

Anomaly Q2

This is on strike from anomaly Q1 and is a lead anomaly. Input anomaly CAH is between anomalies Q1 and Q2.

Anomaly Q3

This is upstream from anomaly Q2 and is a lead-zinc anomaly, probably due to contamination from the Emu Bay Railway.

Anomaly Q4

This is a lead anomaly which was followed up by the Bulgobac No. 4 Grid. The soil sample results do not reflect the high lead values in the stream sediments. This anomaly is associated with interbedded shales and tuffs within the Mount Read Volcanics and may be on strike from the intravolcanic sedimentary basin identified in the Burns Peak Syncline of East Chester.

5. POTENTIAL OF AREA

- 5.1. The Tertiary gravels may have potential as a low grade tin deposit, but the thick basalt cover excludes it as a mining proposition at the present time.
- 5.2. The Mount Read Volcanics with interbedded sediments have potential for massive volcanogenic base metal sulphide deposits.
- 5.3. The interbedded tuffs and sediments of the Rosebery Group have potential for volcanogenic base metal sulphide deposits.
- 5.4. The contact between the older sediments and the greywackes on the east limb of the Just in Time Anticline has limestones which may be host to either Mississippi type base metal deposits or replacement hydrothermal deposits similar to Renison.

6. RECOMMENDATIONS

- 6.1. Anomalies H1 and H2 should be followed up by grid cutting, soil sampling, geological mapping, induced polarisation, self potential and magnetics.
- 6.2. The contact between volcanics and sediments, which