

DEPTH	INTERVAL	DEPTH from-to : ROCK UNIT <small>capital letters, underlined</small>	MINERALISATION
		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

028516

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

0-3.0	TRKONE DRILLED TO 3.0 m - NO CORE.		
30-62.95 (59-95)	<u>30-62.95 SILTSTONES, BLACK SHALES, minor SANDSTONES.</u> Dark grey clay rich siltstones, (some almost black and carbonaceous) with medium grey quartzose siltstones which sometimes grade into fine grained sandstones. The black shales occur as fine laminae (thin beds to 0.5m) dividing siltstone beds. Very brecciated - sub-angular rounded siltstone clasts in a cemented matrix of finely bedded siltstone and black shale. Some sparse well bedded intervals of siltstone to 2m thick occur. Well fractured and broken, some minor fault zones to 1m.  Contact 30°	10/9c	30-41.6 Finely disseminated py, concentrated in some siltstone beds and clasts, also as blebs to 5mm 3-5%. Abundant dolomite-fluorite -qtz-py-sepehine-marcasite-phlogopite-sp-ga veining TOTAL: 7% 17.6-22.4 Vein zone, as above, but total 10-15% 22.4-62.95 disseminated py, some blebs py, marcasite and rare po. Sparse veining as above. TOTAL 3%.
62.95-86.8 (23-85)	<u>62.95-86.8 QUARTZ FELSPAR PORPHYRY</u> Matrix greyish cream in color, finely crystalline, in places greenish and brownish grey. Qtz - subhedral rounded grains to 4mm 10-15%. Felspar - variable, some alteration to hard brownish cream mineral (esp. near margins) 2-15%. Highest proportion and least alteration in central 13m (10-15%)  Contact 40°	1	62.95-66.5 py, marcasite, sp. Minor qtz-py-fluorite veining. TOTAL 10% 66.5-71.3 sp, trace py, weak qtz-py veining 2-3% 71.3-81.9 py, marcasite, sp, fluorite, arsenic and rare anhydrite 10-15%. sp locally > py 81.9-86.8 py, sp, marcasite, dolomite, fluorite qtz-py-po veining 30-40% LCA 2-3%.
86.8-123.45 (33-65)	<u>86.8-123.45 SILTSTONES, BLACK SHALES.</u> As for 3.0-62.95  116.4-123.45 As above, but lighter greys and weakly sericitic.  Contact 70°	10/9c	86.8-104.1 py as rounded blebs to 5mm and heavily disseminated in some siltstone beds. qtz-py-marcasite-carbonate-fluorite-sepehine -phlogopite-chalcopyrite(?) veining. TOTAL 7% 10% in 2.5m adjacent to contact. 104.1-116.4 As for 86.8-104.1, but only 2-3%  116.4-123.45 py, marcasite, po as blebs, some finely disseminated. Veining as above TOTAL: 5-7%.
123.45-126.6	<u>123.45-126.6 DOLOMITE SULPHIDE LOSE, sepehine, minor talc patches</u>	7/b	po, py, trace sp, fluorite 30%
126.6-147.5 (20-9)	<u>126.6-147.5 DOLOMITE</u> Fine grained, pale grey and brecciated (dark grey staining along fine brecciation fractures) Some weak talcose and sepehine alteration along brecciation fractures - irregular patches with bleached haloes - 2cm.  Gradual Change	2	sp, po, fluorite, white mica as irregular inclusions in brecciation cavities. Minor dolomite-qtz veining. TOTAL 1%, sparse intervals 10-15% up to 0.4m thick.
147.5-160.6 (13-1)	<u>147.5-160.6 RECRYSTALLISED DOLOMITE</u> Mottled p greys and creams, with abundant purple fluorite in places. Brecciated and well fractured, minor talcose etc alteration along fracture planes.  Contact irregular	3	147.5-150.1 py, sp, fluorite, trace po 2-3% 150.1-160.6 fluorite, py, marcasite, po, sp as blebs and patches to 10cm, intergrown throughout. Patches fluorite to 30cm thick TOTAL 15-20%.
160.6-199.55	<u>160.6-199.55 SILTSTONES, BLACK SHALES, MINOR SANDSTONES</u> 160.6-185.7 As for 3.0-62.95, with the addition of some quartzose sandstone beds to 1m thick. Well fractured and broken - fine clay filled fractures.  185.7-199.55 As above, but well bedded, with only minor brecciation and contortion. Siltstones and shales thinly bedded (< 2cm). Some thinly unroofed siltstone (lilly shale) intervals to 1m.	10/9c/11/6	160.6-166.5 py as disseminated blebs to 3mm, also finely disseminated. Fine dol-calcite-qtz-fluorite veining. TOTAL 7-10% 166.5-185.7 py, finely disseminated, some blebs and thin stringers. Sparse qtz-carbonate-py veining TOTAL 2-3%.  185.7-200.00 Py etc as above, with the addition of some thin bedded py laminae to 3mm. TOTAL 3%, locally 5-7%
199.55-200.00	199.55-200.00 'TUFF' + 0.45m END OF HOLE 200.00 m.	12	

