

COPY

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McNeil Enterprises - RUSTY GROUP
East Kettle River Area, Greenwood M.D., B.C.

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INTRODUCTION:

We were told about this property by Clint Hord, President of McNeil Enterprises of Penticton, B.C. Mr. Hord had in his possession a report written in 1969 by a Mr. Woodward, formerly Chief Geologist for the Shell Oil Company. The Woodward report mentioned the "universal" occurrence of chalcopryrite on the Rusty Group, and it was really his statement which prompted our examination. The examination was made by the writer accompanied by Clint Hord on September 20.

LOCATION:

The sixteen Rusty claims are located 20 miles north of Westbridge on the East Kettle River. Access is by jeep road three miles up the valley of the East Kettle River from the main highway.

HISTORY:

A series of shallow test pits have been excavated on the breccia zones. This work appears to have been done at least 25 years ago.

GENERAL GEOLOGY:

G.S.C. Map 6-19-1957 (Kettle River E $\frac{1}{2}$) indicates that the claim group is underlain by Paleozoic lavas locally known as the Anarchist group. On examination the lavas were found to be somewhat bleached and locally silicified. In the vicinity of the showings they are cut by northwesterly trending feldspar porphyry and diorite dykes. Near the dykes narrow breccia zones have been formed in an en echelon pattern.

MINERAL OCCURRENCES:

On Rusty 2 mineral claim there are 6 to 10' wide breccia zones adjacent to dykes of feldspar porphyry, and these are mineralized with pyrite, arsenopyrite and chalcopryrite. Visually these zones would assay between 1 and 2% copper. The volcanics themselves have rather ubiquitous pyrite making up perhaps 1% of the rock but the universal chalcopryrite described by Woodward was absent. Conceivably Woodward was confused by the brassy tarnish on the pyrite.

CONCLUSIONS:

The breccia zones contain interesting mineralization but in themselves are too narrow to be considered economic. Since disseminated chalcopryrite was not found, no further interest is advocated.