MOUNT BISCHOFF JOINT VENTURE

HOLE N°: MBD 133

Objective and Anticipated Lengths to Targets: To test mineralisation in, and position of, Queen Dyke.

Anticipated top contact of dyke approx. 95 m.

Drilling Commenced: 17/12/81 Drilling Completed: 24/12/81 Drilling Contractor: PARRY EXPL. DRILLING Rig Type: BOYLES

Bearing of Hole: 360°

Angle of Hole: -55°

Final Depth of Hole: 125.0 m

Core Sizes: NQ

From 3.0 To 125.0 = 122.0 m

From ..... To ..... = ...

From ..... To ..... = ...

From ..... To ..... = ...

From ..... To ..... = ...

Logged By: N.R. Langsford

Date Logged: 4/1/82

Stored Rack N°:

Length From Collar	Mid Point and End	Survey Data: Length Between M.P	Dip	Grid Brg	Mag Brg	Collar and Change Points: Length to C.P	North	East	R.L.
	0					0	2150.50	1400.18	698.86
0		15.0	55°	360°					
	15.0					15.0	2159.10	1400.18	686.57
30.0		30.0	54°	359°	329°				
	45.0					45.0	2176.73	1399.87	662.30
60.0		30.0	54°	359°	329°				
	75.0					75.0	2194.37	1399.56	638.03
90.0		32.5	55°	360°	330°				
	107.5					107.5	2213.01	1399.56	611.41
125.0		17.5	55.5°	360°	330°				
	125.0					125.0	2222.92	1399.56	596.99
-125.0									

Survey By: M. PROWSE Date: 23/12/81

Calculated By: R.J. REID Date: 4/1/82

HOLE N°: MBD 133

701
83714

832715 702

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: NO CORE.						
	91.3	3.0 - 94.3: Grey thinly bedded SILTSTONE with minor QUARTZITE interbeds. Siltstones thinly bedded, finely laminated. Fine gr. muscovite along some bedding planes. Quartzites are fg. massive, becomming predominant 34-65.0 m. Zone of fracturing and limonate staining 70.0 - 73.5 m. Slump bedding common in siltstone units below 30.0 m. Bedding 30°-45° to core axis.				< 1% disseminated py. Minor thin pyrite veinlets. Fractured limonite stained zone 70.0 - 73.5 m.		
20								
40								
60								
80		5 cm						
	25.3	94.3 - 119.6: Grey to white altered QUARTZ PORPHYRY. 10% qutz phenocrysts up to 5 mm in fg qutz-topaz groundmass. Minor limonite stained joints. 103.0 - 113.0: Leached porous limonite stained zone. 118.0 - 119.5: Dark brown alteration, porous pyritic zone. Dark brown contact bx.				Up to 15% disseminated pyrite, as grains up to 7 mm. Minor pyrite veinlets.		
100								
120								

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: Mt. Bischoff Tin

HOLE No. MBD 133

LOG SHEET 2 OF 3

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
120	5.4	119.6 - 125.0: Grey interbedded SILTSTONES and QUARTZITES. Thinly laminated siltstones, slump bedded. Massive quartzites.				Minor disseminated pyrite.		
		END OF HOLE: 125.0 m.						
130								

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

5 cm

FOR LEGEND SEE DRAWING NO

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: Mt. Bischoff Tin

HOLE No. MBD 133

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								
	1494	3.0	6.0	3.0		30								
	95	6.0	8.0	2.0		30								
	96	8.0	10.0	"		20								
	97	10.0	12.0	"		40								
	98	12.0	14.0	"		55								
	99	14.0	16.0	"		45								
	500	16.0	18.0	"		40								
	01	18.0	20.0	"		40								
	02	20.0	22.0	"		40								
	03	22.0	24.0	"		34								
	04	24.0	26.0	"		55								
	05	26.0	29.0	3.0		140								
	06	29.0	31.0	2.0		60								
	07	31.0	33.0	"		30								
	08	33.0	35.0	"		30								
	09	35.0	37.0	"		30								
	1510	37.0	39.0	"		40								
	01	39.0	41.0	"		60								
	02	41.0	43.0	"		70								
	05	43.0	45.0	"		95								
	04	45.0	47.0	"		210								
	05	47.0	49.0	"		210								
	06	49.0	51.0	"		220								
	07	51.0	53.0	"		760								
	08	53.0	55.0	"		300								
	09	55.0	57.0	"		450								
	10	57.0	59.0	"		600								
	11	59.0	61.0	"		1550								
	12	61.0	63.0	"		360								
	13	63.0	65.0	"		2050								

Notes :— XRF BI method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 153

SAMPLE TYPE : DRILL CORE FROM 3.0 TO 65.0

Grid

704

SAMPLE NO. SPLIT CORE	SAMPLE NO GROUND CORE	FROM m	TO m	INTERVAL m	Sn SPLIT	Sn GROUND	Cu	Pb	Zn	Ag	W	Au	Check Sn	Bulked Assays
	149914	650	670	2.0		50								
	15	670	690	"		1450								
149011		690	710	"	8000									
12		710	730	1.0	820									
13		730	750	"	140									
14		750	770	"	540									
	149916	770	790	2.0		80								
	17	790	810	"		100								
	18	810	830	"		80								
	19	830	850	"		130								
	920	850	870	"		540								
	21	870	890	"		190								
	22	890	910	"		170								
	23	910	930	"		450								
	24	930	950	"		7000								
	25	950	965	1.5		1600								
149495		965	975	1.0	160									
86		975	985	"	640									
87		985	995	"	550									
88		995	997.5	"	160									
89		997.5	998.5	"	620									
990		998.5	999.5	"	310									
91		999.5	1005	"	960									
92		1005	1015	"	230									
93		1015	1025	"	200									
94		1025	1035	"	210									
95		1035	1045	"	900									
96		1045	1055	"	480									
97		1055	1065	"	560									
98		1065	1075	"	400									

Notes :— XRF BI method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 153

SAMPLE TYPE : DRILL CORE FROM 65.0 TO 107.5

Grind N+Split

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								
149499		107·5	108·5	1·0	250									
149500		108·5	109·5	"	590									
01		109·5	110·5	"	460									
02		110·5	111·5	"	340									
03		111·5	112·5	"	360									
04		112·5	113·5	"	410									
05		113·5	114·5	"	480									
06		114·5	115·5	"	1050									
07		115·5	116·5	"	620									
08		116·5	117·5	"	480									
09		117·5	119·5	2·0	390									
010		119·5	120·5	1·0	210									
	149426	120·5	122·5	2·0		420								
	27	122·5	125·0	2·5		600								

Notes :— XRF By Method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 133

SAMPLE TYPE : DRILL CORE (NQ SPLIT ONLY) FROM 107·5 TO 125·0

8327/19

106