

EXPLORATION LICENCE 5/63

We hereby apply for renewal of Exploration Licence 5/63 over the existing area of 364 square kilometres for a further period of six months ending 30th June 1981. In support of our application for renewal we set out below a report on the work undertaken and currently in progress in the six months ending 31st December 1980. Also herein is our proposed work programme for the first six months of 1981 with expenditure and budget figures. Each section of the EL is discussed separately : summary plans, and copies of detailed technical reports are appended.

Work CompletedEL 5/63 Section 1 Arthur River (Plan TAS 2-2307)

An assessment of the potential for Sn bearing alluvials in the valley of the Arthur River was carried out. This assessment along with recommendations is presented herewith : "Preliminary Economic Assessment of the Arthur River Alluvials Prospect - EL 5/63 Tasmania".

The follow up prospecting programme in the Deep Gully drainage basin north east of Mount Bischoff was not completed during the winter months. It is hoped that the initial phase of this programme can be completed during the current period. Anomalous Sn values have been recorded in active stream sediment samples. It is considered likely that Bischoff dolomite and acid porphyry outcrop in the headwaters of this creek system.

EL 5/63 Section 2 Ramsay (Plan TAS 2-2300)

Geological mapping, geochemical sampling, geophysical surveying and grid cutting were carried out in the Ramsay area. Intensive prospecting in this sector is currently underway as part of the 1980-81 Summer field season. A detailed report on all phases of the programme will be compiled at the end of the season. Results of geological mapping, geochemical sampling and geophysical surveys carried out to date are presented herewith as an appendix "A compilation of results from work carried out in the Ramsay Area, EL 5/63 Part 2".

The skarn zone on CAF was further prospected by geological mapping and rock chip sampling. The skarn mineralisation is clearly defined by strong ground magnetic anomalies with coincident Sn, W and Cu geochemical anomalies. The zone remains open to the south, and extensions to the grid are planned.

The contact between the Crimson Creek Formation and the Ramsay sequence has been prospected from CAI northwards to Wombat Falls through CAJ, CAF, CAL and CAE. Additional grid lines have been cut, surveyed, mapped and sampled. This work is currently in progress.

In the region north of CAE where a major grid cutting programme is planned work is currently underway on following up stream sediment anomalies in Sn. Geological mapping, stream and heavy concentrate sampling and rock chip sampling are being carried out in the South Bischoff Area. Old workings are being sampled and mapped. Details of this project will be reported in the monthly reports to the Mines Department.