832081073

REPORT No.

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES

MINERAL EXPLORATION
DIAMOND DRILL LOG

Prospect, area, project or mine. MT. BISCHOFF

HOLE No. MBD 53

COLLAR LOCATION

Grid name — Rectangular space co-ordinates

	PLANAR CO-ORDINATES				ELEVATION
(1) MBJV	1882.84	N	1080.06	E	626.06
(2)		N		E	
(3) Aust. Map Grid (PRECISE / APPROX.)		mE		mN	m A.H.D.

W.C. Bearing from collar
- _____ magnetic
- _____ grid (1)
- _____ grid (2)
- _____ grid (3)
- _____ true

Inclination at collar: Vertical

Total length: 93.2m

Commenced: 29 / 1 / 81

Completed: 2 / 2 / 81

1:250 000 Sheet No.	1:100 000 Sheet No.	State
BURNIE SK 55-3	HELLYER 8015	TASMANIA

Mineral Tenement: EL 13/79 — Holder: METALS EXPLORATION LTD.

Cadastral location and details (CROWN LAND / PRIVATE):

Drilling contractor: LONGYEAR AUST. PTY. LTD.

Rig type: H.C. 150

Details of down hole location-survey methods.
Eastman single shot every 30 metres

Purpose of drilling and anticipated lengths to targets.
To obtain DSL and Porphyry core for metallurgical testing and to test continuity of rock types and tin grades between closely spaced holes.

Core size and non-coring (NC)

TRICONE	0	TO	4.0
HQ	4.0	TO	93.2
		TO	
		TO	
		TO	
		TO	

Results of down hole location-survey.

LENGTH FROM COLLAR	W.C. BEARING type Magnetic	DIP
30	22°	88°30'
60	234°	88°50'
90	300°	88°40'

Comments on drilling. HW casing was reamed to 16.0 m

Legend for graphic log column (see drill log for Hole No. _____)

'DERWENT' PENCIL NO.		FIELD ROCK NAME, ETC.

Symbols and abbreviations for drilling notes column.

LOGGED BY K. CAMUTI	LOGGED BY	LOGGED BY
FROM 0 TO 93.2	FROM TO	FROM TO
DATE 4.2.81	DATE	DATE

Company managing exploration programme.
METALS EXPLORATION LTD.

HOLE No. MBD 53

Log sheet 1 of 2

832082 074

DEPTH (length from collar)	INTERVAL	DEPTH from - to : ROCK UNIT (capital letters, underlined) Depth Description and notes, veins over 50mm indented about 10mm	GRAPHIC LOG	MINERALISATION Excluding veins over 50mm. Visual estimate of % mineralisation in brackets	BULKED ASSAYS SA
0	0 - 4.0 (4m)	0 - 4.0 PYRITIC SAND Dark brown sandy material containing sulphides and trace of cassiterite.	S	Pyrite, sphalerite, trace of cassiterite 5 - 10%	
	4.0-13.0 (9m)	4.0 - 13.0 DOLOMITE SULPHIDE LODE FAULT PUG Soft, black, weathered fault pug containing sulphides, rotted sulphides, dolomite and porphyry	F/B/S	Mainly py and sp, with some cp and marcasite 10%	
20	13.0-40.0 (27m)	13.0 - 40.0 QUARTZ PORPHYRY Badly weathered and pitted cream to ligtbrown to pale grey medium grained porphyry grading into less weathered glassy pale grey prophyry. Very few feldspar phenocrysts 10% quartz phenocrysts	1	Mainly py, some marcasite, sp and cp. Trace arsenopy and fluorite 10%	
40	40-53.0 (13m)	40.0 - 53.0 DOLOMITE SULPHIDE LODE FAULT PUG Dark brown puggy and sandy material containing broken fragments of dolomite and porphyry, quartz, some pyrite, trace of cp and cassiterite	F/B/S	Mainly py, trace cp and cassiterite 10%	
	53.0-58.4 (5.4m)	53.0 - 58.4 NO CORE Probably consisted of previous fault pug	NC		
60	58.4-60.3 (1.9m)	58.4 - 60.3 DOLOMITE Badly weathered and broken cream coloured dolomite	2	Py and sp. Trace of talc <1%	
	60.3-65.8 (5.5m)	65.3 - 65.8 RECRYSTALLIZED Pale blue massive recrystallized dolomite with some talc. Quartz carbonate patches ~ 10%	3	Mainly py and sp, some marc, and po, trace arsenopy <1%	
80	65.8-89.8 (24m)	65.8 - 89.8 DOLOMITE SULPHIDE LODE PYPRHOTITE/CARBONATE RICH D.S.L. overall po - rich but containing 2 py - rich lengths at beginning of the interval. Areas of fine wriggly banding, small amounts of serpentine and talc. Major quartz/carbonate. Locally massive po - rich lodes - up to 90% sulphides	4/8	Mainly po, major py, some marc, trace of arsenopy, cp and sp. Minor fluorite 50%	
				Contact 50°	
	89.8-93.2 (3.4m)	89.8 - 93.2 QUARTZITE/MINOR SILTSTONE Fine grained mid-grey, massive quartzite with minor pale grey coarse siltstone, moderate disruption	11/10	Mainly py, some po, marc and arsenopy. Trace fluorite. 10%	
100		93.2m END OF HOLE			

FOR LEGEND SEE DRAWING NO

5 cm

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: MT BISCHOFF TIN

HOLE No. MBD53

LOG SHEET 1 OF 1

SAMPLE NO.	SAMPLE NO	FROM	TO	INTER-VAL	Sn	Sn	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
SPLIT CORE	GROUND CORE	m	m	m	SPLIT	GROUND								
98824		0.0	4.0	4.0	3800									
25		4.0	6.9	2.9	280									
26		6.9	7.9	1.0	1800									
27		7.9	8.9	"	2100									
28		8.9	9.9	"	1600									
29		9.9	10.9	"	3050									
830		10.9	11.9	"	2450									
31		11.9	12.9	"	4100									
32		12.9	14.0	1.9	1.14%									
33		14.0	15.0	1.0	2950									
34		15.0	16.0	"	580									
35		16.0	17.0	"	1.03%									
36		17.0	18.0	"	1050									
37		18.0	19.0	"	560									
38		19.0	20.0	"	1650									
39		20.0	21.0	"	1600									
840		21.0	22.0	"	1150									
41		22.0	23.0	"	1350									
42		23.0	24.0	"	3900									
43		24.0	25.0	"	1100									
44		25.0	26.0	"	1050									
45		26.0	27.0	"	820									
46		27.0	28.0	"	5400									
47		28.0	29.0	"	1.16%									
48		29.0	30.0	"	8000									
49		30.0	31.0	"	5600									
850		31.0	32.0	"	5500									
51		32.0	33.0	"	2700									
52		33.0	34.0	"	3800									
53		34.0	37.7	3.7	1150									

Notes :— Sn by XRF Bi Method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 53

SAMPLE TYPE : DRILL CORE FROM 0.0 TO 37.7

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								
98854.		37.7	38.7	1.0	2350									
55		38.7	40.0	1.3	940									
56		40.0	41.0	1.0	620									
57		41.0	42.0	"	160									
58		42.0	43.0	"	640									
59		43.0	44.0	"	1100									
860		44.0	45.0	"	920									
61		45.0	46.0	"	780									
62		46.0	47.0	"	6500									
63		47.0	48.0	"	400									
64		48.0	49.0	"	430									
65		49.0	52.0	2.0	2200									
66		52.0	58.4	6.4	1800									
67		58.4	59.4	1.0	30									
68		59.4	60.4	"	170									
69		60.4	61.4	"	300									
870		61.4	62.4	"	10									
71		62.4	63.4	"	8									
72		63.4	64.4	"	X									
73		64.4	65.3	0.9	X									
74		65.3	65.8	0.5	X									
75		65.8	66.8	1.0	5500									
76		66.8	67.8	"	6600									
77		67.8	68.8	"	9200									
78		68.8	69.8	"	3350									
79		69.8	70.8	"	1.55%									
880.		70.8	71.8	"	2.48%									
81		71.8	72.8	"	2.04%									
82		72.8	73.8	"	1800									
83		73.8	74.8	"	1350									

Notes:— Sn by XRF Bi Method.

X means less than detection limit

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 53

SAMPLE TYPE : DRILL CORE FROM 37.7 TO 74.8

SAMPLE NO. SPLIT CORE	SAMPLE NO GROUND CORE	FROM m	TO m	INTER-VAL m	Sn SPLIT	Sn GROUND	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
98884		74.8	75.8	1.0	520									
85		75.8	76.8	"	60									
86		76.8	77.8	"	12									
87		77.8	78.8	"	46									
88		78.8	79.8	"	24									
89		79.8	80.8	"	85									
890		80.8	81.8	"	260									
91		81.8	82.8	"	85									
92		82.8	83.8	"	65									
93		83.8	84.8	"	3.08%									
94		84.8	85.8	"	4.80%									
95		85.8	86.8	"	3.88%									
96		86.8	87.8	"	4050									
97		87.8	88.8	"	6100									
98		88.8	89.7	0.9	55									
99		89.7	90.7	1.0	580									

Notes :— Sn by XRF Bi Method.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 53

SAMPLE TYPE : DRILL CORE FROM 74.8 TO 90.7