

KR3619: potash felspar quartz porphyritic
tuff-lava, of ignimbritic affinities

Field note: quartz felspar porphyry ?(ignimbritic affinities)

Subrounded and corroded quartz phenocrysts (20-25%) up to 4 mm and smaller, euhedral potash felspar phenocrysts (7%), are randomly disposed through a micro-crystalline quartz mosaic crowded with fine shredded streaks and lenses of sericite. The quartz crystals are extensively stressed and some are recrystallised although there is no real cleavage developed in the rock. Thus this crystal deformation appears to be largely primary.

The groundmass is distinguished from all other fine quartz-sericite common throughout the suite, by virtue of abundant, crowded devitrified shards, producing an irregular eutaxitic texture, thus indicating a pyroclastic flow rock with ignimbritic affinities. (To have deduced this in hand specimen was brilliant.)