

016
832016

MT. BISCHOFF JOINT VENTURE

DIAMOND DRILL LOG

Hole Number : MBD 51

Location : 1877.70N 1000.03E

Elevation : 631.30

Dip : Vertical

Azimuth : -

Total Depth : 110.0 m

Surveys : Eastman every 40 m

Commenced : 12.1.81 Completed: 20.1.81

Logged by : A. Jannink

Drilling Contractor : Longyear Australia Pty. Ltd.

DEPin
(length
from collar)

DEPin from - to ROCK UNIT CAPITAL LETTERS, UNDERLINED
Depth Description and notes, veins over 50mm.
INDENTED ABOUT 10mm

POINTER
CODE

GRAPHIC
LOG

POINTER
CODE

MINERALISATION
Excluding veins over 50mm. Visual estimate
of % mineralisation in brackets

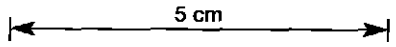
ASSAYS
AVAILABLE

BULKED
ASSAYS
5n

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

Interval	Description and notes	Graphic Log	Mineralisation	Assays Available	Bulked Assays
0-0.5	Tricone - No core				
0.5 - 13.0 (12.5)	<u>DOLOMITE</u> Recrystallised in part Pale to medium grey, cream carbonate Mottled and brecciated Very broken, sheared, porous, and leached-faulted	2/F	Trace py in occasional stringers and specs		
	Clayey fault pug 11.4 →				
13.0 - 26.1 (13.1)	<u>DOLOMITE SULPHIDE LODGE</u> Dark green ? fluorite rich carbonate/quartz with lesser talc/serpentinite and sulphides Generally irregularly banded	8/5/4 /6	20-30% py trace sp irregularly banded, occasionally massive		
26.1 - 40.1 (14.0)	<u>DOLOMITE</u> Pale grey, fairly massive, slightly brecciated. Aggregate of 0.69m of DSL in 9 patches mostly composed of quartz/carbonate, minor pyrite, sphalerite 27.0-28.7 : Cavity - old workings	2	Trace po, py, sp as small specs Also 1-10% py in DSL patches		
40.1-41.7	<u>DOLOMITE SULPHIDE LODGE</u> mainly fluorite/carbonate	8/5	20% py, lesser sp, weak trace cp		
41.7 - 48.8 (7.1)	<u>DOLOMITE</u> Pale grey, fairly massive, slightly brecciated. Aggregate of 0.73m of DSL in 3 patches mainly talc rich	2	<1% py > po, sp as small specs Also 5-30% py in DSL patches		
48.8 - 54.1 (5.3)	<u>RECRYSTALLISED DOLOMITE LESSER DOLOMITE</u> White to pale grey, frequently brecciated Aggregate of 0.91m of DSL in 4 patches	3	1-2% py > sp > po disseminated Also 10-70% py > sp in DSL patches		
54.1-56.0	<u>DOLOMITE SULPHIDE LODGE</u> quartz/carbonate/talc	8/6/5	20% py > po minor sp in blebs		
56.0 - 59.9 (3.9)	<u>SILTSTONE</u> Poorly bedded partly disrupted 56.0-56.2 Transition zone with 40% serpentinite	10	Contact 60° 1-2% po and py Contact 40° disseminated 5% po and py in blebs		
59.9-61.6	<u>RECRYSTALLISED DOLOMITE</u> massive, brecciated	3	Contact 70° 1% py > po		
61.6-62.5	<u>SILTSTONE/QUARTZITE</u> Transition zone type	10/11	5% py > po in stringers		
62.5 - 77.8 (15.3)	<u>QUARTZ PORPHYRY</u> 62.5-68.4: Milky white matrix with 10% quartz and 5% feldspar phenocrysts 68.4-74.1: Glassy white matrix, quartz and feldspar as above 74.1-76.6: Milky and glassy white matrix 76.6-77.8: Only milky white matrix	1	Contact ~80° 10-15% py > po coarsely disseminated		
			15% py rare po coarsely disseminated Trace cassiterite		
			10% py minor marcasite, disseminated		
77.8 - 88.2 (10.4)	<u>SILTSTONE AND QUARTZITE</u> Bedding 60° Medium grey, poorly bedded, much disrupted 82.0-82.6: massive Quartzite Bedding 50° Gradual change to	10/11	Contact irregular approx 55° 2% py and po, finely disseminated, in veins and stringers		
88.2 - 97.6 (9.4)	<u>SILTSTONE AND SILTY SHALE</u> Lesser Quartzite Medium to dark greenish grey, poorly bedded, much disrupted 96.9-97.6: Transition zone, slightly serpentinous Bedding 55°	10/9	Trace py > po in stringers and disseminated 1% po > py disseminated and in stringers 10% py > po disseminated		
97.6-99.7	<u>DOLOMITE SULPHIDE LODGE</u> Pyrrhotite, carbonate, pyrite	4/8/5	60% po > py with 0.5% cp		
99.7 - 104.2 (4.5)	<u>DOLOMITIC SILTSTONE</u> Mostly transition zone type but with dolomitic content Bedding 40°	10/2	5-10% py and po in stringers, disseminated and in DSL patches		
104.2-106.2	<u>DOLOMITE</u> Slightly impure with some siltstone	2	2% py and po in fractures, veins		
106.2 - 110.0 (3.8)	<u>SILTSTONE</u> Minor Quartzite Moderately bedded, much disrupted Bedding 45°	10	1-2% po and py in blebs and disseminated		
110	END OF HOLE 110.0m				



832017

FOR LEGEND
SEE DRAWING
NO.



SUMMARY
DRILL LOG
Scale

Prospect or project	HOLE No. MBD 51
MT BISCHOFF TIN	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								
98437		0.5	1.5	1.0	1400									
38		1.5	2.5	"	75									
39		2.5	3.5	"	14									
440		3.5	4.5	"	4									
41		4.5	5.5	"	<4									
42		5.5	6.5	"	12									
43		6.5	7.5	"	1800									
44		7.5	8.5	"	90									
45		8.5	9.5	"	46									
46		9.5	10.5	"	10									
47		10.5	11.5	"	260									
48		11.5	13.0	1.5	80									
49		13.0	14.0	1.0	3650									
450		14.0	15.0	"	1500									
51		15.0	16.0	"	4000									
52		16.0	17.0	"	4550									
53		17.0	18.0	"	4250									
54		18.0	19.0	"	1.17%	To be confirmed.								
55		19.0	20.0	"	8700									
56		20.0	21.0	"	5100									
57		21.0	22.0	"	6100									
58		22.0	23.0	"	1.58%	To be confirmed								
59		23.0	24.0	"	4700									
460		24.0	25.0	"	6400									
61		25.0	26.1	1.1	6200									
62		26.1	26.5	0.4	85									
63		26.5	27.0	0.5	1350									
64		28.7	29.1	0.4	30									
65		29.1	30.1	1.0	28									

Notes:- Sn by XRF Bi method.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT
 ASSAY SUMMARY SHEET HOLE NO. MBD 51
 SAMPLE TYPE : DRILL CORE FROM 0.5 TO 30.1

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								
98466		30.1	31.1	1.0	130									
67		31.1	32.1	"	50									
68		32.1	33.1	"	10									
69		33.1	34.1	"	<4									
470		34.1	35.1	"	22									
71		35.1	36.1	"	360									
72		36.1	37.1	"	210									
73		37.1	38.1	"	30									
74		38.1	39.1	"	4									
75		39.1	40.1	"	8									
76		40.1	41.1	"	360									
77		41.1	42.1	"	2600									
78		42.1	43.1	"	65									
79		43.1	44.1	"	16									
480		44.1	45.1	"	380									
81		45.1	46.1	"	360									
82		46.1	47.1	"	560									
83		47.1	48.1	"	1100									
84		48.1	49.1	"	1600									
85		49.1	50.1	"	290									
86		50.1	51.1	"	300									
87		51.1	52.1	"	370									
88		52.1	53.1	"	2400									
89		53.1	54.1	"	820									
490		54.1	55.1	"	2350									
91		55.1	56.1	"	1500									
92		56.1	57.1	"	75									
93		57.1	58.1	"	80									
94		58.1	59.6	1.5	70									
48495		59.6	60.6	1.0	900									

Notes:—

Sn by KRF Bi Method

METALS EXPLORATION LTD. - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 51

SAMPLE TYPE : DRILL CORE

FROM 30.1 TO 50.6

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								
98496		100.6	61.6	1.0	620									
97		61.6	62.5	0.9	620									
98		62.5	63.5	1.0	900									
99		63.5	64.5	"	500									
98700		64.5	65.5	"	720									
01		65.5	66.5	"	3450									
2		66.5	67.5	"	2700									
3		67.5	68.5	"	2550									
4		68.5	69.5	"	2050									
5		69.5	70.5	"	3800									
6		70.5	71.5	"	1850									
7		71.5	72.5	"	7600									
8		72.5	73.5	"	2850									
9		73.5	74.5	"	1150									
710		74.5	75.5	"	4300									
11		75.5	76.5	"	2000									
12		76.5	77.8	1.3	3850									
13		77.8	78.8	1.0	360									
98733		96.7	97.7	1.0	170									
34		97.7	98.7	"	130									
35		98.7	99.5	0.8	44									
36		99.5	100.5	1.0	230									
37		100.5	101.5	"	560									
38		101.5	102.5	"	230									
39		102.5	103.5	"	660									
740		103.5	104.5	"	440									
41		104.5	105.5	"	55									
42		105.5	106.8	1.3	430									

Notes: — Sn by XRF Bi Method.

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 51

SAMPLE TYPE : DRILL CORE

FROM 60.6 TO 106.8

