

provides a mineralogical basis for separating these Lottah Sheet granites (Fander 1980). The Anchor Granite is an alkali granite while the "barren Granite" is a micro-adamellite. The limited petrological work also suggests the micro-adamellite phase closely predates the Anchor Granite since there is, in the micro adamellite,

- i) evidence of the greisenizing phase which severely affects the Anchor Granite.
- ii) evidence of secondary albite which is thought to be a primary constituent of the Anchor Granite.

Relogging of drill core from the Anchor Mine area has led to the recognition of the micro-adamellite phase in holes along the south east perimeter. An often thick persistent fine grained (aplitic) unit has been identified between the Poimena Adamellite and the Anchor Granite. Limited petrological work shows similarity with the barren micro-adamellite phase but to avoid confusion with nomenclature, the unit is termed "Micro granite".

The Anchor Mine area geology is therefore resolved into three major granitic units, shown in Figure 1.

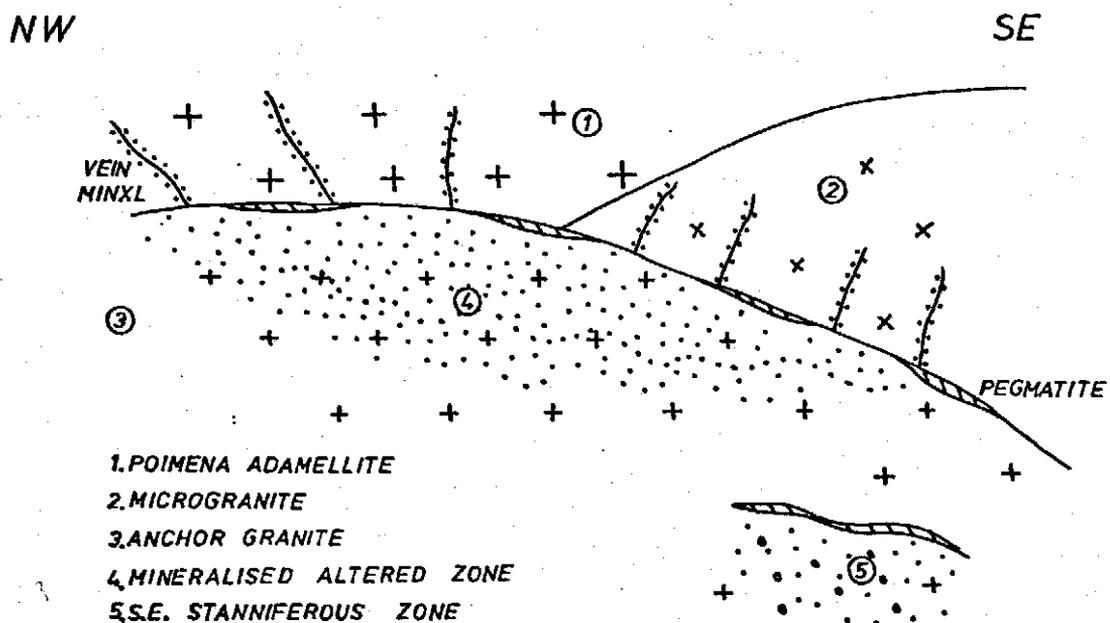


FIGURE 1. CONCEPTUAL DIAGRAMMATIC SECTION THROUGH ANCHOR MINE AREA