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Description of a specimen collected at Kingston

by G. B. Everard

The following is a description of a rock specimen collected at Kingston by geologist W. L. Matthews.

In hand specimen the rock is fine grained and dark grey in colour, weathering to pale grey on exposed surfaces. An irregular banding is visible which may be due to flow. Occasional greenish phenocrysts of olivine about 1 mm across, and innumerable smaller lath-like crystals can be seen.

In thin section the texture is trachytic, consisting of lamellar twinned laths of feldspar averaging 0.25 mm long with intergranular augite and ilmenite-magnetite. Olivine, somewhat altered to serpentine, is plentiful as microphenocrysts, and there is much irregularly distributed, green pleochroic chlorite.

The rock is an olivine basalt.

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