

These rock units have a gross rhyolitic composition and are characterized by being extremely fine grained and composed of broken crystals of quartz (0.3mm) potash feldspar and angular tiny fragments of devitrified glass throughout a matrix of ultra fine quartz commonly crowded with micro foliae of sericite. KR 1467 is an example from the Voyager 2 prospect.

Volcaniclastic sediments

Numerous examples of volcaniclastic sediments have been mapped within the southern portion of E.L. 27/76 despite the fact that these fine grained friable sediment zones are highly prone to weathering and thus outcrops even within the creek beds are sparse. Locally the geology within these zones is complex, and when insufficient outcrop, distorted bedding, penetrative cleavage and alteration effects are considered, a wide variety of lithological types have been grouped to form this unit of volcaniclastic sediments.

Broadly the unit is characterized by pale grey to dark green fine grained laminated shales, however the grain size does vary from siltstone range to sandstone. Macroscopically the unit is poorly sorted with loosely packed aggregates of quartz grains within an extremely fine quartz-clay matrix. Within the coarser sandstone varieties single quartz crystals together with volcanic fragments, occur as heterogeneous, loosely packed grains in an ultra fine chloritic clay matrix.

Well developed rounding and sorting within several of these units, particularly within the Voyager 2 area indicate that considerable reworking has taken place and although the source was likely to have been tuffaceous these units are now true sediments.