

KR3547: massive vitric lithic crystal tuff;  
sericitised (and silicified) matrix

Field note: tuffaceous sediment

This rock consists of a very loose, poorly sorted and random aggregate of generally angular, lesser subrounded and corroded quartz crystals (30%), extensively clouded, altered fragments of volcanic ?felsic glass (20-25%) and accessory fragments of cryptocrystalline silica (after glass).

These are randomly disposed through a matrix of diffuse micro-mosaic of quartz, crowded by a similar abundance of extremely fine shredded sericite, without any really distinctive development of metamorphic foliation. This matrix is interpreted to be largely derived from glass, as in many of the tuffs described immediately above.

This is a vitric lithic crystal tuff, rather more crowded with quartz crystals than most tuffs in this suite, but there is no evidence of reworking or 'normal' clastic detritus which may indicate 'sediment'.