

UNPUBLISHED REPORT 1964/18

Specimen collected in the Florentine Valley

by G. B. Everard

The following is a description of a specimen collected by Senior Geologist I.B. Jennings in the Florentine Valley.

The specimen is of a fine grained phaneric grey rock containing white crystals of felspar with pearly cleavage faces in a base of darker ferromagnesian minerals. Minute irregular brownish patches are scattered fairly uniformly through the rock.

In thin section the texture is intersertal with patches of dark brown glassy material in the interstices of felspar laths. Olivine is also very plentiful both as small rounded grains and as larger subhedral somewhat rounded crystals. Magnetite is common as thin, black, opaque, straight lines up to 1 mm long. It is associated with white opaque material, possibly leucoxene and may indicate the alteration of composite crystals of ilmenite and magnetite.

The rock is an olivine basalt.

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