

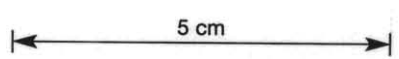
DEPTH	INTERVAL	DEPTH from-to : ROCK UNIT <small>capital letters, underlined</small>	MINERALISATION	BULKED ASSAYS
		Depth : Description and notes <small>indented about 10 mm</small>		

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

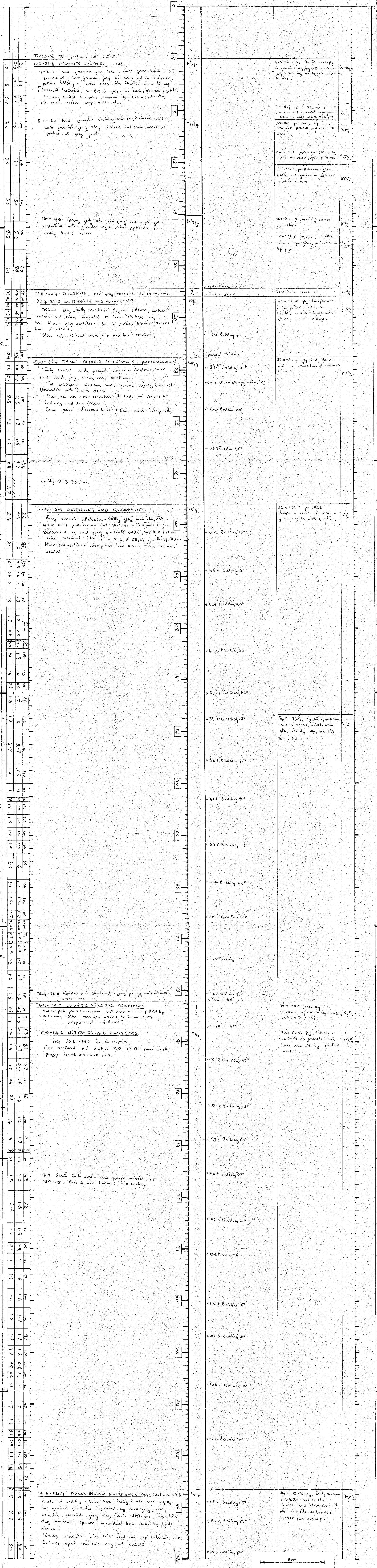
028502

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

0-4.0 (4.0m)	0-4.0 TRICONE DRILLED - NO CORE.			
4.0-22.4 (18.4m)	4.0-22.4 DOLOMITE SULPHIDE LOSE Mottled green - talc and serpentinite with bronze coloured po. Some microgranular grey quartz and small patches (?) tremolite/actinolite Overall texture is weakly banded, po alternating with talc (serpentinite etc in unsorted irregular bands, some cross cutting fracturing/veining	4/6/17 7/6/4	po. Py, limonite, trace arsenic in varying proportions and abundance. 0-7.5, 60-70% 7.5-11.0, 20% 11.0-12.2, 20% 12.2-17.4, 10% 17.4-22.4, 30-40%	
22.4-76.9 (54.5)	22.4-76.9 THINLY BEDDED GREY SILTSTONES, MASSIVE QUARTZITES. Siltstones mid grey and quartzose or darker grey and clay rich, faintly sericitic in places. Well bedded, with frequent brecciated intervals and minor folding (contortion). The quartzites are massive and occasionally well bedded, sometimes alternating with quartzose siltstones. Hard and bluish brownish greys, brecciated, with dark dendritic staining about fractures. Some thin dark grey silty shale laminae occur rarely in siltstones. 27-38.4 Rare thin 'tuffaceous' beds < 2 cm. Core is well fractured and broken.	10/11	22.4-38.4 py, highly dissem in quartzites, in veins/strings with qtz 1-2% 38.4-54.7 py, qtz as above 1% 54.7-76.9 As above, 2%h, locally 7%	
76.9-79.0 (2.1m)	76.9-79.0 QUARTZ FELSPAR PORPHYRY <small>qtz 3-5%, weathered.</small>	1	trace py (weathered)	
79.0-129.5 (50.5m)	79.0-129.5 THINLY BEDDED SILTSTONES AND SANDSTONES, QUARTZITES. As for 22.4-76.9, quartzites decrease with depth, some rare thin black shale beds appear with depth. Not so brecciated as above, but well fractured to 115 m. Clay rich siltstones are faintly greenish and sericitic.	10/11/5	79.0-114.6 py, dissem and as blebs, in veins/strings with qtz and rare cassiterite 1-2% 114.6-129.5 py, dissem, veining with qtz, CO <sub>2</sub> malacite, sp and cassiterite. Some rare large blebs po. 7%.	
129.5-143.6 (14.1)	129.5-143.6 THINLY BEDDED SILTSTONES, SHALES AND SANDSTONES. Mid grey quartzose siltstones and sandstones, clay rich siltstones dark grey, minor shales (almost black and carbonaceous) Mar beds < 2cm thick, weakly brecciated.	10	129.5-143.6 py, qtz <sup>CO<sub>2</sub></sup> veins and strings, some dissem py. 2-3%.	
143.6-164.1 (20.6)	143.6-164.1 QUARTZ FELSPAR PORPHYRY. Matrix fine grained and pale grey. Fractured and stained brownish grey by weathering. Qtz - subhedral rounded turbid grains to 6mm, 15% Felspar - altered, some removed by weathering? 7-10%	1	py, malacite, as fine grained aggregates (malacite as rims around py). Rare grains cassiterite. Variable concentrations (some removed by weathering), average 10%.	
164.1-172.5 (7.6m)	164.1-172.5 THINLY BEDDED SILTSTONES As for 129.5-143.6.	10	164.1-172.5 As for 129.5-143.6.	
172.5m	END OF HOLE.			







DEPTH from to: ROCK UNIT capital letters, underlined  
 Depth: Detailed rock description and notes  
 identified about 15 min

GRAPHIC LOG  
 STRUCTURAL AND VEIN INFORMATION  
 MINERALISATION

NOISES

120	114-6-121-7 See previous page.	114-6-121-7 See previous page.		
121	121-7-129-5 QUARTZITES, minor SILTSTONES Hard grey massive quartzite beds separated by thin beds of grey clay-rich siltstone. Brecciated - minor size related deformation.	Gradual change. 122-8 15 mm waxy py-muscovite massive vein, 60° 123-6 Bedding 50° 126-8 Bedding 70°	121-7-129-5 py-muscovite-qtz veins, also disseminated py in quartzites. Some irregular stringers py-qtz to 8x4 cm. 7%	
122	129-5-143-6 THINLY BEDDED SILTSTONES and SHALES with QUARTZITES Dark grey silty laminated siltstone (silty shale) alternating with thin bedded quartzite siltstone/clay rich siltstone and quartzite beds (hard, medium grey) to 0.5 m thick. Minor desquamation and brecciation - size related deformation with later minor folding.	Gradual Change 129-6 Bedding 65° 132-2 Bedding 65° 134-4 Bedding 70° 138-0 Bedding 70° 142-1 Bedding 50°	129-5-143-6 py-qtz as veins and irregular stringers, also finely disseminated py in quartzite beds. Minor quartzite veins. 2-3%	
123	143-6-143-6 Hard and silicified. 143-6-163-7 QUARTZ FELSPAR PORPHYRY. 143-6-144-2 Matrix greenish grey, Qtz to 2 mm, 5%, Felspar 3-5% 144-2-146-3 Matrix finely crystalline, faintly pinkish light cream, with fractured and broken, pitted by weathering Qtz - 10-15%, rounded and subhedral grains to 4 mm. Felspar altered to brown, horn and brownish 2-5% 146-5-157-4 Matrix very fine grained and pale grey with a mottled appearance. Phenocrysts - Qtz, subhedral and rounded, to 6 mm, 15% Felspar - altered to hard brownish translucent grains to 2 mm, 7-10% 149-8-157-4 Fractured and weathered.	143-6-144-2 trace brown? brownish and black fine Qtz 144-2-146-3 py, trace muscovite as distinct rounded grains and fine aggregates to 6x3 mm. Some patches to 3x2 cm. 146-5-149-8 py, muscovite, trace cassiterite, py and muscovite occur as fine grained aggregates to 6x5 mm. 149-8-157-2 pitted by weathering - py, muscovite, trace cassiterite 151-2-154-6 py, muscovite, pitted and weathered, trace cassiterite 154-6-157-4 very weathered and pitted, trace cassiterite, sulphides 1-2% 157-4-160-0 pitted py as fine grained aggregates to 6x4 mm. Some ultramicro inclusions cassiterite? 160-0-163-5 py, trace muscovite as rounded grains and some fine grained aggregates to 6x4 mm. Rare grains cassiterite, weak trace sp. 163-5-163-9 greenish light grey matrix, as for 143-6-144-2.	143-6-144-2 trace brown? brownish and black fine Qtz 144-2-146-3 py, trace muscovite as distinct rounded grains and fine aggregates to 6x3 mm. Some patches to 3x2 cm. 146-5-149-8 py, muscovite, trace cassiterite, py and muscovite occur as fine grained aggregates to 6x5 mm. 149-8-157-2 pitted by weathering - py, muscovite, trace cassiterite 151-2-154-6 py, muscovite, pitted and weathered, trace cassiterite 154-6-157-4 very weathered and pitted, trace cassiterite, sulphides 1-2% 157-4-160-0 pitted py as fine grained aggregates to 6x4 mm. Some ultramicro inclusions cassiterite? 160-0-163-5 py, trace muscovite as rounded grains and some fine grained aggregates to 6x4 mm. Rare grains cassiterite, weak trace sp. 163-5-163-9 greenish light grey matrix, as for 143-6-144-2.	<1% 10-15% 15-20% 10-15% 10% 1-2% 5-7% 10-15% 1%
124	163-7-172-5 THINLY BEDDED SILTSTONES AND SHALES with QUARTZITES See 129-5-143-6 for description.	172-5-172-5 176-4 178-0 180-0 182-0 184-0 186-0 188-0 190-0 192-0 194-0 196-0 198-0 200-0 202-0 204-0	172-5-172-5 176-4 178-0 180-0 182-0 184-0 186-0 188-0 190-0 192-0 194-0 196-0 198-0 200-0 202-0 204-0	163-7-172-5 THINLY BEDDED SILTSTONES AND SHALES with QUARTZITES See 129-5-143-6 for description. 3-5%
125	END OF HOLE 172.5 m.			

5 cm

DEPTH from-to : ROCK UNIT capital letters, underlined Depth : Detailed rock description and notes indented about 15 mm	GRAPHIC LOG SCALE 1:100 DEPTH TAG	STRUCTURAL AND VEIN INFORMATION ATTITUDE = angle between feature and LONG CORE AXIS	MINERALISATION	PERCENT MINERALISATION Visual Estimation	NOTES
--	---	--	----------------	---	-------

METALS EXPLORATION LIMITED  
MINERAL EXPLORATION DRILL LOG  
Scale 1:100

Prospect or project MOUNT BISCHOFF  
Logged by G. BRADY date 26/3/80  
Prepared by G. BRADY

HOLE No. M&D 38  
LOG SHEET 3 OF 3  
from 120.0 m. to 172.5 m.



