

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

028512 MBD-40

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

0-4.0 (4.0m)	TRICONE TO 4.0 m - NO CORE.		
4.0-25.6 (21.6m)	4.0-25.6 THINLY BEDDED SILTSTONES WITH QUARTZITES. Pale greys - fractured, and bleached by subsequent weathering, gradually becomes darker with depth. Well bedded, fine grained, sandstones / quartzose siltstones, medium hard and silicified, alternate with soft medium grey argillaceous siltstones. Minor disjuction and contortion, followed by later fracturing at 40° LCA. 22.5-25.6 some sparse black carbonaceous shale beds <i>Ground Change</i>	10/11	4.0-16.5 rare qtz - cassiterite veinlets < 2mm thick. 16.5-22.5 trace py in sparse veinlets & stringers. 22.5-25.6 Py as thin bedded laminae, veinlets and stringers 3-5%.
25.6-74.6 (49.0m)	25.6-74.6 QUARTZITES WITH THINLY BEDDED SILTSTONES As for 4.0-25.6, but quartzites are harder, and less well bedded - mostly massive and brecciated, up to 4m thick - and separated by intervals of thinly bedded clayrich siltstones. Well fractured, some limonitic material on fracture planes. Quartzites decrease in abundance towards base of interval, some minor shales appear.	11/10	25.6-32.7 py, qtz as veinlets, some dissem along bedding planes. 1-2% 32.7-60.5 as for 25.6-32.7, weathered, 1% 60.5-69.5 as for 25.6-32.7, 1-2%. 69.5-74.6 Some sparse bedded laminae py; also dissem, and in veinlets etc with qtz 3-5%
74.6-93.1 (18.7m)	74.6-93.1 QUARTZ FELSPAR PORPHYRY. Matrix fine grained, bleached white, or stained greyish brown by weathering or orange brown by limonite. Very fractured and broken, pitted by weathering. Qtz - rounded colorless grains to 6mm, 15-20%. ? Felspar - altered, hard faintly brownish phenocrysts, locally 10%, overall 1-2% Core losses 82.6-91.5 m, and an inclusion of weathered thinly bedded siltstone from (?) 88.7 → ? <i>51.5</i>	1	Residual py, qtz in pitted veinlets. Original Fe sulphides in porphyry almost totally removed by weathering (originally 2-10-15%) trace 1% Trace rounded cassiterite 78.1-79.5. 83.5 irregular mass(?) cassiterite 2x3cm in qtz vein 91.5-93.1 trace hgr. cassiterite
93.1-115.4 (22.3)	93.1-115.4 THINLY BEDDED SILTSTONES WITH QUARTZITES. As for 4.0-25.6, quartzites not so well bedded, hard and bluish grey. Core well fractured and broken low angle LCA.	10/11	py, marcasite, qtz in stringers & veinlets Some dissem. blebs py in quartzites. 3-7%.
END OF HOLE 115.4 m.			

