

Sample No.	Classification - Composition	Fabric	Accessories	Central Mineralogical Services Comments
41932 (T.S. 42943)	"Dacitic" Tuff. Framework of sericitic plagioclase, minor quartz crystals/fragments, extensively silicified/albitised and chlorite-sericite-siderite-stained lava clasts. Similarly altered ashy matrix with silt-sized clastic muscovite.	Poorly sorted, weakly bedded, silty fine to coarse sandy clastic. Very incipiently sheared.	Leucoxenitic semi-opaques, sparse micro-scale quartz-albite veinlets.	Leuco-andesitic/dacitic lithic-crystal tuff. Clastic fabric suggestive of shallow subaqueous deposition; possibly incipiently reworked.
41990	Volcanic Conglomerate. Clasts of impure chert, sericitic, chloritic, albitised, basaltic to andesitic minor rhyolitic volcanics, similarly altered lithic sandstone matrix. Chloritic, sericitic cement.	Fine sandstone-supported conglomerate/pebbly sandstone. Incipiently sheared.	Clasts of sericitic arkosic siltstone, vein-type quartz. Pervasive ankerite stainings (matrix).	Basic-intermediate volcanic conglomerate. Alteration analogous to 41932. High matrix/framework ratio consistent with a broadly turbiditic facies.
41994	Altered "Microabbro". Frequent albitised/sericitised plagioclase laths, minor serpentinitised olivine with altered interstices of vaguely ?pyroxene-pseudomorphous chlorite, sericite, "cherty" quartz.	Variably semi-mylonitic, fractured to sheared. Vaguely relict doleritic (subophitic).	Sparsely disseminated leucoxenised opaques.	Primary features obscured by marked pervasive alteration, deformation effects, but essentially altered "doleritic". Minor intrusive character.
46620	Lithic Sandstone. Framework of chert, impure chert, sericitic quartz siltstone, silicified "rhyolitic" tuff, sericitic shale, silicified sericitised acid lava clasts. Sericitic, fine to cherty quartz matrix.	Weakly bedded, poorly sorted (gritty fine to coarse) sandstone. Incipiently sheared.	Oxidised/leucoxenised clastic opaques, trace "coaly" carbonaceous matter, rare detrital chlorite.	Polynitic lithic sandstone. Volcanically derived components are relatively acid in comparison to 41990.
46640	"Rhyolitic" Tuff. Thinly disseminated quartz, sericite-stained albite crystals/fragments, sericitised/silicified lava, minor chert and sericitic shale clasts; sericite/micro-crystalline quartz matrix.	Evenly disseminated, angular-subangular clasts (100 μ - 1 mm), vaguely shaly matrix.	Leucoxenised/oxidised opaques.	Finer still obscured by silicification/sericitisation and incipient shearing. Interpreted as a weakly xenolithic, rhyolitic, vitric (-crystal-lithic) tuff; ?ignimbritic.
46645	"Andesite". Cherty quartz, semi- to sericitic muscovite and Fe-Mg chlorite in varying proportions. Abundant silicified feldspar, chloritised ferromag phenocrysts, similarly altered groundmass microlaths.	Strongly porphyritic with weakly skeletally crystallized (chilled) groundmass. "Andesitic".	Conspicuous ultrafine leucoxenised opaques. Sparse cherty quartz veinlets. Minor trace pyrite.	Strongly porphyritic basic-intermediate lava or chilled minor intrusive. Reflects secondary silicification (postdating ?deuteric sericite-chlorite-pyrite)).
46652	Lithic Sandstone. Framework of subangular to rounded quartz (60%), sericitic pelite, impure chert clasts (30%), carbonaceous shale clasts (5%), muscovite (2-3%). Matrix (25%) of quartz, chlorite, minor sericite.	Well-sorted, weakly bedded fine sandstone, incipiently stressed.	Detrital schorl, zircon, leucoxenitic semi-opaques. Sparse discordant quartz veinlets.	Carbonaceous, chloritic lithic sandstone with carbonaceous matter partly re-organised into microfilms, reflecting incipient regional metamorphism. No "volcanic" features.
46661	Lithic Sandstone. Framework of subangular to rounded quartz, sericitic pelite, minor sericite, impure cherty ?felsite clasts, muscovite flakes. Carbonaceous, sericitic matrix (25%).	Weakly silty shale-parted, well-sorted fine sandstone. Similar to 46652, but relatively sheared, microfractured.	Detrital leucoxenitic semi-opaques, minor zircons, schorl.	Close affinities with 46652. In comparison, this rock is relatively argillaceous (sericitic) and carbonaceous.