

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES



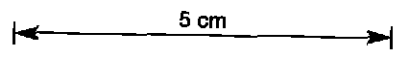
MINERAL EXPLORATION
DIAMOND DRILL LOG

Prospect, area, project or mine. <u>MT. BISCHOFF TIN</u>		HOLE No. <u>MBD 97</u>
COLLAR LOCATION		Magnetic bearing of true and grid norths at collar (* = observed)
Grid name	Rectangular space co-ordinates	
PLANAR CO-ORDINATES		
(1) _____	_____ N _____ E _____	ELEVATION _____
(2) _____	_____ N _____ E _____	G.N.(1) _____ mag
(3) Aust. Map Grid	_____ mE _____ mN _____ m A.H.D.	G.N.(2) _____ mag
PRECISE / APPROX.		G.N.(3) _____ mag
1: 250 000 Sheet No. <u>SK 55-3</u>	1: 100 000 Sheet No. <u>8015</u>	T.N. _____ mag
State <u>Tasmania</u>		Inclination at collar <u>-50°</u>
Mineral Tenement <u>E.L. 13/79</u>	Holder <u>Metals Exploration Ltd.</u>	Total length <u>72.0</u>
Cadastral location and details <u>Mt. Bischoff mine area, on crown land northerly of Waratah.</u>		Commenced: <u>14 / 7 / 81</u>
		Completed: <u>16 / 7 / 81</u>
Details of down hole location-survey methods.		Drilling contractor
<u>Eastman Single Shot Camera.</u>	Purpose of drilling and anticipated lengths to targets.	<u>FARRY EXPL. DRILLING.</u>
	<u>To test grade variability in talc-po DSL in Greisen Face area.</u>	Rig type
		<u>BOYLES 37</u>
Results of down hole location-survey.		Core size and non-coring (NC)
LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR		
<u>28 m</u>	<u>345°</u>	<u>50°</u>
<u>72 m</u>	<u>314°</u>	<u>50°</u>
Comments on drilling.		TRICONE <u>0</u> TO <u>1.5</u>
		HQ <u>1.5</u> TO <u>72.0</u>
		_____ TO _____
		_____ TO _____
		_____ TO _____
		_____ TO _____
Legend for graphic log column		Symbols and abbreviations
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 _____	LOGGED BY _____
FROM <u>0</u> TO <u>72.0</u>	FROM _____ TO _____	FROM _____ TO _____
DATE <u>20/8/81</u>	DATE _____	DATE _____
Company managing exploration programme.		SUMMARY LOG
<u>Metals Exploration Ltd.</u>		HOLE No. <u>MBD 97</u>
		Log sheet 1 of <u>2</u>

DEPTH (length from collar)	INTERVAL	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 (EDS), 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 MILLIMETRE:

0	1.5	0 - 1.5: NOT CORED							
	10.7	1.5 - 12.2: <u>DOLOMITE</u> , minor RECRYSTALLIZED <u>DOLOMITE</u> . Finely crystalline light grey dolomite with minor patches of cream recrystallized dolomite. Minor sulphides and talc in recrystallized dolomite.			2/3		TRACE sph, po disseminated through recrystallized dolomite. Minor veins.		
	2.1	12.2 - 14.3: <u>DOLOMITE SULPHIDE LODE</u> . Mainly "WRIGGLITE" with lesser coarse qtz carbonate.					py >> po 5% - finely disseminated.		
	7.7	14.3 - 22.0: <u>DOLOMITE</u> , minor RECRYSTALLIZED <u>DOLOMITE</u> . Fine, pale grey dolomite with speckled (cream) appearance in parts. Minor patches of coarsely recrystallized dolomite.			2/3		po TRACE disseminated through recrystallized dolomite. Trace fluorite, vivianite.		
20	2.1	22.0 - 24.1: <u>DOLOMITE SULPHIDE LODE</u> . Mainly wrigglite					po > py 15% finely disseminated.		
	2.9	24.1 - 27.0: <u>DOLOMITE</u> , minor <u>DOLOMITE SULPHIDE LODE</u> . Mainly pale grey dolomite, with minor irregular talc patches.			2/6		po - finely disseminated in talc-rich DSL 2-3%		
	38.2	27.0 - 65.2: <u>DOLOMITE SULPHIDE LODE</u> . 27.0-30.6: 90% talc 10% ?serpentine Rare dolomite corestones. 30.6-31.5: 85% qtz-carbonate 10% talc 5% po 31.5-37.3: 75% pyrrhotite-from 50% to almost massive locally. Weakly banded. 25% dark green talc 37.3-46.3: 55% talc 45% pyrrhotite Minor blotchy qtz-carbonate 46.3-50.0: 50% blotchy qtz-carbonate 35% talc 15% disseminated po 50.0-54.3: 50% talc 30% po 20% dark green ?serpentine 54.3-56.3: 45% qtz-carbonate 40% po 15% talc 56.3-65.2: 45% po 30% talc 25% blotchy qtz-carbonate			6/7 8/6 4 4/6 6/4 8/6 4 6/4 7 8/4 6 4/6 8		27.0-31.5: trace finely dissem. po, minor secondary py. 31.5-37.3: 75% po-weakly banded minor secondary py, trace dissem. arsenopy, cpy. 37.3-46.3: 40% po as above 46.3-50.0: 15% finely dissem. po, up to 50% locally. Trace very fine cpy dissem. in po. 40.0-54.3: 30% po as for 31.5-37.3. 54.3-62.5: 45% po as above.		
40	6.8	65.2 - 72.0: <u>SILTSTONE</u> , lesser <u>QUARTZITE</u> . 65.2-66.2: transition zone-altered siltstone. 66.2-72.0: strongly disrupted, grey siliceous siltstone with lesser darker qtz. Occasional veins of carbonate + py + fl.			10/ 11		2-3% po > py po-disseminated in parts, and in thin veins and stringers. py in veins and stringers.		
60		72.0: <u>END OF HOLE</u> .							
80									



FOR LEGEND
SEE DRAWING
NO.



**METALS
EXPLORATION**

**SUMMARY
DRILL LOG**

Prospect or project

HOLE No. MBD 97

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								
	124790	15	42	27		25								
	124791	5.3	7.3	20		250								
	92	7.3	9.3	"		120								
	93	9.3	11.2	19		280								
124937		11.2	12.2	10	440									
38		12.2	13.7	15	2200									
39		13.7	14.3	0.6	9100									
940		14.3	15.3	10	130									
	124794	15.3	17.3	20		85								
	95	17.3	19.3	"		190								
	96	19.3	21.0	17		85								
124941		21.0	22.0	10	650									
42		22.0	23.0	"	5200									
43		23.0	24.1	1.1	6800									
44		24.1	25.1	1.0	720									
45		25.1	26.0	0.9	1400									
46		26.0	27.0	1.0	180									
47		27.0	28.0	"	1400									
48		28.0	29.0	"	2500									
49		29.0	30.0	"	1.56%									
950		30.0	30.6	0.6	2.90%									
51		30.6	31.5	0.9	0.999%									
52		31.5	32.5	1.0	3700									
53		32.5	33.5	"	70									
54		33.5	34.5	"	190									
55		34.5	35.5	"	2.16%									
56		35.5	37.0	1.5	229%									
57		37.0	38.0	1.0	700									
58		38.0	39.0	"	4.72%									

Notes: -XRF J14 Method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 97

SAMPLE TYPE : DRILL CORE FROM 15 TO 39.0

832378

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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								
124959		39.0	40.0	1.0	3.99%									
960		40.0	41.0	"	2.03%									
61		41.0	42.0	"	1.13%									
62		42.0	43.0	"	2.01%									
63		43.0	44.0	"	4400									
64		44.0	45.0	"	1900									
65		45.0	46.3	1.3	4500									
66		46.3	47.1	0.8	7900									
67		47.1	48.5	1.4	3200									
68		48.5	50.0	1.5	1200									
69		50.0	51.0	1.0	2600									
970		51.0	52.0	"	0.980%									
71		52.0	53.0	"	1.25%									
72		53.0	54.0	"	1.91%									
73		54.0	54.8	0.8	3900									
74		54.8	55.6	"	60									
75		55.6	56.3	0.7	35									
76		56.3	57.3	1.0	20									
77		57.3	58.3	"	15									
78		58.3	59.3	"	10									
79		59.3	60.3	"	20									
980		60.3	61.3	"	15									
81		61.3	62.3	"	35									
82		62.3	63.3	"	35									
83		63.3	64.3	"	30									
84		64.3	65.2	0.9	20									
85		65.2	66.3	1.1	110									

Notes: -

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 97

SAMPLE TYPE : DRILL CORE

FROM 39.0 TO 66.3

832379

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