

**METALS EXPLORATION LTD.**  
& SUBSIDIARY COMPANIES

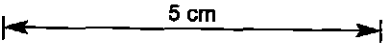


**MINERAL EXPLORATION**  
**DIAMOND DRILL LOG**

Prospect, area, project or mine. <b>MT. BISCHOFF TIN</b>		HOLE No. <u>MBD 80</u>
<b>COLLAR LOCATION</b>		
Grid name	Rectangular space co-ordinates	Magnetic bearing of true and grid norths at collar (* = observed)
PLANAR CO-ORDINATES		ELEVATION
(1) _____	2050.33 N 1299.93 E	688.57 m
(2) _____	_____ N _____ E	_____ m
(3) Aust. Map Grid	_____ mE _____ mN	_____ m A.H.D.
PRECISE / APPROX.		G.N.(1) _____ mag
1: 250 000 Sheet No. <b>SK 55-3</b>		1: 100 000 Sheet No. <b>8015</b>
State <b>Tasmania</b>		T.N. _____ mag
Mineral Tenement <u>E.L. 13/79</u>	Holder <u>Metals Exploration Ltd.</u>	Inclination at collar <u>83°</u>
Cadastral location and details <u>Mt. Bischoff mine area, on crown land northerly of Waratah.</u>		Total length <u>120.2</u>
Details of down hole location - survey methods.		Commenced: <u>8 / 5 / 81</u>
<u>Eastman Single Shot</u>	Purpose of drilling and anticipated lengths to targets.	Completed: <u>12 / 5 / 81</u>
<u>Camera.</u>	<u>To test the Stanhope Porphyry between 0 and 25 m, and the White Face Porphyry between 75 and 95 m.</u>	Drilling contractor <u>LONGYEAR AUST. PTY. LTD.</u>
Results of down hole location - survey.		Rig type <u>LONGYEAR 44</u>
LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR		
<u>30 m</u>	<u>149</u>	<u>82½</u>
<u>60 m</u>	<u>147</u>	<u>83</u>
<u>90 m</u>	<u>145</u>	<u>83</u>
<u>120 m</u>	<u>141</u>	<u>81½</u>
Comments on drilling.		Core size and non-coring (NC)
Legend for graphic log column		TRICONE <u>0</u> TO <u>0.1</u>
FIELD ROCK NAME, ETC.		NQ <u>0.1</u> TO <u>120.2</u>
<input type="checkbox"/> 1	Porphyry.	_____ TO _____
<input type="checkbox"/> 2	Dolomite	_____ TO _____
<input type="checkbox"/> 3	Recrystallised dolomite	_____ TO _____
<input type="checkbox"/> 4	Dolomite sulphide lode - pyrrhotite rich.	_____ TO _____
<input type="checkbox"/> 5	Dolomite sulphide lode - pyrite rich.	_____ TO _____
<input type="checkbox"/> 6	Dolomite sulphide lode - talc rich.	_____ TO _____
<input type="checkbox"/> 7	Dolomite sulphide lode - serpentinite rich.	_____ TO _____
<input type="checkbox"/> 8	Dolomite sulphide lode - quartz/carbonate rich.	_____ TO _____
<input type="checkbox"/> 9/c	Shale / carbonaceous.	_____ TO _____
<input type="checkbox"/> 10	Siltstone.	_____ TO _____
<input type="checkbox"/> 11/s	Quartzite / sandstone.	_____ TO _____
<input type="checkbox"/> 12	Tuff.	_____ TO _____
LOGGED BY <u>D. COMPSTON</u>	LOGGED BY _____	LOGGED BY _____
FROM <u>0</u> TO <u>120.2</u>	FROM _____ TO _____	FROM _____ TO _____
DATE <u>20/5/81</u>	DATE _____	DATE _____
Company managing exploration programme. <b>Metals Exploration Ltd.</b>		SUMMARY LOG
		HOLE No. <u>MBD 80</u>
		Log sheet 1 of <u>2</u>

DEPTH (length from collar)	INTERVAL	DEPTH from - to : ROCK UNIT		CAPITAL LETTERS, UNDERLINED	PUNTER 8 FODR	GRAPHIC LOG	PUNTER 8 CORE	MINERALISATION	ASSAYS RELEASE	BULKED ASSAYS Ni
		Depth	Description and notes INDENTED ABOUT 10mm							

NOTES:  
 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. NYALL(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

0	0.1 - 22.6 <u>PORPHYRY</u> . 0.1 - 12.5 m: Matrix mainly leached to white, and sulphides weathered out. 10-15% qtz phenocrysts to 5 mm. Rare veins of py. 12.5 - 22.6: Matrix translucent grey/green coarsely disseminated sulphides.	1	0.1 - 12.5: py 2-5% py mainly weathered out coarsely disseminated.  12.5 - 22.6: py 15% coarsely disseminated and as occasional py veins.
20			
40	<u>22.6 - 120.2 QUARTZITE, lesser SILTSTONE, minor SHALE.</u> Moderately to strongly disrupted and slumped in parts. Mainly fine, slight grey siliceous quartzite, with lesser dark siltstone and occasional shale beds. Rare stringers of qtz and carbonate. Occasional stringers of py.		py trace in occasional stringers and disseminated through occasional qtzite beds.
60			
80			
100			
120			

END OF HOLE 120.2 m

FOR LEGEND SEE DRAWING NO.



**METALS  
EXPLORATION  
LIMITED**

**SUMMARY  
DRILL LOG**  
Scale

Prospect or project

**Mt. Bischoff Tin**

HOLE No. MBD 80

LOG SHEET 1 OF 1

