

	DESCRIPTION	REMARKS
76.55 - 85.55m	<p>FELSIC SANDY TUFF (ASH?) Pale grey or green. Abundant tiny fragments up to 2mm, angular or sub angular. Much fine grained feldspar. Rather massive with very indistinct layering. Moderately sericitic, chloritic in places. Schistose. Numerous carbonate sweat-outs. Below 81.75m vague swirls and patchy markings in the core. Strong fault 85-85.55m</p>	Minor hematite and py.
85.55 - 93.6m	<p>RHYOLITIC TO DACITIC WELDED PYROCLASTIC OR LAVA Gradational change from basal part of above unit. Indistinct angular clast-like shapes up to 30mm in felsic matrix with glass shards (?) and rare qtz phenocrysts. Some flattened angular clasts with delicate edges. Indistinct irregular patches and masses 20-300mm of hard, siliceous, fine grained, pale pink Red Hills lava - possibly brecciated and welded rubby lava mass margin? Sericitic with much chlorite throughout. Chlorite in threads, patches and replacing matrix in fine grained zones. Lamination poorly developed - flow banding? 60°/LCA @ 88.5m, 52°/LCA @ 92m</p>	Up to 1% py Trace sp
93.6 - 120.85m	<p>BRECCIATED RHYOLITE LAVA Gradational upper contact. Grey-green Very even sandy texture to 11m, then 'blotchy' texture after original fragmental nature of the lava. Very indistinct clast-like shapes within the lava, with sub-rounded margins. Up to 40mm, average less than 10mm. Fragments of carbonate material. Groundmass siliceous and felsic. Small dark feldspar laths 1-2mm. Moderate sericitic alteration, minor chlorite, moderate to strong carbonate alteration. Weak schistosity. Moderate to strong silicification, increasing in strength below 11m. Below 118m rock is bleached, leached and strongly carbonated. Some clear brecciation esp around zones now occupied by barren qtz-carbonate veins up to 100mm thick. No marked primary lamination. Clast band @ 99m 60°/LCA. Below 119.7m fragments flattened and lineated 65°/LCA, with cherty and ashy bands. Basal contact 70°/LCA.</p>	93.6-99.5m: V. minor py 99.5-102.1m: 2% py in patches and stringers associated with silicification. 102.1-120.85m: 1-2% py.. patchy
120.85-122.50m	<p>VARIABLE TUFF Grey or creamy grey Siliceous and hard. Sericitic and carbonated Intercalated irregular bands of bedded vitric tuff, chert, fine volcaniclastics and minor coarser debris. Composed of fine lithic and lava fragments, glass and pumice. Clasts of lava to 60mm, most fragments 1-5mm. Some small qtz phenocrysts Well-developed bedding in vitric tuff @ 121.75m 60°/LCA.</p>	3% py. Minor sp-gn... Locally 5% py and 1% sp-gn.
122.5 - 148.7m	<p>TUFFACEOUS RHYOLITE LAVA BRECCIA Grey or greyish-green Blocks, up to 170mm average 10-40mm, of creamy-grey or pink Red Hills lava, in matrix of grey cherty silica and fragments up to 10mm of chert, pumice, feldspars, lava and other acid volcanics. Becoming finer grained below 137m, with clearer waterlain character, although essentially unsorted with poorly developed bedding. Bedding: 60°/LCA @ 127m; 55°/LCA @ 135m, 48°/LCA 143.3m. Some interbeds of sandy tuff below 143m. Lava blocks angular to sub rounded. Some have irregular cracked margins - bombs? To 130m chalcidonic silica with some colloform texture concentrated around margins of lava blocks and partly replacing them. Some disrupted beds of chert. From 130-143m silicification strong but pervasive - no replacement of lava block margins. No silicification below 143m. Rock is sericitic, with chlorite in stringers and replacing matrix from 140-143m. Carbonated below 143m.</p>	122.5-124m: 7-10% py, minor sp-gn. 124-126.5m: 10-15% py, 1-2% cp-sp-gn. 126.5-128.5m: 5-7% py, 1-2% sp>gn-cp. 128.5-144m: 1-3% py, up to 1% sp-gn>cp. 144-144.35m: 3-5% gn-sp>cp-py, dissem. 144.35-148.7m: 2% py, 1% sp-gn except; 146.2-146.8m: 2% gn-sp>py trace cp. 147.15-147.75m: 3-5% gn-sp-py. trace cp.