

Bag 5000, Smithers, B. C. VOJ 2N0

ALL GEOLOGICAL STAFF/MINERAL POLICY

February 18, 1986

RE: MEG TALK - CONGRESS PROPERTY (Bridge River Camp)

On Wednesday, February 12th, I attended a MEG Meeting during which Brad Cooke discussed Levon Resources'/Veronex Resources' CONGRESS project, located in the Bridge River gold 'camp'.

HISTORY: Ground held by individual for past 27 years.

- 1913: Sb ore mined
- 1970: Howard Vein discovered
- 1984: Lou Zone discovered and 8 prospects identified on CONGRESS property
- 1985: 5,000 ft. percussion drilling + 12,000 ft. diamond drilling

GEOLOGY: Thrusting of island arc rocks easterly over or onto back-arc basin rocks.

- host rocks mainly Bridge River sedimentary and volcanic rocks, and 'porphyries' (mainly basic)
- serpentinites locally present
- feldspar porphyries contain olioclase phenocrysts
- right hand strike-slip movement along faults

ALTERATION: Ankerite, sericite, quartz, kaolinite

MINERALIZATION: Sulphide-bearing replacements along shears (> 20% sul.)

- broader widths, lower grades, i.e. open pit targets also?
- stibnite, arsenopyrite, pyrite + breccia

METALLURGY: Very rare visible gold

- mainly arsenopyrite (potential problem?)
- gold is extremely fine grained (potential problem?)
- several 'met' tests completed and still underway including bacterial leaching (91% rec. - Au; 56% rec. - Ag.), and arsenical recovery system up to 97% rec. for gold

GEOCHEMISTRY: Sb 5 ppm up to 50 ppm

- Au and As
- biogeochemical sampling of Douglas Fir trees - successful

MINERAL ZONES: LOU ZONE - geochemical anomalies of 35 ppb Au and 350 ppm Sb

- oxide ore present also
- mineralization exposed over strike length of 1,800 ft. (4,900 ft. geochemical anomaly) + drilled off over 660 ft. for open pit potential
- one 45 ft. drill intersection assay 0.213 ounces/ton Au

HOWARD ZONE: 1600 ft. strike length drilled with an average width of 6 ft. (i.e. underground operation)

PAUL ZONE: Three ore shoots identified including a 600 ft. strike length on the footwall vein

- apparently two miles of underground workings

GEOLOGICAL RESERVES (uncut, undiluted)

Total: ~ 669,677 tons grading 0.24 oz/t Au including ~ 137,000 tons @ .073 oz/t Au - LOU ZONE (open pitable) and ~ 295,000 tons @ .33 oz/t Au - HOWARD ZONE

GENETIC MODEL: Some controversy - epithermal vs. mesothermal
(It sounds mesothermal to me.)

FURTHER STUDIES: GSC (under Ken Dawson) continuing studies in Bridge River camp, including isotopes.

Comment: In thanking the speaker, Ken Dawson made several references to his work in the area (past, present and future). It's too bad there was no mention of our proposed programs! I guess I'll have to work on that.

NOTE: These notes were completed prior to seeing article in GCNL (dated Feb. 6, 1986).

Tom Schroeder