

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES



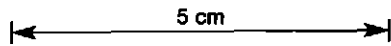
**MINERAL EXPLORATION
DIAMOND DRILL LOG**

Prospect, area, project or mine. <u>MT. BISCHOFF TIN</u>		HOLE No. <u>MBD 98</u>
COLLAR LOCATION		Magnetic bearing of true and grid norths at collar (* = observed)
Grid name	Rectangular space co-ordinates	
	PLANAR CO-ORDINATES	
	ELEVATION	
(1)	<u>1952.68</u> N <u>980.03</u> E <u>644.04</u>	G.N.(1) _____ mag
(2)	_____ N _____ E _____	G.N.(2) _____ mag
(3) Aust. Map Grid	_____ mE _____ mN _____ mAHD.	G.N.(3) _____ mag
PRECISE / APPROX.		T.N. _____ mag
1: 250 000 Sheet No. <u>SK 55-3</u>	1: 100 000 Sheet No. <u>8015</u>	State <u>Tasmania</u>
Mineral Tenement <u>E.L. 13/79</u>	Holder <u>Metals Exploration Ltd.</u>	Inclination at collar <u>-50°</u>
Cadastral location and details <u>Mt. Bischoff mine area, on crown land northerly of Waratah.</u>		Total length <u>58.50</u>
Details of down hole location - survey methods.		Commenced: <u>16 / 7 / 81</u>
Purpose of drilling and anticipated lengths to targets.		Completed: <u>18 / 7 / 81</u>
To test ore grade variability in talc-po DSL in Greisen Face area.		Drilling contractor <u>PARRY EXPL. DRILLING</u>
Results of down hole location - survey.		Rig type <u>BOYLES 37</u>
Comments on drilling.		Core size and non-coring (NC)
Legend for graphic log column		TRICONE <u>0</u> TO <u>1.5</u>
FIELD ROCK NAME, ETC.		HQ <u>1.5</u> TO <u>58.5</u>
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/g Quartzite / sandstone.		TO _____
12 Tuff.		TO _____
LOGGED BY <u>D. COMPSTON</u>		SUMMARY LOG
FROM <u>0</u> TO <u>58.5</u>		
DATE <u>21/1/81</u>		
LOGGED BY _____		HOLE No. <u>MBD 98</u>
FROM _____ TO _____		Log sheet 1 of 2
DATE _____		
Company managing exploration programme.		
<u>Metals Exploration Ltd.</u>		

DEPTH (length from collar)	INTERVAL	DEPTH from - to : ROCK UNIT Depth: Description and notes INDENTED ABOUT 10mm	CAPITAL LETTERS, UNDERLINED	P O I N T E R & C O D E	G R A P H I C L O G	P O I N T E R & C O D E	MINERALISATION	ASSAYS ANALYSE	BULKED ASSAYS Ni

NOTES: 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED.), MONOGRAPH NO. 9. AUSTRALAS. INST. MIN. METALL. - 1974
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 - 1.5: NOT CORED. 1.5 - 2.2: NO CORE.								
11.8	2.2 - 14.0: <u>DOLOMITE, lesser RECRYSTALLIZED DOLOMITE.</u> Mainly finely crystalline, light grey dolomite, with lesser cream recrystallized dolomite as irregular veins and patches.			2/3			2-3% po, py Occasional patches of euhedral py grains up to 8 mm. Po - disseminated through recrystallized patches.		
4.9	14.0 - 18.9: <u>RECRYSTALLIZED DOLOMITE, minor DOLOMITE.</u> Mottled grey/green recrystallized dolomite, with corestones of unaltered grey dolomite.			3/2			1-2% po irregularly disseminated through recrystallized dolomite.		
20	1.3	18.9 - 20.2: <u>SILTSTONE, Highly altered black rock.</u>		10			trace po.		
2.2	20.2 - 22.4: <u>DOLOMITE, minor RECRYSTALLIZED DOLOMITE.</u>			2/3			3% po in irregular veins and patches.		
3.1	22.4 - 25.5: <u>DOLOMITE SULPHIDE LODGE.</u>								
2.4	25.5 - 27.9: <u>DOLOMITE, lesser RECRYSTALLIZED DOL.</u> Mainly dolomite, lesser recrystallized dolomite, minor talc.			2/3			55% po as irregular bands and aggregates. Trace arsenopyrite. trace po, py as irregular veins.		
9.7	27.9 - 37.6: <u>DOLOMITE SULPHIDE LODGE.</u> 27.9-32.5: 30% bronze pyrrhotite, 20% green talc, 20% qtz-carbonate, 30% dolomite and recrystallized dolomite.			4/6/ 8			30% po-irregular aggregates and coarsely disseminated, minor secondary py 60% po - weakly banded. Varies from trace to almost massive locally.		
40	2.1	32.5-37.6: 60% pyrrhotite, 35% talc, 5% re-crystallized.		2/3			po - 2-3% in occasional aggregates.		
11.9	37.6 - 39.7: <u>DOLOMITE, lesser RECRYSTALLIZED DOLOMITE.</u>								
6.9	39.7 - 51.6: <u>DOLOMITE SULPHIDE LODGE.</u> 65% po-almost massive in parts 30% green talc 5% blotchy qtz-carbonate			4/6/ 8			65% po po>arsenopy >cpy po-irregular aggregates and bands. Also disseminated. Varies from 40% to almost massive trace arsenopy disseminated and as rare aggregates, trace finely disseminated cpy		
60	6.9	51.6 - 58.5: <u>SILTSTONE, lesser QUARTZITE.</u> 51.6-52.6: transition zone-altered siltstone with abundant po carbonate. 52.6-58.5: strongly disrupted grey siltstone and lesser, darker qtzite.		10/			51.6-52.6: 20% po-disseminated and in veins. 52.6-58.5: trace po disseminated and in veins. Minor py in veins.		
80	58.5: <u>END OF HOLE.</u>								



FOR LEGEND
SEE DRAWING
NO.



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								
	124797	2.2	4.2	2.0		60								
	98	4.2	6.2	"		220								
	99	6.2	8.2	"		80								
	126200	8.2	10.2	"		380								
	01	10.2	12.2	"		540								
	02	12.2	14.2	"		460								
	03	14.2	16.0	1.8		390								
124986		16.0	17.0	1.0	55									
87		17.0	17.9	0.9	190									
88		17.9	18.9	1.0	240									
89		18.9	20.2	1.3	420									
990		20.2	21.3	1.1	1700									
91		21.3	22.4	1.1	970									
92		22.4	23.4	1.0	1550									
93		23.4	24.4	"	X									
94		24.4	25.5	1.1	X									
95		25.5	27.0	1.5	4450									
96		27.0	27.9	0.9	1800									
97		27.9	29.0	1.1	210									
98		29.0	29.7	0.7	2100									
99		29.7	30.7	1.0	3200									
126300		30.7	31.7	"	2300									
01		31.7	32.6	0.9	5450									
02		32.6	33.6	1.0	7900									
03		33.6	34.6	"	2550									
04		34.6	35.6	"	1.55%									
05		35.6	36.4	0.8	3.15%									
06		36.4	37.6	1.2	1.25%									
07		37.6	38.6	1.0	480									
08		38.6	39.7	1.1	1000									

Notes: - XRF 214 method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO, MBD 98

SAMPLE TYPE : DRILL CORE FROM 2.2 TO 39.7

Ground Split

832382
372

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								
126309		39.7	41.2	1.5	1.35%									
310		41.2	42.6	1.4	1.90%									
11		42.6	43.9	1.3	1.10									
12		43.9	45.1	1.2	1.40									
13		45.1	46.0	0.9	1.40%									
14		46.0	47.0	1.0	2.80%									
15		47.0	48.0	"	2.50%									
16		48.0	49.0	"	4.15%									
17		49.0	50.0	"	4.75%									
18		50.0	51.0	"	2.70									
19		51.0	51.6	0.6	2.50%									
320		51.6	52.7	1.1	3.800									
21		52.7	53.7	1.0	2.300									

832383
373

Notes: —

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 98
 SAMPLE TYPE : DRILL CORE FROM 39.7 TO 53.7