# MOUNT BISCHOFF JOINT VENTURE

HOLE N°: MBD 123

Objective and Anticipated Lengths to Targets: To delineate and test the Western Dyke (approx 60.0 - 70.0 m) and the Stanhope Dyke (75.0 - 85.0).

Drilling Commenced: 6/11/81 Drilling Completed: 11/11/81 Drilling Contractor: PARRY EXPL. DRILLING Rig Type: BOYLES 37

Bearing of Hole: 180° (grid)

Angle of Hole: 55°

Final Depth of Hole: 105.0 m

Core Sizes:

From 0 To 3.5 = TRICONE

From 3.5 To 105.0 = NQ

From To =

From To =

From To =

Logged By: D. COMPSTON

Date Logged: 13/11/81

Stored Rack N°:

| Length From Collar | Mid Point and End | Survey Data: Length Between M.P | Dip | Grid Brg | Mag Brg |
|---|---|---|---|---|---|
| | 0 | | | | |
| 0 | | 22.5 | 55° | 180° | |
| | 22.5 | | | | |
| 45.0 | | 37.5 | 55.5° | 183° | 153° |
| | 60.0 | | | | |
| 75.0 | | 30.0 | 57° | 181.5° | 151.5° |
| | 90.0 | | | | |
| 105.0 | | 15.0 | 58° | 181° | 151° |
| | 105.0 | | | | |
| -105.0 | | | | | |

| Collar and Change Points: Length to C.P | North | East | R.L. |
|---|---|---|---|
| 0 | 2069.75 | 1240.00 | 683.42 |
| 22.5 | 2056.84 | 1240.00 | 664.99 |
| 60.0 | 2035.63 | 1238.89 | 634.08 |
| 90.0 | 2019.30 | 1238.46 | 608.92 |
| 105.0 | 2011.35 | 1238.32 | 596.20 |

Survey By: Date:

Calculated By: R.J. REID Date: 16/11/81

832640 627

| 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 | 3.5 | 0 - 3.5: NOT CORED. | | | | | | |
| | 61.3 | 3.5 - 64.8: SILTSTONE, minor QUARTZITE. Moderately disrupted for most parts. Main fine grey siltstone, in beds up to 0.7 m and lesser amounts of fine, siliceous qtzite in beds up to 1.0 m. Stringers of py are common. Rare thin veins of qtzite (<2 mm thick). Occasional beds of qtzite contain traces of finely disseminated euhedral py. | | 10/ 11 | | trace py - in common thin stringers (up to 25 per metre in places). finely disseminated through occasional qtzite beds. | | |
| 20 | | | | | | | | |
| 40 | | | | | | | | |
| 60 | | | | | | | | |
| | 1.0 | 64.8 - 65.8: PORPHYRY. Translucent, altered matrix | | 1 | | 15% coarsely disseminated py. | | |
| | 12.9 | 65.8 - 78.7: SILTSTONE, minor QUARTZITE. As 3.5 - 64.8. | | 10/ | | trace py in common stringers. Traces finely disseminated through occasional qtzite beds. | | |
| 80 | | 78.4 - 79.0: PORPHYRY. Altered, white matrix. | | 1 | | 15% disseminated py. | | |
| | | 79.0 - 79.4: SILTSTONE. Strongly disrupted. | | | | trace py in stringers. | | |
| | 12.9 | 79.4 - 96.9: PORPHYRY. Matrix mainly semi-translucent white/grey colour. 15% qtz phenocrysts up to 8 mm dia. Feldspars totally replaced by py - coarsely disseminated up to 10 mm. Py weathered (weakly) in most parts. | | 1 | | 15% coarsely disseminated py, grains up to 10 mm. Trace finely disseminated sph and arsenopy. Rare thin py veins. | | |
| | 1.2 | 96.9 - 98.1: SILTSTONE. Moderately disrupted. | | 10 | | trace py in stringers. | | |
| 100 | 1.1 | 98.1 - 100.1: PORPHYRY. As 79.4 - 96.9. | | 1 | | 15% coarsely disseminated py. | | |
| | 4.9 | 100.1 - 105.0: QUARTZITE, minor SILTSTONE. siltstone Mainly thin siliceous fine qtzite with minor interbeds. | | 11/ | | up to 5% finely disseminated py in qtzite. Rare py stringers. | | |
| | | END OF HOLE: 105.0 m. | | | | | | |
| 120 | | 5 cm | | | | | | |

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

FOR LEGEND SEE DRAWING NO

METALS EXPLORATION LIMITED

SUMMARY DRILL LOG Scale

Prospect or project: Mt. Bischoff Tin

HOLE No. MBD 123

LOG SHEET 2 OF 2

| 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 | | | | | | | | |
| | 194541 | 3·5 | 6·0 | 2·5 | | 48 | | | | | | | | |
| | 42 | 6·0 | 8·0 | 2·0 | | 110 | | | | | | | | |
| | 43 | 8·0 | 10·0 | " | | 960 | | | | | | | | |
| | 44 | 10·0 | 12·0 | " | | 390 | | | | | | | | |
| | 45 | 12·0 | 14·0 | " | | 1200 | | | | | | | | |
| | 46 | 14·0 | 16·0 | " | | 7500 | | | | | | | | |
| | 47 | 16·0 | 18·0 | " | | 70 | | | | | | | | |
| | 48 | 18·0 | 20·0 | " | | 55 | | | | | | | | |
| | 49 | 20·0 | 22·0 | " | | 44 | | | | | | | | |
| | 5550 | 22·0 | 24·0 | " | | 32 | | | | | | | | |
| | 51 | 24·0 | 26·0 | " | | 26 | | | | | | | | |
| | 52 | 26·0 | 28·0 | " | | 18 | | | | | | | | |
| | 53 | 28·0 | 30·0 | " | | 20 | | | | | | | | |
| | 54 | 30·0 | 32·0 | " | | 22 | | | | | | | | |
| | 55 | 32·0 | 34·0 | " | | 22 | | | | | | | | |
| | 56 | 34·0 | 36·0 | " | | 18 | | | | | | | | |
| | 57 | 36·0 | 38·0 | " | | 14 | | | | | | | | |
| | 58 | 38·0 | 40·0 | " | | 12 | | | | | | | | |
| | 59 | 40·0 | 42·0 | " | | 10 | | | | | | | | |
| | 560 | 42·0 | 44·0 | " | | 18 | | | | | | | | |
| | 61 | 44·0 | 46·0 | " | | 18 | | | | | | | | |
| | 62 | 46·0 | 48·0 | " | | 14 | | | | | | | | |
| | 63 | 48·0 | 50·0 | " | | 16 | | | | | | | | |
| | 64 | 50·0 | 52·0 | " | | 26 | | | | | | | | |
| | 65 | 52·0 | 54·0 | " | | 22 | | | | | | | | |
| | 66 | 54·0 | 56·0 | " | | 16 | | | | | | | | |
| | 67 | 56·0 | 58·0 | " | | 75 | | | | | | | | |
| | 68 | 58·0 | 60·0 | " | | 28 | | | | | | | | |
| | 69 | 60·0 | 62·0 | " | | 34 | | | | | | | | |
| | 570 | 62·0 | 63·5 | 1·5 | | 42 | | | | | | | | |

Notes :— XRF Bi method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 123

SAMPLE TYPE : DRILL CORE FROM 3·5 TO 63·5

Grind

8326411

329

| SAMPLE NO. | SAMPLE NO | FROM | TO | INTERVAL | Sn | Sn | Cu | Pb | Zn | g | W | Au | Check Sn | Bulked Assays |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPLIT CORE | GROUND CORE | m | m | m | SPLIT | GROUND | | | | | | | | |
| 148211 | | 63·8 | 64·8 | 1·0 | 190 | | | | | | | | | |
| 12 | | 64·8 | 65·8 | " | 520 | | | | | | | | | |
| 13 | | 65·8 | 66·8 | " | 210 | | | | | | | | | |
| | 144571 | 66·8 | 68·8 | 2·0 | | 95 | | | | | | | | |
| | 72 | 68·8 | 70·8 | " | | 98 | | | | | | | | |
| | 73 | 70·8 | 72·8 | " | | 99 | | | | | | | | |
| | 74 | 72·8 | 74·8 | " | | 94 | | | | | | | | |
| | 75 | 74·8 | 76·8 | " | | 75 | | | | | | | | |
| | 76 | 76·8 | 77·7 | 0·9 | | 110 | | | | | | | | |
| 148214 | | 77·7 | 78·7 | 1·0 | 170 | | | | | | | | | |
| 15 | | 78·7 | 79·0 | 0·3 | 320 | | | | | | | | | |
| 16 | | 79·0 | 79·5 | 0·5 | 190 | | | | | | | | | |
| 17 | | 79·5 | 80·5 | 1·0 | 4200 | | | | | | | | | |
| 18 | | 80·5 | 81·5 | " | 6200 | | | | | | | | | |
| 19 | | 81·5 | 82·5 | " | 2000 | | | | | | | | | |
| 220 | | 82·5 | 83·5 | " | 2500 | | | | | | | | | |
| 21 | | 83·5 | 85·5 | 2·0 | 720 | | | | | | | | | |
| 22 | | 85·5 | 86·5 | 1·0 | 1300 | | | | | | | | | |
| 23 | | 86·5 | 87·5 | " | 8400 | | | | | | | | | |
| 24 | | 87·5 | 88·5 | " | 3500 | | | | | | | | | |
| 25 | | 88·5 | 89·5 | " | 4250 | | | | | | | | | |
| 26 | | 89·5 | 90·5 | " | 6700 | | | | | | | | | |
| 27 | | 90·5 | 91·5 | " | 4250 | | | | | | | | | |
| 28 | | 91·5 | 92·5 | " | 5400 | | | | | | | | | |
| 29 | | 92·5 | 93·5 | " | 4400 | | | | | | | | | |
| 230 | | 93·5 | 94·5 | " | 3550 | | | | | | | | | |
| 31 | | 94·5 | 95·5 | " | 2500 | | | | | | | | | |
| 32 | | 95·5 | 96·9 | 1·4 | 540 | | | | | | | | | |
| 33 | | 96·9 | 98·3 | " | 1200 | | | | | | | | | |
| 34 | | 98·3 | 99·3 | 1·0 | 620 | | | | | | | | | |

Notes :— XRF 81 method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 123

SAMPLE TYPE : DRILL CORE FROM 63·8 TO 99·3

NQ Split

8326642

629

| SAMPLE NO. | SAMPLE NO | FROM | TO | INTER. VAL | Sn | Sn | Cu | Pb | Zn | g | W | Au | Check Sn | Bulked Assays |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPLIT CORE | GROUND CORE | m | m | m | SPLIT | GROUND | | | | | | | | |
| 148235 | | 99.3 | 100.1 | 0.8 | 1250 | | | | | | | | | |
| 36 | | 100.1 | 101.1 | 1.0 | 420 | | | | | | | | | |
| | 144577 | 102.2 | 103.7 | 1.5 | | 44 | | | | | | | | |
| | 78 | 103.7 | 105.0 | 1.3 | | 32 | | | | | | | | |

Notes :— XRF (B) method

METALS EXPLORATION LTD - MT BISCHOFF TIN PROSPECT

ASSAY SUMMARY SHEET HOLE NO. MBD 123

SAMPLE TYPE : DRILL CORE FROM 99.3 TO 105.0

N½ Split

832643

630