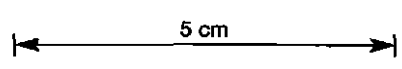




Prospect, area, project or mine. MT. BISCHOFF TIN		HOLE No. <u>MBD 78</u>
COLLAR LOCATION		Magnetic bearing of true and grid norths at collar (* = observed)
Grid name	Rectangular space co-ordinates PLANAR CO-ORDINATES	
	ELEVATION	
(1) _____	2180.84 N 1358.07 E	695.02
(2) _____	_____ N _____ E	_____
(3) Aust. Map Grid	_____ mE _____ mN	_____ m A.H.D.
PRECISE / APPROX.		G.N.(1) _____ mag
1: 250 000 Sheet No. SK55-3		G.N.(2) _____ mag
1: 100 000 Sheet No. 8015		G.N.(3) _____ mag
State Tasmania		T.N. _____ mag
Mineral Tenement <u>E.L. 13/79</u>	Holder <u>Metals Exploration Ltd.</u>	Inclination at collar <u>-76°</u>
Cadastral location and details <u>Mt. Bischoff mine area, on crown land northerly of Waratah.</u>		Total length <u>224.0 m</u>
Details of down hole location - survey methods.		Commenced: <u>4 / 6 / 81</u>
Purpose of drilling and anticipated lengths to targets.		Completed: <u>19 / 6 / 81</u>
Test the Queen Dyke Porphyry from 105-110 m.		Drilling contractor <u>PARRY EXPLORATION DRILLING.</u>
Eastman Single Shot		Rig type <u>BOYLES 37</u>
Camera.		Core size and non-coring (NC)
Results of down hole location - survey.		TRICONE <u>0</u> TO <u>3.0</u>
LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR		
20 m	015	77
50 m	013	77 1/2
80 m	019	77 1/2
110 m	018	78
140 m	022	78
170 m	018	78
194 m	024	79 1/2
224 m	017	80
Comments on drilling.		NO <u>3.0</u> TO <u>224.0</u>
Legend for graphic log column		TO _____
FIELD ROCK NAME, ETC.		TO _____
1	Porphyry.	TO _____
2	Dolomite	TO _____
3	Recrystallised dolomite	TO _____
4	Dolomite sulphide lode - pyrrhotite rich.	TO _____
5	Dolomite sulphide lode - pyrite rich.	TO _____
6	Dolomite sulphide lode - talc rich.	TO _____
7	Dolomite sulphide lode - serpentinite rich.	TO _____
8	Dolomite sulphide lode - quartz / carbonate rich.	TO _____
9 / c	Shale / carbonaceous.	TO _____
10	Siltstone.	TO _____
11 / s	Quartzite / sandstone.	TO _____
12	Tuff.	TO _____
LOGGED BY <u>D. COMPSTON</u>	LOGGED BY _____	LOGGED BY _____
FROM <u>0</u> TO <u>224.0</u>	FROM _____ TO _____	FROM _____ TO _____
DATE _____	DATE _____	DATE _____
Company managing exploration programme.		SUMMARY LOG
Metals Exploration Ltd.		
		HOLE No. <u>MBD 78</u>
		Log sheet 1 of 3

DEPTH (length from collar)	DEPTH from - to : ROCK UNIT Depth Description and notes INDENTED ABOUT 10mm	CAPITAL LETTERS, UNDERLINED	POINTER & CODE	GRAPHIC LOG	POINTER & CODE	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS Ni
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NOTES: 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED.), MONOGRAPH NO. 9, AUSTRALAS. INST. MIN. METALL., 1978
 2. ATTITUDE OF BEDDING, VEIN, ETC IS ANGLE BETWEEN PLANAR STRUCTURE AND LONG AXIS OF CORE 3. LENGTH IS GIVEN AS METRES OR MILLIMETRES.

0	0 - 3.0: <u>TRICONE</u> , no core.							
20	3.0 - 29.5: <u>SILTSTONE, QUARTZITE</u> . Moderately to strongly disrupted in parts. Siltstone and quartzite interbedded on scale of 1 - 5 cm. Rare thick Qtzite. Minor py veins.			10/ 11		py - trace in veins and stringers.		
40	46.7 29.5 - 76.2: <u>QUARTZITE, lesser SILTSTONE</u> . Mainly thick, massive quartzite beds up to 3.0 m. Minor siltstone occurs between quartzite and also interbedded thinly with Qtzite. Occasional py veins.			11/ 10		py, sph trace in thin veins and stringers.		
80	51.1 76.2 - 127.3: <u>QUARTZITE, SILTSTONE</u> . Moderately disrupted in parts. Interbedded siltstone and quartzite. Beds usually 1 - 5 cm, with occasional Qtzite beds to 1.5 m. Py veins common.			11/ 10		trace py in veins and stringers.		
100	103.4 - 104.0: clay? Fault Pug?							
120								

FOR LEGEND
SEE DRAWING
NO.



**METALS
EXPLORATION
LIMITED**

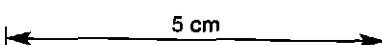
**SUMMARY
DRILL LOG**
Scale

Prospect or project
Mt. Bischoff Tin

HOLE No. MBD 78
LOG SHEET 2 OF 3

DEPTH (length from collar)	INTERVAL	DEPTH from - to : ROCK UNIT CAPITAL LETTERS, UNDERLINED Depth: Description and notes INDENTED ABOUT 10mm	POINT & CODE	GRAPHIC LOG	POINT & CODE	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS Ni
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NOTES: 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED.), MONOGRAPH NO. 9 AUSTRALAS. INST. MIN. METALL. - 1976
 2. ATTITUDE OF BEDDING, VEIN, ETC. IS ANGLE BETWEEN PLANAR STRUCTURE AND LONG AXIS OF CORE 3. LENGTH IS GIVEN AS METRES OR MILLIMETRES.

120								
		127.3 - 139.4: <u>QUARTZITE</u> , minor <u>SILTSTONE</u> . Mainly massive, fine qtzite, in beds 30 - 80 cm thick, with minor thin siltstone beds.		11/ 10		py trace in thin veins and stringers also occasionally disseminated through quartzite.		
140		139.4 - 147.5: <u>SILTSTONE</u> , lesser <u>QUARTZITE</u> . Moderately disrupted in parts. Thinly interbedded siltstone and qtzite. Beds usually < 2 cm.		10/ 11		trace py in rare veins and stringers.		
		147.5 - 165.0: <u>QUARTZITE</u> , <u>SILTSTONE</u> . Weakly disrupted in parts. Rhythmically interbedded fine quartzite and siltstone (2 - 5 cm beds). Occasional thicker qtzite.		10/ 11		trace py in thin veins and stringers.		
160								
		165.0 - 183.3: <u>SHALE</u> , <u>SILTSTONE</u> , lesser <u>QUARTZITE</u> . Moderately disrupted in parts. Thinly interbedded light grey shale and siltstone, with lesser fine quartzite.		9/10/ 11		trace py in thin veins and stringers.		
180								
		183.3 - 219.3: <u>PORPHYRY</u> . Matrix mainly translucent grey/brown. Strongly sensitized in parts. 7 - 10% qtz. phenocrysts to 7 mm. Py - coarsely disseminated and as veins.		1		10% py - as coarsely disseminated grains, and occasional veins.		
200								
		219.3 - 224.0: <u>QUARTZITE</u> , lesser <u>SILTSTONE</u> . Moderately disrupted, mainly fine quartzite in < 30 cm beds, with lesser thinner siltstone.		11/ 11				
220								
		END OF HOLE 224.0 m.						
								
240								

FOR LEGEND
SEE DRAWING
NO.



**METALS
EXPLORATION
LIMITED**

**SUMMARY
DRILL LOG**
Scale

Prospect or project
Mt. Bischoff Tin

HOLE No. MBD 78
LOG SHEET 3 OF 3

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER VAL	Sn	Sn	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
	124161	30	50	20		X								
	62	50	70	"		X								
	63	70	90	"		X								
	64	90	110	"		10								
	65	110	130	"		10								
	66	130	150	"		X								
	67	150	170	"		X								
	68	170	190	"		20								
	69	190	210	"		20								
	70	210	230	"		35								
	71	230	250	"		80								
	72	250	270	"		220								
	73	270	290	"		730								
	74	290	310	"		560								
	75	310	330	"		290								
	76	330	350	"		140								
	77	350	370	"		90								
	78	370	390	"		210								
	79	390	410	"		170								
	180	410	430	"		170								
	81	430	450	"		590								
	82	450	470	"		490								
	83	470	490	"		310								
	84	490	510	"		810								
	85	510	530	"		330								
	86	530	550	"		640								
	87	550	570	"		990								
	88	570	590	"		410								
	89	590	610	"		620								
	190	610	630	"		330								

Notes: - XRF OIA method

X = < 4

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. m80 78

SAMPLE TYPE : DRILL CORE

brand

FROM 30 TO 630

832295 286

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER VAL	Sn	Sn	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
	124191	630	650	20		340								
	92	650	670	"		7300								
	93	670	690	"		970								
	94	690	710	"		880								
	95	710	730	"		1300								
	96	730	750	"		2600								
	97	750	770	"		1150								
	98	770	790	"		4200								
	99	790	810	"		420								
	124200	810	830	"		490								
	01	830	850	"		830								
	02	850	870	"		2400								
	03	870	890	"		170								
	04	890	910	"		100								
	05	910	930	"		65								
	06	930	950	"		55								
	07	950	970	"		60								
	08	970	990	"		55								
	09	990	1010	"		180								
	20	1010	1030	"		290								
	11	1030	1050	"		65								
	12	1050	1070	"		65								
	13	1070	1090	"		590								
	14	1090	1110	"		420								
	15	1110	1130	"		120								
	16	1130	1150	"		65								
	17	1150	1170	"		200								
	18	1170	1190	"		270								
	19	1190	1210	"		1900								
	220	1210	1230	"		540								

Notes:—

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 78
 SAMPLE TYPE : DRILL CORE FROM 630 TO 1230
 Ground

832296287

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER VAL	Sn	Sn	Cu.	Pb	Zn	Kg	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
	124221	1230	1250	20										
	22	1250	1270	"										
	23	1270	1290	"										
	24	1290	1310	"										
	124222	1310	1330	"										
	29	1330	1350	"										
	230	1350	1370	"										
	31	1370	1390	"										
	32	1390	1410	"										
	33	1410	1430	"										
	34	1430	1450	"										
	35	1450	1470	"										
	36	1470	1490	"										
	37	1490	1510	"										
	38	1510	1530	"										
	39	1530	1550	"										
	240	1550	1570	"										
	41	1570	1590	"										
	42	1590	1610	"										
	43	1610	1630	"										
	44	1630	1650	"										
	45	1650	1670	"										
	46	1670	1690	"										
	47	1690	1710	"										
	48	1710	1730	"										
	49	1730	1750	"										
	250	1750	1770	"										
	51	1770	1790	"										
	52	1790	1810	"										
	53	1810	1823	13										

Notes:—

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. m80 78

SAMPLE TYPE : DRILL CORE

FROM 1230 TO 1823

ground

007 / 62252

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER .VAL	Sn	Sn	Cu	Pb	Zn	Kg	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
124360		182.3	183.3	1.0	460									
61		183.3	184.3	"	300									
62		184.3	185.3	"	140									
124536		185.3	186.3	"	200									
37		186.3	187.3	"	1200									
38		187.3	188.3	"	290									
39		188.3	189.3	"	120									
540		189.3	190.3	"	320									
41		190.3	191.3	"	770									
42		191.3	192.3	"	1250									
43		192.3	193.3	"	430									
44		193.3	194.3	"	2400									
45		194.3	195.3	"	460									
46		195.3	196.3	"	85									
47		196.3	197.3	"	370									
48		197.3	198.3	"	560									
49		198.3	199.3	"	510									
550		199.3	200.3	"	410									
51		200.3	201.3	"	410									
52		201.3	202.3	"	690									
53		202.3	203.3	"	290									
54		203.3	204.3	"	590									
55		204.3	205.3	"	260									
56		205.3	206.3	"	140									
57		206.3	207.3	"	200									
58		207.3	208.3	"	460									
59		208.3	209.3	"	300									
560		209.3	210.3	"	320									
61		210.3	211.3	"	200									
62		211.3	212.3	"	300									

Notes: -

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. m80 78
 SAMPLE TYPE : DRILL CORE FROM 182.3 TO 212.3

832298
289

