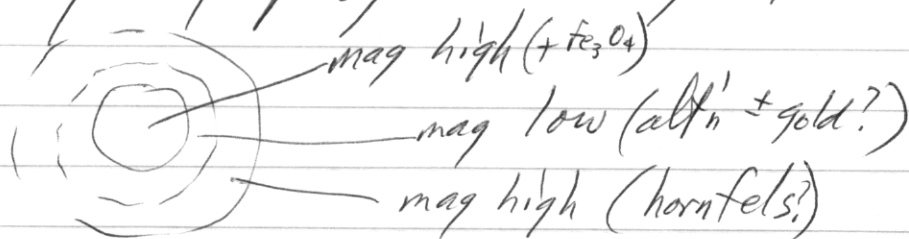


880315

Nov. 16/89

BALL CREEK104G/8W
104G 018, 070, 042

- talk with John Kowalchuk (Placer Dome)
- Rein Turna (ex-Lac Minerals → Hunkin Peak) - Project Geol.
- found all old core (Great Plains / Chertan) - all
drilled with Kspar (central) alt'n zone (+ MoS_2)
- 1989 work defined large geophysical signature
eq.



- host volcs. = early Sur. (Hazelton Gr.)
- gold geochem values in soils to 600 ppb
- good polymetallic (base metal) anomaly to south
- main zone(s) of interest are on rusty 'plateaus' (above free line)
- drill targets identified

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BALL CREEK

- por-type, low-grade polymetallic Cu-Au-Ag-Mo
- in extensive fault-dissected, rusty weathering pyritic zone assoc. with a number of small monzonitic fsp por. ~~intr.~~ + felsite intr.
- small amts. of cpx, sec. Cu mins., + MoS_2 widespread in frac. catn. + rarely dissem. in volcs. + fsp por. intr. - some gtr. stekuks.
- area 1st exam. in 1963 as MoS_2 cl. / Then Great Pls.
- host rx. - Triassic indicated

Age - 218 ± 24 my!

Structure - gently E-plunging anticlinal fold

~~800~~ - 2 main sets of steeply dipping NW + E-NE faults have dissected area into fault-bounded blocks.

Min - large py. zone.

- cpx, MoS_2 , ZnS, PbS, po, bn

- most Cu present as secondary min.

- oxidation deep i.e. > 400 ft. Sec. enrich ~~not~~ negligible

Est. Grades Cu ~ 0.1%

Au - 0.01 to 0.02 !! g/tn

Ag - 0.05 + 0.10 g/tn

MoS_2 - insig.

Geol. Env. - high-level extrusive-intrusive centre during L. Trias.
- coeval volcs + intr.