

KR1496: moderately sheared, crystal lithic tuff

Field note: crystal lithic tuff

This rock consists essentially of a loosely packed aggregate of single "volcanic" quartz crystals (25-30%), average size about 1.5 mm, also subhedral crystals of plagioclase (5-7%), potash feldspar (7-10%), of similar size. These are all stressed, slightly deformed, rarely broken and recrystallised.

These occur in a patchy, ultra-fine matrix of clays, quartz, sericite and potash feldspar. It is patchy, with minor variations in composition and texture reflecting a primary fragmental origin (including variations in the incorporated coarser quartz-feldspar crystals). Staining emphasises the patchy variations of potash feldspar crystals and matrix.

This heterogeneous texture is superimposed by an extremely fine sericitic cleavage.