

AUSTRALIAN ANGLO AMERICAN LIMITEDCOMSTAFF PROPRIETARY LIMITEDARTHUR RIVER - MAGNET AREA REASSESSMENT1. LOCATION

The Arthur River - Magnet area (EL 5/63 Part 1) is located north and west of Waratah on the Burnie 1:250,000 Sheet (SK 55-3).

The relevant 1:5000 sheets are 365410 C; 370405 A, B, C, D; 370410 A, B, C, D; 370415 A, B, C, D; 375410 A, B, C, D; 375415 A, B, C, D and 380410 A.

2. PHYSIOGRAPHY AND ACCESS

The area is thickly forested with deeply incised drainage. Despite the steep nature of the country soil cover is almost ubiquitous and geological outcrop away from the creeks is poor.

The northern half of the area has been heavily explored and access is adequate but should present a problem in the NW corner. A graded logging road gives access along the Arthur River.

3. PREVIOUS WORK

Arthur River, downstream from its confluence with the Waratah River, Deep Gully Creek and tributaries flowing in from the west were sampled by W. Herrmann during the 1972/73 stream sediment sampling programme. Then 5 grids were cut and sampled in the 1973/74 field season (See Tas. 2-442 for details) over areas considered interesting.

Besides specific exploration at Mt. Bischoff and Magnet Mine a large grid was cut and sampled east of Mt. Magnet. This covers the BAB anomaly which was recently drilled without success.

4. GEOLOGY

The basic volcanics/mudstone sequence which is closely associated with the ultramafic intrusion in the Heazlewood area strikes NE across the northern part of EL 5/63.