

DEPTH INTERVAL	DEPTH from-to : ROCK UNIT <small>capital letters, underlined</small>	MINERALISATION	BULKED ASSAYS
	Depth : Description and notes <small>indented about 10mm</small>		

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

028435

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

0-3.0 (2.0)	TRICONE TO 3.0m - NO CORE		
3.0-9.9 (6.9)	LOST CORE 3-7.4; 7.6-9.9. <u>7.4-7.6 DOLOMITE SULPHIDE LOOE</u> -Carbonates, qtz, with hard bluish green talc (serpentine, granular texture)		Po, Py, Fluorite 10% in recovered fragments 7.4-7.6.
9.9-19.0 (9.1)	9.9-19.0 GREY DOLOMITE WITH QUARTZ AND CALCITE. Brecciated and weakly recrystallised, some minor talcose alteration. qtz and carbonates occur as infillings around angular fragments in brecciated zones.		Po, Py as blebs along fractures with recryst. carbonates. 4.1%.
19.0-49.0 (30.0)	19.0-49.0 MIXED GREY DOLOMITE / DOLOMITE SULPHIDE LOOE. Dolomite > DSL. Intervals of mottled grey dolomite <sup>to 5m</sup> separated by talc qtz - carbonate or talc (serpentine) DSL 0.3-3.0m. Overall DSL 30%, some finely banded, or coarsely crystalline granular/massive carbonates or serpentine		Dolomite: blebs Po, Py trace sp along fractures, and thin veinlets, stringers 1%. DSL: Po > Py, Fluorite, trace arsenic, sp, weak trace cp in varying proportions and amounts % mineralisation varies 5-25%, average 10-15%. Overall: total 5.8%
49.0-67.7 (18.7)	49.0-67.7 DOLOMITE SULPHIDE LOOE. Pale green and dark green talc with dark green and grey serpentine, with minor qtz and carbonates. Some banding with carbonates and sulphides, irregular, elsewhere almost massive talc & serpentine with some? phlogopite lining cavities and enveloping interstitial qtz and fluorite.		Po, Fluorite, trace py, weak trace cp, varying amounts of fine grained dark? kaolinite (trace). Percent mineralisation fluctuates <1% to 50% on a scale of a few cm, and overall over a few metres: 49-54m 10% 54-56.7 50% 56.7-58.7 15% 58.7-63.7 40% 63.7-66.7 5-7% 66.7-67.7 30%
67.7-86.3 (18.6)	67.7-86.3 SERICITIC SILTSTONES, SILTY SHALES. Greenish grey siltstones with minor grey quartzose siltstones (massive) to 0.5m and thinly interbedded greenish shale beds. Brecciated and contorted - clasts of siltstone and shale in a poorly structured matrix. Some thin intercalations of talc and serpentine near upper contact. Hard, silicified.		Po > Py, thin veinlets and stringers } 7-10% Fluorite - carbonates - qtz - talc - Po - cp veinings
86.3-104.8 (18.5)	86.3-104.8 QUARTZ FELSPAR PORPHYRY Matrix white, fine near margins, faintly greyish in central portion Phenocrysts: qtz - rounded, turbid, to 6mm, 10% near margins, 15-20% in central portion. Feldspar - creamy white ill defined patches, small well formed phenocrysts to 1.2mm, some minor alteration. 5-7% near margins, 1-3% in central portion		Py > Po, alternating intervals to 2m of Po > Py, Py > Po. Sulphides as distinct rounded grains to 4mm, and diffuse fine grained aggregates Trace cassiterite, fluorite, sp, weak trace arsenic. 20%
104.8-120.3 (15.5)	104.8-120.3 SERICITIC SILTSTONES, SILTY SHALES AND QUARTZOSE SILTSTONES. As for 67.7-86.3, except that below 109m, becomes less greenish, some almost black carbonaceous shale intervals appear. Increased siltstone, sandstone towards bottom of hole, decrease in shale beds.		104.8-109.4 Py > Po, thin veinlets and stringers, disseminated in siltstone beds. 5-7%. Some rare blebs Po to 2x3cm. 109.4-120.30 as above, but less sulphides and some sparse carbonate - qtz - fluorite - py veinings 3-5%

END OF HOLE 120.3m.

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  
(when reduced to A4)

Prepared by: G. BROADBENT  
Date: 5.3.80

HOLE No. MBD 27  
Sheet of