832328 319

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES

MINERAL EXPLORATION
DIAMOND DRILL LOG

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

HOLE No. MBD 94

COLLAR LOCATION

Grid name

Rectangular space co-ordinates

	PLANAR CO-ORDINATES		ELEVATION
(1)	N	E	
(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 -60°
Total length 140.0
Commenced: 25 / 6 / 81
Completed: 3 / 7 / 81

Drilling contractor: PARRY EXPL. 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 test the White Face Porphyry between 110 m and 130 m.

Core size and non-coring (NC)

TRICONE	0	TO	3.0
NQ	3.0	TO	51.0
BQ	51.0	TO	140.0
		TO	
		TO	
		TO	

Results of down hole location-survey.

LENGTH FROM COLLAR	MAGNETIC BEARING (Whole Circle)	DIP
AT COLLAR	150°	60°
29 m	in casing	59°
59 m	148°	60½°
89 m	149°	61°
119 m	148.5°	61°
140 m	146.5°	62°

Comments on drilling.

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 140.0
DATE 7/7/81

LOGGED BY _____
FROM _____ TO _____
DATE _____

LOGGED BY _____
FROM _____ TO _____
DATE _____

Company managing exploration programme.
Metals Exploration Ltd.

SUMMARY LOG

HOLE No. MBD 94

Log sheet 1 of 3

832329 320

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	3.0	0 - 3.0: TRICONE.						
	11.9	3.0 - 14.9: QUARTZITE, SILTSTONE, minor SHALE. Moderately disrupted in parts. Thinly interbedded qtzite and siltstone. Bedding 0.5 - 2 cm. Quartzite, strongly sencitized.		11/ 10/ 9		trace py disseminated in some qtzite beds.		
20	21.5	14.9 - 36.4: SILTSTONE, minor QUARTZITE. Mainly thin siltstone beds, many with abundant py and sencitized in parts. Occasional thin py veins.		10/ 11		3-5% py occasional veins with thin pyritic layers parallel to bedding.		
40	13.1	36.4 - 49.5: QUARTZITE, lesser SILTSTONE. Mainly fine qtzite in beds up to 1.0 m, and thinly interbedded with siltstone. Common pyritic beds. (< 0.5 cm). Strongly disrupted in parts.		11/ 10		1-2% py as thin pyritic beds (~ 1-3 mm) and occasional veins and stringers.		
	24.7	49.5 - 74.2: SILTSTONE, minor QUARTZITE. Weakly disrupted in parts. Mainly thin siltstone beds, with occasional pyritic layers, and qtzite beds up to 5 cm.		10/ 11		py - 1-2% as above.		
60								
80	22.6	74.2 - 96.8: QUARTZITE, minor SILTSTONE. Moderately disrupted in parts. Mainly thick beds of qtzite, to 3.0 m, with thin siltstone beds in between. Occasional zones of interbedded siltstone and qtzite.		11/ 10		py>>po ~1% py in veins and stringers and disseminated through some qtzite beds. trace po in thin veins.		
100	35.8	96.8 - 132.6: PORPHYRY. Matrix grey or greenish. Sencitized from 117.0 - 119.2. 8-12% qtz phenocrysts up to 5 mm. 15% feldspar, mainly replaced by sulphide (py). FAULT ZONE from 102.6 - 110.0 m. 5 cm		1		py >>arsenopy, sph 15% py coarsely disseminated, and in occasional veins with arsenopy and sph.		
120								

FOR LEGEND SEE DRAWING NO.

CONTINUED NEXT PAGE.

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.

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: Mt. Bischoff Tin

HOLE No. MBD 94

LOG SHEET 2 OF 3

832330 321

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

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

120

CONTINUED FROM PREVIOUS PAGE.

7.4	132.6 - 140.0: SILTSTONE, lesser QUARTZITE. Weakly to moderately disrupted. Mainly interbedded siltstone and qtzite. Beds 0.5 - 2 cm thick.		10/ 11	1% py finely disseminated in qtzite, and rare thin veins.

140

END OF HOLE 140.0 m.

5 cm

FOR LEGEND SEE DRAWING NO.

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: Mt. Bischoff Tin

HOLE No. MBD 94

LOG SHEET 3 OF 3

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								
	124453	3.0	4.4	1.4		160								
	124454	6.4	7.5	1.1		80								
	124455	8.1	10.1	2.0		30								
	56	10.1	12.1	"		20								
	57	12.1	14.1	"		15								
	58	14.1	16.1	"		20								
	59	16.1	18.1	"		35								
	460	18.1	20.1	"		310								
	61	20.1	22.1	"		260								
	62	22.1	24.1	"		220								
	63	24.1	26.1	"		25								
	64	26.1	28.1	"		90								
	65	28.1	30.1	"		100								
	66	30.1	32.1	"		35								
	67	32.1	34.1	"		190								
	68	34.1	36.1	"		100								
	69	36.1	38.1	"		220								
	470	38.1	40.1	"		120								
	71	40.1	42.1	"		70								
	72	42.1	44.1	"		45								
	73	44.1	46.1	"		1500								
	74	46.1	48.1	"		120								
	75	48.1	50.1	"		860								
	76	50.1	52.1	"		770								
	77	52.1	54.1	"		2150								
	78	54.1	56.1	"		290								
	79	56.1	58.1	"		1250								
	480	58.1	60.1	"		730								

Notes :— XRF 214 method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 94

SAMPLE TYPE : DRILL CORE FROM 30 TO 60.1

split/ground

82333.1

322

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								
	124401	60.1	62.1	2.0		70								
	02	62.1	64.1	"		45								
	03	64.1	66.1	"		20								
	04	66.1	68.1	"		25								
	05	68.1	70.1	"		35								
	06	70.1	72.1	"		80								
	07	72.1	74.1	"		60								
	08	74.1	76.1	"		95								
	09	76.1	78.1	"		170								
	490	78.1	80.1	"		390								
	91	80.1	82.1	"		290								
	92	82.1	84.1	"		70								
	124727	84.1	86.1	"		90								
	28	86.1	88.1	"		140								
	29	88.1	90.1	"		180								
	730	90.1	92.1	"		290								
	31	92.1	94.1	"		400								
	32	94.1	95.8	1.7		350								
124830		95.8	96.8	1.0	3150									
31		96.8	97.5	"	7050									
32		97.8	98.8	"	920									
33		98.8	99.8	"	670									
34		99.8	100.8	"	1250									
35		100.8	101.6	0.8	7900									
36		101.6	104.6	3.0	670									
37		104.6	106.3	1.7	1150									
38		106.3	108.1	1.8	1250									
39		108.1	110.6	2.5	1250									
840		110.6	111.6	1.0	680									
41		111.6	112.6	"	2550									

Notes :—

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 94

SAMPLE TYPE : DRILL CORE FROM 60.1 TO 112.6

split / ground

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								
12458A2		112.6	113.6	1.0	2150									
43		113.6	114.6	"	550									
44		114.6	115.6	"	520									
45		115.6	116.6	"	750									
46		116.6	117.6	"	1000									
47		117.6	118.6	"	490									
48		118.6	119.6	"	810									
49		119.6	120.6	"	350									
850		120.6	121.6	"	590									
51		121.6	122.6	"	510									
52		122.6	123.6	"	490									
53		123.6	124.6	"	580									
54		124.6	125.6	"	2900									
55		125.6	126.6	"	5500									
56		126.6	127.6	"	6200									
57		127.6	128.6	"	7350									
58		128.6	129.6	"	9850									
59		129.6	130.6	"	1350									
860		130.6	131.6	"	540									
61		131.6	132.6	"	240									
62		132.6	133.6	"	55									
	124733	133.6	135.6	2.0		35								
	34	135.6	137.6	"		35								
	35	137.6	140.0	2.4		140								

Notes :—

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 94

SAMPLE TYPE : DRILL CORE (ground/split) FROM 112.6 TO 140.0

8223333 324