

**UNPUBLISHED REPORT 1968/28**

**North-Eastern Tasmania Granite Project — Proposed programme**

*by D. I. Groves*

**1968**

- A. Detailed geochemical investigation of Blue Tier drill core to test possible local variations in chemical parameters of the granitic hosts to tin mineralisation relative to enclosing granitic rocks.

**1968–1969**

- B. Regional mapping (2 miles:1 inch) of Scamander area and St Helens–Ansons Bay area to delineate broadly the main types of granitic rocks in the area, and to determine possible relationships of mineralisation to these rocks.

**1969**

- C. Correlation of type of mineralisation (Sn, Aa, Mo) with granite type on a regional scale, and correlation of position relative to granite margins etc. of mineralisation of varying types.
- D. Determination of sequence of intrusion and variation in chemical parameter of rocks associated with the varying types of mineralisation.

**1969–1970**

- E. Dependent on the results of A, to determine more specifically the local relationships of mineralisation to variations within the broad group of ‘tin-bearing’ granites.

**1970**

- F. If relationships are complex, which seems possible from a literature survey and a brief reconnaissance, to employ trend-surface analysis of the broad group of ‘tin bearing’ granites to delineate possible zones of anomalous tin concentration.

**1968**

- G. Study of distribution of trace elements in sulphides associated with each type of granite and each type of deposit (Sn, Ag, etc.).

**Distribution of Work**

	<i>LAUNCESTON LABORATORY</i>	<i>HOBART LABORATORY + UNIVERSITY</i>
A.	22 silicate analyses + separation work	Trace element analyses of 35 rocks + separation work.
B.	–	–
C, D and E	Up to 100 silicate analyses + separation work	Up to 100 trace element analyses + separation work
F	Several hundred partial analyses – 2 or 3 elements (Na, K, Mg)	Several hundred partial analyses – 2 or 3 elements (Sn, W, Rb)
G.	Some separation work	Several hundred analyses using atomic absorption equipment

*[11 October 1968]*