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south-east, and three more lines were cut north of the Pinnacles grid. All lines were mapped and sampled, and magnetics, SP and IP were completed over selected areas.

Two costeans exposed black pyritic shale on the eastern limb of a major syncline, the Burns Peak Syncline. The access track to these costeans uncovered disseminated sphalerite and galena (Leo's Find) in silicified sediments on the western limb of the Syncline.

A student, B. Beamish, completed an honours thesis over the headwaters of Boco Creek. Soil and chip sampling gave enhanced copper, lead and zinc values at the contact of volcanics and sediments. This contact has been interpreted as the strike extension to the mineralisation exposed at Leo's Find.

4. MOUNT BLOCK

Nine lines, each 2000m long and spaced 200m apart, were cut, surveyed and the A⁰ soil horizon sampled every 20m along each line. The grid has not been geologically mapped, and the assessment of the geochemical patterns will be postponed until the mapping is complete.

5. HEAZLEWOOD

Three lines of grid HAB in the Heazlewood drainage basin were mapped. Very little outcrop was seen, but most of the mapped area appears to be underlain by basic volcanics. The western part of the lines is interpreted to overly rocks of the Success Creek Phase.

6. MAGNET

An EM anomaly, centred at 200E 900N on grid BAB, was examined by a diamond drill hole which was collared at 200E 960N and inclined at -50° on a bearing of 150°M. No conductors were intersected, and the EM anomaly has been interpreted as being due to a deep lead in the Tertiary gravels below the Tertiary basalt cap.

7. RAMSAY

A road suitable for four wheel drive vehicles is being constructed along the eastern margin of the Meredith Granite to provide access to the Input anomalies in Exploration Licence 5/63 part 2. So far it has progressed 6 km of the estimated 10 km required.