

KR3302: (chloritic), sericitic quartz sandstone in which the quartz is derived from a volcanic source (?chloritised and sericitised reworked tuff)

Field note: dark green, fine grained, ?intermediate ?intrusive

This rock consists of a generally loosely packed aggregate of reasonably evenly sized single quartz crystal grains, average size 0.6 mm. These have a volcanic origin, as indicated by their subhedral and corroded outlines; they are stressed, some are recrystallised and locally clustered together into vague patchy aggregates.

On a macro- scale these grains appear to be vaguely layered (bedded). The matrix between the grains consists of a compact mass of sericite, with minor fine chlorite widespread and tending to immediately surround quartz grains, or fill narrow fissures between them + recrystallised quartz. Fe and/or Ti dust is dispersed. There are no relicts of former minerals within the sericite.

This rock is not an intrusive, rather it appears to be a sediment, composed largely of volcanic quartz - but not as a primary pyroclastic. It is identified as a reworked, quartz crystal tuff.