

DEPTH (m)	ROCK UNIT	STRUCTURAL AND VEIN INFORMATION	MINERALISATION	NOTES
0 - 3.0	TRICONE TO 3.0m - NO CORE			
3.0 - 10.5	3.0-10.5 SILTSTONES WITH SANDSTONES. Thinly bedded clay rich siltstones with sandstones to 20 cm thick. Sandstones are pale grey, fine grained and possibly weakly effervescent. Originally well bedded, but highly broken and bleached by faulting and subsequent weathering.	10/11c ← 8.4 Bedding 35°		3.0-10.5 weathered - non mineralised.
10.5 - 16.0	10.5-16.0 TUFF Coarse grained agglomerate of black, grey and brownish siltstone and shale fragments with white and cream? felspar phenocrysts in a fine grained, faintly greenish pale grey matrix. Rock fragments and 'felspar' to 3mm, 80-90% of the rock. Rather structureless, some disruption and brecciation.	12 Contact Broken		10.5-16.0 trace pg as small rounded interstitial grains < 1mm, weathered. <1%
16.0 - 21.8	16.0-21.8 FINELY LAMINATED SHALEY SILTSTONES Pale grey finely bedded (laminated (1-2mm) siltstones with intercalated discontinuous silty shale lenses 1-2mm thick. Well bedded to 17.9 m, then brecciated and disrupted. Well fractured and bleached, soft and crumbly - faulted.	10/11c ← Contact irregular, 35° ← 16.1 Bedding 60° 16.0-17.9 FAULT ZONE minor puggy material. 17.9-21.8 faulted, recoveries poor, rock is soft crumbly and bleached. Contact Broken		16.0-21.8 trace dissem. pg, pitted and weathered. <1%
21.8 - 23.0	21.8-23.0 TUFF Fine grained siltstone, shale and? felspar agglomerate (max clast size 1-2mm) in a fine grained grey shaly matrix.	12 Gradual change via sandstone beds.		21.8-23.0 pg as fine interstitial grains, weathered. <1%
23.0 - 33.2	23.0-33.2 THINLY BEDDED SILTSTONES AND SHALES WITH SANDSTONES. See 3.0-10.8 for description. Well bedded to 26.8 m, then highly broken and bleached by faulting - soft, almost puggy intervals to 30m - to 33.2m.	10/11c/10 ← 26.8 Bedding 5° ← 26.5 Bedding 50°		23.0-33.2 trace pg in veinlets and stringers, pitted and weathered. <1%
33.2 - 34.3	33.2-34.3 TUFF Fine grained siltstone, shale and? felspar agglomerate as for 21.8-23.0. Well fractured and sheared.	12 Contact Broken.		33.2-34.3 trace interstitial pg etc. <1%
34.3 - 42.0	34.3-42.0 SILTSTONES, MINOR SHALES Dark grey, almost black clay rich siltstones thinly interbedded with black shales. Quite finely bedded, in places almost laminated (as for 16.0-21.8), with thin black? graphitic partings along bedding planes. Highly fractured and broken, decreasing with depth. Minorurbation and soft-sediment disruption.	10/11c ← 39.7 Bedding 35° Gradual Change		34.3-42.0 pg, qtz, in irregular stringers and veinlets with carbonates. Some finely dissem. pg towards base of interval. 2-3%
42.0 - 55.17	42.0-55.17 SILTSTONES AND SANDSTONES, MINOR BLACK SHALES. Thinly interbedded dark grey clay rich siltstone and mid grey silty sandstone beds on a 1-5 m scale. Disrupted and contorted, with some well bedded intervals. Fractured and badly broken to 45 m, then fracturing decreases.	10/11c/11c ← 45.5-47.5 fold zone - contorted bedding, most angles < 10°. ← 47.9 Bedding 45° ← 51.9 Bedding 60° ← 54.9 Bedding 80° Contact 60°		42.0-55.17 pg, finely dissem. in siltstones and sandstones, minor qtz-pg-carbonate veining, with thin pg stringers and irregular blebs. 1-2%
55.17 - 58.1	55.17-58.1 TUFF 1-3 mm black shale clasts, greyish siltstone clasts and whitish/yellowish felspar in a pale greenish grey shaly matrix (sericitic?). Quite soft, weakly foliated 65° - shearing? some clasts are almost talcose - alteration? or depositional?	12 Contact irregular, 255°		55.17-58.1 trace minor qtz-carbonate-py veining <1%
58.1 - 69.6	58.1-69.6 SILTSTONES AND SHALES, MINOR SANDSTONES. Very brecciated and disrupted. dark grey, almost black intimate mixture of siltstones and shales with rounded clasts of mid grey coarse siltstone, dark grey clay rich siltstone and grey sandstone to 3-4cm.	10/11c/11c Gradual Change		58.1-69.6 pg, in thin veinlets and stringers along brecciation paths, dissem. in siltstone and sandstone clasts. Rare qtz-carbonate-sp veinlets. 3%
69.6 - 101.7	69.6-101.7 SILTSTONES AND SHALES, SPARSE SANDSTONES As above, 58.1-69.6, with a reduced proportion of sandstone clasts. Slightly lesser disruption - intervals of disrupted and contorted material to 2m alternate with totally disrupted material to 10m.	10/11c ← 73.4 Bedding 10° ← 76.3 10 mm vuggy pg-manganese vein, 30°. ← 88.1 Bedding 60°		69.6-101.7 pg, as bedded laminae, finely dissem. Rare irregular qtz-carbonate-py-sp stringers to 5cm, 30-40° 3-5%
101.7 - 104.3	101.7-104.3 SANDSTONES WITH SILTSTONES. Dark grey, disrupted and brecciated sandstone beds to 30cm intercalated with thinly bedded siltstones.	11/110 Gradual change ← 102.7 Bedding 55°		101.7-104.3 pg, finely dissem. in sandstone and siltstone beds, sparse fine stringers with qtz, carbonates 2-3%
104.3 - 115.1	104.3-115.1 SILTSTONES. Medium grey thinly bedded clay rich and quartzose siltstones with some fine sandy beds to 5cm. Quite well bedded, with occasional thin shale laminae < 1mm - dividing siltstone beds. Minor disruption and contortion, well fractured, with some puggy zones in cm.	10 Gradual change ← 107.2 Bedding 35° 107.5-110.1 Fault zone - broken core and thin puggy intervals 40° etc. Minor filling 11-113 - soft sediment deformation. ← 115.0 12mm dolomite-fluorite-py-qtz-sp vein, 40° 15mm dolomite-fluorite-py-qtz-sp vein, 50° Gradual Change.		104.3-115.1 pg, very finely dissem. in siltstone beds, as thin films along fracture planes, and occasional irregular stringers and blebs. 3%
115.1 - 125.3	115.1-125.3 SANDSTONES AND SILTSTONES. Massive disrupted and brecciated sandstone beds to 1.5m, grey and quartzose, alternating with thinly bedded clay rich and quartzose siltstones. Highly disrupted and brecciated by soft-sediment deformation.	11/110 Gradual Change.		115.1-125.3 pg, finely dissem. in some sandstone and siltstone beds, also as thin veinlets and stringers. Weak blebs green fluorite-carbonate stringers. 3-5%

5cm

DEPTH from-to: ROCK UNIT capital letters, underlined Depth: Detailed rock description and notes <small>printed about 15mm</small>		GRAPHIC LOG <small>PRINTED AT 1:100 SCALE</small>	STRUCTURAL AND VEIN INFORMATION <small>PRINTED AT 1:100 SCALE</small>	MINERALISATION <small>PRINTED AT 1:100 SCALE</small>	NOTES
METALS EXPLORATION LIMITED		MINERAL EXPLORATION DRILL LOG Scale 1:100		Prospect or project MOUNT BISCHOFF	HOLE No. MBD 66 LOG SHEET 2 OF 4 from 0.0 m to 120.0 m
Logged by G. BROADBENT		date 11 / 5 / 80			