

KR3606: fairly coarse potash felspar-quartz
porphyry, almost certainly a rhyolite;
sheared and recrystallised groundmass

Field note: quartz felspar porphyry

Generally euhedral to lesser subhedral phenocrysts of quartz (15%) and potash felspar (15%) are randomly disposed through a sheared, recrystallised, and apparently relict flow textured groundmass. These phenocrysts are stressed and some are recrystallised along fractures.

The groundmass consists of small patches and lenses of diffuse microcrystalline quartz mosaic within compacted shredded streaks, and apparently attenuated, variolitic flow structures, composed of sericite, minor biotite and chlorite, clouded by ?titania dust. This groundmass is interpreted to have derived very largely from flow textured glass, more likely in a lava, than in a pyroclastic flow rock (although this cannot be proven.)