

GE/2

26th April, 1960

MEMORANDUM

The following descriptions apply to rocks collected by Geologist Lloyd Matthews:

R3/62/11

Light cream coloured rock with pinkish bands which contain darker rounded spots. The banding is probably original bedding. A weathered face of the specimen shows a slickensided surface with movement at a high angle to the bedding.

In thin section the rock shows very fine banding, with some crumpling of the banding and injection of quartz veins.

The rock generally is a dense felted mass of sericite, enclosing minute grains of quartz or quartz and feldspar. The pink bands show a lower proportion of sericite and the darker spots are very fine granular masses of quartz containing even less sericite.

The specimen is a contact metamorphosed argillaceous rock, in which spotting due to segregation has occurred, but the process has not gone far enough for the production of new minerals.

Trowutta R3/61/14

Pale grayish, sheared, micaceous rock, somewhat granular and friable.

In thin section the rock consists of rounded grains of quartz in a sericitic matrix.

The rock is a fine grained quartz-sericite schist.

Trowutta R3/61/7-8

Fine grained sheared, dark gray rock, soft and micaceous.

In thin section it is a fine oriented mass of quartz and sericite with porphyroblasts of quartz and feldspar cutting across the orientation.

The rock is a very fine grained quartz sericite schist.

R3/62

Talus just to East of Camp 7. Greenish

The Director of Mines,

(20)

medium to coarse grained rock, showing crystals of felspar and hornblende.

In thin section the rock consists mainly of large plagioclase crystals. Hornblende is in much smaller amount, but sometimes partly encloses the plagioclase. Quartz has crystallised last in irregular interstitial masses. A little pyrite and magnetite are also present.

The rock is a diorite.



(G. Everard)
Mineralogist and Petrologist

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