

PTH

INTERVAL	DEPTH from-to : ROCK UNIT	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS
	Depth: Description and notes indented about 10 mm			

FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED), MONOGRAPH NO. 9 AUSTRALAS INST. MIN. METALL. - 1976

028522

MBD-42

0-3.0	TRICONE TO 30m - NO CORE.			
3.0-72.7 (69.7m)	3.0-72.7 SILTSTONES AND SLACK SHALES, MINOR SANDSTONES Dark grey clay rich siltstone, medium grey quartzose siltstone, brecciated, with discontinuous lenses and clasts of black shale. Some clasts are contorted and rounded - 'soft pebble conglomerate' texture. Well fractured - rock is permeated by fine white clay filled fractures 40-60°C, with small faults at 5-7m intervals. The sandstones are dark grey, silt rich and massive to 1m thickness. 40-55m weakly sericitic and silicified	10/9c/11s	3.0-11.0 py. qtz. in stringers & veinlets 1% 11.0-54.7 py. finely dissem. in siltstones and sandstones 3-5%. Some py.-marcasite-carbonate-qtz-fluorite-sp. arsenic veining TOTAL 7.0%	
72.7-74.5 74.5-86.2	72.7-74.5 QUARTZ FELSPAR PORPHYRY 74.5-86.2 SILTSTONES, BLACK SHALES, MINOR SANDSTONES As for 3.0-72.7m	10/9c/11s	py. sp. dol-fluorite-py-qtz veining 9-10% py. finely dissem. and in stringers and veinlets with carbonates-qtz-fluorite-marcasite TOTAL 5%.	49.8-51.7 Vein zone, 15%, most veins = 30-40°C 51.7-72.7 As above, 2-3.0%
86.2-87.6 87.6-112.2 (24.6)	86.2-87.6 QUARTZ FELSPAR PORPHYRY 87.6-112.2 SILTSTONES, BLACK SHALES, MINOR SANDSTONES As for 3.0-72.7, but sandstones are silicified - quartzites. Proportion of sandstones increases towards base of interval.	10/9c/11	py. fine black basinalite 6.5% 87.6-112.2 py. dissem. and in thin stringers and streaks to 10cm with qtz, carbonates. TOTAL 5%.	
112.2-126.0 (13.8)	112.2-126.0 SANDSTONES, SILTSTONES and BLACK SHALES Sandstones mid grey, some weakly micaceous, concentrated in intervals to 5m, separated by thinly bedded, weakly brecciated siltstones and shales. 126.0-126.7 'TURF'	11/5/10c/11s	112.2-123 sparse carbonate-qtz py. veining, a little dissem. py. 1.0% 123-126.0 py. some veining 5%.	
126.7-144.0 (17.3)	126.7-144.0 SANDSTONES, SILTSTONES and BLACK SHALES As for 112.2-126.0. some siltstones faintly greenish and sericitic.	11/5/10c/11s	py. dissem. in quartz beds, veinlets with qtz, carbonates, marcasite. 3%.	
144.0-182.0 (42.0m)	144.0-182.0 SILTSTONES and BLACK SHALES. Well bedded dark grey clay rich and pale grey quartzose siltstones with black shale beds < 0.5cm and some thin pyrite laminae to 2mm. Some minor folding and contortion and small brecciated zones to 2m.	10/9c/11	144-161 as bedded laminae to 2mm, finely dissem. in some siltstone beds; in stringers with qtz, carbonates, marcasite. Some small breccia zones to 10cm and qtz-dol veining. 3-5%. 161-182 As for 144-161, 2-3%.	
182.0-189.48 (7.48m)	182-189.48 QUARTZITES, SILTSTONES and SHALES Pale grey quartzites hard and silicified. siltstones mostly quartzose and weakly sericitic.	11/10/9	py. dissem. in quartzites and as thin veinlets and stringers. Sparse dolomite-qtz-py-marcasite veining. 3%	
189.48-215.0 (25.52)	189.48-215.0 QUARTZ FELSPAR PORPHYRY. Matrix: white, finely crystalline with some faintly greenish very fine grained portions. Qtz - subhedral grains to 2-3mm. 10-15%. Felspar - altered to hard brownish mineral, scattered variably throughout 0-5%. Average size < 2mm. 1.0%	1	py. as distinct grains with marcasite rims to 2 or 3mm. Sp. variable (trace-5%) Weak trace ? cassiterite, fluorite and some minor qtz-carbonate-py-sp. veining TOTAL 10-15%.	
215.0-226.5 (11.5m)	215.0-226.5 SILTSTONES, minor BLACK SHALES and QUARTZITES Upper 4m hard brecciated quartzites 216.6-226.5 Siltstones thinly bedded with black shales, minor contortion and brecciation	11/10 10/9c/11	189.48-215.0 As for 144-161, 2-3%.	
226.5	END OF HOLE 226.5 m.			

AFTER TYPING THIS SIZED FORM WILL BE PHOTO-REDUCED TO A4 SIZE

5 cm

FIELD COPY - COPY TO BE SENT TO MELBOURNE FOR TYPING

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SUMMARY DRILL LOG
Scale (1:1000), 1:500, 1:250

Prepared by: G. BROADBENT
Date: 1/5/60

HOLE NO. MBD 42
Sheet of