

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES



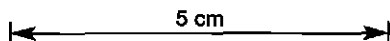
MINERAL EXPLORATION
DIAMOND DRILL LOG

Prospect, area, project or mine MT. BISCHOFF TIN		HOLE No. <u>MBD 104</u>
COLLAR LOCATION		Magnetic bearing of true and grid norths at collar (* = observed)
Grid name	Rectangular space co-ordinates	
PLANAR CO-ORDINATES ELEVATION		
(1) _____	_____ 1909.80 _____ N _____ 979.98 _____ E _____ 643.33 _____	G.N.(1) _____ mag
(2) _____	_____ _____ N _____ _____ E _____ _____	G.N.(2) _____ mag
(3) Aust. Map Grid _____	_____ mE _____ mN _____ m A.H.D.	G.N.(3) _____ mag
PRECISE / APPROX.		T.N. _____ mag
1: 250 000 Sheet No. SK 55-3	1: 100 000 Sheet No. 8015	State Tasmania
Mineral Tenement <u>E.L. 13/79</u>	Holder <u>Metals Exploration Ltd.</u>	
Cadastral location and details <u>Mt. Bischoff mine area, on crown land northerly of Waratah.</u>	Inclination at collar <u>81°/180°</u>	
		Total length <u>83.0 m</u>
		Commenced: <u>26 / 8 / 81</u>
		Completed: <u>29 / 8 / 81</u>
Details of down hole location - survey methods.	Purpose of drilling and anticipated lengths to targets.	
<u>Eastman Single Shot</u>	<u>To test possible DSL extension from known positions on 980E section.</u>	
<u>Camera</u>		
		Drilling contractor <u>PARRY EXPLORATION DRILLING</u>
		Rig type <u>BOYLES 37</u>
		Core size and non-coring (NC)
		TRICONE <u>0</u> TO <u>3.0</u>
		NO <u>3.0</u> TO <u>83.0</u>
		_____ TO _____
		_____ TO _____
		_____ TO _____
		_____ TO _____
		_____ TO _____
Results of down hole location - survey.		Comments on drilling.
LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR		
<u>30.5</u>	<u>154°</u>	<u>80°</u>
<u>60.5</u>	<u>155°</u>	<u>80°</u>
<u>81.5</u>	<u>153°</u>	<u>81°</u>
		Legend for graphic log column
		FIELD ROCK NAME, ETC.
1	Porphyry.	
2	Dolomite	
3	Recrystallised dolomite	
4	Dolomite sulphide lode - pyrrhotite rich.	
5	Dolomite sulphide lode - pyrite rich.	
6	Dolomite sulphide lode - talc rich.	
7	Dolomite sulphide lode - serpentinite rich.	
8	Dolomite sulphide lode - quartz/carbonate rich.	
9/c	Shale / carbonaceous.	
10	Siltstone.	
11/s	Quartzite / sandstone.	
12	Tuff.	
LOGGED BY <u>D. COMPSTON</u>		LOGGED BY _____
FROM <u>0</u> TO <u>83.0</u>		FROM _____ TO _____
DATE <u>10/9/81</u>		DATE _____
Company managing exploration programme.		SUMMARY LOG
Metals Exploration Ltd.		HOLE No. <u>MBD 104</u>
		Log sheet 1 of <u>2</u>

DEPTH (length from collar)	DEPTH from - to : ROCK UNIT Depth Description and notes INDENTED ABOUT 10mm	CAPITAL LETTERS, UNDERLINED	POINT & CODE	GRAPHIC LOG	POINT & CODE	MINERALISATION	SEALS 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	3.0	0 - 3.0: <u>TRICONE.</u> Not cored.						
	30.6	3.0 - 33.6: <u>DOLOMITE, minor RECRYSTALLIZED DOLOMITE.</u> Mainly fine grey dolomite, with occasional patches and veins of recrystallized dolomite.		2/3		sph > py sph - finely disseminated and as rare thin veins. py - rare veins and aggregates.		
	2.1	33.6 - 35.7: <u>DOLOMITE SULPHIDE LODGE. WRIGGLITE.</u>		8/5		15% py >> sph > arsenopy		
	8.4	35.7 - 44.1: <u>DOLOMITE, minor RECRYSTALLIZED DOLOMITE.</u> Mainly fine grey dolomite, with minor veins and patches of recrystallized dolomite.		2/3		trace sph - finely disseminated and rare veins.		
40	2.3	44.1 - 46.4: <u>DOLOMITE SULPHIDE LODGE. WRIGGLITE.</u>		5/8		50% py >> sph py - disseminated		
	24.0	46.4 - 70.4: <u>DOLOMITE, minor RECRYSTALLIZED DOLOMITE.</u> Mainly fine grey dolomite, weathered in parts. Occasional patches, up to 1 m, of recrystallized dolomite, with trace sulphides.		2/3		po, sph, py trace disseminated and as rare thin veins with carbonate.		
	3.2	70.4 - 73.6: <u>DOLOMITE SULPHIDE LODGE.</u> 20% po, 30% talc, 25% qtz-carbonate, 15% mica		6/8 4		20% po mainly massive aggregates		
	9.4	73.6 - 83.0: <u>SILTSTONE, lesser QUARTZITE.</u> 73.6 - 77.0: transition zone - dark serpentinous siltstone, with minor po. 77.0 - 83.0: moderately disrupted siltstone and lesser qtzite. Minor carbonate veining.		10/ 11		po - trace in occasional aggregates and stringers. sph, py - trace in veins with carbonate.		
80		END OF HOLE: 83.0 m.						



FOR LEGEND
SEE DRAWING
NO.



**METALS
EXPLORATION**
LIMITED

**SUMMARY
DRILL LOG**

Prospect or project

HOLE No. MHD 104

LOG 5 657

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER .VAL	Sn	Sn	Cu	Pb	Zn	g	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
	126245	30	60	30		290								
	46	60	80	20		30								
	47	80	100	"		36								
	48	100	120	"		60								
	126249	130	150	20		70								
	250	150	170	"		14								
	51	170	190	"		50								
	52	190	210	"		780								
	53	210	230	"		610								
	54	230	250	"		170								
	55	250	270	"		679								
	56	270	290	"										
	57	290	310	"										
	58	310	32.8	1.8										
126529		32.8	33.8	1.0	2000									
590		33.8	34.8	"	4800									
91		34.8	35.8	"	420									
	126261	36.7	39.0	2.3										
	62	39.0	41.0	2.0		210								
	63	41.0	43.0	"		95								
126592		43.0	44.0	1.0	130									
93		44.0	45.0	"	3300									
94		45.0	46.3	1.3	1650									
95		46.3	47.3	1.0	460									
96		47.3	48.3	"	740									
	126266	48.3	50.3	2.0		470								
	67	50.3	52.3	"		400								
	68	52.3	54.3	"		980								

Notes: - XRF BI Method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. 104

SAMPLE TYPE: DRILL CORE

FROM 30 TO 54.3

1
Ground

832445 435

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER VAL	Sn	Sn	Cu	Pb	Zn	g	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
	126269	54.3	56.3	2.0		1650								
126597		56.6	58.1	1.5	480									
	126270	58.1	60.1	2.0		130								
	7E	60.1	62.1	"		360								
	7P	62.1	63.9	1.8		720								
126598		64.0	65.0	1.0	510									
	99	65.0	66.0	"	460									
126700		66.0	67.0	"	45									
	126273	67.0	69.0	2.0		26								
	74	69.0	70.4	1.4		12								
126701		70.4	71.4	1.0	620									
02		71.4	72.4	"	1250									
03		72.4	73.4	"	20									
04		73.4	74.4	"	440									
05		74.4	75.4	"	90									
06		75.4	76.4	"	170									
07		76.4	77.4	"	190									

Notes: - XRF BI method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. 104
 SAMPLE TYPE : DRILL CORE FROM 54.3 TO 77.4
 1
 grand
 No. of +

832446 436