

MAR 19570007: BURMIS

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ECONOMIC MINERALS
FILE REPORT No.
FE-AF-008(02)

Blairmore, Alberta.
1st October 1957.

IRON PROSPECTING PERMIT NO. 8.

GEOLOGICAL REPORT

No. 8

The area covered by this Permit extends from Township 10, Range 2, West 5th Meridian almost directly north to Township 16, Range 3, W. of the 5th Mer. a distance of 36 miles. The area was covered by an aerial Magnetometer Survey when a distance of 520 line miles were flown. From the results of this flight several areas were explored by prospecting crews and geologists, and hand trenches were out and samples were taken. Results in the main were not considered very promising as may be evidenced from the following report made by Mr. Robert Steiner, Professional Geologist, in our employ at the time.

1st copy

The West Canadian Ore geologist also

Examined Crowsnest Volcanics exposed on Kananaskis Highway, North of Coleman. These volcanics consist of maroon shales interbedded by light brown tuffs. Within the formation are many volcanic bombs. ~~Within the formation are many volcanic bombs.~~ These bombs consist of hematitic jasper. They oxidize on the outside to a bright red rust. This is the rusty colour so prevalent in these shales. Some of the bombs were geode-like in structure, and contained fine tourmaline, quartz, calcite or magnetite crystals. The area warrants further examination, but thus far no commercial deposits of magnetite have been found, and only detailed prospecting may prove up some good ore. The Crowsnest Volcanics overlie the Belly River in this area.

2nd copy (new paragraph)

Since some float has been reported, it is quite possible that the magnetite beds found on the east side of the Livingstone Range may also be present on the west side, probably on the western flanks of the Kananaskis Valley. The beds examined were not highly deformed. Thus there is no complex structure indicated. However, the area is densely wooded in part, and in general, has a depth of overburden extending in some areas to more than 100'. This would make prospecting rather difficult. (Report by the geologist in employ of West Canadian Magnesia Ore)

2nd copy

The area examined is approximately in Tp 11, Rge 3, W 5th Mer.

the permit is carried out

To check on our findings a cross country helicopter survey was made to spot and locate outcrops. Nothing very promising was located. However, as the area covered by the Permit is quite extensive, it is easily possible that many ore deposits may have been overlooked.

(C)