

MOORE'S VALLEY AREA CONTD.

it is quite likely to be of a complex nature rather than just a simple fault line.

In summarizing, the position of the Lyell Shear, a north and south boundary fault on the eastern side and a line of faulting on the north-western side are postulated.

2. FAULTING UNDER TERTIARY COVER.

It can be seen in exposed regions that as a general principle, major faulting, with associated ultra-basic intrusives, closely follows but does not necessarily exactly fall on magnetic high trends. Also sharp breaking trends are associated with minor faulting. Provided it is not accepted as rigorous, this principle can be adopted in postulating fault trends under Tertiary sediments.

3. SOME RELEVANT DATA FROM AH.113.

An area to the north of AH.117 known as AH.113 has been surveyed aeromagnetically. A brief examination of these results provided the following information which is valuable for comparison.

Jukes greywacke conglomerate exhibited magnetic anomaly peaks of from 150 to 400 gammas, greywacke conglomerate (Cambrian-Dundas) from 200 to 250 gammas peaks. These conglomerates contain magnetite.

111. CONCLUSIONS AND RECOMMENDATIONS.

To some extent, conclusions have been implied and drawn at various stages through the report. There are in these records a vast number of conductive zones; an attempt has been made to investigate what have appeared the more interesting ones in at least a little detail.

Selection of Order of Priorities.

A distinction has been made between anomalies which are considered worthy of ground follow-up work in the near future (i.e. higher economic potential) and those which are considered to be mainly of structural significance. It should be appreciated that often such a line of demarcation is not only difficult to draw and artificial, it should be subject to continual review as further evidence, especially from ground surveys, comes to hand.

Hence this list should be considered as providing, in the opinion of the present writer, the most logical basis on which to regard and commence to investigate anomalies.