802501

Property name Stock, Lorne, Etc. (formerly Copper Queen) Author R. V. Kirkham

Mining division Omineca

Coordinates 54° 127° N.E.

Geographic location The claims lie at elevations of 4,000 to 6,000 feet at the head of Winfield Creek on a ridge about six miles north of the Telkwa Rivers.

Claims 74 recorded claims - Stock, Lorne, Lang, Martin, Saddle, Table, Premier, Don, and Ken groups

Access About five miles by jeep-road from the B.C. Telephone microwave station at the head of Camming Creek.

Owner

Copper Quest Explorations Limited
1690 West Broadway,
Vancouver 9

Operator

Metals copper, silver

Work done Some bulldozer trenching was done on the Table no. ~~two~~ 3 claim.

References Minister of Mines, Ann. Rept., 1961, p. 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 north 25 degrees east and dip 25 degrees southeast.

On the Stock no. ~~one~~ 1 claim at 5,250 feet elevation on a ridge overlooking the west branch of Winfield Creek, there is an old caved shaft with a caved adit and large open cut about 200 feet below it. At these localities chalcocite, bornite, digenite(?), and chalcopyrite occur along fractures and in calcite veinlets related to a fault zone that strikes approximately south 60 degrees east and dips about 75 degrees southwest. Chip samples of weathered outcrops taken in the

vicinity of the old workings gave the following results:

Location	Width (feet)	Gold	Silver (ounces per ton)	Copper (per cent)
1. above the adit	8	nil	trace	0.33
2. 15 to 30 feet north of the adit	15	nil	trace	0.45
3. 30 to 45 feet north of the adit	15	trace	trace	0.31
4. above the shaft*	12	trace	0.5	3.40

*-includes a 10 inch band of high grade chalcocite, digenite(?), calcite stringers

About three-quarters of a mile south of the old workings on Table no. ~~three~~ 3 claim, bornite, chalcocite, and digenite(?) in veinlets and disseminated in amygdules have been exposed in trenches along a fault zone between light grey, spherulitic, flow layered felsite and purple amygdaloidal lava. The fault strikes south 50 degrees east and dips 75 degrees southwest. A chip sample taken across five feet of weathered material from the fault zone assayed: Gold, nil; silver, trace; copper, 0.33 per cent.

About one-quarter mile farther south on Table no. ~~five~~ 5 claim minor amounts of chalcocite(?) and malachite occur along fractures in bleached

and altered, maroon, siliceous volcanic rocks. This fault or fracture zone also strikes about south 50 degrees east.

During the course of regional mapping in the area the writer found a few specks of chalcopyite and pyrite in a two to four foot, cherty tuff horizon exposed near a small lake about one-half mile northeast of the old working. Although the concentration of copper in this horizon must be extremely low, it is noteworthy that no fracture-controlled mineralization was observed at this locality when the sample was collected.

Property Report (R.V.K.)

Recorder -

Date - July 5/1970

Property or Mine Name - Copper Queen

Owner and Operator -

Metals -

Reserves (Published grades and tonnages) -

Location - 1. Prov. or Terr. - B.C.

2. Mining Division, Township, County, District, etc. -

3. N.T.S. - 93L/11 Lat. - 54°41' Long. - 127°28'

Access -

History - 1. Exploration (dates, trenching, drilling, underground, geochem, geophys, geol., etc)

2. Production (dates)

3. Present status

References -

Geology 1. General Deposit Type (vein, stockwork, breccia pipe, fault zone, stratiform, massive replacement, etc - strike and dip)

2. Mineralogy-(zoned, crustiform layering, etc. - actual or relative %'s)

- primary

- secondary

3. Host Rocks (age, lithology, structure, metamorphism, alteration - % ore in contact with various rock units - fault and bedding strikes and dips, etc.)

4. Regional Tectonic Setting -

5. Age of Host Rocks, nearby Rocks, Ore & Metamorphism (palaeontological and radiometric) -

6. Assay Data - (i.e., precise chemical information) -

7. Trace Element Data -

8. Silicate Analyses -

9. Isotope Data -

10. Miscellaneous -