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Final Report  
BEAVER MOUNTAIN PROJECT

June 22, 1971.

M.R. Wolfhard

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SUMMARY AND CONCLUSIONS:

The only zone with ore potential has been adequately tested. There is no significant tonnage of ore grade rock on these claims. I recommend abandonment of the option.

WORK DONE:

The project crew left Vancouver May 15, and returned to Whitehorse June 9, upon termination of the project. During this period, a geologic and topographic map at 400 scale was constructed, claims were tagged, and about 970' of BQ core hole, (in two holes), was drilled. A special effort was made to leave a clean camp upon termination of the project.

RESULTS:

The geologic mapping indicated the presence of a composition zoned stock, 3,000' by about 15,000' in plan, intruding tuffs and volcanics. The outer rim is diorite, and composition of the interior portion grades through granodiorite to a central core of porphyritic quartz monzonite, cut by two or more 10' - 60' thick quartz-feldspar porphyry dikes. The dikes and the long axis of the intrusive trend about N55° W, roughly paralleling regional strike.

Approximately symmetric about the quartz-feldspar porphyry and the centre of the stock lies a zone of sericite alteration 400' x 5,000' in plan.

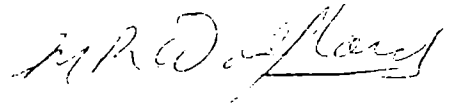
Within this zone, feldspars have been strongly softened and the texture of the rock has been modified. Pyrite occurs disseminated and with clay, quartz, and gypsum filled fractures. Chalcopyrite occurs with chloritized mafics, and with quartz filled fractures. Chalcopyrite has been irregularly oxidized and partially leached to depths as great as 100'.

Two vertical BQ holes spaced about 1,000' apart were drilled in the most strongly altered and best mineralized section of the sericite zone.

Hole 1, drilled to 470', averaged 0.11% Cu. with no 10' section running greater than 0.17% Cu. MoS<sub>2</sub> averaged 0.004%.

Hole 2, drilled to 492', averaged 0.15% Cu., with 100' from 60' to 160' averaging 0.27% Cu. MoS<sub>2</sub> averaged 0.002%.

These results confirm that no significant tonnage of ore grade rocks occurs on the Trudy claims, Beaver Mountain Project.



M. R. Wolfhard.

MRW/vmck

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