

KR3350: (7vitric) quartz crystal tuff with a
cleaved (sheared and recrystallised) sericitic
chloritic quartzose very fine matrix;
trace pyrite

Field note: rhyolitic quartz porphyry

Single, subhedral to subrounded and embayed quartz crystals (20%) are scattered in discontinuous but fairly definite layers. They have variable size up to 2 mm, some are broken. Minor small streaky lenses of fine chlorite, and trace euhedral pyrite crystals, zircon and Ti granules occur more or less within these same layers. Most quartz crystals are enveloped in a corona of recrystallised matrix-groundmass.

The bulk of the rock, essentially acting as host to these layers consists of fairly homogeneous microcrystalline quartz mosaic, with ubiquitous, fine, commonly oriented chlorite and sericite in variable but generally minor abundance.

The sericite is conceivably sheared and retrograded primary feldspar, but it appears to be insufficient to represent the amount and distribution of feldspar expected in an original rhyolite.

Although metamorphic textures dolinate this rock, the mode of occurrence of quartz crystals and lack of evidence of significant original feldspar, indicates an original quartz crystal tuff (in an altered glassy matrix) rather than a lava.

* Note this is at variance with the list of rock names sent to M. Rogers 16/11/77.