

potential for Au

meinert

skarns produced about 1/4 million oz Au from 11 million tons of ore between 67 and 82

Hureau estimates 10 MT tailings contain 50 000 oz Au (up to 8 on/t in places)

strong correlation : Ag correl w bn/cc/epidote, Au correl w cp/act

Cu-Ag both in pro and retrograde but highest grades occur in zones of strong retrog alt and sulph introduction

Au restricted to zones of retrograde alteration and sulphide introduction.

Hureau April 1985

Au as free au in Cu-skarns, best in mt-serp skns in central belt

Arctic chief best gold grades: 0.5-1 oz/t Au, 1 oz/t Ag for 2% Cu

Little chief undiluted reserve grade :04 oz/T Au (1.36g/t), 2.32% Cu, 0.042 on/T ag

estimated 50 000 on Au in 10 MT of tailings

North Star and Arctic Chief: potential at depth for large tonnage (>10MT) Cu dep. 1400' for NS, 1500-2000 for AC

Grafter: GR-8: 1.29% Cu, 0.026opt (0.89g/t) Au , ,0.38opt (13.24g/t) Ag

No Pueblo and s of copper cliff: low potential (for au?), Between Spring ck + Pueblo still unknown

Mt serp skarns higher in Au, calc-silicate skn lower Au higher Mo

Au higher in central part of belt

The 1987 drilling at Kodiak Cub intersected massive magnetite-serpentine-bornite skarn that assayed 2.9% Cu, 4.46 g/t Au and 21.3 g/t Ag over 4.63 m.

In 1990, drilling by Aurora Gold near the old Grafter workings intersected 30.5 m of copper mineralization averaging 1.49% Cu, 0.38 g/t Au and 6.2 g/t Ag. The mineralization coincides with a north-trending IP anomaly. Trenching by B. Wallis near the Rabbit's Foot shafts exposed 6.1 m of coarse garnet-epidote skarn strongly mineralized with bornite and chalcopyrite. A chip sample from one of the trenches east of the shafts averaged 5.83% Cu over 0.9 m.

). The best ore zones have a limestone hanging wall and a quartzite or silicate skarn footwall and appear to develop where limestone-quartzite contacts are within 90 m of, and parallel to, an intrusive margin.

Magnetite concentrates contain 0.01 to .06% gallium.

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- 1 P Pueblo, 1971, Sarge? John Baird

- 1 P, Walcott 1978

- maps in pocket & Walcott ^{to accompany} report May 78
1" - 100' map Oct 77

maps ~~#2~~ W-249-1, 2, 3, 5