

003

EXPLORATION REPORT ON MT. BISCHOFF EXTENDED

---

1. INTRODUCTION

This report covers the same area as mapped by D. Anderson during April 1965. Full use was made of Anderson's mapping which was checked as often as possible.

Detailed mapping was carried out to determine more accurately the structure of the area with the added information of diamond drill holes B3 and B4 which were unsuccessful in striking lode material.

The object of the field mapping was to try and trace definite stratigraphic units across the area. In order to facilitate the mapping two long tracks were dozed out to try and obtain additional readings on rock contacts. In general the dozing of the upper track gave some good exposures but the dozing of the lower section failed to reach bedrock except at isolated points. A fire that swept through the area allowed a good deal more freedom in mapping and enabled rock boundaries to be followed with more certainty.

It was decided to run some geophysical traverses (self potential) across the area to determine the contact between the black shales and overlying quartzites and white shales. The results obtained from the point of view of defining the contact were disappointing but they did reveal the main fault pattern and have been of great assistance in the geological interpretation. There is still some doubt as to whether the self potential equipment was functioning correctly at all times but it is doubtful if a re-run of the traverses would be justified.

It should be noted that a considerable amount of surveying was carried out enabling a contour map to be prepared and true sections to be drawn