

H CORE CORER 1. m.m.	% RECOVERY	FIELD ROCK NAME and general description over interval marked	ADOPTED INTERVAL (m cm) ADOPT LENGTH FROM COLLAR m cm	GRAPHIC LOG BRACKETS & MARKERS (M)	OBSERVATIONS	
					Commence with length from collar, either point (relates to marker) or from to (relates to brackets)	MINERALIZATION

SUMMARY DRILL LOG M3D 15

TRILONE TO 3m No Core			0-3m	0	Versure 50mm	Mineralization (excluding veins over 50 mm)
3-65 Very weathered and broken dolomite and py in sticky black clay. GREN SILICEOUS DOLOMITE. Patches mottled grey white due to recrystallization - some approximation of calcite and qtz. More pure creamy colored dolomite in patches up to 3x5cm. Highly brecciated, angular subangular fragments separated by dark grey stained fractures	3-25.65 (21.65)	2	Poor recovery 3m or 35%.	12-14.6 Cavity.	Py, trace Anorthite, calcite, arsenic in bl. clust Py, trace malachite, sp, white trace fluorite as veins, blebs and stringers. Occasional clots of carbonate - sp - py - fluorite to 300 cm.	
DOLOMITE sulphidic lode and weathered dolomite. Full Fe-perthite & qtz-carbonate	25.65-28.5(3.15)	6/7.5	10cm massive qtz, 25cm carbonate, py, sp surrounding large fracture	Py, malachite, fluorite, sp, arsenic, blebs, etc.		
GREY SILICEOUS DOLOMITE. Fractured and weakly altered to talc/serpentine along fractures	28.5-35.33 (6.53)	2/13	10cm massive qtz, 25cm carbonate, py, sp surrounding large fracture	SP, trace py as blebs in brecciated cavities		
QUARTZ-FELSPAR PORPHYRY. Matrix pure creamy grey. Qtz as rounded to-bid grains to 3mm 10%. Felspar cream with yellowish alteration, indistinct outliers to 2-5mm, 3-10%. Well jointed and broken 10-40° WEA. Greenish upper and lower 1/2 of selvages (1m)	35.33-55.82 (20.49)	1	Contact indistinct and ragged.	Py, malachite (blebs and grains to 2mm) trace sp, fluorite, white trace arsenic, cassiterite. Py, malachite, fluorite and brecciated. Py, malachite, sp, fluorite - rare to cassiterite. Some weak qtz - carbonate - py - arsenic - fluorite etc.		
TRANSITION SILICIFIED PORPHYRY AND DOLOMITE. Fsp. Porphyritic texture - smoky, grey and yellow	55.82-59.50(3.68)		Underside common, 150	Fluorite phenocrysts up to 10% Py, sp, arsenic, cassiterite, trace arsenic, sp, fluorite		
59.3-60.96 Dolomite sulphide lode 60.9-65 GREY DOLOMITE with QTZ, CALCITE	59.3-65.2 (5.9)	2/18	20cm	SP, py as scarce blebs in brecciated cavities		
Recrystallized DOLOMITE. Brecciated with remnant pieces of grey siliceous dolomite surrounded by pure crystalline dolomite	65.2-72.6 (7.4)	3/10		Trace sp, py and purple and in crystalline fluorite in cavities		
INTERBEDDED MOTTLED GREEN SERPENTINITE (altered dolomite) and SILTSTONE	72.6-77.8 (5.2)	7/10	Brecciated - dolomite veins to 30mm in zones up to 0.5m.	Dolomite veining: sulphides scarce to absent - trace sp, fluorite		
77.8-80.0 MASSIVE SILTSTONES	77.8-80.0	10	Bedding 50°			
END OF HOLE 80.0 m.						

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								
97700		3.0	5.0	2.0	1.46%		250	95	1000	2	35	85	1.64%	Re check of check Assay
1		5.0	7.0	"	3000		130	120	2100	1	30	150		
2		7.0	9.0	"	800									
3		9.0	11.0	"	740									
4		11.0	12.8	1.8	340									
5		14.6	16.6	2.0	65									
6		16.6	18.6	"	140									
7		18.6	20.6	"	4									
97708		20.6	22.6	2.6	65									
09		22.6	23.9	1.3	10									
96441		24.0	26.0	2.0	150									
42		26.0	28.0	"	240									
43		28.0	30.0	"	42									
44		30.0	32.0	"	22									
45		32.0	34.0	"	230									
46		34.0	35.28	1.28	400									
47		35.28	37.28	2.0	840		140	28	810	1	15	25		
48		37.28	39.28	"	520		110	10	1300	1	15	10		
49		39.28	41.28	"	640		150	22	2800	1	30	55		
450		41.28	43.28	"	920		200	20	720	1	45	300		
51		43.28	45.28	"	5100		280	70	120	2	70	800		
52		45.28	47.28	"	1000		190	20	1000	2	25	620		
53		47.28	49.28	"	1750		240	46	100	2	30	230		
54		49.28	51.28	"	1950		200	10	110	2	40	580		
55		51.28	53.28	"	2550		130	45	120	3	35	460		
56		53.28	55.82	2.54	1700		140	75	180	1	15	95		
57		55.82	57.82	2.0	2750		16	X	240	1	25	170		

Notes:— Sn by XRF B1 Method
 X means less than detection limit
 Results above 1.00% B2 Method.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 15
 SAMPLE TYPE : DRILL CORE FROM 3.0 TO 57.82

028379

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								
96458		57.82	59.82	2.0	3750		110	10	470	1	<10	220		
59		59.82	61.82	"	760									
460		61.82	63.82	"	16									
61		63.82	65.82	"	16									
62		65.82	67.82	"	8									
63		67.82	69.82	"	4									
64		69.82	71.82	"	55									
65		71.82	72.92	1.10	500									
66		72.92	74.92	2.0	60									
67		74.92	76.92	"	60									

Notes: - Sn by XRF Bi Method.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 15
 SAMPLE TYPE: DRILL CORE FROM 57.82 TO 76.92

028380

DEPTH (m)	ROCK UNIT	MINERALISATION	NOTES
0-12	TRILONE TO 3m - NO CORE		
12-15	300-715 RECRYSTALLISED DOLOMITE, faulted. Possibly some matrix 3.0-3.5m. Grey, weakly mottled dolomite and creamy coloured recrystallised dolomite as rounded clasts surrounded by calcite, qtz and other carbonates with inclusions of black pyggy material (decomposed sulphides?). Faulted and sheared - soft chalky texture in places.	pg, marcasite, fluorite, trace arseno; dissem as blebs and grains and in veinlets with carbonates and qtz. Weathered and decomposed - original percentage difficult to estimate	2-3%
15-35.33	DOLOMITE WITH CALCITE AND QUARTZ. Had grey fine grained dolomite in a strongly brecciated fabric. Occasional patches dark grey, almost black, grading into bleached portions with a strong brecciation. Extensively fractured - fine grey fractures in dolomite have superimposed disruption due to later faulting. Calcite and qtz occur interstitially between breccia clasts and along fractures; patches up to 5x6 cm. Fine yellowish clay films on fracture surfaces; also 20m some talcose alteration (see below). Cavity 12.8-14.6m.	7-15-25.6 pg, trace marcasite, fluorite, sp in small veins, blebs and stringers. Occasional 5-6cm patches of intergrowings marcasite, fluorite, sp with qtz and carbonates.	2-3%
20.45-25.6	Minor greenish talcose and dark grey serpentinous alteration along fracture planes, otherwise as above.		
25.6-26.7	Increased talcose alteration with some sulphides etc.		
26.7-27.8	Grey/cream unaltered dolomite, calc and serpeninite along fractures.		
27.8-28.8	greyish green talc/dark grey serpeninite with minor unaltered dolomite.		
28.8-35.33	grey unaltered dolomite, thin films talc etc as for 20.4-25.6.		
35.33-35.82	QUARTZ FELSPAR PORPHYRY. Matrix pale grey with a faint yellowish tinge near margins. Hard, finely crystalline and well jointed, minor qtz, fluorite deposition on some joint faces. Phenocrysts: qtz, rounded, subhedral grains to 5mm, 10% smaller near margins < 3mm. Felspar - had, (altered) yellowish white to 3mm, 3-10%. Some purple fluorite to 1%, 2mm, occurs patchily throughout.	35.33-37.8 pg, marcasite as rounded aggregates to 6mm. Fluorite sp to 1%, rare grains cassit. Some minor carbonates. qtz - sp. fluorite - pg matrix veining to 5mm.	15%
37.8-41.8		37.8-41.8 pg, marcasite, trace sp, fluorite, arseno, rare cassit. Rounded grains to 3mm. Some rare veining as above 35.3-37.8.	7-10%
41.8-44.4		41.8-44.4 pg, trace sp, arseno. rare cassit? Fluorite (deep purple) to 3mm, finely dissem.	20-25%
44.4-47.3		44.4-47.3 pg, marcasite as fine aggregates and clots to 15mm. Dissem fluorite to 10%, sparse thin pg-marcasite-qtz-carbonate-fluorite-sp veins.	15%
47.3-48.9		47.3-48.9 pg, marcasite trace arseno, sp and cassit as fine aggregates.	30%
48.9-50.0		48.9-50.0 pg, marcasite, fluorite trace sp.	11%
50.0-54.4		50.0-54.4 pg, marcasite variable 10-25%. Abundant purple brown and green fluorite (to 3.6%) Trace sp. Some weak carbonate - fluorite veining, sections of groundmass are stained purple about these veins due to fine fluorite. Rare a fine cassit.	15%
54.4-55.82	Decrease in size of phenocrysts, matrix yellowish cream qtz 5%. Felspar 7-10%.		
55.82-57.28	'Apitic looking' PORPHYRY. Matrix dark smoky grey, fine gr. with small phenocrysts of qtz and felspar to 3mm. Felspar 3-5%, qtz 2-3%. Fluorite 3-5%.		
57.28-58.34	DOLOMITE SULPHIDE LODGE. Soft dark bluish grey (fluorite rich) serpeninite (?) with some rounded recrystallised dolomite clasts. Some white phenocrysts to 3mm. Felspar 7-10%.		
58.34-59.30	MIXED 'apitic looking' PORPHYRY and DSL. Mixture of the above two rock types 35.82-58.34 on a 10cm scale. Some greenish black serpeninite with a little talc.		
59.30-60.0	DOLOMITE SULPHIDE LODGE. Green talc, grey serpeninite and recrystallised carbonates/qtz. Surrounding clasts of grey dolomite. Alteration gradually diminishes to 60-90, after which it is confined to discrete fracture zones.		
60.0-65.2	DOLOMITE WITH QTZ AND CALCITE. As for 20.45-25.6, above.		
65.2-72.6	RECRYSTALLISED DOLOMITE. Grossly brecciated fabric - embayed, angular pieces of dark grey silicified dolomite enclosed in banded, creamy coloured almost pure recrystallised dolomite. Some weak alteration of remnant dolomite clasts to talc/serpeninite.		
72.6-77.0	INTERBEDDED ALTERED DOLOMITE AND SILTSTONE. Brecciated, with clasts of bedded siltstone intercalated with an unusually textured altered dolomite. The matrix is soft greenish black talc/serpeninite with cross crossing pale grey non penetrative zones of carbonate enrichment to 2mm thick. These carbonate veinlets transgress bedding in the siltstone and are closely spaced (< 10mm separation). The siltstones are dark grey, clay rich, medium soft and thinly bedded/brecciated.		
77.0-80.0	SILTSTONES, thinly bedded. Dark grey clay rich siltstones, thinly bedded and weakly scissile (?). Brecciated - soft sediment deformation and later fracturing/microfaulting. The later fracture planes have coatings of soft green talcose material.		
80.0	END OF HOLE 80.0m.		

<p>METALS EXPLORATION LIMITED</p>	<p>MINERAL EXPLORATION DRILL LOG</p> <p>Scale 1:100</p>	<p>Prospect or project: Mt Bischoff</p> <p>Logged by: C. BRODSENT date: 17/1/80</p>	<p>HOLE No. M8D 15</p> <p>LOG SHEET 2 OF 2</p> <p>from 0.0m to 80.0 m.</p>
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