

UNPUBLISHED REPORT 1964/26

Examination of rock specimens from Woodbridge

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Two rock specimens collected by Inspector Braithwaite at a quarry near Woodridge worked by the Kingborough Commission have been examined in thin section.

Specimen No. 1 is a mudstone, possibly of Permian Age. It is uniformly fine grained rock weathered to a pale reddish brown.

In thin section the rock consists of angular fragments of quartz, quartzite, quartz schists and etc. in a matrix of very fine grained sericite and opaque clay minerals stained with limonite. The quartz particles vary in size from 0.3 mm to 0.01 mm and smaller. The larger particles tend to be fractured.

Specimen No. 2 is a fine grained dolerite, and is stained a brown colour by iron.

In thin section it has an intergranular texture consisting of a network of twinned laths of plagioclase, averaging 0.3 mm long, with interstitial pigeonite and feldspar and a little disseminated magnetite and ilmenite. Enstatite occurs in small euhedral to subhedral crystals and muscovite is present as ragged plates up to 0.25 mm across in association with the other ferromagnesian minerals. The rock is evidently a contact phase of the dolerite, but free quartz, if present, is in very small amount.

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