

UR 1957/163

GE/2

15th August, 1957

MEMORANDUMPORPHYRY SAMPLE - LORINNA

The following petrological description applies to a specimen (Lorinna 8/8/57) collected by Regional Geologist I. Jennings and doubtfully identified as porphyry.

It is a fine grained pale greenish rock with a few pale thin irregular veins or bands.

In thin section the specimen is structureless, granoblastic aggregate of diopside and sericite. A small amount of yellowish-green tremolite-actinolite is associated with the diopside. Irregular small patches of felspar with wavy extinction occur with the sericite. This is probably orthoclase, but would be difficult to determine, owing to irregular shape and undefined optical properties. There are also occasional incomplete crystals of carbonate, probably calcite.

The rock is a hornfels. Either the original impure dolomitic rock has been incompletely metamorphosed or there has been complete metamorphism followed by alteration of the felspar.



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