

- 2 -

computer treatment. Most of the better - looking anomalies appear to be genuine and not related to extreme variation of bird height, for example.

- some of the best E.M. response is in the J.V. area. Isolated anomalies occur in the north-central portion of our area but some are close to the J.V. and E.L. boundaries. Some anomalies here may be due to black shales.
- a conductor on 3-4 lines (approx. 600m) just east of the Burnie Road and approx. $\frac{3}{4}$ km north from the Burnie Road - Queenstown Road junction.
- a similar looking anomaly group just south of this road junction and actually striking across the highway near Misery Hill. This falls in the Amoco J.V. area; it was inspected on the ground and proposed to Phil Jones that we run a couple of lines of VLF-EM across it.
- no E.M. response was obtained on the two scout lines in the Howards Road area and it is likely that E.M. response is limited to the northern portion of the E.L. in any instance. However, two expected magnetic trends were defined.
- a S-E trending zone of magnetic highs is related to serpentinite about Razorback and probably continues further south. Some negative E.M. response here indicates high concentration of magnetite. A weak rather poorly conducting (high quadrature) E.M. anomaly occurs along the western margin of this zone of magnetic highs.
- other negative E.M. response coinciding with magnetic highs indicate spot concentrations of magnetite elsewhere in the E.L.
- there are only a few coincident positive E.M. and magnetic anomalies and these would appear to be the ones of particular interest, e.g. the possibility of being associated with pyrrhotite. E.M. anomalies without associated magnetic response and in particular the reverse situation, seem to be more common.
- the magnetic anomalies on the two lines in the Howard's Road area appear to indicate zones of ultra basics and/or geological contacts. This magnetic response was anticipated from the results of previous INPUT and ground magnetic work.

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