

DAVID MINERALS PROPERTY - MORRISON LAKE, B.C.

SUMMARY REPORT ON 1971 DRILLING

Late in June 1971 strongly anomalous I.P. zones on the David Minerals property were tested with a Model GW-10 "Winkie" drill.

Hole #1 was drilled at 120N,58W and is vertical. The hole is in overburden and/or highly broken bedrock to 20'. Total depth is 112'. The hole was abandoned short of the projected depth of 150' because of caving.

Rocks intersected are stratified intermediate composition tuffs or greywacke and mudstone with a slight silicification rather typical of the Jurassic rocks. The core is mostly lightly to moderately fractured, but the rock has been locally heavily fractured and cemented with quartz and/or pyrite. Bedding probably strikes NNW and dips steeply to the east. There is sporadic occurrence of a few percent disseminated and fracture-bound pyrite. Most of the pyrite is in harder and coarser sediments, but finer muddy sediments probably also contain very fine-grained pyrite. These mudstones are dark gray and may contain considerable graphitic material as well as pyrite.

Hole #2 is at 152N,64+30W and was drilled at S80°W, dip -48°. This hole intersected 6' of overburden and was mainly in dark grey mudstone with thin graded sandstone beds. Bedding is approximately normal to the core axis and graded beds indicate a sequence striking NNW dipping about 50° E with tops of beds to the east. As in Hole #1 the rocks contained a few percent disseminated and fracture-bound pyrite. The hole and the drilling program was abandoned at 116' due to equipment malfunction.

The origin of pyrite in the stratified rocks was discussed in the 1970 report and is considered to be mobilization of "background" sulphides by extreme diagenesis or low rank regional metamorphism. This hypothesis seems applicable to the core recovered in 1971.

In summary, there is no indication of a porphyry environment or local hydrothermal activity sufficient to consider the property worthy of further attention.

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