

UNPUBLISHED REPORT 1963/04

Description of a specimen collected near Burns Creek

by G. B. Everard

The following specimen was collected by geologist M. Longman near Burns Creek in the Launceston quadrangle.

62-432 — north of Burns Creek

The specimen is a dark grey rock consisting of a network of prismatic hornblende crystals, averaging 2 mm in length, the interstices being filled with feldspar.

In thin section the texture is panidiomorphic with prismatic crystals of brown hornblende and plagioclase. The hornblende is extensively altered to green chlorite and the feldspar is cloudy and sericitised. Unaltered plagioclase may show twinning and zoning. Extinction angles on albite twins average about 20° and indicate andesine. The extinction angles vary outwards through the zoned crystals to 0° on the peripheries indicating an andesine-oligoclase range. Some of the fresher feldspar is free from twinning but the refractive index is everywhere greater than that of balsam.

There is a little interstitial quartz, and apatite needles are common. Pyrite crystals are common.

The rock is a hornblende lamprophyre.

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