

Property name *Stock, Lorne, Etc.* Author *R. V. Kirkham*

Mining division *Omineca*

Coordinates *54° 127° N.E.*

Geographic location *The claims lie at elevations of 4000 to 6,000 feet at the head of Winfield Creek on ridge about six miles north of the Selkwa River.*

Claims *74 claims, Stock, Lorne, <sup>Larry, Martin,</sup> Saddle, Table, Premier, Don, and Ken groups*

Access *About five miles by jeep road from the B.C. Telephone ~~at~~ microwave station at the head of Cumming Creek.*

Owner *Copper*

Operator *Copper Queen Explorations Limited  
1690 West Broadway,  
Vancouver 9*

Metals *copper, silver*

Work done *Some bulldozer stripping was done on Table no. 3 claim and some mineralized rock made old adit*

References *Minister of Mines, Ann. Rept., 1961, pp. 18*

Description *The area is underlain by red, purple, and grey tuffs and flows of the Hazelton Group. They are probably mainly dacites and andesites. In the vicinity of the old workings they strike  $\pm$  north 25 degrees east and dip 25 degrees southeast.*

*On the Stock number one claim there is an old shaft <sup>at 5250 feet elevation on a ridge looking the west branch of Winfield Creek</sup> and an adit. Both are presently caved and inaccessible. Chalcocite, bornite, digenite(?) and chalcopryite occur along fractures and in calcite veins related to a fault zone that strikes approximately south 60 degrees east and dips <sup>about</sup> 75 degrees southwest.*

*Chips samples <sup>taken in the vicinity of this outcrop</sup> of weathered outcrop gave the following results:*

Location	Width (feet)	Gold (ounces per ton)	Silver (ounces per ton)	Copper (per cent)
1. above the adit	8	nil	trace	0.33
2. 15 to 30 north of adit	15	nil	trace	0.45
3. 30 to 45 north " "	15	trace	trace	0.31
4. above the shaft <i>includes pinch band of high grade chalcocite, digenite, bornite</i>	12	trace	0.5	3.40

About  $\frac{3}{4}$  of a mile south of the old workings <sup>have been exposed in bulldozed</sup> occur ~~some~~ bornite, chalcocite <sup>in</sup> and <sup>oxidized</sup> digenite (?) <sup>precipitates and disseminated in amygdaloidal</sup> <sup>fractures along a fault zone</sup> between light grey, spherulitic, flow layered felsite and <sup>purple</sup> amygdaloidal lava <sup>the fault</sup> strikes south 50 degrees east and dips 75 degrees southwest. <sup>material from the fault zone</sup> A chip sample <sup>taken across fault</sup> of weathered <sup>material</sup> assayed: Gold nil, silver, trace, copper, 0.33 percent.

About  $\frac{1}{4}$  mile <sup>for specimen no. 5</sup> south there is another occurrence of <sup>minor amounts of</sup> chalcocite (?) and malachite along fractures in detached and altered <sup>siliceous</sup> volcanic rocks. The rock contains  $\frac{1}{2}$  to 2 inch clots of calcite. This fault or fracture zone also strikes about south 50 east. <sup>During the course of regional mapping</sup>

Besides these occurrences <sup>the writer has</sup> also found a few specks of chalcocite <sup>pyrite in 2 to 4 foot</sup> tuff horizon exposed near a small lake about  $\frac{1}{2}$  mile northeast of the old workings. <sup>Although concentration</sup> of copper in these ~~same~~ horizon <sup>must</sup> be extremely low it is interesting to note that no fracture controlled mineralization <sup>was observed at this</sup> locality <sup>when the sample was</sup> collected.

From the above assays it can be seen