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Petrographic description of a rock specimen from Savage River

by G. B. Everard

The following description is of a specimen collected by T. D. Hughes.

66-106 — Pipe Line, Savage River

The hand specimen is a sheared, fine-grained greenish rock, weathering to give a pale-coloured crust stained brown in places by hydrated iron oxides.

In thin section the rock is a mosaic of fine-grained recrystallised quartz and feldspar, together with much chlorite and thickly disseminated crystals and aggregates of magnetite.

The feldspar does not show any twinning, but its refractive indices place it in the andesine–labradorite range.

Chlorite is in innumerable well crystallised plates and felted masses of plates, showing strong pleochroism and anomalous violet polarisation colours and is therefore pennine.

The rock is probably a hybridised one containing elements of chloritised amphibolite and quartzite.

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