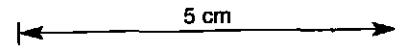
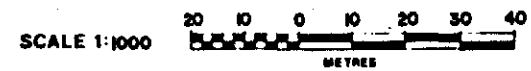


PROJECT: TYNDALL

HOLE NO: HP 9

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL HOLE PLOT



PLAN VIEW

S 364 263 mN
380 135 mE

511-5m R.L.

HP 9

LITHIC VOLCANICLASTICS
CUT BY THIN MAFIC DYKES
silic., alb., chl. and ser.

Limit of ox.

HENRY FAULT
ser., py., chlorid.

DIP PROFILE

STRONGLY
FRACTURED
increased ser.

SULPHIDIC VOLCANICLASTICS
silic., ser. and py.

| MINERALIZED ZONE | |
|------------------|-------------|
| 127-0m - 135.5 m | |
| 8.5m @ | 6.40 g/t Au |
| | 31.0 g/t Ag |
| | 0.16 % Cu |
| | 0.64 % Pb |
| | 0.48 % Zn |

VOLCANICLASTIC BRECCIAS WITH
MINOR LAVAS AND PYROCLASTICS
silic., ser. and chl.

522-3m R.L. (Fault H.W.)

516-0m R.L. (Fault F.W.)

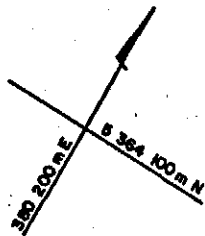
504-0m R.L. (Mineralized Zone H.W.)

501-0m R.L. (Mineralized Zone F.W.)

5-10% py
5% py
5%
(+ cp, gn, sil)
15-20%
(+ py, cp, gn, sil)

1-5% py

E.O.H. 130-0 m



STATE: TAS.

HOLE NO: HP 9

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: TYNDALL

HOLE NUMBER: HP.9

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ULV. PRESS

| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA | | | |
|-------------|-----------------|----------|----|--|------------|------|----|--------|
| From | To | m | % | | Sample No | From | To | Rec. % |
| | | | | <u>SUMMARISED LOG</u> | | | | |
| 0.0 | 106.4 | | | FELSIC VOLCANICLASTICS CUT BY NUMEROUS, THIN MAFIC DYKES STRONGLY WEATHERED TO DEPTH AND INTENSELY FRACTURED NEAR THE FAULT. | | | | |
| 106.4 | 113.4 | | | HENTY FAULT. SEMI-CONSOLIDATED CLAYS AND SERICITIC ROCK FRAGMENTS IN A CRUSH ZONE. NO MYLONITE IS DEVELOPED. | | | | |
| 113.4 | 135.5 | | | STRONGLY MINERALISED, SULPHIDIC VOLCANICLASTIC BRECCIAS. SILICIFIED, SERICITIC ANDN OVERALL STRONGLY ALTERED. | | | | |
| 135.5 | 190.0 | | | COARSE VOLCANICLASTIC BRECCIAS WITH MINOR FELSIC LAVAS AND FINE GRAINED PYROCLASTICS. WEAKLY ALTERED WITH SMALL PYRITIC AND SILICIFIED ZONES DEVELOPED. | | | | |
| | | | | <u>DETAILED LOG</u> | | | | |
| | | | | 0.0 - 106.4 FELSIC VOLCANICLASTICS, WEAKLY ALTERED, STRONGLY WEATHERED AND HIGHLY FRACTURED. | | | | |
| 0.0 | 2.0 | | | Tricone, no core recovered. | | | | |
| 2.0 | 35.7 | 32.8 | 97 | Brown-grey, bleached and weathered felsic volcanics. Strongly fractured with dark brown limonitic coatings. Original rock is a coarse volcanoclastic - with elongate felsic volcanic clasts. Narrow mafic dykes occur; these are completely weathered to softish, deep brown limonite clay-rock. Numerous crush-shatter zones consisting of soft pale grey clay, occur also. Between 17.2 and 20.7, a strongly weathered, dark brown, limonitic mafic dyke. Broken and fractured metamorphic quartz veins, vuggy and leached, cut the sequence. Below 25.5, the core is slightly less fractured but still limonitic. | | | | |
| (16.0-17.2, | 0.7m recovered) | | | | | | | |
| (22.3-24.5, | 1.8m recovered) | | | | | | | |

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: TYNDALL

HOLE NUMBER: HP.9

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ULV. PRESS

| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA (ppm) | | | | | | | | | | |
|-------------|-------|----------------|-----|---|------------------|-------|-------|--------|---------|------|----|-----|-----|----|-----|
| From | To | m | % | | Sample No | From | To | Rec. % | Au (EA) | Ag | As | Cu | Pb | Zn | Bi |
| | | | | 106.4 - 113.4 HENTY FAULT. SEMI-CONSOLIDATED CLAYS AND ROCK FRAGMENTS. SERICITIC. | | | | | | | | | | | |
| 06.4 | 113.4 | 5.9 | 84 | Completed sericitised and fractured rock-producing semi-consolidated clays. Pale green-grey and structureless with a few patches of fractured rock in an unconsolidated fault pug. Between 109.3 and 109.8, the original rock appears to have been a dark grey shale unit. | | | | | | | | | | | |
| 111.1-112.6 | | 0.4m recovered | | At 112.6, both the clay matrix and the rock fragments it contains become sulphidic, predominantly fine grained pyrite. | | | | | | | | | | | |
| | | | | 113.4 - 135.5 MINERALISED VOLCANICLASTIC BRECCIAS. STRONGLY SULPHIDIC AND SERICITIC. SILICIFIED ZONES ALSO OCCUR. | | | | | | | | | | | |
| 13.4 | 116.0 | 2.6 | 100 | Medium-dark grey sheared and moderately fractured sulphidic volcanoclastics. A brecciated rock originally with textures overprinted by sericite-pyrite. This unit is only weakly silicified, and contains little carbonates. Small, silicified, pebble-sized clasts are still visible in the fine grained sulphidic-sericitic matrix. Sulphides are 5-10% by volume. | T3712 | 112.6 | 113.4 | 100 | 0.117 | 3.5 | 29 | 105 | 75 | 30 | 10 |
| | | | | | 3 | | 114.4 | " | 0.083 | 4.0 | 30 | 110 | 55 | 20 | <10 |
| | | | | | 4 | | 115.4 | " | " | " | 31 | " | " | " | 20 |
| | | | | | 5 | | 116.0 | " | 0.032 | 1.5 | 19 | 50 | 35 | " | 10 |
| | | | | | 6 | | 117.0 | " | 0.117 | 8.5 | 23 | 40 | 70 | 15 | 30 |
| 16.0 | 128.0 | 12.0 | 100 | Medium grey-pink-green foliated volcanoclastic breccias as above. Similar in original rock type, alteration and sulphide content to above, but the sericite is green rather than grey. Also, the clasts present are more abundant and are pink, thus becoming more obvious. Sulphides are fine grained and are around 5% by volume. Foliation occurs at 40° CA. This unit is only weakly fractured and is relatively unveined. Weak carbonate alteration occurs rarely. | 7 | | 118.0 | " | 0.142 | 12.5 | 33 | 65 | 140 | 20 | 20 |
| | | | | | 8 | | 119.0 | " | 0.032 | 5.5 | 18 | 30 | 60 | " | <10 |
| | | | | | 9 | | 120.0 | " | 0.050 | 7.0 | 20 | " | 65 | 15 | " |
| | | | | | T3720 | | 121.0 | " | 0.017 | 4.5 | 24 | 20 | 40 | 25 | " |
| | | | | | 1 | | 122.0 | " | 0.017 | 5.5 | 18 | " | 35 | 30 | " |
| | | | | | 2 | | 123.0 | " | 0.058 | 7.0 | 22 | 30 | 55 | 40 | " |
| | | | | | 3 | | 124.0 | " | 0.032 | 7.0 | 23 | 20 | 35 | 25 | 10 |
| | | | | | 4 | | 125.0 | " | 0.017 | 2.0 | " | " | 20 | " | <10 |
| | | | | | 5 | | 126.0 | " | 0.025 | 2.5 | 17 | " | 5 | 30 | " |
| | | | | At 126.3, the core becomes strongly sericitic over the 0.7m to 127.0. At 127.0, the last 1.0m of this unit is intensely fractured and sericitic. | T3726 | 126.0 | 127.0 | " | 0.017 | 1.5 | 8 | 25 | 10 | " | " |

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE LOG AND ASSAY DATA

PROJECT: TYNDALL

HOLE NUMBER: HP.9

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ULV. PRESS

| INTERVAL | | RECOVERY | | DESCRIPTION | ASSAY DATA (ppm) | | | | | | | | | | |
|----------|-------|----------|-----|---|------------------|-------|-------|--------|--------|-------|-----|------|-------|-------|-----|
| From | To | m | % | | Sample No. | From | To | Rec. % | Au(FA) | Ag | As | Cu | Pb | Zn | Bi |
| 128.0 | 130.0 | 2.0 | 100 | A sharp contact occurs with the above unit, into a strongly silicified breccia. White-grey in colour, this sequence consists of a silica-flooded breccia with wispy stringers of sulphides commonly developed as interstitial fillings. Base metal sulphides are particularly conspicuous, especially galena. The overall sulphide content is 5%, all base metal sulphides. The core is unfractured and weakly veined. | T3727 | 127.0 | 128.0 | 100 | 0.483 | 8.0 | 19 | 70 | 270 | 40 | 20 |
| | | | | | 8 | | 129.0 | * | 32.67* | 101.0 | 34 | 3250 | 0.94% | 400 | 450 |
| | | | | | 9 | | 130.0 | " | 18.83* | 90.0 | 30 | 2925 | 1.04% | 350 | 310 |
| | | | | | T3730 | | 131.0 | " | 1.330 | 12.0 | 32 | 355 | 525 | 90 | 40 |
| | | | | | 1 | | 132.0 | " | 0.367 | 11.0 | 45 | 1750 | 0.65% | 0.87% | 20 |
| | | | | | 2 | | 133.0 | " | 0.267 | 9.5 | 55 | 605 | 800 | 385 | <10 |
| 130.0 | 135.5 | 5.5 | 100 | Another sharp contact into strongly sheared, sulphidic volcaniclastic breccias. Sulphides are strongly developed in this unit, at 15-20% by volume. The rock is medium grey, with abundant silicified clasts clearly visible in a fine grained sericitic-sulphidic matrix. The unit is strongly fractured in several zones and is foliated at 42° CA. Veining is poorly developed and base metal sulphides, particularly chalcopyrite are present. Several 10-15 cm thick zones of strong base metal sulphide development occur at 131.7 and 135.0. | 3 | | 134.0 | " | 0.167 | 7.5 | 37 | 120 | 610 | 805 | * |
| | | | | | T3734 | | 135.0 | " | 0.333 | 14.0 | 260 | 3025 | 1.32% | 2.70% | 10 |
| | | | | | T3736 | | 135.5 | " | 0.233 | 19.0 | 160 | 2875 | 0.75% | 0.62% | 50 |
| | | | | | T3738 | | 136.5 | 90 | 0.017 | 3.0 | 12 | 255 | 170 | 160 | <10 |
| | | | | | 9 | | 137.5 | " | 40.008 | 2.0 | 9 | 25 | 10 | 35 | 20 |
| | | | | | T3740 | 137.5 | 138.5 | " | * | 1.0 | 6 | 115 | 35 | 65 | <10 |
| | | | | 135.5 - 190.0 VOLCANICLASTIC BRECCIAS WITH MINOR LAVAS AND PYROCLASTICS. WEAKLY ALTERED. | | | | | | | | | | | |
| 135.5 | 138.4 | 2.6 | 90 | Intensely silicified volcaniclastic breccia. Very weakly sulphidic <0.1% by volume, with the silica flooding obscuring most of the primary textures. The rock is pale green-pink in colour. Small quartz veinlets overprint this sequence, which is structureless and weakly fractured. | | | | | | | | | | | |
| 138.4 | 156.0 | 17.6 | 100 | Weakly silicified and foliated volcaniclastic. Poddy, pink felsic clasts, elongated to the prevailing foliation, in a fine grained sericitic-chloritic-siliceous matrix. Overall, weakly sericitic and sulphides are rare (<0.1%). Very weakly fractured. | | | | | | | | | | | |

* FA. with a geometric finish

00101

