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MEMORANDUM

Date: December 9, 1977

TO: V. V. Jutronich
FROM: D. Tenney
RE: Cowley Park - Surface Drilling

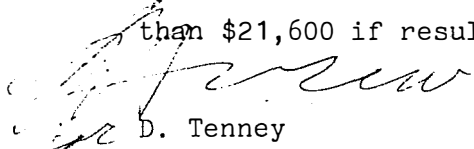
Further analysis of the Cowley Park deposit indicates that considerable (3 million tons) of low grade mineralisation (3/4% Cu+ traces molybdenite) may be found at relatively shallow depths. (Less than 400 feet). Hole CP-68 on section 75+50E shows the diorite contact has flattened significantly, and that the structure of the pendant is likely to be that of a wide flat-bottomed boat. These possible extra tonnages in addition to the undiluted ore reserve of 848,346 tons of 1.02% copper (.074% molybdenite, traces silver and gold) make the area an attractive drill target in spite of the relatively low grade.

The following holes are recommended in order:

- 1) 80+00E 44+50N -55N Depth 600 ft.
- 2) 75+50E 46+00N Dip -70N Depth 600 ft.
- 3) 79+00E 46+70N Dip -70N Depth 600 ft.
- 4) 73+00E 46+06N Dip -70N Depth 600 ft.
- 5) 75+50E 49+10N Dip -60N Depth 500 ft.

Hole # 1 should be drilled to test a moderate I.P. chargeability peak recorded next to the known Cowley Park deposit. Trenching across this anomaly uncovered minor amounts of copper on joints in the skarn. Hole # 2 should also be drilled (not necessarily in this order). Holes # 3, 4 and 5 are contingent upon the results of # 1 and # 2.

The cost of this drilling is expected to be about \$18.00 per foot for a total cost of \$52,000 (N.B. it may not be necessary to spend more than \$21,600 if results are discouraging).


D. Tenney

DT/lc