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METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES

MINERAL EXPLORATION
DIAMOND DRILL LOG

Prospect, area, project or mine: MT. BISCHOFF TIN

HOLE No. MBD 105

COLLAR LOCATION

Grid name | Rectangular space co-ordinates: PLANAR CO-ORDINATES | ELEVATION

(1) _____ 1850.21 N 1020.03 E 643.67

(2) _____ _____ N _____ E _____

(3) Aust. Map Grid (PRECISE / APPROX.) _____ mE _____ mN _____ m A.H.D.

Magnetic bearing of true and grid norths at collar (* = observed)

G.N.(1) _____ mag

G.N.(2) _____ mag

G.N.(3) _____ mag

T.N. _____ mag

1:250 000 Sheet No. SK55-3

1:100 000 Sheet No. 8015

State Tasmania

Mineral Tenement E.L. 13/79

Holder Metals Exploration Ltd.

Cadastral location and details: Mt. Bischoff mine area, on crown land northerly of Waratah.

Inclination at collar 90°

Total length 77 m

Commenced: 31 / 8 / 81

Completed: 7 / 9 / 81

Drilling contractor: PARRY EXPLORATION DRILLING

Rig type: BOYLES 37

Details of down hole location-survey methods: Eastman Single Shot Camera

Purpose of drilling and anticipated lengths to targets: To check accuracy of previous hole (H 3) and test for possible DSL below porphyry.

Core size and non-coring (NC)

TRICONE	0	TO	25.5
NQ	25.5	TO	72.0
BQ	72.0	TO	77.0
		TO	
		TO	
		TO	

Results of down hole location-survey.

LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR		
46.0 m	296°	89°
76.0 m	271°	89°

Comments on drilling: No rock core until 34.2 m. Broken ground common. Rods stuck at 63 m. Fired off - 4 x 3 m NQ rods + 1.5 m core barrel. *UNEXPLODED CHARGE BELIEVED TO BE AT BOTTOM OF HOLE*****

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.

Symbols and abbreviations

LOGGED BY D. COMPSTON FROM 0 TO 77.0 DATE 16/9/81

LOGGED BY _____ FROM _____ TO _____ DATE _____

LOGGED BY _____ FROM _____ TO _____ DATE _____

Company managing exploration programme: Metals Exploration Ltd.

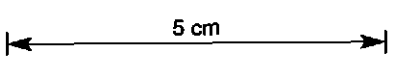
SUMMARY LOG

HOLE No. MBD 105

Log sheet 1 of 2

DEPTH (length from collar)	INTERVAL	DEPTH from - to : ROCK UNIT (CAPITAL LETTERS, UNDERLINED) Depth : Description and notes (INDENTED ABOUT 10mm)	POINTER & CODE	GRAPHIC LOG	POINTER & CODE	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS Ni
0	25.5	0 - 25.5: TRICONE. Not cored.						
20	8.7	25.5 - 34.2: CLAY. Possibly fault pug. Very poor recovery. Mainly brown to off-white clay. Minor fragments of chert.						
	3.1	34.2 - 37.3: TRANSITION ZONE. Mainly py in hard siliceous matrix. Deeply weathered.				50% py in bands and aggregates.		
40	28.2	37.3 - 65.5: PORPHYRY. Translucent white-grey matrix, altered in parts to soft opaque brown-red material. 20% qtz penocrysts, up to 12 mm. 15% coarsely disseminated py, weathered in most parts.		1		15% coarsely disseminated py		
60	4.1	65.5 - 69.6: DOLOMITE SULPHIDE LODE. Mainly banded "wrigglite". Minor qtz-carb and py.		5/8		15% finely disseminated py		
	7.4	69.6 - 77.0: SILTSTONE, minor QUARTZITE. Moderately disrupted fine siltstone, with lesser qtzite in beds to 10 cm. Rare thin carbonate veins.		10/11		trace py, sph in veins		
80		END OF HOLE: 77.0 m.						

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.



FOR LEGEND SEE DRAWING NO.

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG

Scale

Prospect or project

HOLE No. NBD 105

LOG SHEET 2 OF 2

SAMPLE NO.	SAMPLE NO	FROM	TO	INTERVAL	Sn	Sn	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
126708		25.5	27.5	2.0	90									
09		27.5	28.5	1.0	32									
710		28.5	29.5	"	270									
11		29.5	33.1	2.6	60									
12		33.1	34.1	1.0	350									
13		34.1	35.1	"	8000									
14		35.1	36.1	"	1.47%	*								
15		36.1	37.3	1.2	1.65%	*								
16		37.3	38.3	1.0	1450									
17		38.3	39.3	"	2800									
18		39.3	40.3	"	1100									
19		40.3	41.3	"	7200									
720		41.3	42.3	"	3050									
21		42.3	43.3	"	2350									
22		43.3	44.3	"	1700									
23		44.3	45.3	"	3650									
24		45.3	46.3	"	940									
25		46.3	47.3	"	1900									
26		47.3	48.3	"	4050									
27		48.3	49.3	"	4050									
28		49.3	50.3	"	1.03%									
126729		50.3	51.3	"	7200									
730		51.3	52.3	"	7900									
31		52.3	53.3	"	4500									
32		53.3	54.3	"	6100									
33		54.3	55.6	1.3	2650									
34		55.6	57.5	1.9	9600									
35		57.5	58.5	1.0	3900									
36		58.5	59.5	"	1950									
37		59.5	60.5	"	6900									

Notes :— XRF BI Method
* This result has been determined by Lode BP.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 105

SAMPLE TYPE : DRILL CORE FROM 25.5 TO 60.5

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								
126738		60.5	61.5	1.0	720									
39		61.5	62.5	"	900									
740		62.5	63.5	"	6900									
41		63.5	64.9	1.4	7900									
42		64.9	66.5	1.6	1.02%									
43		66.5	67.5	1.0	6300									
44		67.5	68.5	"	5200									
45		68.5	69.7	1.2	1.24%									
46		69.7	70.7	1.0	85									

Notes :— XRF Bi Method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MDD 105

SAMPLE TYPE : DRILL CORE FROM 60.5 TO

832450

440