

SCHAFT CREEK

Location: 40 km SE. Telegraph Ck. - few hundred metres east of Hickman Bath

History: Disc. - 1957 > 34,500 metres ddh

Age: 182 my

Geology: - East of Hickman Bath - country r.t. contact for a length of 2100 m, width of 1200 m & ddh to 1000 m deep.

- host rx. - <sup>isotropic</sup> <sup>northerly</sup> <sup>structure</sup> Upper Trias. volcs. - alt'd ands., epiclastic volc., dyke-like felsic por
- 2 Major Zones - (i) Breccia Zone - steeply dipping irreg. zone of intr. + tectonic bx - 30m X 1000 m. - Resulted from sudden release of volatiles from 1 or more felsic por. bodies intruded along a zone of structural weaknesses bounding west side of Main Zone.
  - mylonite + gouge + intr. bx. - mixed volc. & intr. rx. in dk. matrix of chl, gtz, tour., hem., & sulphides - contacts sharply defined
  - strong alt'n, intense def'm'n., lack of markers, low etc
- ii) Main Zone - 500m X 1000 m. Fault + frac. zones appear to merge upward into main zone. = upward-migrating, metal-rich, hydro fluids

Mineralization: bn, cpx, MoS<sub>2</sub> in (i) Breccia (ii) Main - alt'd volcs + felsic por

- 2100 m length X 1200 m width X 1000 m deep.
- bn zone overlapped by broader zone of cpx + MoS<sub>2</sub>
- related to dyke-like felsic intrusions

Alteration: - well devel. K-silicate zone with sec. brown bio + K sp. per.

- propylitic zone - chl. + carb + actin + epid.
- gypsum + anhydrite
- pyrite halo.
- gtz. stnk = best Cu in K-silicate zone.

Reserves: 330 m. tonnes of 0.40% Cu + 0.036% MoS<sub>2</sub> + .32ppm Au + 1.5ppm Ag

Stripping ratio 1.5:1

Hypothesis: (Linder, Seraphim, ASG)  
- syngenetic, strata-controlled  
- linked to near surface volc. activities = "volcanogenic"

# SCHAFF CREEK

Aug. 3/05

- chat with Guy Salazar, Pres. Copper Fox Metals (+ Murray?, CFO)
- CJL Enterprises (Lorne Warren) - contractor
- 6000-m (P-size) drilling planned (Hy Tech) - all at lower elevation. Plan to fly small cat into property, using me of helicopters from Galore Ck. project
- Loring Labs (Calgary) - assays
- In-house studies - av.  $\sim 0.9\%$  Cu Equiv ( $\sim 440 \text{ mt}$ )
- IRR: 10 - 37%
- \$1M in bank; plan to raise another \$2M in Calgary this fall
- 'Direct' flights to property (airstrip) from Smithers
- Relations with First Nations? Unfortunately, no MOU (as most other mining co. have) with Tahltans (i.e. pot. 'problem' - co. dragged feet?)

① TOURMALINE - submarine rx. - 'tourmalinites'  
Ex. Sullivan - footwall 'feeder zone'

② ~~MT. Sydney-Williams~~ - ~~CANCELLED~~

② ~~Gabrielle~~  
Styvestre allocthane onto migroclens  
- Slide Mtn ocean

Kutchu Fault  
Testin Lin.

Stikinia terran thrust on Cache Cr. ~~terrains~~  
- collision heralds beginning of Bowser Basin  
- eastern belt well defined (not so for west)

Coast Plutonic Complex - met'am equiv. of  
Stikinia terran?

"Exotic" terrans in NWBC



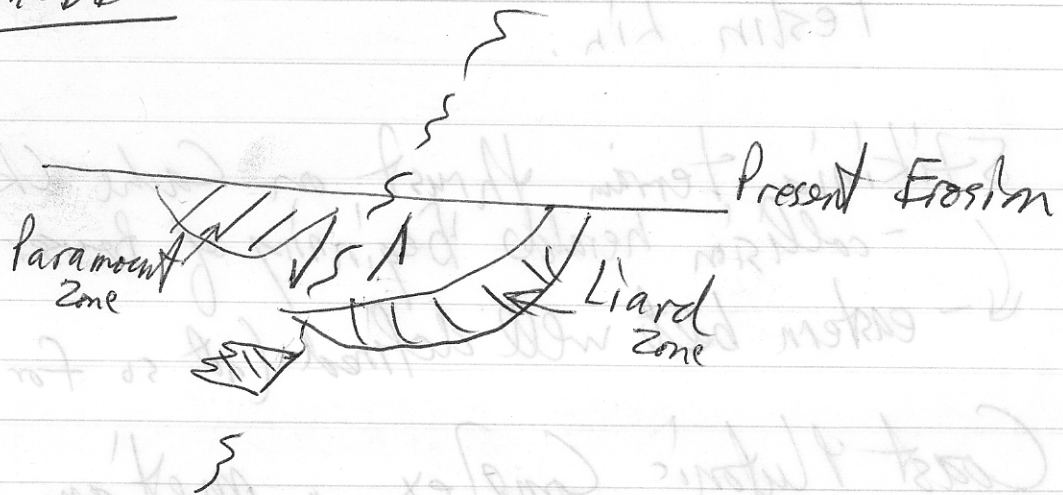
GAC - Victoria  
May 14/83

③ Schaft Ck. Paramount Zone (NW)  
Liard Zone (E)

.004 g/t Au      1 billion tons.  
.035 g/t Ag      .3% Cu + Mo

- Sig. Journaling in bx. zones in both zones  
(i.e. closer to centre of systems)
- No handle on Au + Ag distribution wrt model

MODEL



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- ④ Ririe: Colorado Mineral Belt
- Reactivated fractures: - evidence - Rose diagrams, etc.
  - need area with rx. of many diff. ages.