MOUNT BISCHOFF JOINT VENTURE

HOLE N°: MBD 114

Objective and Anticipated Lengths to Targets: To delineate DSL and porphyry. Investigate possibility of DSL below porphyry.

Estimated targets: DSL - 30-60 m

PORPHYRY - 80-95 m

Drilling Commenced: 28/9/81 Drilling Completed: 8/10/81 Drilling Contractor: PARRY EXPL. DRILLING Rig Type: Boyles 37

Bearing of Hole: -

Angle of Hole: 90°

Final Depth of Hole: 113.0 m

Core Sizes:

From 0 To 8.5 = TRICONE

From 8.5 To 113.0 = NQ

From To =

From To =

From To =

Logged By: D. COMPSTON

Date Logged: 10/10/81

Stored Rack N°:

Length From Collar	Mid Point and End	Survey Data: Length Between M.P	Dip	Grid Brg	Mag Brg
	0				
0		13.5	90°	-	
	13.5				
27.0		30.0	89°	057°	027°
	43.5				
60.0		31.5	88.5°	(032°)	-
	75.0				
90.0		26.5	88.5°	008°	338°
	101.5				
113.0		11.5	88.5°	327°	297°
	113.0				
-113.0					

Collar and Change Points: Length to C.P	North	East	R. L.
0	1925.10	1039.95	642.47
13.5	1925.10	1039.95	628.97
43.5	1925.39	1040.39	598.97
75.0	1926.08	1040.83	567.49
101.5	1926.77	1040.92	540.99
113.0	1927.02	1040.76	529.49

Survey By: D. COMPSTON Date: 10/10/81

Calculated By: R.J. REID Date: 12/10/81

HOLE N°: MBD 114

83256

554

832567 555

DEPTH (length from collar)	INTERVAL	DEPTH from - to ROCK UNIT (capital letters, underlined) Depth Description and notes (indented about 10mm)	GRAPHIC LOG	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS Ni

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 MILLIMETRES

0	8.5	0 - 8.5: TRICONE. Not cored.		
	20.5	8.5 - 29.0: DOLOMITE, minor RECRYSTALLIZED DOLOMITE. Mainly finely crystalline pale grey dolomite, with rare thin veins of coarsely recrystallized dolomite. Minor patches of wrigglite DSL in following intervals: 22.1 - 22.8, 24.0 - 24.7	2/3	
20				
	49.7	29.0 - 78.7: DOLOMITE SULPHIDE LODE.	7/4/6	20% bronze po - finely disseminated
		29.0 - 32.5: 70% dark green talc 20% po 5% talc, 5% carbonate	7/4/6	40% finely disseminated bronze pyrrhotite. Trace fine cpy.
40		32.5 - 41.5: 40% finely disseminated po 45% dark green serpentine 5% mid green talc		
		41.5 - 74.0: 45% mid green talc 40% pyrrhotite - wispy aggregates with irregular bands. Almost massive in parts. 5% dark green serpentine	6/4/7	
60				
		74.0 - 78.7: 70% po 20% qtz 10% talc	4/8/6	70% po - almost massive aggregates up to 1% cpy locally.
80	28.5	78.7 - 107.2: PORPHYRY. Matrix grey/white, translucent. 15% qtz phenocrysts up to 8 mm diameter average 15% disseminated sulphides, mainly bronze po with secondary py.	1	15% coarsely disseminated po and secondary py. In top 5 m, common veins of py up to 2.5 cm thick.
		5 cm		
100	5.8	107.2 - 113.0: SILTSTONE, SHALE. Interbedded grey siltstone and black shale. Strongly disrupted for most part.	10/9	trace po and py - as rare stringers.
		END OF HOLE: 113.0 m.		

FOR LEGEND SEE DRAWING NO.

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: Mt. Bischoff Tin

HOLE No. MBD 114

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								
	130265	12.0	14.0	2.0		190								
	66	14.0	16.0	"		75								
	67	16.0	18.0	"		40								
	68	18.0	20.0	"		170								
	69	20.0	22.1	"		190								
130141		22.1	22.8	0.7	680									
	130270	22.8	24.0	1.2		810								
130142		24.0	24.9	0.9	3050									
43		24.9	25.9	1.0	250									
44		25.9	27.5	1.6	110									
45		27.5	28.5	1.0	120									
46		28.5	29.5	"	7200									
47		29.5	30.5	"	1.02%									
48		30.5	31.5	"	9600									
49		31.5	32.5	"	9700									
150		32.5	33.5	"	1.77%	*								
51		33.5	34.5	"	1.78%	*								
52		34.5	35.5	"	1.62%	*								
53		35.5	36.5	"	4.40%	*								
54		36.5	37.5	"	5500									
55		37.5	38.5	"	3750									
56		38.5	39.5	"	7700									
57		39.5	40.5	"	1.35%									
58		40.5	41.5	"	6100									
59		41.5	42.5	"	5100									
160		42.5	43.5	"	5500									
61		43.5	44.5	"	7800									
62		44.5	45.5	"	8400									
63		45.5	46.5	"	3700									
64		46.5	47.5	"	600									

Notes:— XRF 314 method

* Result being re-determined by Lode Bz

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBO 114

SAMPLE TYPE : DRILL CORE FROM 12.0 TO 47.5

Ground No Split

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
130165		47.5	48.5	1.0	3900									
66		48.5	49.5	"	280									
67		49.5	50.5	"	150									
68		50.5	51.5	"	240									
69		51.5	52.5	"	1850									
170		52.5	53.5	"	50									
71		53.5	54.5	"	26									
72		54.5	55.5	"	290									
73		55.5	56.5	"	30									
74		56.5	57.5	"	26									
75		57.5	58.5	"	26									
76		58.5	59.5	"	18									
77		59.5	60.5	"	46									
78		60.5	61.5	"	18									
79		61.5	62.5	"	6									
180		62.5	63.5	"	8									
81		63.5	64.5	"	18									
82		64.5	65.5	"	14									
83		65.5	66.5	"	85									
84		66.5	67.5	"	12									
85		67.5	68.5	"	8									
86		68.5	69.5	"	16									
87		69.5	70.5	"	X									
88		70.5	71.5	"	X									
89		71.5	72.5	"	X									
190		72.5	73.5	"	350									
91		73.5	74.5	"	70									
92		74.5	75.5	"	4750									
93		75.5	76.5	"	1.84%	* 1.89% B2 method								
94		76.5	77.5	"	1.50%	* 1.60% B2 method								

Notes:— XRF B1 Method

* Being redetermined by lode B2

X = <4

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 114

SAMPLE TYPE : DRILL CORE FROM 47.5 TO 77.5

NQ Split

832569 557

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								
130195		77·5	78·5	1·0	1650									
96		78·5	79·6	1·1	1650									
97		79·6	80·6	1·0	1050									
98		80·6	81·6	"	3350									
99		81·6	82·6	"	1650									
131000		82·6	83·6	"	3·14%	* 3·10% BP method								
01		83·6	84·6		4·68%	* 4·91% BP method								
02		84·6	85·6		1700									
03		85·6	86·6	"	7000									
04		86·6	87·6		8900									
05		87·6	88·6	"	2·18%	* 2·22% BP method								
06		88·6	89·6		6200									
07		89·6	90·6	"	5600									
08		90·6	91·6	"	5100									
09		91·6	92·6	"	10·9%									
010		92·6	93·6	"	5000									
11		93·6	94·6	"	4600									
12		94·6	95·6	"	7150									
13		95·6	96·6	"	3100									
14		96·6	97·6	"	3150									
15		97·6	98·6	"	2350									
16		98·6	99·6	"	3500									
17		99·6	100·6	"	1150									
18		100·6	101·6	"	2400									
19		101·6	102·6	"	3550									
020		102·6	103·6	"	1600									
21		103·6	104·6	"	1600									
22		104·6	105·6	"	3050									
23		105·6	106·6	"	1300									
24		106·6	107·3	0·7	1850									

Notes :— XRF BI method

* being redetermined by Lode BP.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 114

SAMPLE TYPE : DRILL CORE FROM 77·5 TO 107·3

No Split

8325 10 558

SAMPLE NO. SPLIT CORE	SAMPLE NO GROUND CORE	FROM m	TO m	INTER.VAL m	Sn SPLIT	Sn GROUND	Cu	Pb	Zn		W	Au	Check Sn	Bulked Assays
131625		107.3	108.3	1.0	1900									
	130871	108.3	110.3	2.0		55								
	72	110.3	113.0	2.7		40								

Notes :— XRF B1 method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 114

SAMPLE TYPE : DRILL CORE FROM 107.3 TO 113.0

Grind

8325/1

559