

FIELD VISIT REPORT - 199
Explore B.C. Program

886906

Report By:	Date of Visit:
Property Name: Company Name: Phone: FAX:	<i>Office Use Only</i> File Number: Project Budget: Approved Grant:
Exploration Goal, Concept or Strategy: Work Completed: Work in Progress: Future Work (this season):	
GEOLOGY (local features/setting; deposit type; deposit features; etc. - see suggestions on reverse):	

RED-CHRIS (MI-104H006)

On September 14, 1995 Paul Wojdak, Bob Lane and I visited American Bullion Minerals' 25 person camp Red-Chris porphyry Cu-Au project. Hosts on site were Doug Blanchflower (Project Manager/Geologist) and John Deighton (geologist). Total exploration expenditures for 1995 are now estimated at \$6 million, due to an expanded \$2 million program announced in mid-August. At the time of our visit, over 80,000 feet of drilling in 70 holes had been completed; the total footage for 1995 is projected at 100,000 feet. This is the largest "exploration" program in B.C. in 1995. Two drills remained on site testing the Gulley and Far West zones, part of the Yellow-Chris zone on the western portion of the property. Mineralization on the entire Red-Chris property has now been traced over a strike length in excess of 4 km.

Drilling in 1995 has added 400 m of strike length to the Main zone, plus identifying potential reserves in the Gulley and Far West zones. At the beginning of the 1995 season, Flour Daniel Wright calculated mining reserves (based on 129 holes at a cut-off grade of 0.3% Cu within a 300 metre deep open pit) at 157 million tonnes grading 0.48% Cu and 0.37 g/t Au. Included in this resource were two near-surface, high-grade (i.e. potential starter pits) stockwork Cu-Au zones containing a geological resource of 100 million tonnes grading 0.58% Cu and 0.46 g/t Au.

Drilling in phase 1 during 1995 has increased the reserve base to over 200 million tonnes. (Note: the company believes 230 to 250 million tonnes is required); a target of an additional 80 million tonnes (based on 15 ddh to date) has been projected for the Yellow-Chris zone (Gulley and Far West zones) in the western portion of the property where drilling was in progress testing I.P. anomalies. Some of the highest gold grades are coming from this area. The deepest hole (@ - 60°) bottomed in 0.7% Cu at 812 m in the Main zone (i.e. have not bottomed out yet).

Mineralization occurs as both fracture-controlled and disseminated chalcopyrite, bornite and pyrite within a host-intrusive, plagioclase-hornblende monzodiorite porphyry (Red stock). Higher-grade values are associated with a central quartz stockwork. Potassic alteration increases with depth, and mineralization becomes increasingly bornite-rich. Gold to copper ratios tend to increase as well, from 0.8 to 1 at surface to 1 to 1 at depth. The significant depth presence of gypsum (pre-mineralization) is suggestive of a relatively high-level porphyry system. Alteration is characterized by an early carbonatization (pervasive ankerite, pre-quartz veining) and fracturing of the Red stock.

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Some Suggested Headings

GEOLOGICAL CHARACTERISTICS

Summary Description of Prospect / Showing:
Tectonic Setting:
Depositional Environment or Geologic Setting:
Age of Mineralization:
Host Rock Types:
Associated Rock Types in area:
Deposit Form:
Ore and Gangue Mineralogy:
Alteration Mineralogy:
Ore Textures:
Ore Structures / Structural Controls:
Other Comments:

ECONOMIC FACTORS

Major Commodities (and By-Products):
Reserves, Best Grades or Intersections:
Logistics / Access:

EXPLORATION GUIDES

Deposit Type (and Synonyms):
Associated Deposit Types in area:
Ore Controls:
Genetic Model / Process:
Geochemical Signature:
Geophysical Signature:
Other Exploration Guides:

GEOLOGY (continued):

The East zone has been traced over a width of 250m wide and over a vertical depth of >600 m. Bornite content averages at 70%; pyrite at >1%. In the Main zone, chalcopyrite is dominant (80%) and pyrite content is >1%. In the Gulley zone, chalcopyrite dominates (95%) pyrite content is >2% and the Cu:Au = 1:2. In the Far West zone, pyrite content is >5%; the Cu:Au ratio is up to 1:3.

Post mineral dykes represent approx. 5% of the mineral resource (i.e. 60,000 tonnes). The proposed 2 starter pits (one on the East zone, one on the Main zone) total approx. 80 million tonnes averaging 1.0% Cu and 1 g/t Au - representing a potential 3-year payback.

'Typical' geochemical signatures in mineralized rock include 10-15 ppm Ag, 80 ppm As, and 6 ppm Hg. We examined selected core boxes from both the 1994 and 1995 drilling. Drilling costs (all inclusive) are estimated at \$52/ft. We flew over the proposed exploration (tote) road; unfortunately, the company was still awaiting government approval (principally from MOE). We surmised that there should not be any problems which should delay permitting.

(TGS COMMENT:) this project has significantly advanced to the pre-feasibility stage, due by years' end. Certainly one of the most significant exploration success stories in 1995!
(EXPLORE B.C.)