

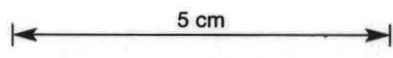
DEPTH INTERVAL	DEPTH from-to : ROCK UNIT	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS
	Depth: Description and notes inserted about 10 mm			

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

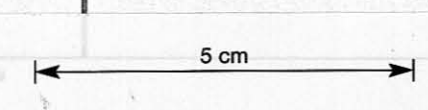
028497

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

0-30(30)	0-3.0 TRICONE DRILLED - NO CORE			
30-71.0 (68.0)	<p>30-71.0 THINLY BEDDED SILTSTONES and SILTSHALES with interbedded MASSIVE QUARTZITES</p> <p>Greys, medium hard siltstones, some pale grey and quartzose, grading into fine sandstones, others clay rich and darker grey. Thinly bedded (< 5 cm), quartzose beds are silicified, some soft sediment brecciation and later concretion, minor folding and disruption.</p> <p>Hard grey fine to medium grained massive brecciated quartzites to 8.0 m. separate intervals of siltstones etc. to 10m. The quartzites have sparse thin contorted siltstone and rare shale laminae.</p> <p>Core is well fractured and broken, particularly near top of interval - two sets of intersecting fractures 20-40° WCA with opposite senses, and partings along bedding planes.</p>	10/11/9	<p>30-17.5 py, qtz. Py finely disseminated in quartzites, with qtz as stringers + blebs along small fracture zones. TOTAL 2-3%.</p> <p>17.5-71.0 py, disseminated as above, also in veinlets, etc with qtz, and as sparse thin bedded laminae. 3%.</p> <p>50.5-58.5. As above, 3-5%.</p>	
71.0-72.3 72.5-102.4 (30.1m)	<p>71.0-72.3 QUARTZ - FELSPAR PORPHYRY 60% SiO₂, Felsp 1-20% SS</p> <p>72.3-102.4 QUARTZITES and THINLY BEDDED SILTSTONES</p> <p>Hard grey quartzites, with minor quartzose siltstones, brecciated. As for 3-71.0m, some are a pale brownish grey - tourmaline rich?</p>	11/10	<p>py, qtz, marcasite in thin veinlets and stringers. py is finely disseminated in quartzites. TOTAL 3-5%.</p>	
102.4-108.1	<p>102.4-108.1 THINLY BEDDED SILTSTONES, SILT SHALES MINOR QUARTZITES As for 30-71.0, but weakly calcitic.</p>	10/9/11	<p>py as thin bedded laminae + stringers with qtz, marcasite. 3-5%.</p>	
108.1-125.8 (17.7)	<p>108.1-125.8 QUARTZ FELSPAR PORPHYRY</p> <p>Mainly f.g., brownish cream in colour, well fractured and porous due to removal of sulphides + feldspar by weathering.</p> <p>Phenocrysts: Qtz to 7x6 mm, 20%</p> <p>Feldspar - not apparent; altered or removed by weathering.</p>	1	<p>py, pitted + weathered, with some marcasite rims. Discrete grains to 4 mm and f.g. aggregates to 5x3 mm. 10-15%. Black trace arseno, sp.</p>	
125.8-135.0 (9.8m)	<p>125.8-135.0 THINLY BEDDED SILTSTONES, MINOR QUARTZITES sparse SILT SHALES.</p> <p>As for 102.4-108.1.</p>	10/11	<p>py, qtz in veinlets, stringers and irregular blebs, some disseminated in quartzites. 5-7%.</p>	
	END OF HOLE 135.0 m.			



DEPTH (m)	ROCK UNIT	DESCRIPTION	STRUCTURAL AND VEIN INFORMATION	MINERALISATION	NOTES
0 - 30.0	TRICONE TO 30.0m - NO CORE				
0.7 - 0.6	30-32.0 THINLY BEDDED SILTSTONES, SHALES minor QUARTZITES	Grey medium hard finely bedded (1-2m) quartzose and clay rich siltstones with silty shale laminae (to 5mm). Intervals of siltstone to 5m are separated by hard grey brecciated quartzites, poorly bedded to 2m. Well fractured and broken - two sets of intersecting fractures at low angles L.A. combined with a parting along shaly beds. Proportion of shales increases with depth, with some thin bedded pyrite laminae after 17.5m. Well bedded, with minor desquamation and oxidation.	10/11 82 Bedding 70° 84 Bedding 55° 86 Bedding 65° 88 Bedding 55° 90 Bedding 65° 92 Bedding 70° 94 Bedding 60° 96 Bedding 60° 98 Bedding 80° 100 Bedding 55° Gradual Change		30-17.5 py, finely disseminated as blebs along small fracture zones, thin veins. 2-3%
0.4 - 0.1	32-50.5 SILTSTONES with QUARTZITES	Thinly bedded quartzose siltstones (pale grey, hard) with minor interbedded clay rich siltstones. Hard grey brecciated quartzites with fine dark dendritic staining along brecciation surfaces. Quartzites to 2.5m thick, divided by short intervals of finely bedded siltstones, minor desquamation and soft red-brown oxidation.	10/11 33-4 Bedding 55° 35-4 Bedding 80° 38.0 35mm silty pyrite - massive vein, 45° 38.6 Bedding 70° 42.4 Bedding 65° 44.8 Bedding 45° 47.6 Bedding 65° Gradual Change 50.5 Bedding 55°		17.5-32.0 py disseminated as above and in shaly layers with qtz. Some bedded laminae of py in shale beds. 3%
0.8 - 0.2	50.5-65.8 THINLY BEDDED SILTSTONES and LAMINAE	Fairly greenish, clay rich siltstones with thin shaly beds, interbedded as a 1-2 cm scale with pale grey quartzose siltstones. Some sparse silty shale beds are very dark grey, almost black and carbonaceous. Sparse thin bedded yellowish clay laminae in shaly intervals - decomposed bedded py? Well bedded, minor desquamation and later fracturing.	10/9 52 Bedding 55° 53.4 Bedding 55° 56.8 Bedding 70° 59.4 Bedding 75° 62.9 15mm arsenic, py vein, 60° 65.6 Bedding 55°		32.0-50.5 py, finely disseminated in quartzose siltstones and sandstones, minor thin veins and stringers with qtz. 2-3%
0.9 - 0.7	65.8-71.0 QUARTZITES with SILTSTONES	See 32-50.5 for description, the quartzites are not so silty - well bedded and slightly weathered.	11/10 64.2 Bedding 60° Contact 50° Contact 60°		50.5-65.8 py, finely disseminated as thin veins and stringers. 2-3%
0.9 - 0.7	71.0-72.30 QUARTZITES with SILTSTONES	See 32-50.5 for description, the quartzites are not so silty - well bedded and slightly weathered.	11/10 Contact 50° Contact 60°		65.8-71.0 py, finely disseminated as thin veins and stringers with minor qtz. 2-3%
0.4 - 0.1	72.30-102.4 SILTSTONES with QUARTZITES	Thinly bedded pale grey quartzose siltstones with minor clay rich greenish grey siltstones. Hard brownish quartzites to 2m, brecciated and disrupted. The siltstones gradually acquire a brownish tinge with depth - tourmaline rich? Minor sink sediment desquamation with later fracturing - some minor 1-2 cm paggy zones scattered sporadically throughout.	10/11 73.0 Bedding 70° 74.6 Bedding 70° 74.2 Bedding 100° 82.5 Bedding 75°		71.0-72.30 py, finely disseminated as thin veins and stringers, irregularly distributed parallel to bedding, some fine. 7-10%
0.4 - 0.1	102.4-107.0 SILTSTONES with QUARTZITES	Thinly bedded pale grey quartzose siltstones with minor clay rich greenish grey siltstones. Hard brownish quartzites to 2m, brecciated and disrupted. The siltstones gradually acquire a brownish tinge with depth - tourmaline rich? Minor sink sediment desquamation with later fracturing - some minor 1-2 cm paggy zones scattered sporadically throughout.	10/11 76.4 Bedding 70° 74.2 Bedding 100° 82.5 Bedding 75°		72.30-102.4 py, disseminated as thin veins and stringers to 5mm. Sparse finely disseminated py in quartzites. 3-5%



SAMPLE NO.	SAMPLE NO	FROM	TO	INTER-VAL	Sn	Sn	Cu	Pb	Zn	Ag	W	As	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
97836		71.0	72.3	1.3	3500									
37		106.1	108.1	2.0	260									
38		108.1	110.1	"	1150		240	80	46	2	20	32		
39		110.1	112.1	"	3450		440	100	190	3	30	600		
840		112.1	114.1	"	6100		3600	55	170	41	130	410	7000	Pulp check.
41		114.1	116.1	"	3800		570	60	220	1	45	700		
42		116.1	118.1	"	4650		400	20	240	1	30	920		
43		118.1	120.1	"	3750		430	50	200	41	60	960		
44		120.1	122.1	"	3950		490	85	240	2	30	1400		
45		122.1	124.1	"	3500		590	110	390	2	20	1350		
46		124.1	125.8	1.7	2400		200	65	620	41	20	220		
47		125.8	127.8	2.0	50									

028501

Notes:—

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 37
 SAMPLE TYPE : DRILL CORE FROM 71.0 TO 127.8