

KR3344: (chloritised) biotite, (sericitised) plagioclase,
quartz porphyry

Field note: porphyritic rhyolite, quartz felspar biotite

Phenocrysts in this rock consist of subrounded and embayed quartz crystals (25-30%), rarely up to 10 mm; generally smaller plagioclase crystals (15%), lesser potash felspar (10%), and single biotite flakes (10-12%). The plagioclase is almost completely altered to (attenuated) patches of sericite; the biotite is virtually completely replaced by chlorite + titeriferous granules.

These components are randomly disposed through a fairly homogeneous, fine crystalline mosaic of potash felspar and quartz in similar abundance, lesser plagioclase, minor biotite. Accessory oxidised Ti crystals and clouded epidote are disseminated.

This rock is characteristic of the "Porphyry" category of rocks defined in report 2228.