THE MOUNT LYELL MINING AND RAILWAY COMPANY LIMITED

DESCRIPTION		REMARKS
120.00 - 141.30m (continued)	a) Dark green, fine grained, andesitic crystal lithic tuff with phenocrysts of feldspar and elongate chloritic slivers (as for 117.10-120.00m).	
	b) pink-purple hematitic, crystal lithic tuff with phenocrysts of feldspar in a hematitic matrix. Rounded siliceous fragments and minor jasper occur.	
	c) Coarse grained, pink to grey minor carbonate.	
	The matrix of the agglomerate pink-grey carbonate rich.	
	At 121.30-121.80m, 140.30-140.70m there occurs a pale brown medium grained crystal lithic tuff with phenocrysts of feldspar and elongate chloritic liths of 2-10mm in length.	
	Extensive minor veins of carbonate occur throughout but major veins occur at 122.70m, 135.30-135.70m, 136.00-136.30m, 140.70-141.00m.	
141.30 - 173.70m	Dark green, fine to medium grained, andesitic crystal lithic tuff with phenocrysts of feldspar in a variable chlorite-carbonate rich matrix. Liths which are of similar composition to the host rock, but have a variable chlorite composition, occur as elongate lensoids (2-100mm). Disseminated pyrite and minor chalcopyrite occurs. There is a gradational increase in hematite content in the matrix and as lithic fragments from 152.50-170.20m (downhole). Between 161.50m and 166.50m, hematite/jasper occurs as large wispy liths or as matrix between large sized (>10mm) tuffaceous fragments. Minor carbonate veins and minor quartz (chlorite) veins (e.g. 162.30-162.40m) occur.	
173.70 - 176.70m	Gradational boundary zone containing tuffs as for 141.30-173.70m; minor pink/brown medium grained crystal lithic tuffs with phenocrysts of pink feldspar; quartz-chlorite (specular hematite) veins at 173.80-274.40m, 175.80m; and an increase down hole of banded pink carbonate.	
176.70 - 183.40m	White to pink-pale green, fine to medium grained, banded carbonate with a variable proportion of hematite chlorite and minor fine grained crystal tuff. Some styolites parallel to bedding.	B.C.A. AT 178.30M 40°
		B.C.A. AT 181.50M 35°
183.40 - 224.40m	Dark green to purple brown, medium to coarse grained, andesitic, crystal (lithic) tuff with zones of	B.C.A. AT 191.00M 40°
	banded carbonate. The tuff contains subhedral pink feldspar in a feldspathic matrix containing minor	B.C.A. AT 195.30M 45°
	chlorite, hematite and carbonate.	MINOR FOLD AT 197.50M
	Fragments are small (<5mm), irregular shaped and altered to chlorite.	TO 197.60M
	The carbonate is well banded varying in colour with variable proportions of hematite, chlorite and minor	B.C.A.'s 50° TO 15° TO 50°
	fine grained crystal tuff. The carbonate occurs at: 186.30m, 189.70m, 190.60m, 190.80-191.20m,	
	195.40-195.50m, 197.50-197.60m, 191.50m, 201.70-202.00m, 202.30m, 204.40m, 204.50m, 206.00-206.80m, 206.90m	B.C.A. AT 201.20M 45°
	207.00m, 207.70-208.00m, 209.00-209.20m, 209.30-209.50m, 211.30-211.50m, 211.90-213.00m, 214.40-214.70m,	
	215.00-215.60m, 215.70-215.90m, 216.50-216.70m, 217.10-217.20m, 220.90-230.00m, 220.40-222.80m,	B.C.A. AT 204.30M 50°
	223.70-224.00m.	B.C.A. AT 207.70M 40°
	Veins of quartz/chlorite with minor carbonate and specular hematite veins occur at 184.10m, 189.00-189.40m,	B.C.A. AT 209.80M 60°
	191.30-193.00m, 203.30-203.60m, 204.00m, 205.20m, 205.30m, 208.40m, 210.40m.	B.C.A. AT 214.40M 40°
		B.C.A. AT 215.90M 30°
224.40 - 243.00m	Gradational boundary to interbedded:-	B.C.A. AT 217.20M 45°
	1) Pink to pale green fine grained andesitic crystal lithic tuff with phenocrysts of feldspar and	B.C.A. AT 222.50M 50°
	elongate liths of carbonate and minor hematite e.g. 226.70-229.20m. This unit may be part air fall in	
	origin as indicated by some fine layering.	B.C.A. AT 226.70M 45°
	2) Pink to pale green carbonate with a variable content of fine grained tuff, hematite and chlorite.	B.C.A. AT 229.40M 30°
	Veins and veinlets of carbonate throughout.	B.C.A. AT 234.20M 25°
		B.C.A. AT 239.80M 30°
243.00 - 250.00m	As for 183.40-224.40m with carbonate occurring at 244.20-244.50m, 244.80-245.50m, 245.90-246.20m.	B.C.A. AT 242.20M 25°